

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061971.D
 Acq On : 23 Apr 2019 15:29
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

Quant Time: Apr 23 15:54:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	538461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	913695	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	811408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	360770	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	224292	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	6.92	113	324453	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	10.41	98	882158	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	
62) 4-Bromofluorobenzene	13.56	95	335849	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	251688	52.347	ug/l	99
3) Chloromethane	1.75	50	194698	47.644	ug/l	98
4) Vinyl Chloride	1.85	62	184688	49.863	ug/l	99
5) Bromomethane	2.14	94	60115	66.137	ug/l	89
6) Chloroethane	2.27	64	71881	53.688	ug/l	100
7) Trichlorofluoromethane	2.52	101	288200	51.462	ug/l	97
8) Diethyl Ether	2.87	74	75870	50.548	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	258534	50.115	ug/l	96
10) Methyl Iodide	3.30	142	361310	46.408	ug/l	98
11) Tert butyl alcohol	4.06	59	59617	250.376	ug/l	99
12) 1,1-Dichloroethene	3.12	96	222306	50.650	ug/l	97
13) Acrolein	3.04	56	67194	271.980	ug/l	94
14) Allyl chloride	3.62	41	310278	51.771	ug/l	98
15) Acrylonitrile	4.19	53	179220	243.070	ug/l	92
16) Acetone	3.21	43	292860	291.041	ug/l	99
17) Carbon Disulfide	3.37	76	665303	52.456	ug/l	99
18) Methyl Acetate	3.64	43	91112	49.923	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	411566	47.261	ug/l	97
20) Methylene Chloride	3.81	84	242530	49.476	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	240227	47.711	ug/l	98
22) Diisopropyl ether	5.11	45	639571	45.708	ug/l	99
23) Vinyl Acetate	5.05	43	1683412	231.021	ug/l	99
24) 1,1-Dichloroethane	4.99	63	383415	45.336	ug/l	100
25) 2-Butanone	6.06	43	300040	245.934	ug/l	98
26) 2,2-Dichloropropane	6.02	77	363063	49.209	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	269161	46.991	ug/l	92
28) Bromochloromethane	6.43	49	162600	50.248	ug/l	93
29) Tetrahydrofuran	6.45	42	128568	213.878	ug/l	97
30) Chloroform	6.66	83	458520	47.733	ug/l	97
31) Cyclohexane	6.95	56	290400	46.261	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	389349	46.584	ug/l	98
36) 1,1-Dichloropropene	7.14	75	332967	46.774	ug/l	96
37) Ethyl Acetate	6.18	43	126628	41.743	ug/l	95
38) Carbon Tetrachloride	7.11	117	400827	44.435	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	331238	47.162	ug/l	97
40) Benzene	7.46	78	777790	44.134	ug/l	98
41) Methacrylonitrile	6.44	41	151846	42.901	ug/l	94
42) 1,2-Dichloroethane	7.58	62	262261	43.829	ug/l	97
43) Isopropyl Acetate	9.24	43	190631	43.009	ug/l #	99
44) Trichloroethene	8.54	130	309661	45.323	ug/l	97
45) 1,2-Dichloropropane	8.94	63	198172	44.325	ug/l	98
46) Dibromomethane	9.06	93	146037	45.395	ug/l	98
47) Bromodichloromethane	9.38	83	330537	43.484	ug/l	99
48) Methyl methacrylate	9.12	41	114605	45.318	ug/l	95
49) 1,4-Dioxane	9.08	88	27215	998.171	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	691075	254.947	ug/l	98
52) Toluene	10.51	92	579009	51.527	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	320232	50.190	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	368606	47.499	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	185128	49.073	ug/l	96
56) Ethyl methacrylate	11.04	69	194124	46.461	ug/l	100
57) 1,3-Dichloropropane	11.41	76	262744	45.094	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	517149	266.221	ug/l	97
59) 2-Hexanone	11.53	43	515978	253.753	ug/l	99
60) Dibromochloromethane	11.69	129	311504	49.904	ug/l	100
61) 1,2-Dibromoethane	11.81	107	217072	48.507	ug/l	99
64) Tetrachloroethene	11.26	164	238885	41.271	ug/l	98
65) Chlorobenzene	12.40	112	652446	42.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	278694	42.851	ug/l	98
67) Ethyl Benzene	12.53	91	1080702	43.183	ug/l	100
68) m/p-Xylenes	12.67	106	790003	87.341	ug/l	96
69) o-Xylene	13.05	106	356871	43.122	ug/l	97
70) Styrene	13.08	104	617279	43.197	ug/l	99
71) Bromoform	13.23	173	160227	43.212	ug/l	98
73) Isopropylbenzene	13.40	105	969409	40.282	ug/l	99
74) N-amyl acetate	13.26	43	244494	39.448	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	205213	43.514	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	215950	47.138	ug/l	100
77) Bromobenzene	13.67	156	300451	43.520	ug/l	85
78) n-propylbenzene	13.78	91	1322080	47.989	ug/l	98
79) 2-Chlorotoluene	13.85	91	721168	43.217	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	922428	48.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	66471	47.880	ug/l	90
82) 4-Chlorotoluene	13.95	91	852170	46.371	ug/l	99
83) tert-Butylbenzene	14.19	119	1001462	45.051	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	895479	48.873	ug/l	99
85) sec-Butylbenzene	14.37	105	954022	39.719	ug/l	98
86) p-Isopropyltoluene	14.50	119	958237	44.576	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	557828	46.141	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	472491	41.790	ug/l	94
89) n-Butylbenzene	14.80	91	926471	48.006	ug/l	97
90) Hexachloroethane	15.01	117	275276	47.357	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	471076	47.237	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26798	39.069	ug/l	96

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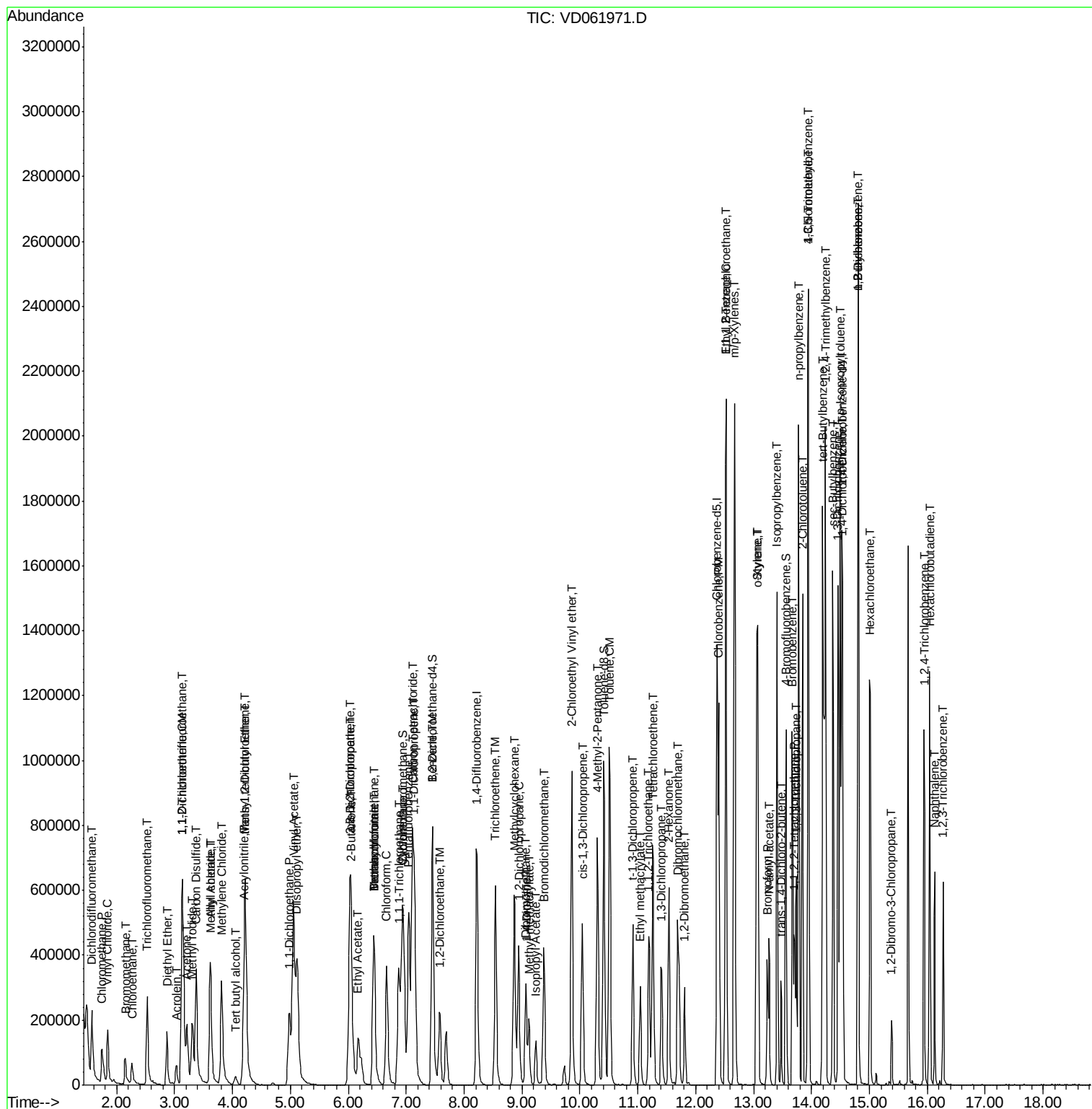
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	294176	54.671	ug/l	95
94) Hexachlorobutadiene	16.04	225	214500	53.868	ug/l	97
95) Naphthalene	16.13	128	435074	50.078	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	186003	60.925	ug/l	96

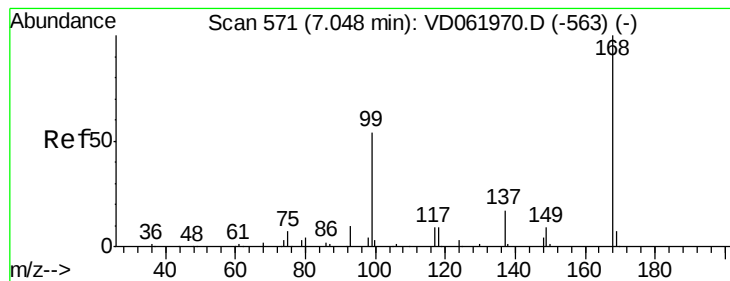
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

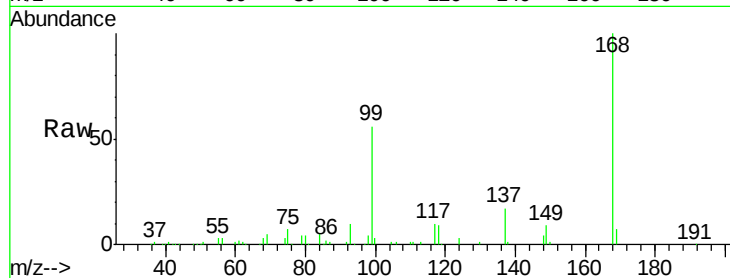
ICVVD042319

Tot Ion:168 Resp: 538461

Ion Ratio Lower Upper

168 100

99 56.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

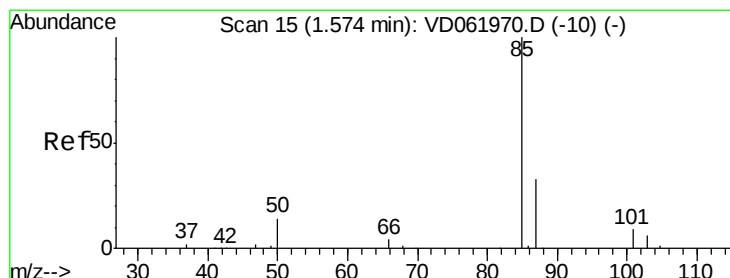
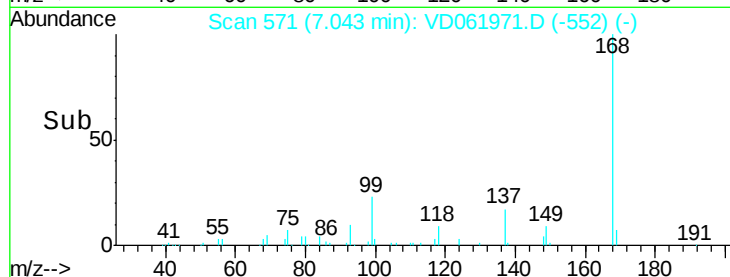
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 52.347 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD061971.D

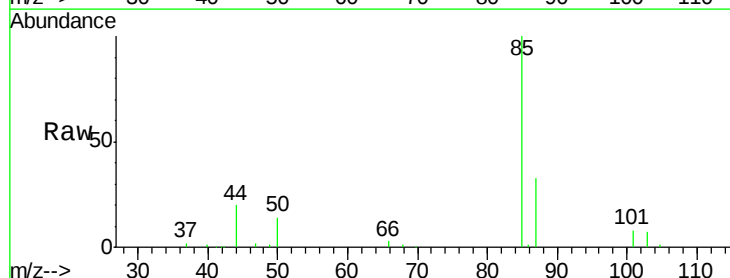
Acq: 23 Apr 2019 15:29

Tgt Ion: 85 Resp: 251688

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

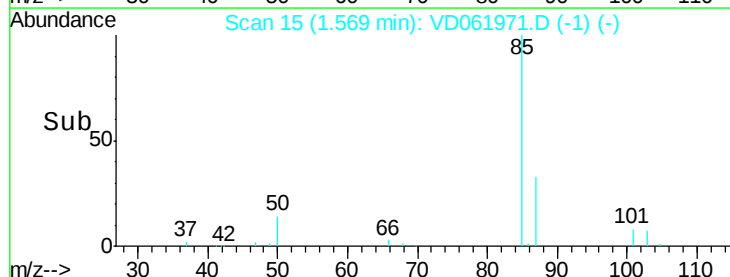
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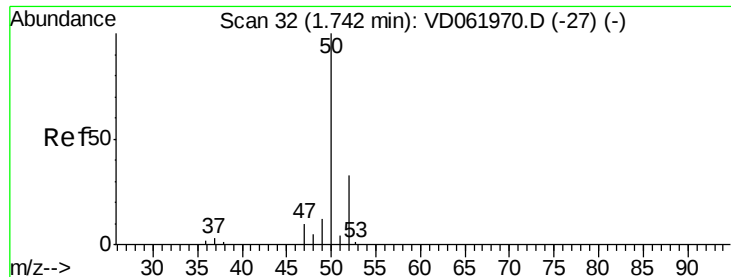
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.644 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

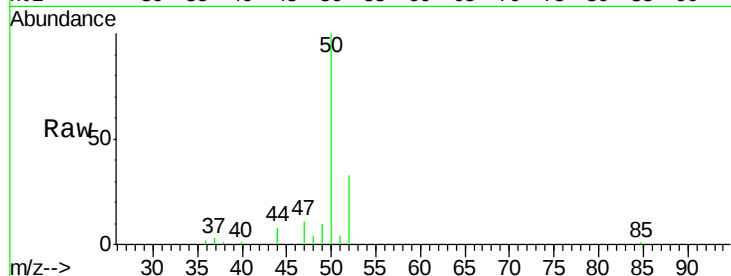
ICVVD042319

Tot Ion: 50 Resp: 194698

Ion Ratio Lower Upper

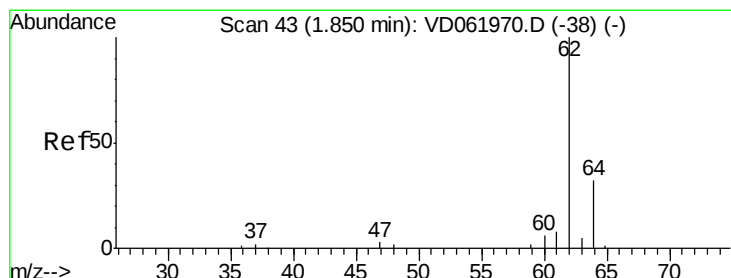
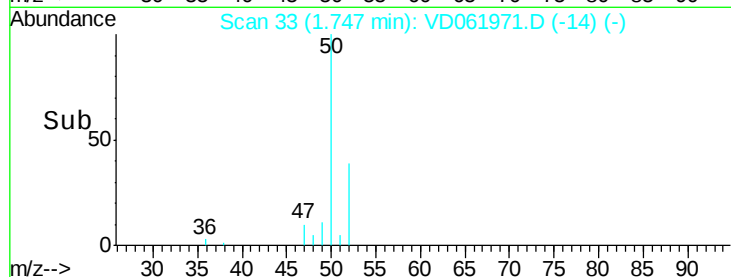
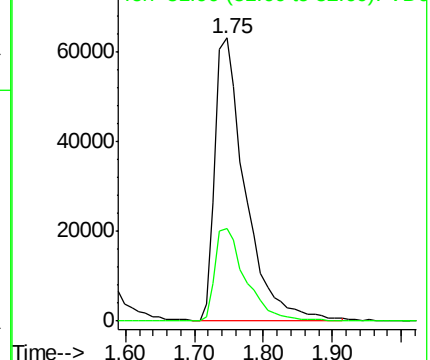
50 100

52 32.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.863 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061971.D

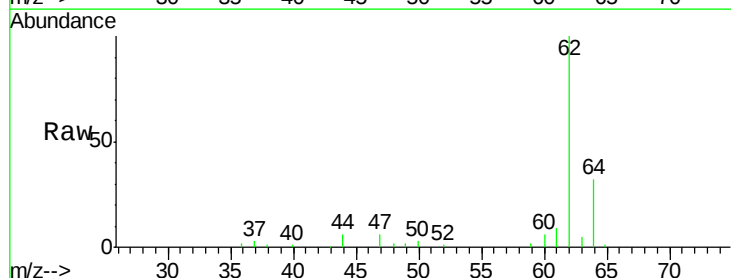
Acq: 23 Apr 2019 15:29

Tgt Ion: 62 Resp: 184688

Ion Ratio Lower Upper

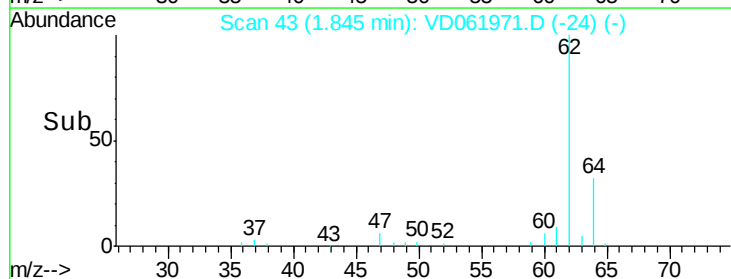
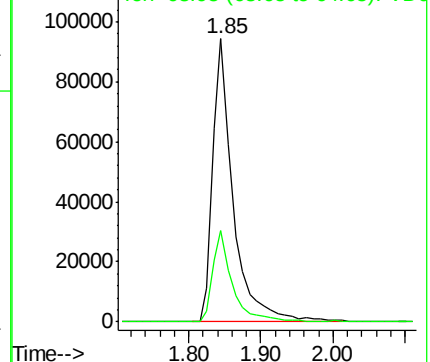
62 100

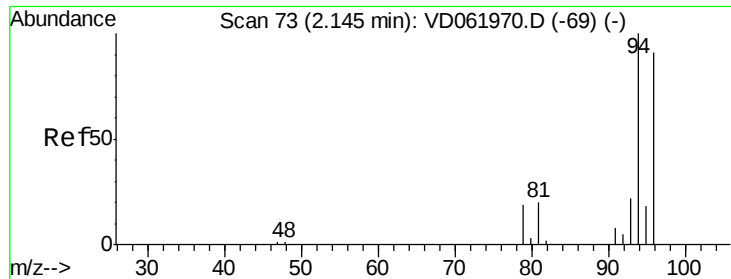
64 32.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 66.137 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

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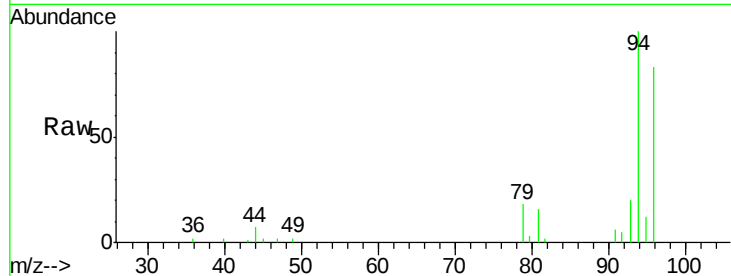
Tot Ion: 94 Resp: 60115

Ion Ratio Lower Upper

94 100

96 83.3 76.6 115.0

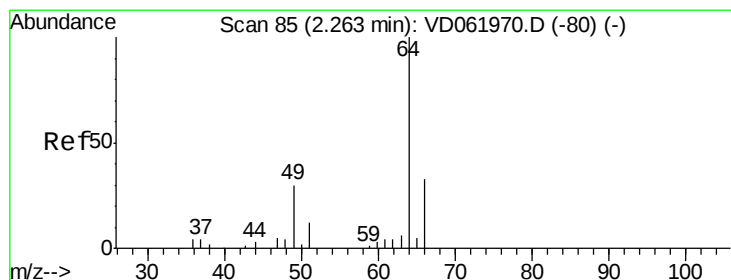
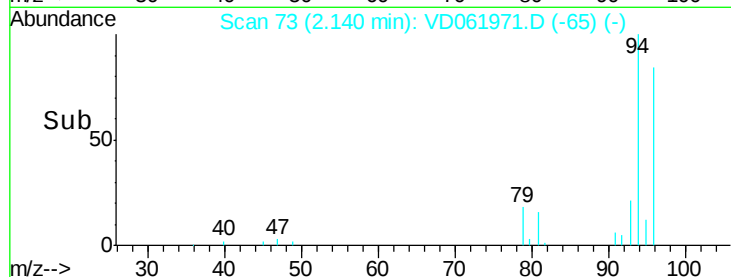
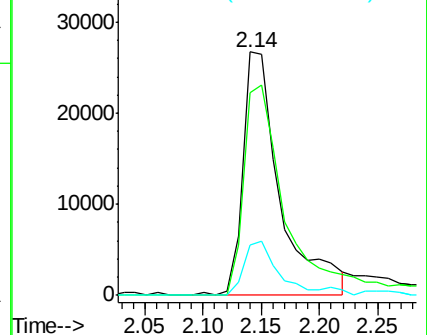
93 20.4 18.5 27.7



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: 53.688 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061971.D

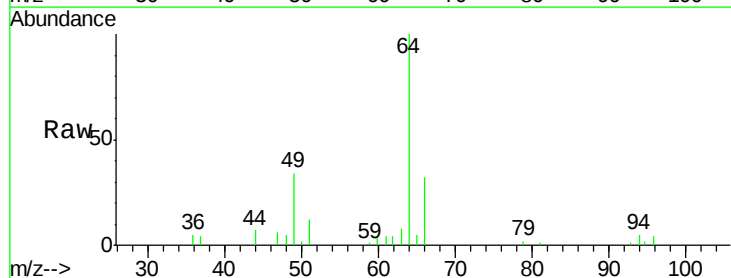
Acq: 23 Apr 2019 15:29

Tgt Ion: 64 Resp: 71881

Ion Ratio Lower Upper

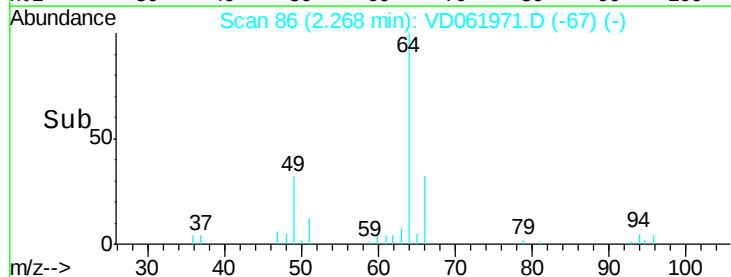
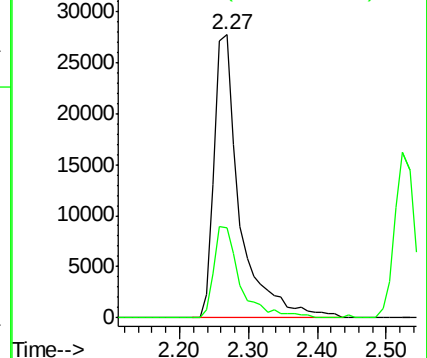
64 100

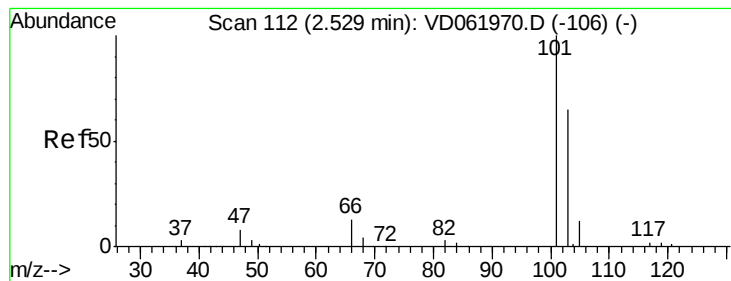
66 32.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



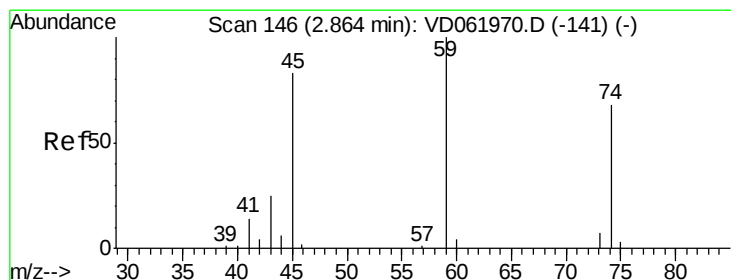
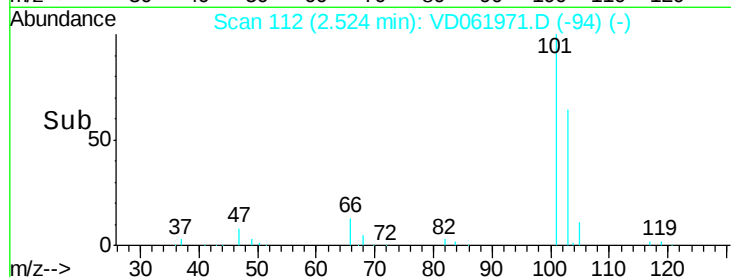
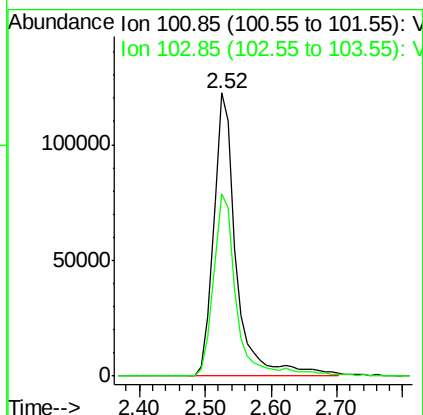
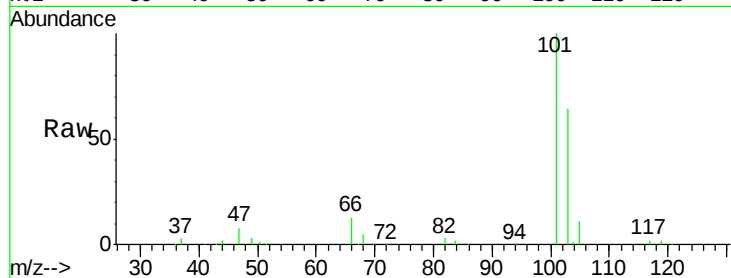


#7

Trichlorofluoromethane
 Concen: 51.462 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
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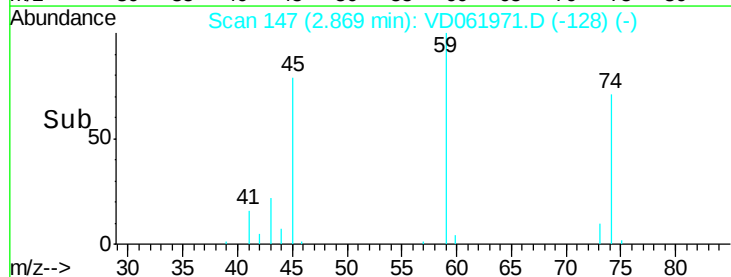
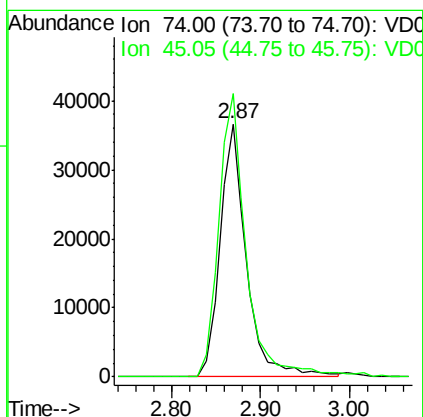
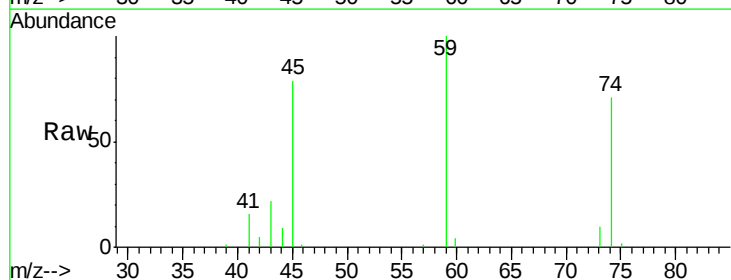
Tot Ion:101 Resp: 288200
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.6 80.4



#8

Diethyl Ether
 Concen: 50.548 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion: 74 Resp: 75870
 Ion Ratio Lower Upper
 74 100
 45 111.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.115 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

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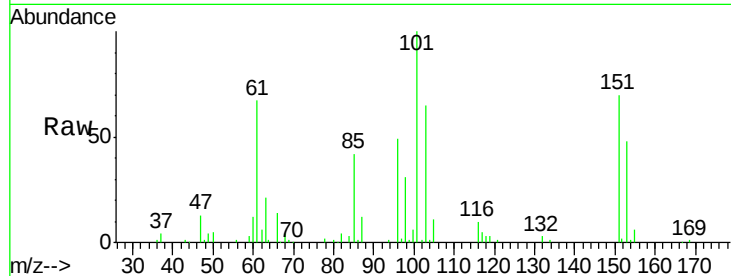
Tot Ion:101 Resp: 258534

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

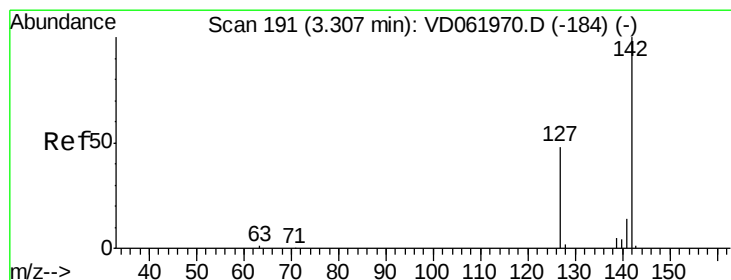
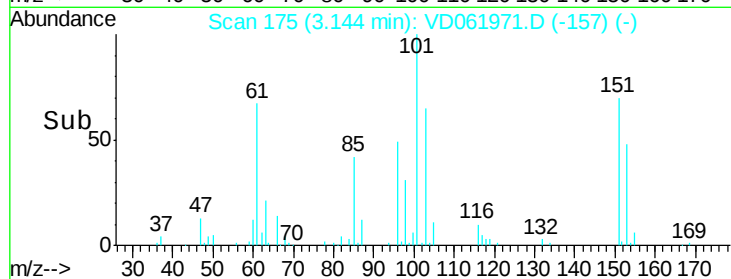
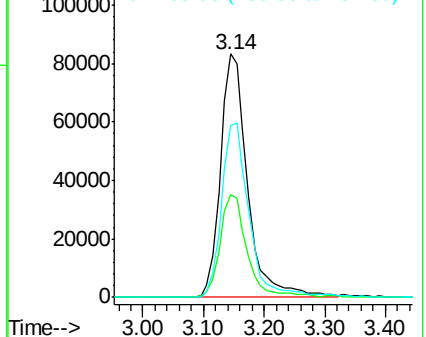
151 70.4 59.4 89.0



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: 46.408 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

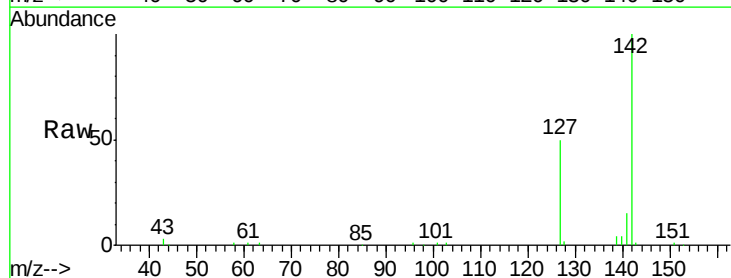
Tgt Ion:142 Resp: 361310

Ion Ratio Lower Upper

142 100

127 49.7 38.8 58.2

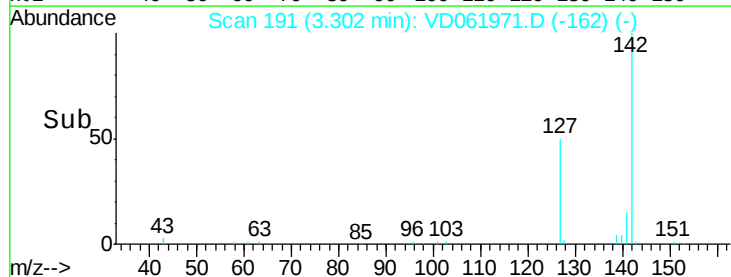
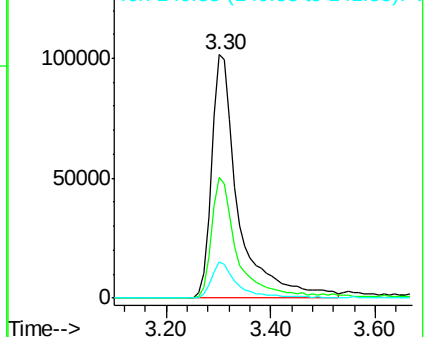
141 14.7 11.4 17.0

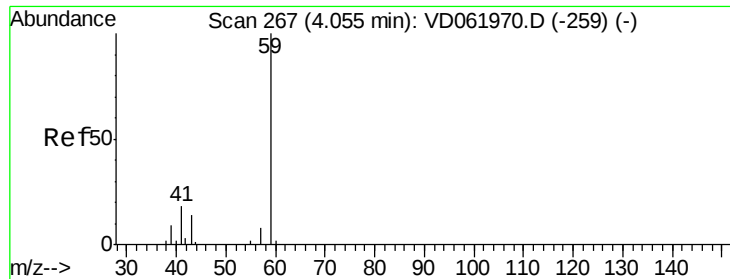


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



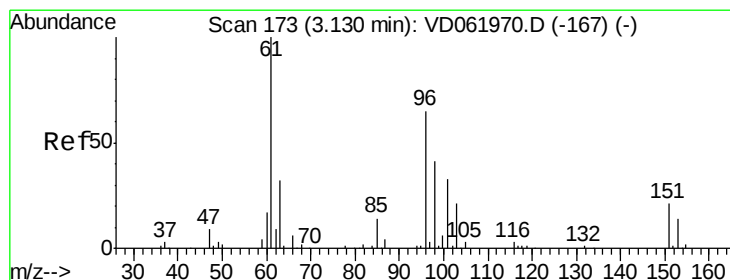
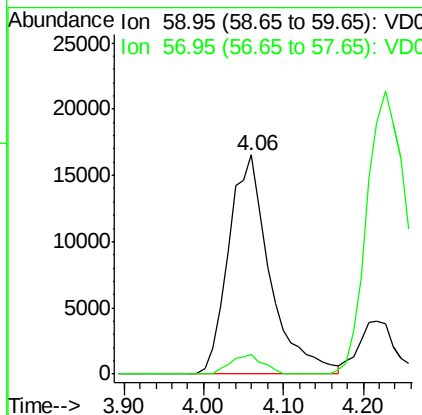
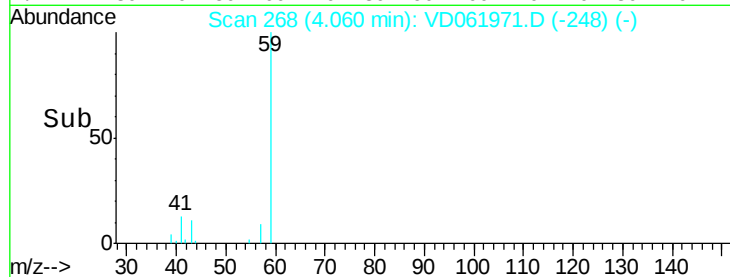
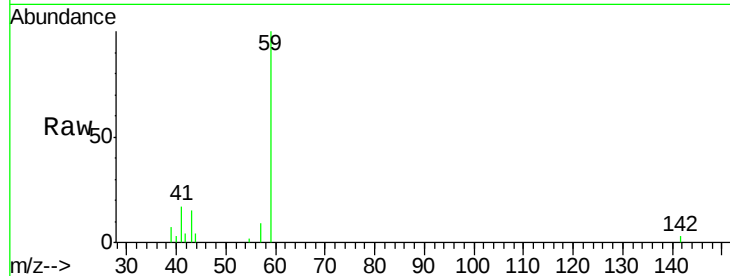


#11

Tert butyl alcohol
Concen: 250.376 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

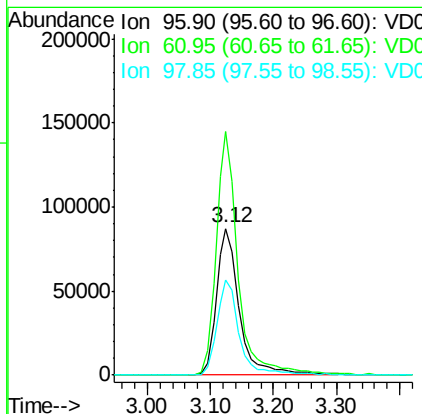
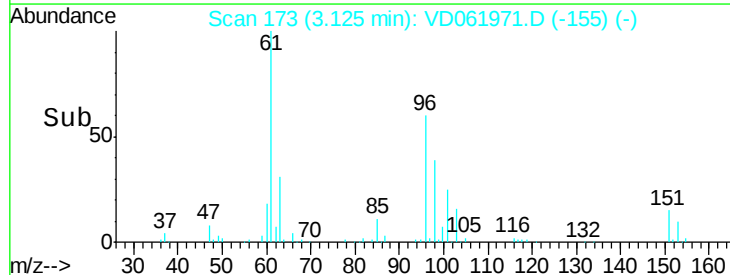
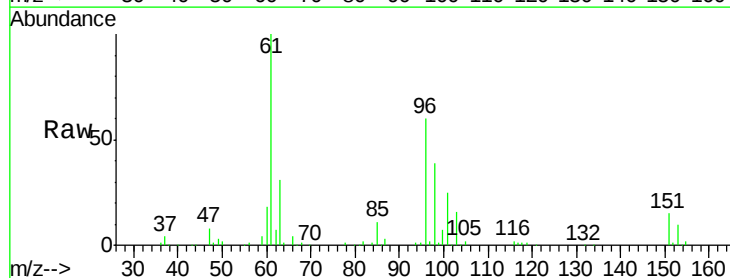
Tot Ion: 59 Resp: 59617
Ion Ratio Lower Upper
59 100
57 8.9 6.9 10.3

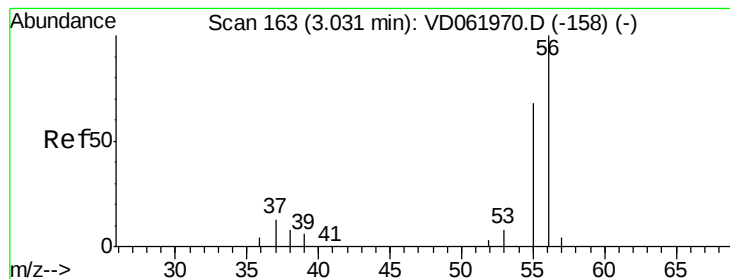


#12

1,1-Dichloroethene
Concen: 50.650 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.02 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 96 Resp: 222306
Ion Ratio Lower Upper
96 100
61 166.3 129.8 194.8
98 65.1 51.2 76.8





#13

Acrolein

Concen: 271.980 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

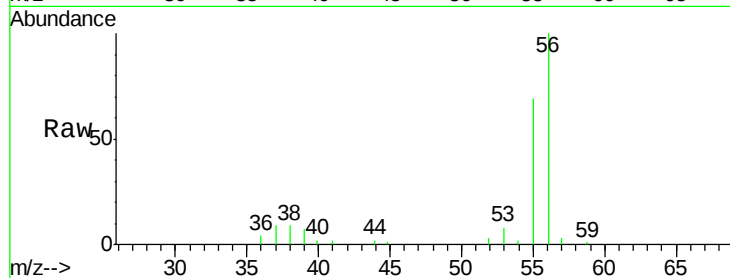
ICVVD042319

Tot Ion: 56 Resp: 67194

Ion Ratio Lower Upper

56 100

55 69.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

5000

0

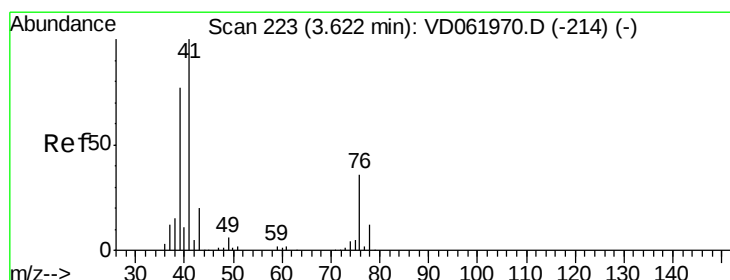
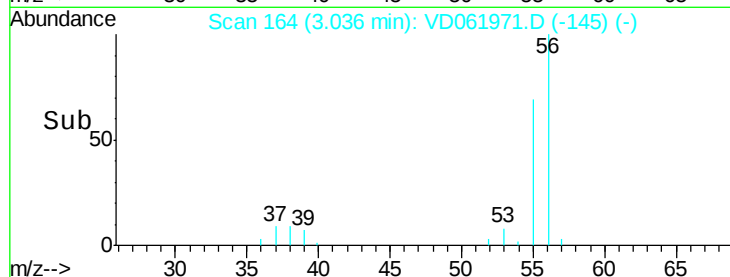
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 51.771 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

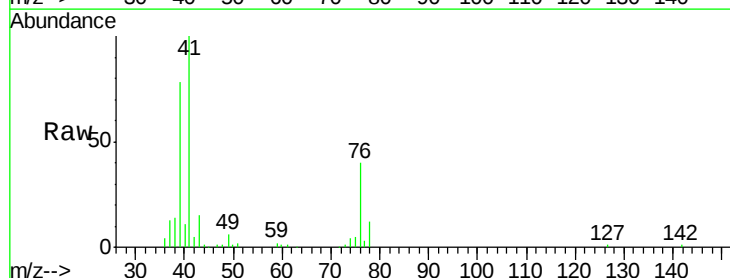
Tgt Ion: 41 Resp: 310278

Ion Ratio Lower Upper

41 100

39 78.4 60.5 90.7

76 39.6 31.8 47.8



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

150000

100000

50000

0

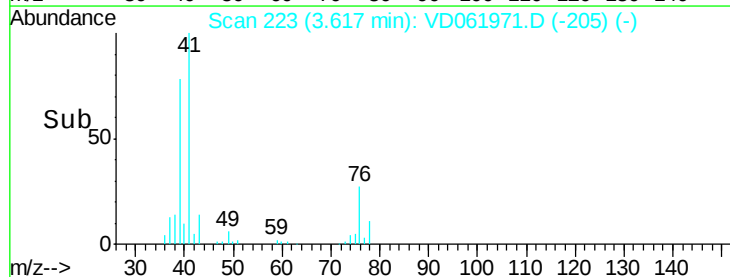
Time-->

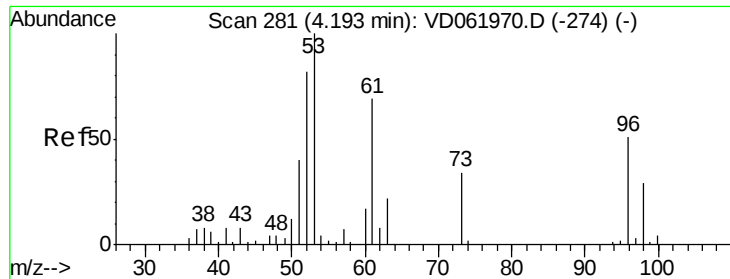
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 243.070 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

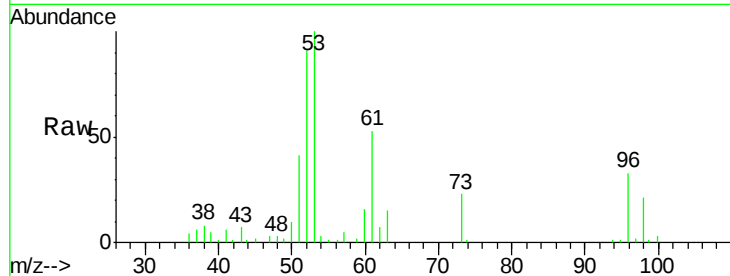
Tot Ion: 53 Resp: 179220

Ion Ratio Lower Upper

53 100

52 91.1 65.0 97.4

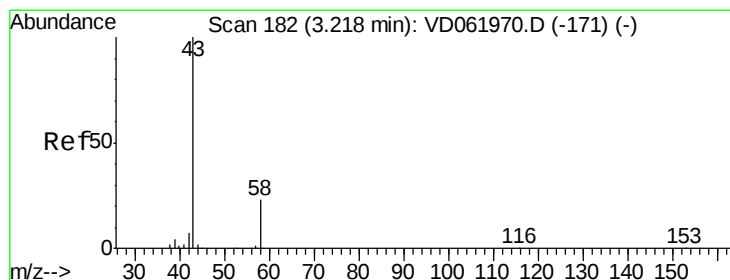
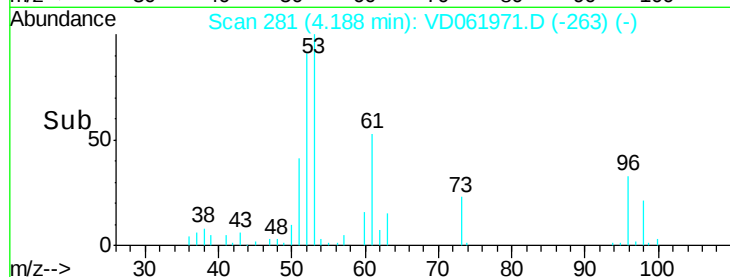
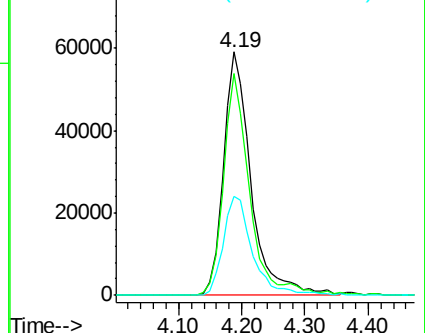
51 40.6 32.6 48.8



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: 291.041 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061971.D

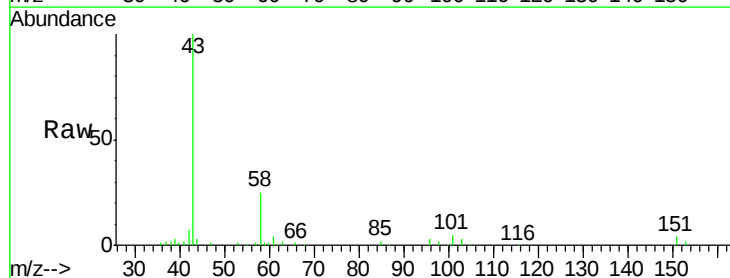
Acq: 23 Apr 2019 15:29

Tgt Ion: 43 Resp: 292860

Ion Ratio Lower Upper

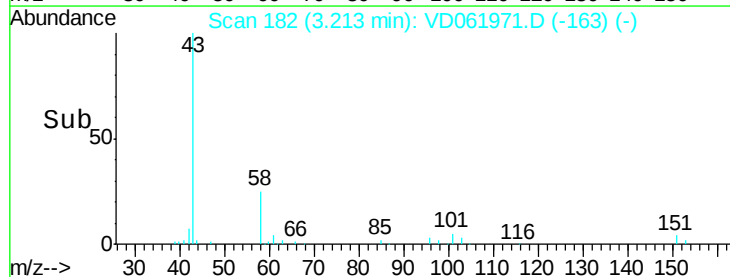
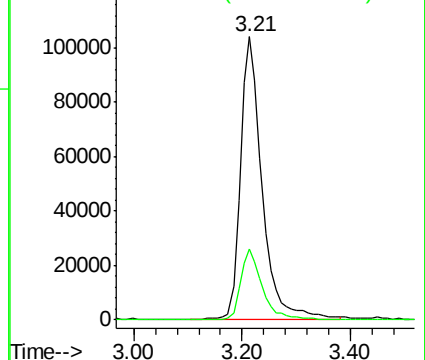
43 100

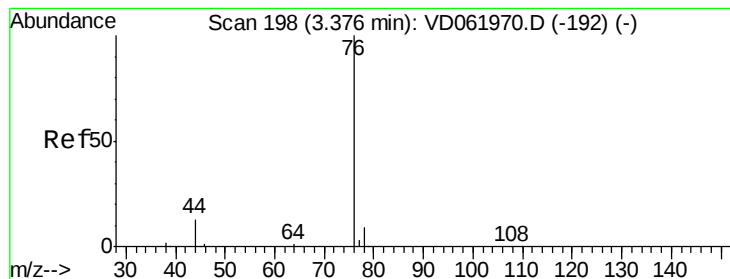
58 25.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 52.456 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

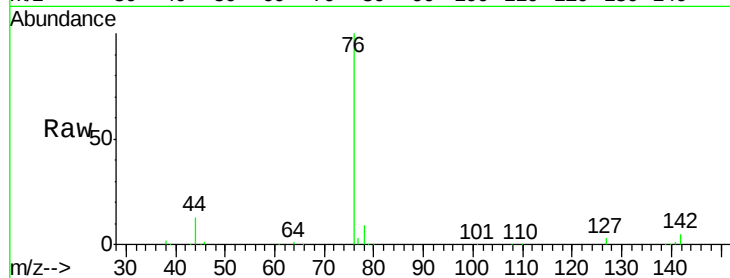
ICVVD042319

Tot Ion: 76 Resp: 665303

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

250000

200000

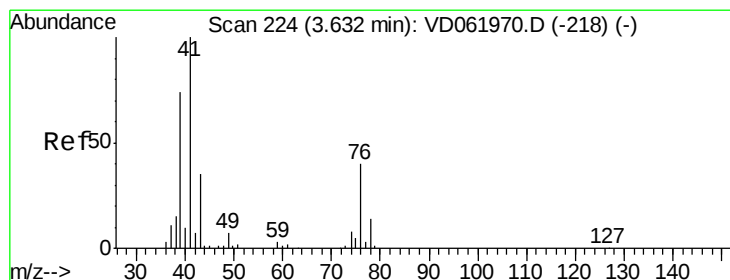
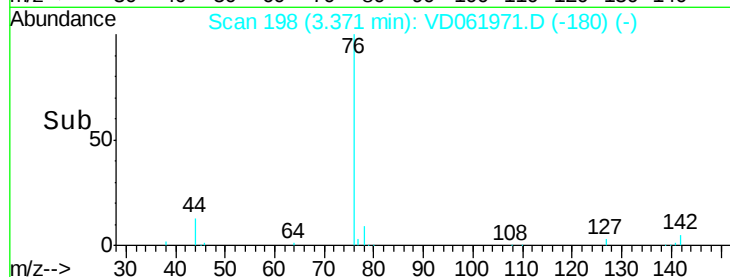
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 49.923 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061971.D

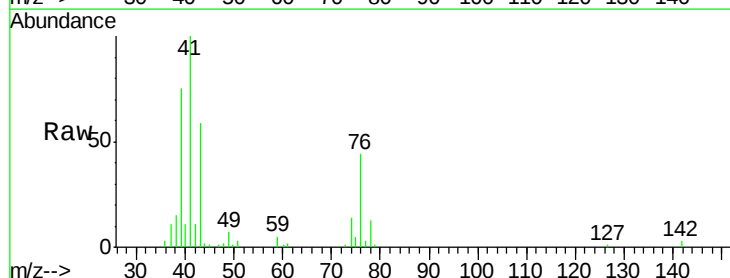
Acq: 23 Apr 2019 15:29

Tgt Ion: 43 Resp: 91112

Ion Ratio Lower Upper

43 100

74 23.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

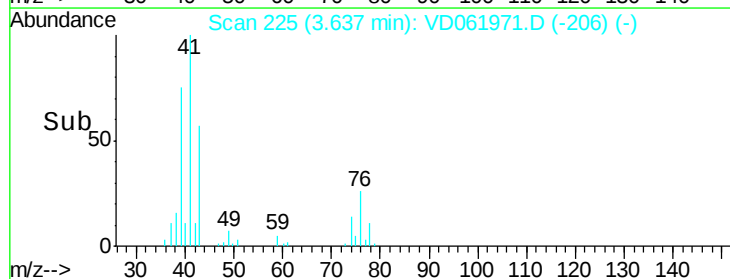
30000

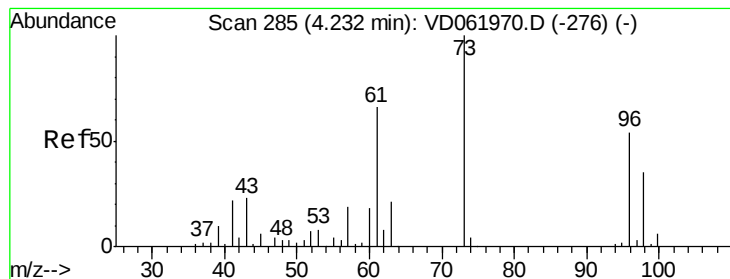
20000

10000

0

Time--> 3.50 3.60 3.70 3.80



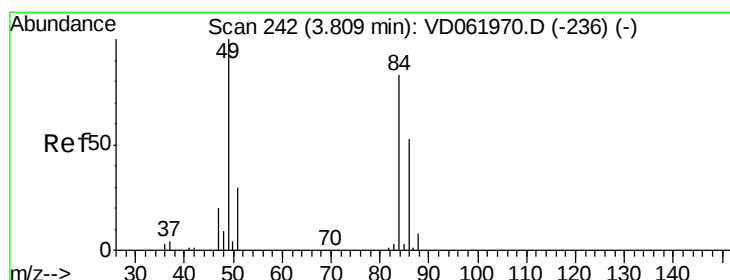
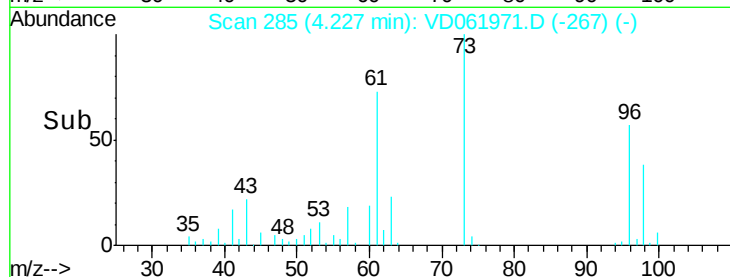
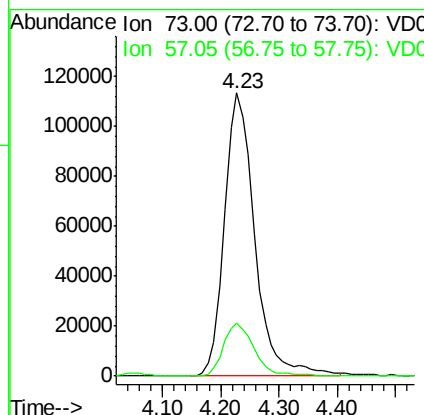
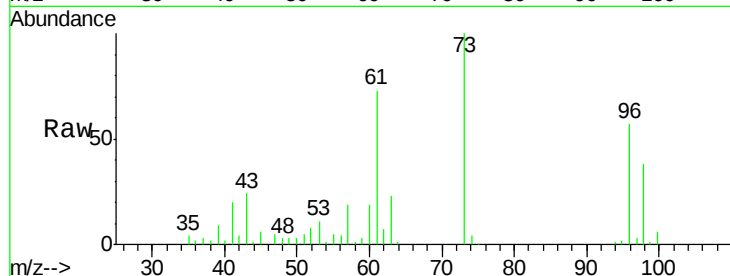


#19

Methyl tert-butyl Ether
 Concen: 47.261 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

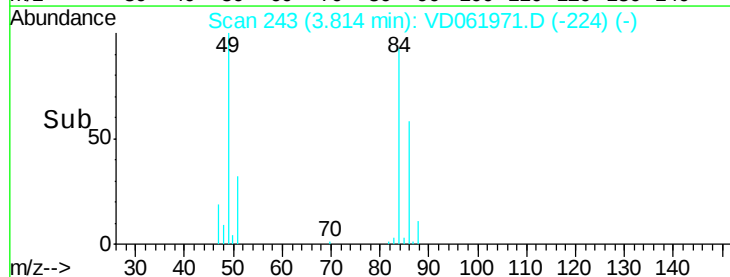
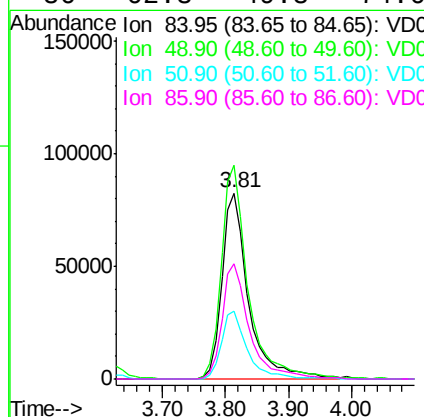
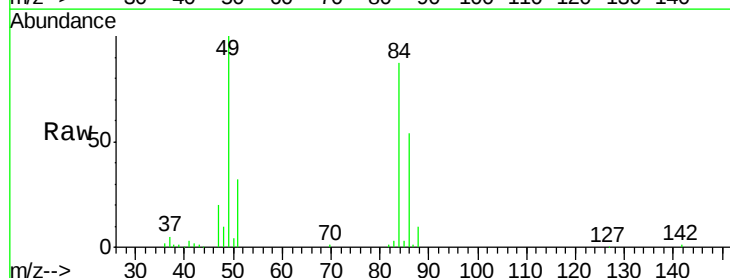
Tot Ion: 73 Resp: 411566
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.3 24.5

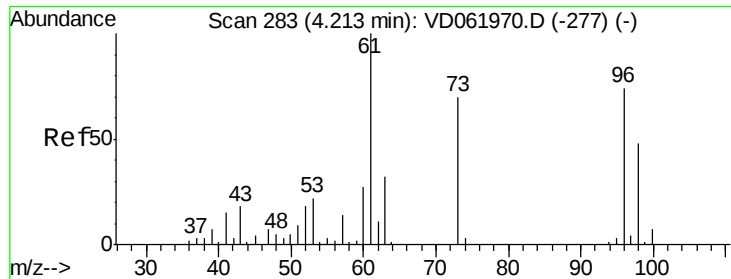


#20

Methylene Chloride
 Concen: 49.476 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion: 84 Resp: 242530
 Ion Ratio Lower Upper
 84 100
 49 114.9 94.0 141.0
 51 36.3 29.0 43.4
 86 62.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 47.711 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

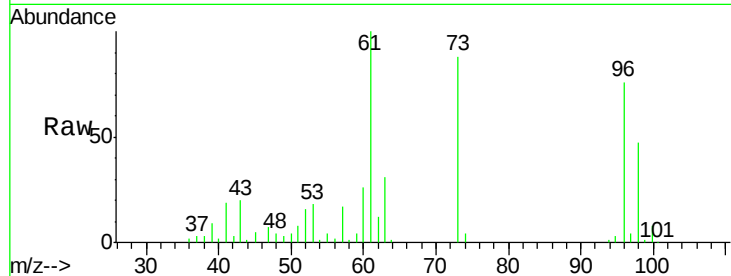
Tot Ion: 96 Resp: 240227

Ion Ratio Lower Upper

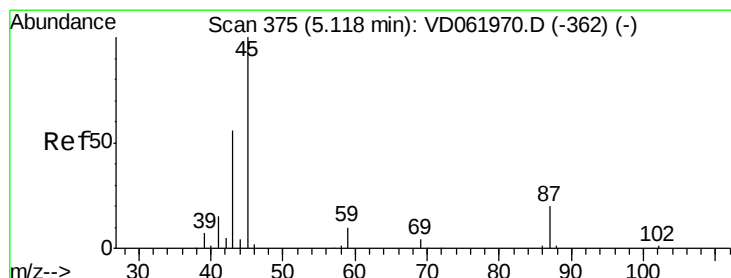
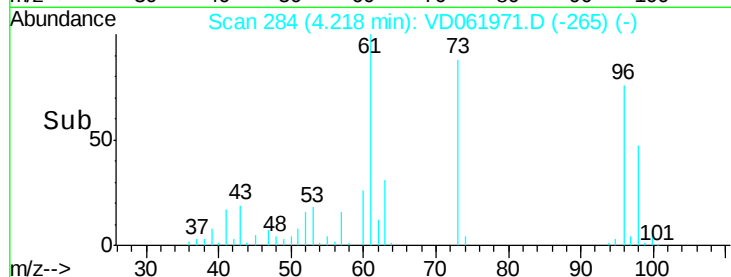
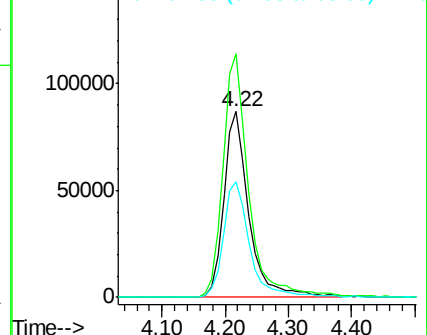
96 100

61 131.1 104.4 156.6

98 62.1 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: 45.708 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Tgt Ion: 45 Resp: 639571

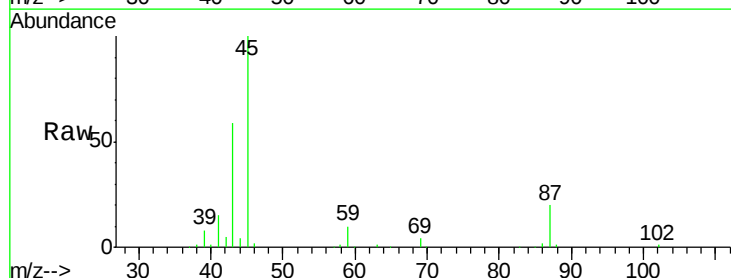
Ion Ratio Lower Upper

45 100

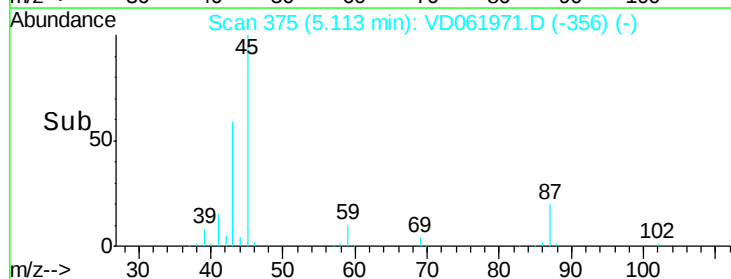
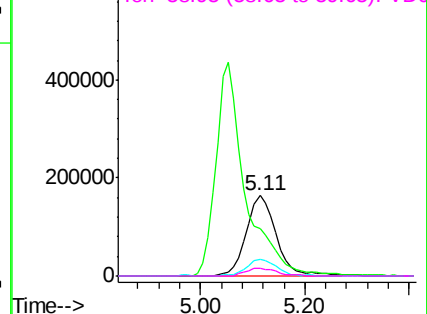
43 58.9 46.2 69.2

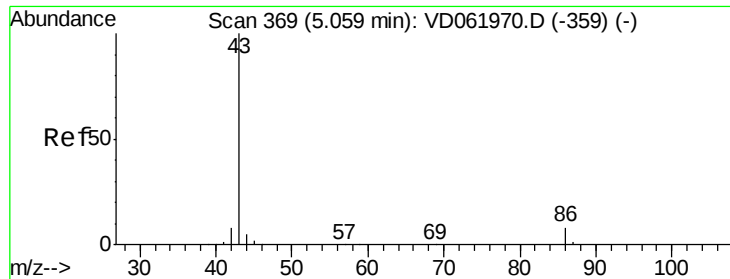
87 20.3 15.9 23.9

59 10.2 7.9 11.9



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: 231.021 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

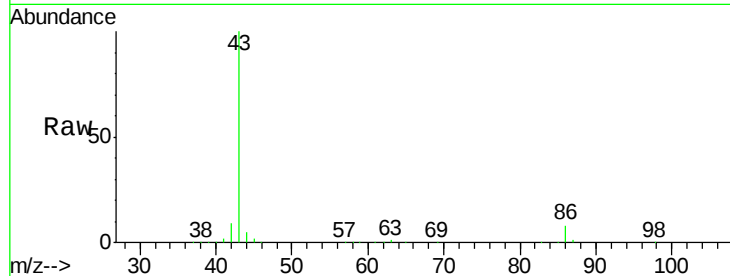
ICVVD042319

Tot Ion: 43 Resp: 1683412

Ion Ratio Lower Upper

43 100

86 8.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

500000

400000

300000

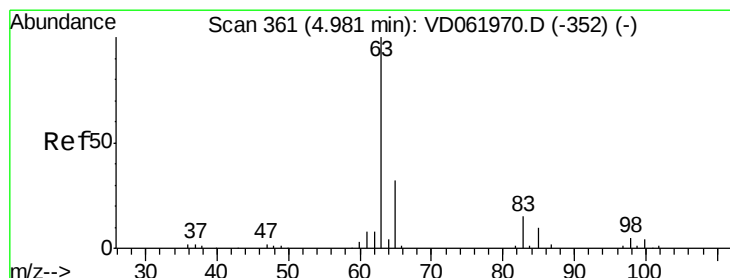
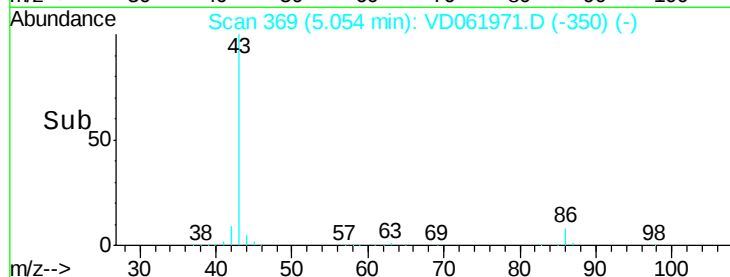
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 45.336 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

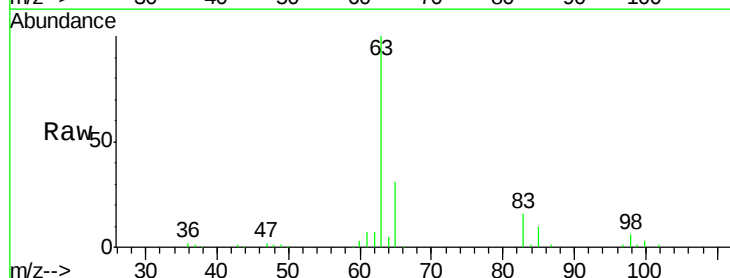
Tgt Ion: 63 Resp: 383415

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

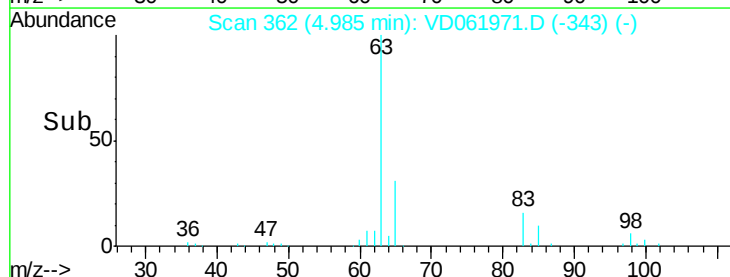
100000

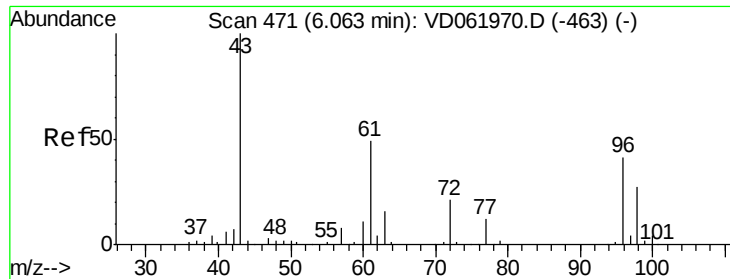
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 245.934 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

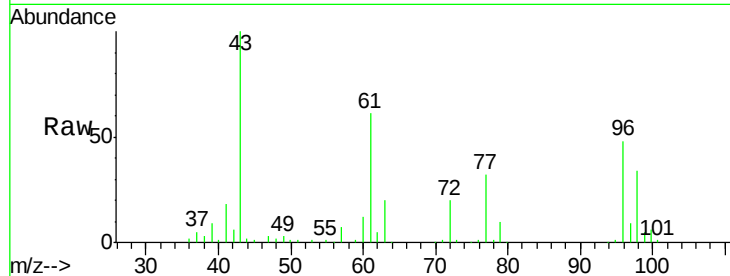
ICVVD042319

Tot Ion: 43 Resp: 300040

Ion Ratio Lower Upper

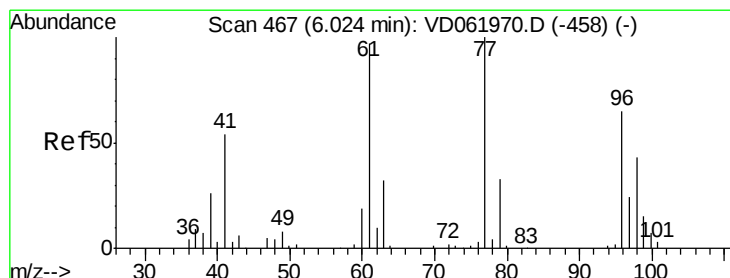
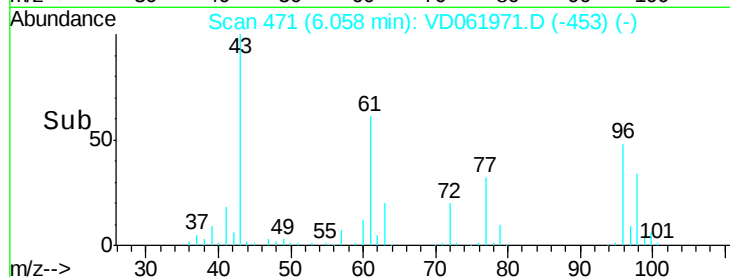
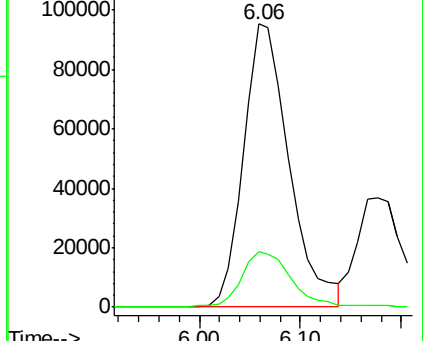
43 100

72 19.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.209 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061971.D

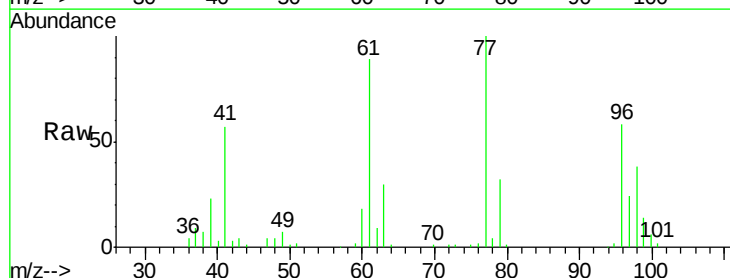
Acq: 23 Apr 2019 15:29

Tgt Ion: 77 Resp: 363063

Ion Ratio Lower Upper

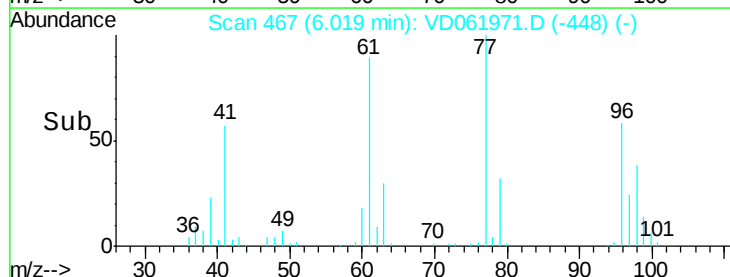
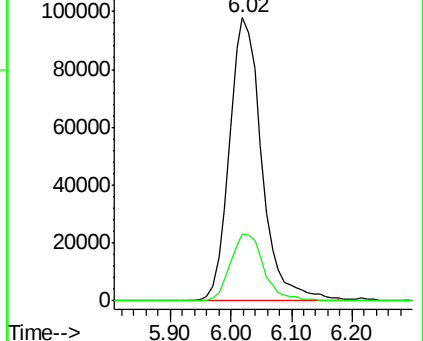
77 100

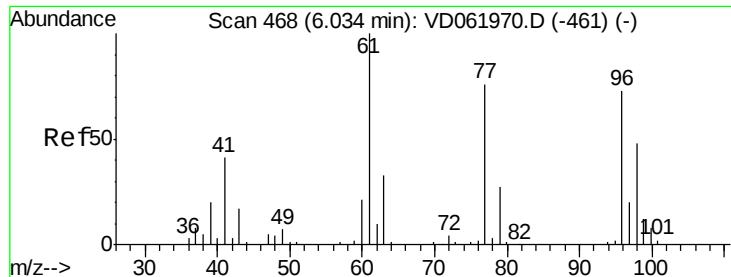
97 23.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



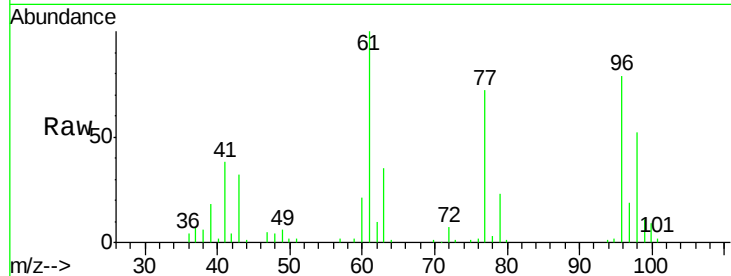


#27

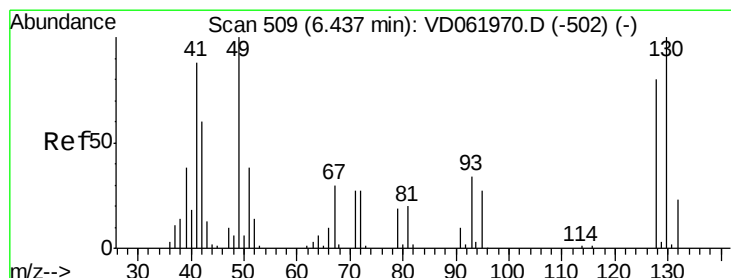
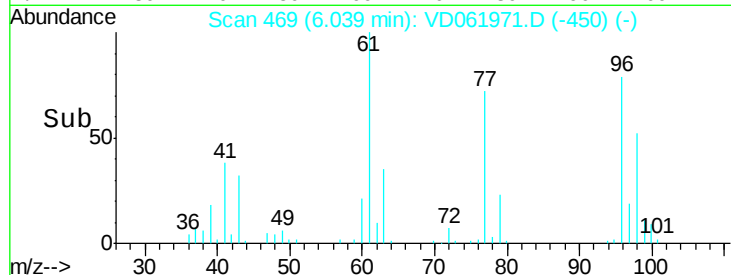
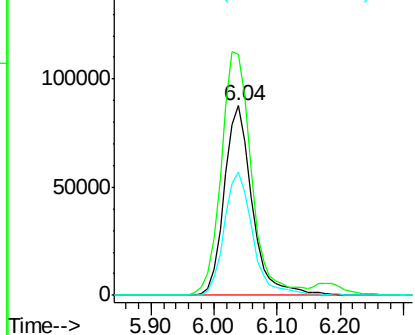
cis-1,2-Dichloroethene
Concen: 46.991 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion: 96 Resp: 269161
Ion Ratio Lower Upper
96 100
61 127.1 0.0 279.8
98 65.5 0.0 136.0



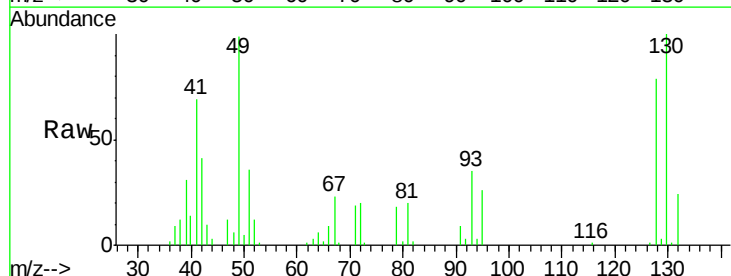
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



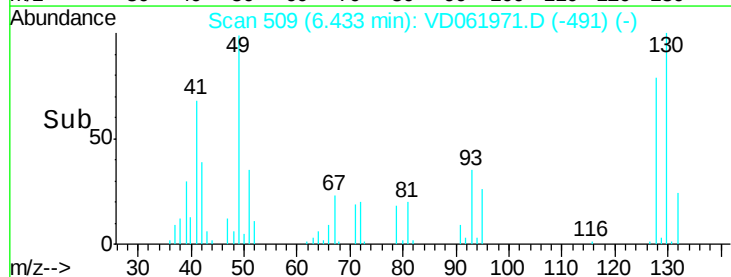
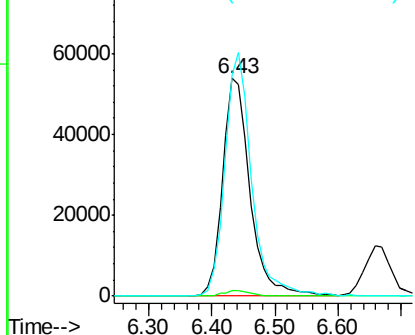
#28

Bromochloromethane
Concen: 50.248 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 49 Resp: 162600
Ion Ratio Lower Upper
49 100
129 2.7 0.0 6.6
130 101.3 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 213.878 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

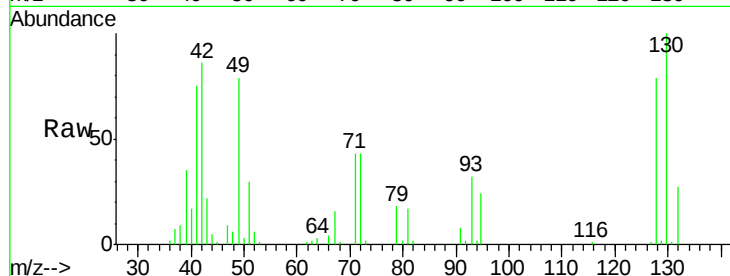
Tot Ion: 42 Resp: 128568

Ion Ratio Lower Upper

42 100

72 48.7 37.8 56.6

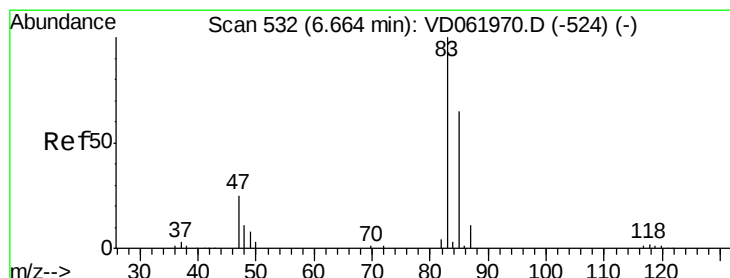
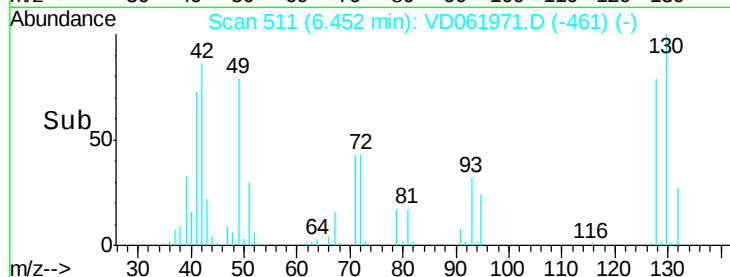
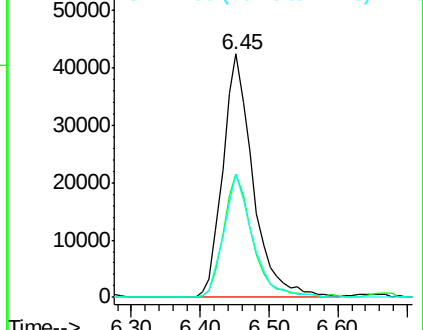
71 48.0 36.7 55.1



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: 47.733 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD061971.D

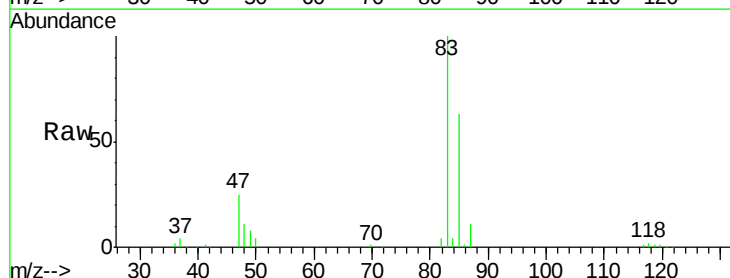
Acq: 23 Apr 2019 15:29

Tgt Ion: 83 Resp: 458520

Ion Ratio Lower Upper

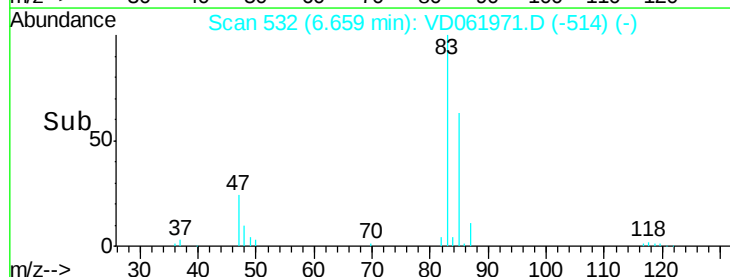
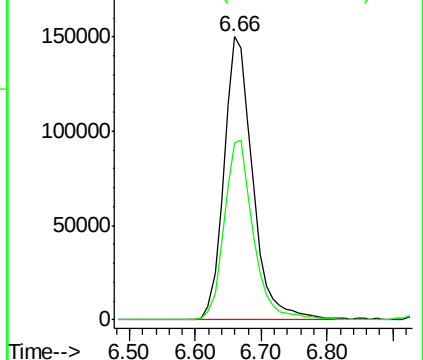
83 100

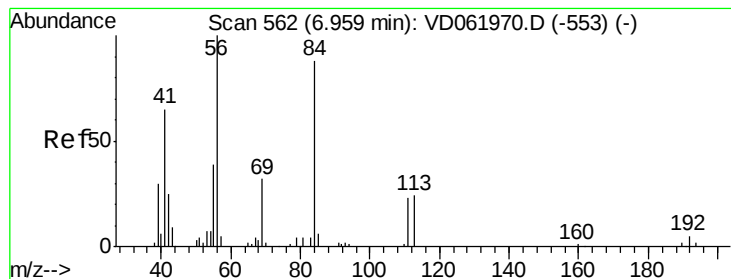
85 62.5 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.261 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

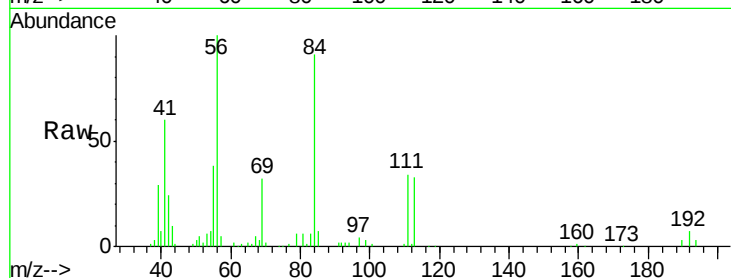
Tot Ion: 56 Resp: 290400

Ion Ratio Lower Upper

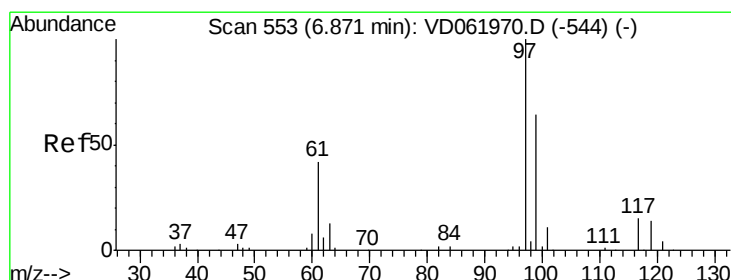
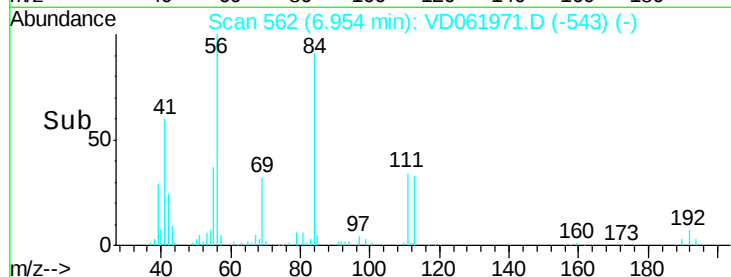
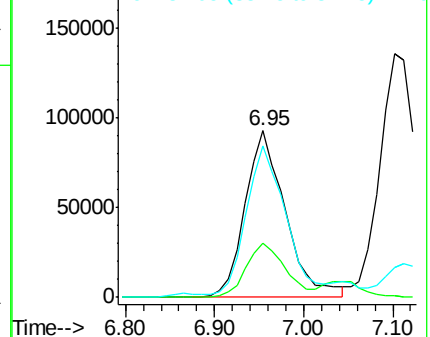
56 100

69 32.2 25.8 38.6

84 91.0 72.2 108.4



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: 46.584 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

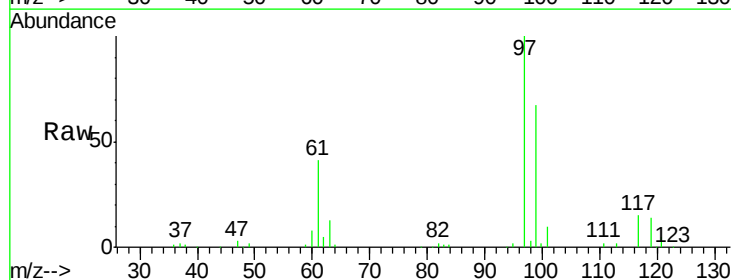
Tgt Ion: 97 Resp: 389349

Ion Ratio Lower Upper

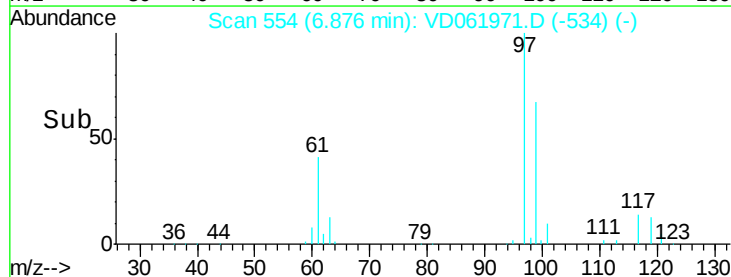
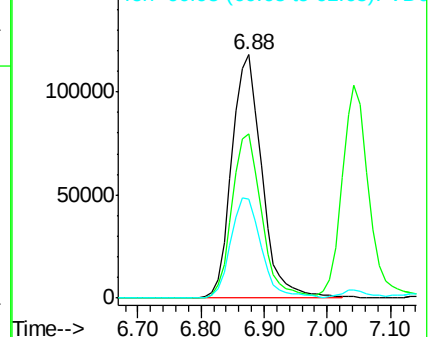
97 100

99 67.3 52.2 78.2

61 40.8 32.4 48.6



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: 46.584 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

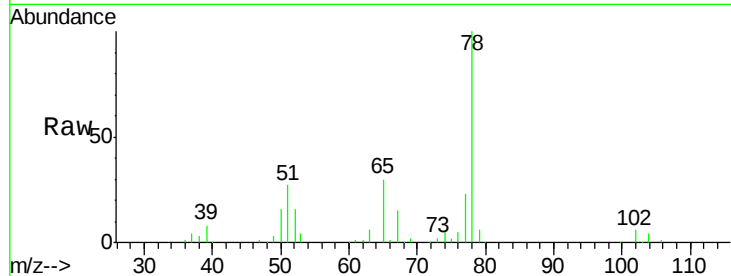
ICVVD042319

Tot Ion: 65 Resp: 224292

Ion Ratio Lower Upper

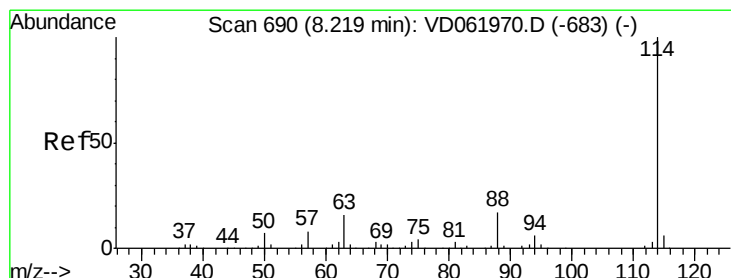
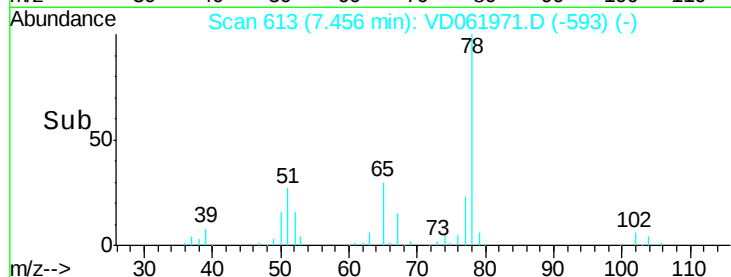
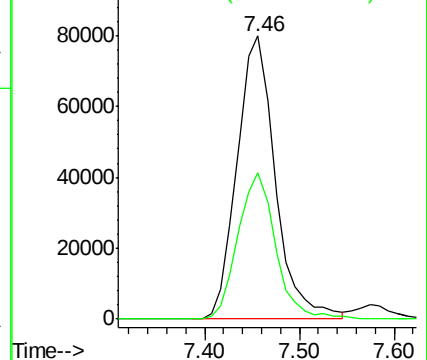
65 100

67 51.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

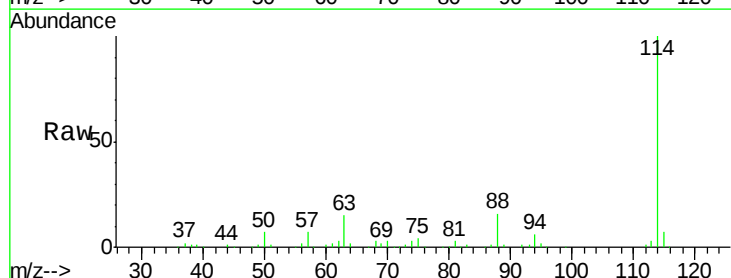
Tgt Ion: 114 Resp: 913695

Ion Ratio Lower Upper

114 100

63 15.0 0.0 32.4

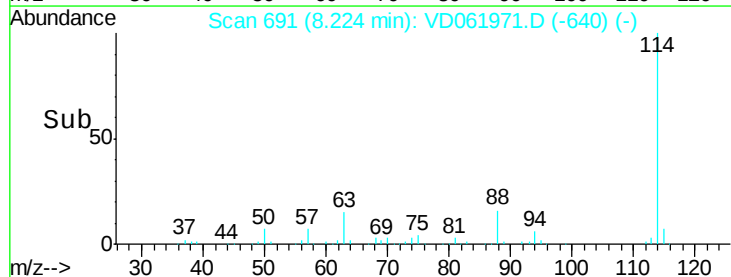
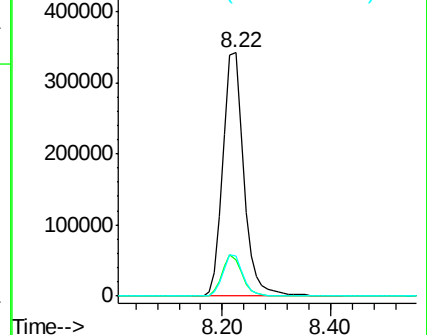
88 16.4 0.0 33.6

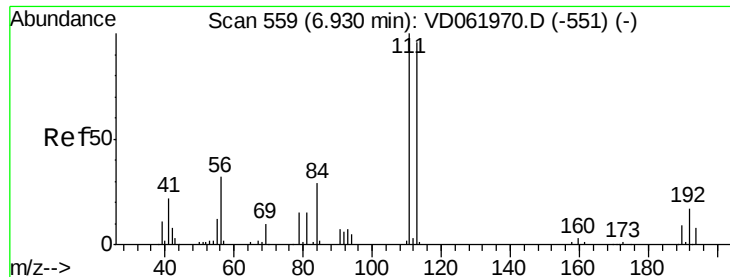


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

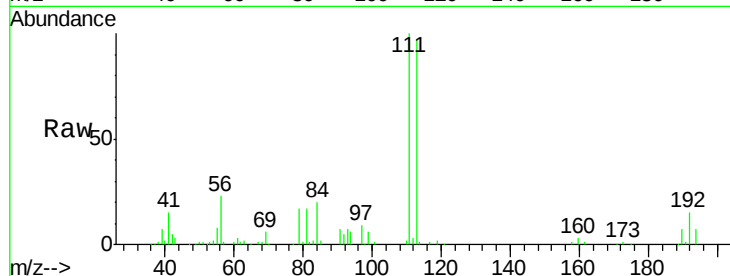
Tot Ion:113 Resp: 324453

Ion Ratio Lower Upper

113 100

111 103.1 78.5 117.7

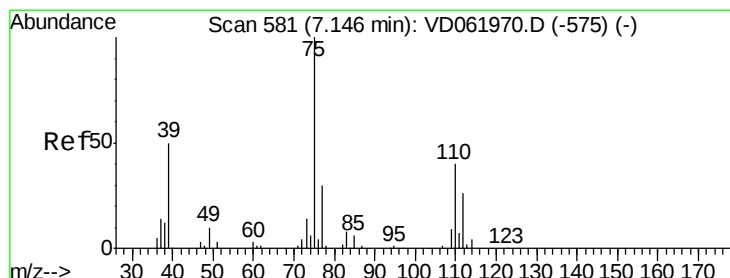
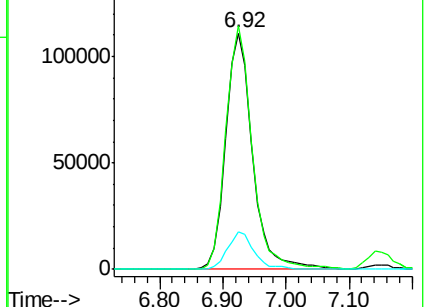
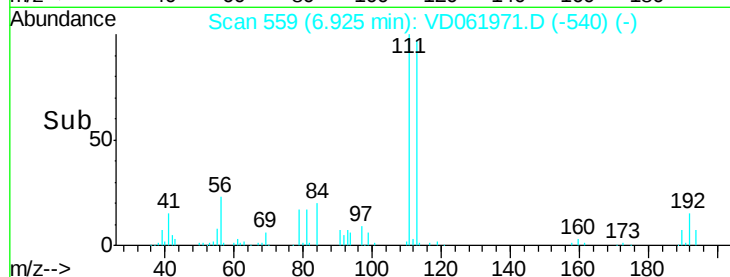
192 15.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.774 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

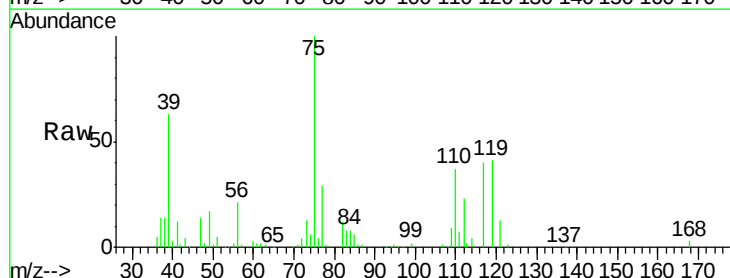
Tgt Ion: 75 Resp: 332967

Ion Ratio Lower Upper

75 100

110 36.6 19.1 57.1

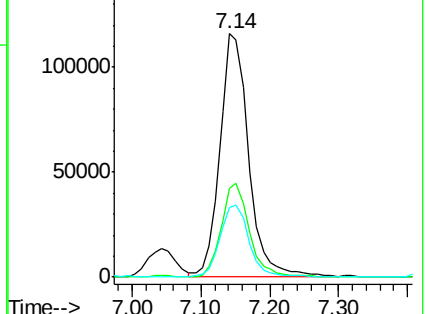
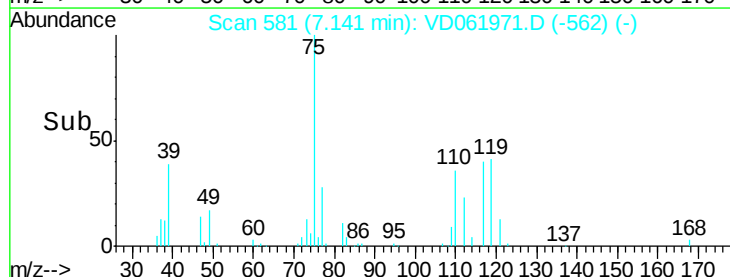
77 28.6 25.6 38.4

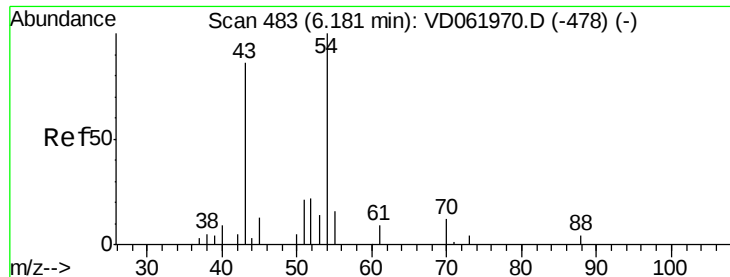


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

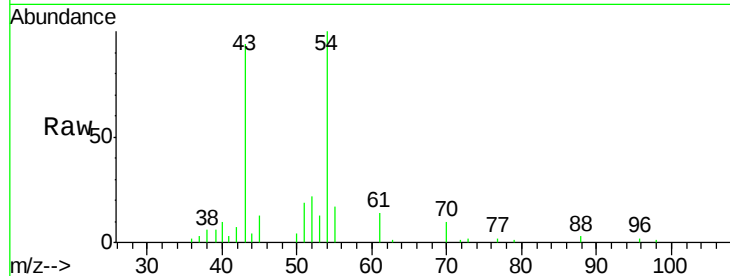




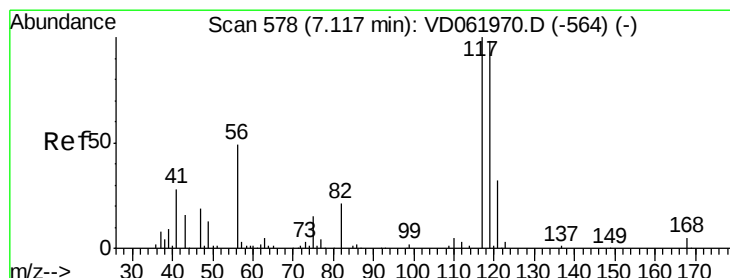
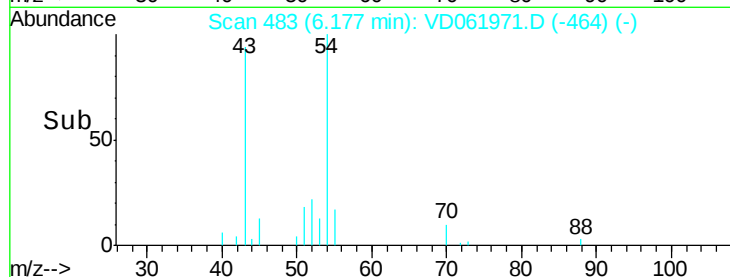
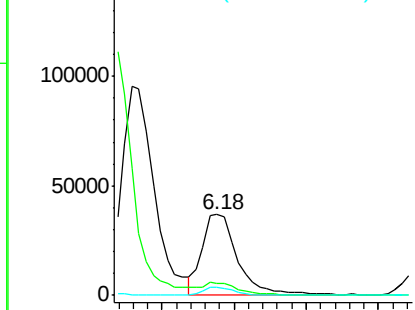
#37
Ethyl Acetate
Concen: 41.743 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion: 43 Resp: 126628
Ion Ratio Lower Upper
43 100
61 15.0 14.7 22.1
70 10.1 7.8 11.6

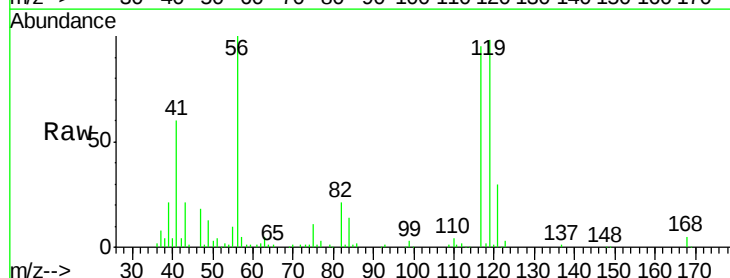


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

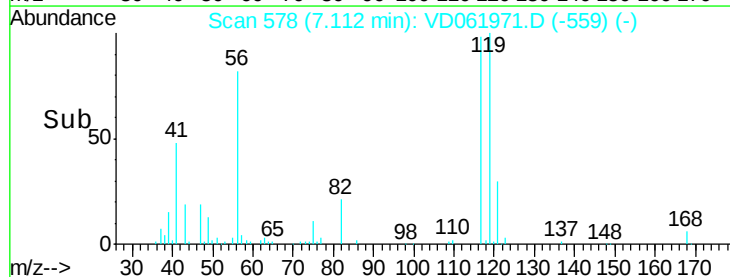
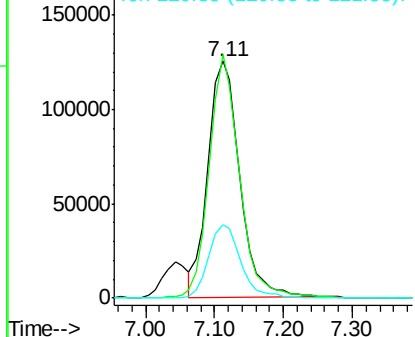


#38
Carbon Tetrachloride
Concen: 44.435 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 117 Resp: 400827
Ion Ratio Lower Upper
117 100
119 102.7 75.8 113.8
121 31.1 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 47.162 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

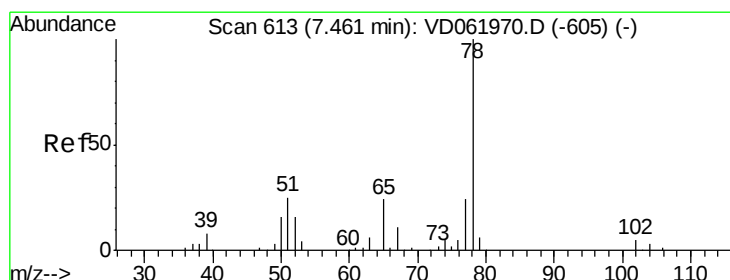
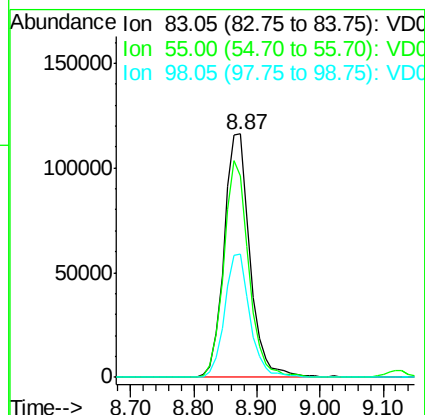
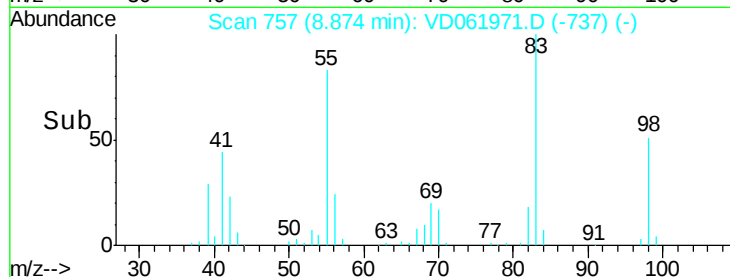
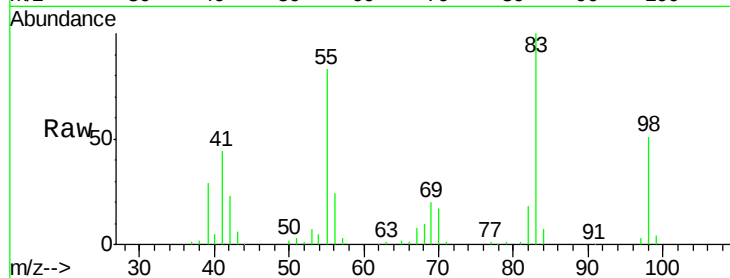
Tot Ion: 83 Resp: 331238

Ion Ratio Lower Upper

83 100

55 82.7 68.2 102.4

98 50.6 38.2 57.4



#40

Benzene

Concen: 44.134 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD061971.D

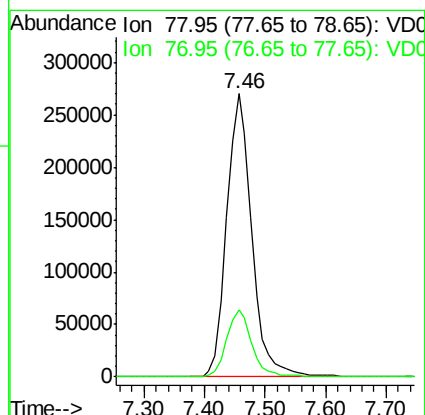
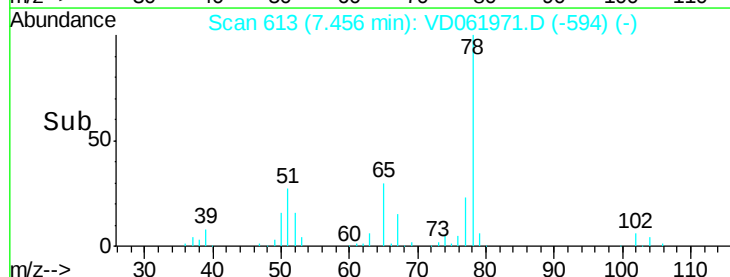
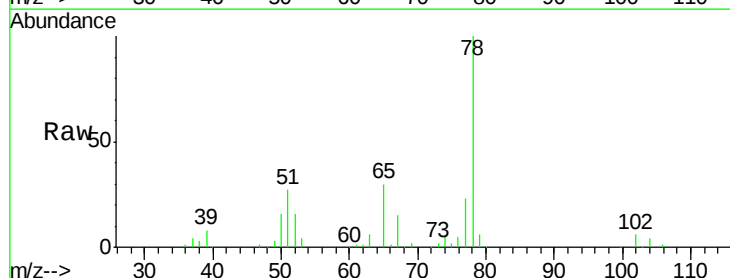
Acq: 23 Apr 2019 15:29

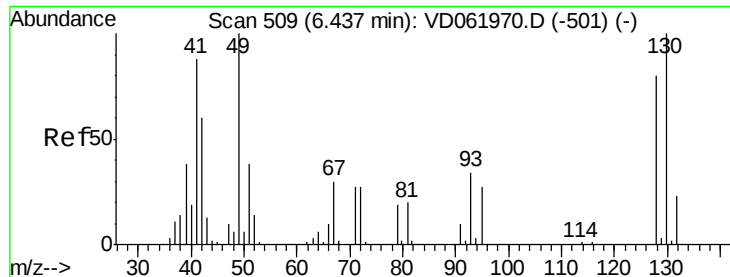
Tgt Ion: 78 Resp: 777790

Ion Ratio Lower Upper

78 100

77 23.5 19.7 29.5





#41

Methacrylonitrile

Concen: 42.901 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

Tot Ion: 41 Resp: 151846

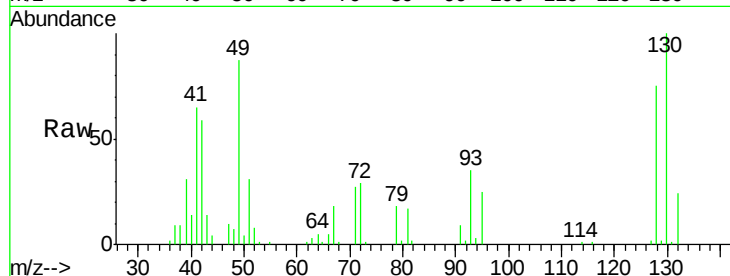
Ion Ratio Lower Upper

41 100

39 48.4 34.1 51.1

67 28.4 23.8 35.6

52 11.8 8.8 13.2

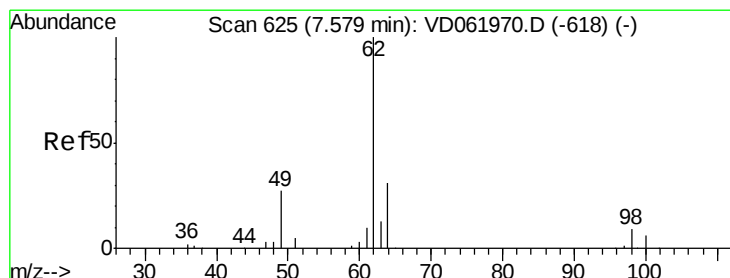
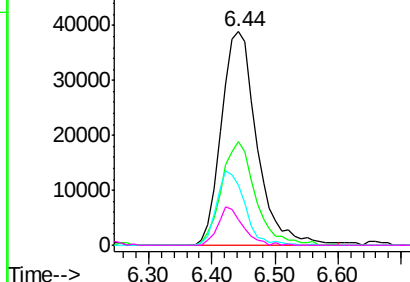
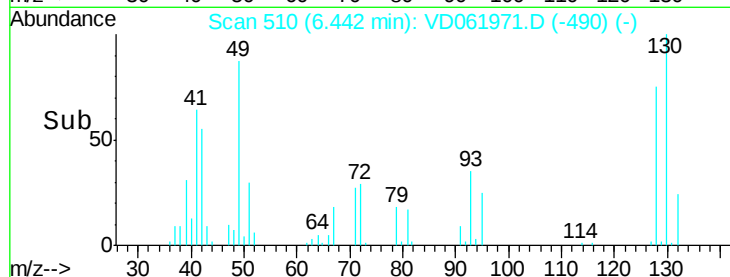


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 43.829 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.00 min

Lab File: VD061971.D

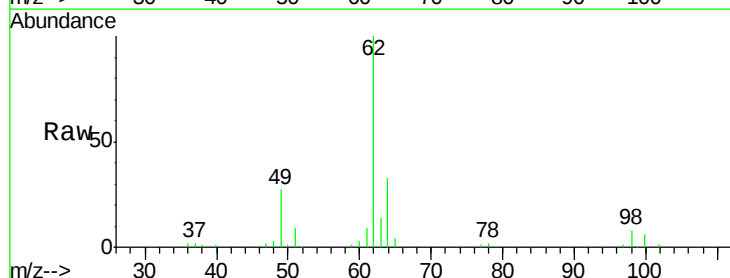
Acq: 23 Apr 2019 15:29

Tgt Ion: 62 Resp: 262261

Ion Ratio Lower Upper

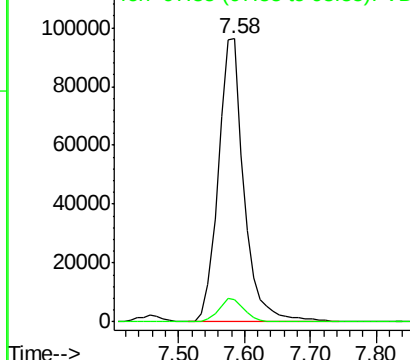
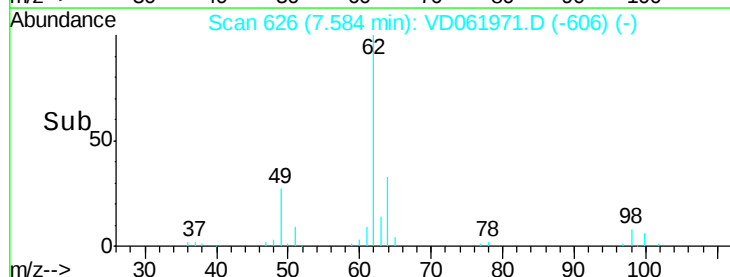
62 100

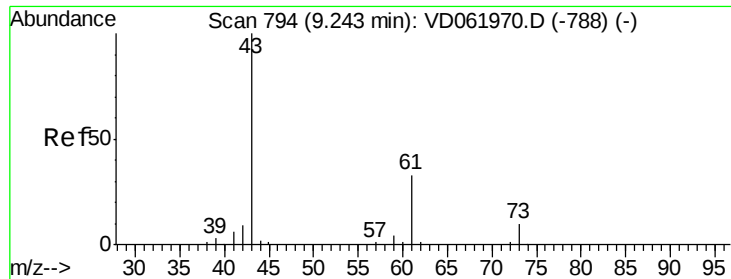
98 7.8 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



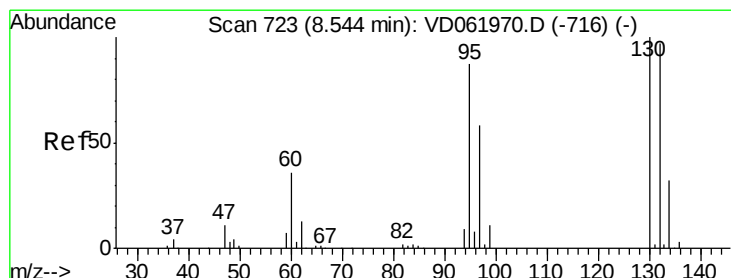
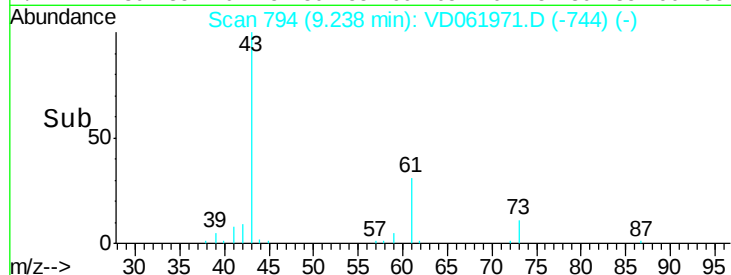
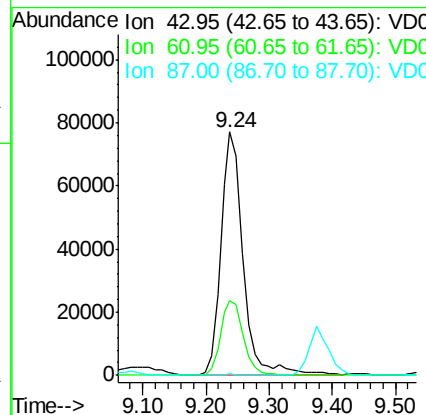
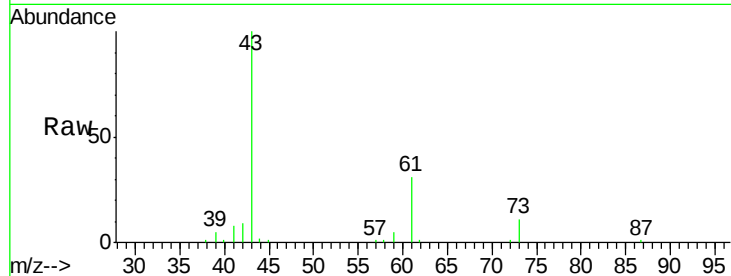


#43

Isopropyl Acetate
 Concen: 43.009 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

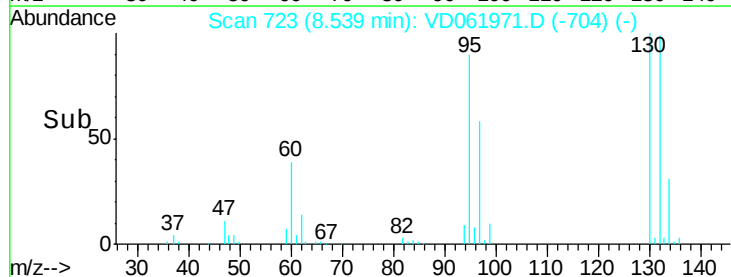
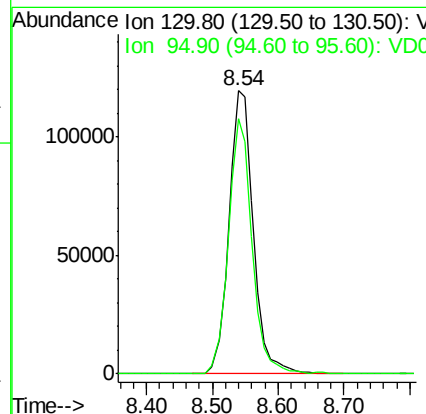
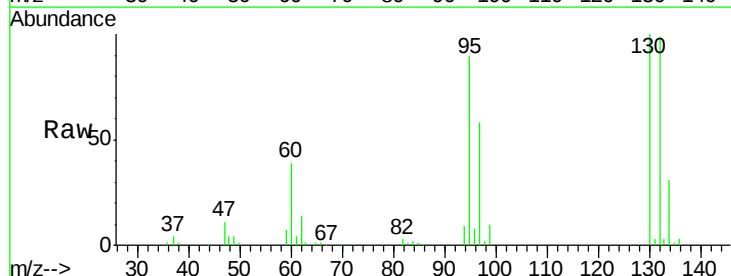
Tot Ion: 43 Resp: 190631
 Ion Ratio Lower Upper
 43 100
 61 30.7 25.1 37.7
 87 0.6 0.0 0.0#

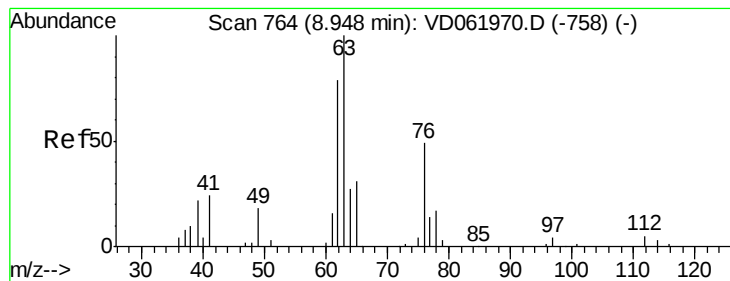


#44

Trichloroethene
 Concen: 45.323 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion:130 Resp: 309661
 Ion Ratio Lower Upper
 130 100
 95 90.0 0.0 174.0





#45

1,2-Dichloropropane

Concen: 44.325 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

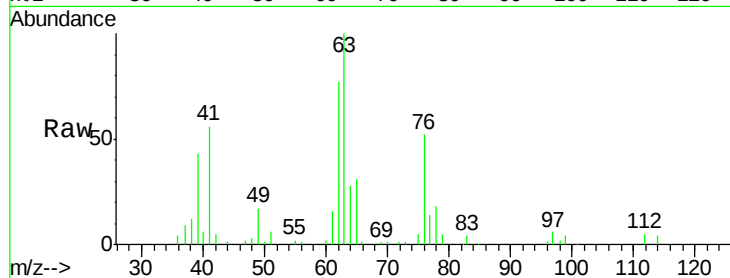
ICVVD042319

Tot Ion: 63 Resp: 198172

Ion Ratio Lower Upper

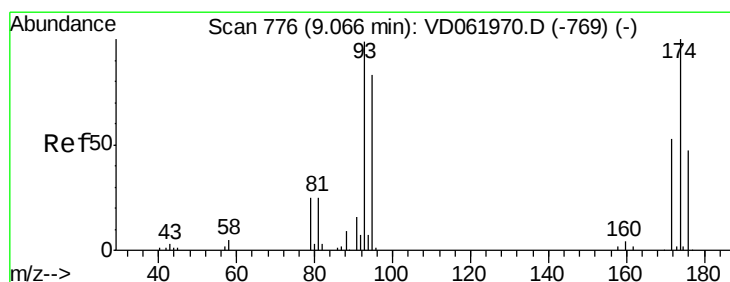
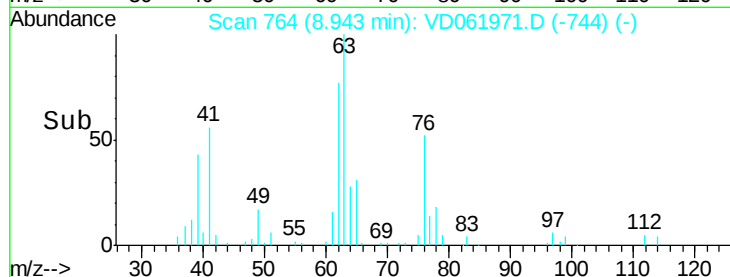
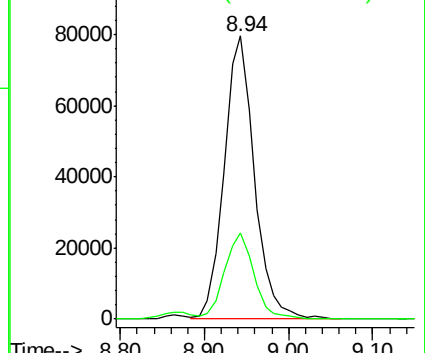
63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 45.395 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

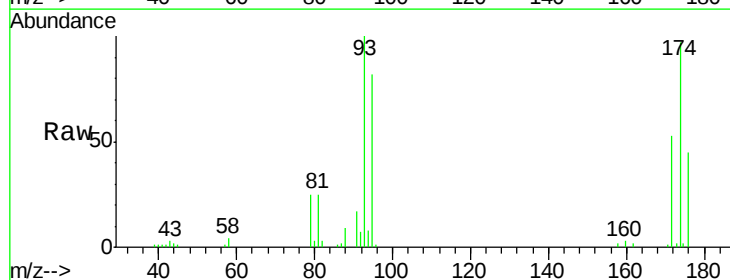
Tgt Ion: 93 Resp: 146037

Ion Ratio Lower Upper

93 100

95 81.6 64.8 97.2

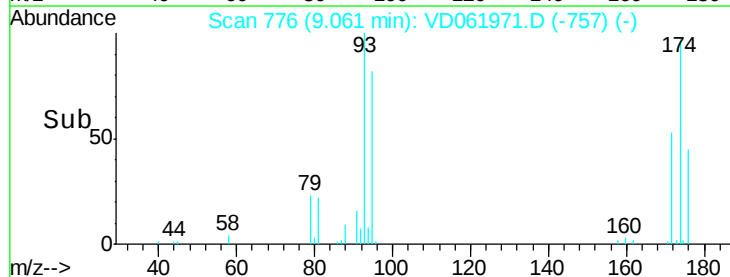
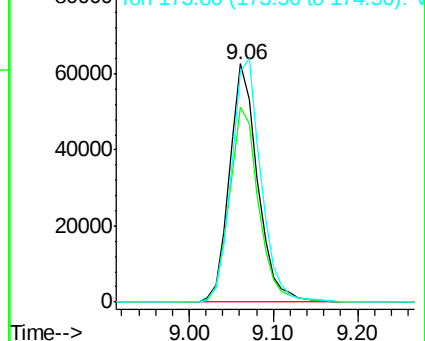
174 96.7 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 43.484 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

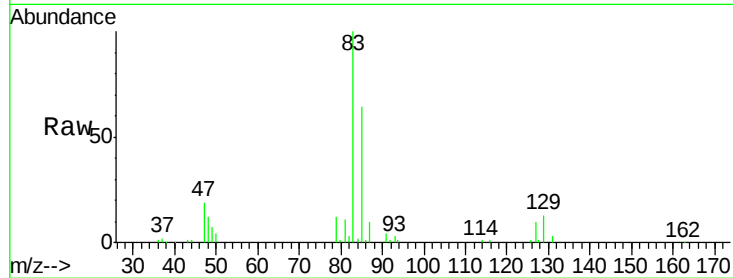
Tot Ion: 83 Resp: 330537

Ion Ratio Lower Upper

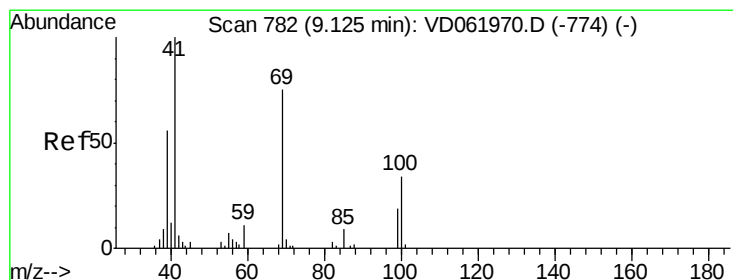
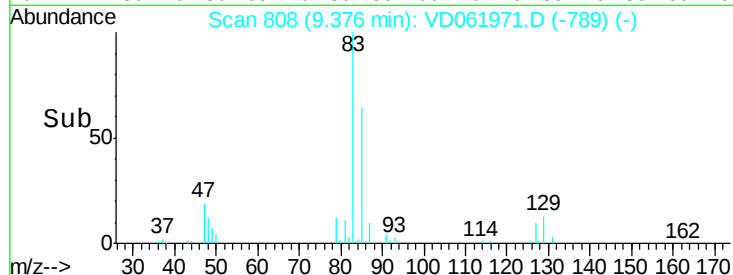
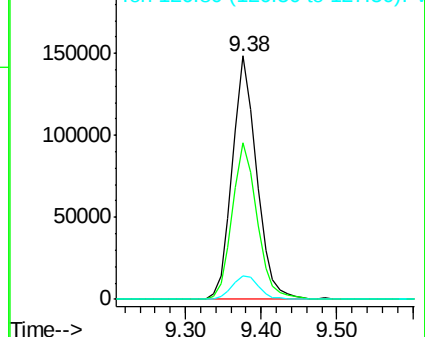
83 100

85 64.2 50.9 76.3

127 9.6 8.1 12.1



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): V



#48

Methyl methacrylate

Concen: 45.318 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

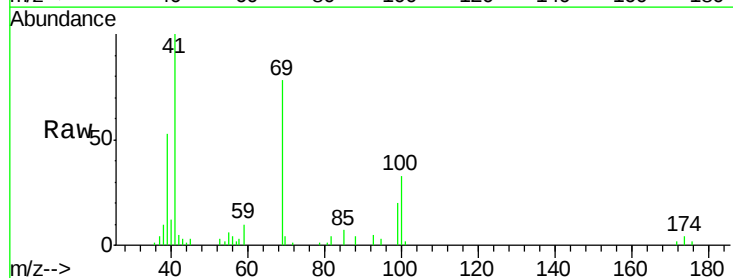
Tgt Ion: 41 Resp: 114605

Ion Ratio Lower Upper

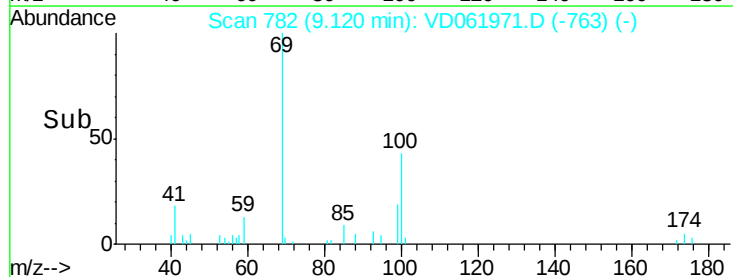
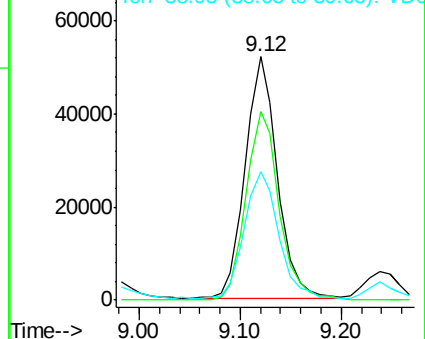
41 100

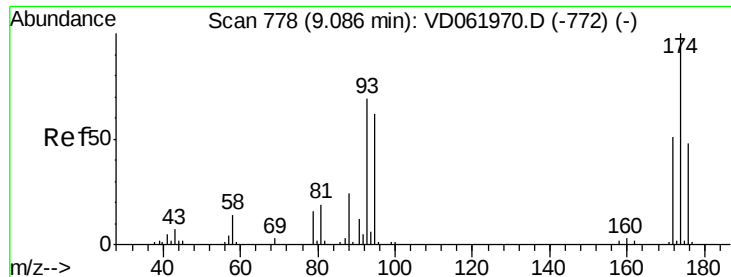
69 77.7 64.2 96.2

39 52.9 46.8 70.2



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

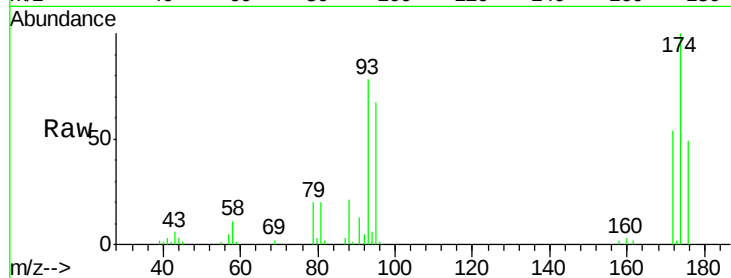




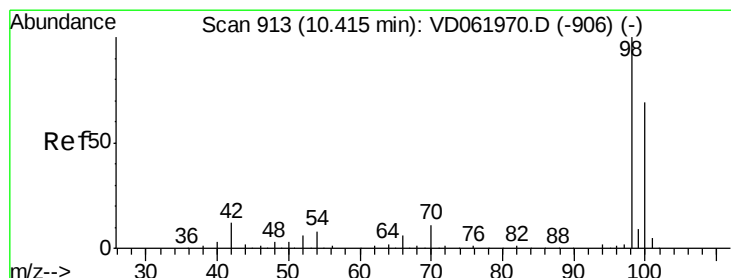
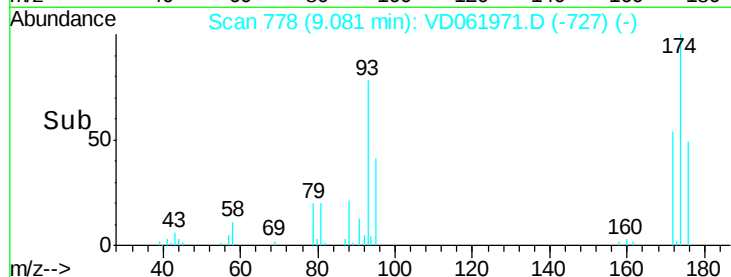
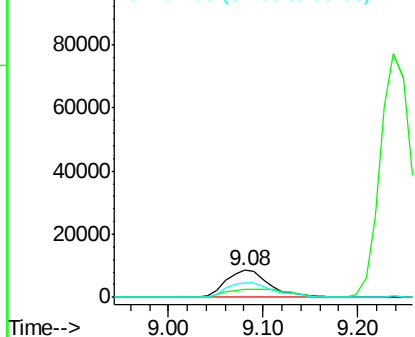
#49
1,4-Dioxane
Concen: 998.171 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion: 88 Resp: 27215
Ion Ratio Lower Upper
88 100
43 31.4 23.4 35.0
58 51.9 44.0 66.0

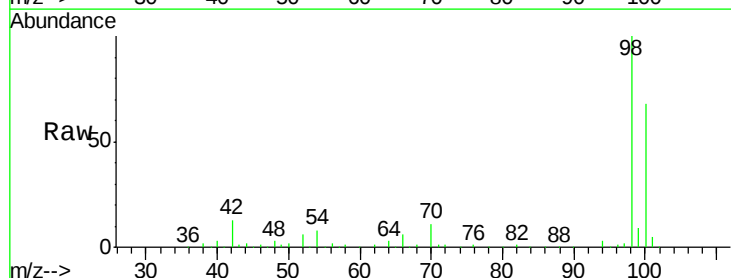


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

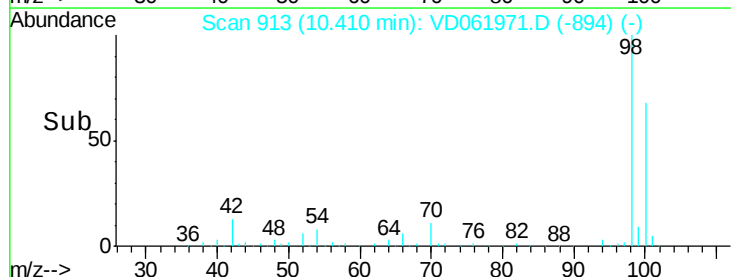
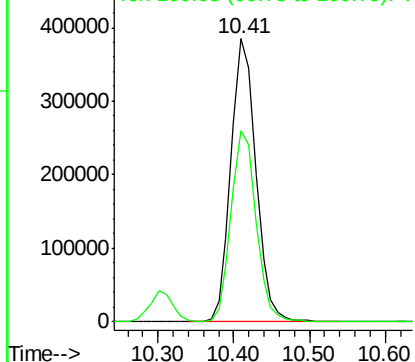


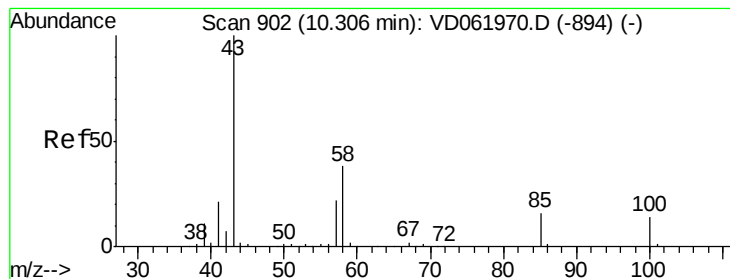
#50
Toluene-d8
Concen: 998.171 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 98 Resp: 882158
Ion Ratio Lower Upper
98 100
100 67.8 53.8 80.8



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: 254.947 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

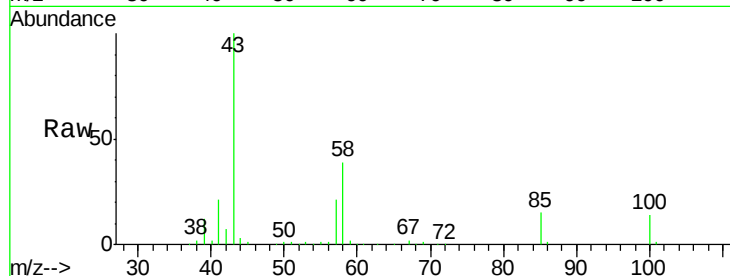
ICVVD042319

Tot Ion: 43 Resp: 691075

Ion Ratio Lower Upper

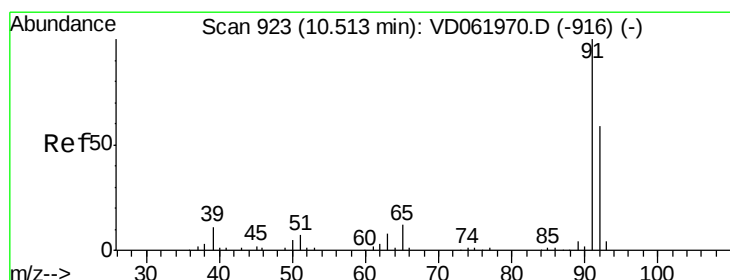
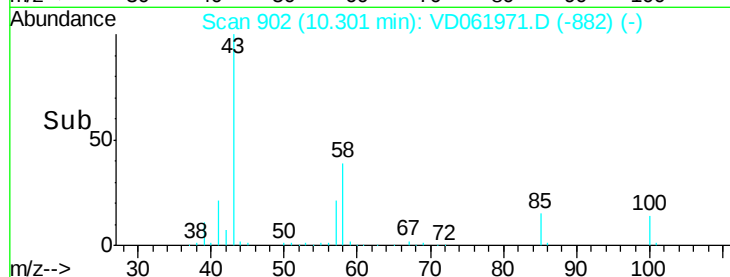
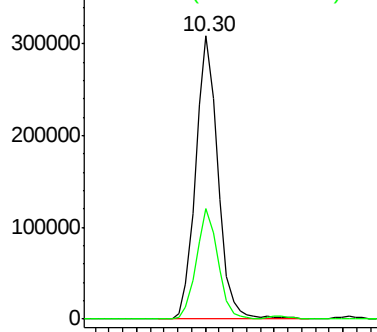
43 100

58 39.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.527 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD061971.D

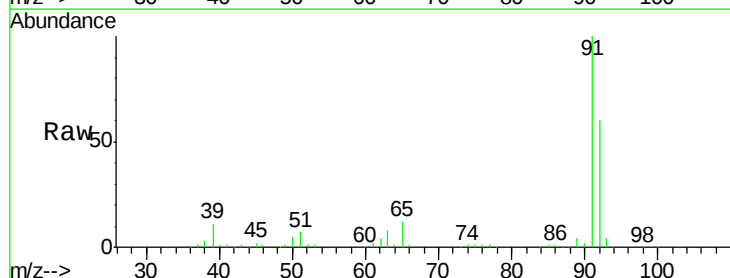
Acq: 23 Apr 2019 15:29

Tgt Ion: 92 Resp: 579009

Ion Ratio Lower Upper

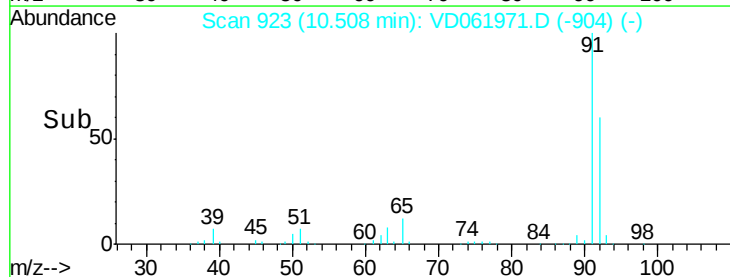
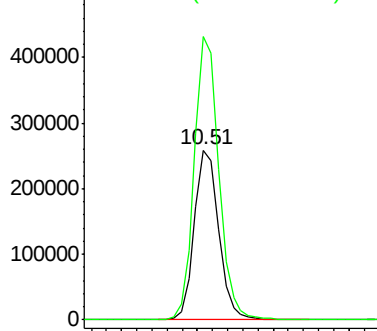
92 100

91 166.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

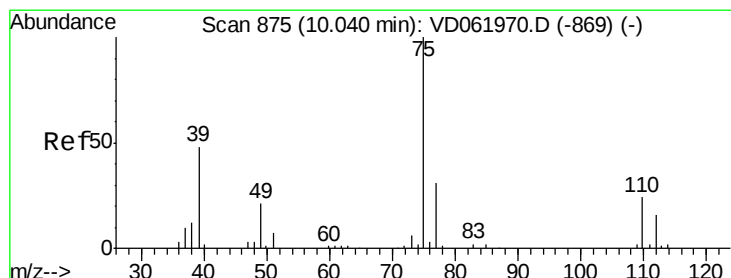
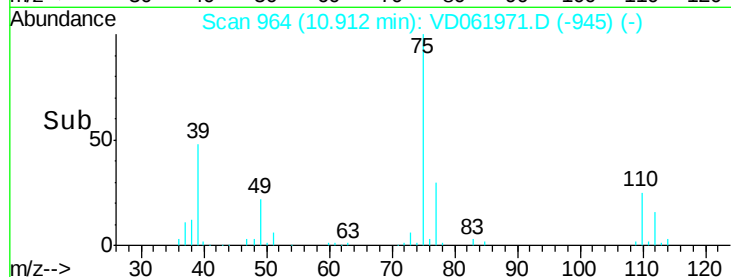
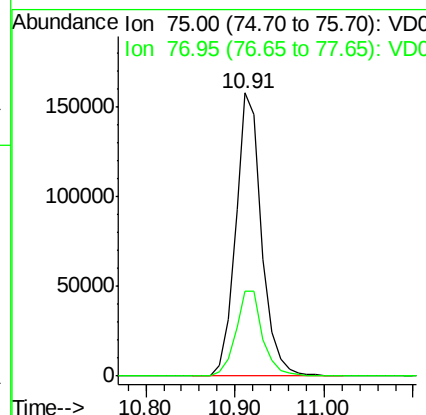
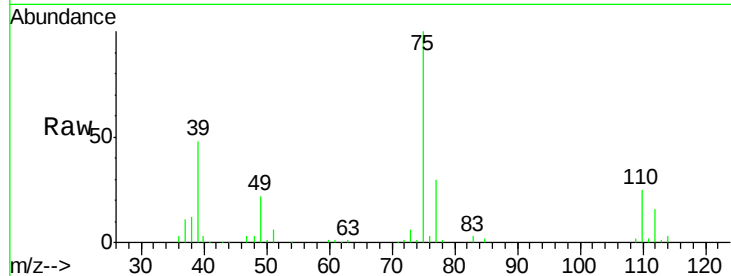




#53
 t-1,3-Dichloropropene
 Concen: 50.190 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

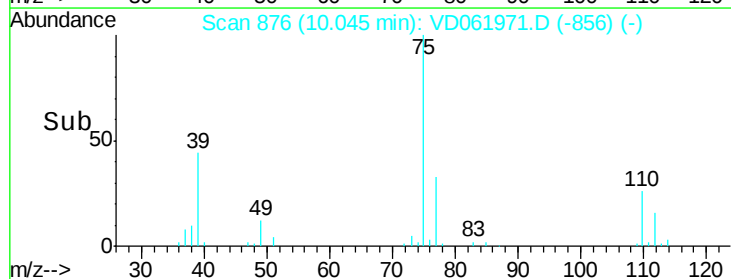
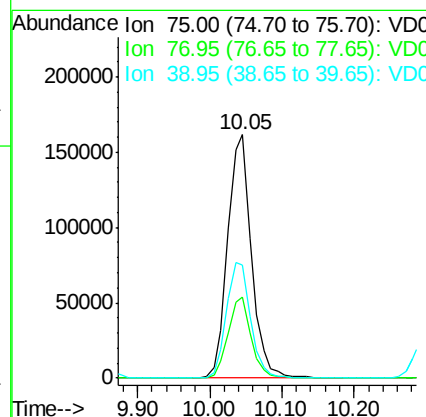
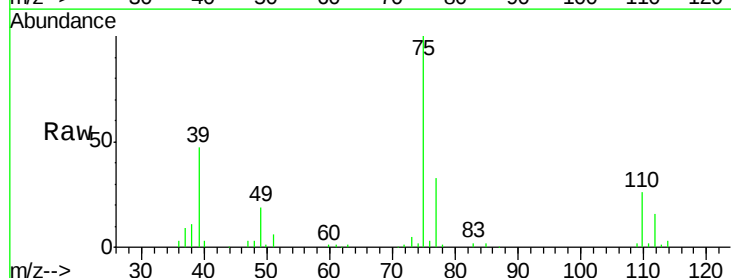
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

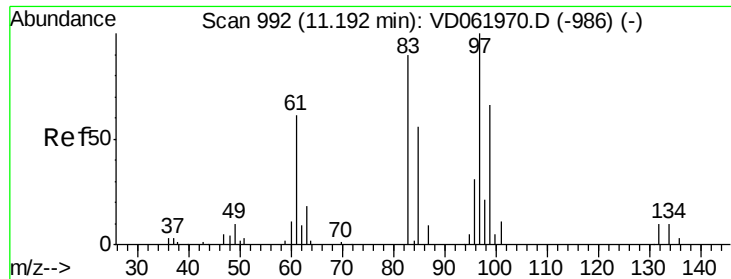
Tot Ion: 75 Resp: 320232
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 47.499 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion: 75 Resp: 368606
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3
 39 46.7 39.4 59.2

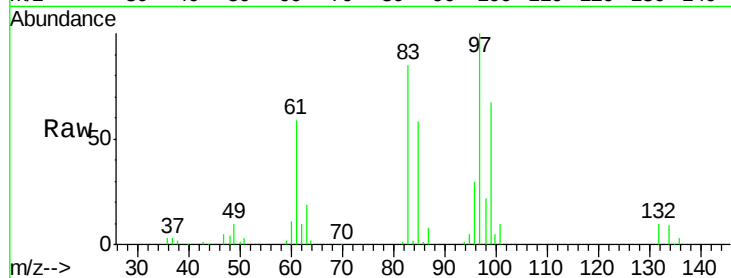




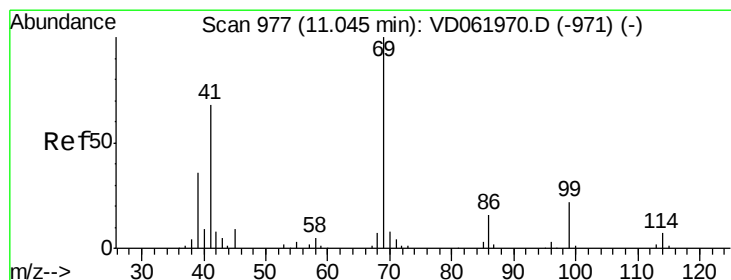
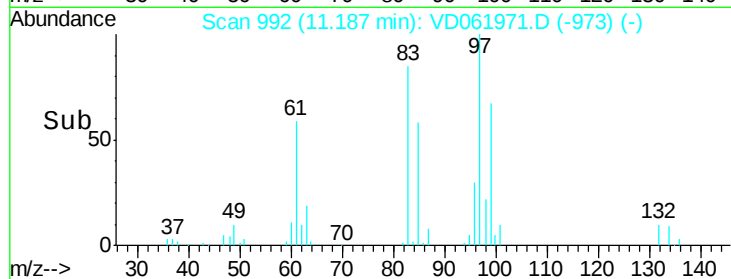
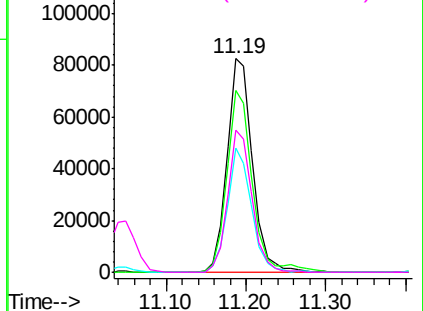
#55
 1,1,2-Trichloroethane
 Concen: 49.073 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

Tot Ion:	97	Resp:	185128
Ion	Ratio	Lower	Upper
97	100		
83	85.1	65.7	98.5
85	58.0	45.6	68.4
99	66.8	48.4	72.6

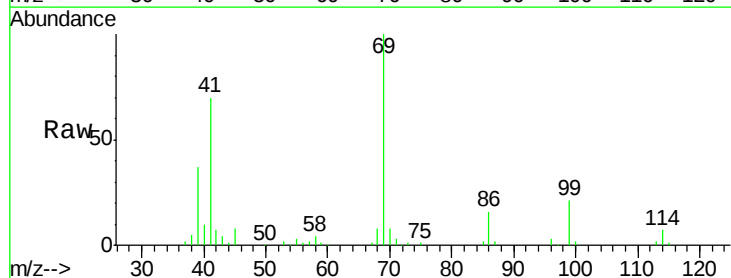


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

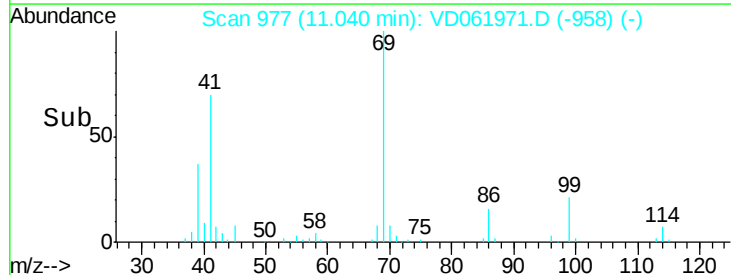
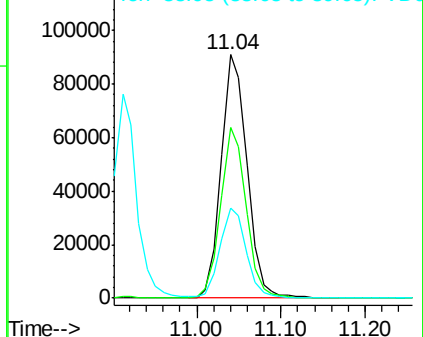


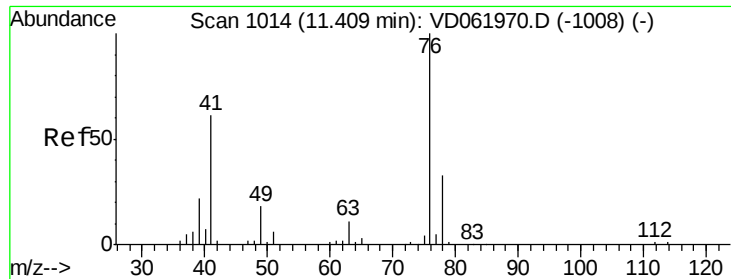
#56
 Ethyl methacrylate
 Concen: 46.461 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion:	69	Resp:	194124
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.3	84.5
39	36.7	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 45.094 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

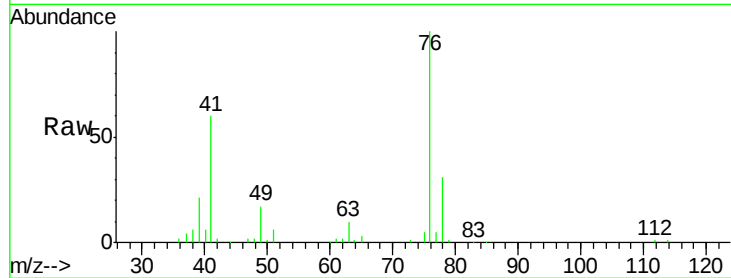
ICVVD042319

Tot Ion: 76 Resp: 262744

Ion Ratio Lower Upper

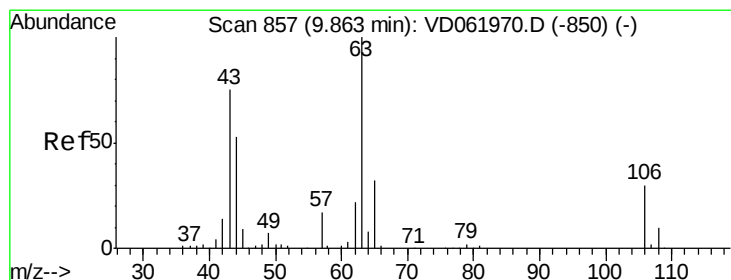
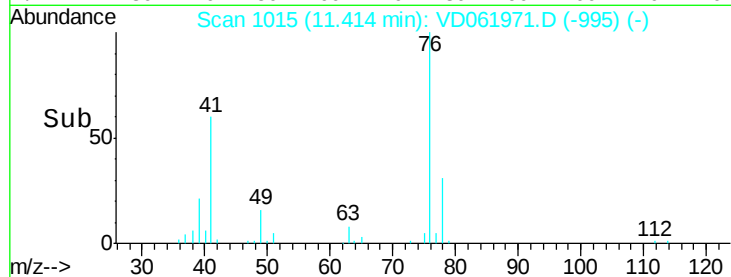
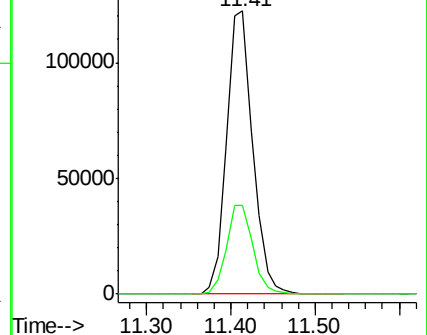
76 100

78 31.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.221 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD061971.D

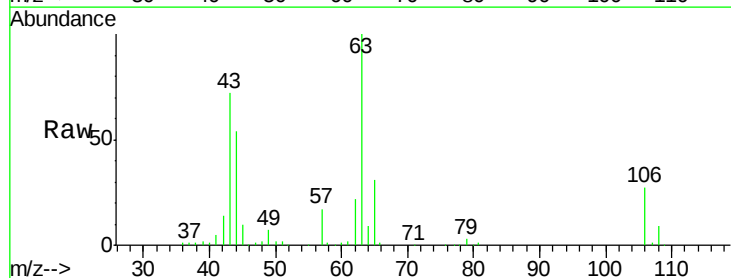
Acq: 23 Apr 2019 15:29

Tgt Ion: 63 Resp: 517149

Ion Ratio Lower Upper

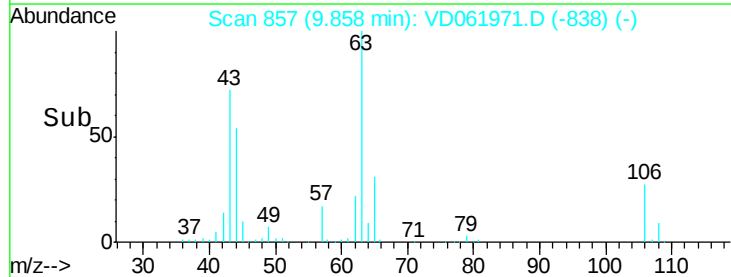
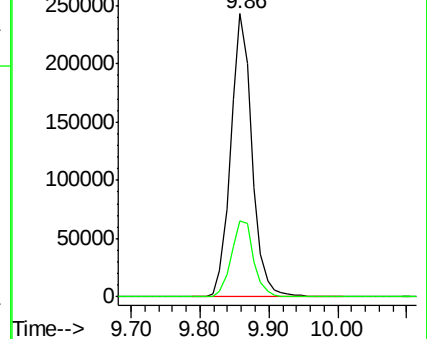
63 100

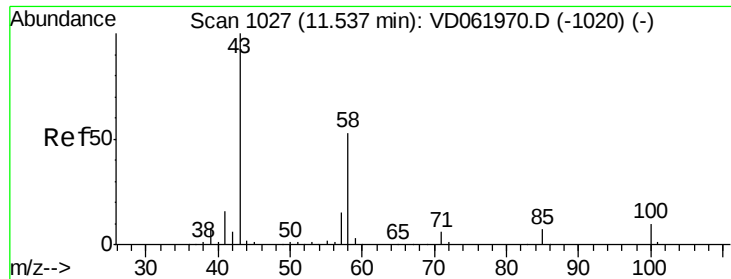
106 26.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

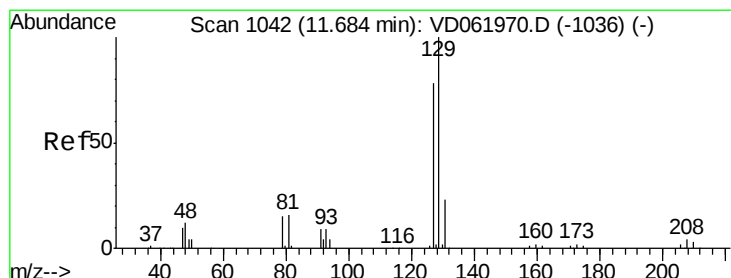
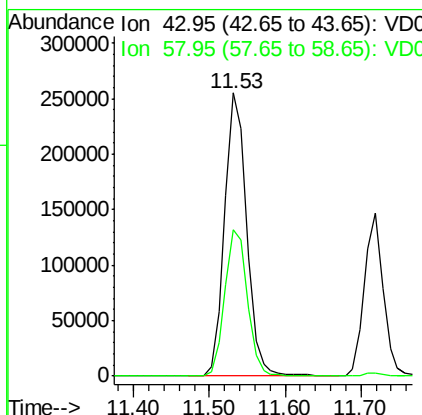
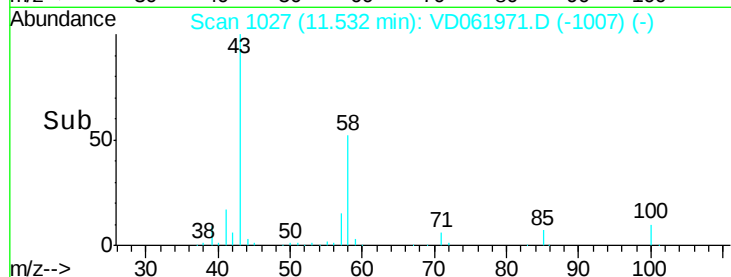
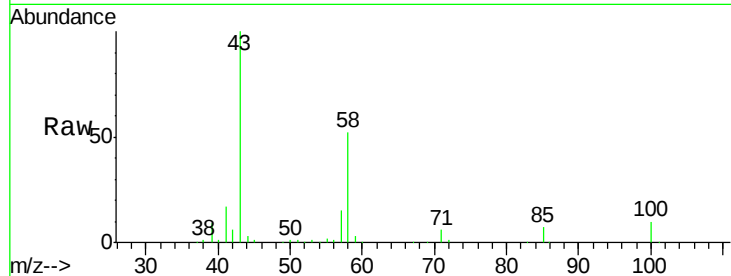




#59
2-Hexanone
Concen: 253.753 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

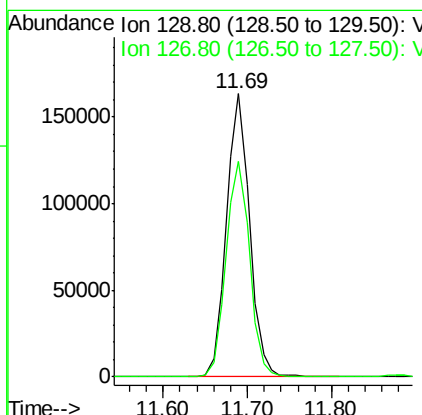
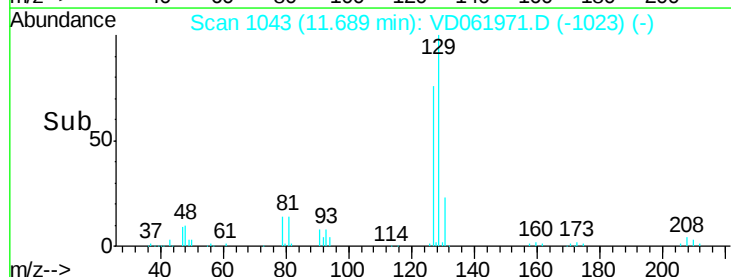
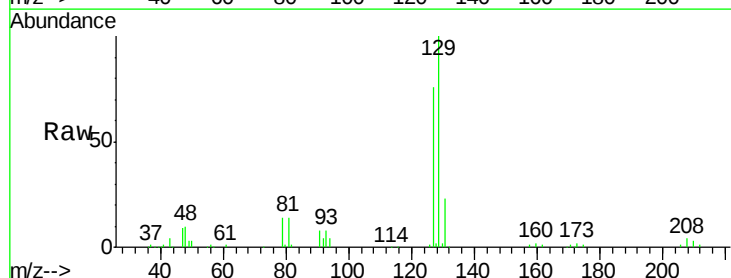
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

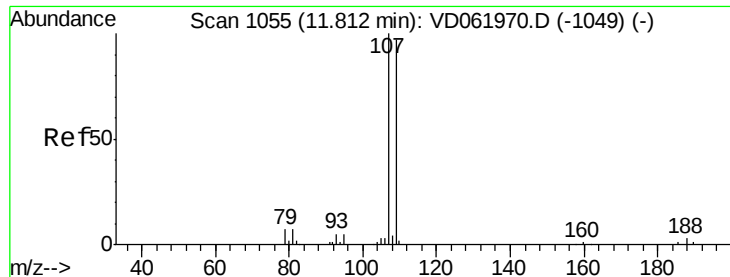
Tot Ion: 43 Resp: 515978
Ion Ratio Lower Upper
43 100
58 51.9 25.4 76.4



#60
Dibromochloromethane
Concen: 49.904 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 129 Resp: 311504
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9

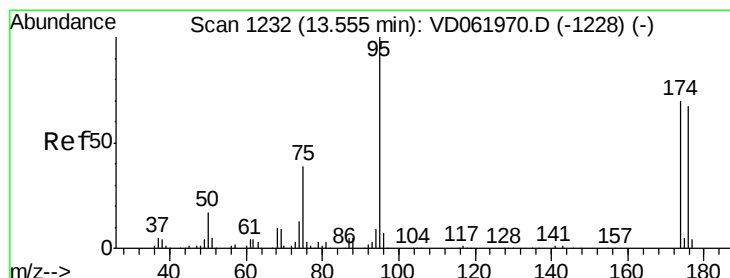
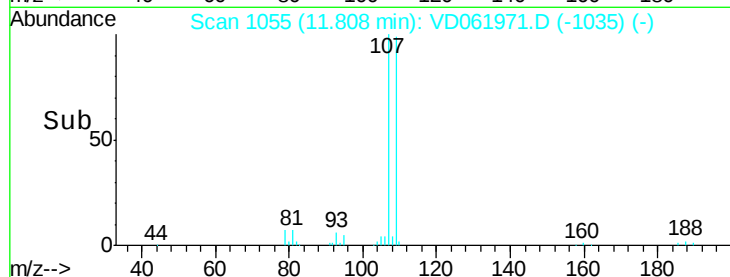
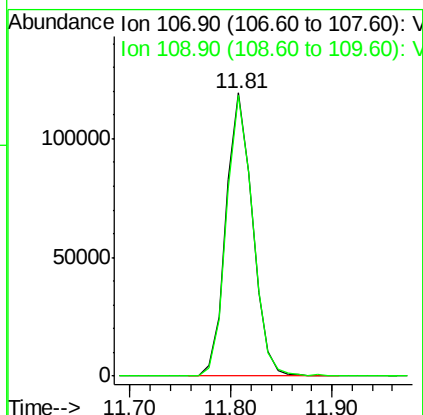
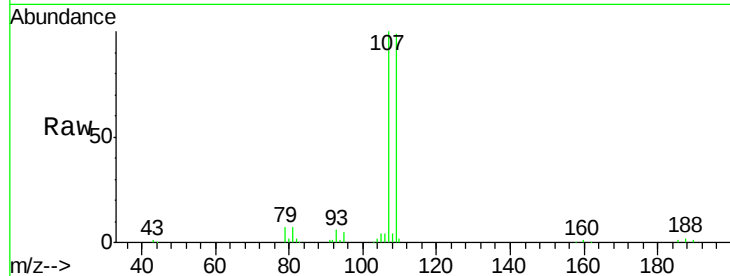




#61
1,2-Dibromoethane
Concen: 48.507 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

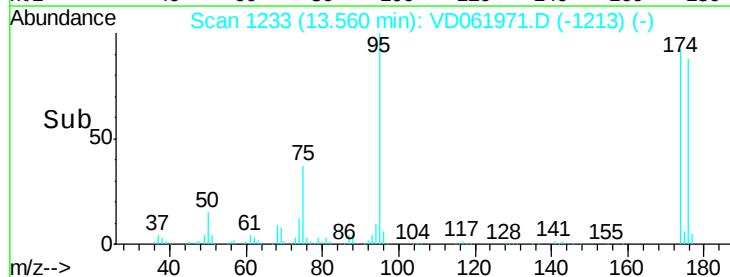
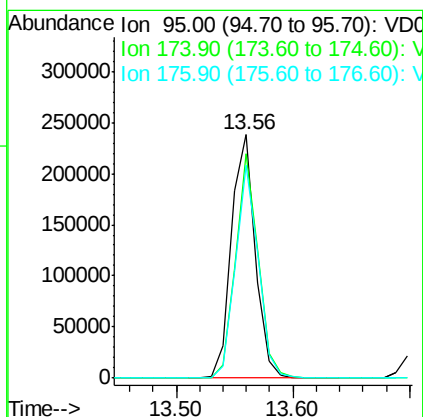
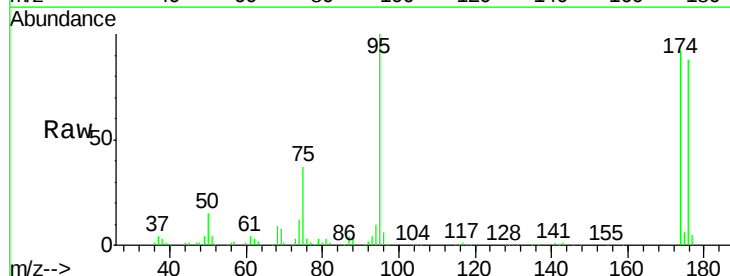
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

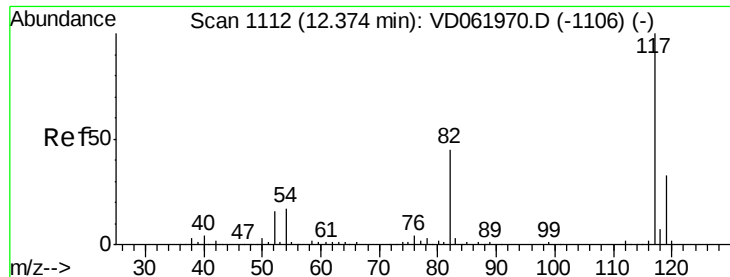
Tot Ion:107 Resp: 217072
Ion Ratio Lower Upper
107 100
109 99.1 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 48.507 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion: 95 Resp: 335849
Ion Ratio Lower Upper
95 100
174 92.4 0.0 181.8
176 87.5 0.0 174.4

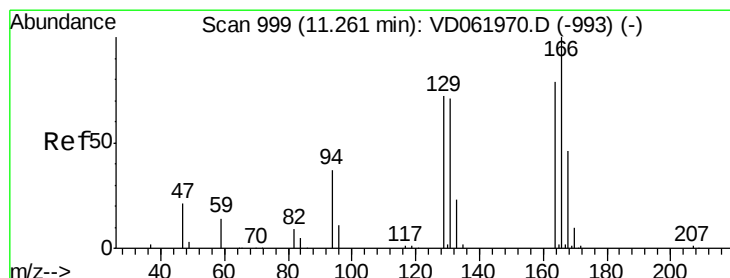
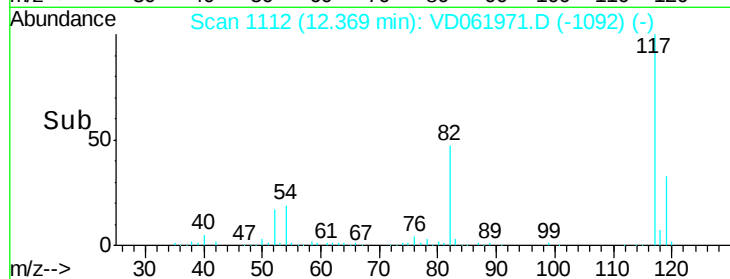
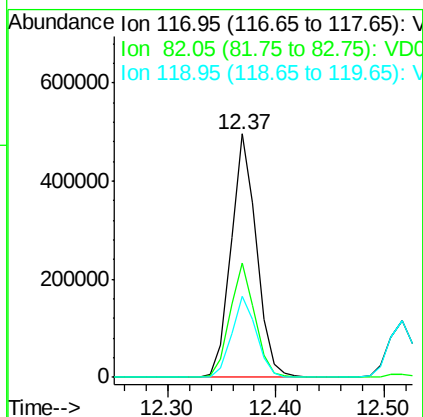
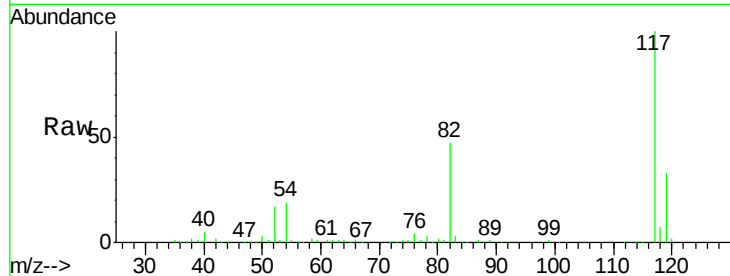




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

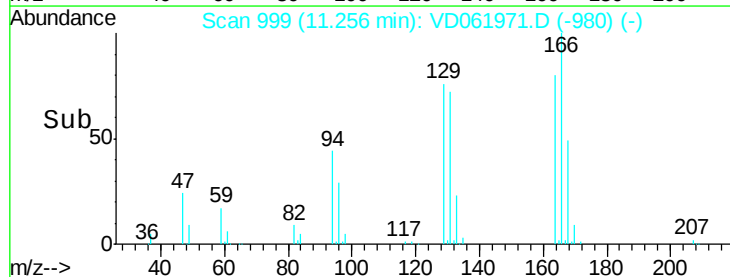
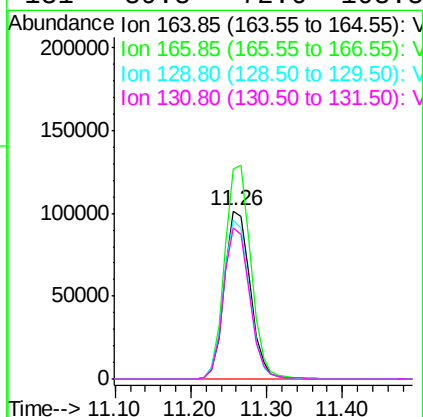
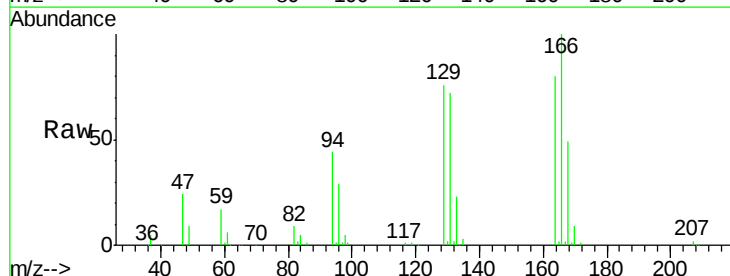
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

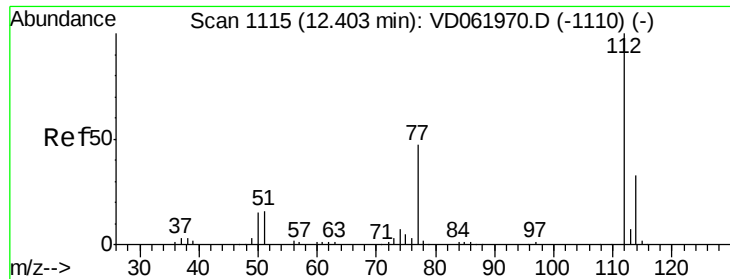
Tot Ion:117 Resp: 811408
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 33.2 26.2 39.4



#64
Tetrachloroethene
Concen: 41.271 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion:164 Resp: 238885
Ion Ratio Lower Upper
164 100
166 124.6 101.5 152.3
129 94.7 74.6 112.0
131 89.8 72.6 108.8

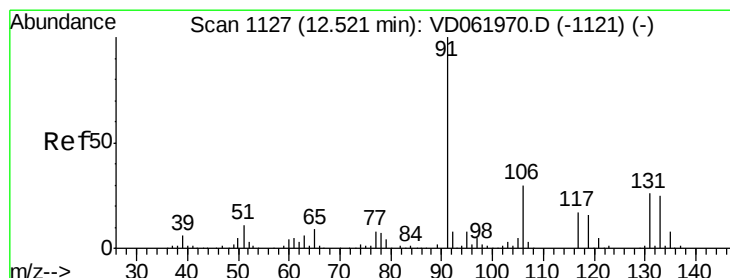
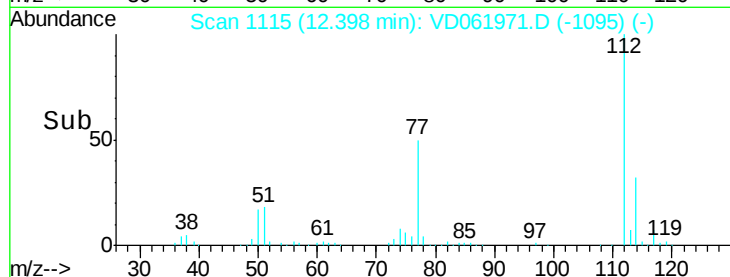
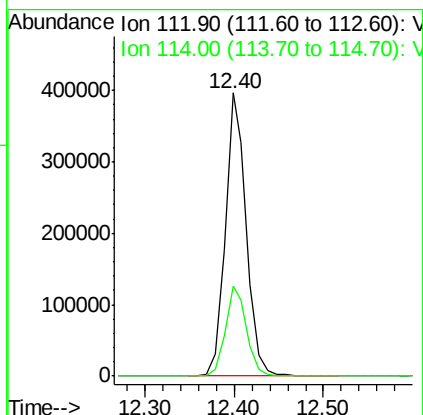
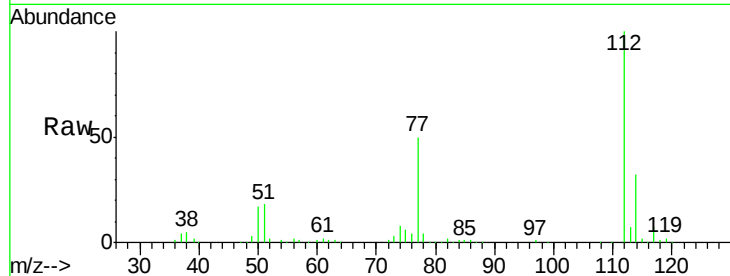




#65
Chlorobenzene
Concen: 42.553 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

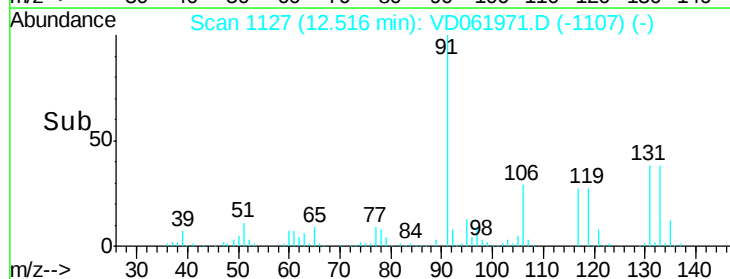
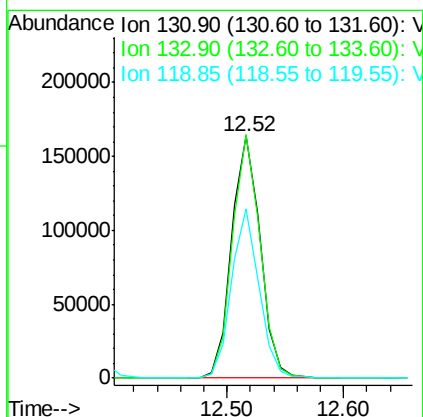
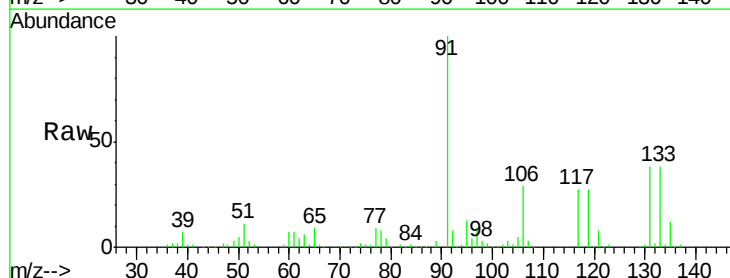
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion:112 Resp: 652446
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 42.851 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion:131 Resp: 278694
Ion Ratio Lower Upper
131 100
133 100.5 48.6 145.8
119 69.9 34.7 104.1

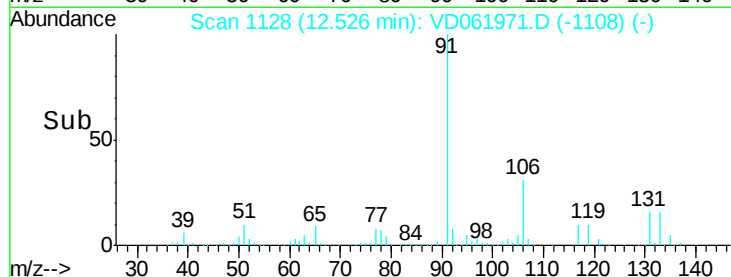
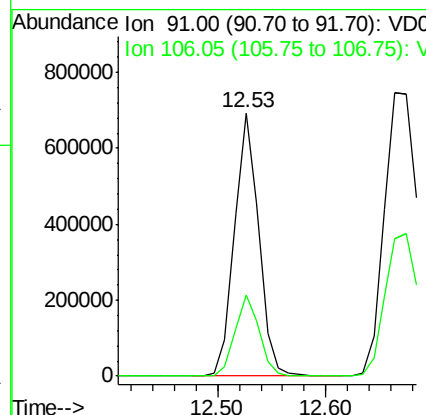
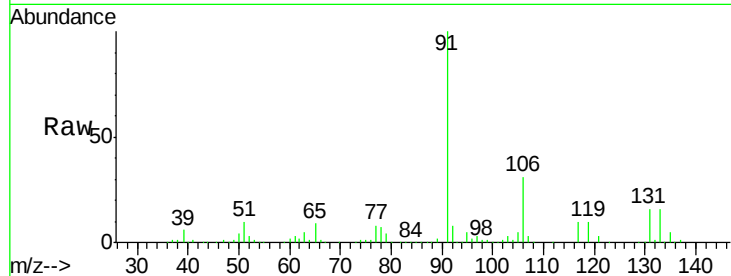




#67
Ethvl Benzene
Concen: 43.183 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

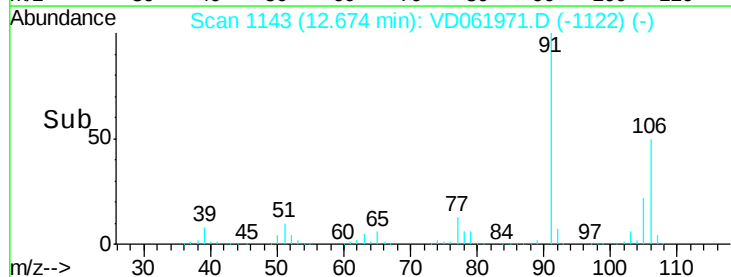
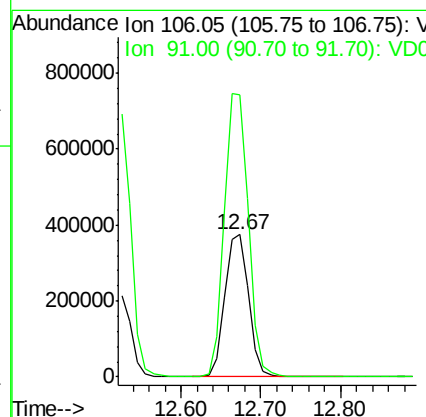
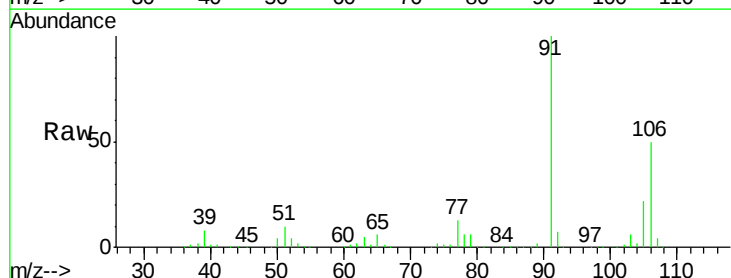
Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion: 91 Resp: 1080702
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 87.341 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion:106 Resp: 790003
Ion Ratio Lower Upper
106 100
91 198.5 164.0 246.0

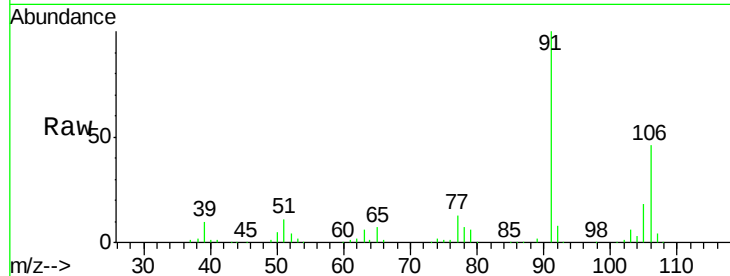




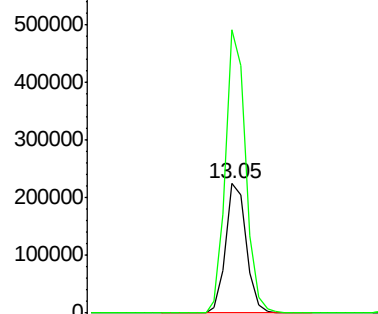
#69
o-Xylene
Concen: 43.122 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

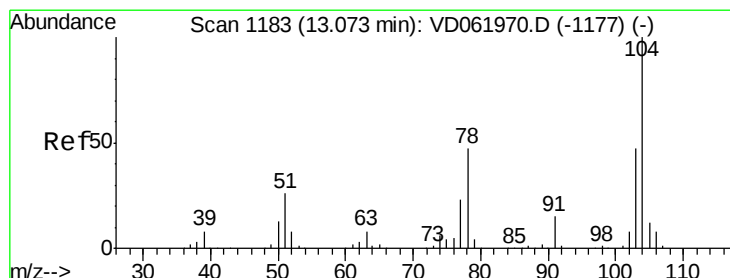
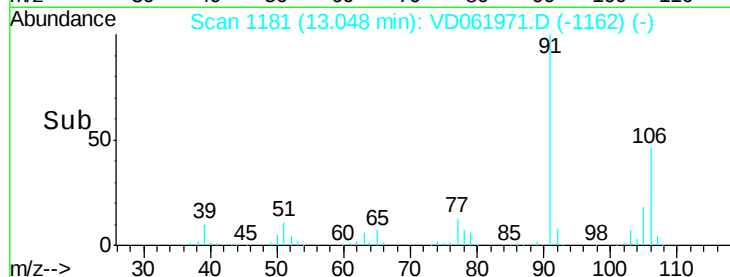
Tot Ion:106 Resp: 356871
Ion Ratio Lower Upper
106 100
91 218.3 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

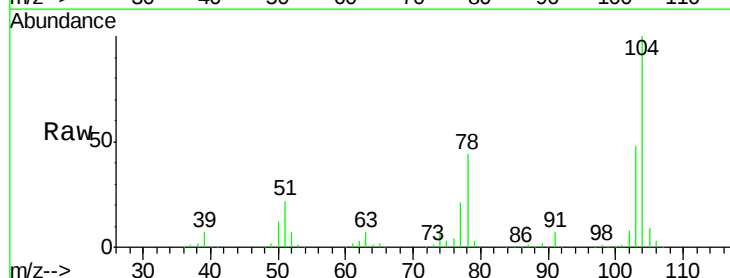


Time--> 12.90 13.00 13.10

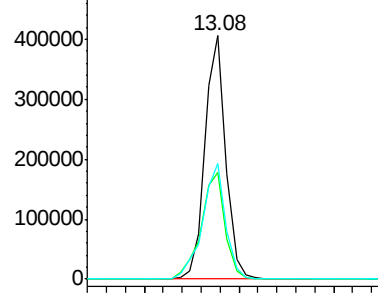


#70
Styrene
Concen: 43.197 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

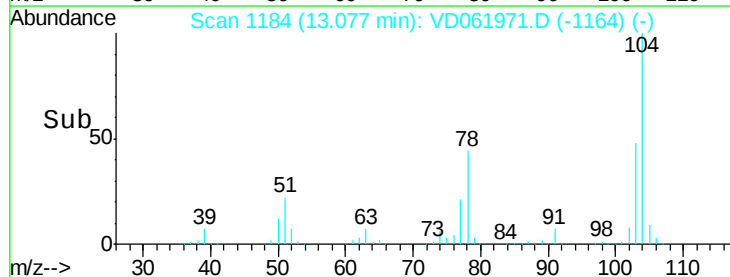
Tgt Ion:104 Resp: 617279
Ion Ratio Lower Upper
104 100
78 43.6 35.4 53.2
103 47.6 37.5 56.3

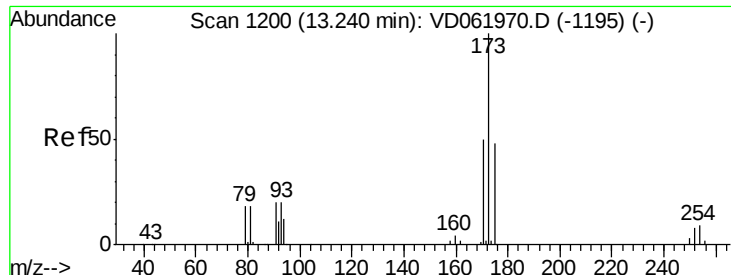


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 13.00 13.10 13.20





#71

Bromoform

Concen: 43.212 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

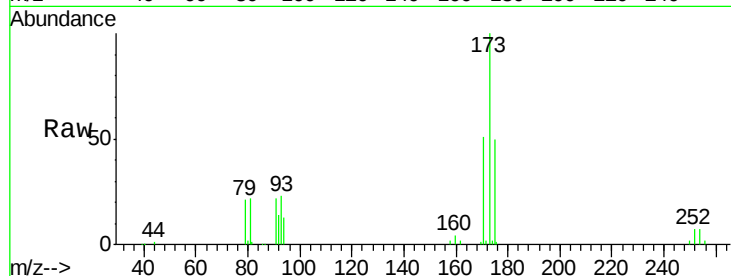
Tot Ion:173 Resp: 160227

Ion Ratio Lower Upper

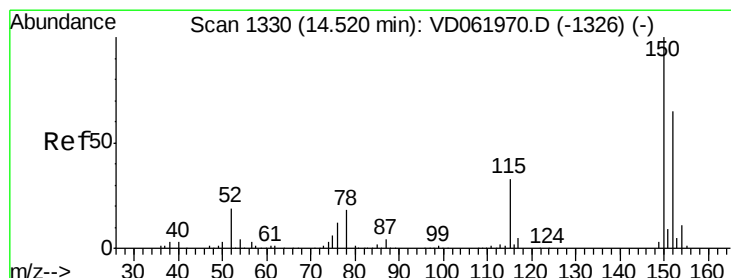
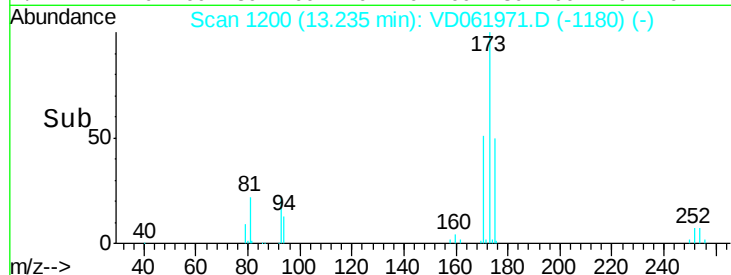
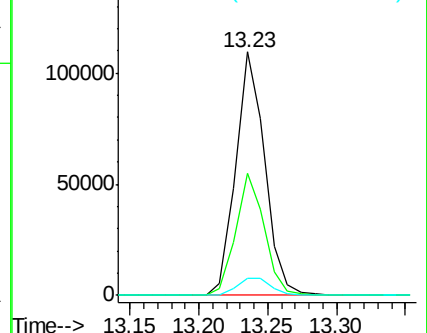
173 100

175 50.1 24.4 73.4

254 7.0 5.4 8.2



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# 1331

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

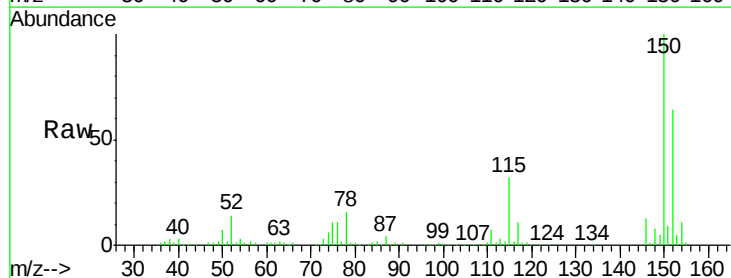
Tgt Ion:152 Resp: 360770

Ion Ratio Lower Upper

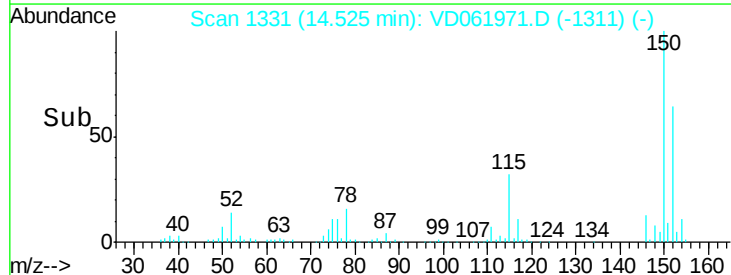
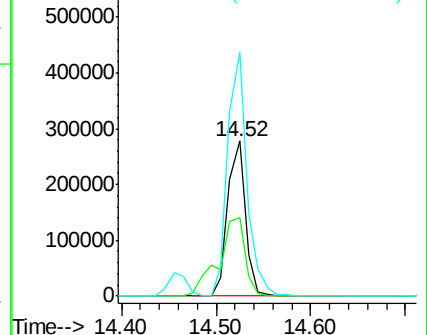
152 100

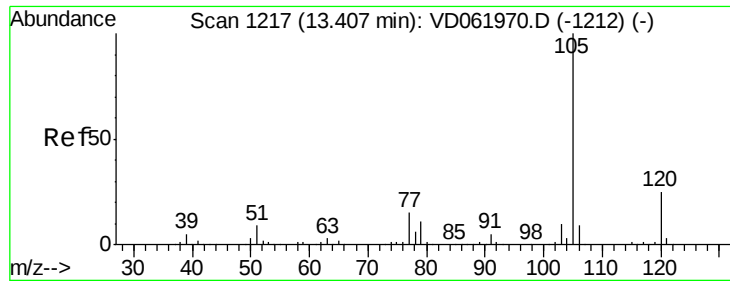
115 50.9 30.9 92.7

150 156.9 0.0 314.8



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: 40.282 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

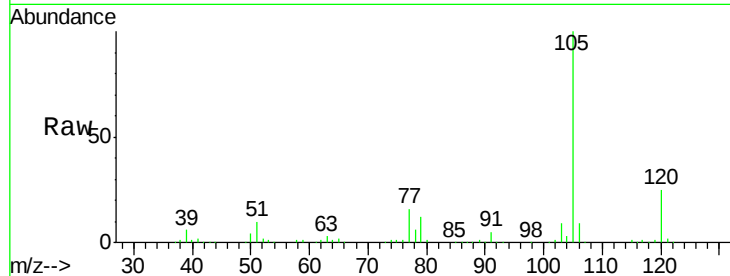
ICVVD042319

Tot Ion:105 Resp: 969409

Ion Ratio Lower Upper

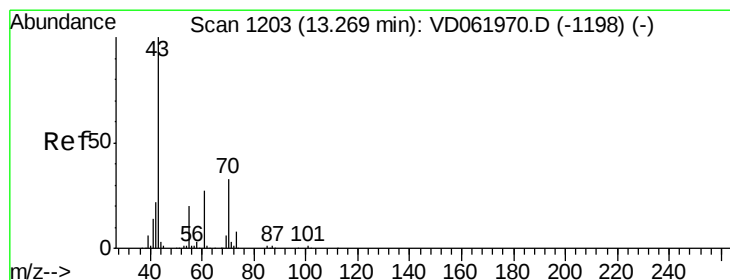
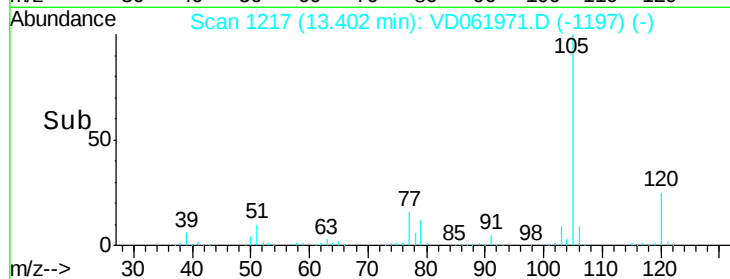
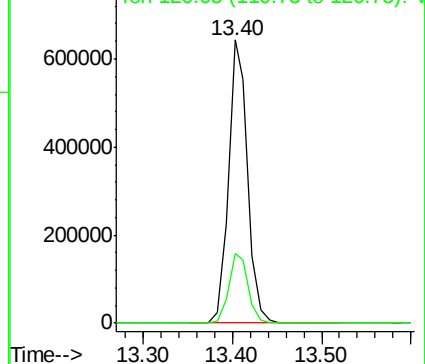
105 100

120 24.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 39.448 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Tgt Ion: 43 Resp: 244494

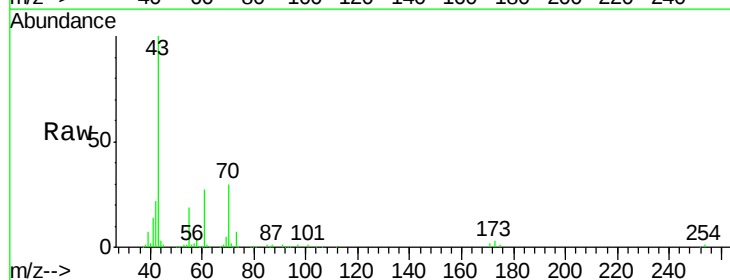
Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 19.3 16.0 24.0

61 26.8 21.6 32.4

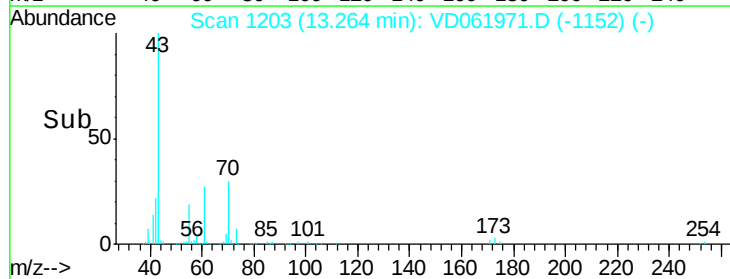
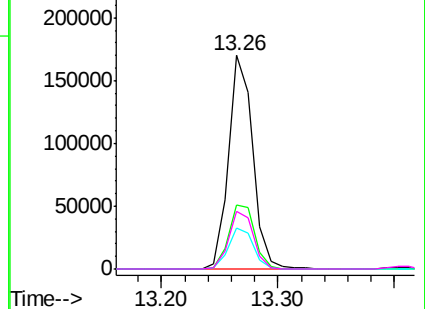


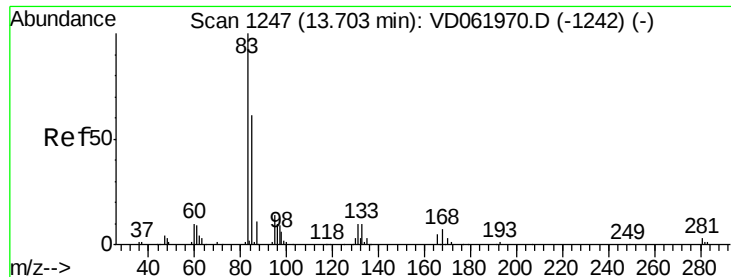
Abundance Ion 42.95 (42.65 to 43.65): V

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: 43.514 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

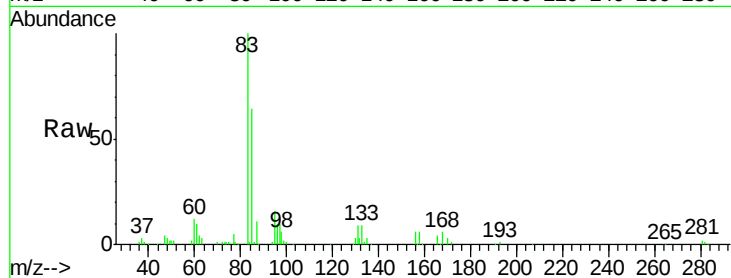
Tot Ion: 83 Resp: 205213

Ion Ratio Lower Upper

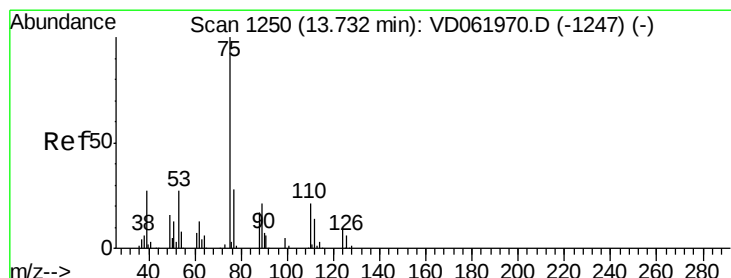
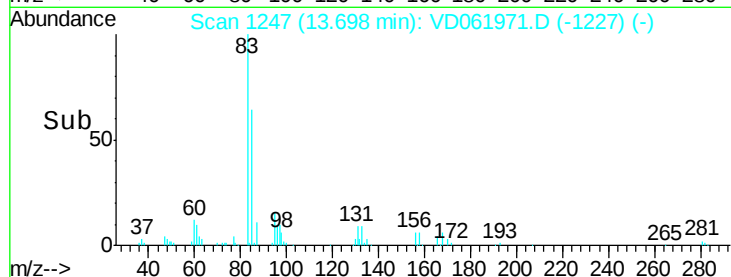
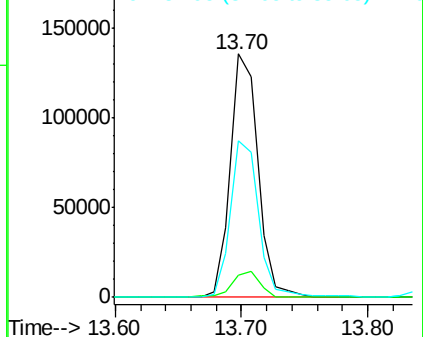
83 100

131 9.2 5.0 14.9

85 64.4 32.6 97.7



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: 47.138 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061971.D

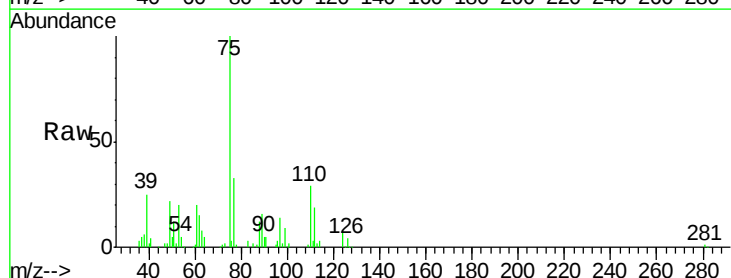
Acq: 23 Apr 2019 15:29

Tgt Ion: 75 Resp: 215950

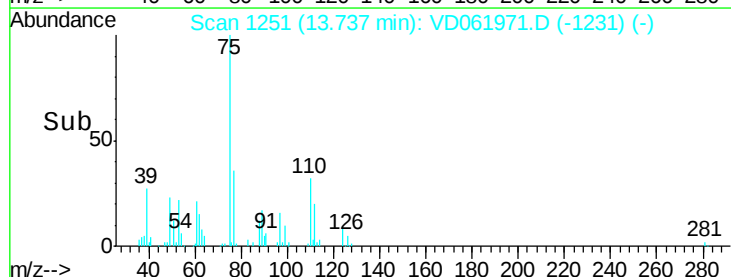
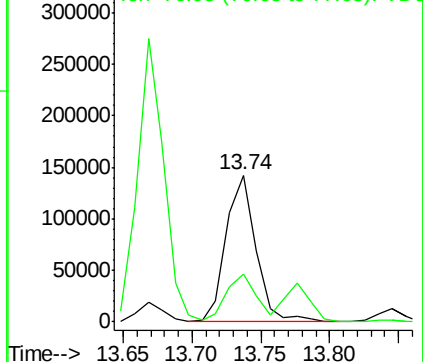
Ion Ratio Lower Upper

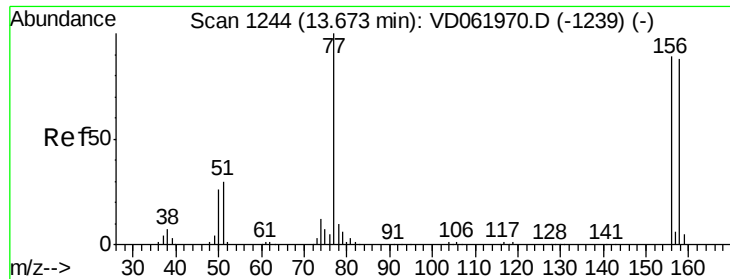
75 100

77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 43.520 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

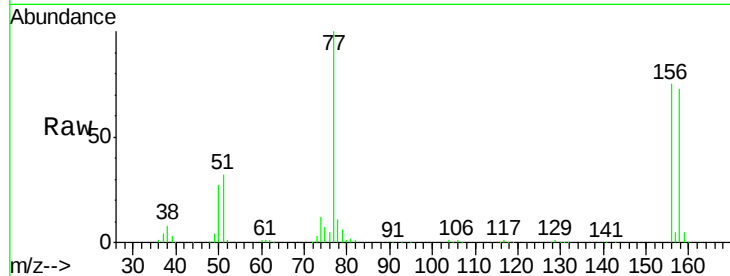
Tot Ion:156 Resp: 300451

Ion Ratio Lower Upper

156 100

77 133.4 53.1 159.4

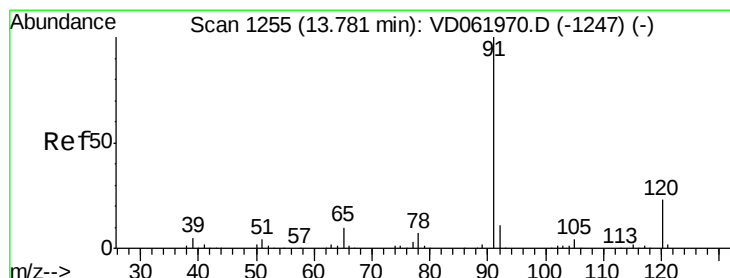
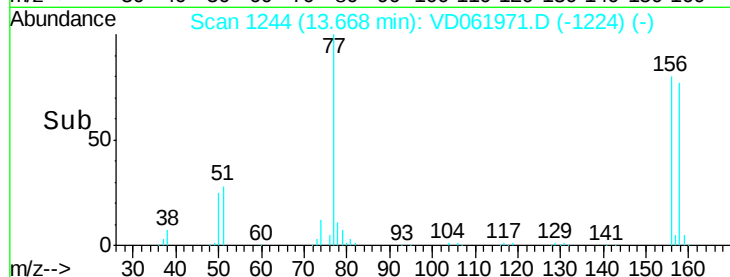
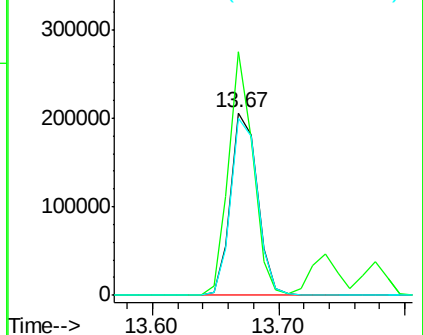
158 96.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.989 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061971.D

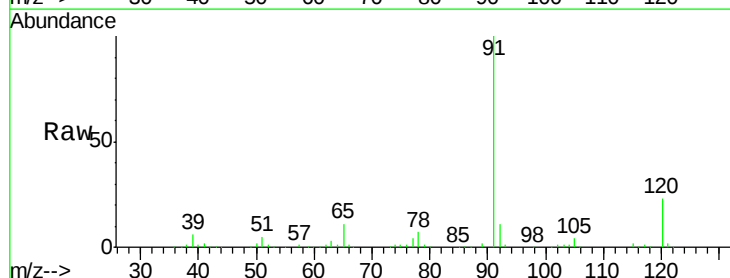
Acq: 23 Apr 2019 15:29

Tgt Ion: 91 Resp: 1322080

Ion Ratio Lower Upper

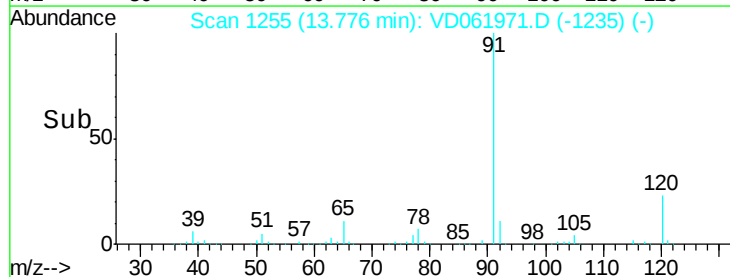
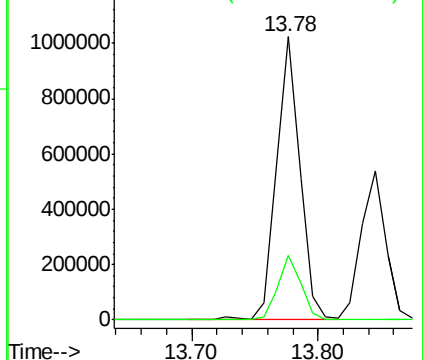
91 100

120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

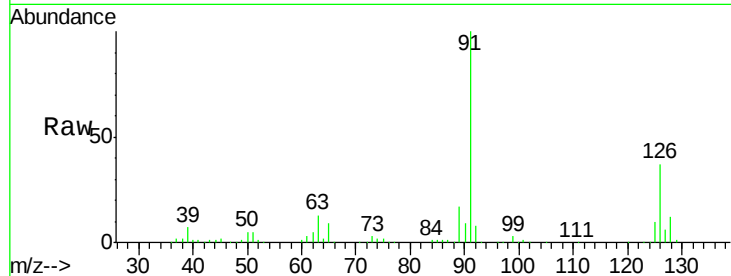




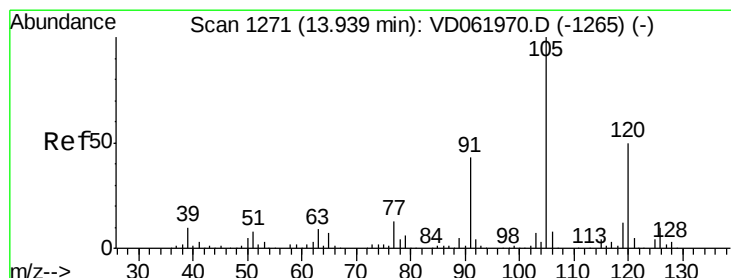
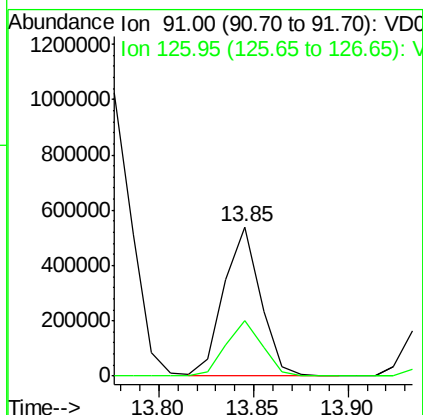
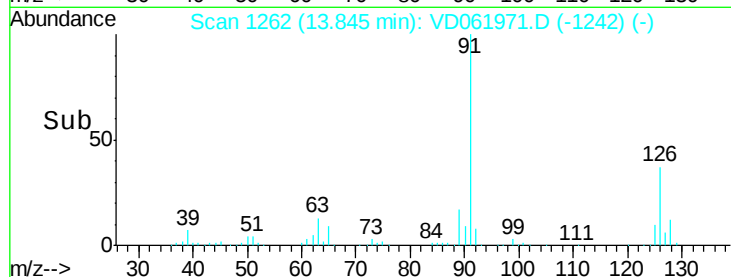
#79
 2-Chlorotoluene
 Concen: 43.217 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

Tot Ion: 91 Resp: 721168
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.6 55.8

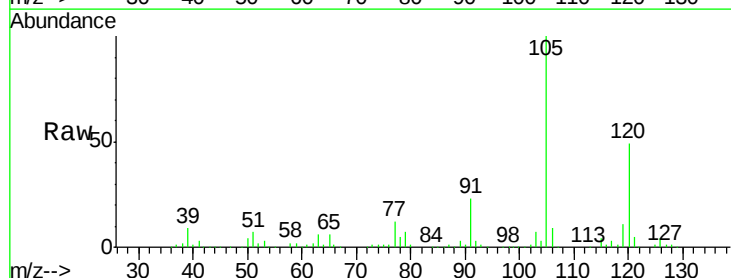


Abundance Ion 91.00 (90.70 to 91.70): VD061971.D (-1242) (-)
 Ion 125.95 (125.65 to 126.65): VD061971.D (-1242) (-)

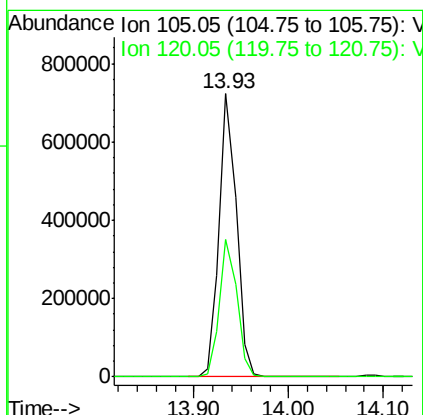
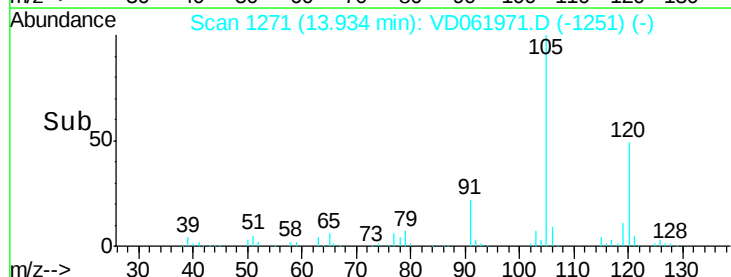


#80
 1,3,5-Trimethylbenzene
 Concen: 48.070 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion: 105 Resp: 922428
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061971.D (-1251) (-)
 Ion 120.05 (119.75 to 120.75): VD061971.D (-1251) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.880 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

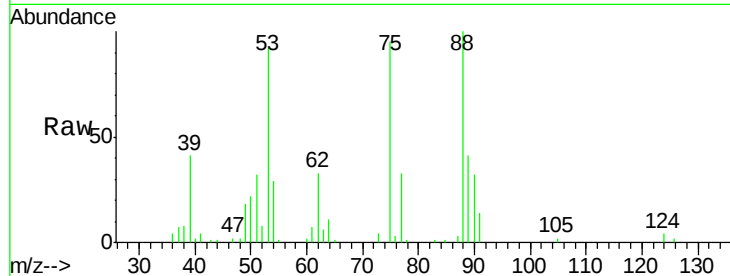
Tot Ion: 75 Resp: 66471

Ion Ratio Lower Upper

75 100

53 96.3 65.8 98.8

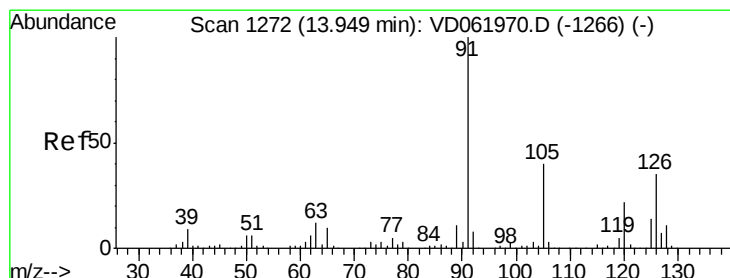
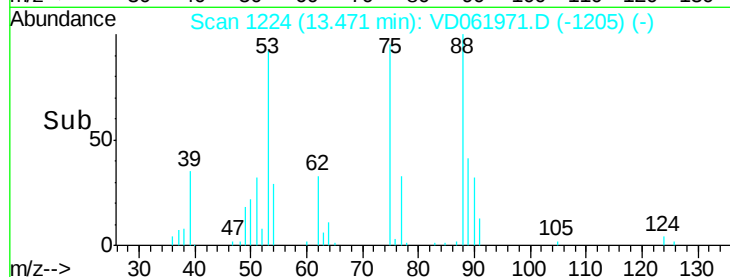
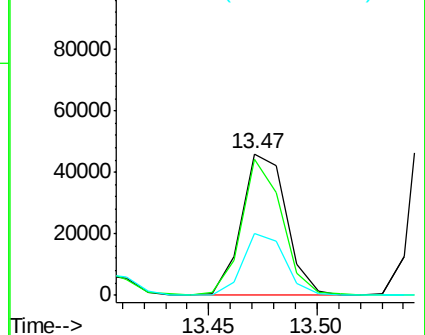
89 43.4 35.0 52.6



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: 46.371 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061971.D

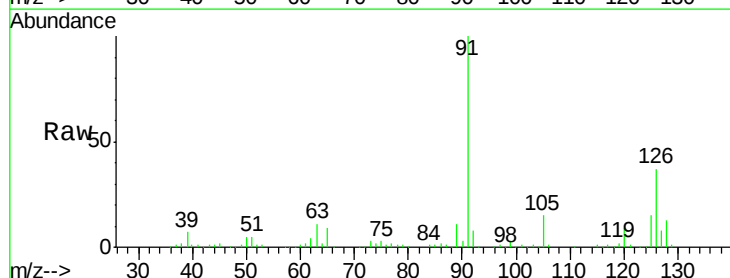
Acq: 23 Apr 2019 15:29

Tgt Ion: 91 Resp: 852170

Ion Ratio Lower Upper

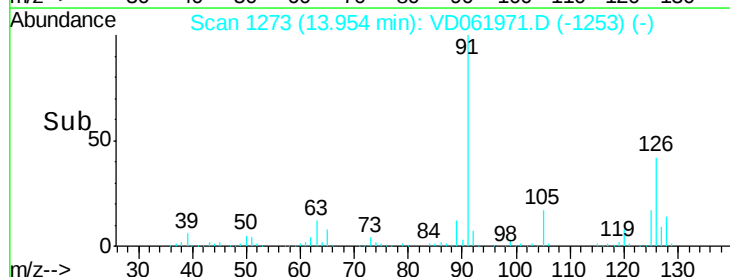
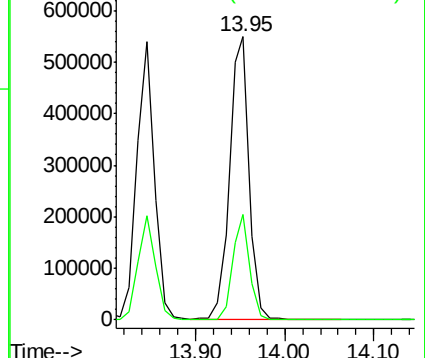
91 100

126 37.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

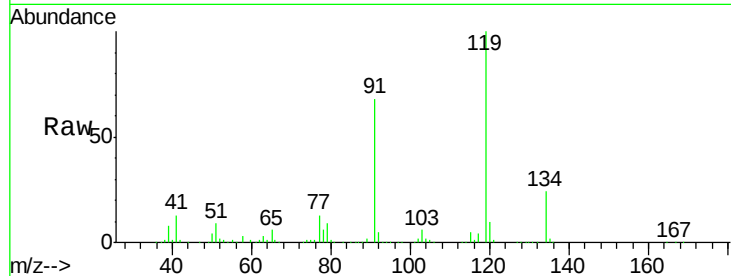




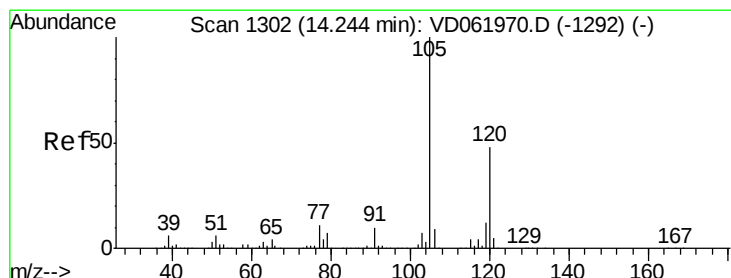
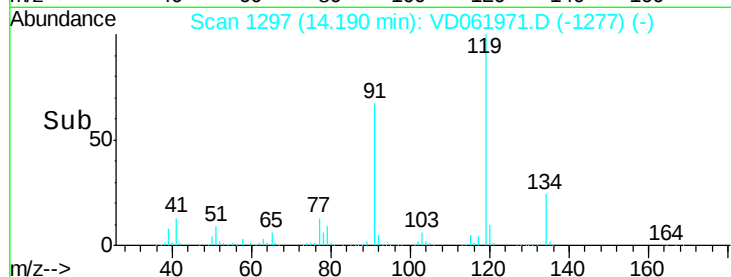
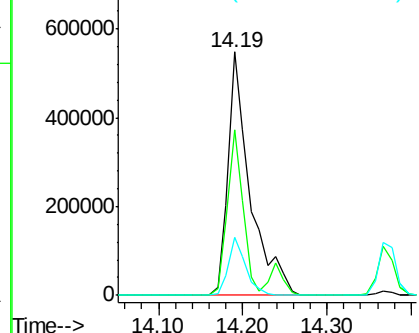
#83
tert-Butylbenzene
Concen: 45.051 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion:119 Resp: 1001462
Ion Ratio Lower Upper
119 100
91 67.8 34.2 102.6
134 23.8 12.0 36.0

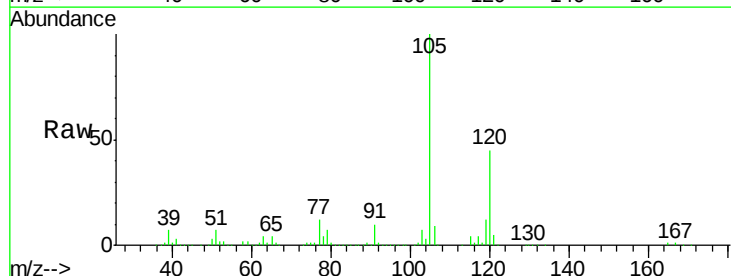


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

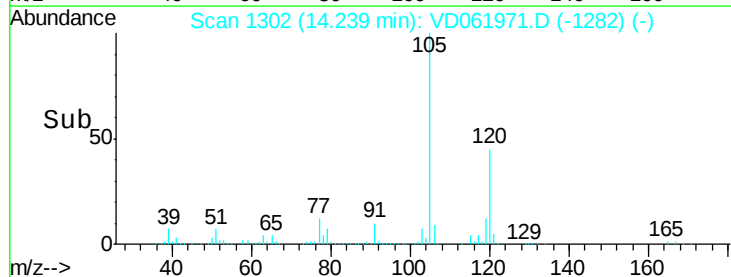
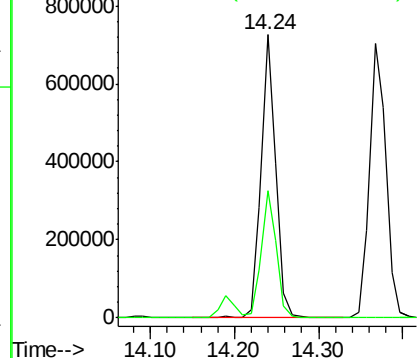


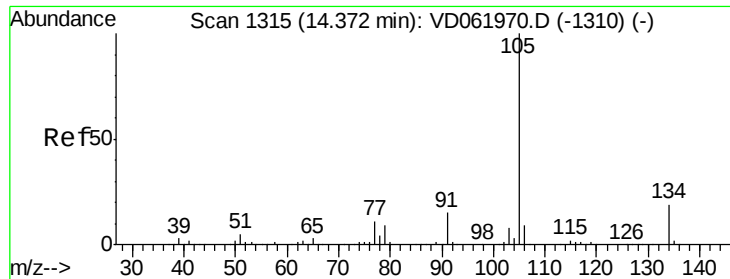
#84
1,2,4-Trimethylbenzene
Concen: 48.873 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion:105 Resp: 895479
Ion Ratio Lower Upper
105 100
120 45.1 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 39.719 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

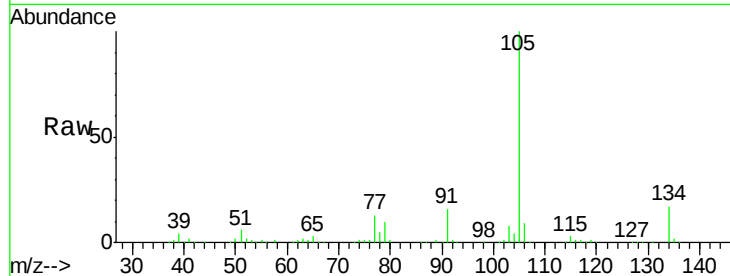
ICVVD042319

Tot Ion:105 Resp: 954022

Ion Ratio Lower Upper

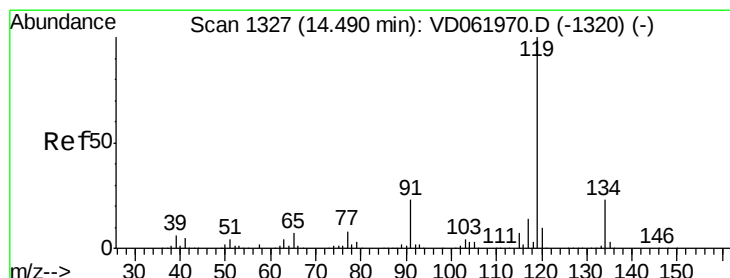
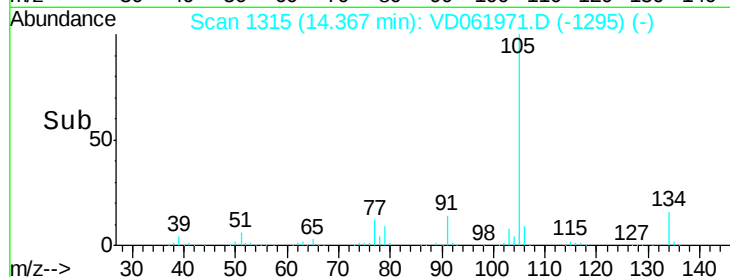
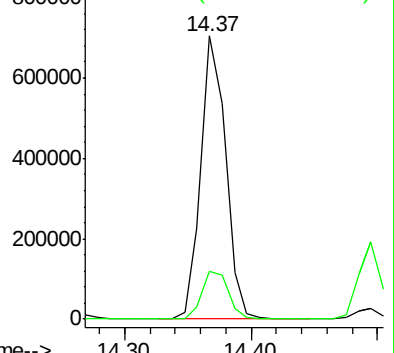
105 100

134 17.1 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 44.576 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

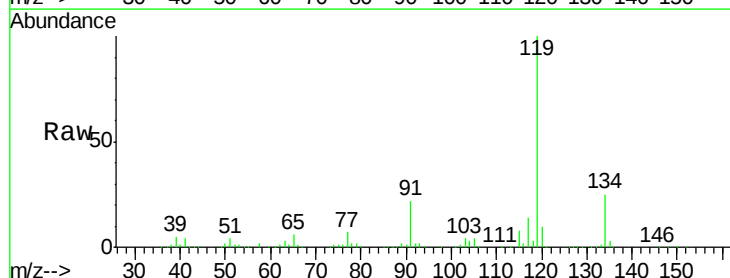
Tgt Ion:119 Resp: 958237

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

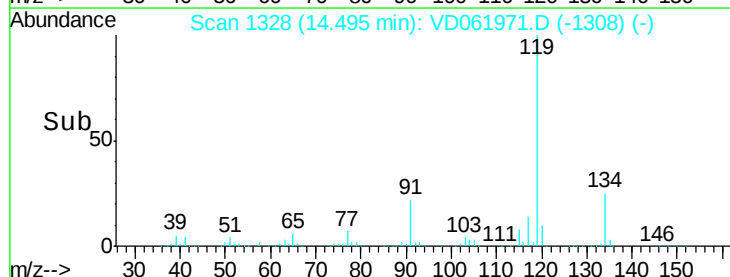
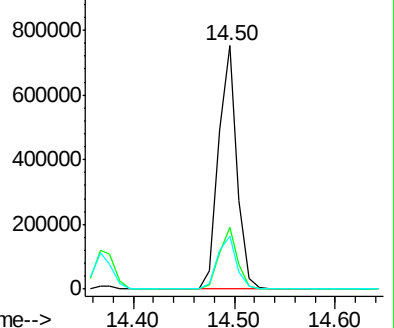
91 21.7 10.7 32.1



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

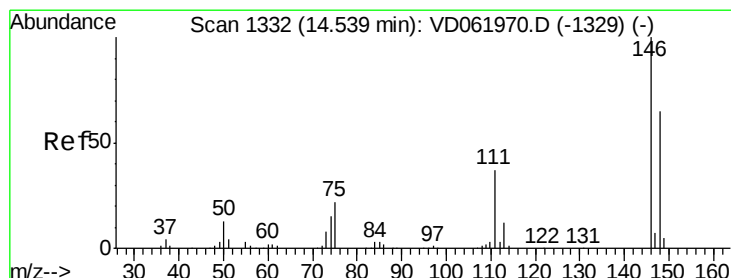
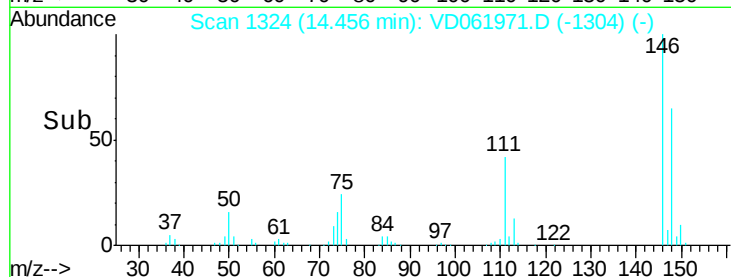
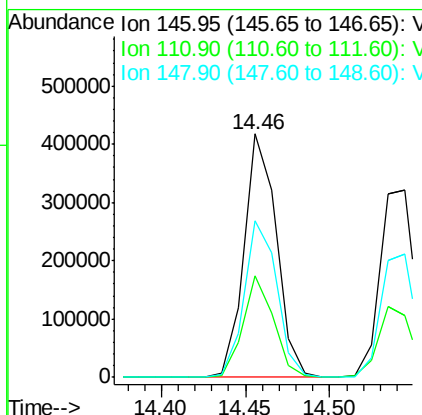
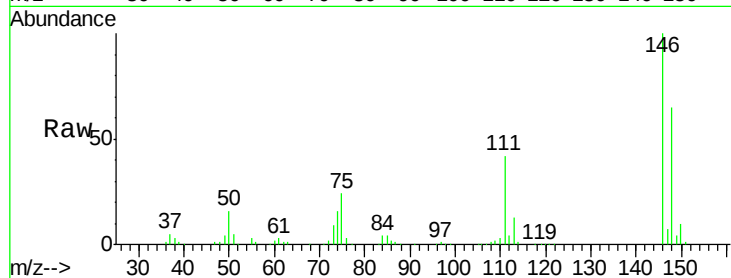




#87
 1,3-Dichlorobenzene
 Concen: 46.141 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

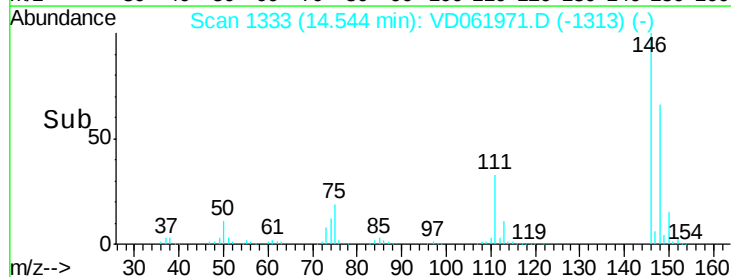
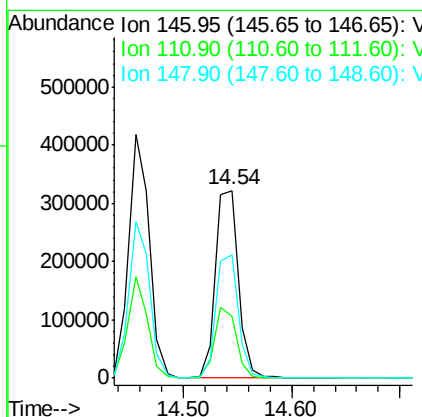
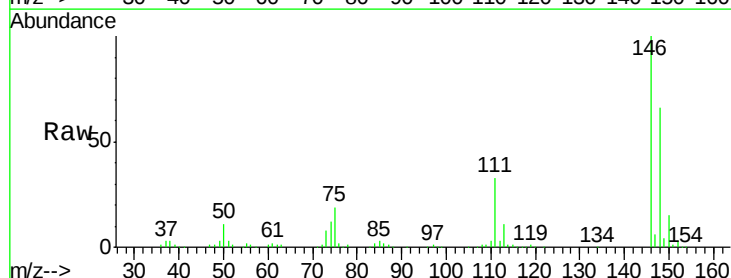
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

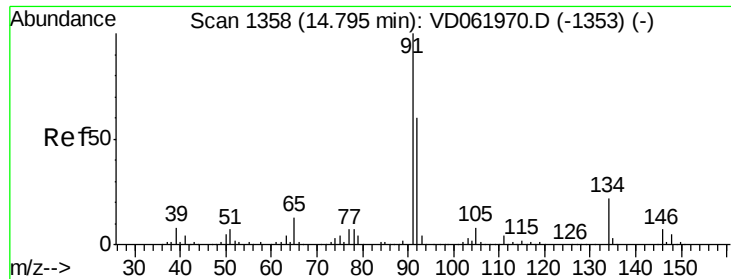
Tot Ion:146 Resp: 557828
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 60.0
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 41.790 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion:146 Resp: 472491
 Ion Ratio Lower Upper
 146 100
 111 32.9 20.2 60.5
 148 65.6 32.0 96.2





#89

n-Butylbenzene

Concen: 48.006 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061971.D

Acq: 23 Apr 2019 15:29

Instrument :

MSVOA_D

ClientSampleId :

ICVVD042319

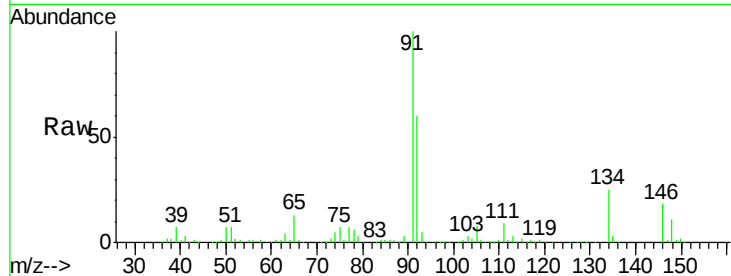
Tot Ion: 91 Resp: 926471

Ion Ratio Lower Upper

91 100

92 60.0 30.3 91.0

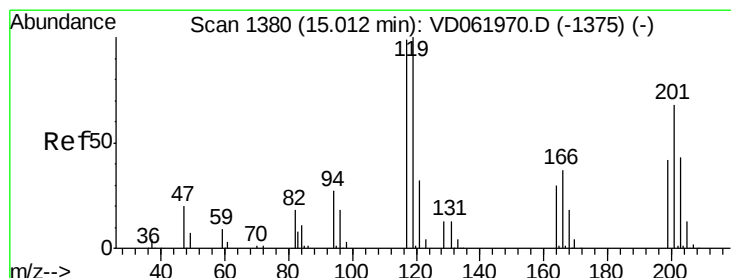
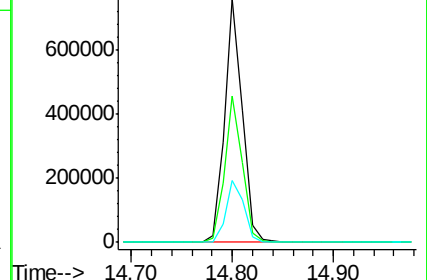
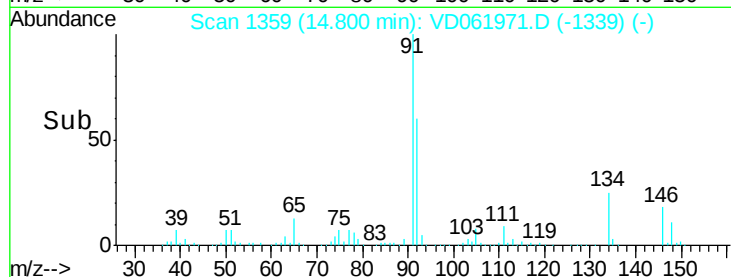
134 25.4 14.5 43.6



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): VDC



#90

Hexachloroethane

Concen: 47.357 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061971.D

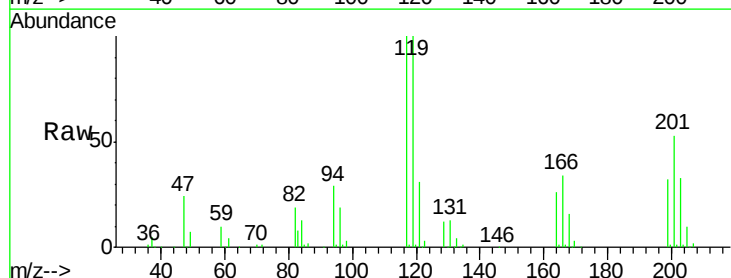
Acq: 23 Apr 2019 15:29

Tgt Ion: 117 Resp: 275276

Ion Ratio Lower Upper

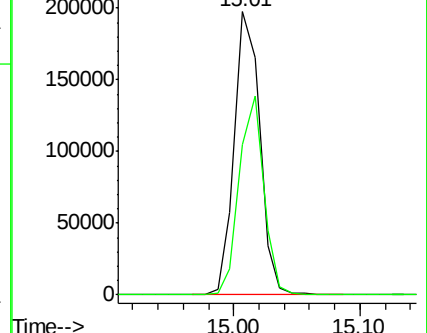
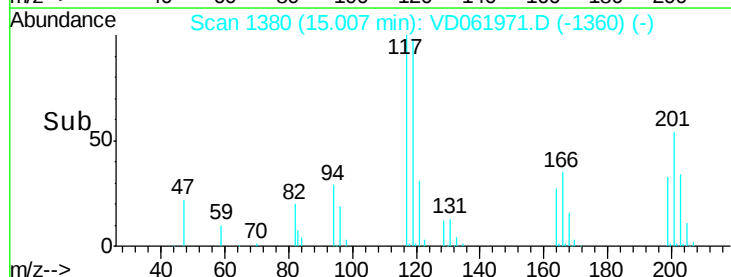
117 100

201 53.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

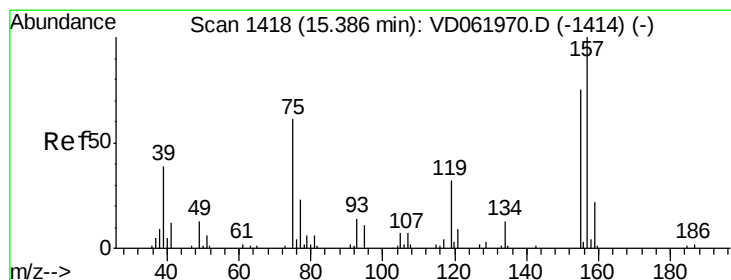
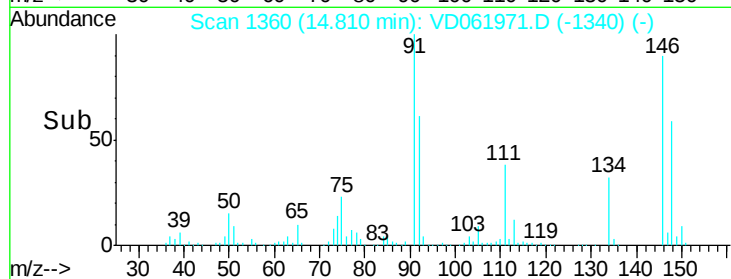
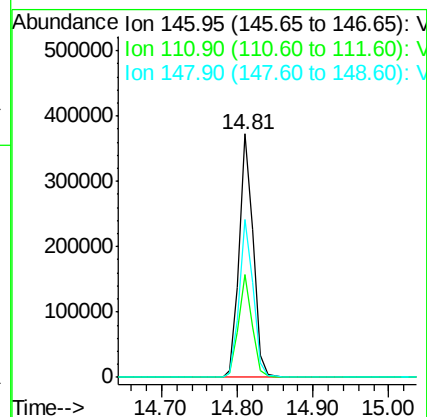
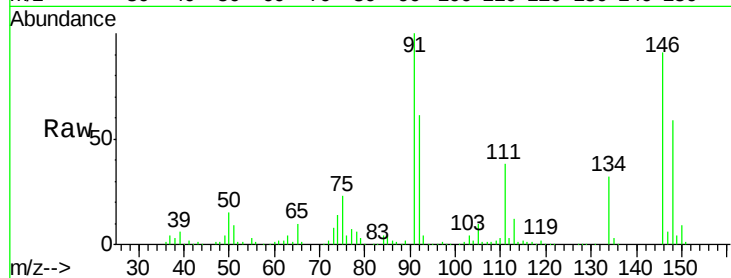




#91
 1,2-Dichlorobenzene
 Concen: 47.237 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

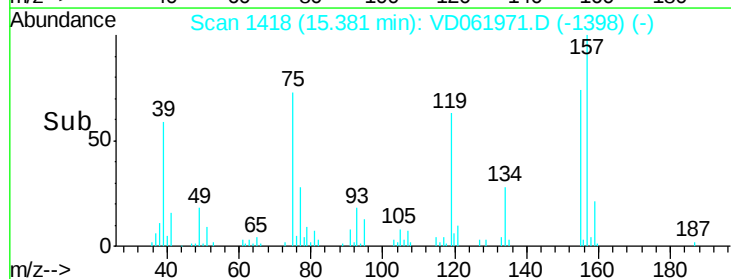
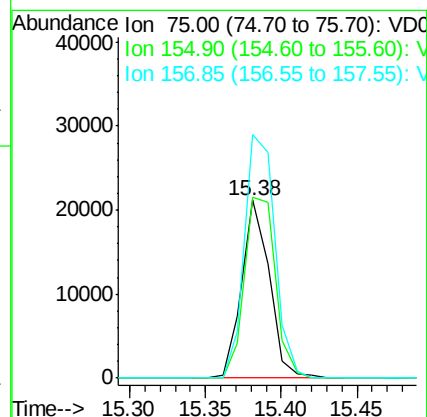
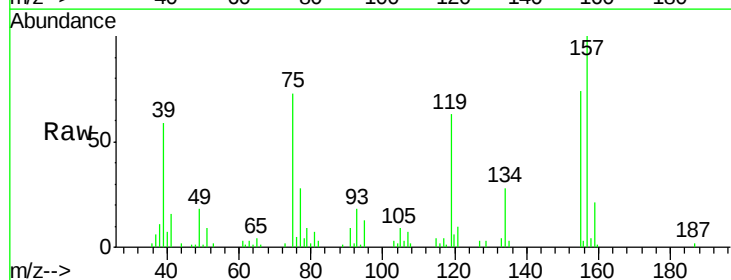
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

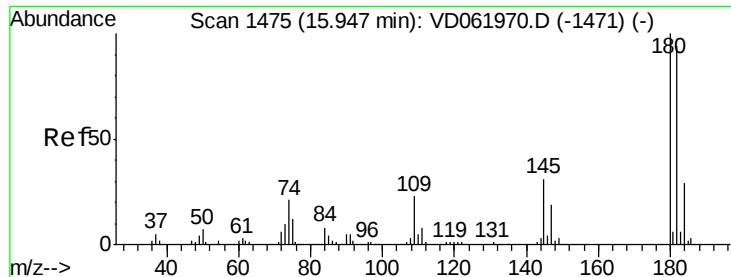
Tot Ion:146 Resp: 471076
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 59.9
 148 64.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.069 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion: 75 Resp: 26798
 Ion Ratio Lower Upper
 75 100
 155 101.3 55.3 165.8
 157 136.6 67.8 203.2

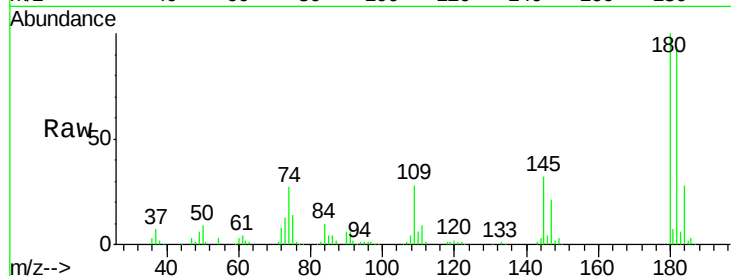




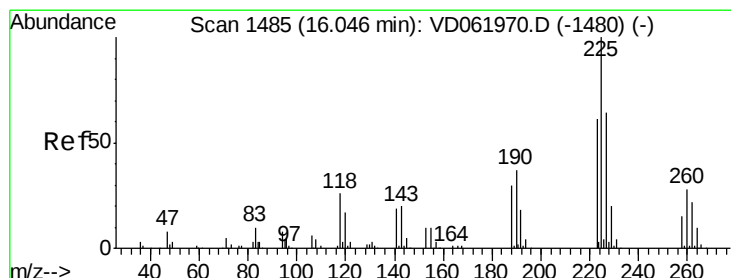
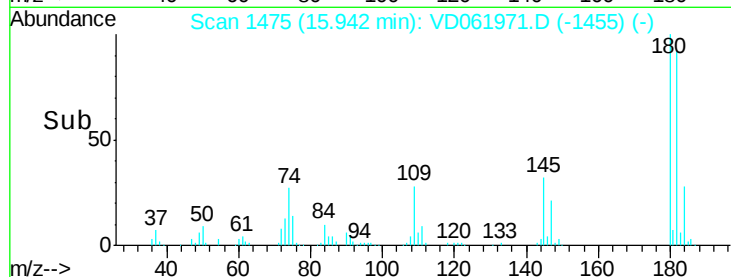
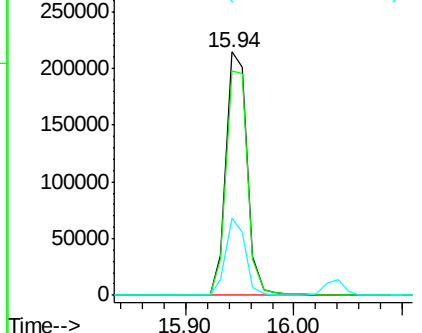
#93
 1,2,4-Trichlorobenzene
 Concen: 54.671 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	49.3	147.8
145	31.7	16.2	48.6

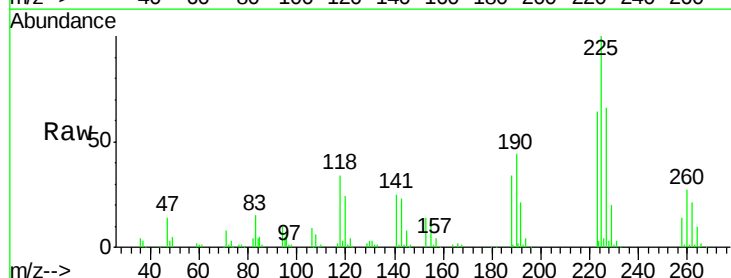


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

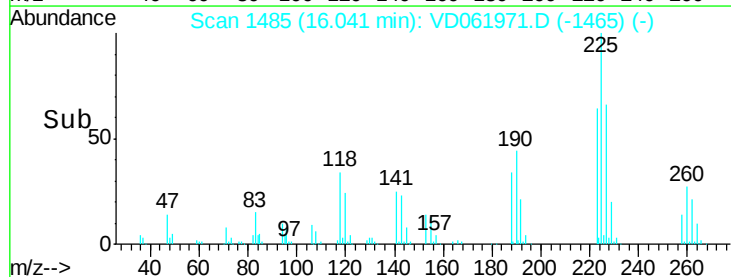
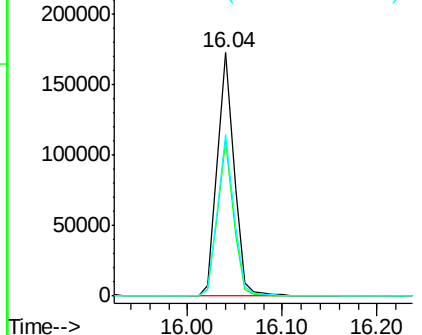


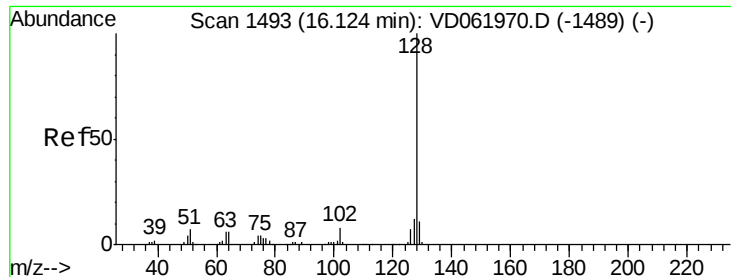
#94
 Hexachlorobutadiene
 Concen: 53.868 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061971.D
 Acq: 23 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.6	92.0
227	66.2	32.0	96.2



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

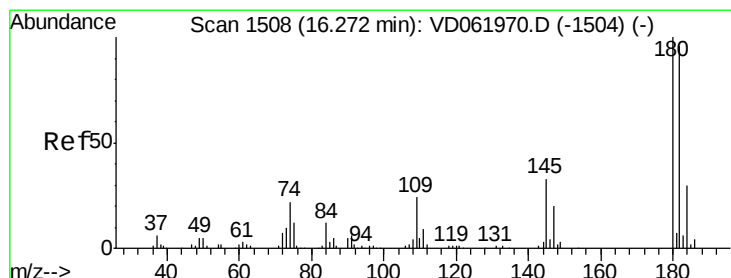
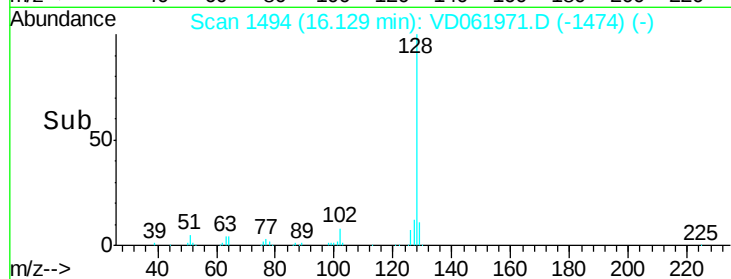
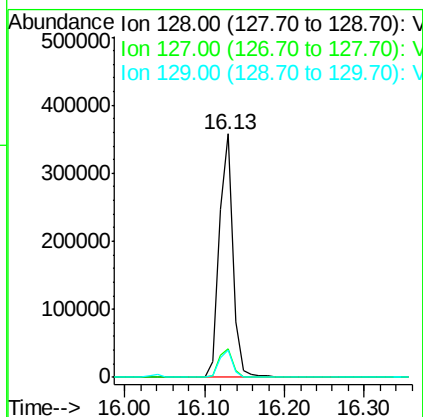
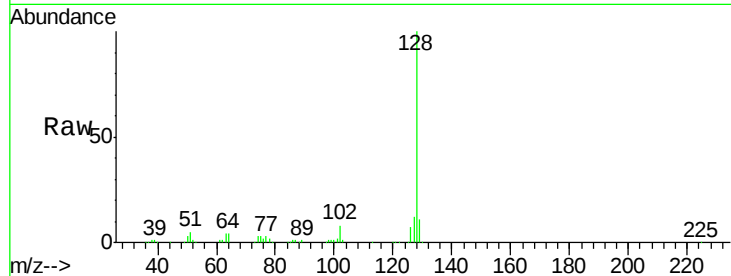




#95
Naphthalene
Concen: 50.078 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Instrument :
MSVOA_D
ClientSampleId :
ICVVD042319

Tot Ion:128 Resp: 435074
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 60.925 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061971.D
Acq: 23 Apr 2019 15:29

Tgt Ion:180 Resp: 186003
Ion Ratio Lower Upper
180 100
182 92.4 47.0 141.0
145 28.1 17.0 51.0

