

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062633.D
 Acq On : 6 Jun 2019 19:36
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

Quant Time: Jun 07 05:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 05:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	744275	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1045599	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	854729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	474985	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	474202	44.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.96%	
35) Dibromofluoromethane	6.92	113	494693	45.09	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.18%	
50) Toluene-d8	10.41	98	1013291	42.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	84.78%	
62) 4-Bromofluorobenzene	13.56	95	454874	41.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	377230	39.371	ug/l	100
3) Chloromethane	1.74	50	313571	43.046	ug/l	97
4) Vinyl Chloride	1.84	62	323635	44.226	ug/l	97
5) Bromomethane	2.15	94	186398	49.337	ug/l	98
6) Chloroethane	2.27	64	179426	49.258	ug/l	99
7) Trichlorofluoromethane	2.52	101	768167	46.122	ug/l	96
8) Diethyl Ether	2.87	74	104359	48.578	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	421135	46.836	ug/l	91
10) Methyl Iodide	3.30	142	581737	52.983	ug/l	98
11) Tert butyl alcohol	4.08	59	104583	239.215	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	295081	45.796	ug/l	96
13) Acrolein	3.03	56	35494	232.336	ug/l	90
14) Allyl chloride	3.62	41	488542	49.447	ug/l	98
15) Acrylonitrile	4.20	53	252649	257.949	ug/l	98
16) Acetone	3.22	43	480018	247.569	ug/l	96
17) Carbon Disulfide	3.37	76	947932	50.934	ug/l	99
18) Methyl Acetate	3.64	43	139356	51.669	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	796842	50.543	ug/l	98
20) Methylene Chloride	3.81	84	329456	48.679	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	331623	48.023	ug/l	91
22) Diisopropyl ether	5.12	45	1080649	52.312	ug/l #	95
23) Vinyl Acetate	5.05	43	3499808	273.408	ug/l	100
24) 1,1-Dichloroethane	4.98	63	655446	50.225	ug/l	98
25) 2-Butanone	6.08	43	484658	273.877	ug/l	95
26) 2,2-Dichloropropane	6.02	77	684471	46.456	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	367193	50.838	ug/l	97
28) Bromochloromethane	6.43	49	280588	54.866	ug/l #	99
29) Tetrahydrofuran	6.46	42	220540	267.872	ug/l	96
30) Chloroform	6.66	83	826223	49.439	ug/l	99
31) Cyclohexane	6.95	56	461609	56.025	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	820016	46.201	ug/l	97
36) 1,1-Dichloropropene	7.15	75	544482	47.689	ug/l	91
37) Ethyl Acetate	6.19	43	233122	50.994	ug/l	100
38) Carbon Tetrachloride	7.11	117	843831m	45.261	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	459075	48.223	ug/l	95
40) Benzene	7.46	78	1051190	47.086	ug/l	99
41) Methacrylonitrile	6.45	41	314799	51.329	ug/l	97
42) 1,2-Dichloroethane	7.58	62	646542	47.088	ug/l	99
43) Isopropyl Acetate	9.25	43	320141	49.465	ug/l #	90
44) Trichloroethene	8.54	130	419820	45.351	ug/l	94
45) 1,2-Dichloropropane	8.94	63	279177	49.610	ug/l #	89
46) Dibromomethane	9.06	93	247644	48.914	ug/l	92
47) Bromodichloromethane	9.38	83	661092	49.453	ug/l	95
48) Methyl methacrylate	9.12	41	214748	49.020	ug/l	92
49) 1,4-Dioxane	9.09	88	35370	997.575	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	1061357	235.830	ug/l	97
52) Toluene	10.52	92	713956	46.696	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	551959	49.167	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	552709	47.395	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	259260	46.056	ug/l	93
56) Ethyl methacrylate	11.05	69	285891	51.098	ug/l	94
57) 1,3-Dichloropropane	11.41	76	389652	47.622	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	669255	222.571	ug/l	98
59) 2-Hexanone	11.53	43	808243	249.794	ug/l	99
60) Dibromochloromethane	11.69	129	507192	48.100	ug/l	99
61) 1,2-Dibromoethane	11.81	107	309506	48.369	ug/l	98
64) Tetrachloroethene	11.27	164	423960	51.973	ug/l	95
65) Chlorobenzene	12.41	112	951249	52.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	424719	48.123	ug/l	96
67) Ethyl Benzene	12.53	91	1586643	48.849	ug/l	100
68) m/p-Xylenes	12.67	106	1161787	100.500	ug/l	93
69) o-Xylene	13.06	106	551503	50.817	ug/l	86
70) Styrene	13.08	104	925608	50.560	ug/l	99
71) Bromoform	13.23	173	308645	49.426	ug/l	96
73) Isopropylbenzene	13.41	105	1718109	48.905	ug/l	94
74) N-amyl acetate	13.26	43	450565	52.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	301435	51.973	ug/l #	97
76) 1,2,3-Trichloropropane	13.74	75	347376	52.463	ug/l	93
77) Bromobenzene	13.68	156	444562	46.073	ug/l	80
78) n-propylbenzene	13.78	91	1999356	49.161	ug/l	100
79) 2-Chlorotoluene	13.84	91	1083575	45.533	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1477402	48.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	86173	52.161	ug/l	93
82) 4-Chlorotoluene	13.95	91	1401075	47.505	ug/l	97
83) tert-Butylbenzene	14.19	119	1661427	49.327	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1479188	49.911	ug/l	100
85) sec-Butylbenzene	14.37	105	1658604	47.425	ug/l	99
86) p-Isopropyltoluene	14.49	119	1582074	46.849	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	797302	46.277	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	849425	51.399	ug/l	100
89) n-Butylbenzene	14.80	91	1556766	50.827	ug/l	100
90) Hexachloroethane	15.01	117	435086	50.156	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	749021	50.365	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62561	50.361	ug/l	91

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QLast Update : Fri Jun 07 05:01:52 2019
Response via : Initial Calibration

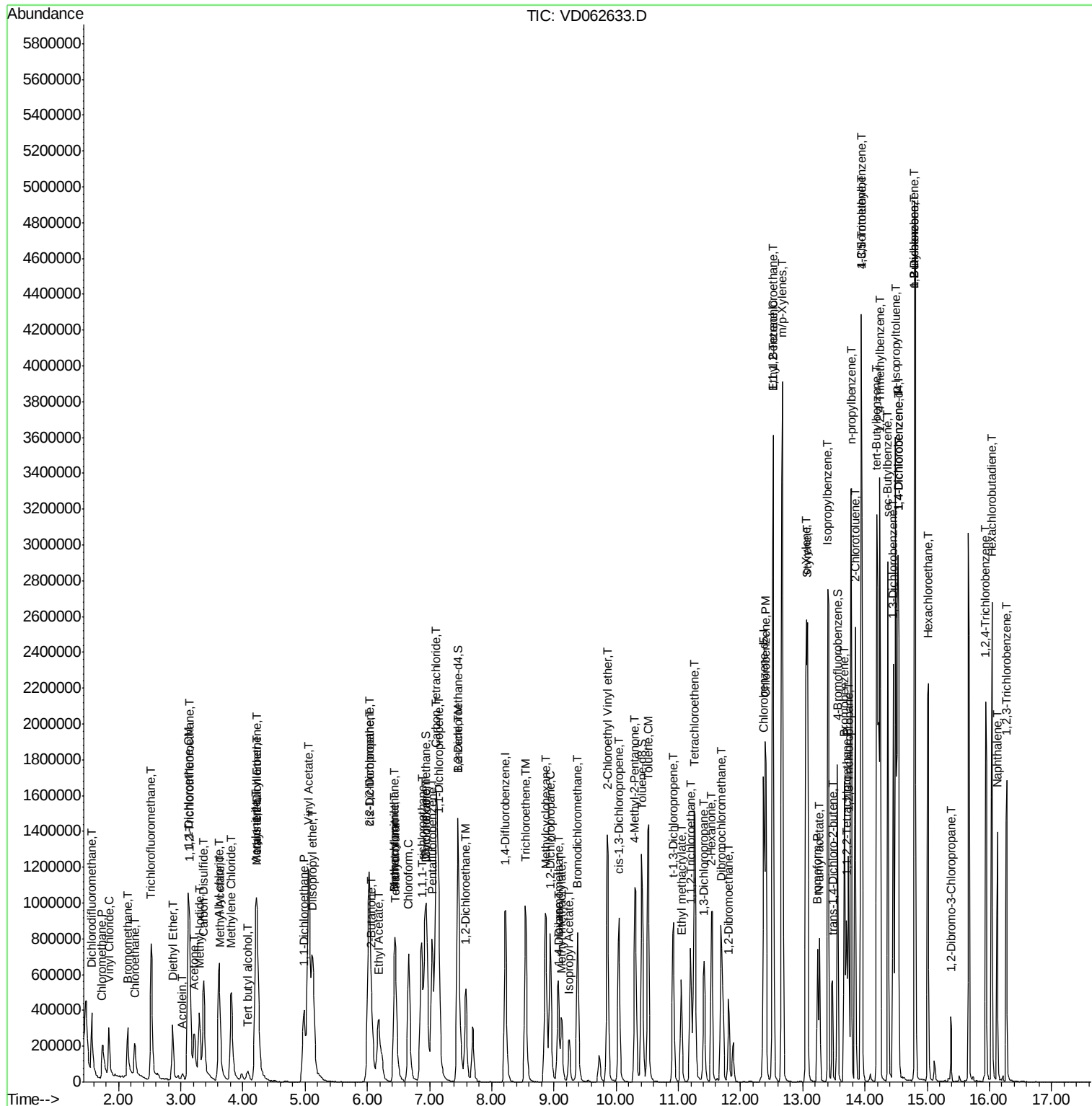
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	558846	49.156	ug/l	94
94) Hexachlorobutadiene	16.04	225	428209	49.400	ug/l	97
95) Naphthalene	16.13	128	803705	52.177	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	440727	50.718	ug/l	99

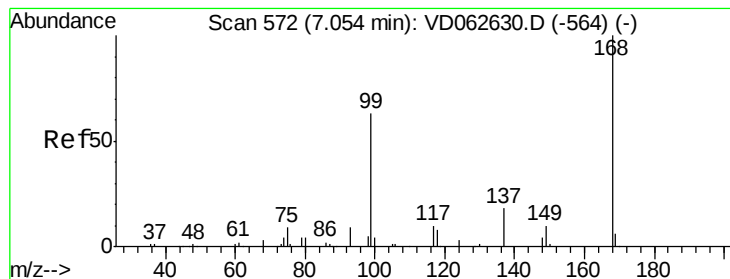
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060619\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

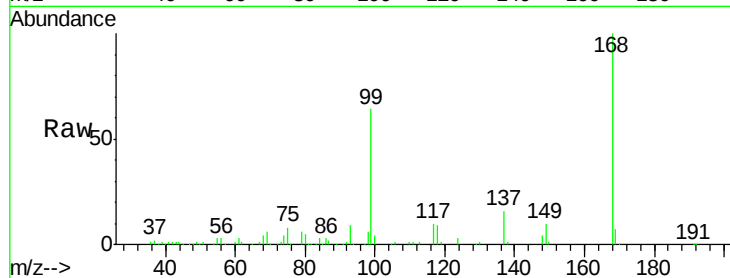
ICVVD060619

Tot Ion:168 Resp: 744275

Ion Ratio Lower Upper

168 100

99 63.9 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

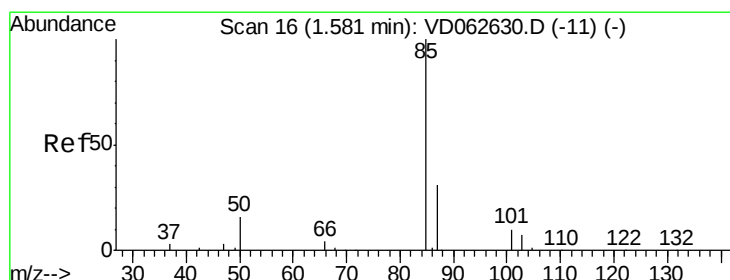
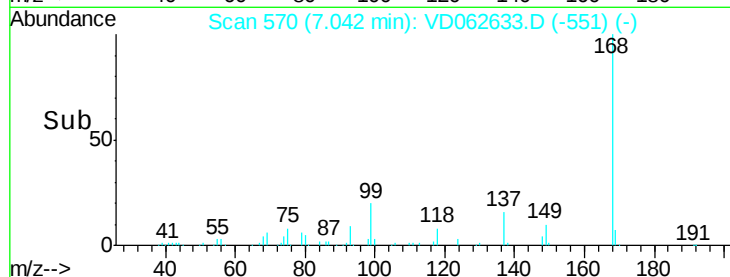
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 39.371 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062633.D

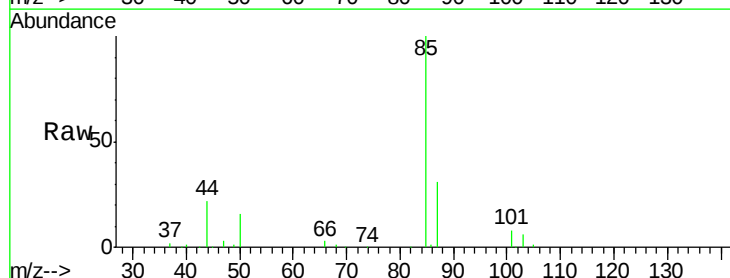
Acq: 6 Jun 2019 19:36

Tgt Ion: 85 Resp: 377230

Ion Ratio Lower Upper

85 100

87 30.8 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

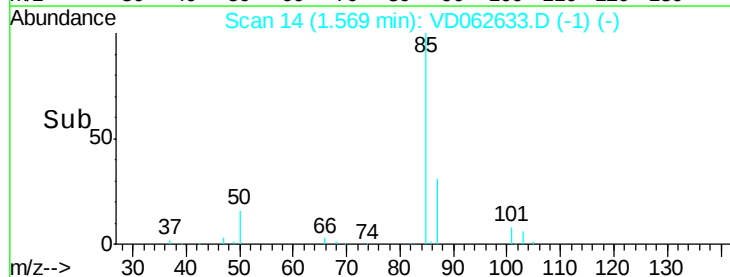
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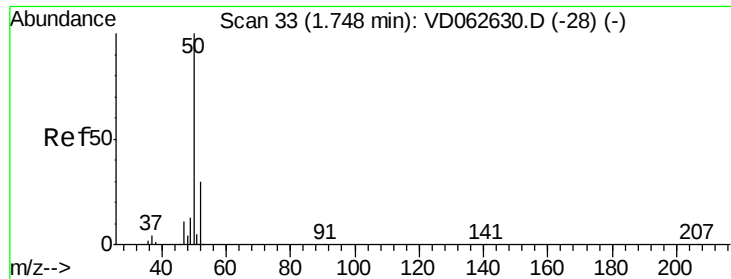
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 43.046 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

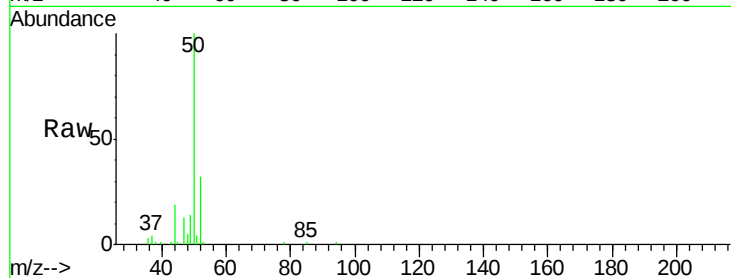
ICVVD060619

Tot Ion: 50 Resp: 313571

Ion Ratio Lower Upper

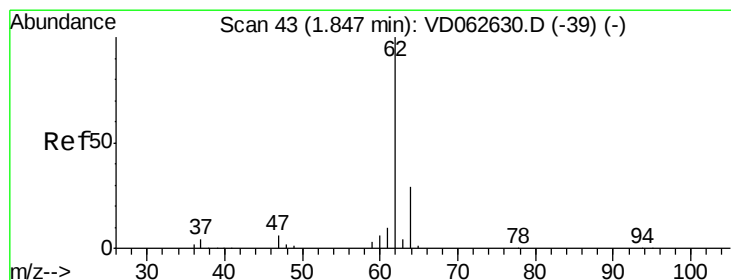
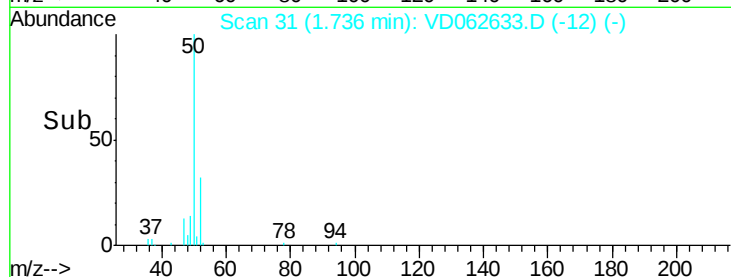
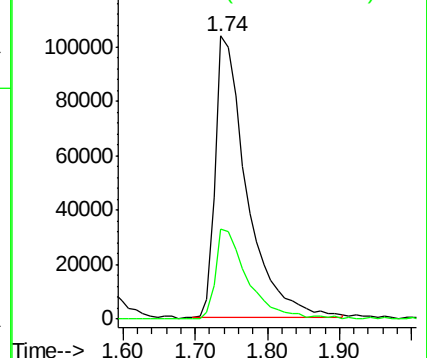
50 100

52 31.7 24.2 36.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.226 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062633.D

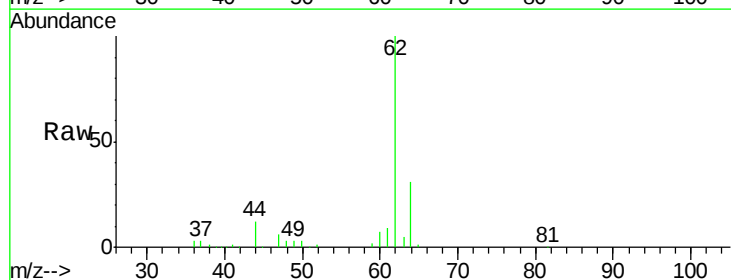
Acq: 6 Jun 2019 19:36

Tgt Ion: 62 Resp: 323635

Ion Ratio Lower Upper

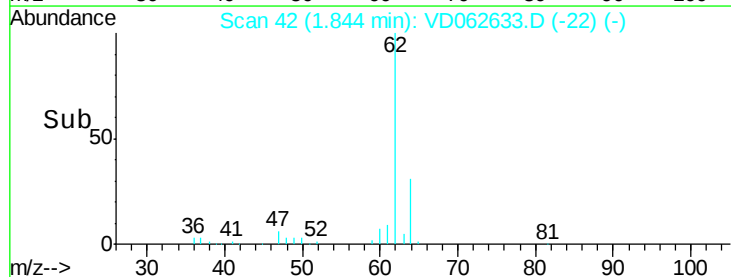
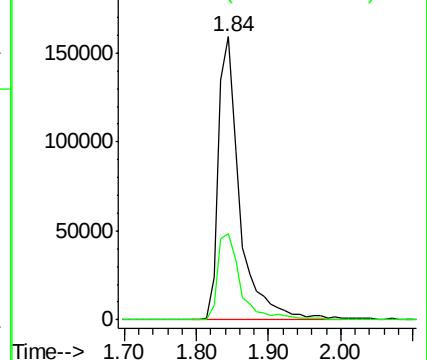
62 100

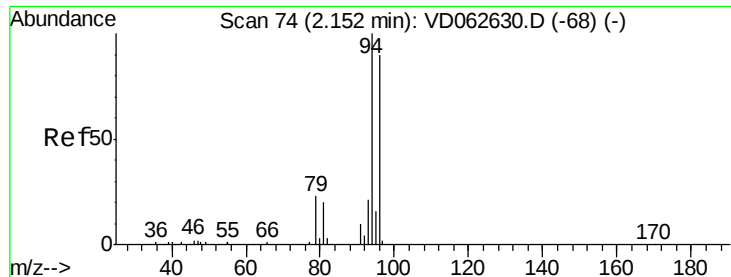
64 30.5 23.3 34.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.337 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

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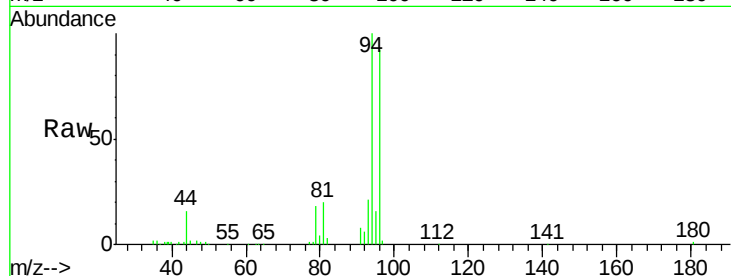
Tot Ion: 94 Resp: 186398

Ion Ratio Lower Upper

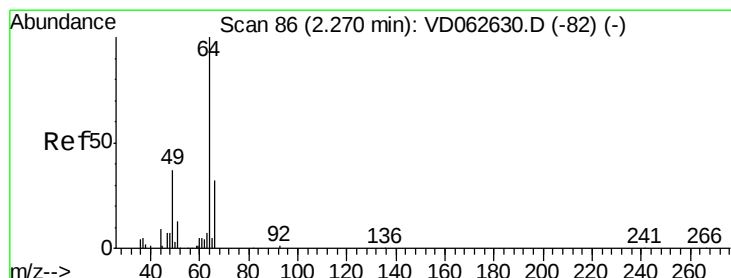
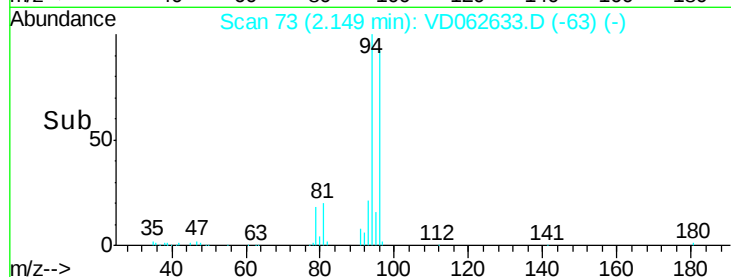
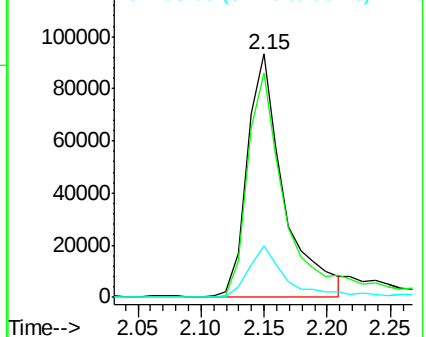
94 100

96 92.2 72.2 108.4

93 21.2 17.0 25.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.258 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062633.D

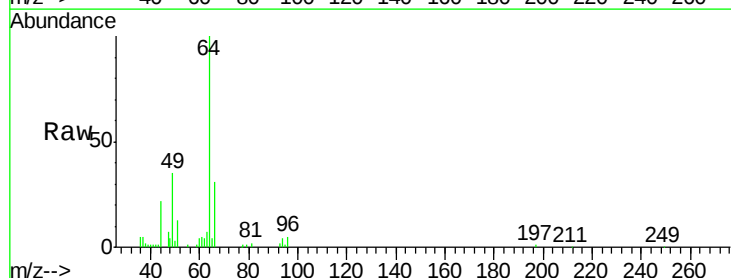
Acq: 6 Jun 2019 19:36

Tgt Ion: 64 Resp: 179426

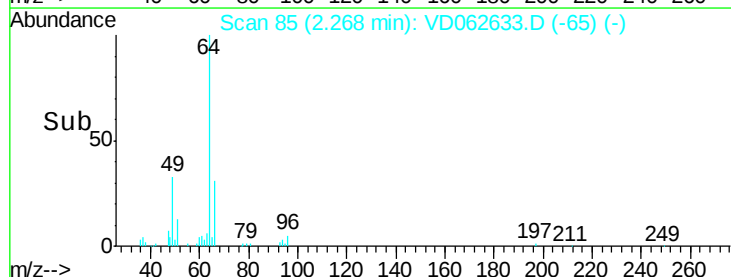
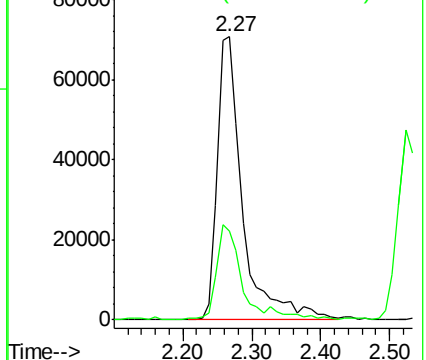
Ion Ratio Lower Upper

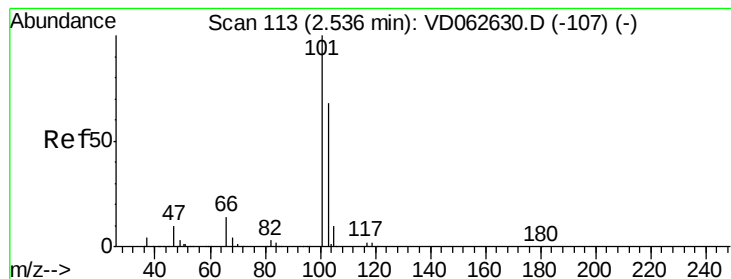
64 100

66 31.3 25.5 38.3



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



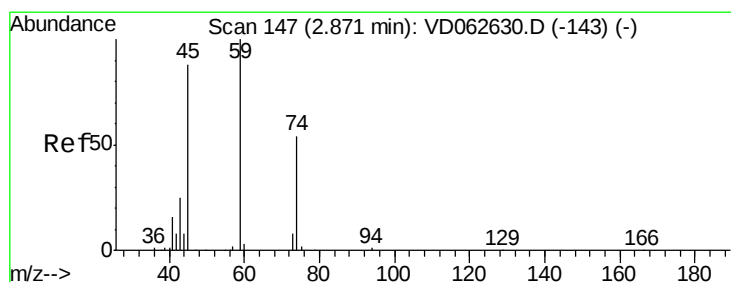
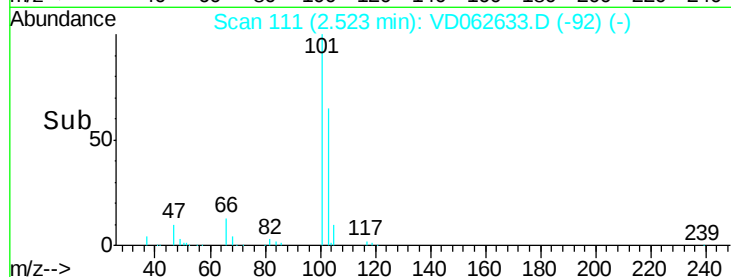
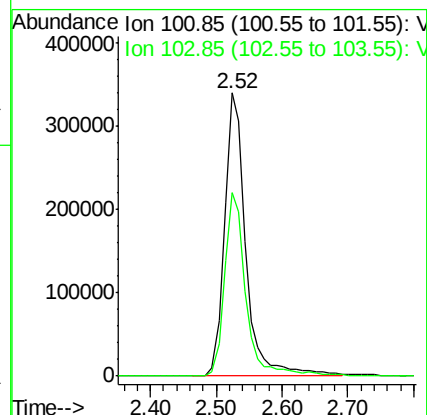
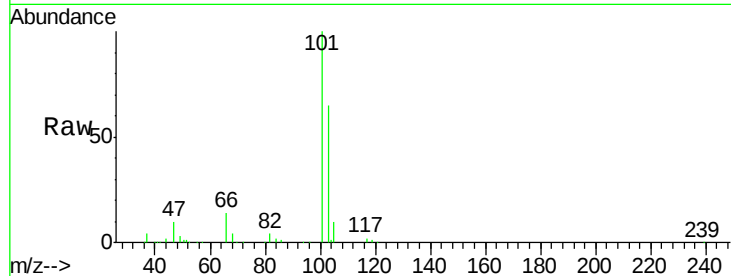


#7

Trichlorofluoromethane
Concen: 46.122 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062633.D
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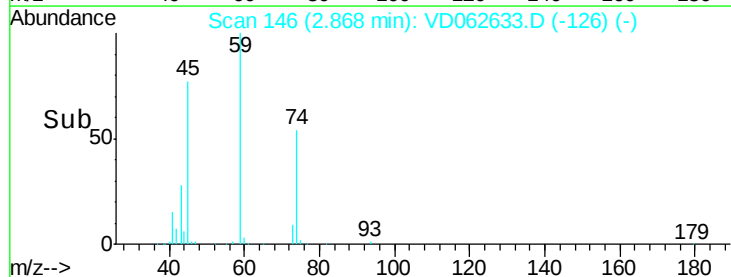
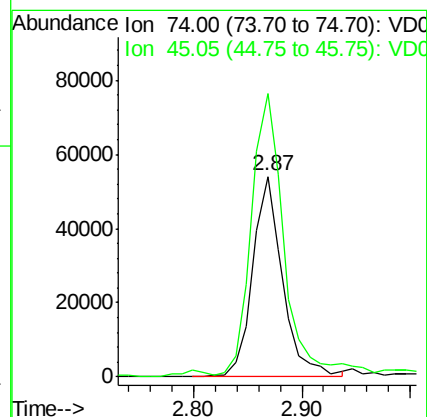
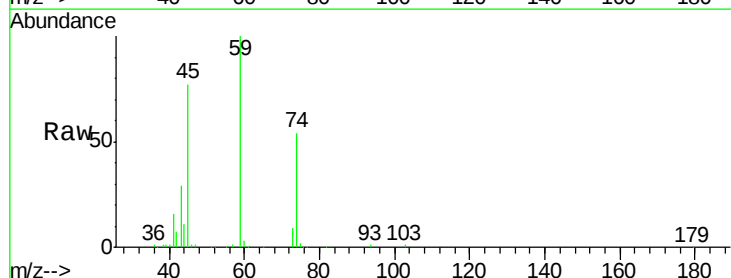
Tot Ion:101 Resp: 768167
Ion Ratio Lower Upper
101 100
103 64.9 54.6 81.8

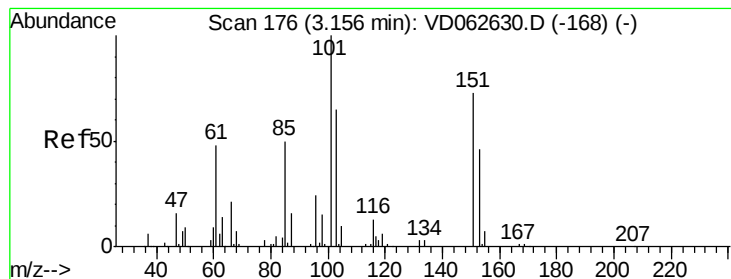


#8

Diethyl Ether
Concen: 48.578 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 74 Resp: 104359
Ion Ratio Lower Upper
74 100
45 141.0 82.5 247.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.836 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

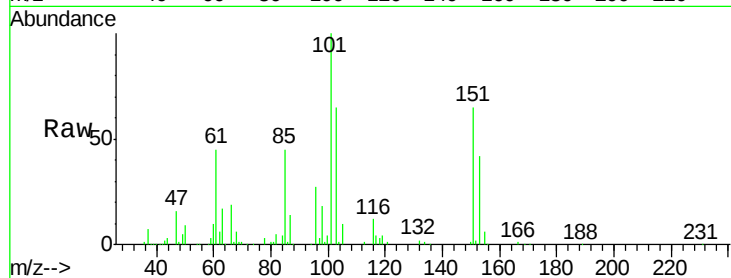
Tot Ion:101 Resp: 421135

Ion Ratio Lower Upper

101 100

85 44.5 39.8 59.6

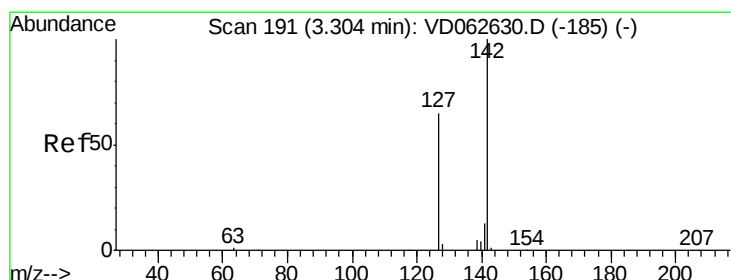
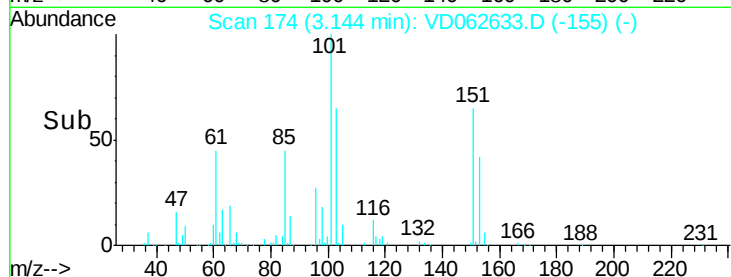
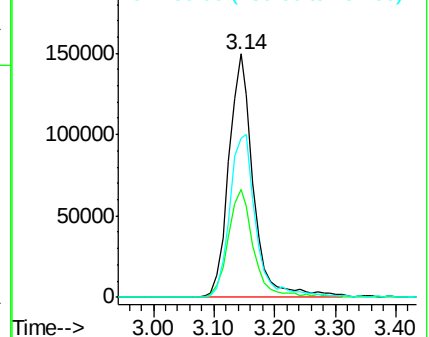
151 65.2 58.4 87.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.983 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

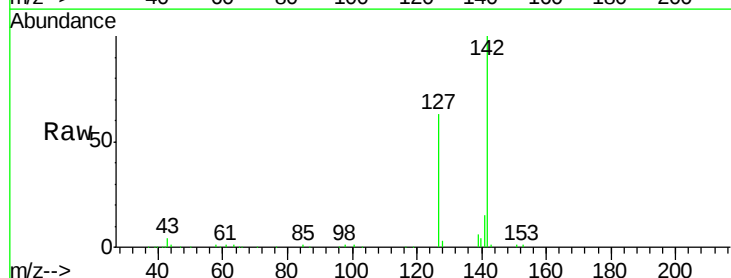
Tgt Ion:142 Resp: 581737

Ion Ratio Lower Upper

142 100

127 63.5 52.1 78.1

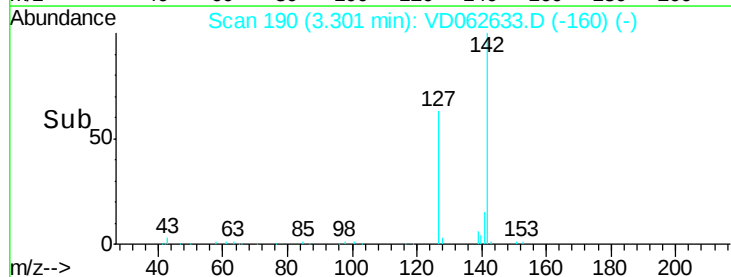
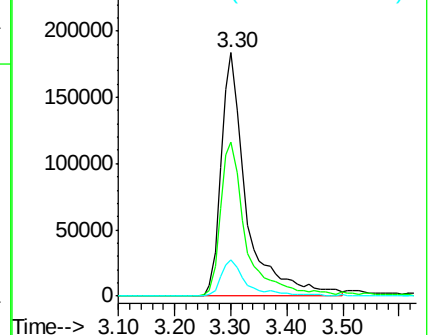
141 14.7 10.3 15.5

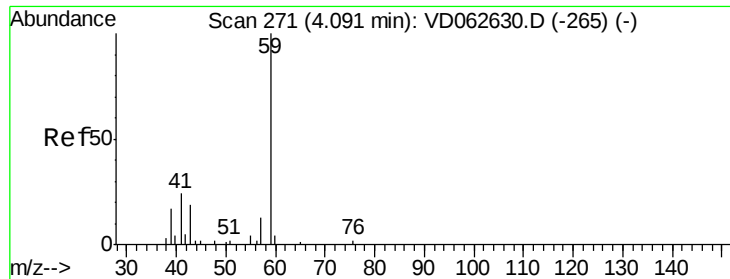


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



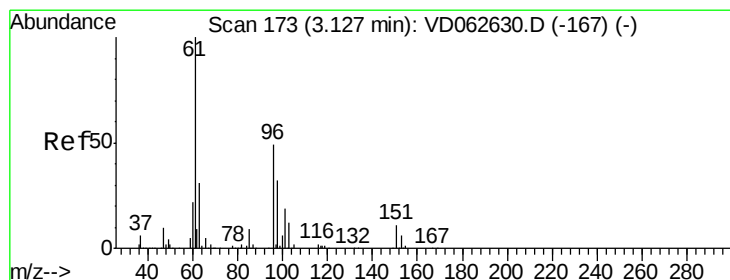
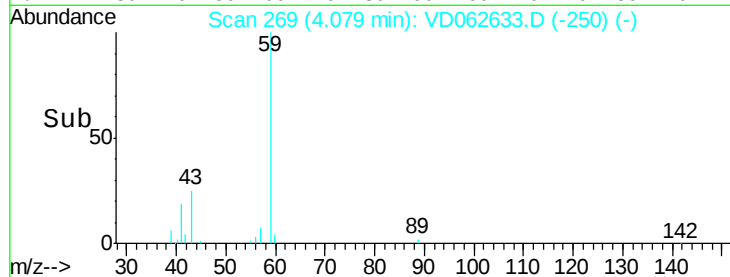
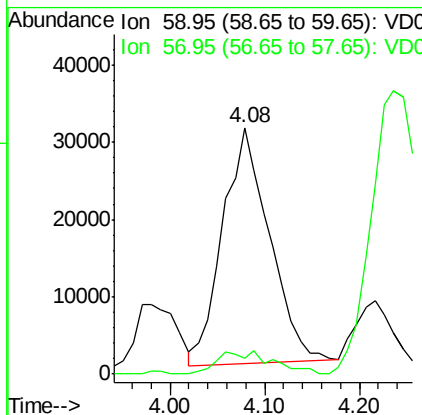
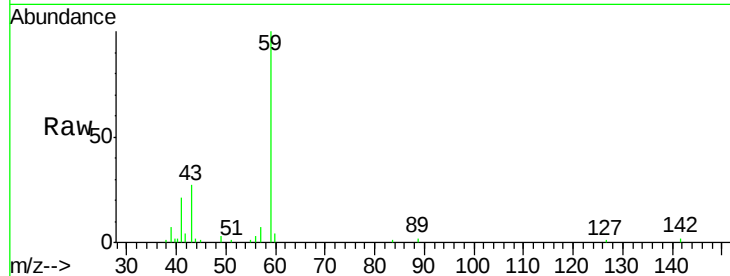


#11

Tert butyl alcohol
 Concen: 239.215 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

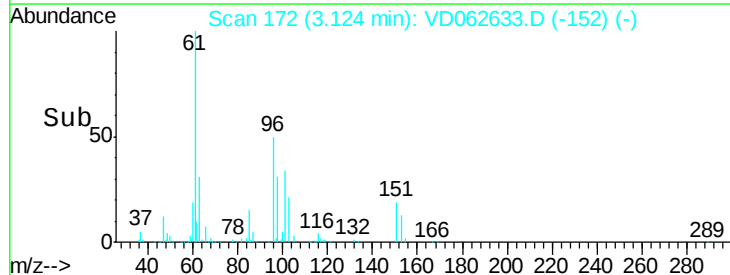
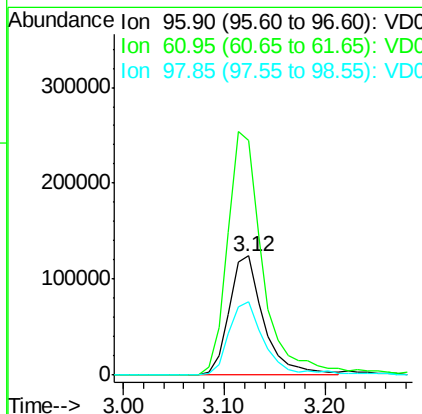
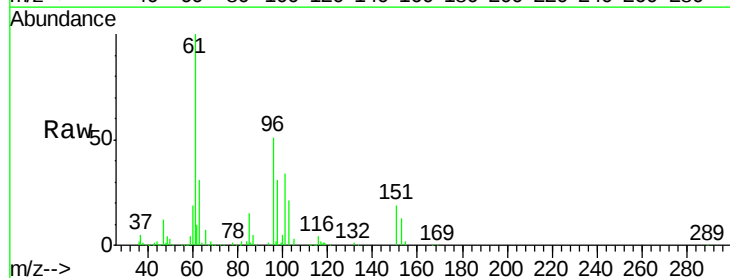
Tot Ion: 59 Resp: 104583
 Ion Ratio Lower Upper
 59 100
 57 6.6 9.2 13.8#

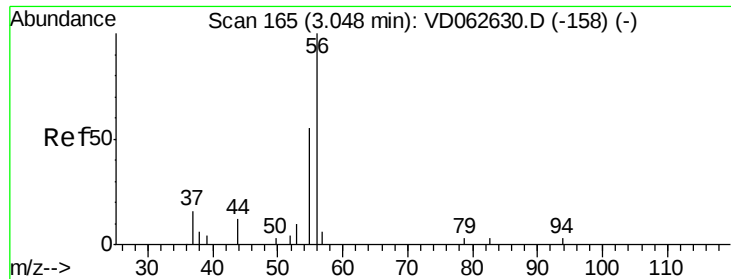


#12

1,1-Dichloroethene
 Concen: 45.796 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 96 Resp: 295081
 Ion Ratio Lower Upper
 96 100
 61 197.5 163.6 245.4
 98 62.1 52.5 78.7





#13

Acrolein

Concen: 232.336 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

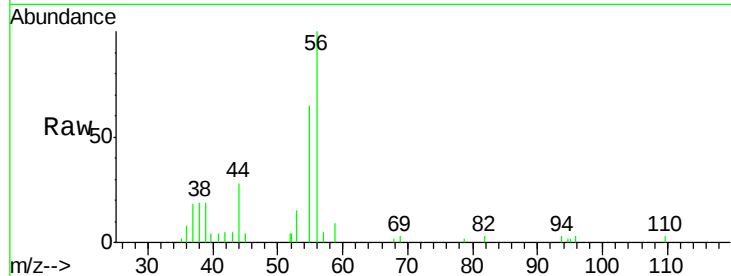
ICVVD060619

Tot Ion: 56 Resp: 35494

Ion Ratio Lower Upper

56 100

55 65.1 46.3 69.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

15000

10000

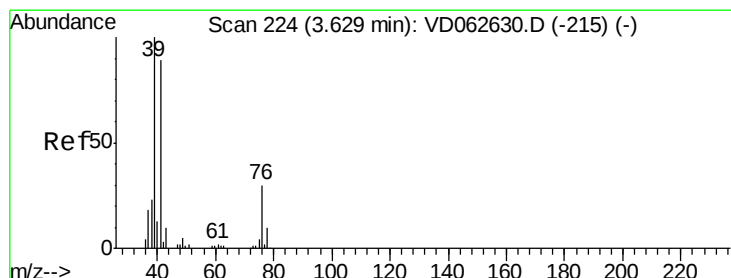
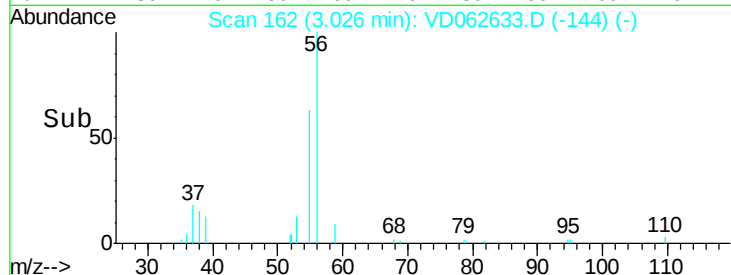
5000

0

Time-->

3.00

3.10



#14

Allyl chloride

Concen: 49.447 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

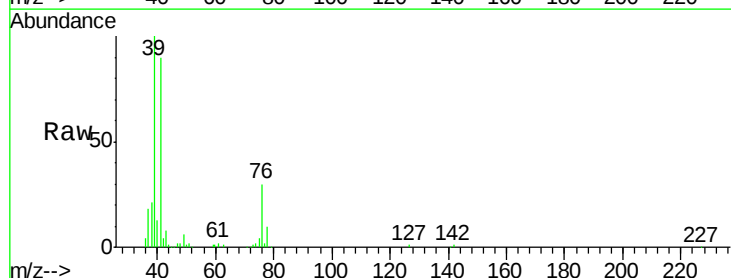
Tgt Ion: 41 Resp: 488542

Ion Ratio Lower Upper

41 100

39 111.0 90.1 135.1

76 33.3 28.9 43.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

50000

0

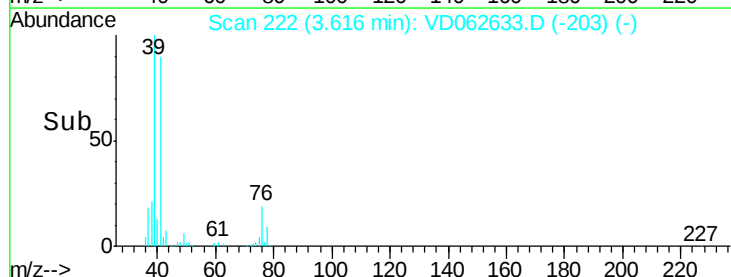
Time-->

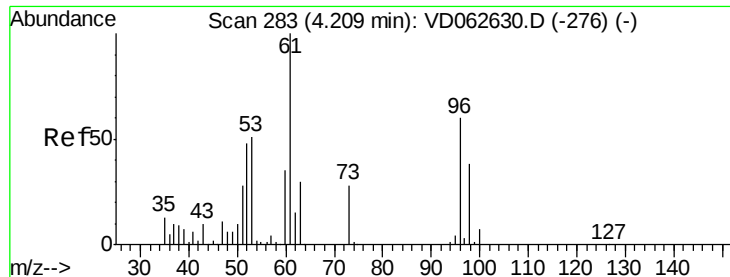
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 257.949 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

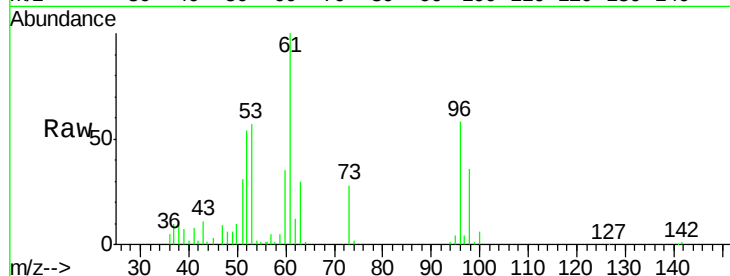
Tot Ion: 53 Resp: 252649

Ion Ratio Lower Upper

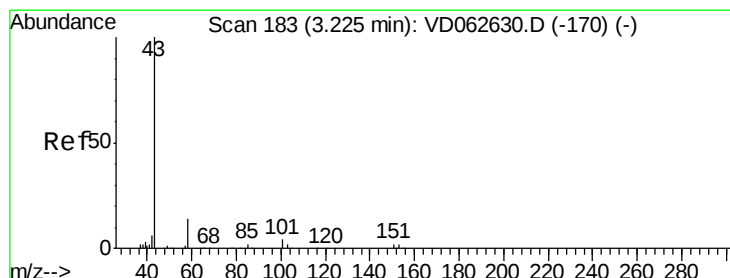
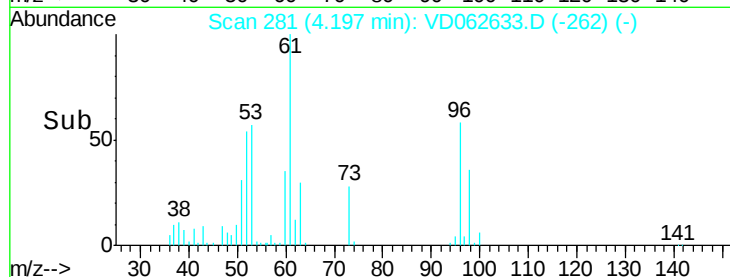
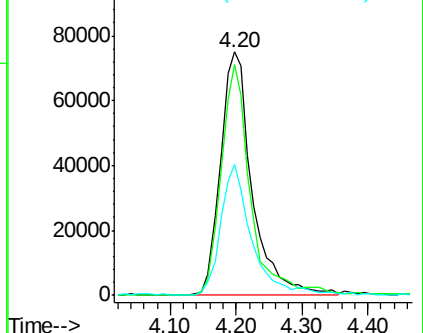
53 100

52 95.0 74.8 112.2

51 53.8 43.9 65.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 247.569 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062633.D

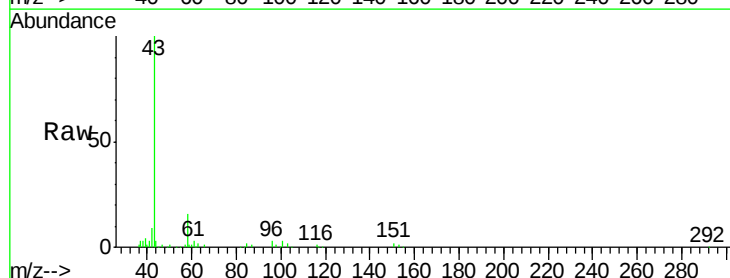
Acq: 6 Jun 2019 19:36

Tgt Ion: 43 Resp: 480018

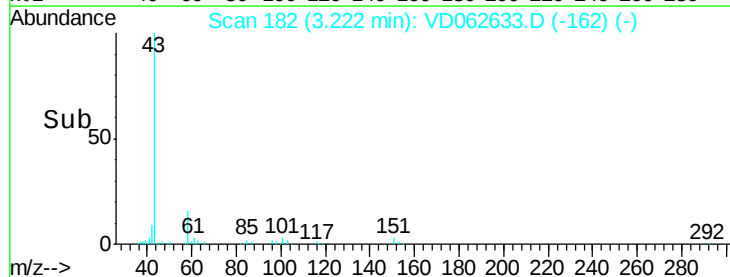
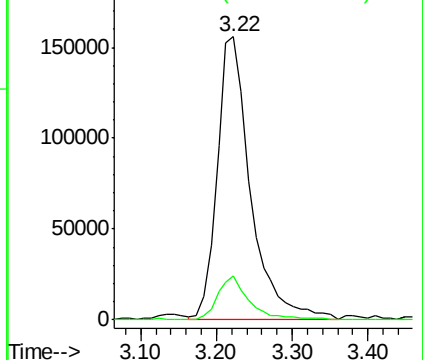
Ion Ratio Lower Upper

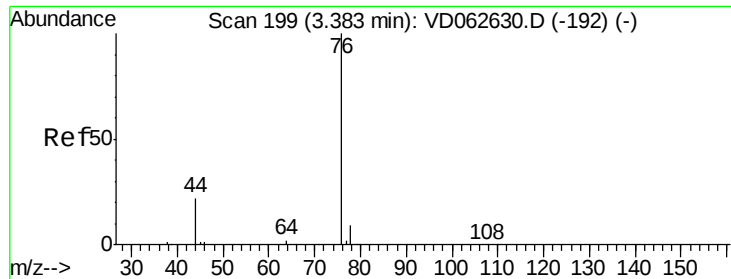
43 100

58 15.6 11.3 16.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

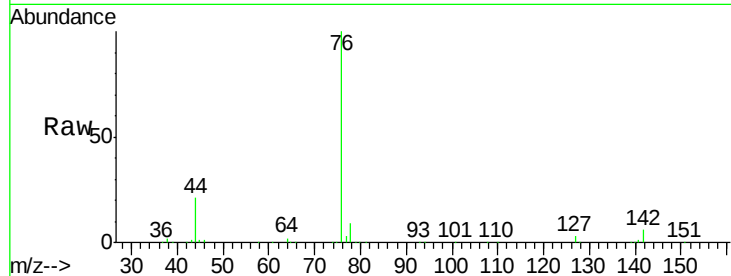




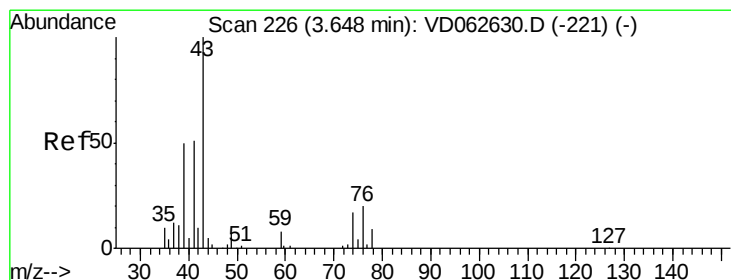
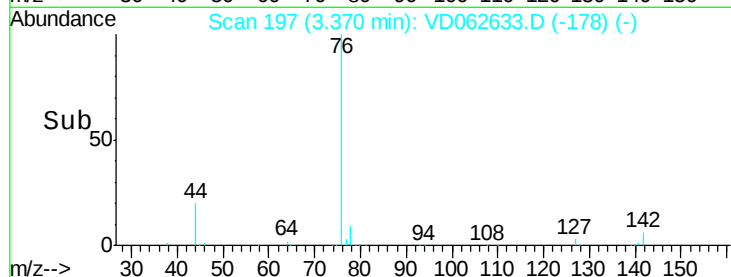
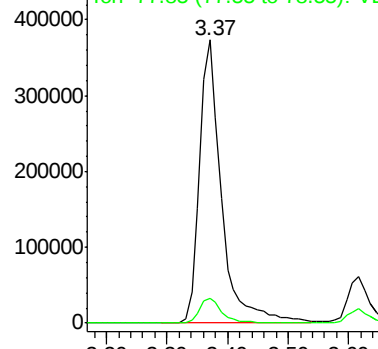
#17
Carbon Disulfide
Concen: 50.934 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

Tot Ion: 76 Resp: 947932
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

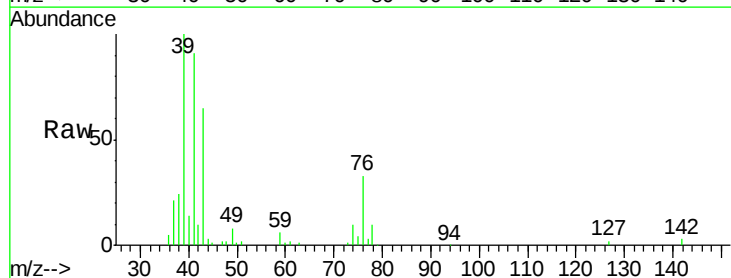


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

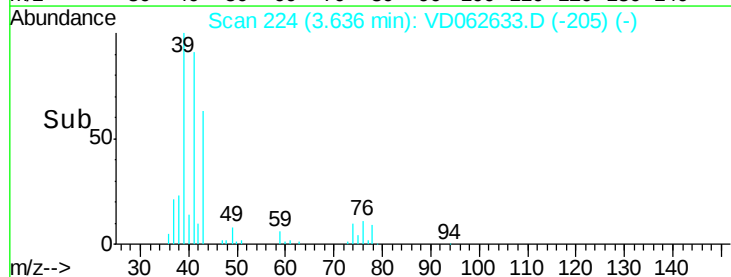
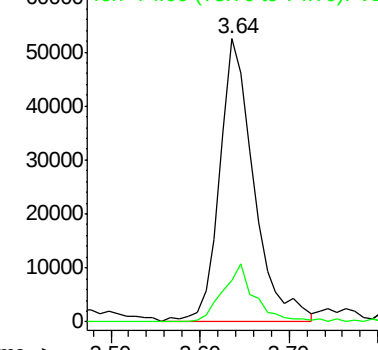


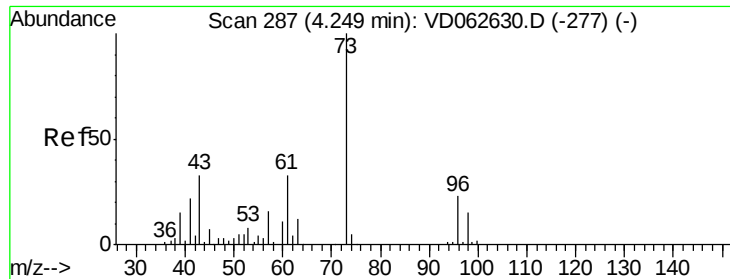
#18
Methyl Acetate
Concen: 51.669 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 43 Resp: 139356
Ion Ratio Lower Upper
43 100
74 14.8 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

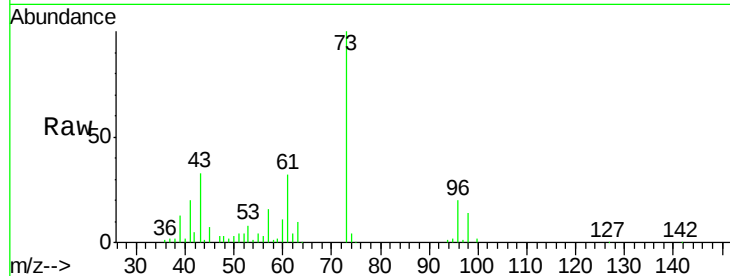




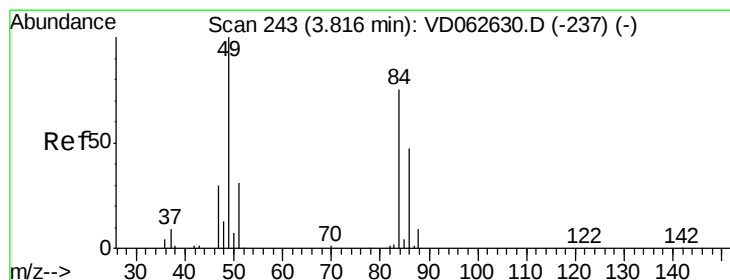
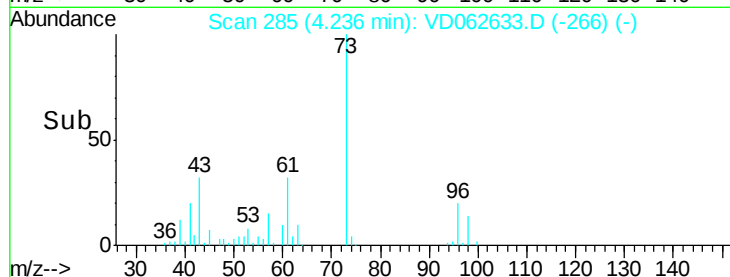
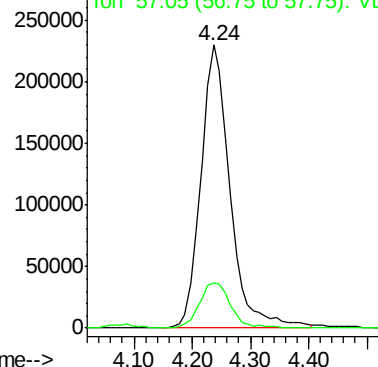
#19
Methyl tert-butyl Ether
Concen: 50.543 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

Tot Ion: 73 Resp: 796842
Ion Ratio Lower Upper
73 100
57 15.9 13.4 20.0

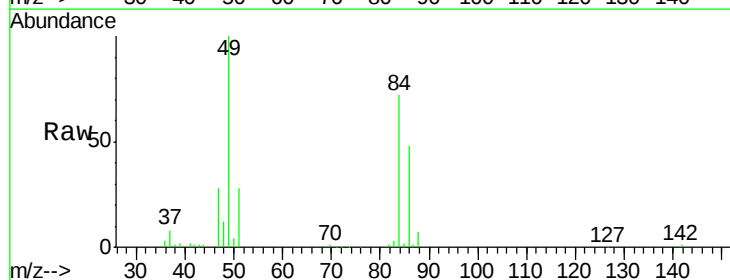


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

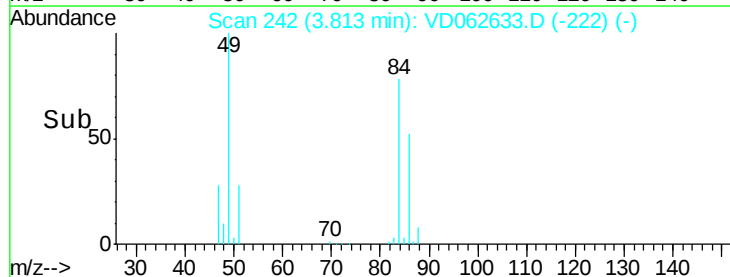
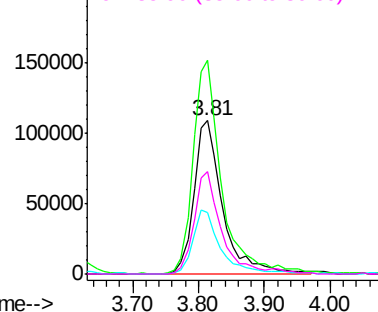


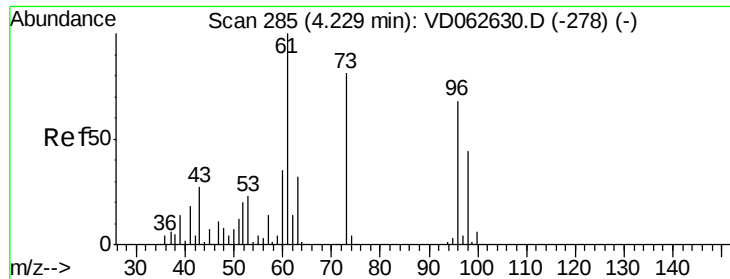
#20
Methylene Chloride
Concen: 48.679 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 84 Resp: 329456
Ion Ratio Lower Upper
84 100
49 139.3 107.1 160.7
51 39.7 33.5 50.3
86 66.4 50.2 75.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 48.023 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

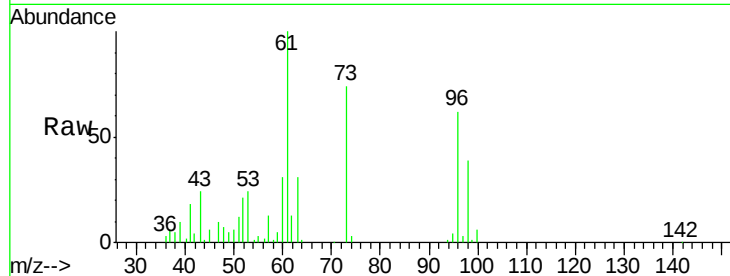
Tot Ion: 96 Resp: 331623

Ion Ratio Lower Upper

96 100

61 161.6 118.0 177.0

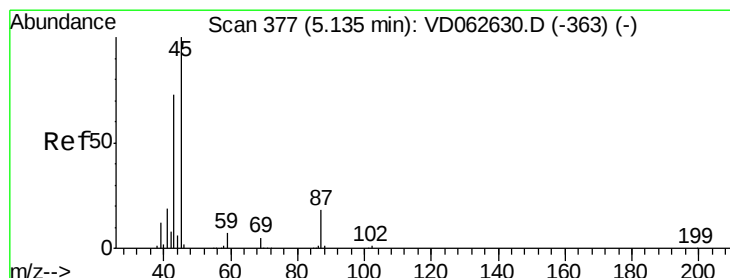
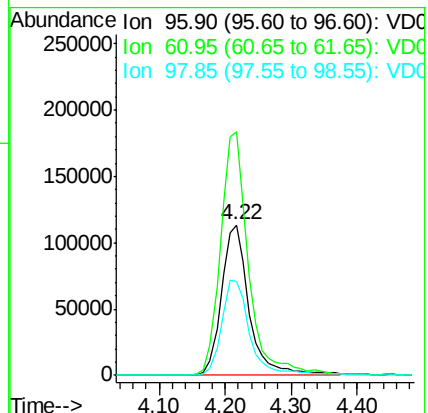
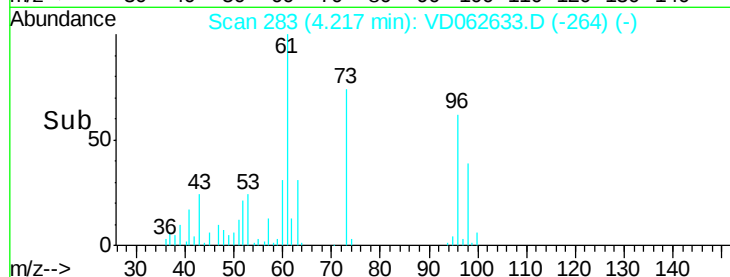
98 62.7 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.312 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Tgt Ion: 45 Resp: 1080649

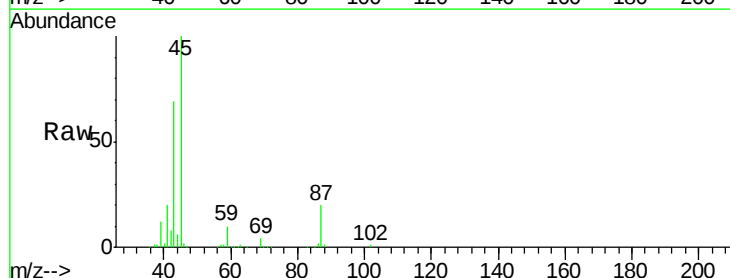
Ion Ratio Lower Upper

45 100

43 68.7 58.7 88.1

87 20.3 14.6 21.8

59 9.8 6.4 9.6#

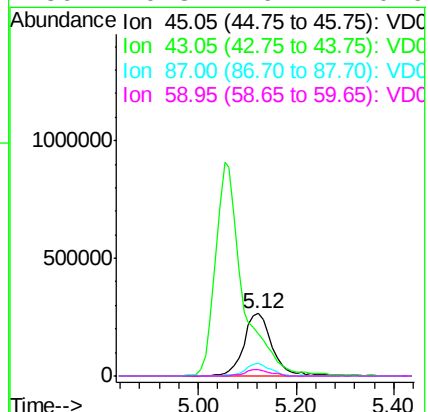
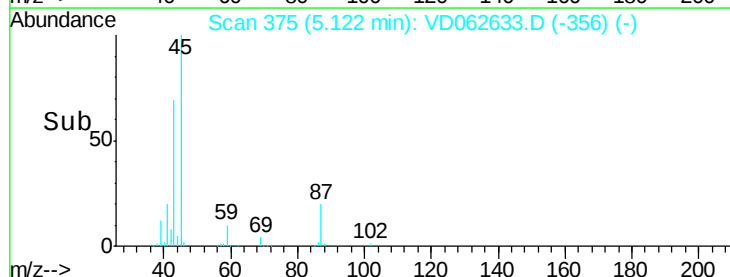


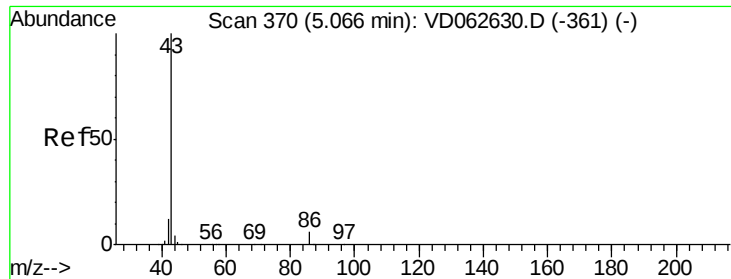
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

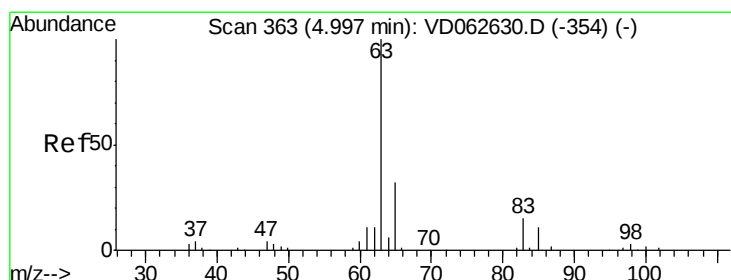
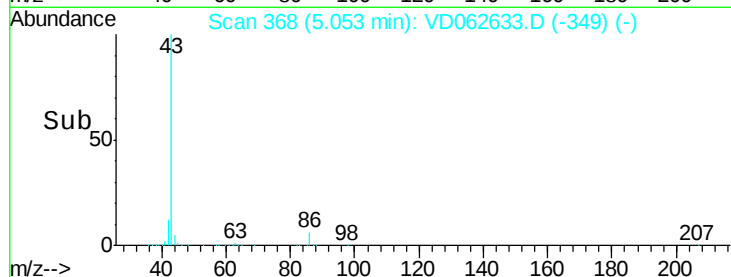
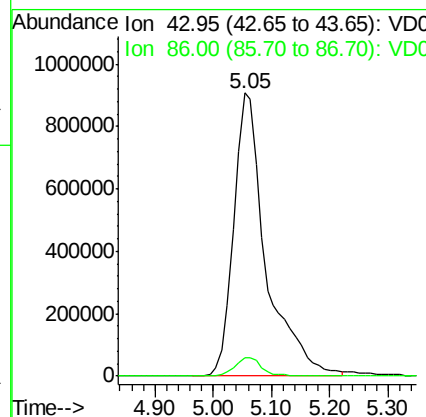
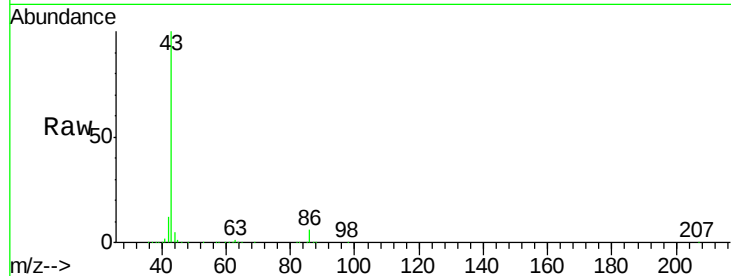




#23
 Vinyl Acetate
 Concen: 273.408 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

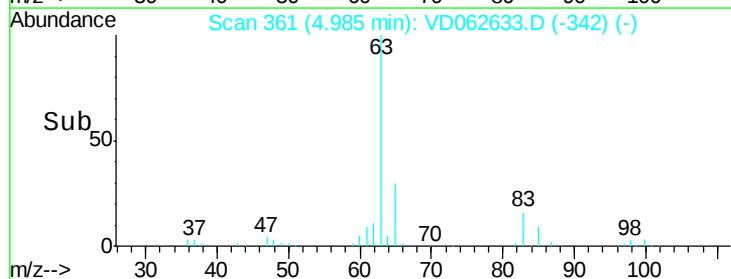
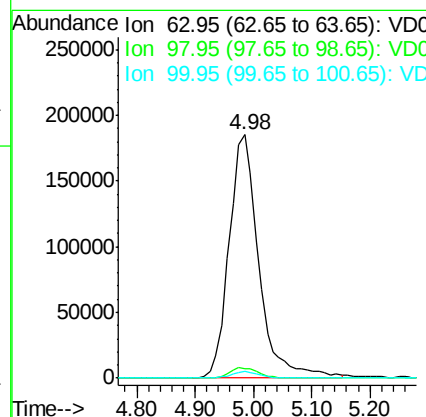
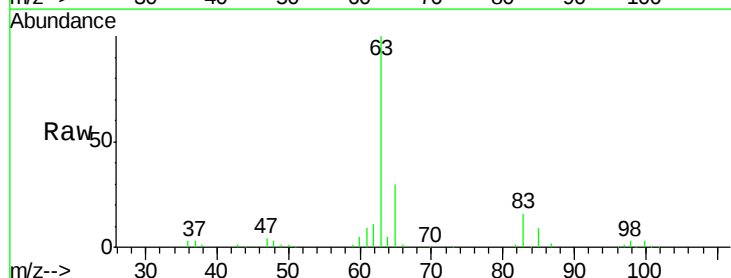
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

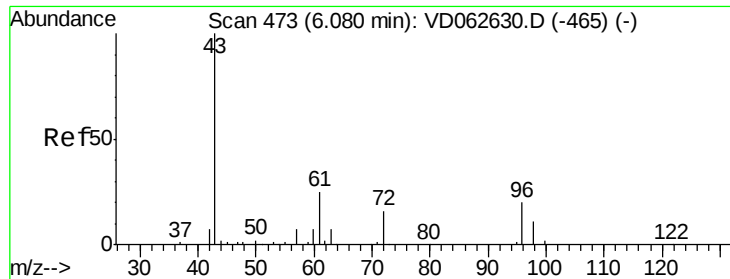
Tot Ion: 43 Resp: 3499808
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 50.225 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 63 Resp: 655446
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.7 5.1
 100 3.0 1.0 3.0





#25

2-Butanone

Concen: 273.877 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

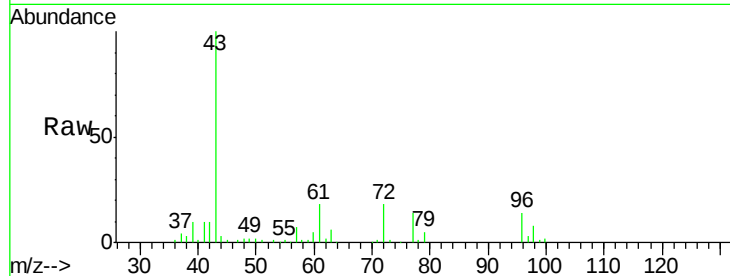
ICVVD060619

Tot Ion: 43 Resp: 484658

Ion Ratio Lower Upper

43 100

72 18.2 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

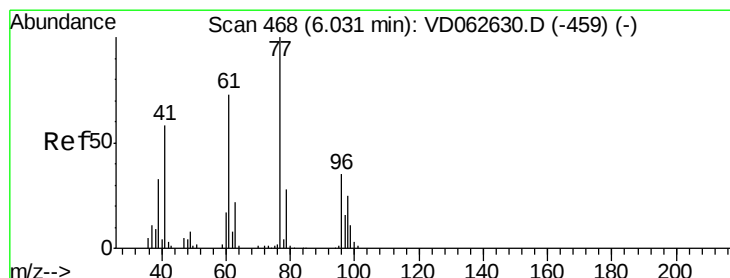
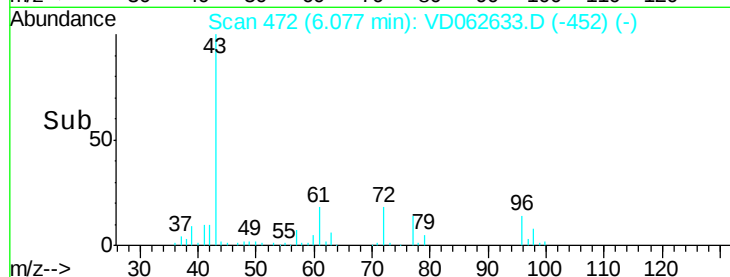
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 46.456 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062633.D

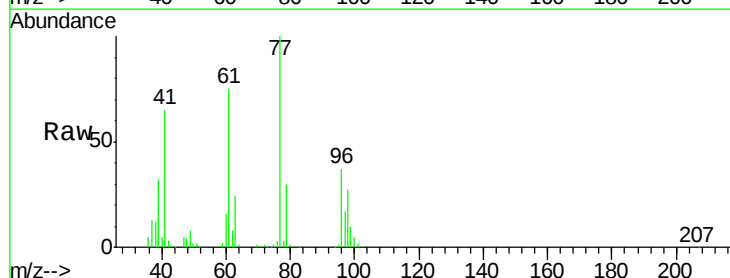
Acq: 6 Jun 2019 19:36

Tgt Ion: 77 Resp: 684471

Ion Ratio Lower Upper

77 100

97 17.0 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

200000

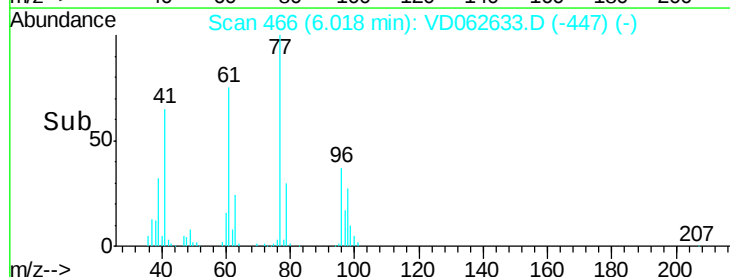
150000

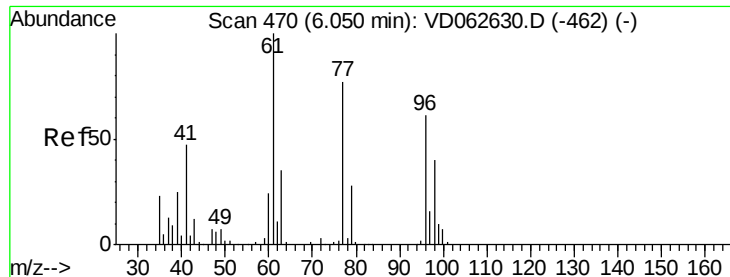
100000

50000

0

Time--> 5.90 6.00 6.10 6.20



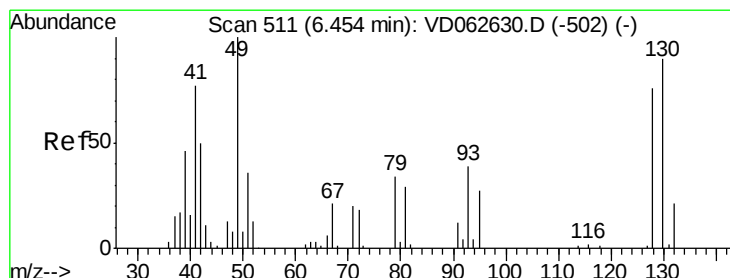
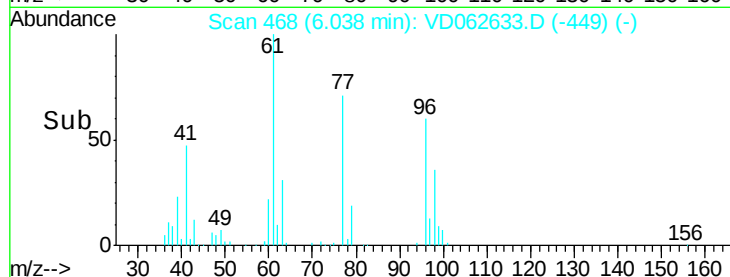
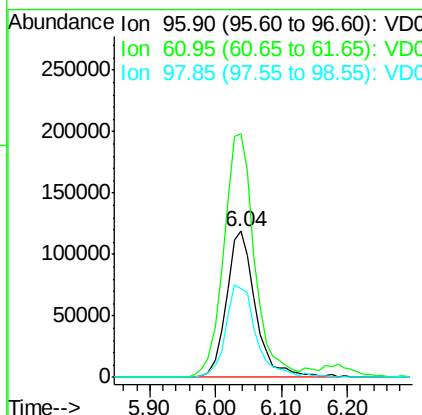
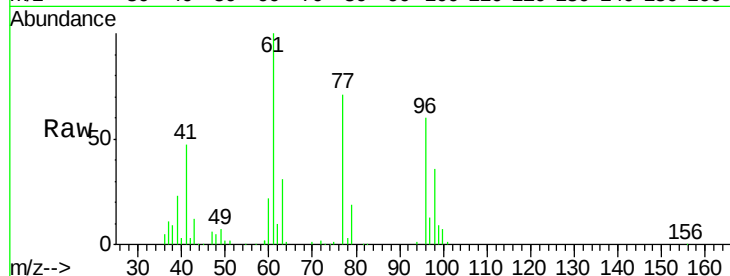


#27

cis-1,2-Dichloroethene
Concen: 50.838 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

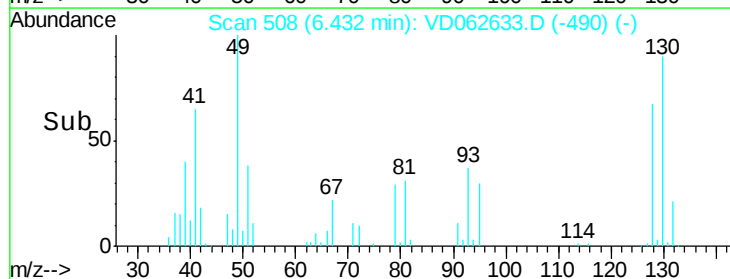
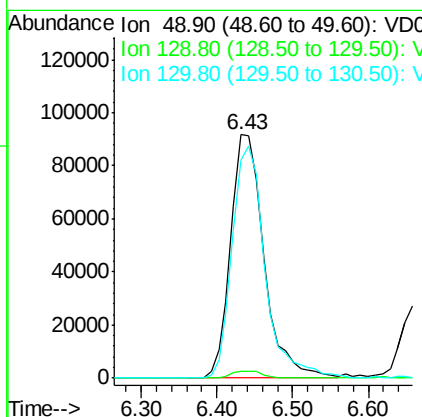
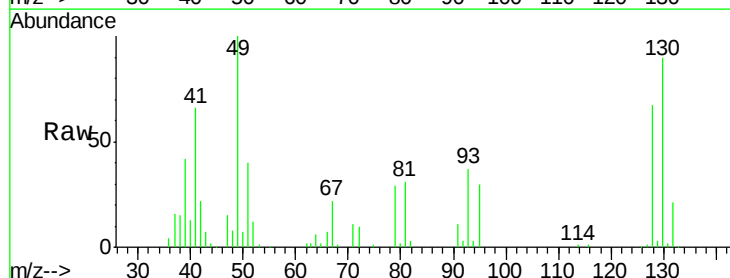
Tot Ion: 96 Resp: 367193
Ion Ratio Lower Upper
96 100
61 166.8 0.0 330.2
98 60.5 0.0 132.4

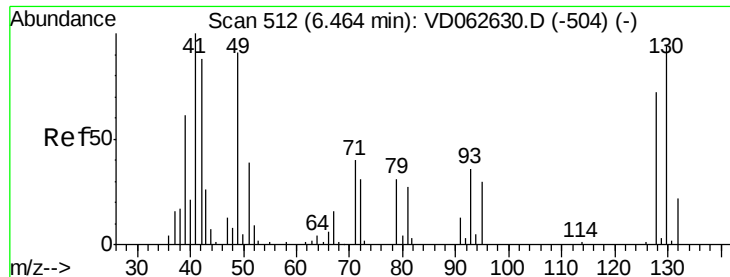


#28

Bromochloromethane
Concen: 54.866 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 49 Resp: 280588
Ion Ratio Lower Upper
49 100
129 3.0 0.0 0.0#
130 89.6 72.2 108.2





#29

Tetrahydrofuran

Concen: 267.872 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

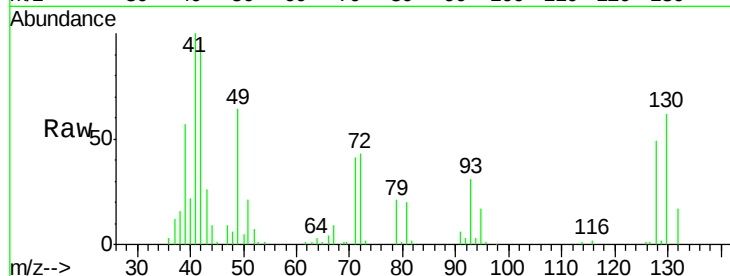
Tot Ion: 42 Resp: 220540

Ion Ratio Lower Upper

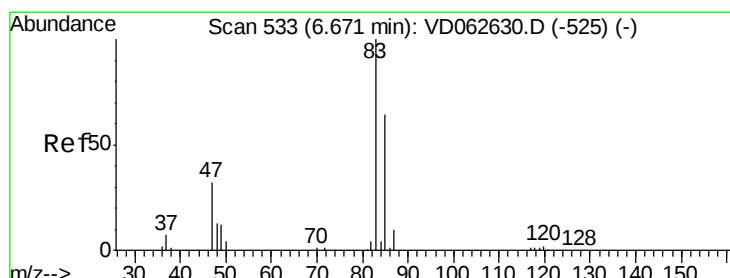
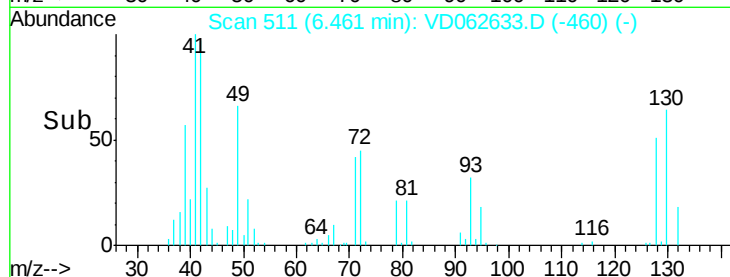
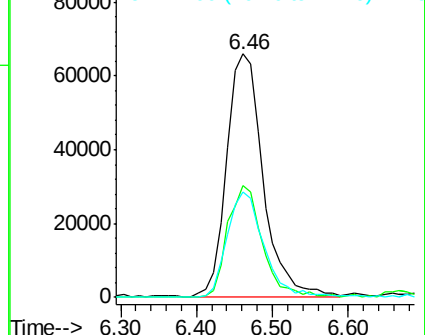
42 100

72 43.8 31.4 47.2

71 43.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.439 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062633.D

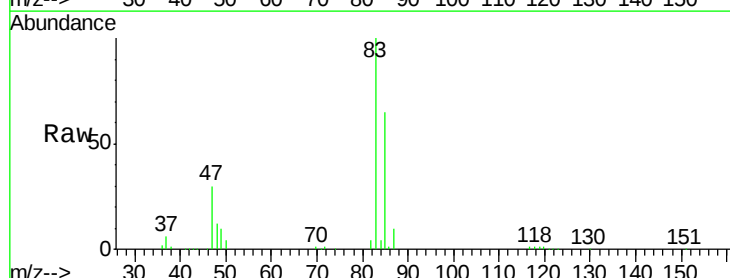
Acq: 6 Jun 2019 19:36

Tgt Ion: 83 Resp: 826223

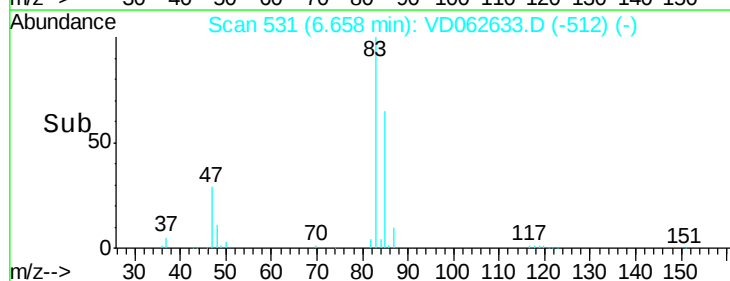
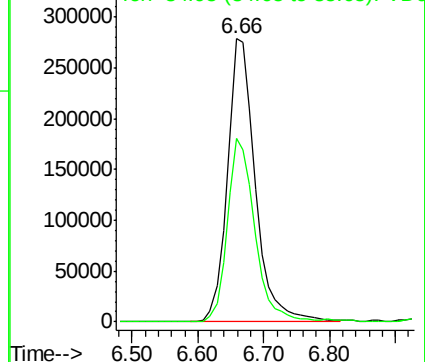
Ion Ratio Lower Upper

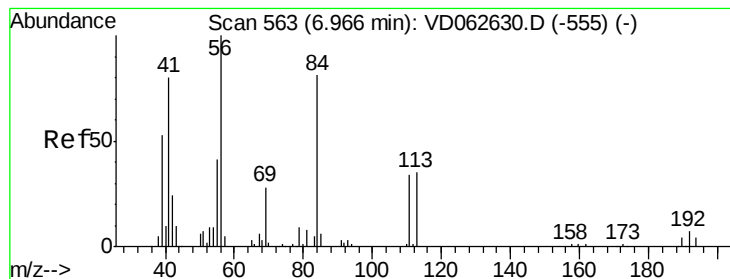
83 100

85 64.8 51.0 76.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 56.025 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

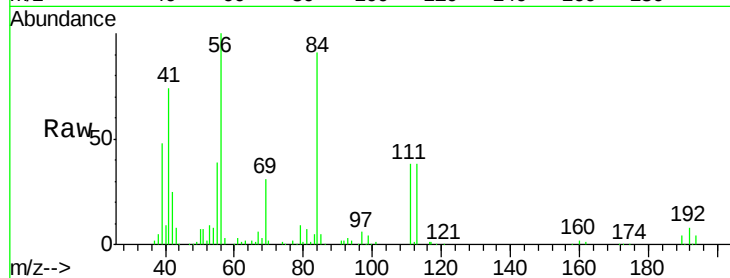
Tot Ion: 56 Resp: 461609

Ion Ratio Lower Upper

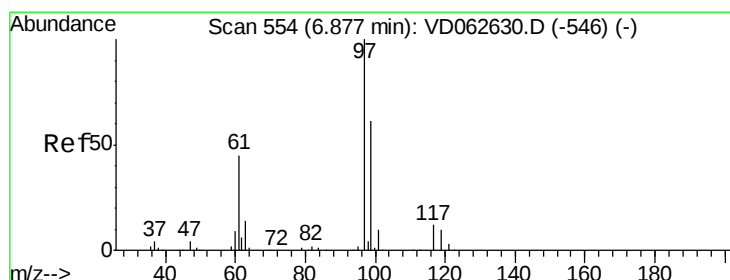
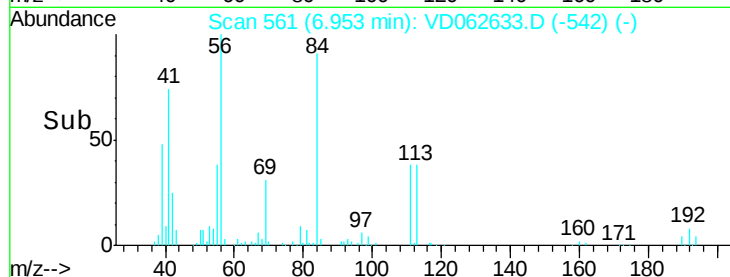
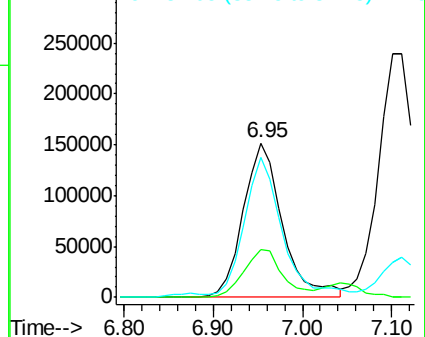
56 100

69 31.1 22.4 33.6

84 90.9 67.8 101.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 46.201 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

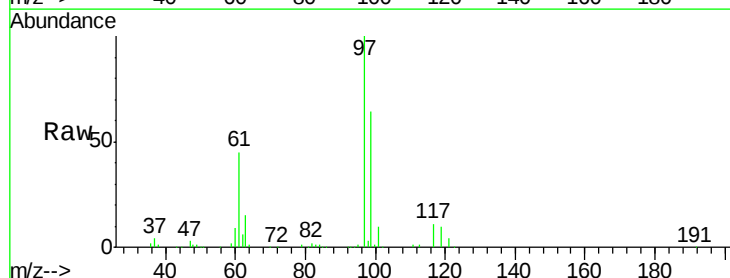
Tgt Ion: 97 Resp: 820016

Ion Ratio Lower Upper

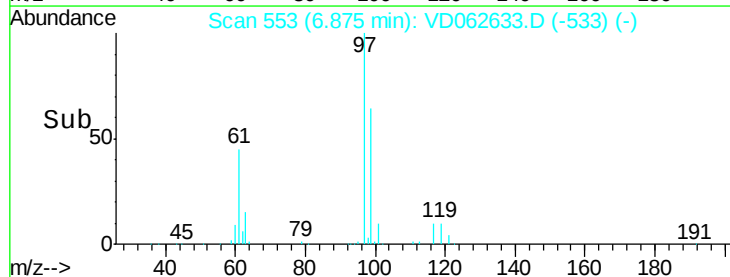
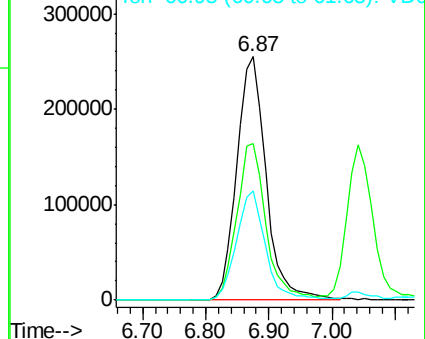
97 100

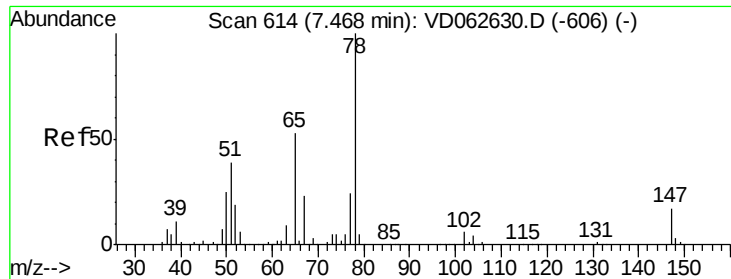
99 64.5 49.0 73.6

61 44.7 36.2 54.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.476 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

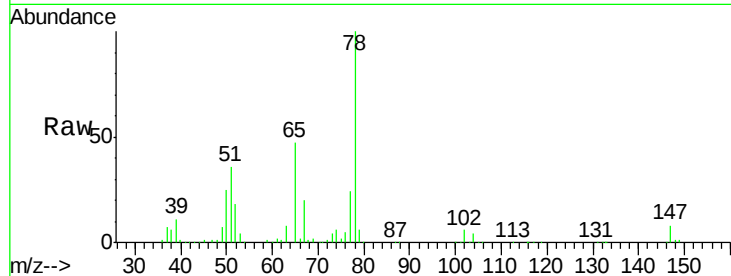
ICVVD060619

Tot Ion: 65 Resp: 474202

Ion Ratio Lower Upper

65 100

67 42.9 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

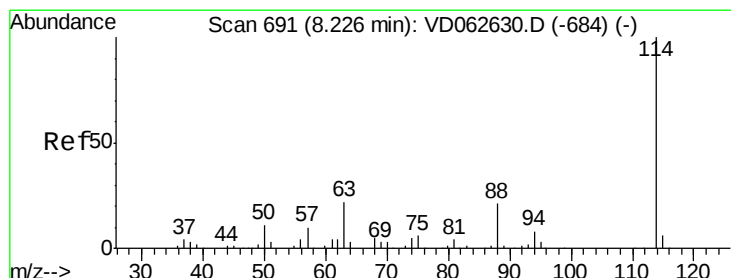
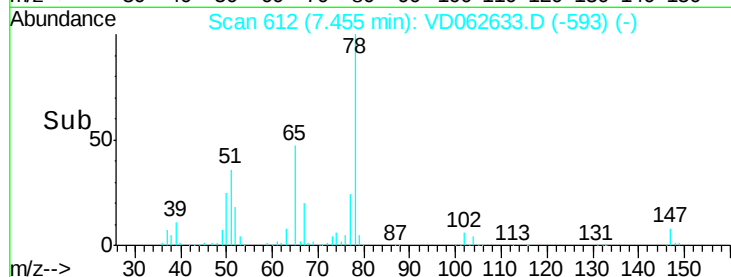
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

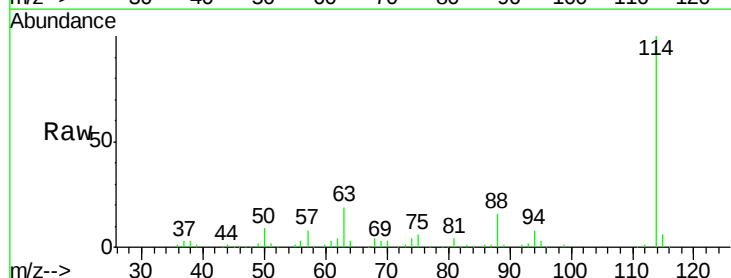
Tgt Ion: 114 Resp: 1045599

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.6

88 16.2 0.0 41.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

500000

400000

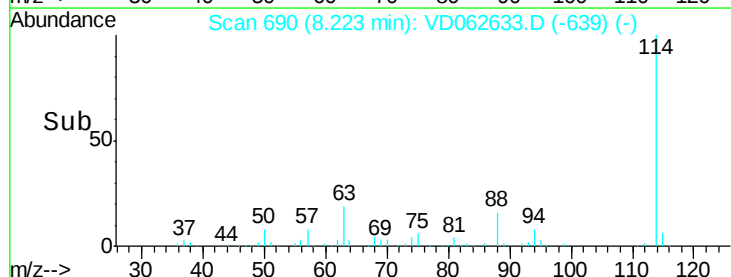
300000

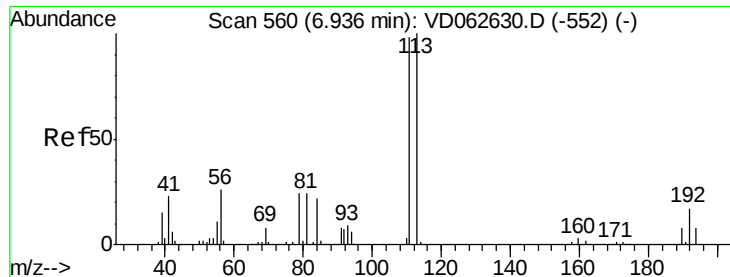
200000

100000

0

Time-->

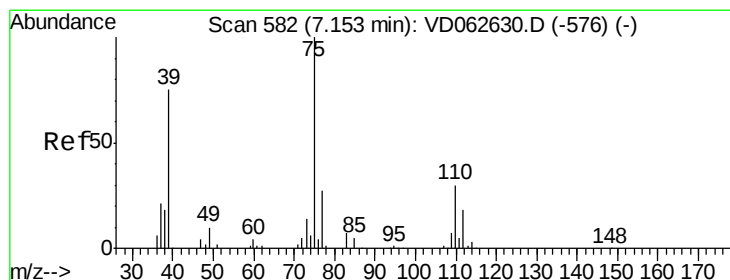
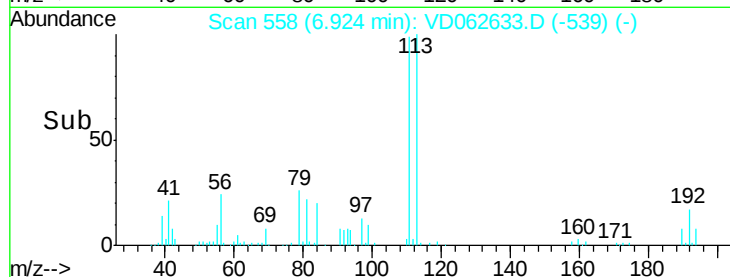
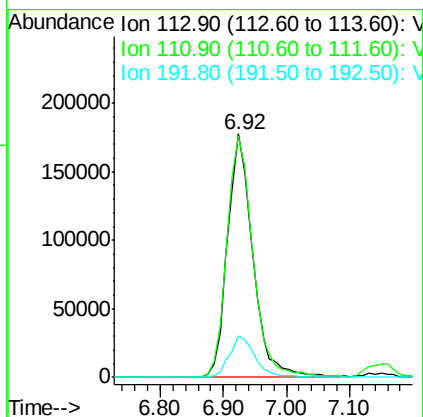
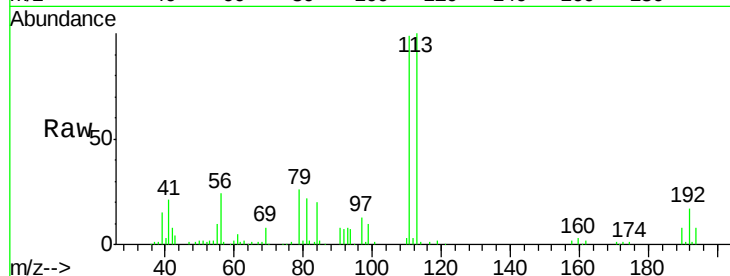




#35
 Dibromofluoromethane
 Concen: 45.087 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

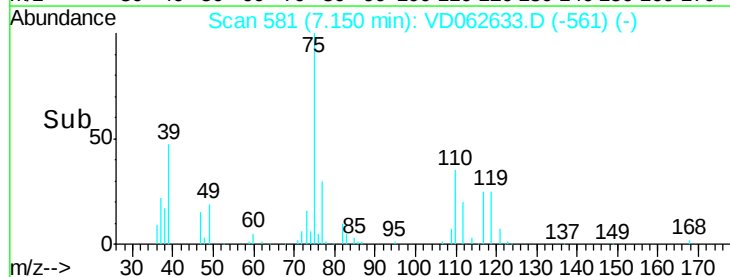
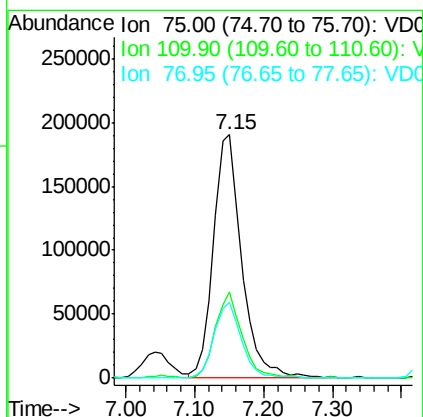
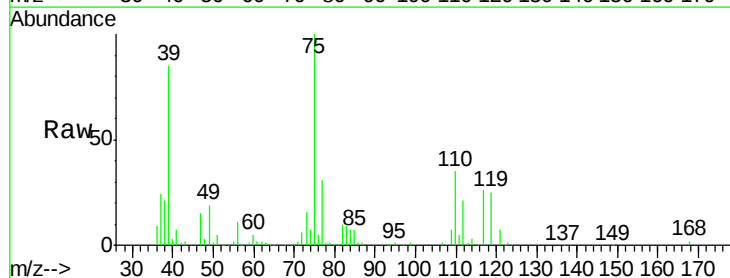
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

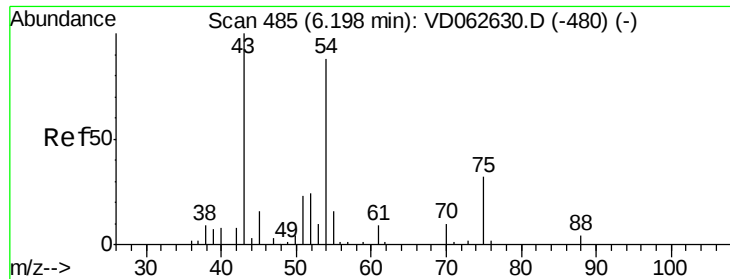
Tot Ion:113 Resp: 494693
 Ion Ratio Lower Upper
 113 100
 111 98.8 78.5 117.7
 192 16.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 47.689 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 75 Resp: 544482
 Ion Ratio Lower Upper
 75 100
 110 35.3 14.8 44.3
 77 30.9 21.8 32.6

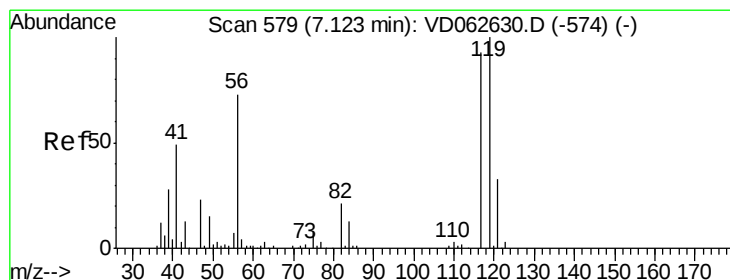
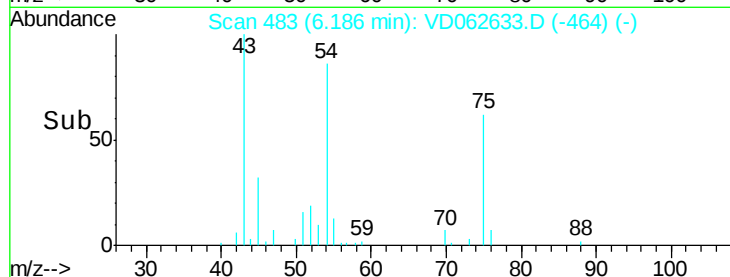
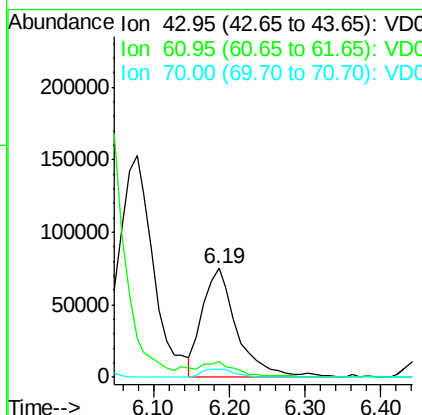
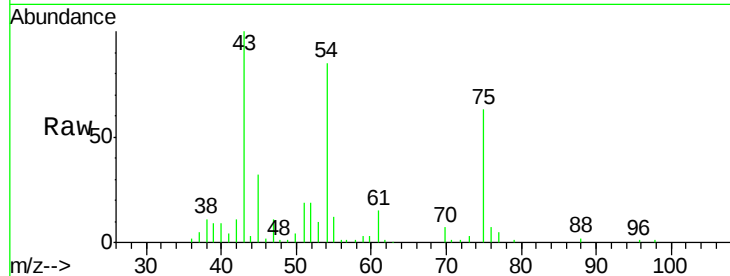




#37
Ethyl Acetate
Concen: 50.994 ug/l
RT: 6.19 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

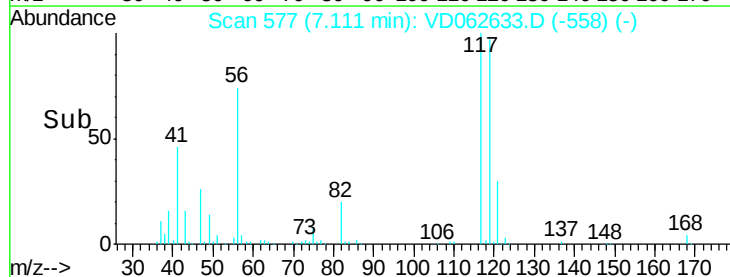
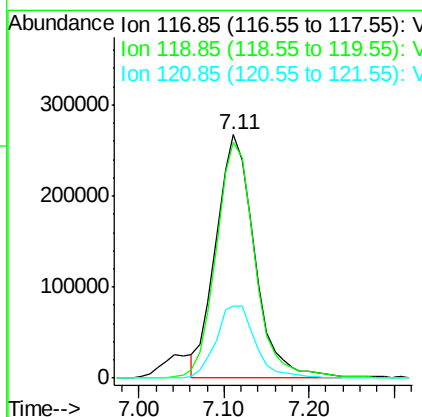
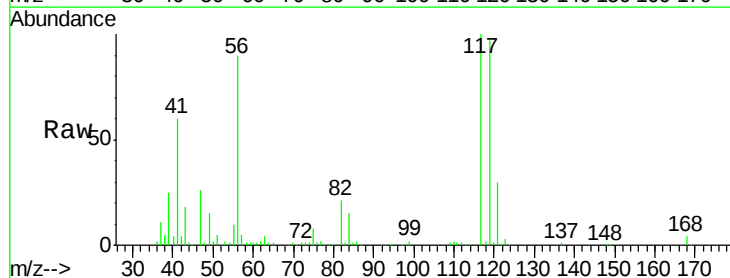
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

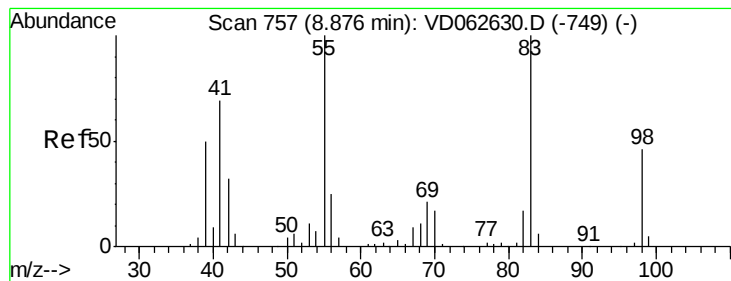
Tot Ion: 43 Resp: 233122
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 7.9 6.2 9.4



#38
Carbon Tetrachloride
Concen: 45.261 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 117 Resp: 843831
Ion Ratio Lower Upper
117 100
119 97.1 81.0 121.4
121 29.6 26.2 39.4





#39

Methvlcvclohexane

Concen: 48.223 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

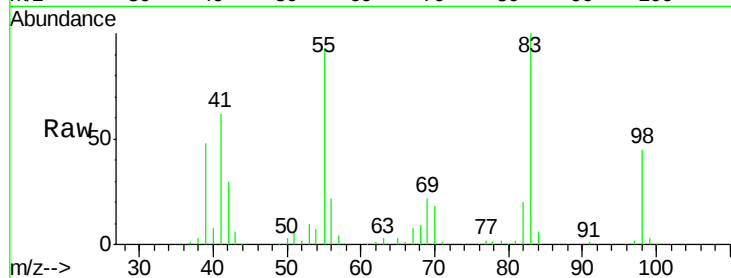
Tot Ion: 83 Resp: 459075

Ion Ratio Lower Upper

83 100

55 92.8 79.8 119.8

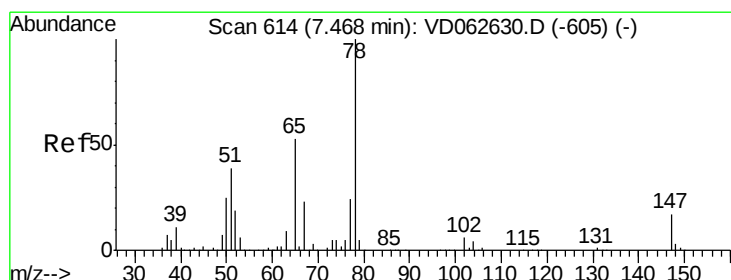
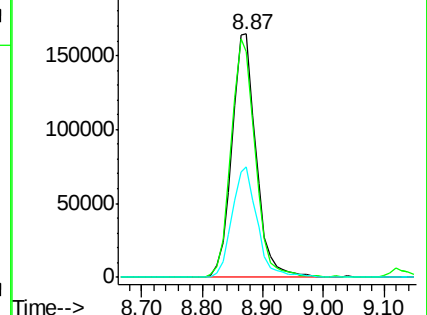
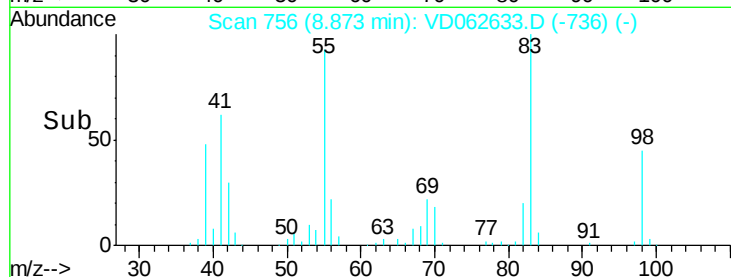
98 45.4 36.9 55.3



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.086 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062633.D

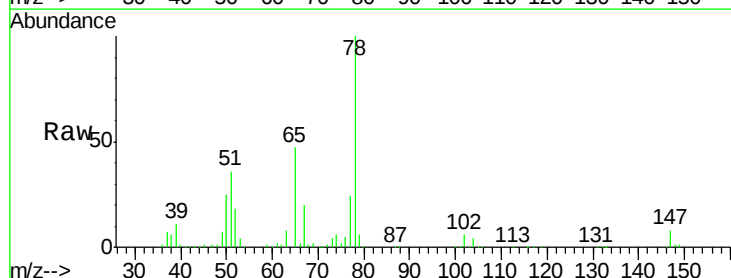
Acq: 6 Jun 2019 19:36

Tgt Ion: 78 Resp: 1051190

Ion Ratio Lower Upper

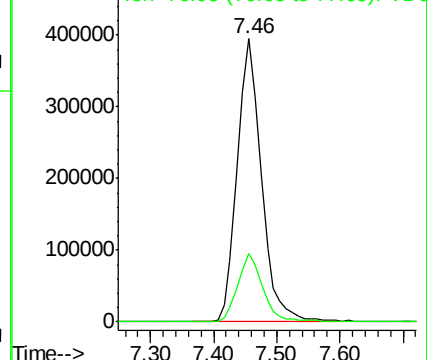
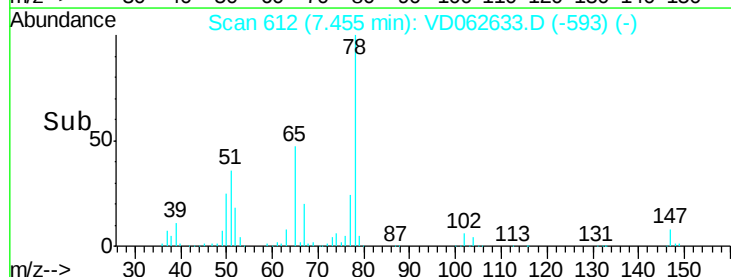
78 100

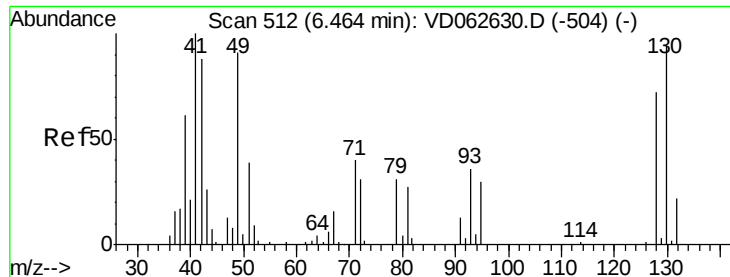
77 24.1 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

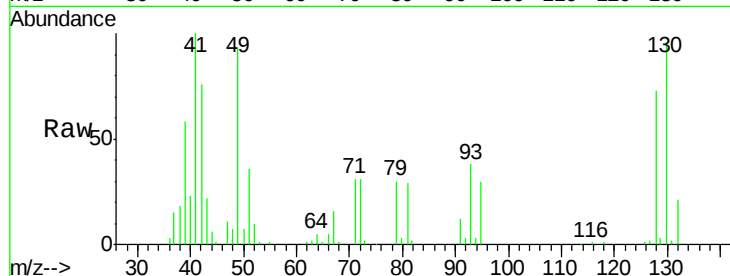




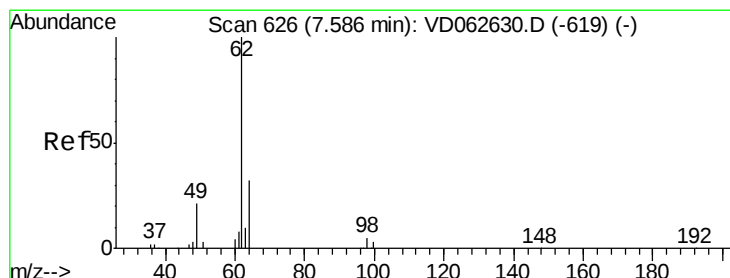
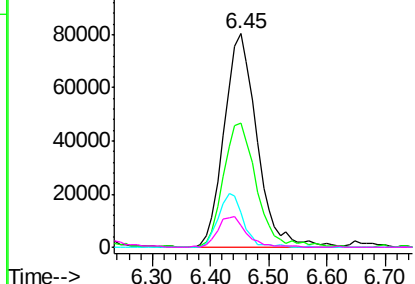
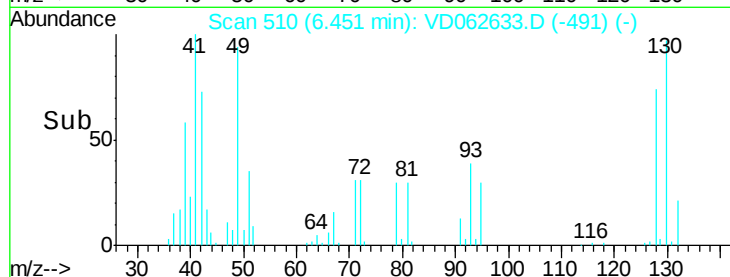
#41
Methacrylonitrile
Concen: 51.329 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

Tot Ion:	41	Resp:	314799
Ion	Ratio	Lower	Upper
41	100		
39	57.9	48.9	73.3
67	16.1	12.6	18.8
52	10.2	7.5	11.3

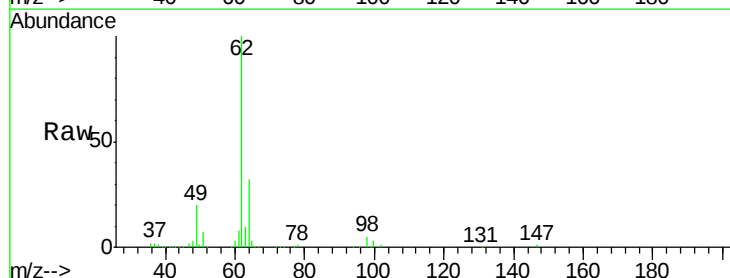


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

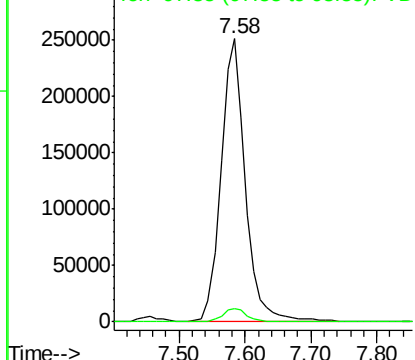
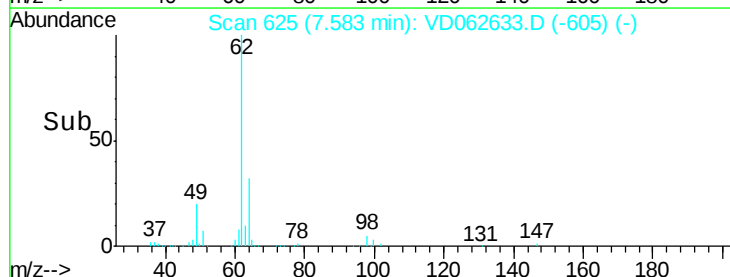


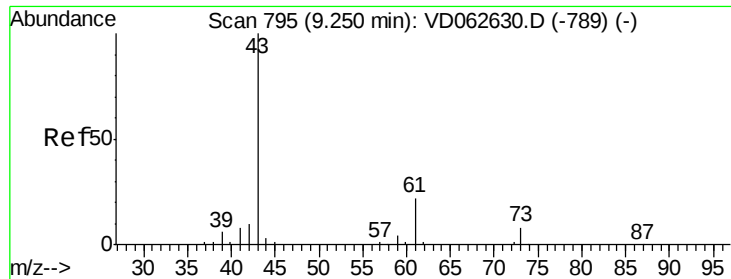
#42
1,2-Dichloroethane
Concen: 47.088 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion:	62	Resp:	646542
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



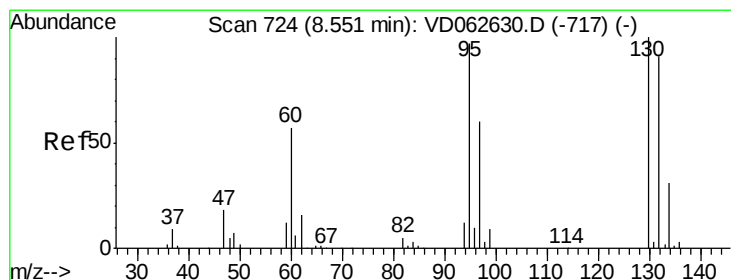
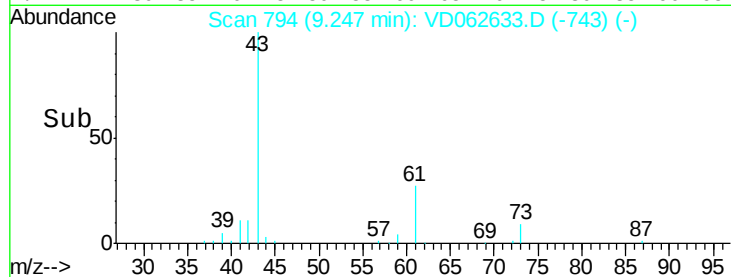
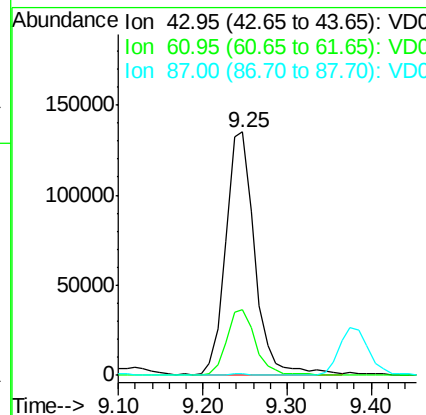
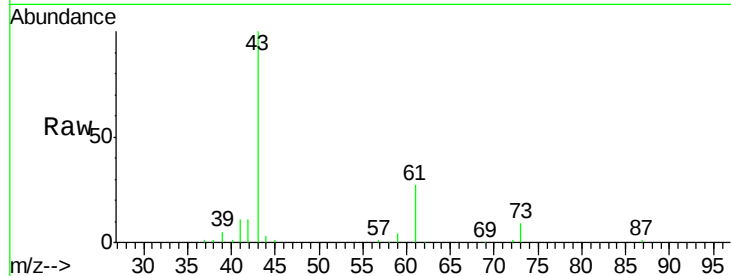


#43

Isopropyl Acetate
 Concen: 49.465 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

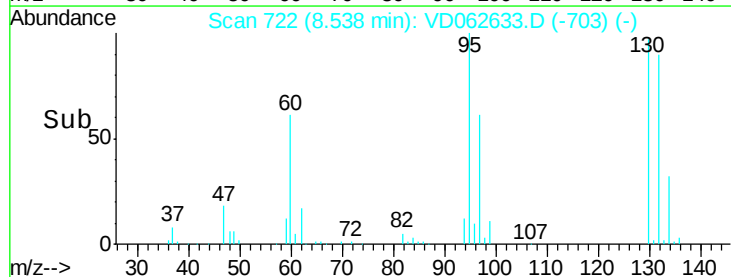
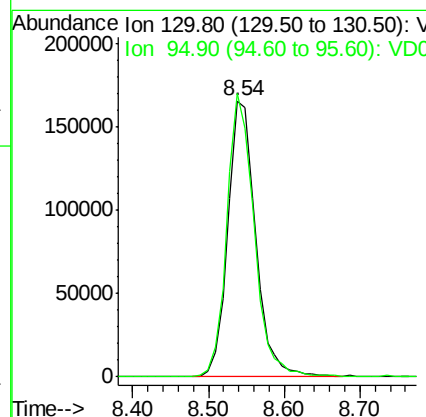
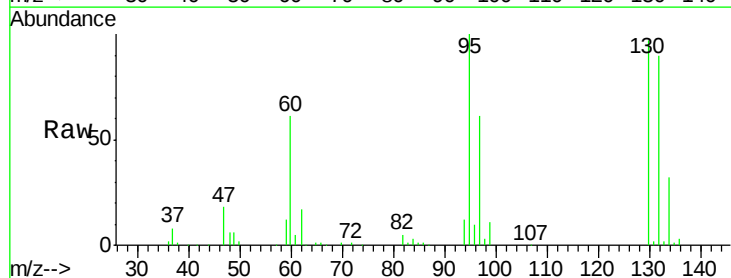
Tot Ion: 43 Resp: 320141
 Ion Ratio Lower Upper
 43 100
 61 27.0 17.8 26.8#
 87 0.6 0.3 0.5#

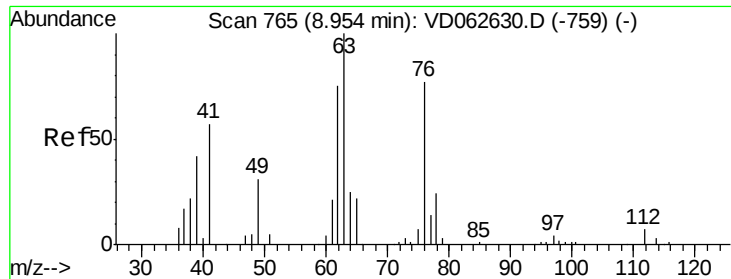


#44

Trichloroethene
 Concen: 45.351 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 130 Resp: 419820
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 193.2





#45

1,2-Dichloropropane

Concen: 49.610 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

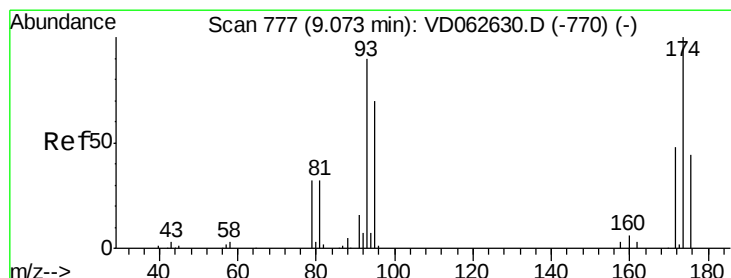
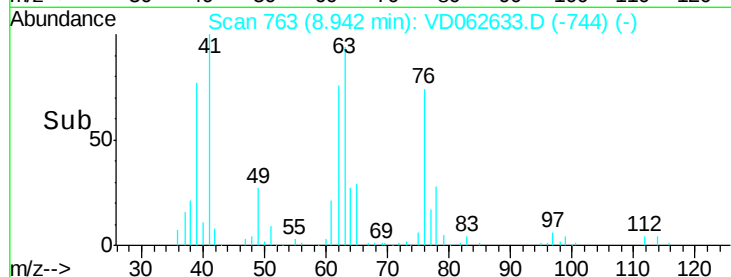
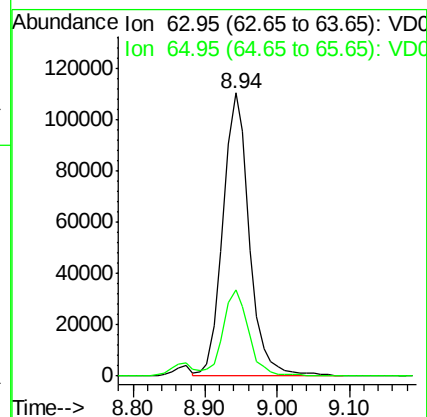
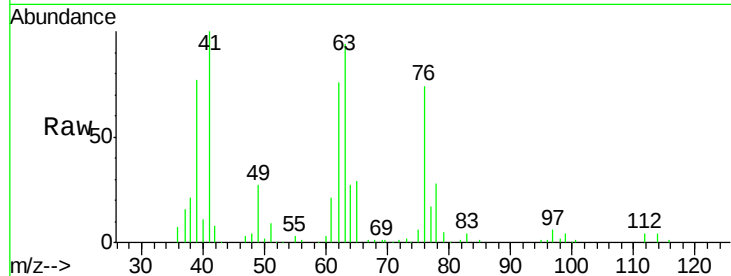
ICVVD060619

Tot Ion: 63 Resp: 279177

Ion Ratio Lower Upper

63 100

65 30.5 20.1 30.1#



#46

Dibromomethane

Concen: 48.914 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

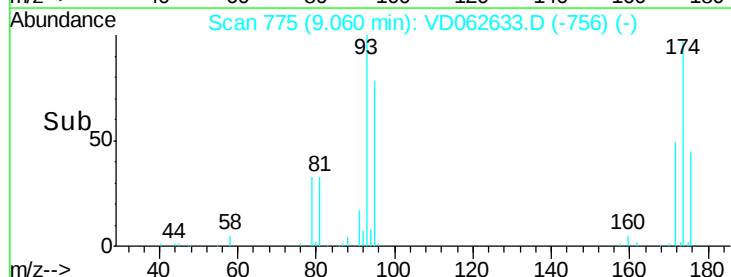
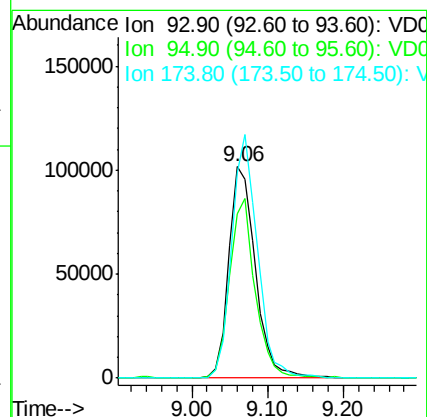
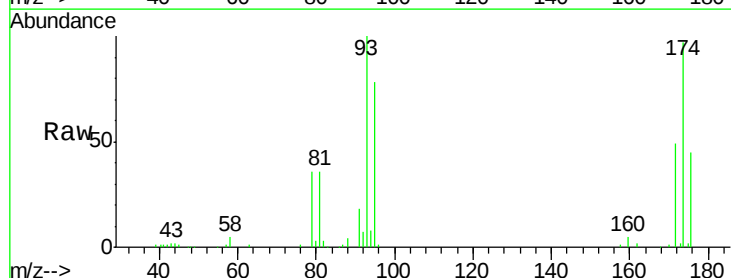
Tgt Ion: 93 Resp: 247644

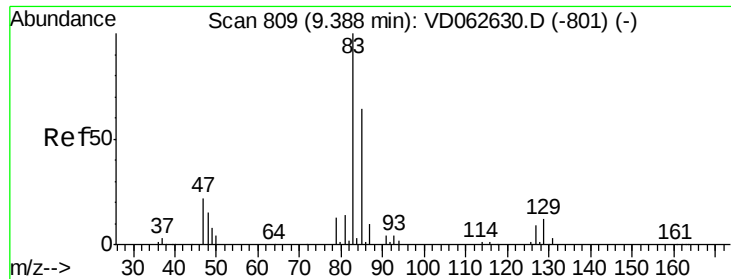
Ion Ratio Lower Upper

93 100

95 77.7 62.8 94.2

174 97.0 89.1 133.7





#47

Bromodichloromethane

Concen: 49.453 ug/l

RT: 9.38 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

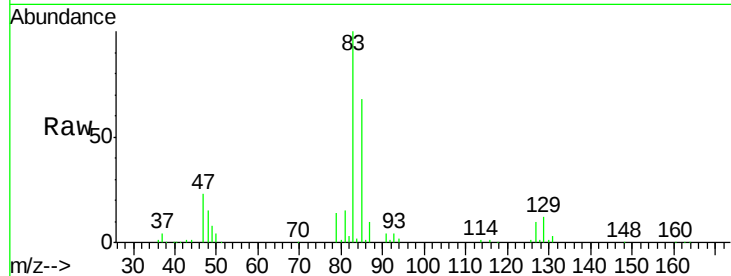
Tot Ion: 83 Resp: 661092

Ion Ratio Lower Upper

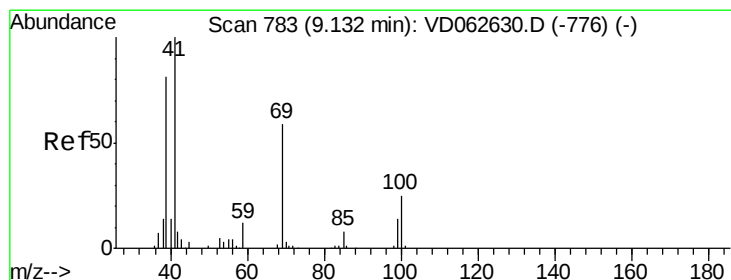
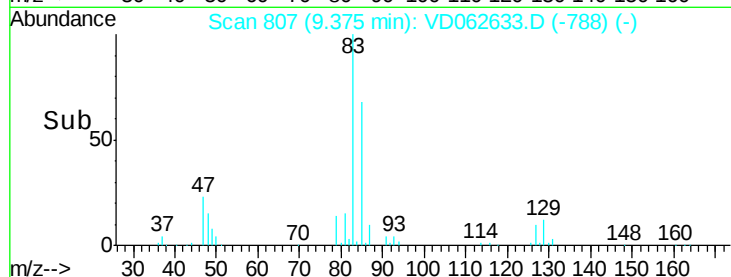
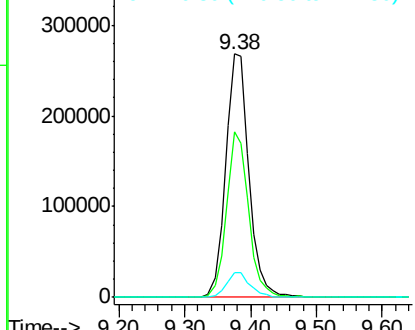
83 100

85 68.1 50.9 76.3

127 10.2 7.4 11.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.020 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

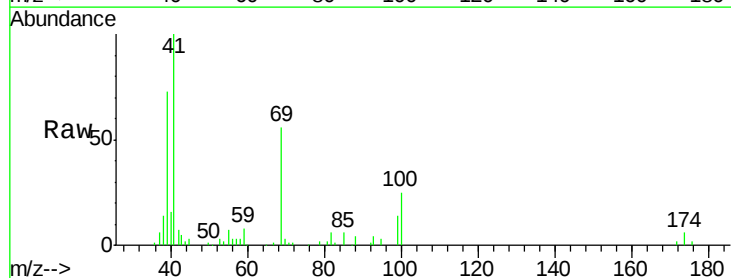
Tgt Ion: 41 Resp: 214748

Ion Ratio Lower Upper

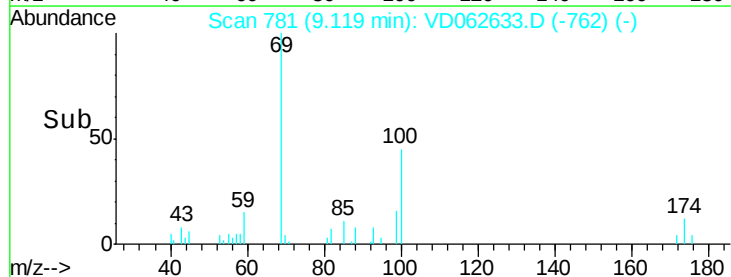
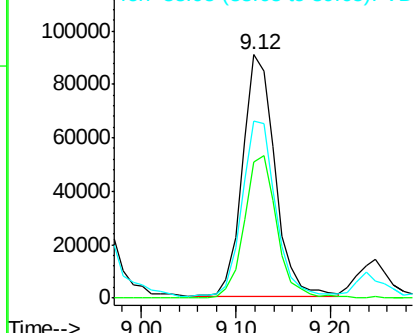
41 100

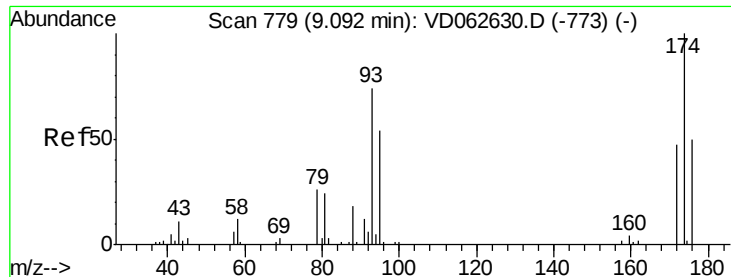
69 55.7 47.0 70.6

39 72.6 65.8 98.6



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

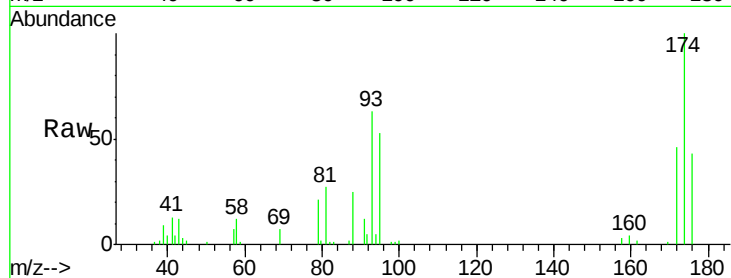




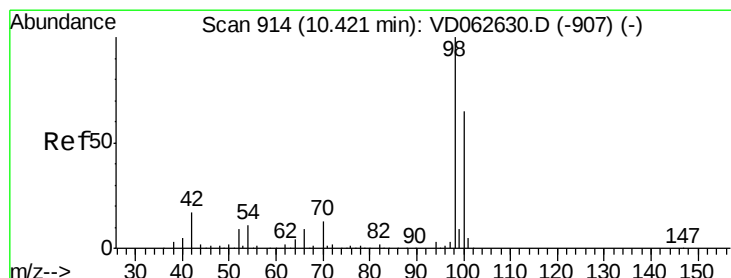
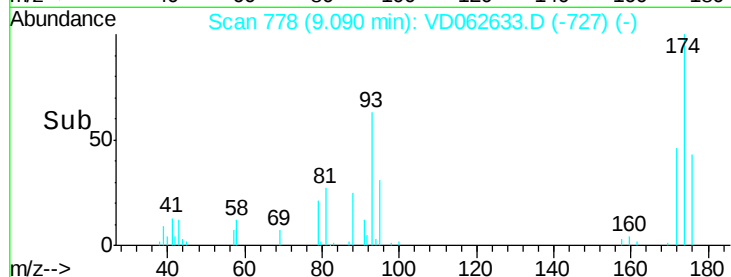
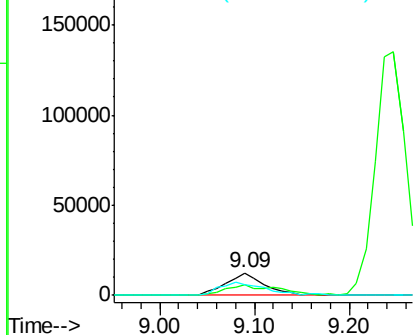
#49
1,4-Dioxane
Concen: 997.575 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

Tot Ion: 88 Resp: 35370
Ion Ratio Lower Upper
88 100
43 48.4 50.2 75.2#
58 46.9 56.2 84.4#

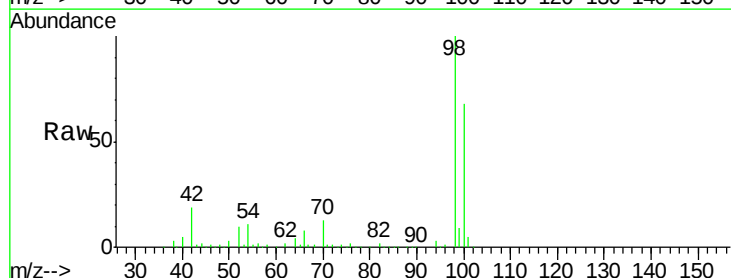


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

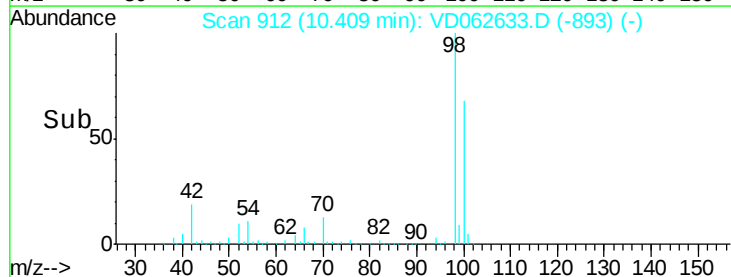
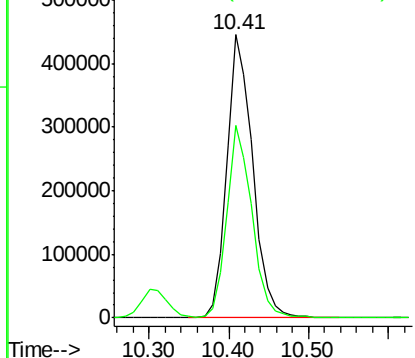


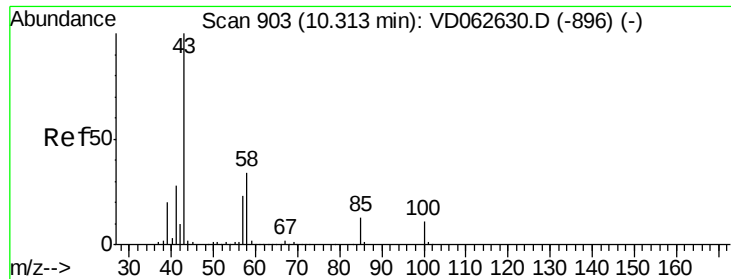
#50
Toluene-d8
Concen: 42.389 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 98 Resp: 1013291
Ion Ratio Lower Upper
98 100
100 68.2 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 235.830 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

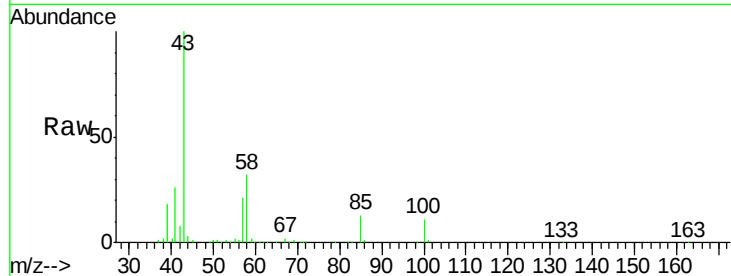
ICVVD060619

Tot Ion: 43 Resp: 1061357

Ion Ratio Lower Upper

43 100

58 31.9 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

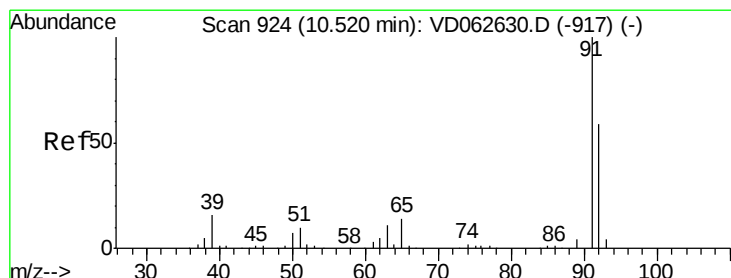
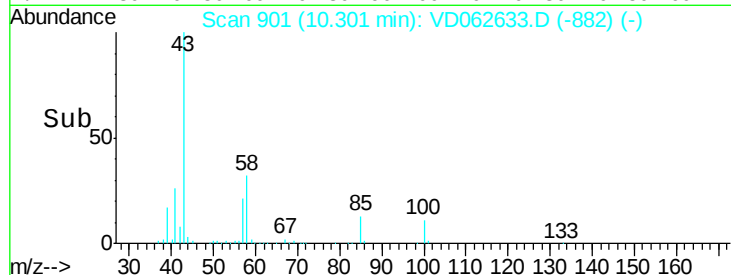
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.696 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062633.D

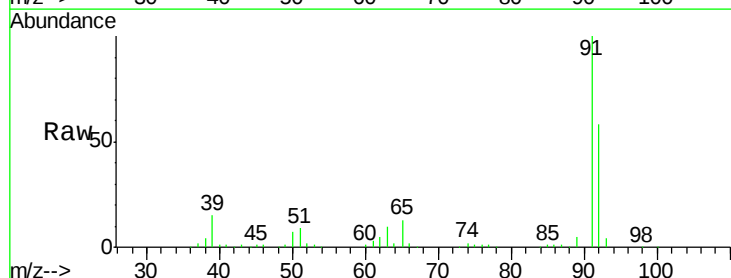
Acq: 6 Jun 2019 19:36

Tgt Ion: 92 Resp: 713956

Ion Ratio Lower Upper

92 100

91 173.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

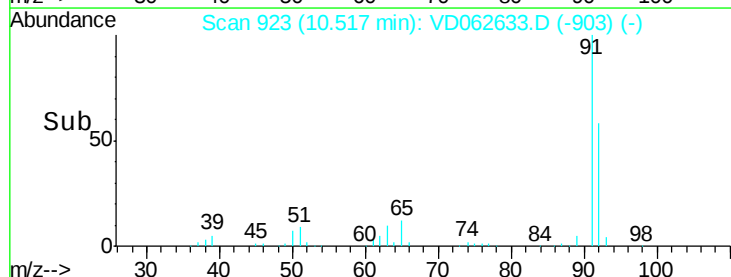
300000

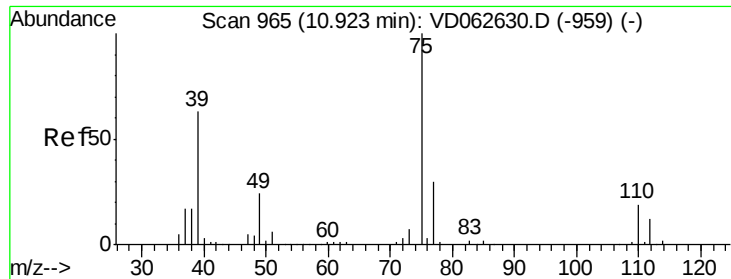
200000

100000

0

Time-->

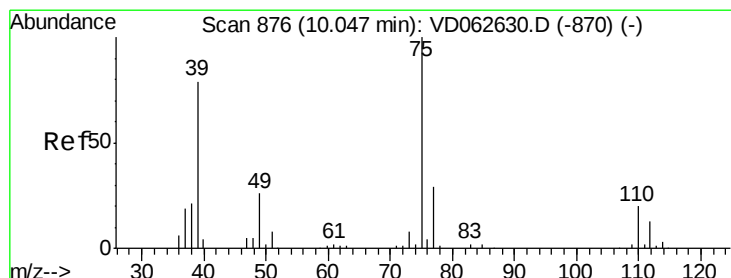
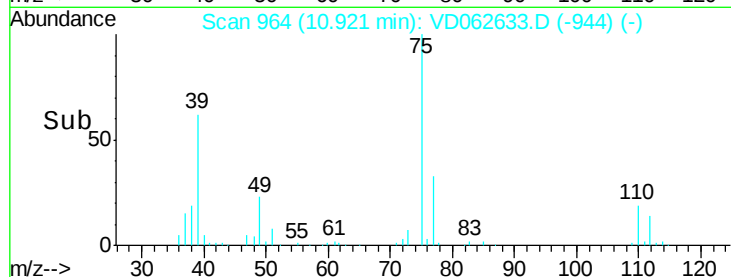
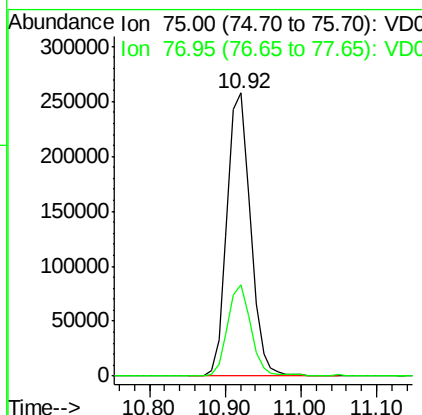
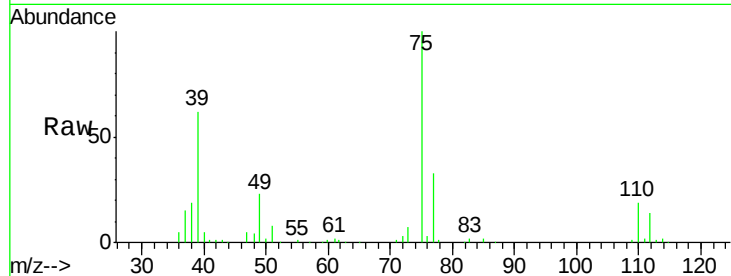




#53
t-1,3-Dichloropropene
Concen: 49.167 ug/l
RT: 10.92 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

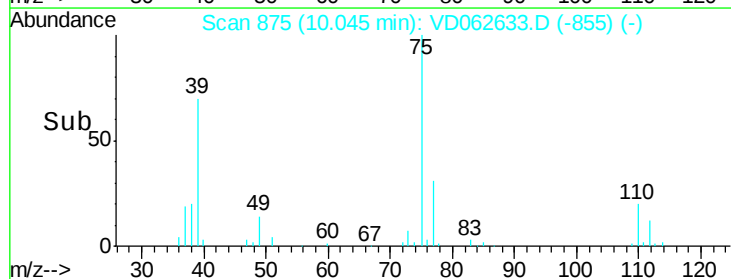
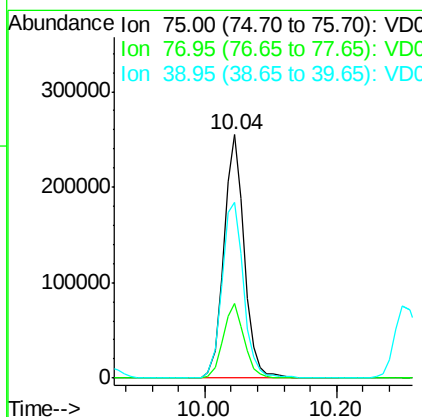
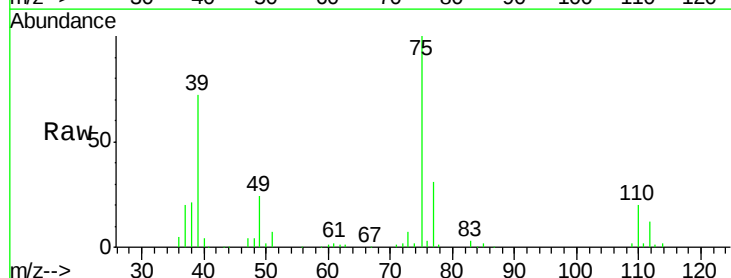
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

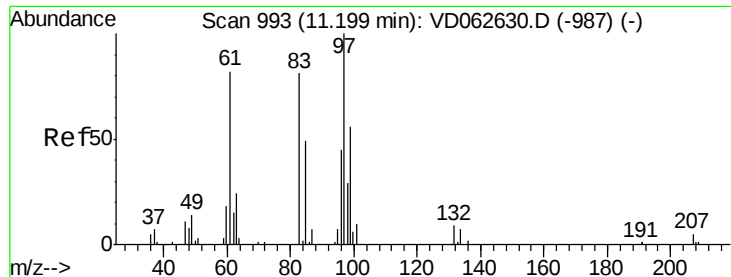
Tot Ion: 75 Resp: 551959
Ion Ratio Lower Upper
75 100
77 32.5 23.7 35.5



#54
cis-1,3-Dichloropropene
Concen: 47.395 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 75 Resp: 552709
Ion Ratio Lower Upper
75 100
77 30.6 23.4 35.2
39 72.2 63.0 94.4

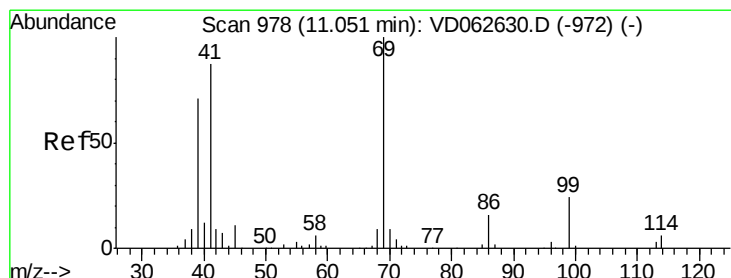
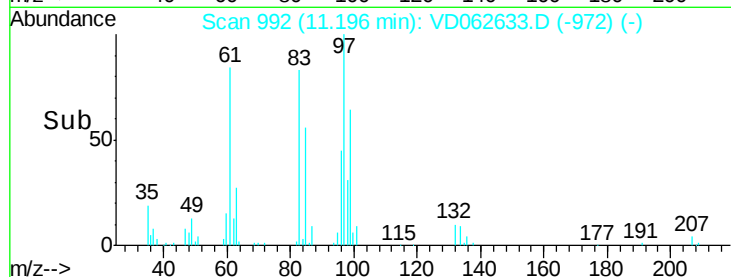
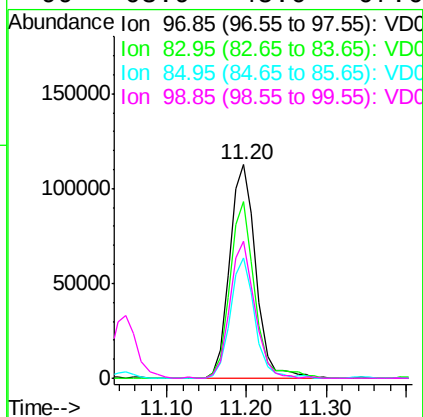
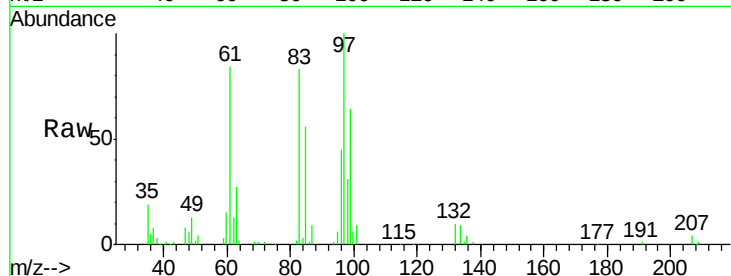




#55
 1,1,2-Trichloroethane
 Concen: 46.056 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

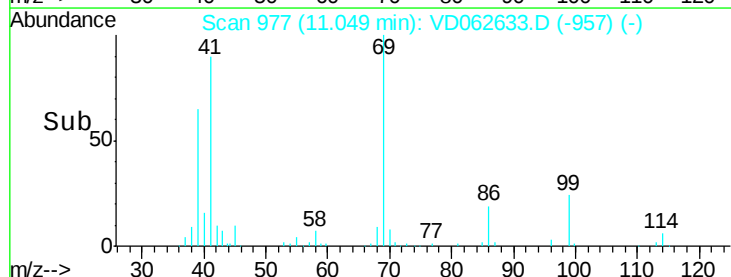
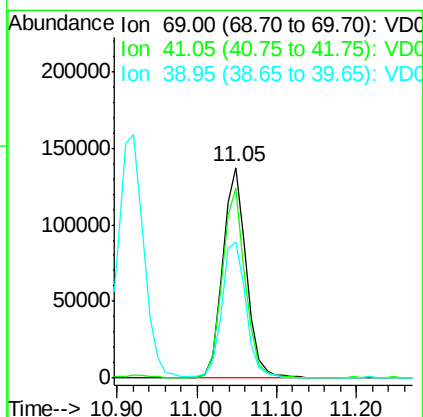
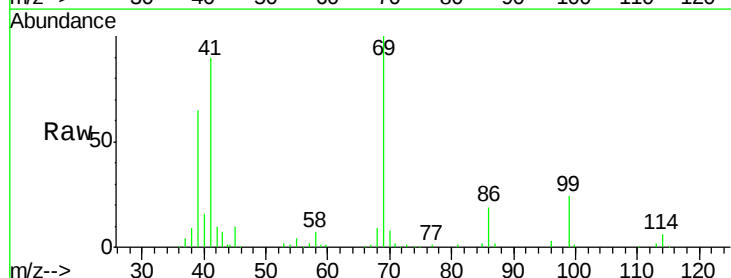
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

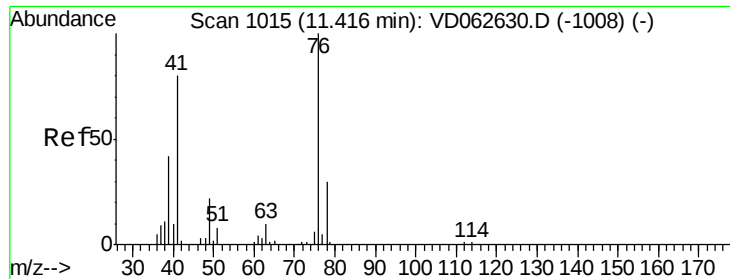
Tot Ion:	97	Resp:	259260
Ion	Ratio	Lower	Upper
97	100		
83	82.6	64.7	97.1
85	56.5	39.3	58.9
99	63.9	45.0	67.6



#56
 Ethyl methacrylate
 Concen: 51.098 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion:	69	Resp:	285891
Ion	Ratio	Lower	Upper
69	100		
41	90.2	69.8	104.8
39	64.9	57.6	86.4





#57

1,3-Dichloropropane

Concen: 47.622 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

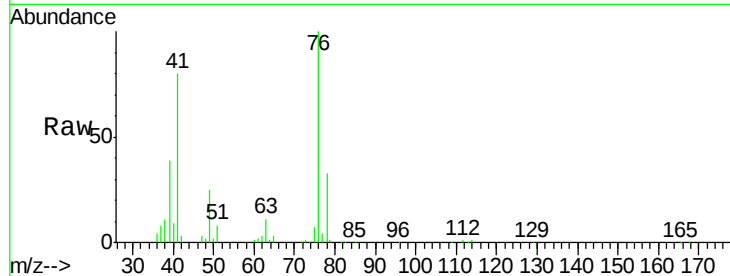
ICVVD060619

Tot Ion: 76 Resp: 389652

Ion Ratio Lower Upper

76 100

78 32.8 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

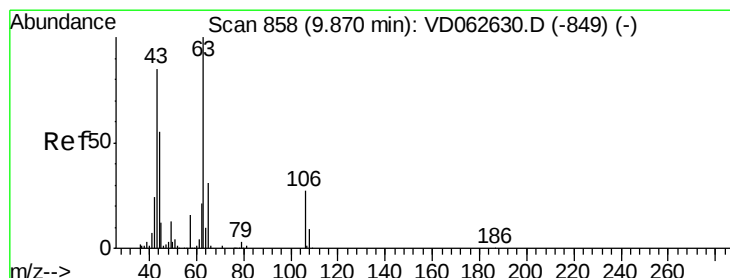
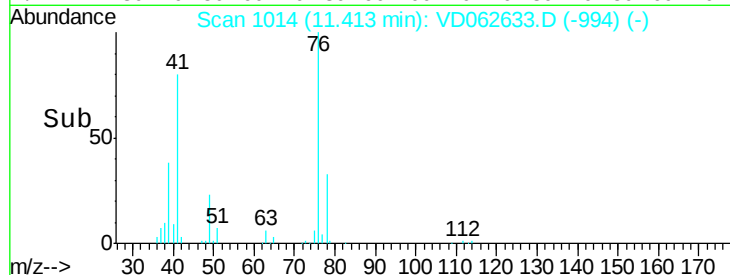
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 222.571 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD062633.D

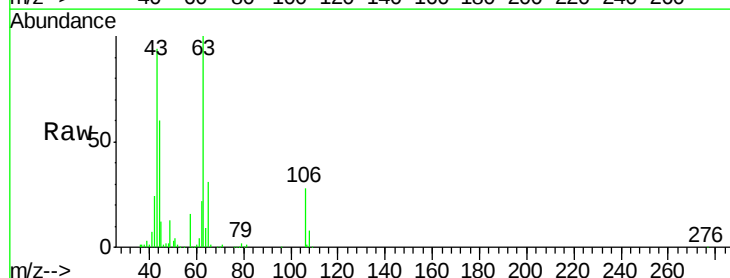
Acq: 6 Jun 2019 19:36

Tgt Ion: 63 Resp: 669255

Ion Ratio Lower Upper

63 100

106 28.4 21.8 32.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

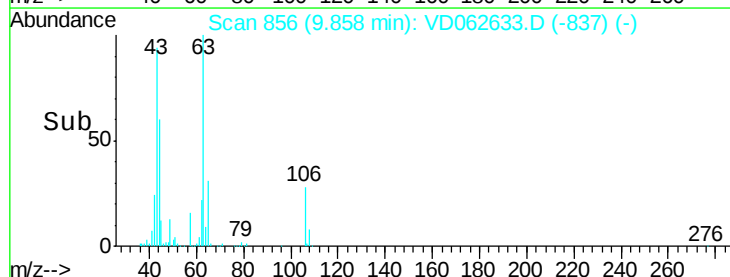
300000

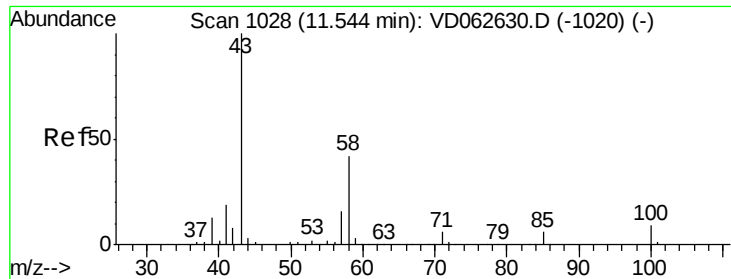
200000

100000

0

Time-->

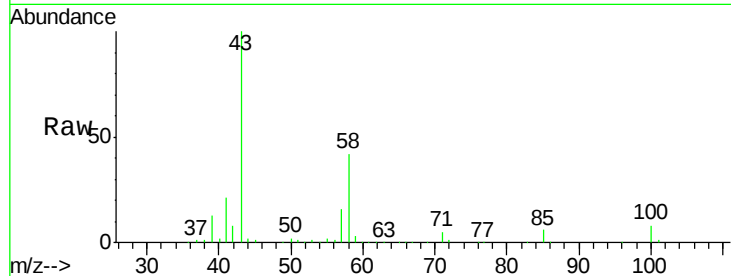




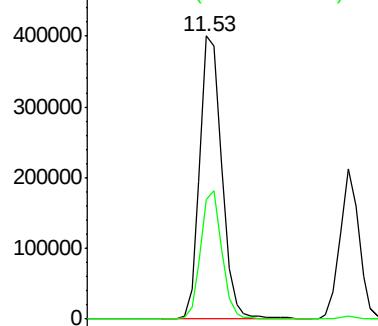
#59
2-Hexanone
Concen: 249.794 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

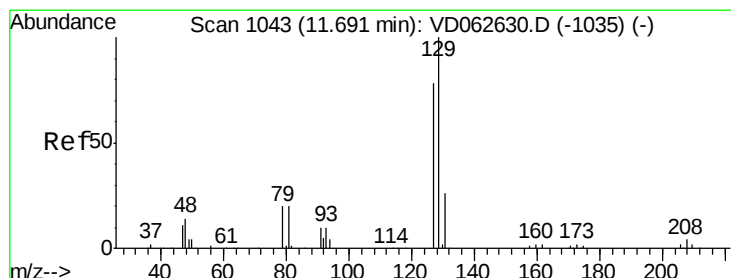
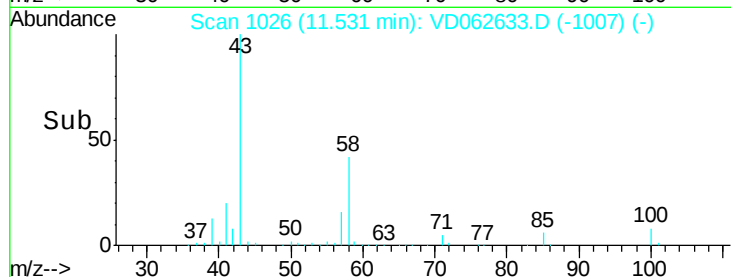
Tot Ion: 43 Resp: 808243
Ion Ratio Lower Upper
43 100
58 42.3 20.8 62.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

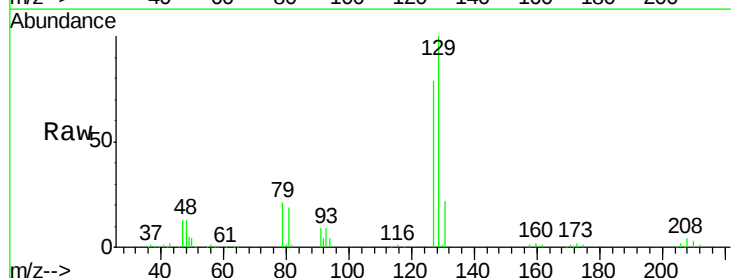


Time-->

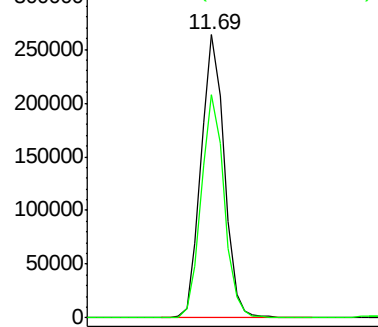


#60
Dibromochloromethane
Concen: 48.100 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

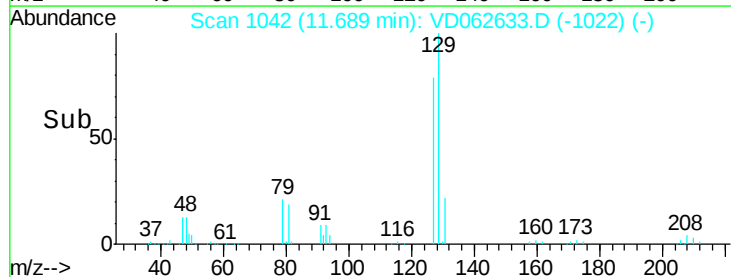
Tgt Ion: 129 Resp: 507192
Ion Ratio Lower Upper
129 100
127 78.7 38.9 116.6

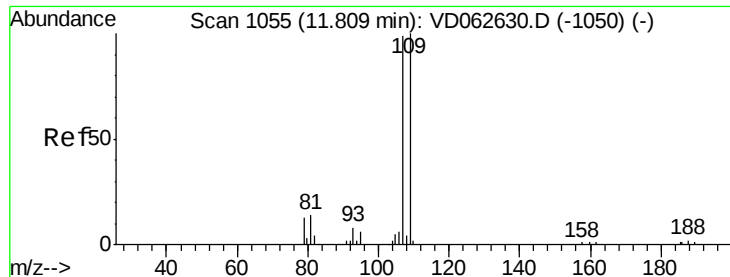


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->

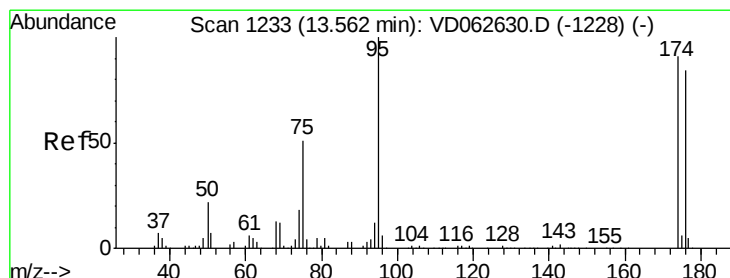
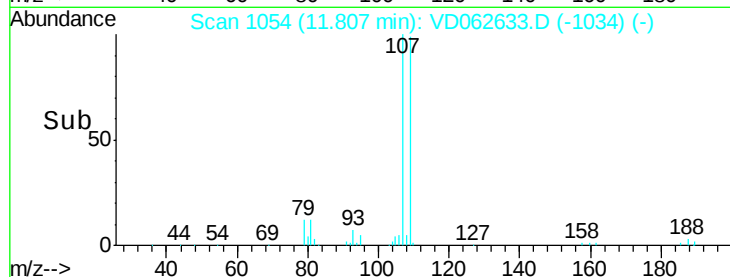
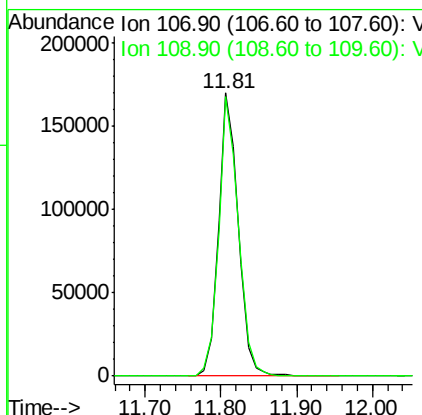
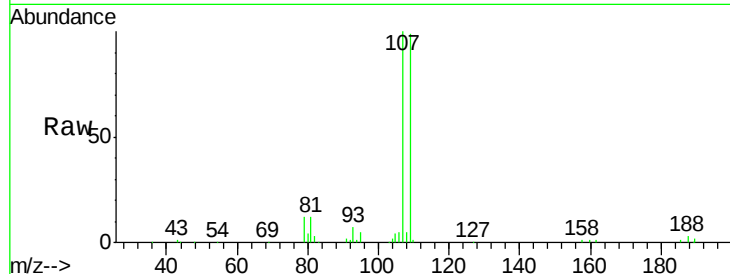




#61
 1,2-Dibromoethane
 Concen: 48.369 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

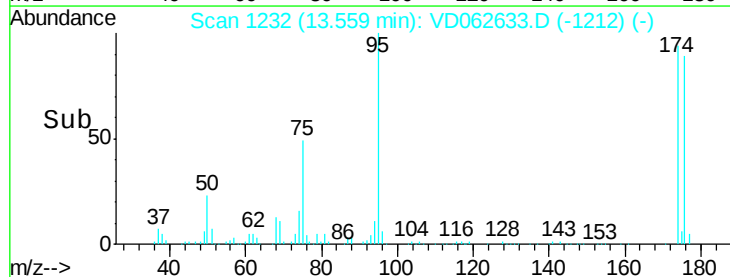
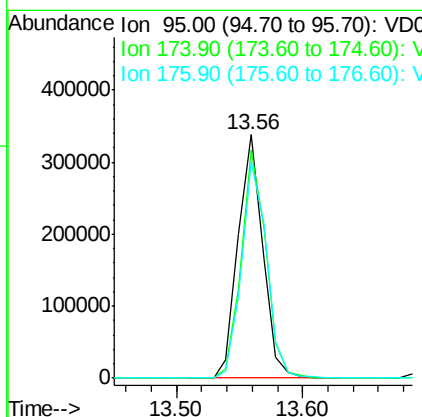
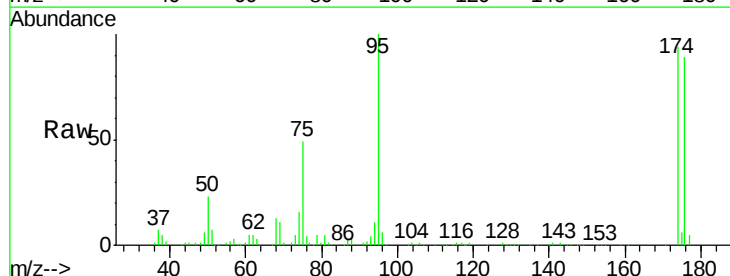
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

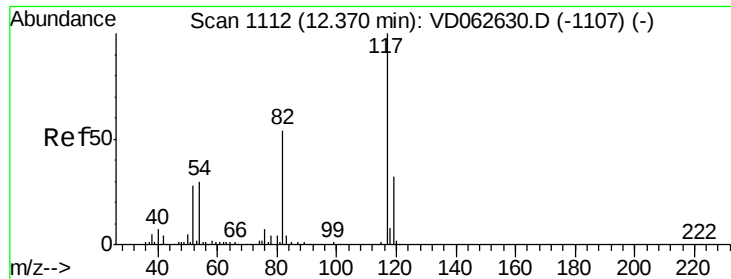
Tot Ion:107 Resp: 309506
 Ion Ratio Lower Upper
 107 100
 109 98.7 80.9 121.3



#62
 4-Bromofluorobenzene
 Concen: 41.211 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 95 Resp: 454874
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 181.6
 176 89.1 0.0 168.6

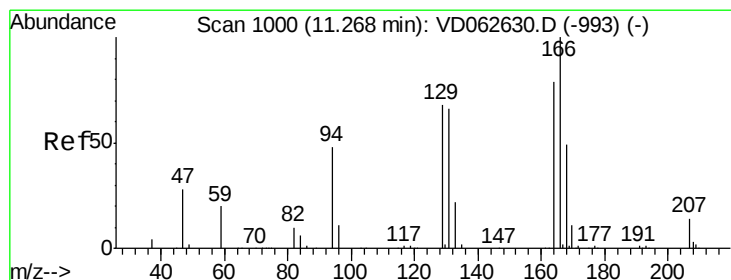
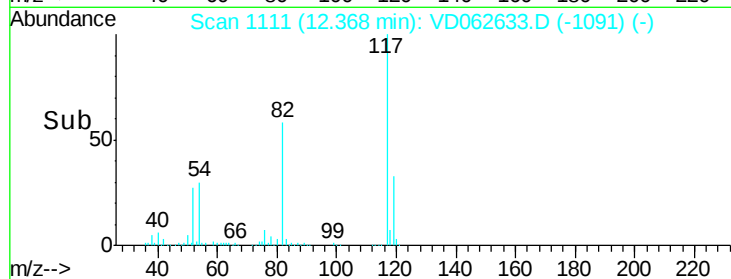
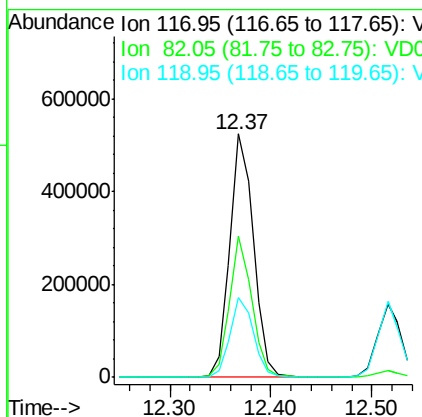
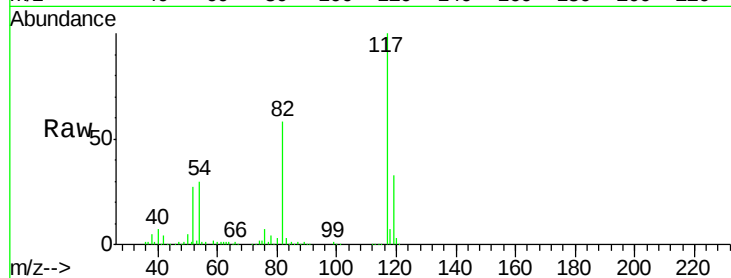




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

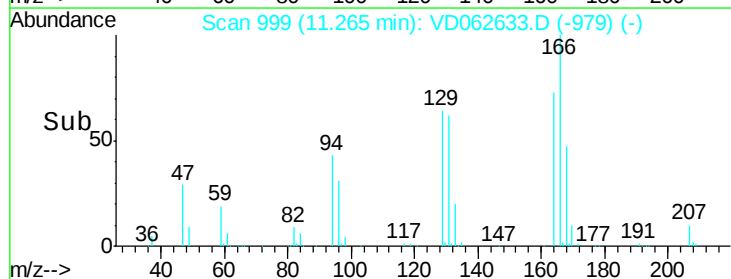
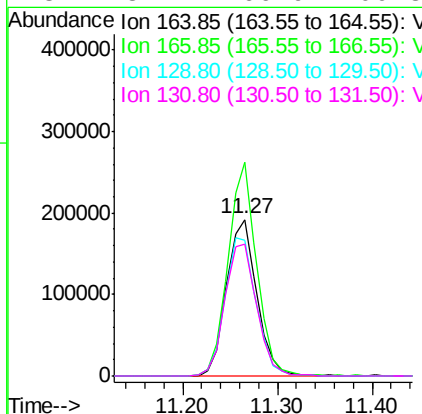
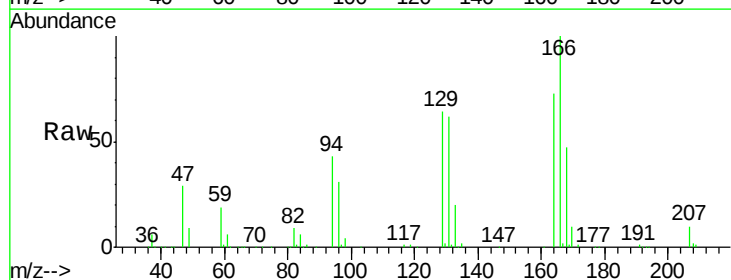
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

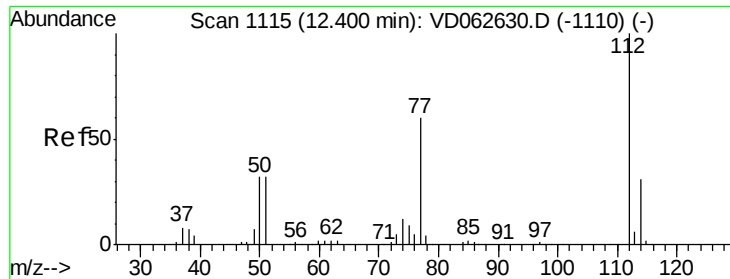
Tot Ion:117 Resp: 854729
Ion Ratio Lower Upper
117 100
82 57.8 43.0 64.6
119 32.8 25.9 38.9



#64
Tetrachloroethene
Concen: 51.973 ug/l
RT: 11.27 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion:164 Resp: 423960
Ion Ratio Lower Upper
164 100
166 136.8 101.0 151.6
129 86.9 68.2 102.4
131 84.4 66.9 100.3

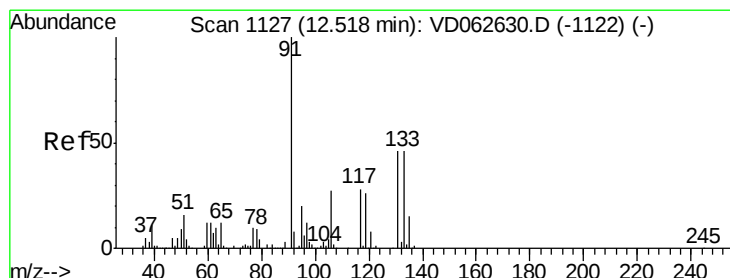
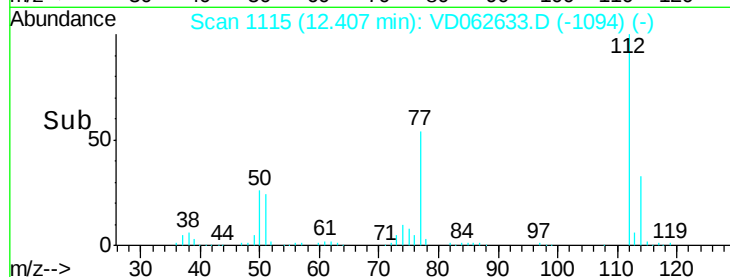
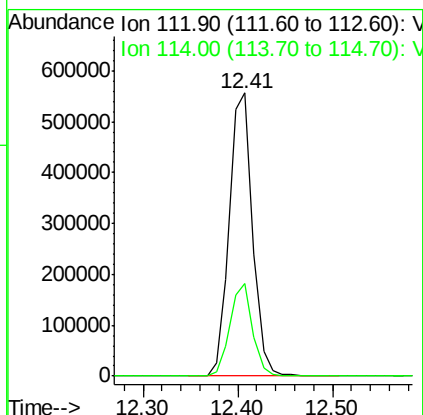
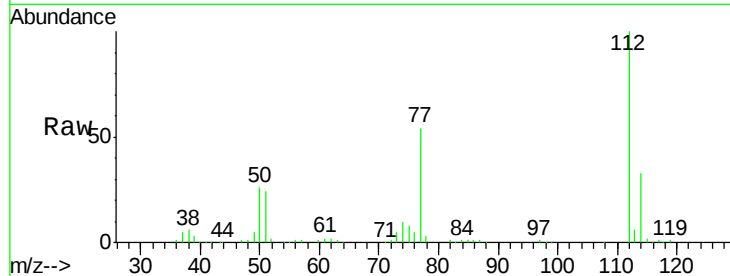




#65
Chlorobenzene
Concen: 52.717 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

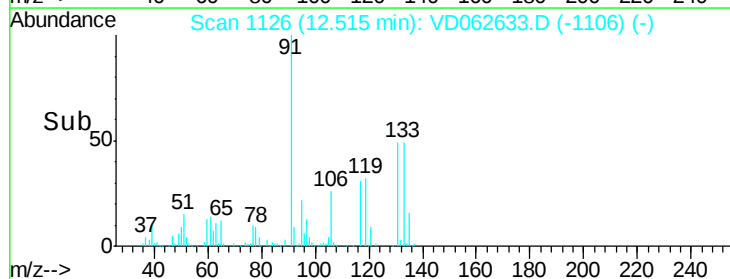
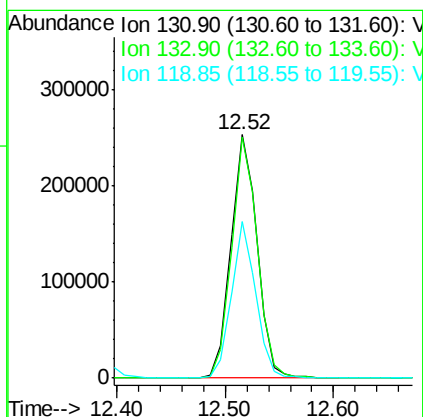
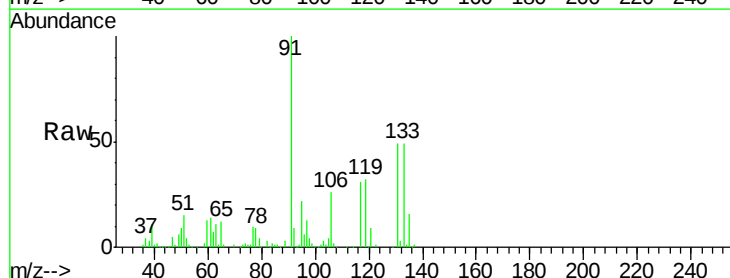
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

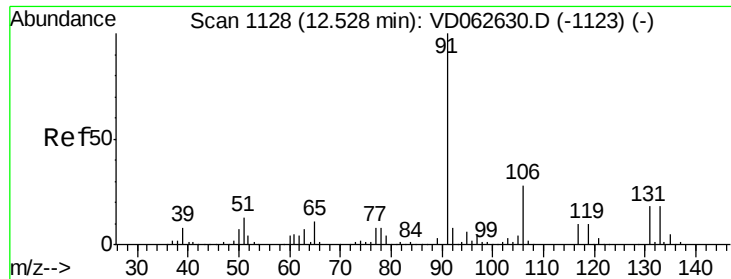
Tot Ion:112 Resp: 951249
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.123 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion:131 Resp: 424719
Ion Ratio Lower Upper
131 100
133 99.2 49.9 149.7
119 64.3 28.0 84.0

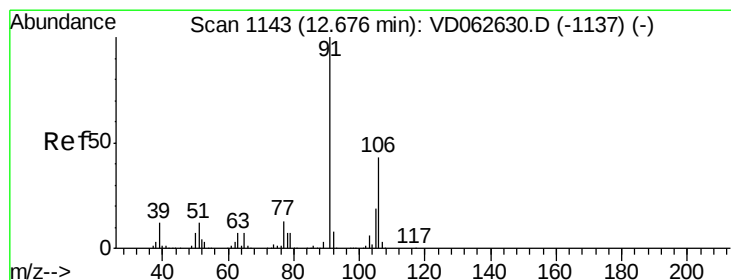
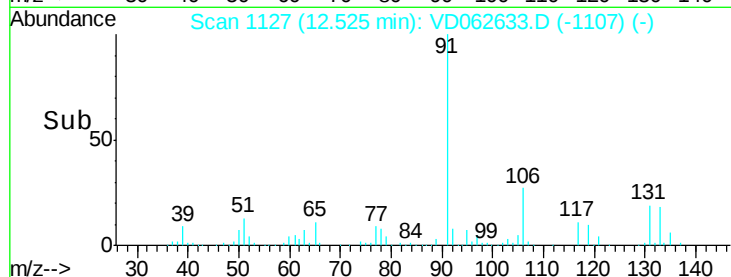
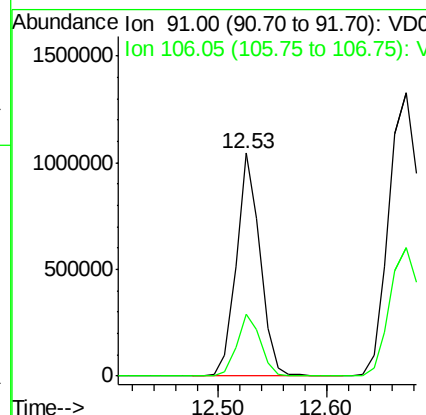
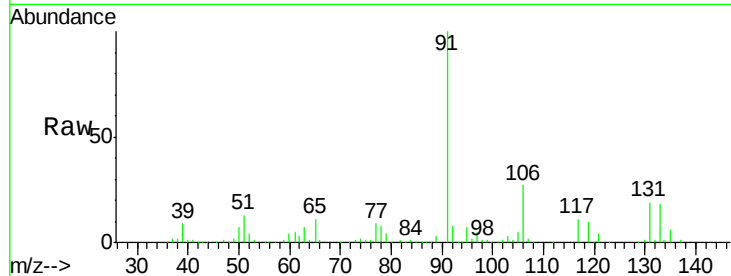




#67
Ethyl Benzene
Concen: 48.849 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

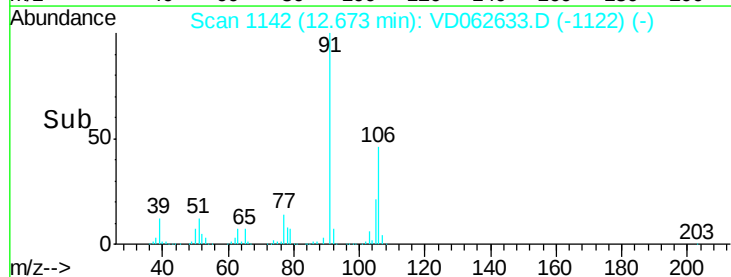
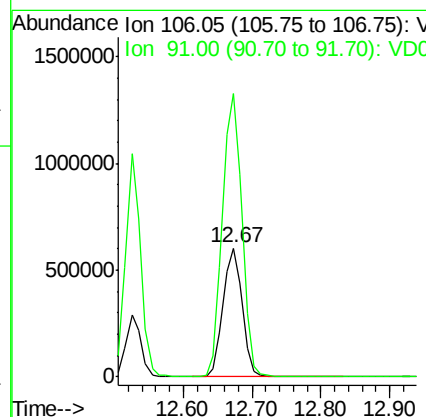
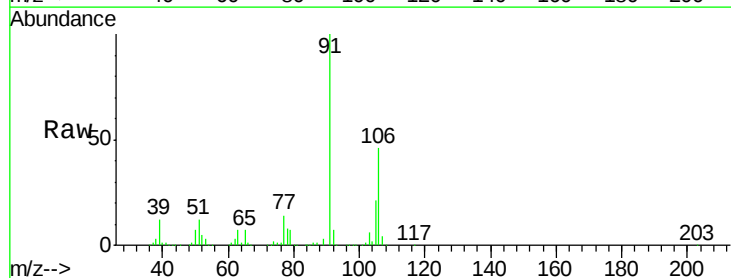
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

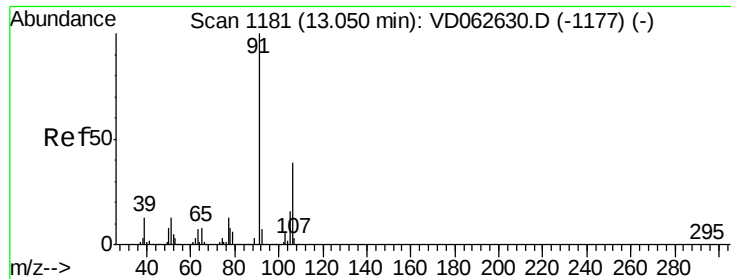
Tot Ion: 91 Resp: 1586643
Ion Ratio Lower Upper
91 100
106 27.5 22.2 33.2



#68
m/p-Xylenes
Concen: 100.500 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion: 106 Resp: 1161787
Ion Ratio Lower Upper
106 100
91 219.5 184.7 277.1

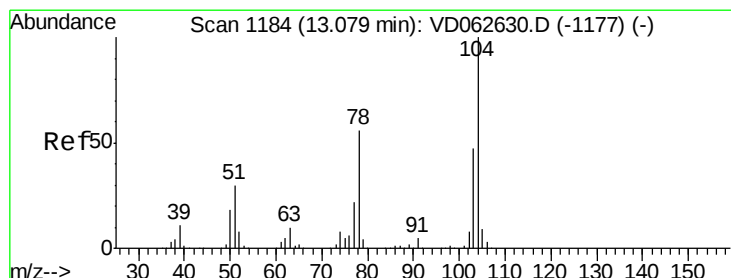
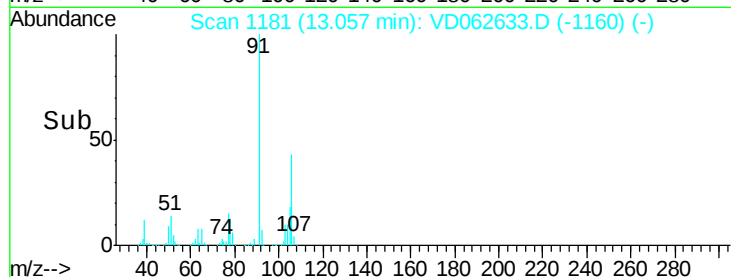
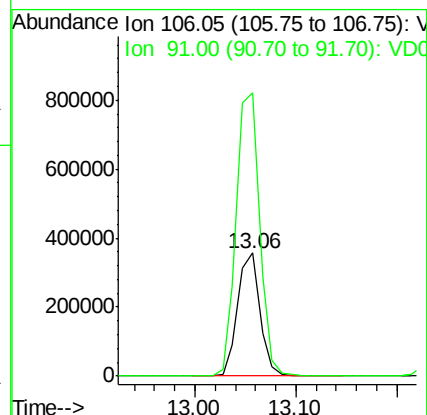
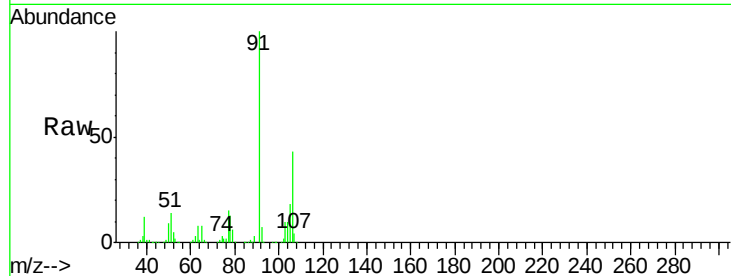




#69
o-Xylene
Concen: 50.817 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

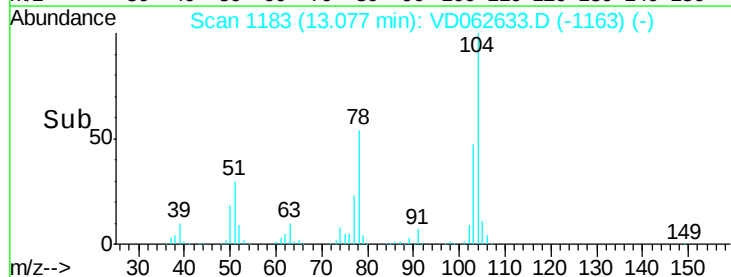
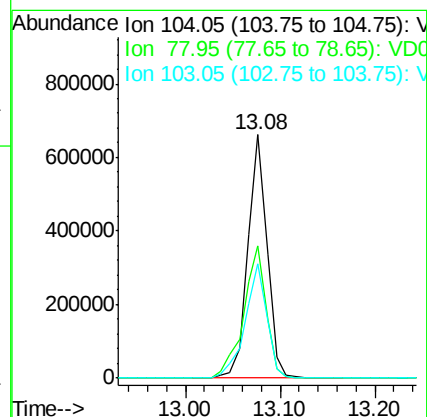
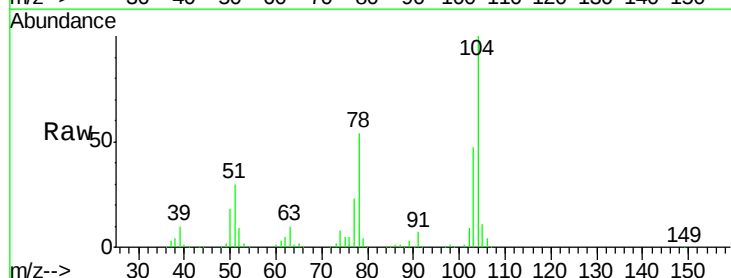
Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

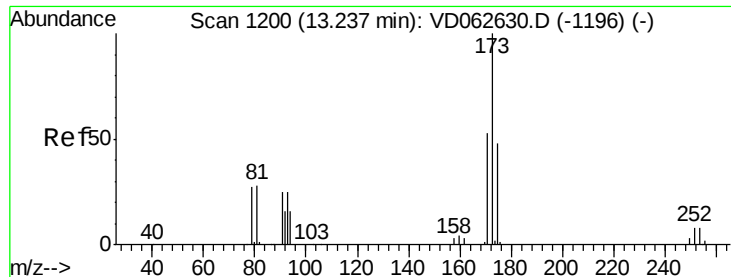
Tot Ion:106 Resp: 551503
Ion Ratio Lower Upper
106 100
91 230.1 127.0 380.9



#70
Styrene
Concen: 50.560 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion:104 Resp: 925608
Ion Ratio Lower Upper
104 100
78 54.3 44.4 66.6
103 47.1 37.4 56.0





#71

Bromoform

Concen: 49.426 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

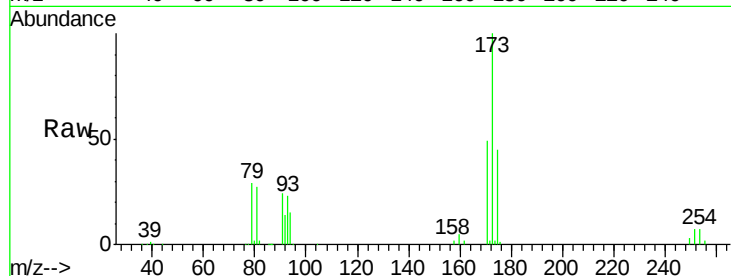
Tot Ion:173 Resp: 308645

Ion Ratio Lower Upper

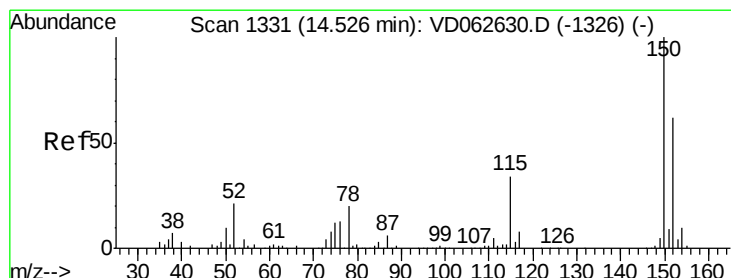
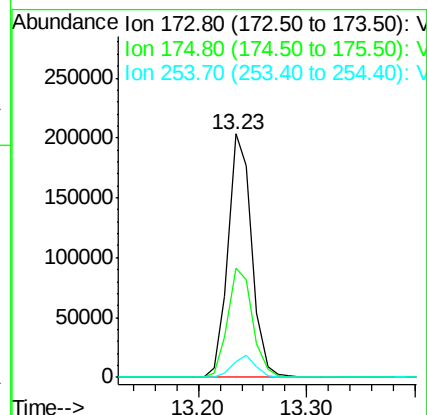
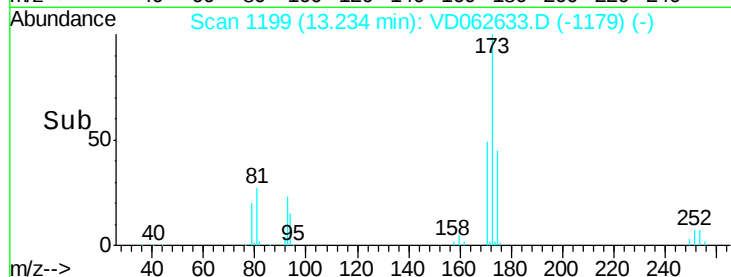
173 100

175 44.9 23.9 71.8

254 6.7 6.2 9.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

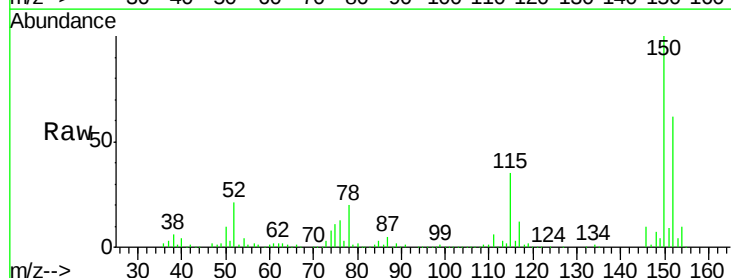
Tgt Ion:152 Resp: 474985

Ion Ratio Lower Upper

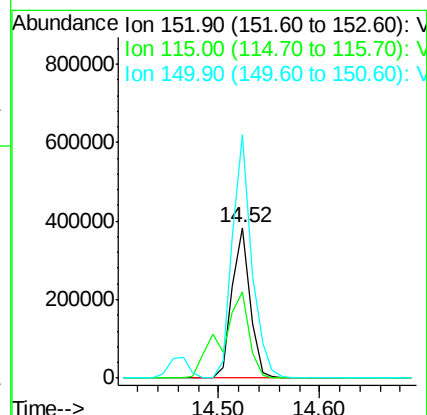
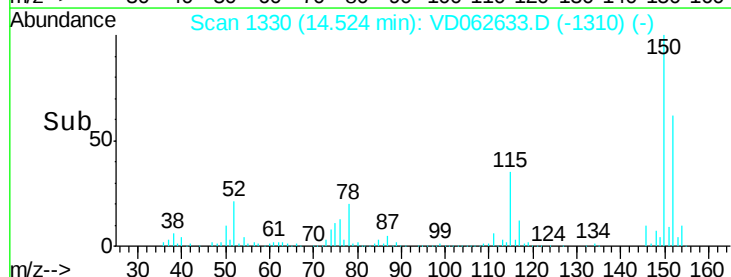
152 100

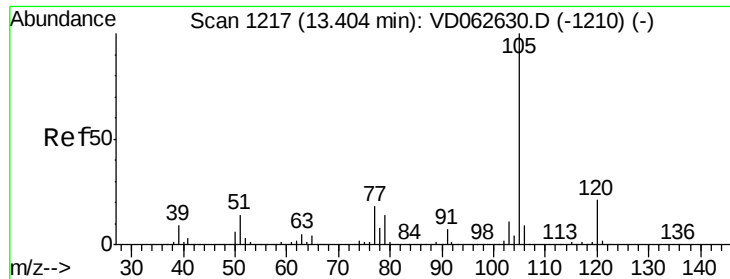
115 56.9 28.7 86.1

150 161.9 0.0 328.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.905 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

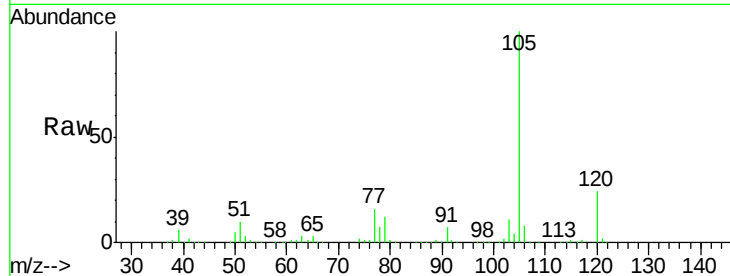
ICVVD060619

Tot Ion:105 Resp: 1718109

Ion Ratio Lower Upper

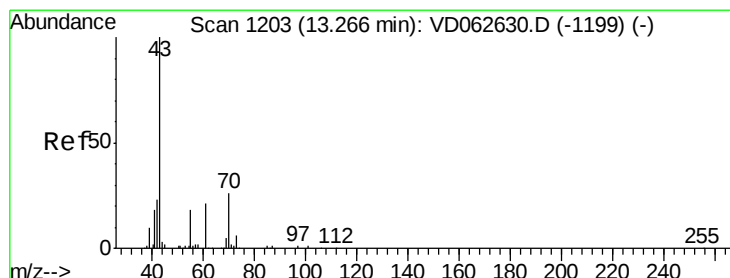
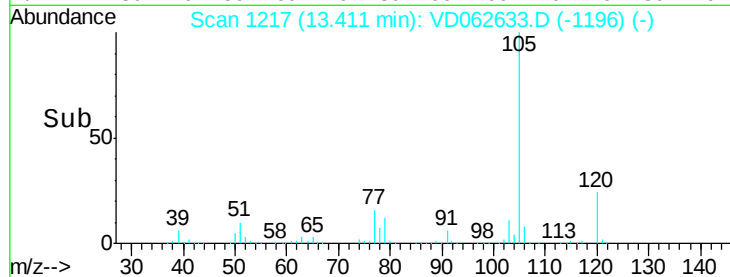
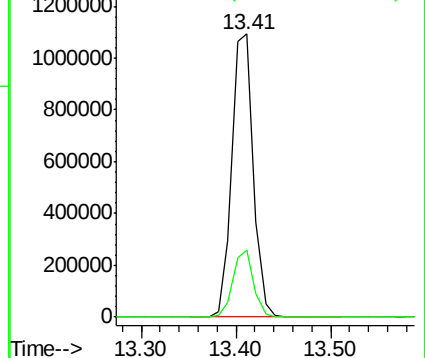
105 100

120 23.7 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.010 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Tgt Ion: 43 Resp: 450565

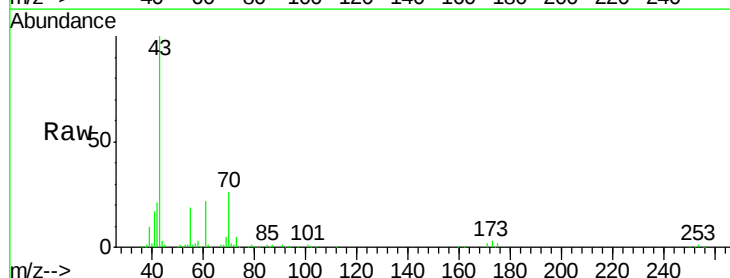
Ion Ratio Lower Upper

43 100

70 25.9 21.0 31.6

55 18.8 14.6 21.8

61 21.9 16.5 24.7

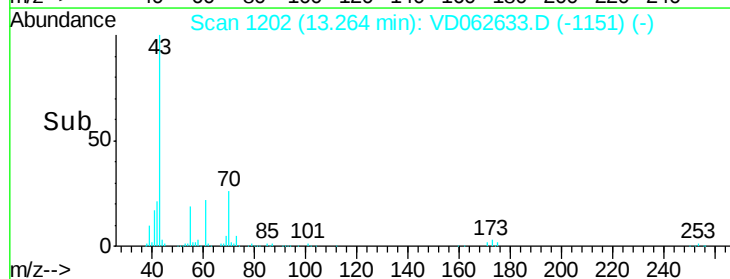
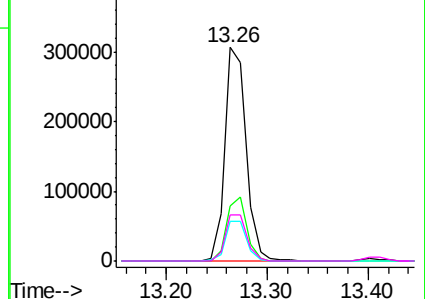


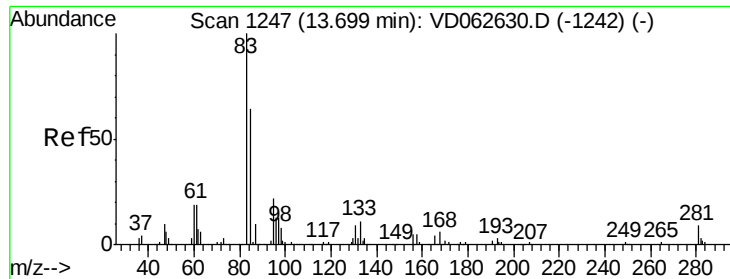
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.973 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

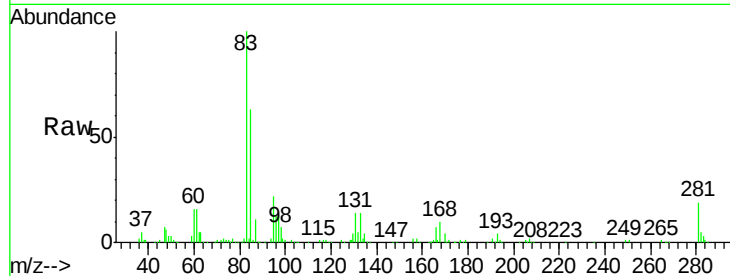
Tot Ion: 83 Resp: 301435

Ion Ratio Lower Upper

83 100

131 14.2 4.6 13.8#

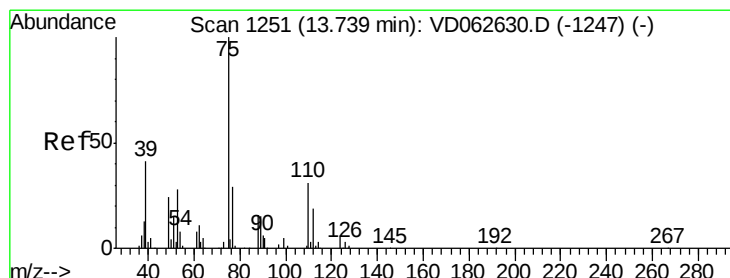
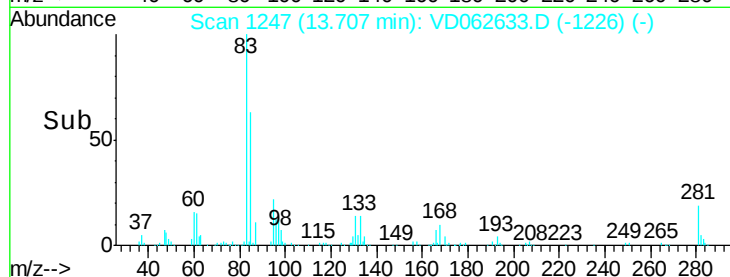
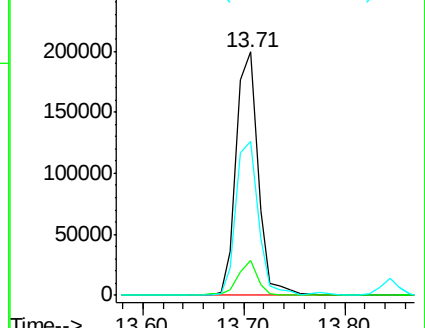
85 63.0 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.463 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062633.D

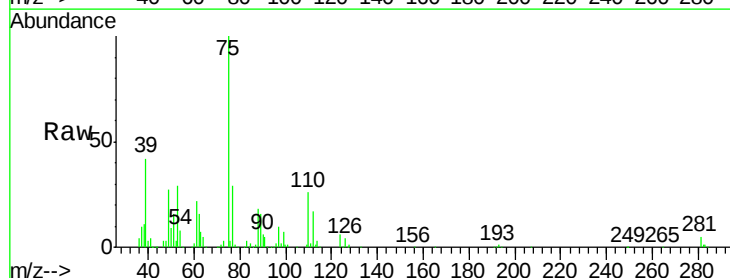
Acq: 6 Jun 2019 19:36

Tgt Ion: 75 Resp: 347376

Ion Ratio Lower Upper

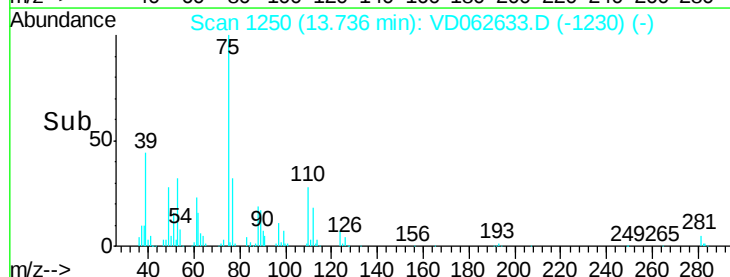
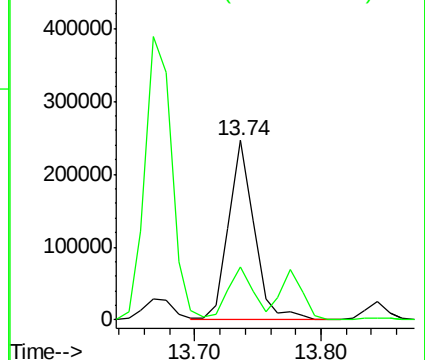
75 100

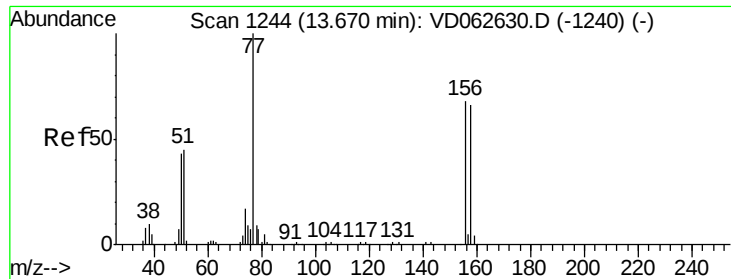
77 29.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.073 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

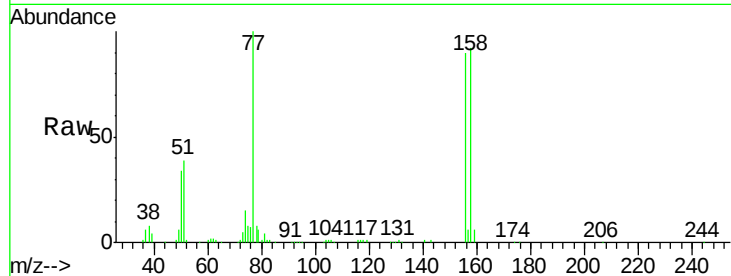
Tot Ion:156 Resp: 444562

Ion Ratio Lower Upper

156 100

77 110.5 73.5 220.3

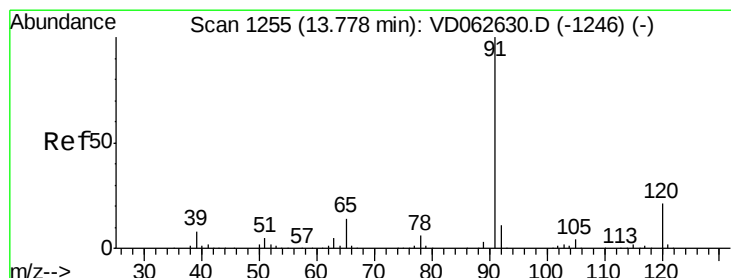
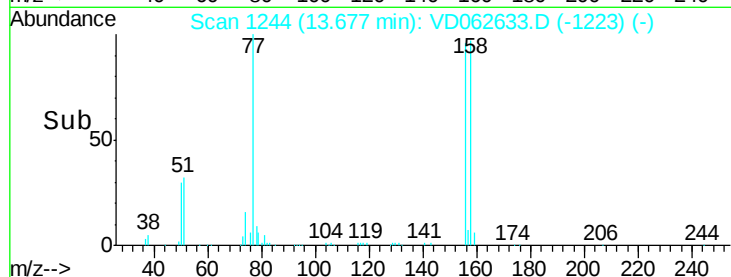
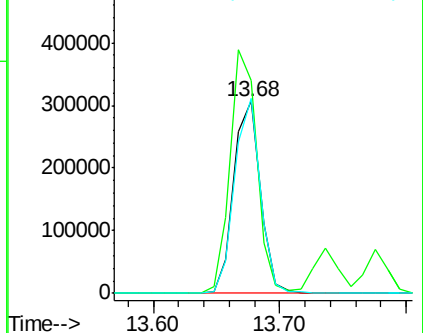
158 101.3 48.2 144.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.161 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062633.D

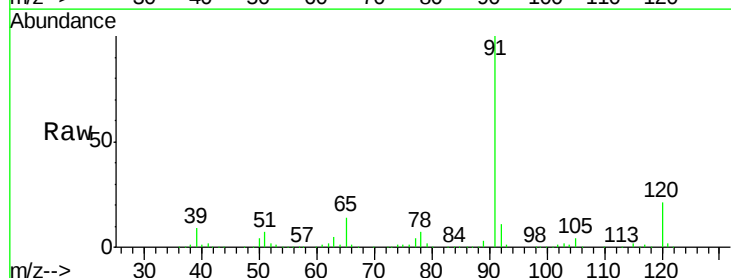
Acq: 6 Jun 2019 19:36

Tgt Ion: 91 Resp: 1999356

Ion Ratio Lower Upper

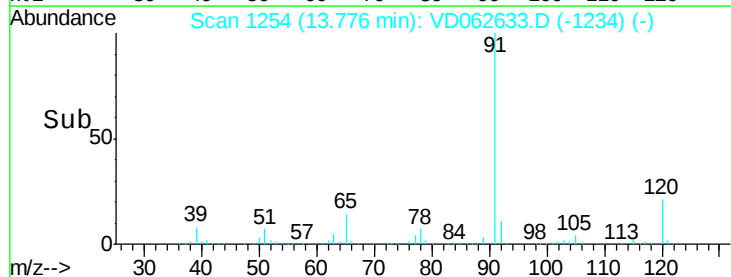
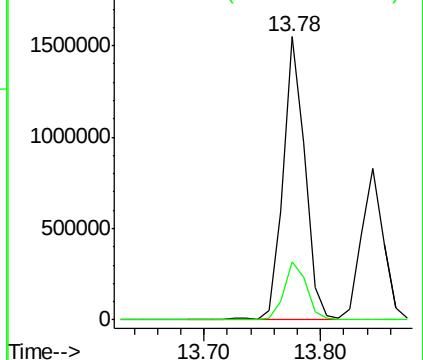
91 100

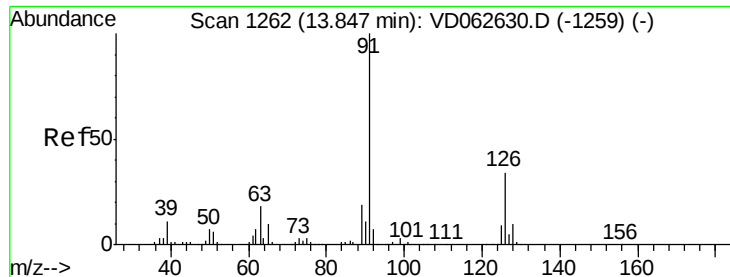
120 20.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.533 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

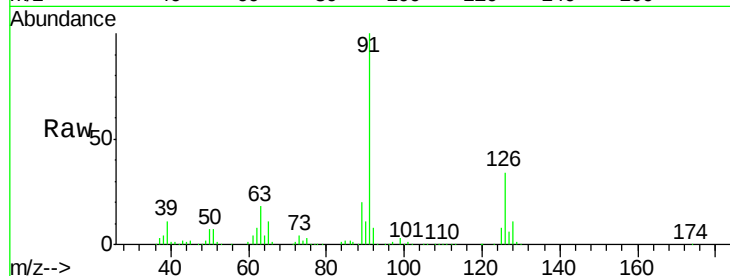
ICVVD060619

Tot Ion: 91 Resp: 1083575

Ion Ratio Lower Upper

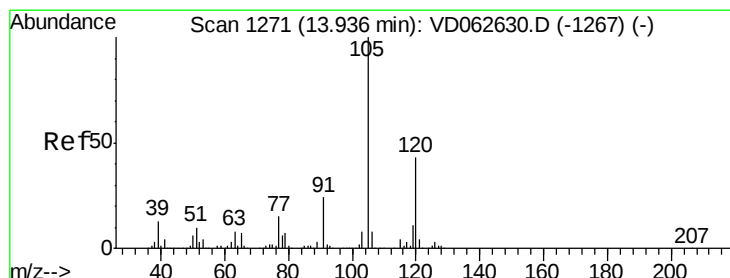
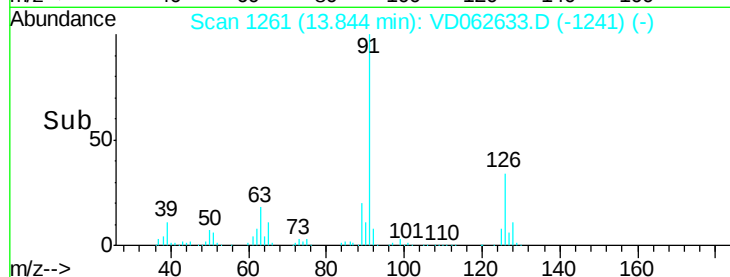
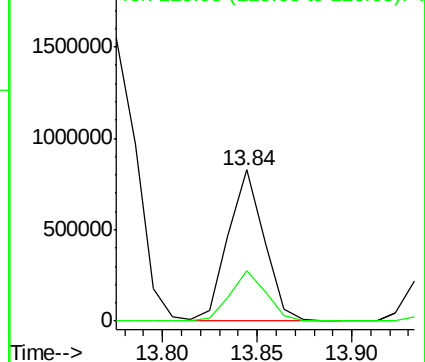
91 100

126 33.7 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VD062633.D (-1241) (-)

Ion 125.95 (125.65 to 126.65): VD062633.D (-1241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.978 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062633.D

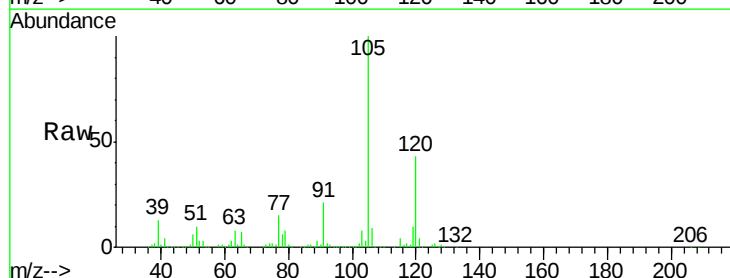
Acq: 6 Jun 2019 19:36

Tgt Ion: 105 Resp: 1477402

Ion Ratio Lower Upper

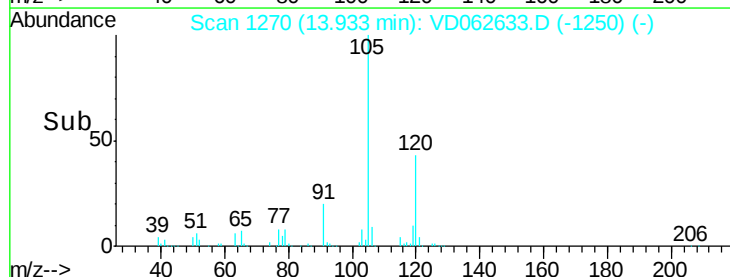
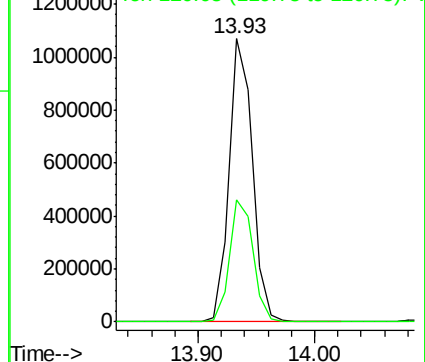
105 100

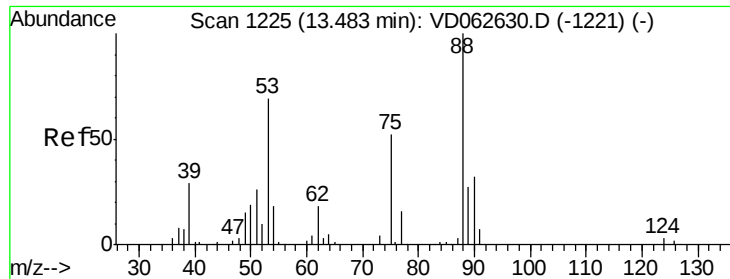
120 43.0 21.3 64.0



Abundance Ion 105.05 (104.75 to 105.75): VD062633.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD062633.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.161 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

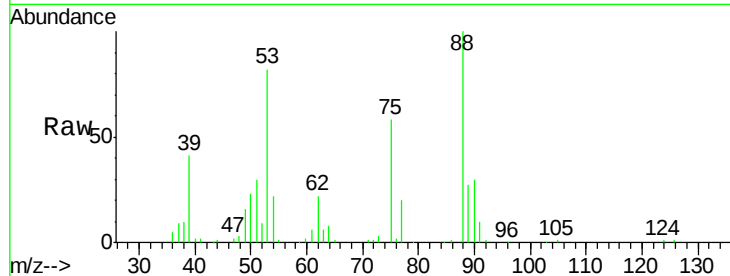
Tot Ion: 75 Resp: 86173

Ion Ratio Lower Upper

75 100

53 141.0 105.6 158.4

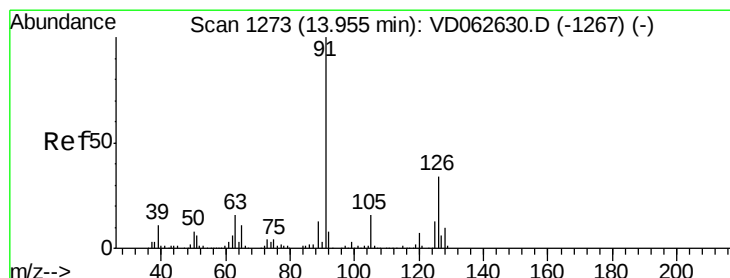
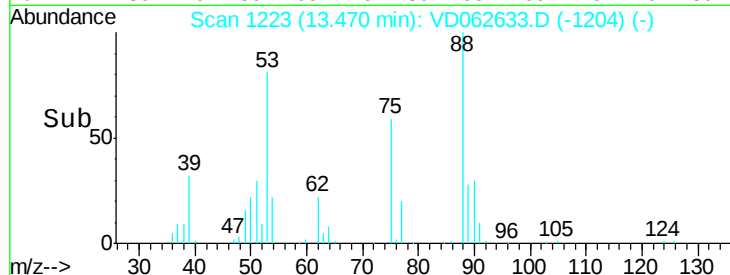
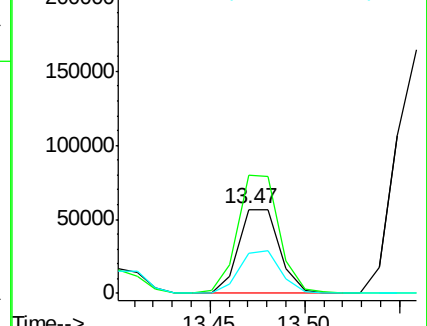
89 47.0 40.9 61.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 47.505 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062633.D

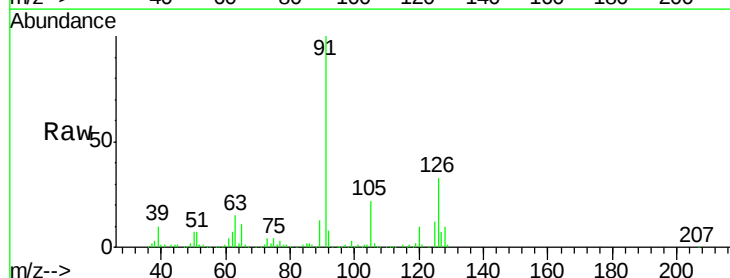
Acq: 6 Jun 2019 19:36

Tgt Ion: 91 Resp: 1401075

Ion Ratio Lower Upper

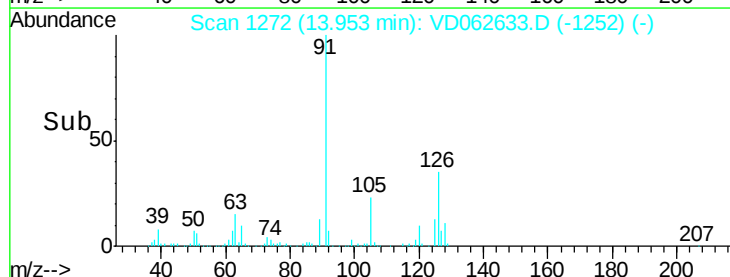
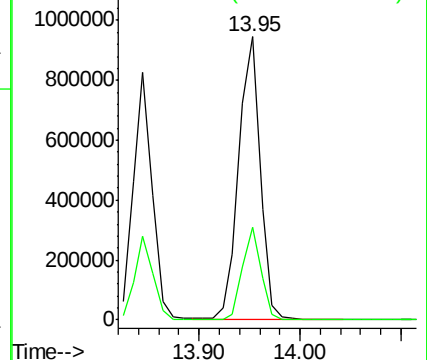
91 100

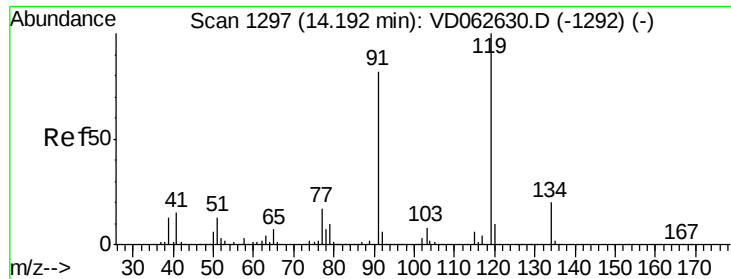
126 32.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

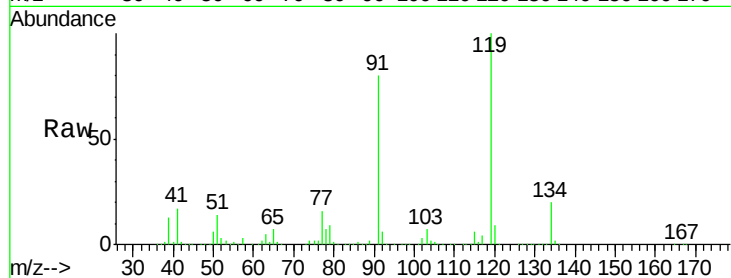




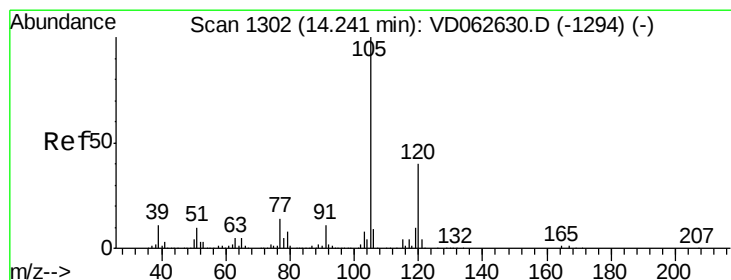
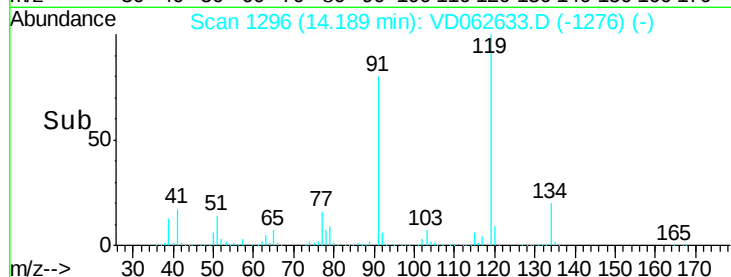
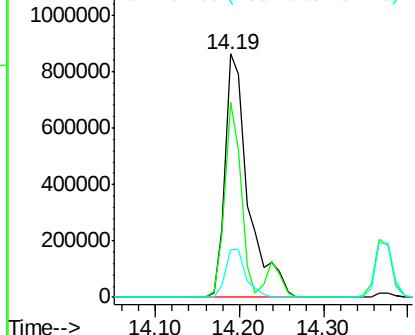
#83
tert-Butylbenzene
Concen: 49.327 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :
ICVVD060619

Tot Ion:119 Resp: 1661427
Ion Ratio Lower Upper
119 100
91 80.3 40.8 122.5
134 19.9 10.3 30.8

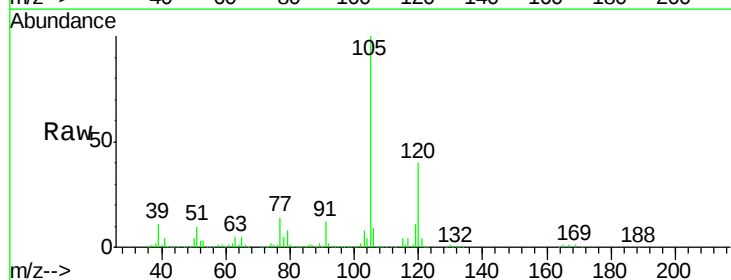


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

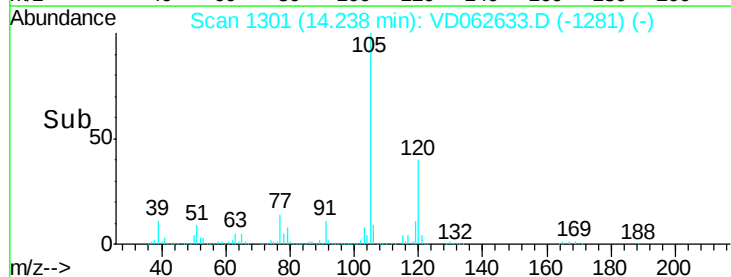
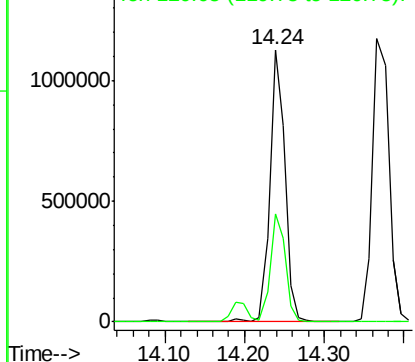


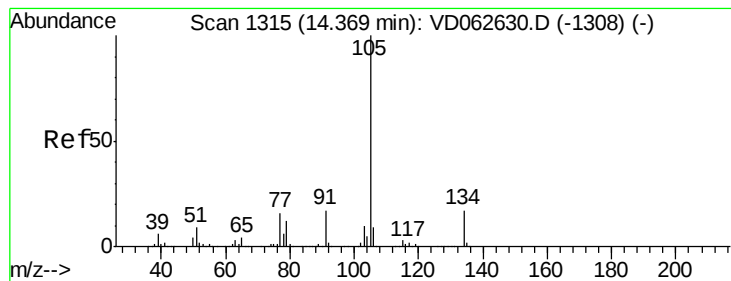
#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062633.D
Acq: 6 Jun 2019 19:36

Tgt Ion:105 Resp: 1479188
Ion Ratio Lower Upper
105 100
120 39.8 20.0 59.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 47.425 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

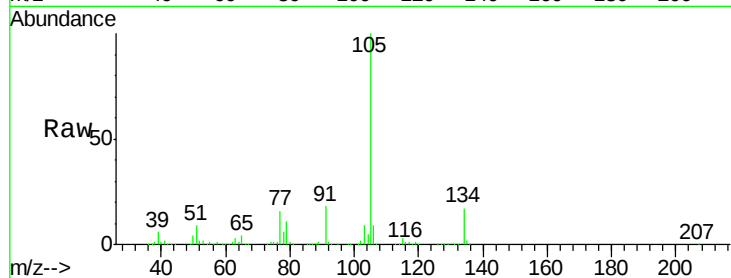
ICVVD060619

Tot Ion:105 Resp: 1658604

Ion Ratio Lower Upper

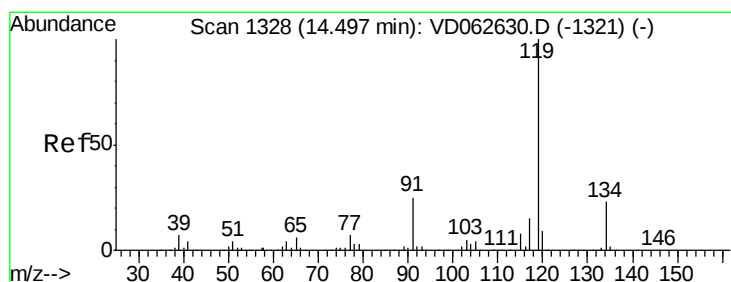
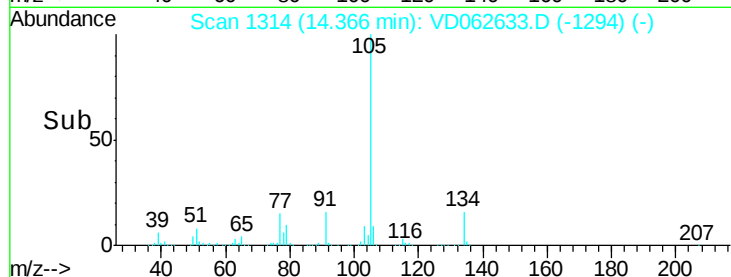
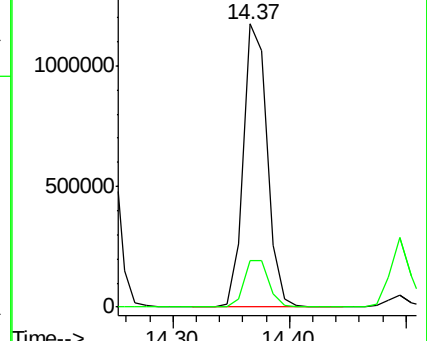
105 100

134 16.5 8.5 25.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 46.849 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

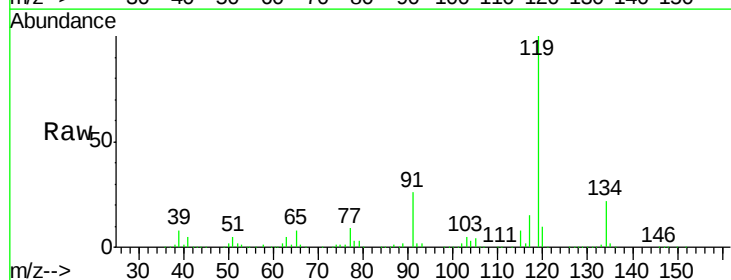
Tgt Ion:119 Resp: 1582074

Ion Ratio Lower Upper

119 100

134 21.7 11.3 33.8

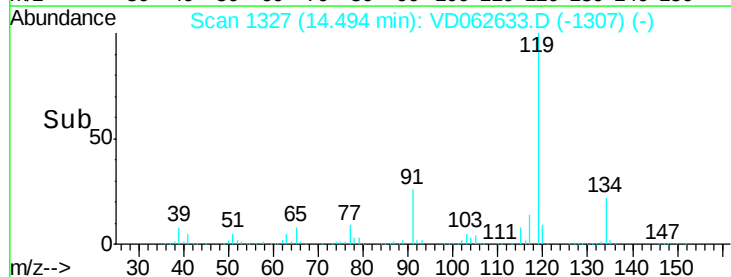
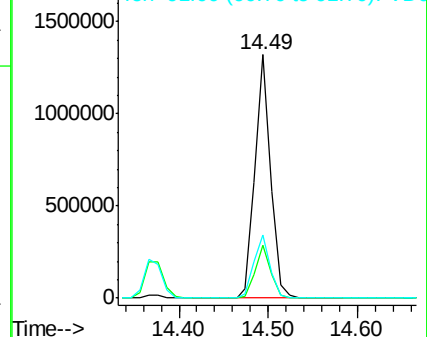
91 26.0 12.8 38.3

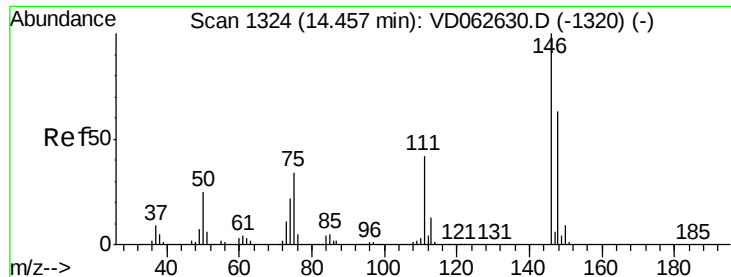


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

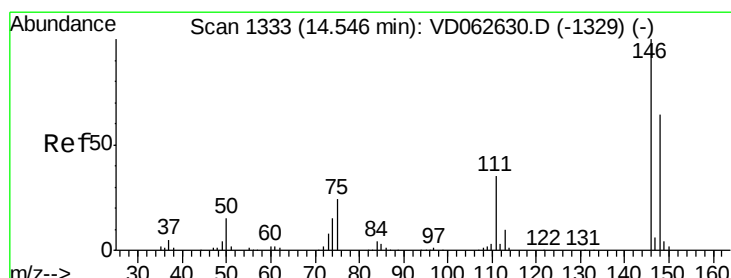
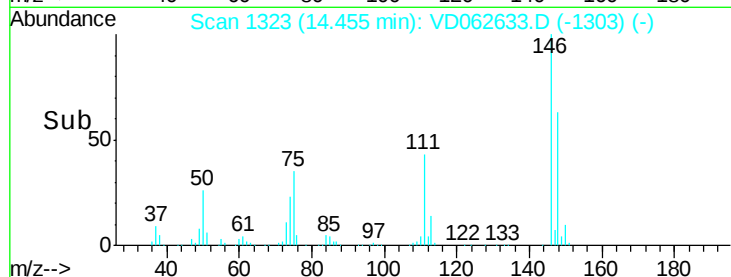
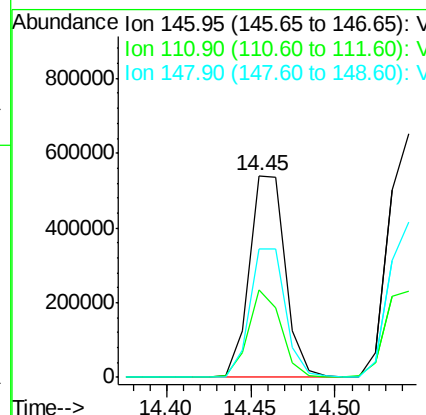
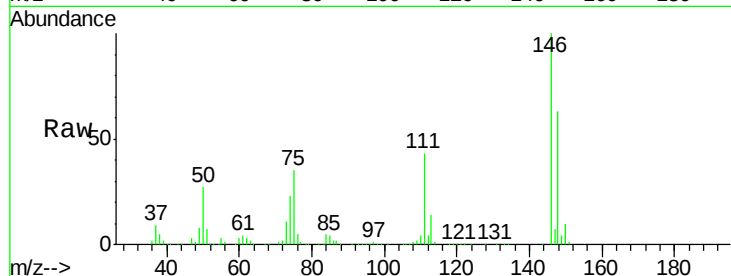




#87
 1,3-Dichlorobenzene
 Concen: 46.277 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

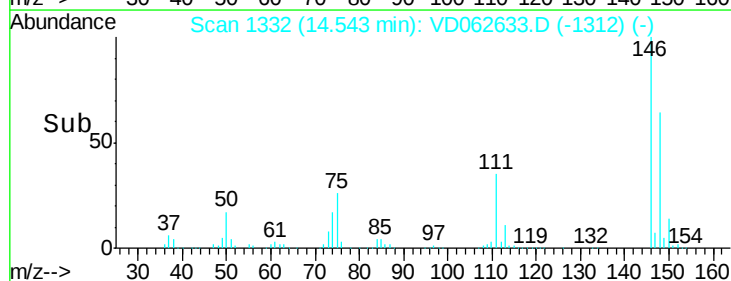
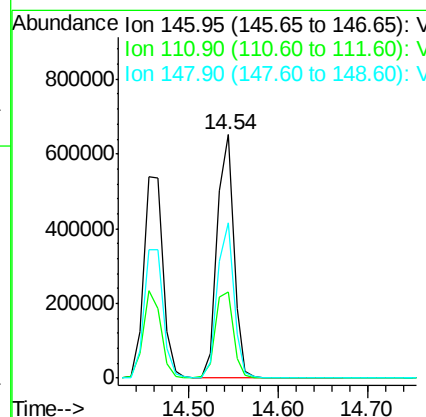
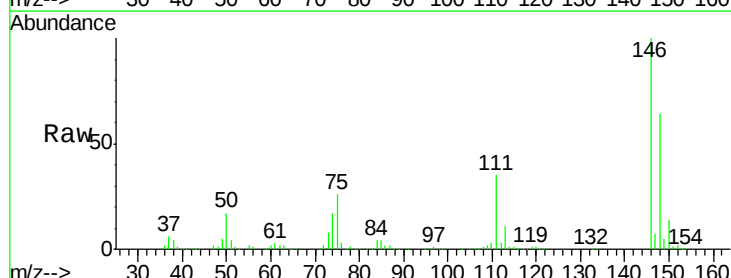
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

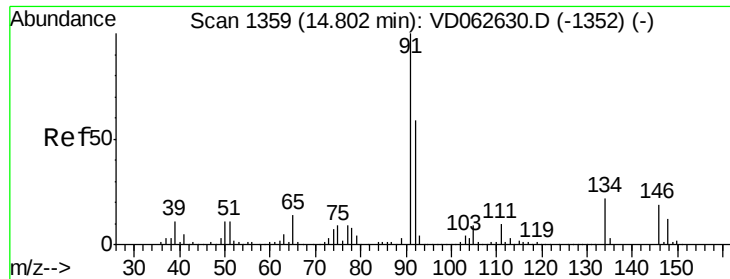
Tot Ion:146 Resp: 797302
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.8 62.5
 148 63.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 51.399 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion:146 Resp: 849425
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.5 52.6
 148 64.0 31.9 95.7





#89

n-Butylbenzene

Concen: 50.827 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

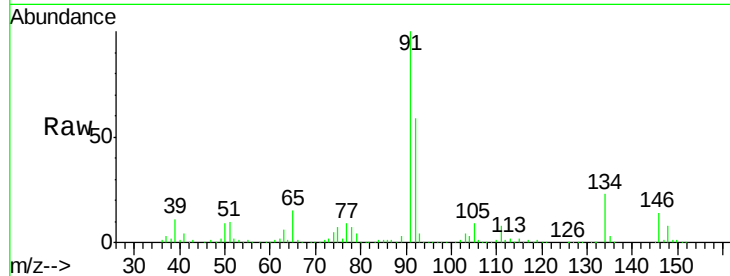
Tot Ion: 91 Resp: 1556766

Ion Ratio Lower Upper

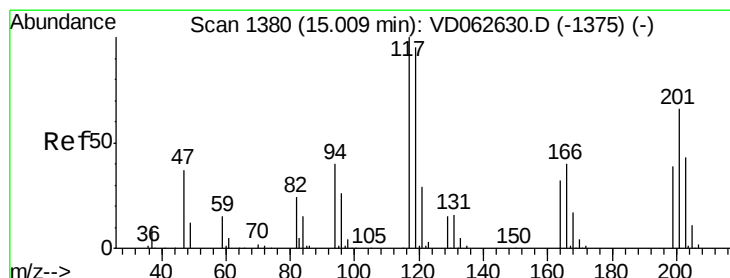
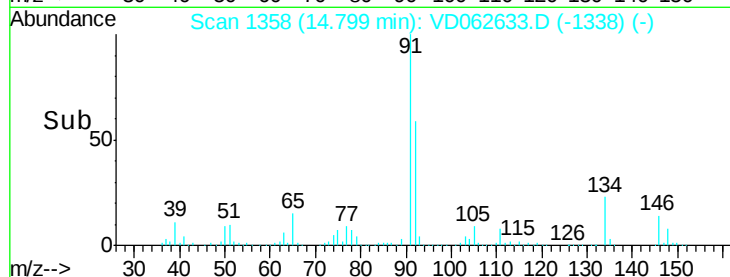
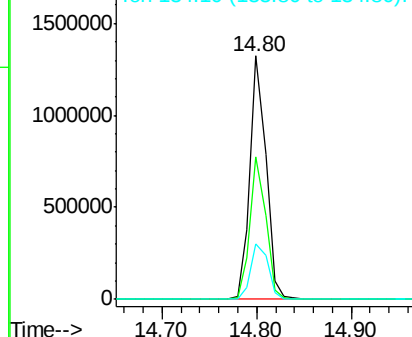
91 100

92 58.6 29.3 87.8

134 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 50.156 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062633.D

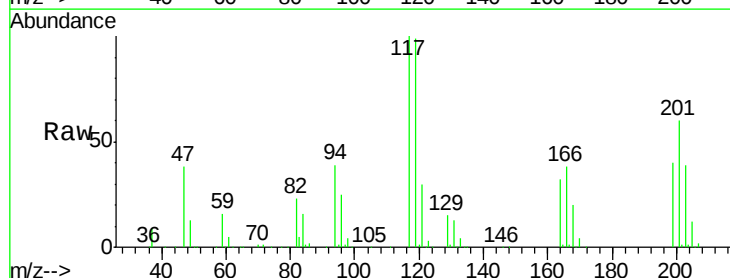
Acq: 6 Jun 2019 19:36

Tgt Ion: 117 Resp: 435086

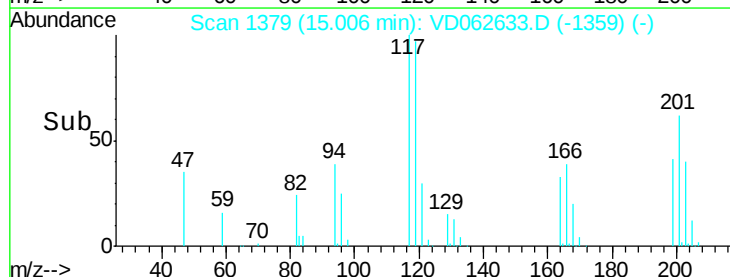
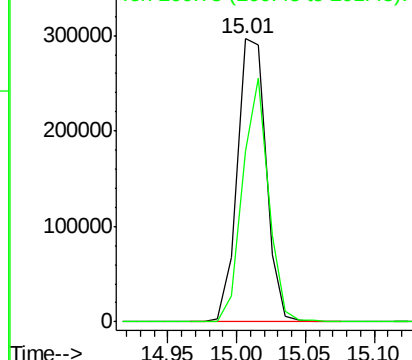
Ion Ratio Lower Upper

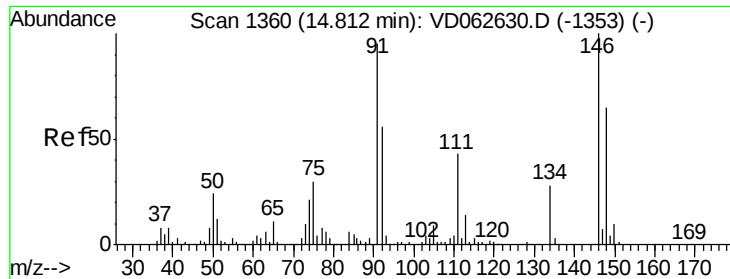
117 100

201 60.4 32.8 98.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

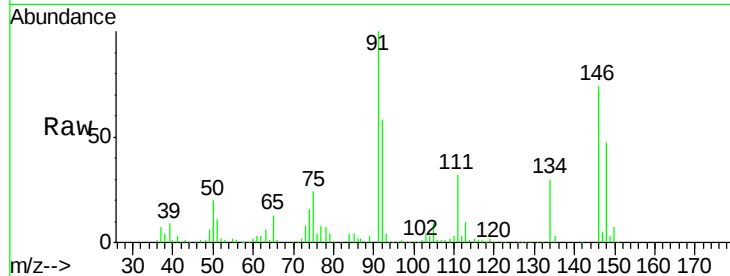




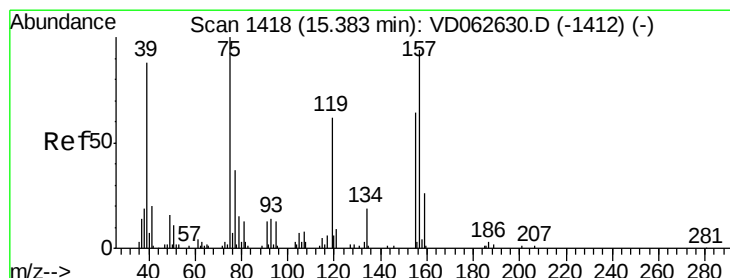
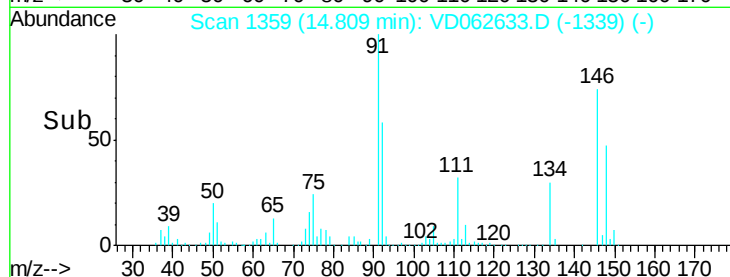
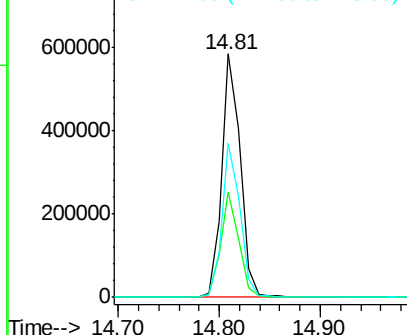
#91
 1,2-Dichlorobenzene
 Concen: 50.365 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

Tot Ion:146 Resp: 749021
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.4 64.3
 148 63.1 32.6 98.0

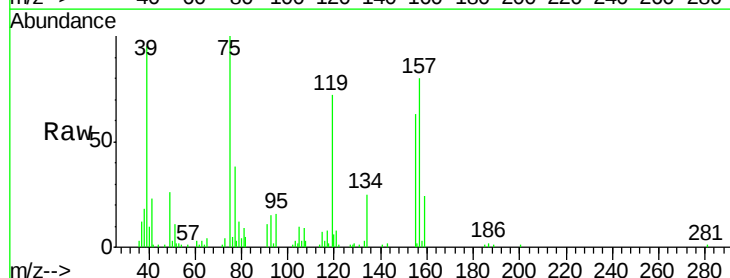


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

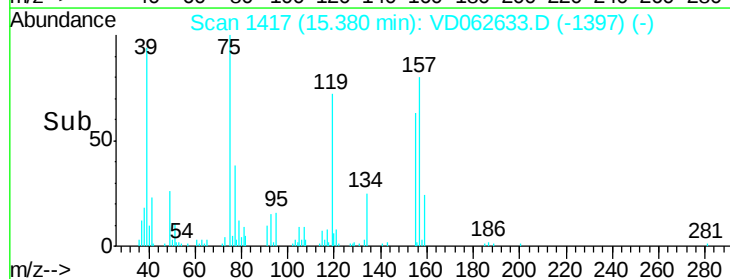
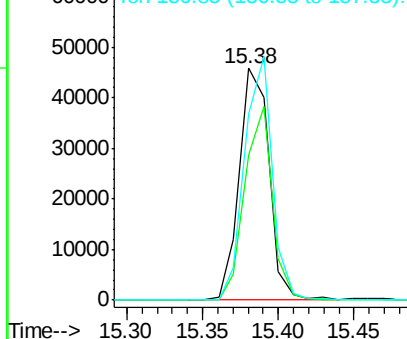


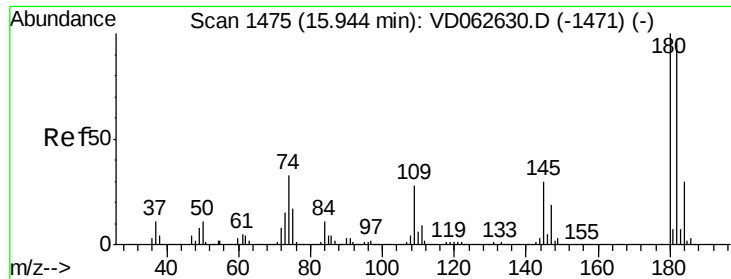
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.361 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion: 75 Resp: 62561
 Ion Ratio Lower Upper
 75 100
 155 62.9 32.2 96.6
 157 80.2 47.0 141.0



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

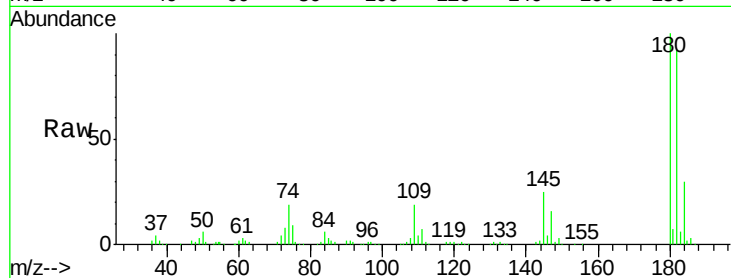




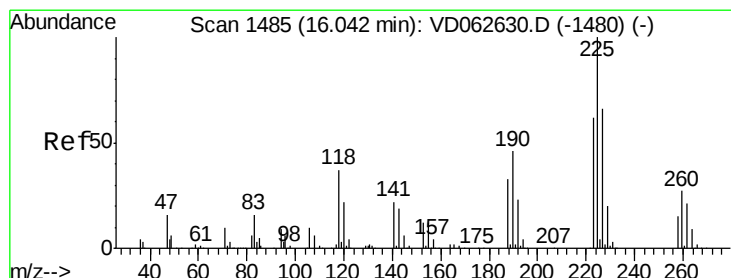
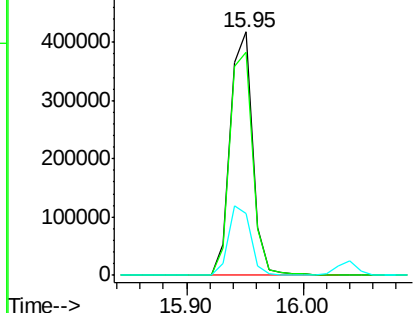
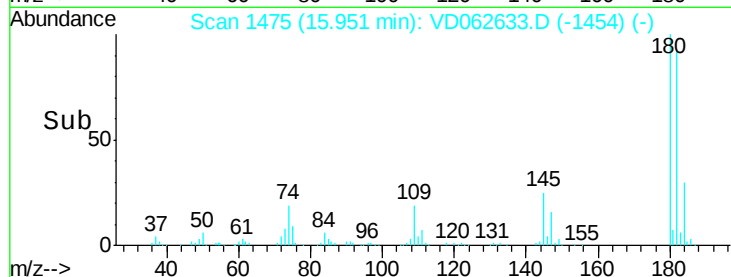
#93
 1,2,4-Trichlorobenzene
 Concen: 49.156 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060619

Tot Ion:180 Resp: 558846
 Ion Ratio Lower Upper
 180 100
 182 91.7 48.0 144.2
 145 25.3 15.2 45.6

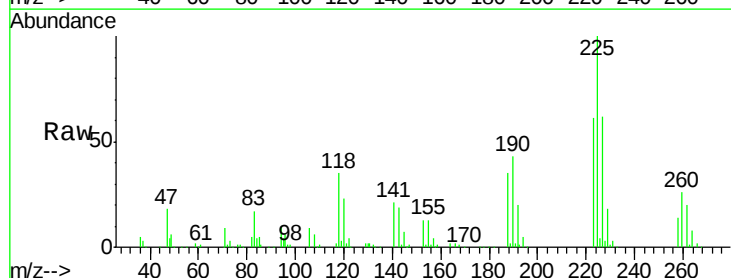


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

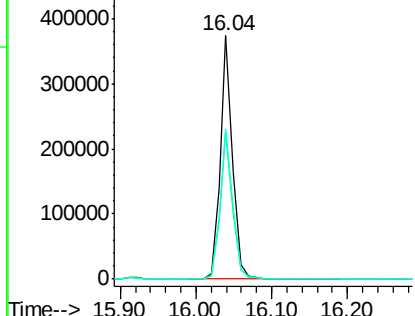
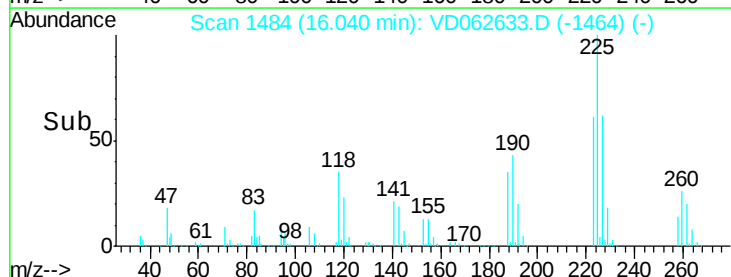


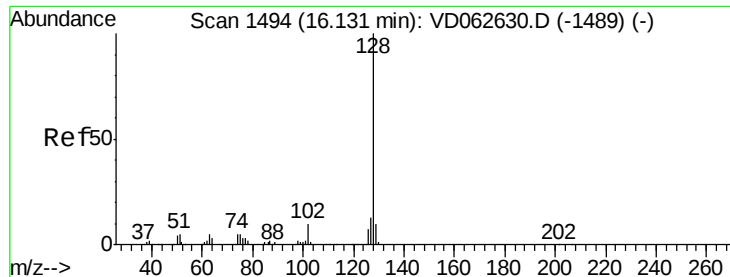
#94
 Hexachlorobutadiene
 Concen: 49.400 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062633.D
 Acq: 6 Jun 2019 19:36

Tgt Ion:225 Resp: 428209
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.9 92.7
 227 61.6 32.9 98.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 52.177 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

ICVVD060619

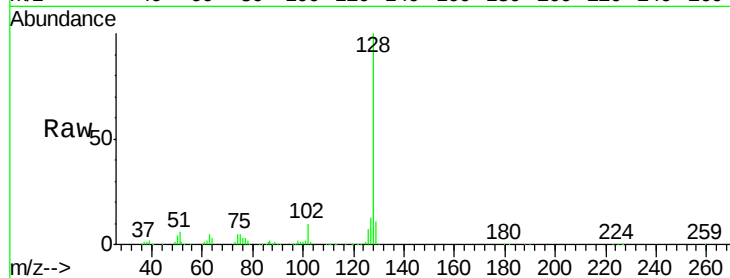
Tot Ion:128 Resp: 803705

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

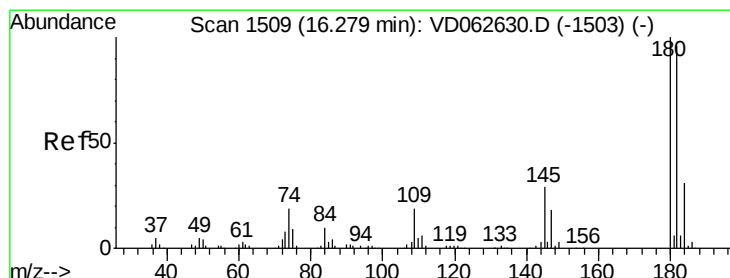
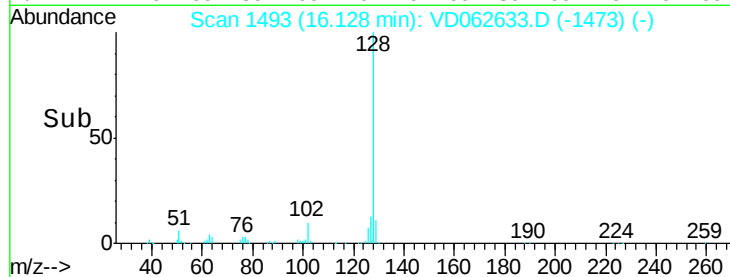
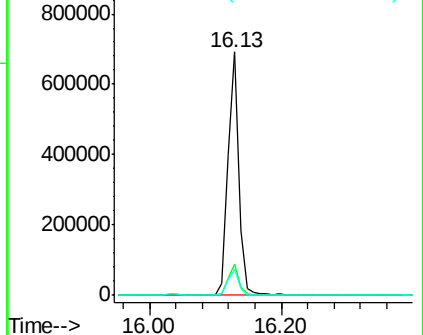
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.718 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062633.D

Acq: 6 Jun 2019 19:36

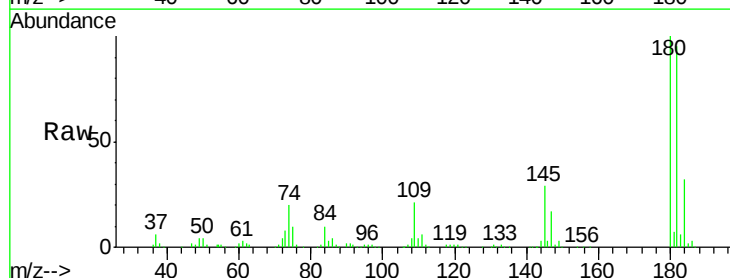
Tgt Ion:180 Resp: 440727

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.2

145 28.8 14.4 43.2



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

