

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062142.D
 Acq On : 7 May 2019 17:06
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Quant Time: May 08 04:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	888903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1276591	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1038640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	517724	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	416107	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	6.90	113	520077	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.40	98	1139104	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
62) 4-Bromofluorobenzene	13.54	95	509342	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	374402	44.039	ug/l	96
3) Chloromethane	1.74	50	262199	42.682	ug/l	98
4) Vinyl Chloride	1.83	62	283737	46.998	ug/l	96
5) Bromomethane	2.14	94	78655	55.601	ug/l	95
6) Chloroethane	2.25	64	122442	48.333	ug/l	93
7) Trichlorofluoromethane	2.51	101	530009	45.156	ug/l	100
8) Diethyl Ether	2.86	74	115171	50.878	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.13	101	405054	45.620	ug/l	97
10) Methyl Iodide	3.28	142	638856	47.607	ug/l	95
11) Tert butyl alcohol	4.04	59	116263	275.725	ug/l	99
12) 1,1-Dichloroethene	3.10	96	339695	50.119	ug/l	97
13) Acrolein	3.01	56	107680	246.900	ug/l	93
14) Allyl chloride	3.60	41	483567	49.069	ug/l	91
15) Acrylonitrile	4.17	53	283938	256.187	ug/l	95
16) Acetone	3.20	43	475825	274.670	ug/l #	89
17) Carbon Disulfide	3.36	76	1021322	52.382	ug/l	98
18) Methyl Acetate	3.62	43	156037	50.364	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	700639	48.228	ug/l	97
20) Methylene Chloride	3.79	84	413686	57.193	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	372248	49.356	ug/l	98
22) Diisopropyl ether	5.09	45	1053903	50.255	ug/l	99
23) Vinyl Acetate	5.02	43	3006666	271.742	ug/l	99
24) 1,1-Dichloroethane	4.95	63	631029	49.880	ug/l	99
25) 2-Butanone	6.05	43	467980	247.663	ug/l	99
26) 2,2-Dichloropropane	6.00	77	622494	49.397	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	420741	49.839	ug/l	98
28) Bromochloromethane	6.41	49	267339	53.712	ug/l	92
29) Tetrahydrofuran	6.43	42	233067	267.695	ug/l	97
30) Chloroform	6.64	83	724445	47.515	ug/l	97
31) Cyclohexane	6.93	56	447408	51.621	ug/l	99
32) 1,1,1-Trichloroethane	6.84	97	672810	46.688	ug/l	98
36) 1,1-Dichloropropene	7.12	75	534421	51.058	ug/l	97
37) Ethyl Acetate	6.15	43	233811	52.674	ug/l #	91
38) Carbon Tetrachloride	7.09	117	706385	48.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	486889	48.551	ug/l	95
40) Benzene	7.43	78	1202939	50.896	ug/l	97
41) Methacrylonitrile	6.42	41	283331	52.232	ug/l #	89
42) 1,2-Dichloroethane	7.55	62	489928	48.925	ug/l	97
43) Isopropyl Acetate	9.21	43	332235	52.775	ug/l #	95
44) Trichloroethene	8.52	130	457851	50.836	ug/l	88
45) 1,2-Dichloropropane	8.92	63	287210	49.127	ug/l	96
46) Dibromomethane	9.04	93	225909	47.519	ug/l	94
47) Bromodichloromethane	9.35	83	567655	48.815	ug/l	98
48) Methyl methacrylate	9.10	41	192629	49.677	ug/l	89
49) 1,4-Dioxane	9.06	88	42688	1020.322	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	1060091	261.967	ug/l	100
52) Toluene	10.49	92	797296	51.846	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	476272	47.388	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	554454	50.569	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	267042	49.078	ug/l	98
56) Ethyl methacrylate	11.03	69	284988	50.403	ug/l #	92
57) 1,3-Dichloropropane	11.39	76	408392	49.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	818458	265.002	ug/l	97
59) 2-Hexanone	11.52	43	722609	242.280	ug/l	97
60) Dibromochloromethane	11.67	129	478491	50.885	ug/l	99
61) 1,2-Dibromoethane	11.79	107	318777	48.189	ug/l	98
64) Tetrachloroethene	11.24	164	403973	49.740	ug/l	94
65) Chlorobenzene	12.38	112	913616	47.228	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	387163	45.986	ug/l	96
67) Ethyl Benzene	12.51	91	1427952	44.091	ug/l	99
68) m/p-Xylenes	12.66	106	1231266	104.496	ug/l	100
69) o-Xylene	13.04	106	506855	46.269	ug/l	99
70) Styrene	13.06	104	941441	50.732	ug/l	99
71) Bromoform	13.22	173	300143	51.240	ug/l	97
73) Isopropylbenzene	13.40	105	1486476	47.898	ug/l	99
74) N-amyl acetate	13.26	43	413054	50.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	292544	49.794	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	329708	53.587	ug/l	98
77) Bromobenzene	13.66	156	465201	53.548	ug/l	96
78) n-propylbenzene	13.76	91	1804271	48.738	ug/l	96
79) 2-Chlorotoluene	13.83	91	1013545	47.804	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1337024	51.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	90285	51.979	ug/l	89
82) 4-Chlorotoluene	13.94	91	1247442	49.999	ug/l	91
83) tert-Butylbenzene	14.18	119	1435145	48.859	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1187784	45.293	ug/l	96
85) sec-Butylbenzene	14.36	105	1545814	47.999	ug/l	99
86) p-Isopropyltoluene	14.48	119	1369371	47.591	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	834385	52.576	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	743347	47.671	ug/l	98
89) n-Butylbenzene	14.79	91	1304836	50.523	ug/l	98
90) Hexachloroethane	15.00	117	397859	50.845	ug/l	79
91) 1,2-Dichlorobenzene	14.80	146	666794	51.017	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	49230	51.047	ug/l	96

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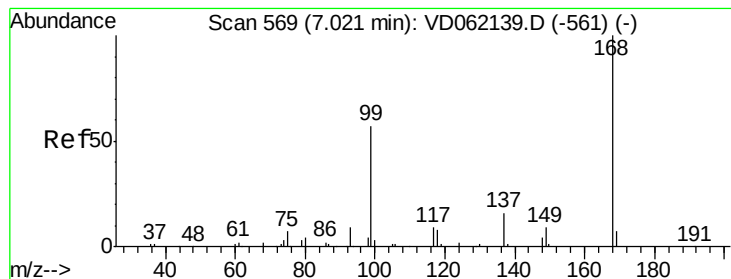
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	527561	55.456	ug/l	95
94) Hexachlorobutadiene	16.03	225	350154	49.488	ug/l	98
95) Naphthalene	16.11	128	727193	54.753	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	389127	65.057	ug/l	97

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

Page: 4



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

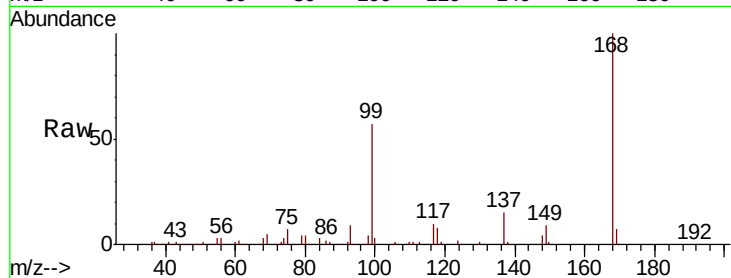
ICVVD050719

Tot Ion:168 Resp: 888903

Ion Ratio Lower Upper

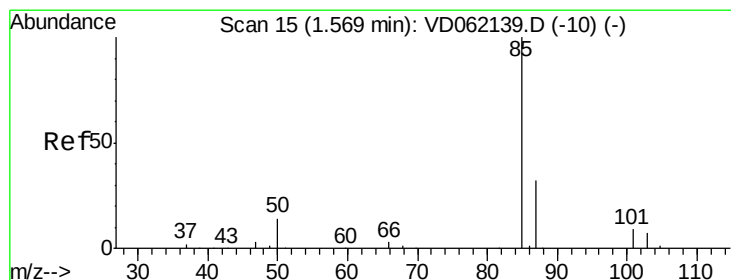
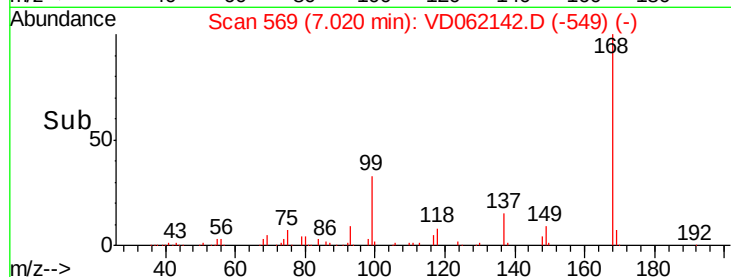
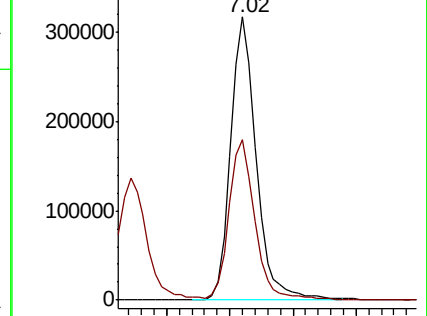
168 100

99 56.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.039 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062142.D

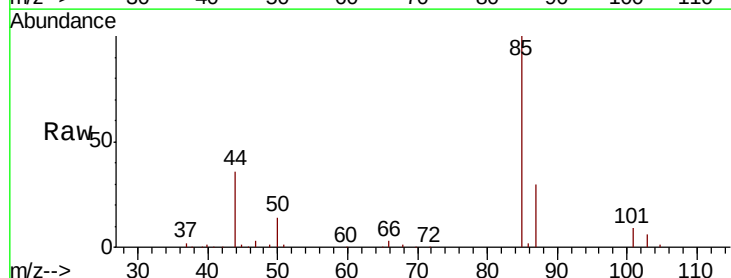
Acq: 7 May 2019 17:06

Tgt Ion: 85 Resp: 374402

Ion Ratio Lower Upper

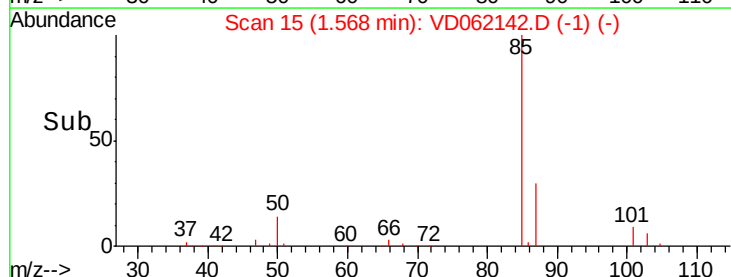
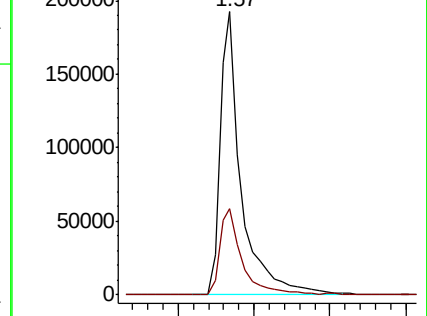
85 100

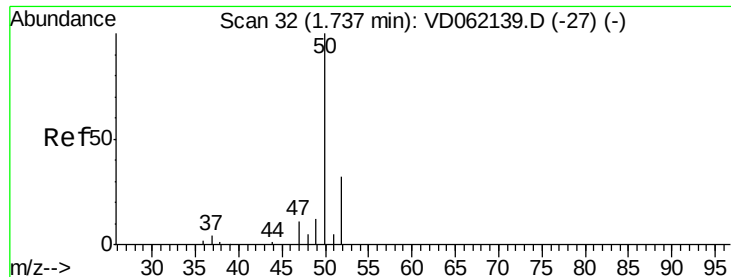
87 30.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.682 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

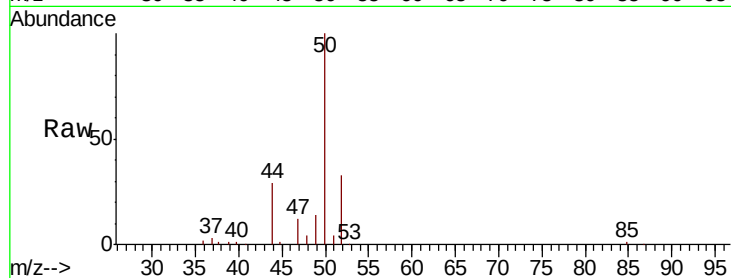
ICVVD050719

Tot Ion: 50 Resp: 262199

Ion Ratio Lower Upper

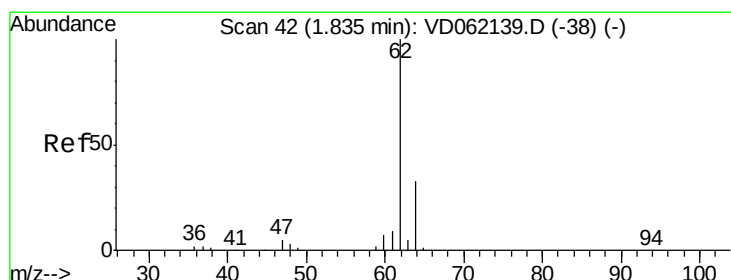
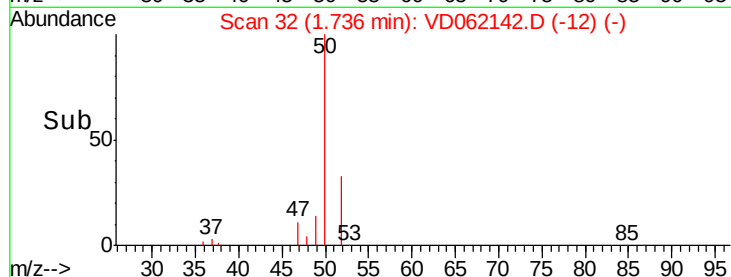
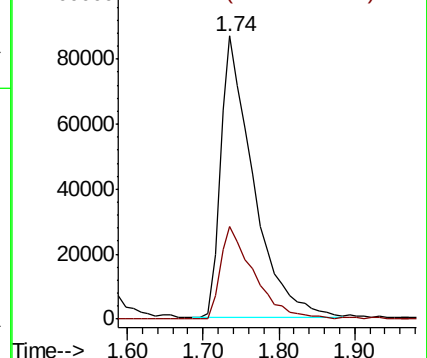
50 100

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: 46.998 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062142.D

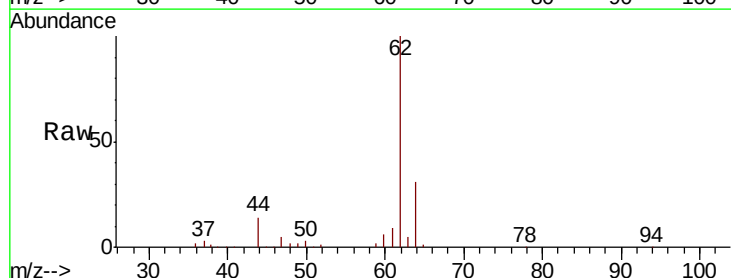
Acq: 7 May 2019 17:06

Tgt Ion: 62 Resp: 283737

Ion Ratio Lower Upper

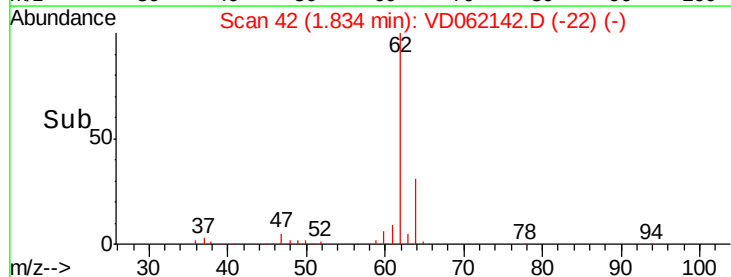
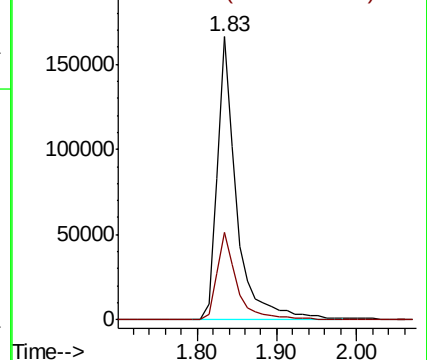
62 100

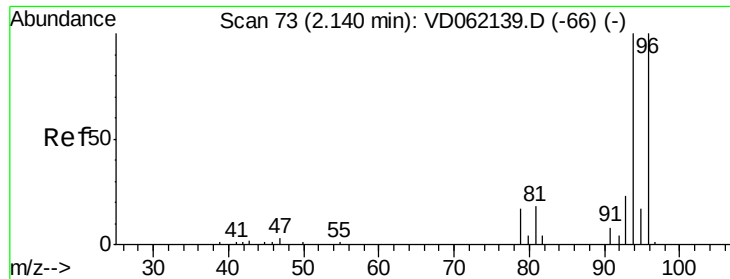
64 30.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.601 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

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ClientSampleId :

ICVVD050719

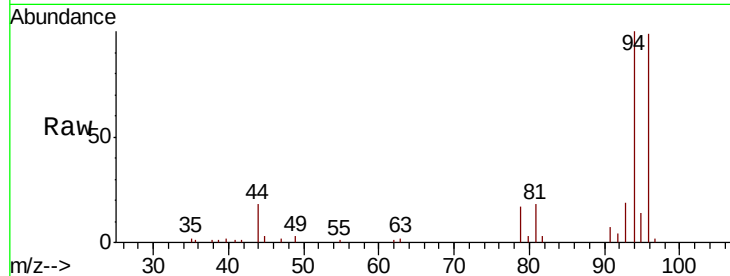
Tot Ion: 94 Resp: 78655

Ion Ratio Lower Upper

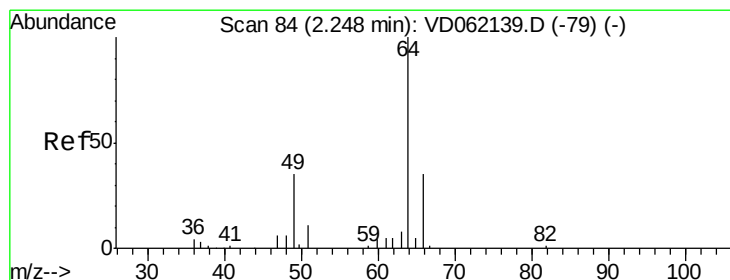
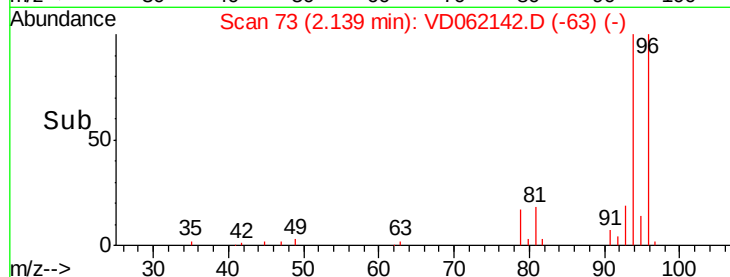
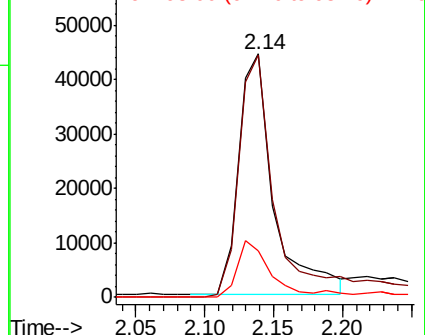
94 100

96 99.3 76.6 115.0

93 18.9 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: 48.333 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062142.D

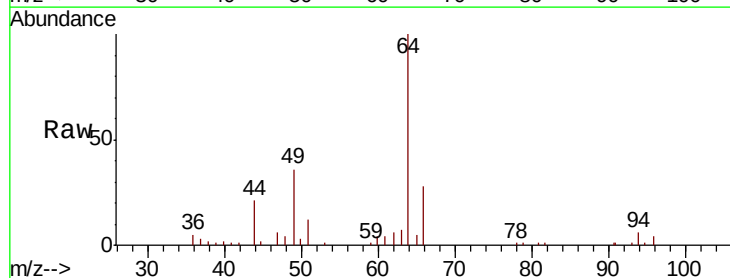
Acq: 7 May 2019 17:06

Tgt Ion: 64 Resp: 122442

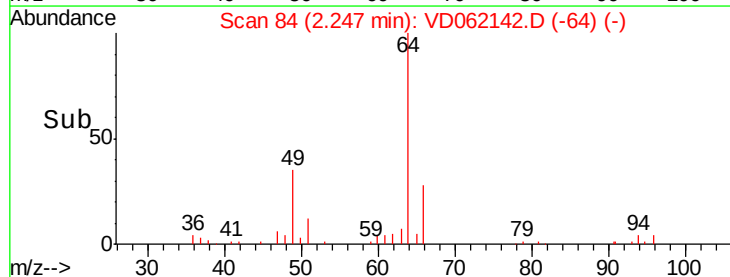
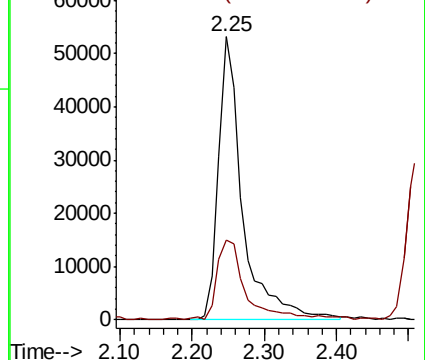
Ion Ratio Lower Upper

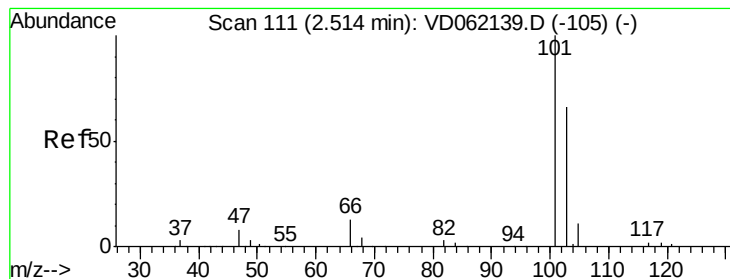
64 100

66 28.3 25.6 38.4



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



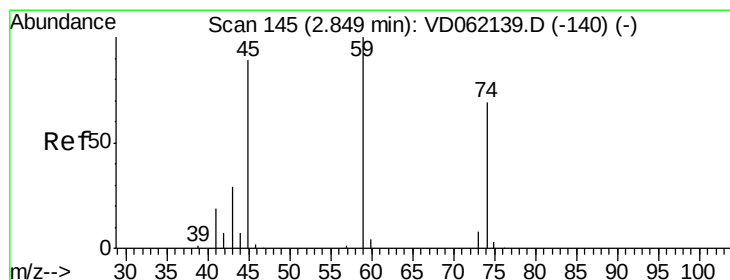
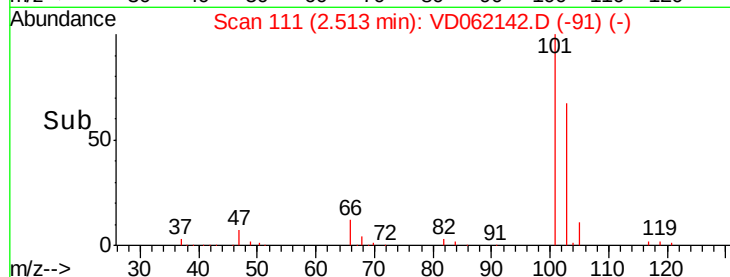
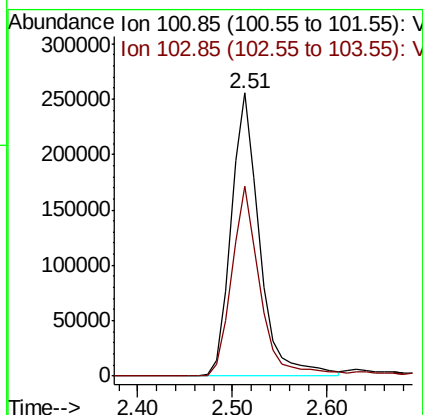
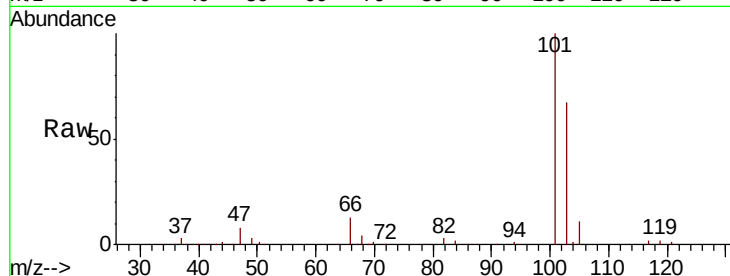


#7

Trichlorofluoromethane
Concen: 45.156 ug/l
RT: 2.51 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD062142.D
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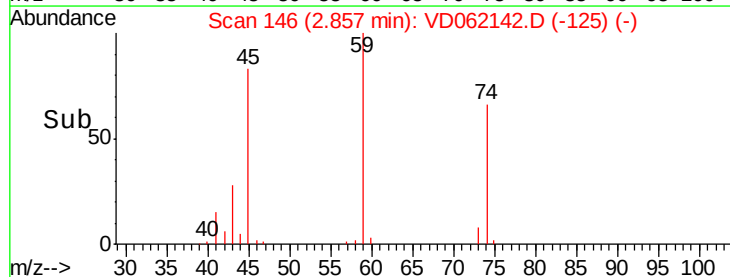
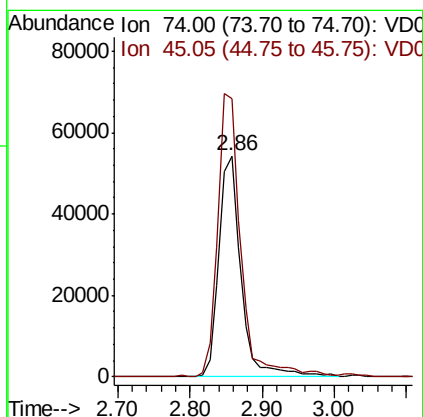
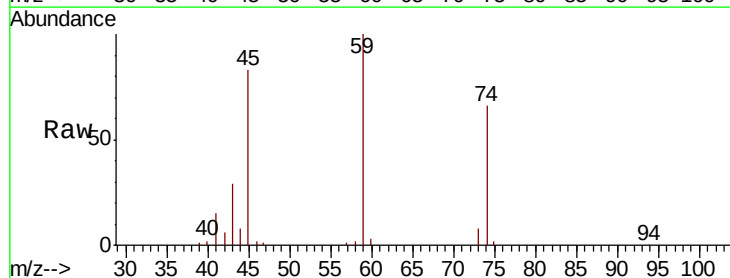
Tot Ion:101 Resp: 530009
Ion Ratio Lower Upper
101 100
103 67.1 53.6 80.4

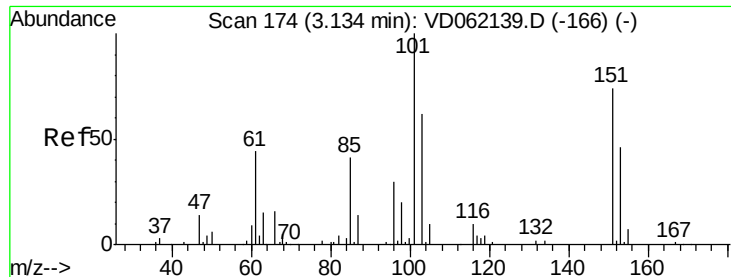


#8

Diethyl Ether
Concen: 50.878 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 74 Resp: 115171
Ion Ratio Lower Upper
74 100
45 126.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.620 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

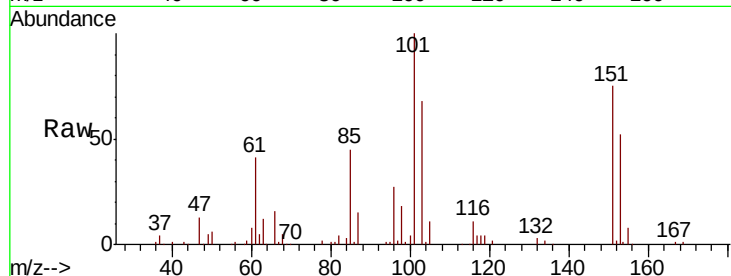
Tot Ion:101 Resp: 405054

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

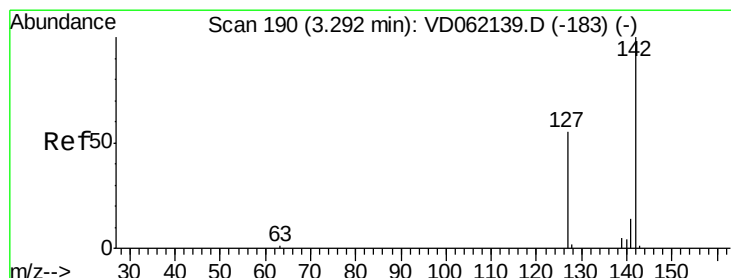
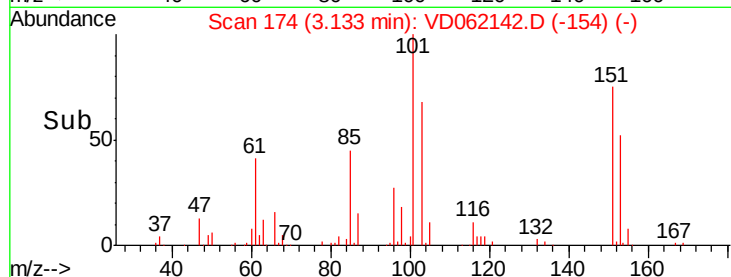
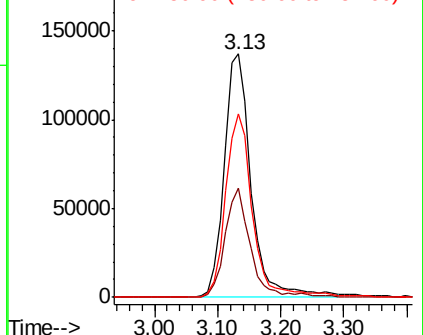
151 75.2 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.607 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

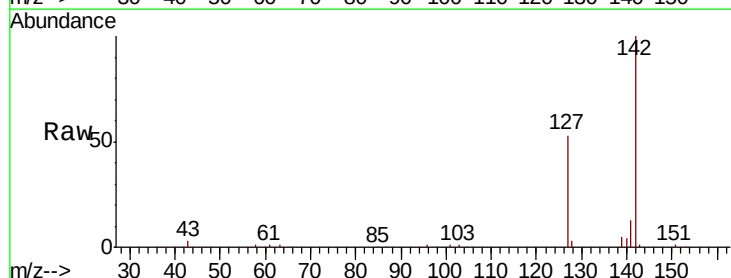
Tgt Ion:142 Resp: 638856

Ion Ratio Lower Upper

142 100

127 52.8 38.8 58.2

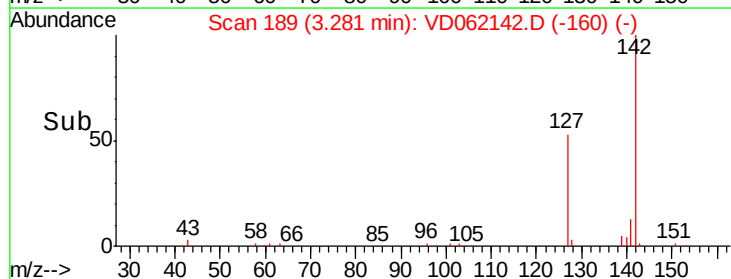
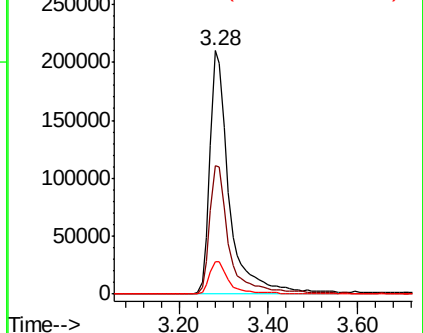
141 13.3 11.4 17.0

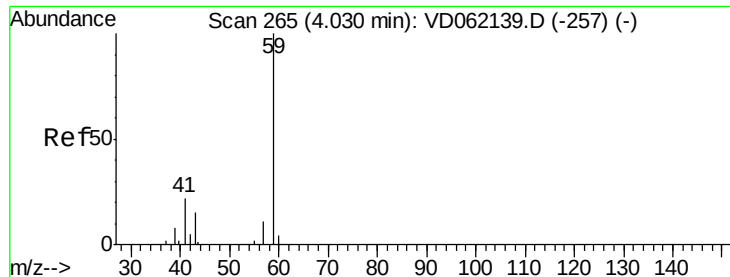


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

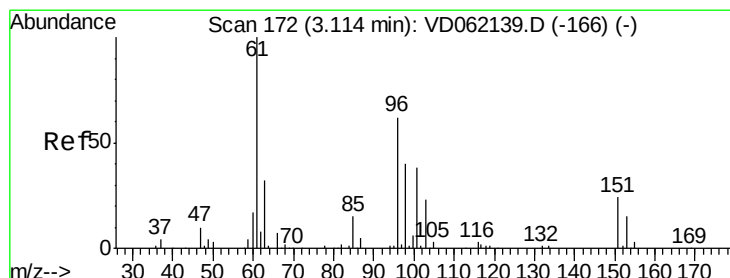
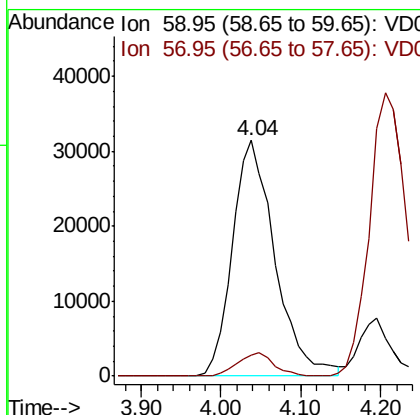
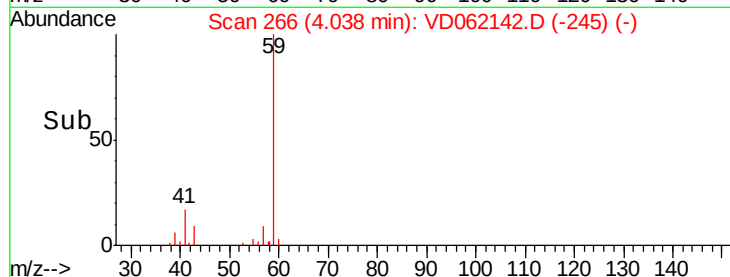
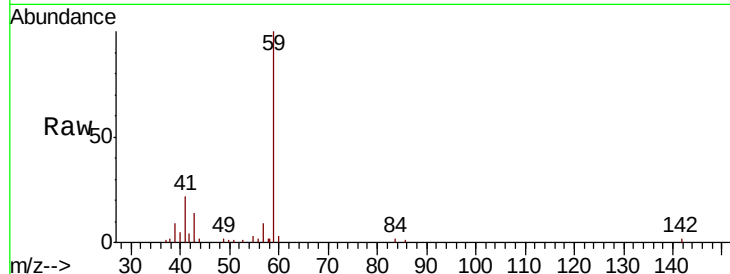




#11
Tert butyl alcohol
Concen: 275.725 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

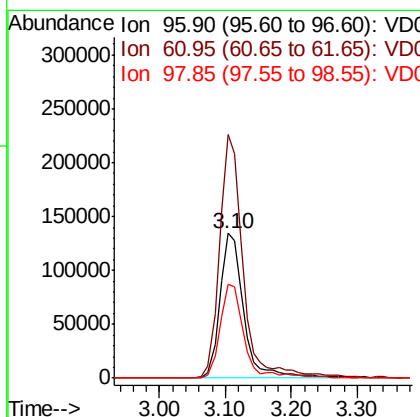
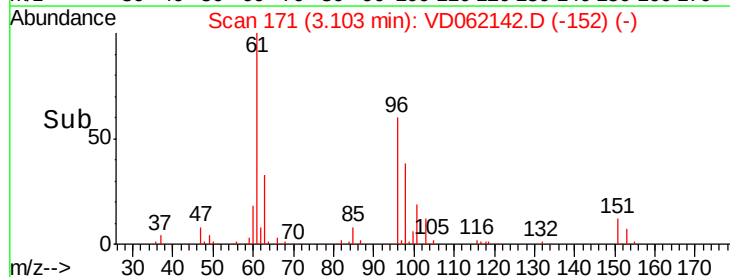
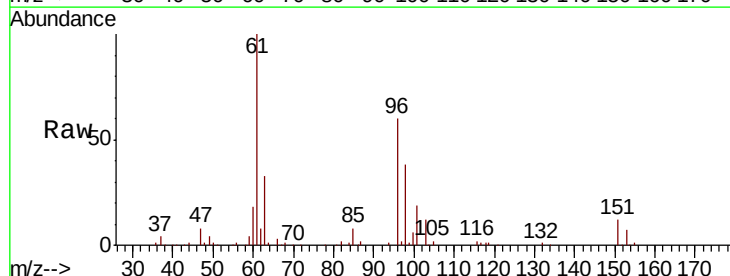
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

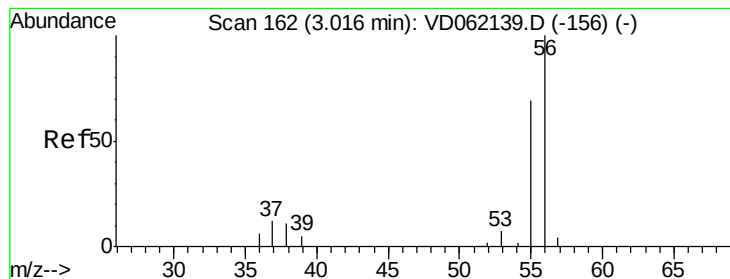
Tot Ion: 59 Resp: 116263
Ion Ratio Lower Upper
59 100
57 8.8 6.9 10.3



#12
1,1-Dichloroethene
Concen: 50.119 ug/l
RT: 3.10 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 96 Resp: 339695
Ion Ratio Lower Upper
96 100
61 168.0 129.8 194.8
98 64.7 51.2 76.8





#13

Acrolein

Concen: 246.900 ug/l

RT: 3.01 min Scan# 162

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

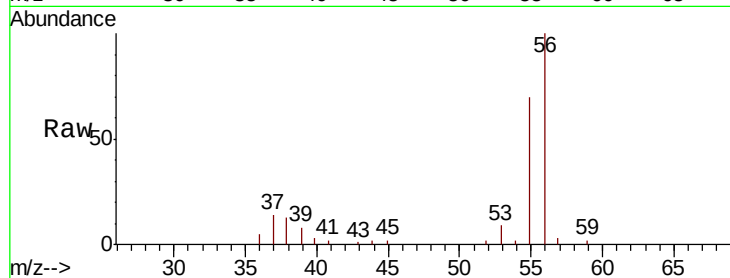
ICVVD050719

Tot Ion: 56 Resp: 107680

Ion Ratio Lower Upper

56 100

55 70.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

50000

40000

30000

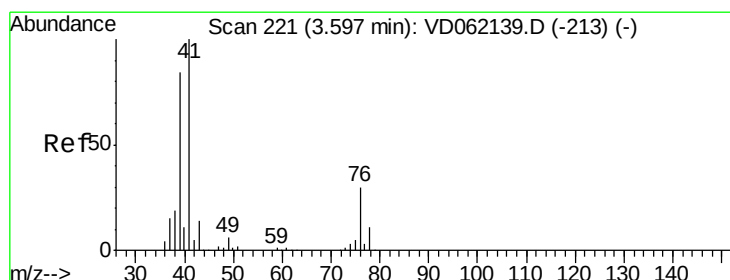
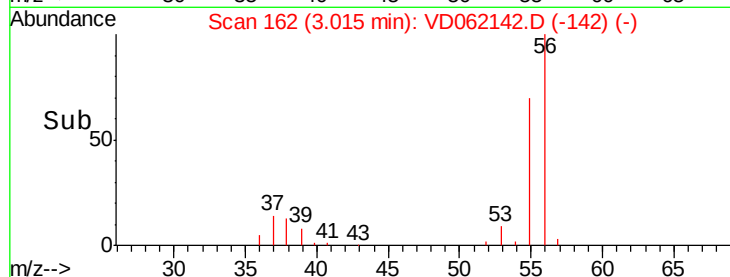
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.069 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

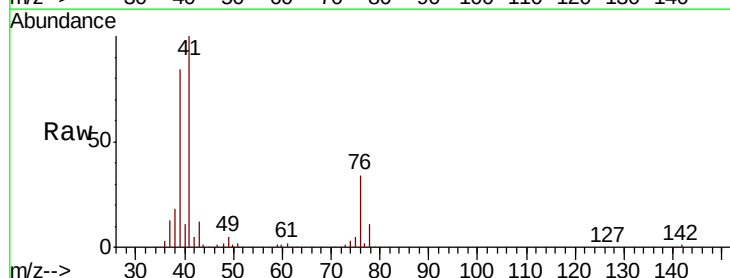
Tgt Ion: 41 Resp: 483567

Ion Ratio Lower Upper

41 100

39 83.6 60.5 90.7

76 34.2 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

250000

200000

150000

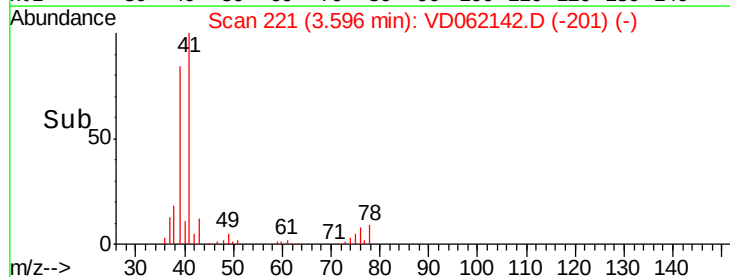
100000

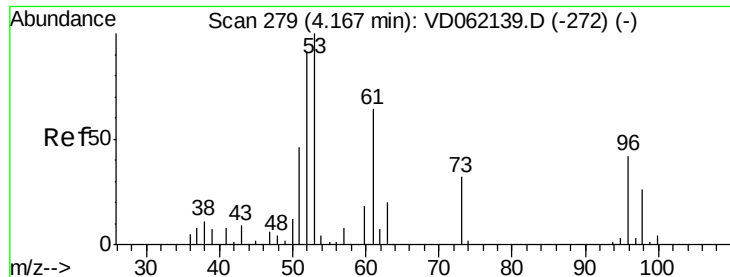
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 256.187 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

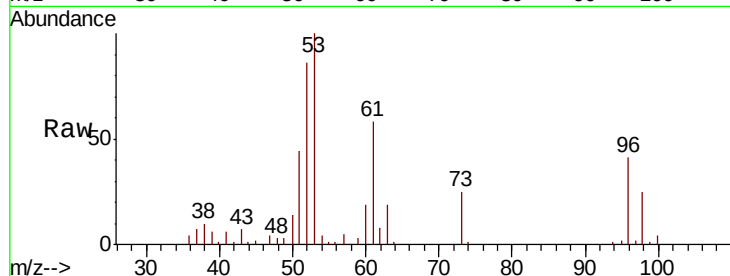
Tot Ion: 53 Resp: 283938

Ion Ratio Lower Upper

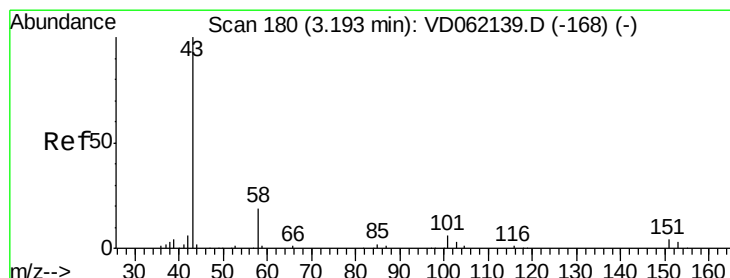
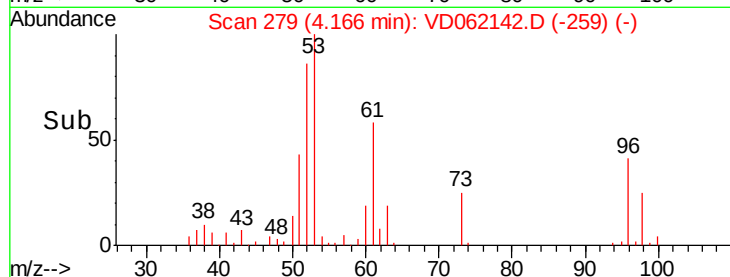
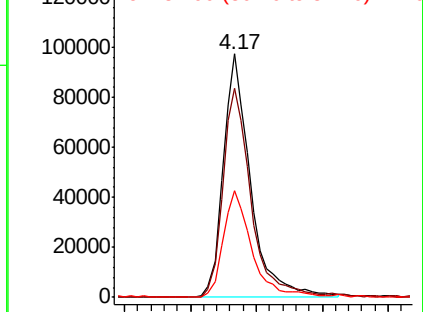
53 100

52 85.9 65.0 97.4

51 43.6 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: 274.670 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062142.D

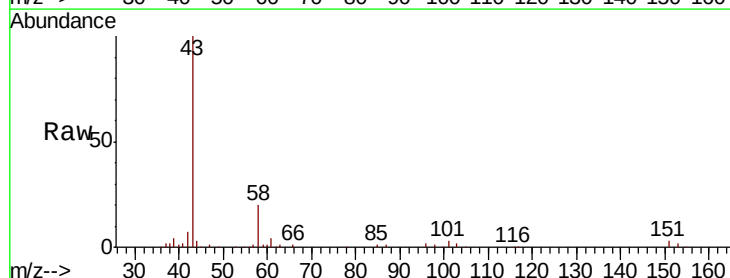
Acq: 7 May 2019 17:06

Tgt Ion: 43 Resp: 475825

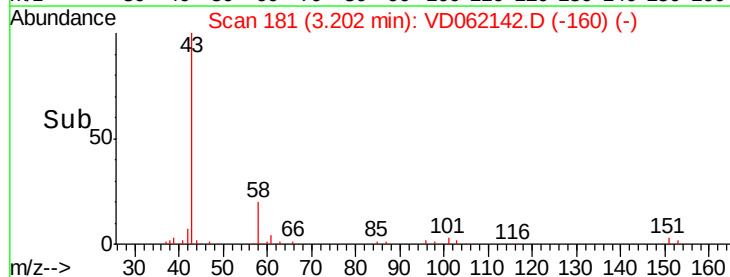
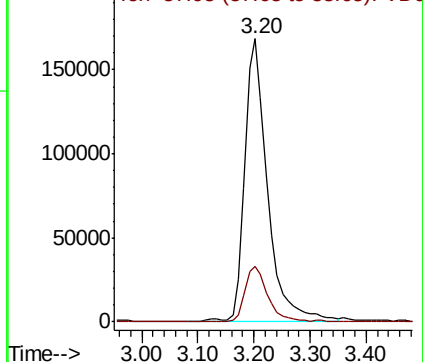
Ion Ratio Lower Upper

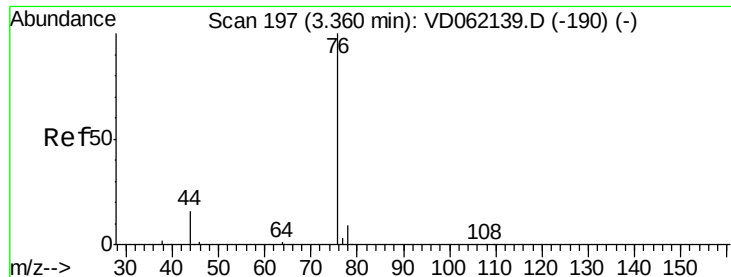
43 100

58 19.6 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: 52.382 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

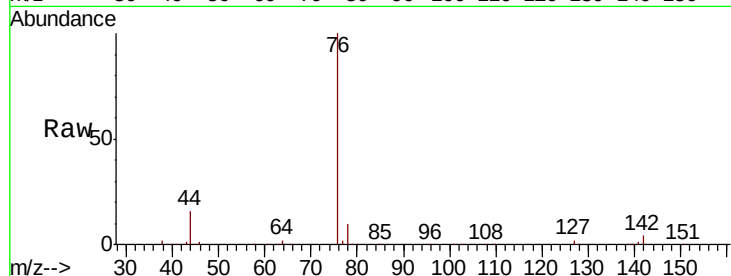
ICVVD050719

Tot Ion: 76 Resp: 1021322

Ion Ratio Lower Upper

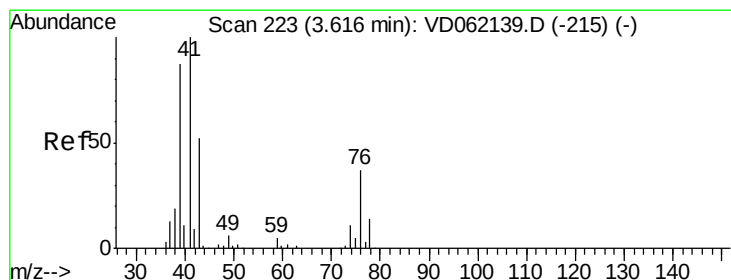
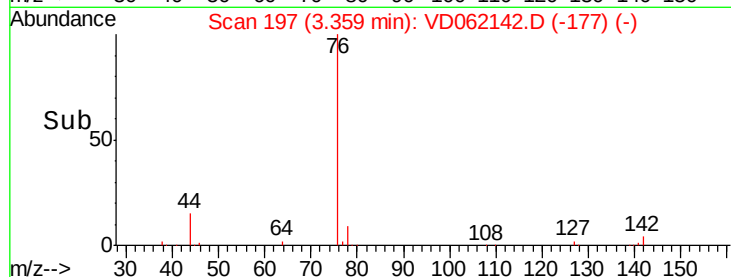
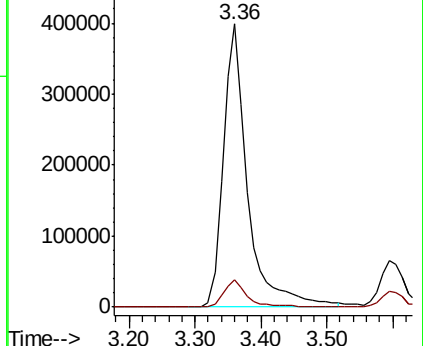
76 100

78 9.7 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.364 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062142.D

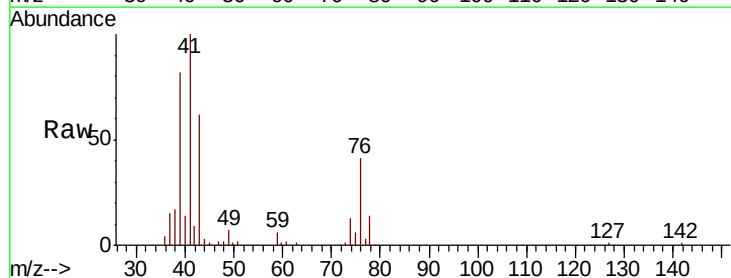
Acq: 7 May 2019 17:06

Tgt Ion: 43 Resp: 156037

Ion Ratio Lower Upper

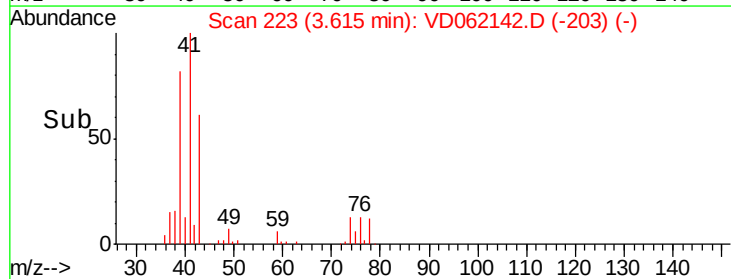
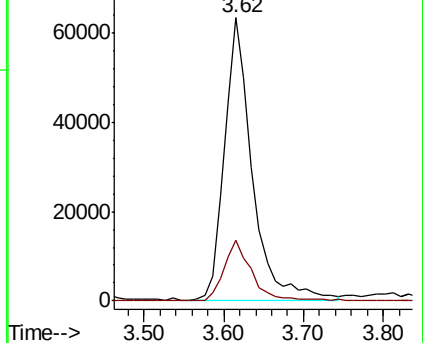
43 100

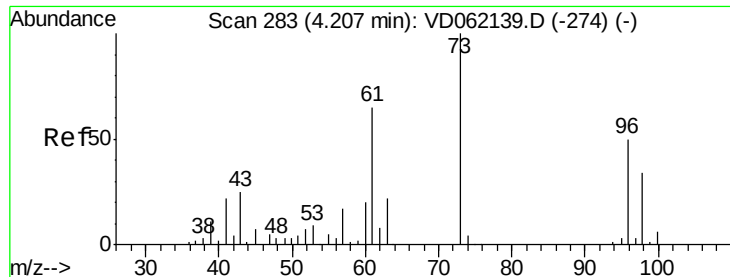
74 21.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

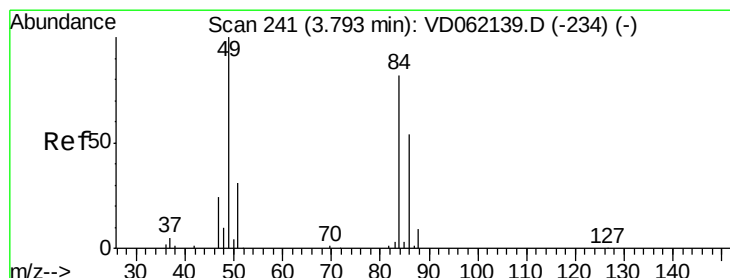
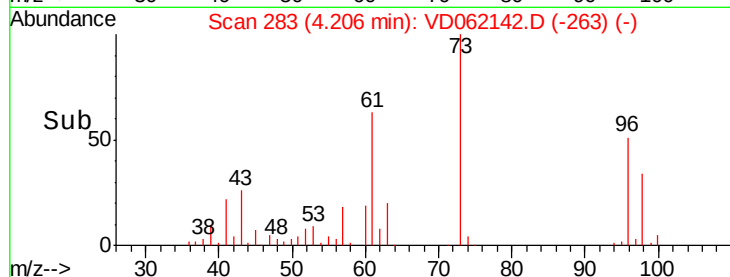
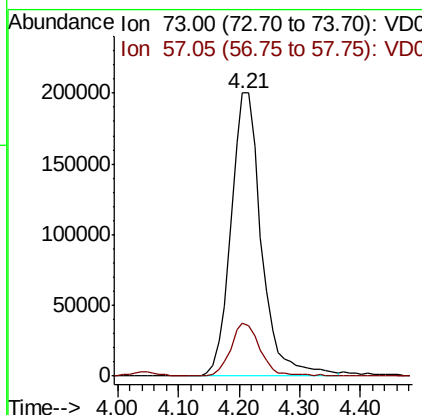
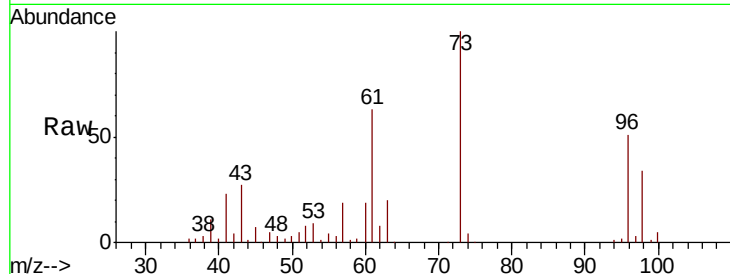




#19
Methyl tert-butyl Ether
Concen: 48.228 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

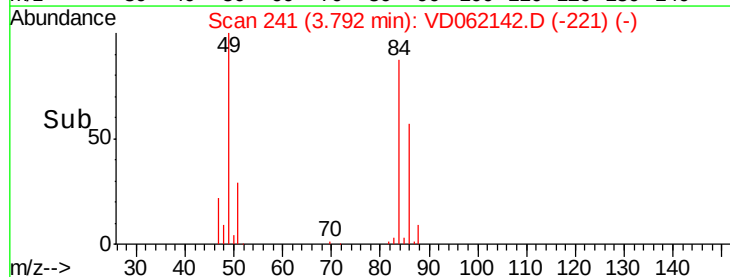
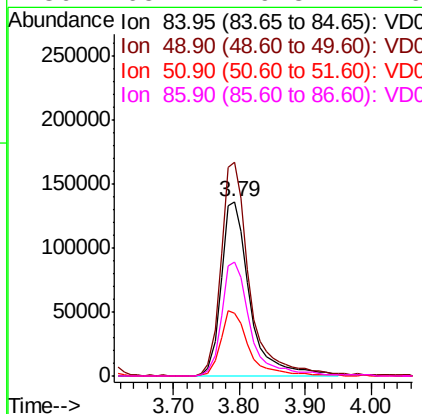
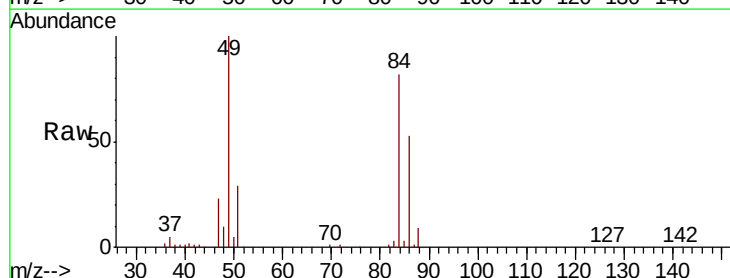
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

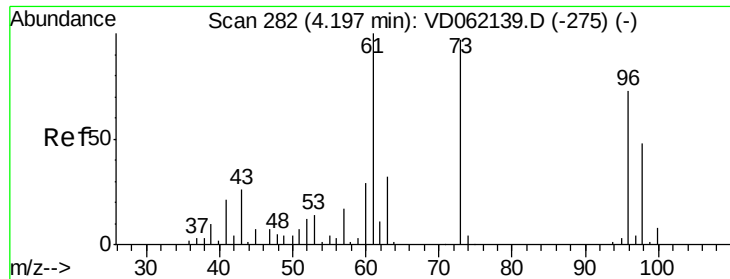
Tot Ion: 73 Resp: 700639
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5



#20
Methylene Chloride
Concen: 57.193 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 84 Resp: 413686
Ion Ratio Lower Upper
84 100
49 122.7 94.0 141.0
51 35.8 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.356 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

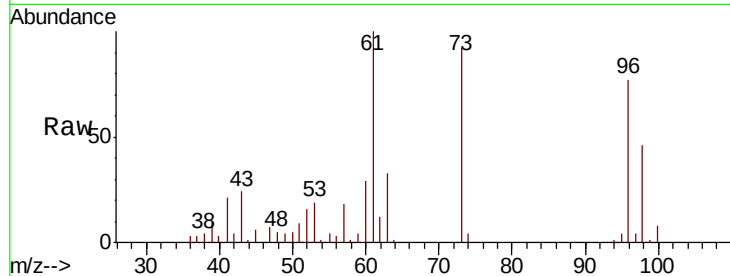
Tot Ion: 96 Resp: 372248

Ion Ratio Lower Upper

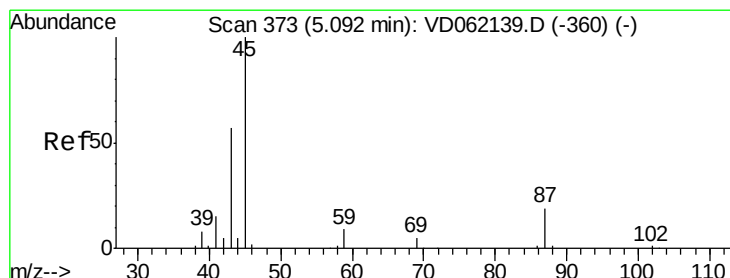
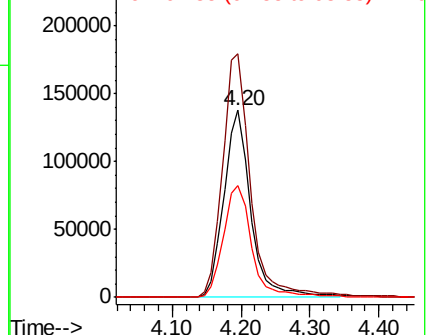
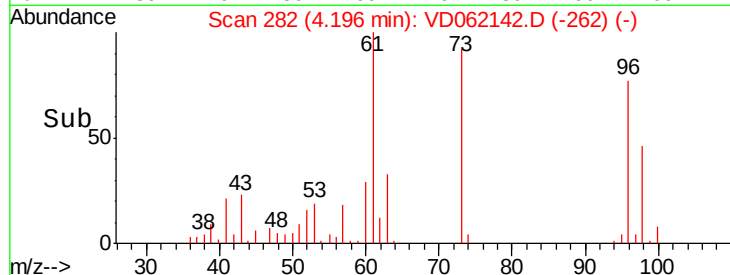
96 100

61 130.3 104.4 156.6

98 60.0 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: 50.255 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Tgt Ion: 45 Resp: 1053903

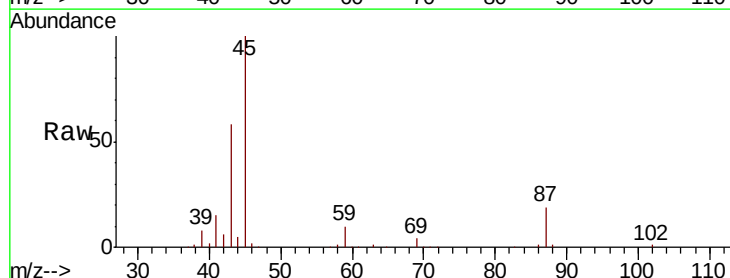
Ion Ratio Lower Upper

45 100

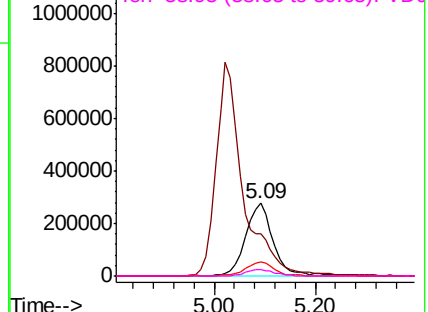
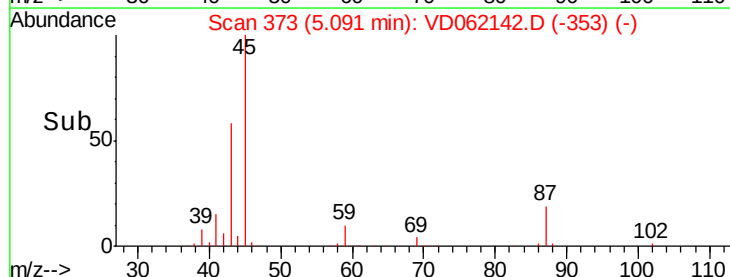
43 58.4 46.2 69.2

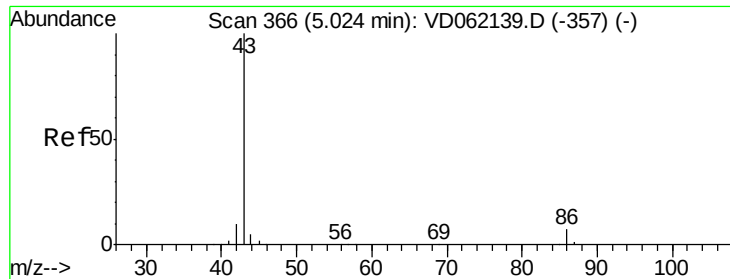
87 19.1 15.9 23.9

59 9.7 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

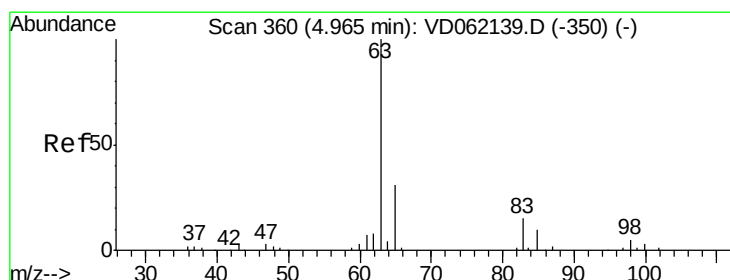
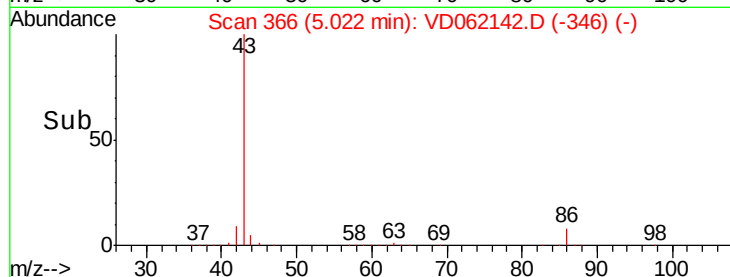
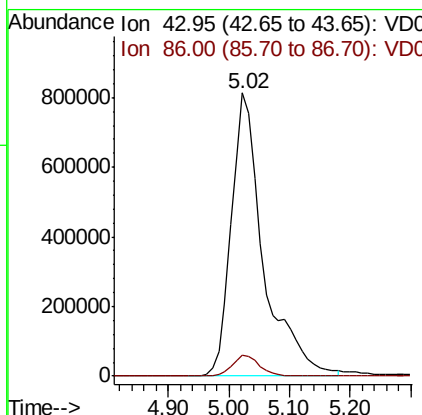
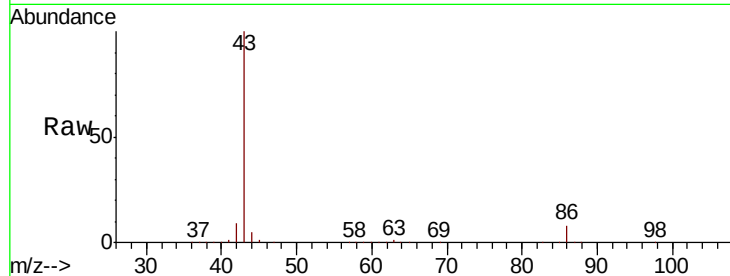




#23
 Vinyl Acetate
 Concen: 271.742 ug/l
 RT: 5.02 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

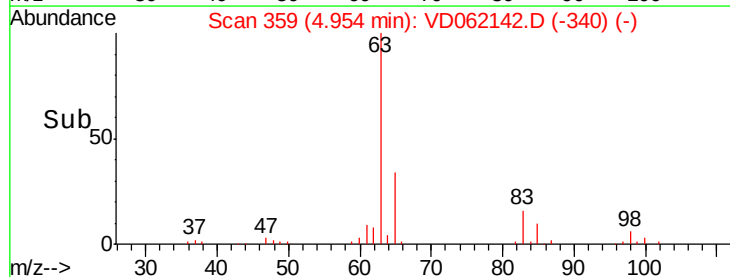
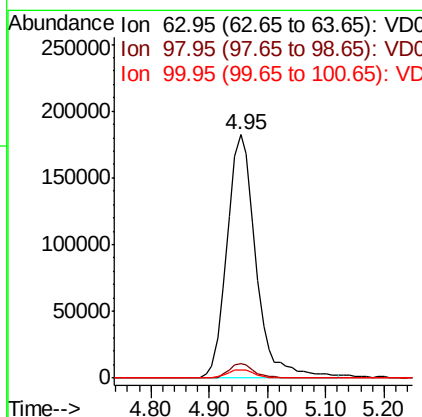
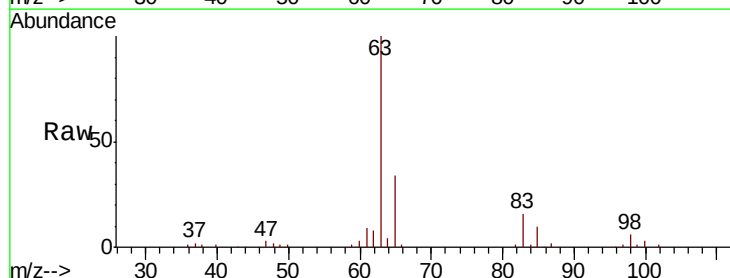
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

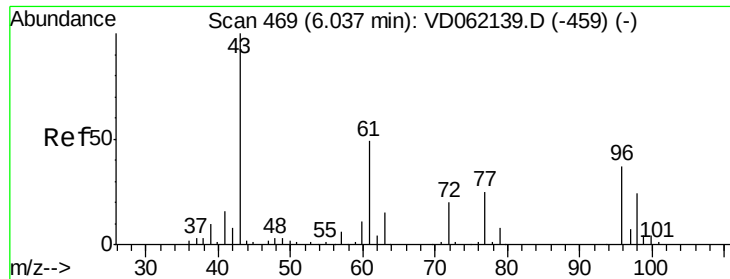
Tot Ion: 43 Resp: 3006666
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 49.880 ug/l
 RT: 4.95 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 63 Resp: 631029
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.4
 100 3.3 1.8 5.5





#25

2-Butanone

Concen: 247.663 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

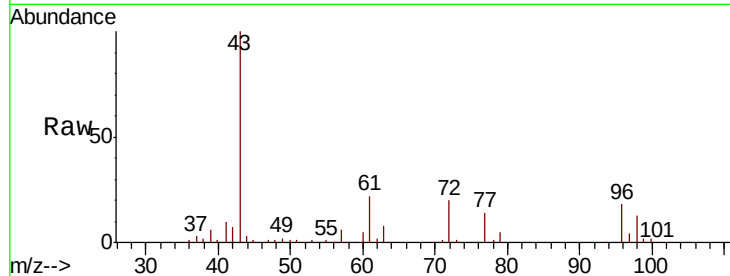
ICVVD050719

Tot Ion: 43 Resp: 467980

Ion Ratio Lower Upper

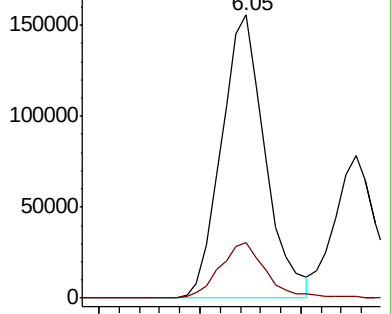
43 100

72 19.7 16.2 24.4

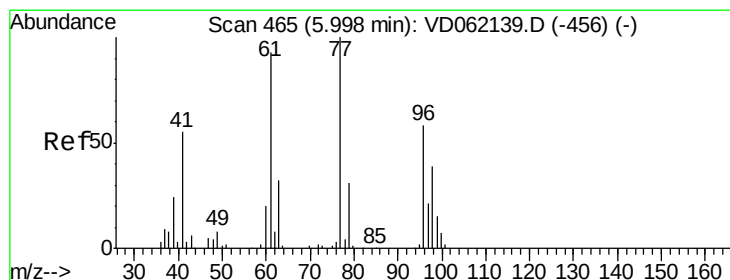
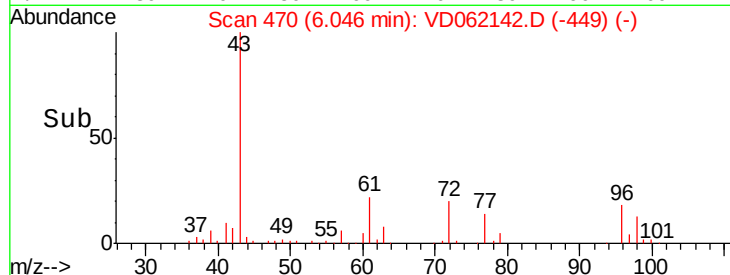


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 49.397 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD062142.D

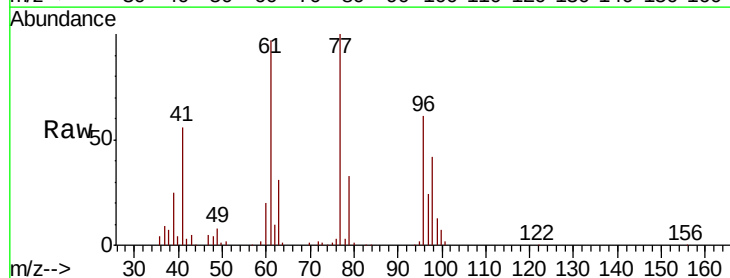
Acq: 7 May 2019 17:06

Tgt Ion: 77 Resp: 622494

Ion Ratio Lower Upper

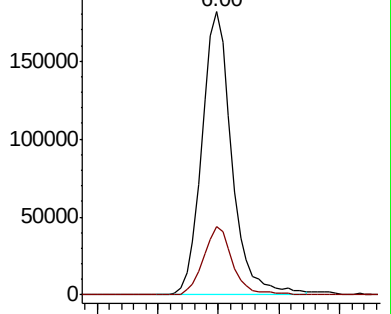
77 100

97 24.1 11.9 35.9

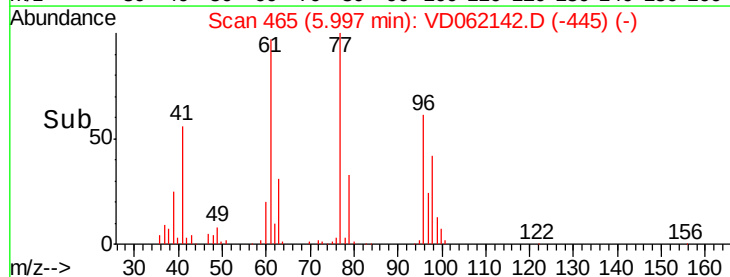


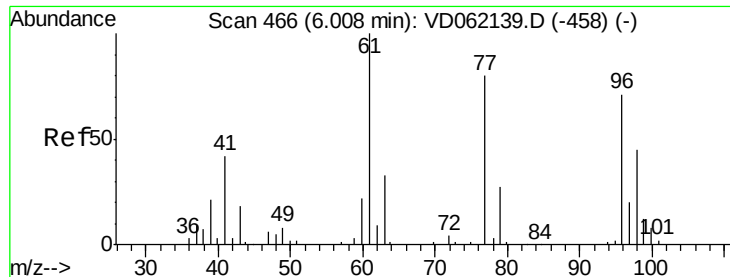
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->

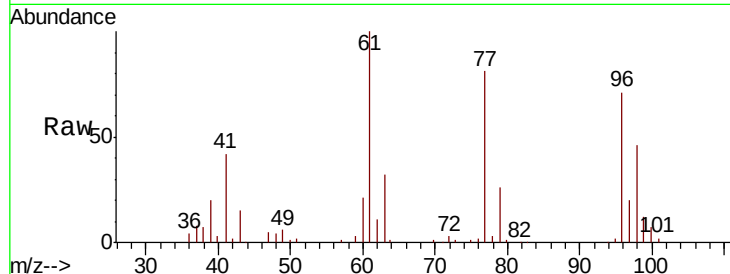




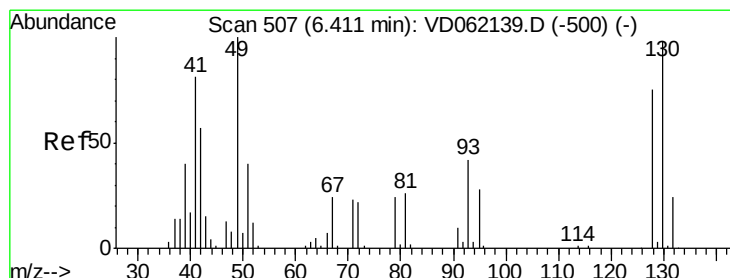
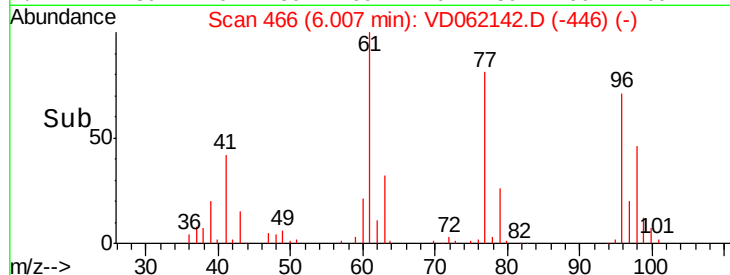
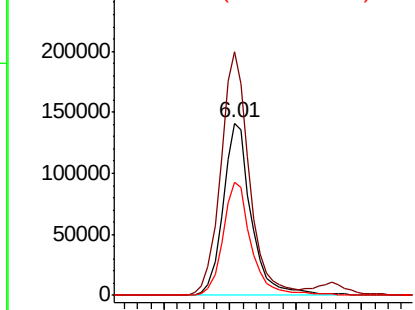
#27
 cis-1,2-Dichloroethene
 Concen: 49.839 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Tot Ion: 96 Resp: 420741
 Ion Ratio Lower Upper
 96 100
 61 141.1 0.0 279.8
 98 65.6 0.0 136.0

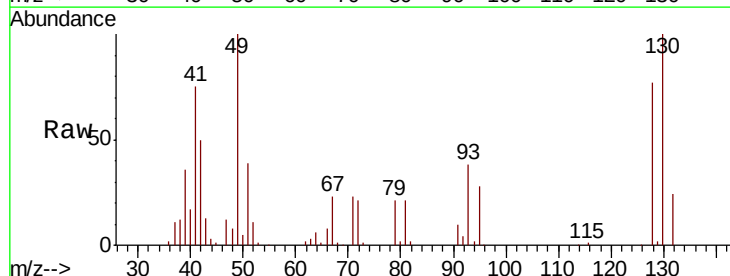


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

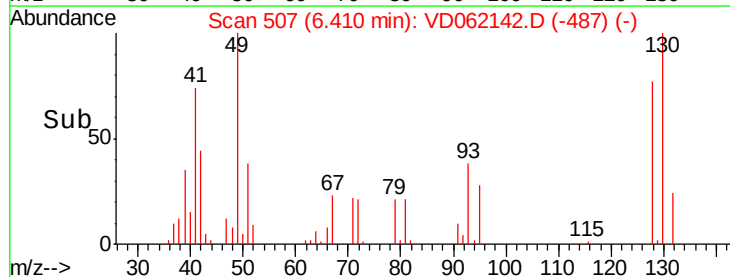
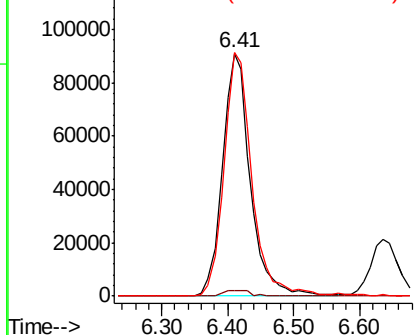


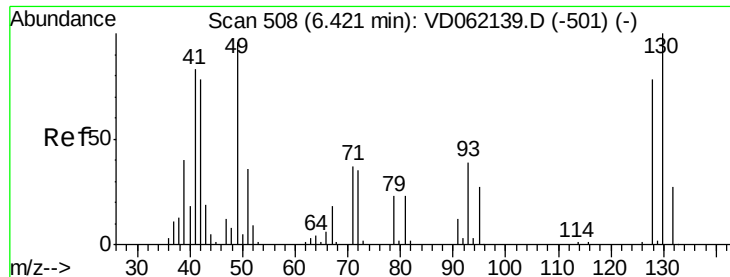
#28
 Bromochloromethane
 Concen: 53.712 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 49 Resp: 267339
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 100.3 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

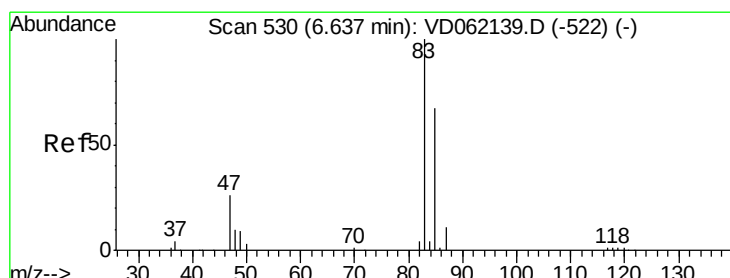
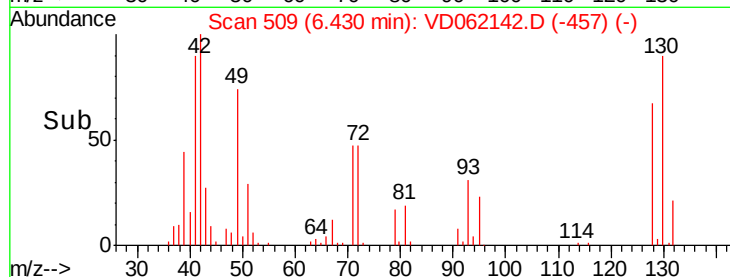
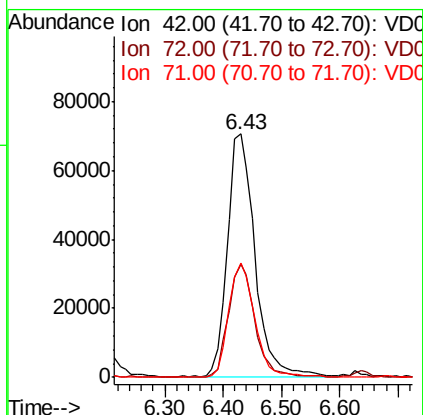
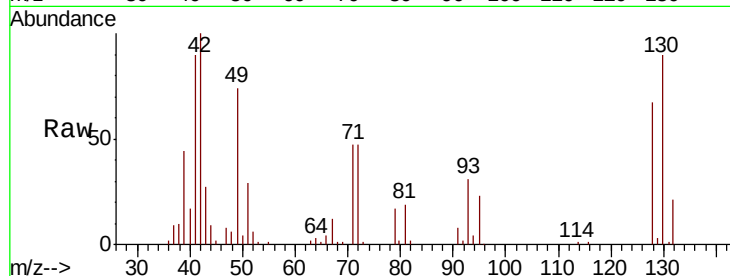




#29
Tetrahydrofuran
Concen: 267.695 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

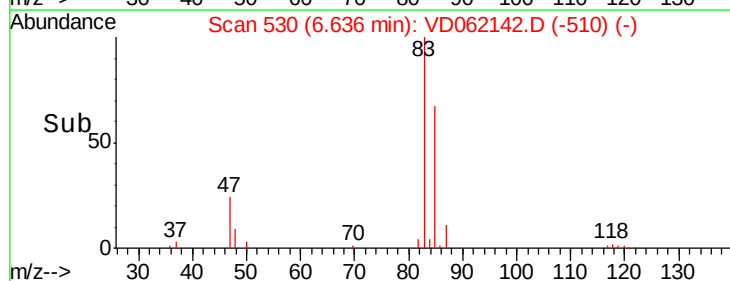
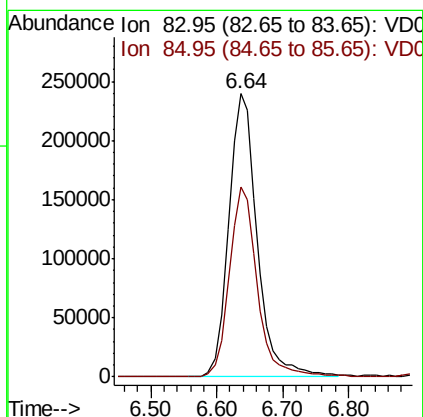
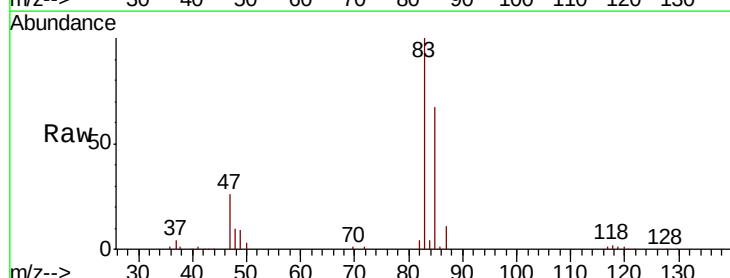
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

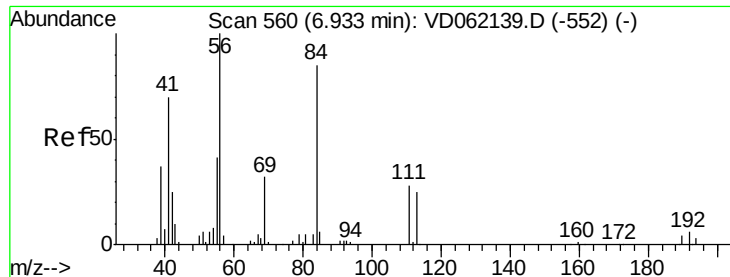
Tot Ion: 42 Resp: 233067
Ion Ratio Lower Upper
42 100
72 44.7 37.8 56.6
71 44.4 36.7 55.1



#30
Chloroform
Concen: 47.515 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 83 Resp: 724445
Ion Ratio Lower Upper
83 100
85 67.1 51.7 77.5





#31

Cyclohexane

Concen: 51.621 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

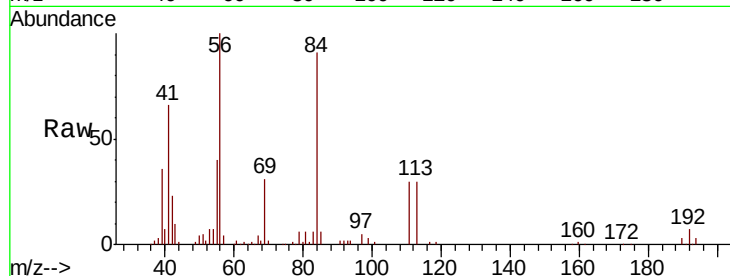
Tot Ion: 56 Resp: 447408

Ion Ratio Lower Upper

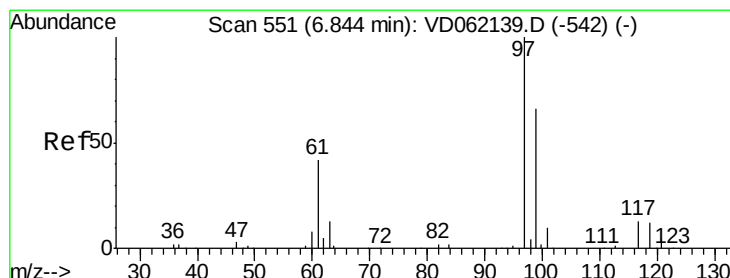
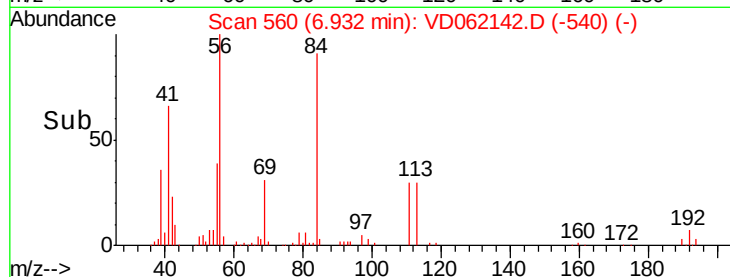
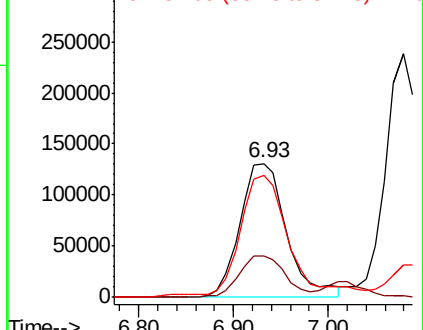
56 100

69 31.2 25.8 38.6

84 90.9 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: 46.688 ug/l

RT: 6.84 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

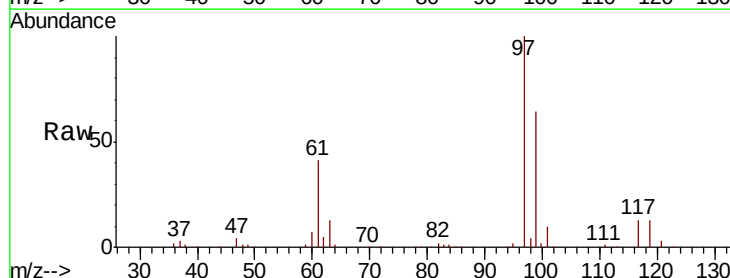
Tgt Ion: 97 Resp: 672810

Ion Ratio Lower Upper

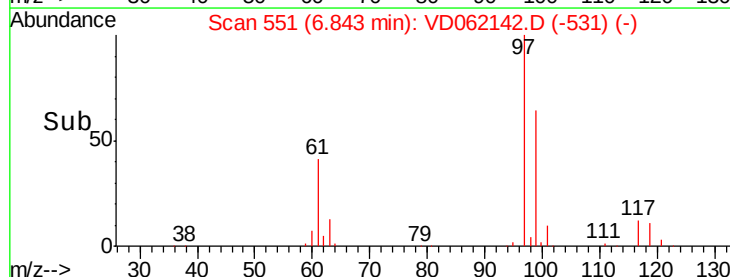
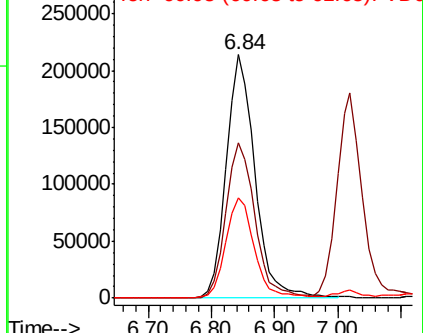
97 100

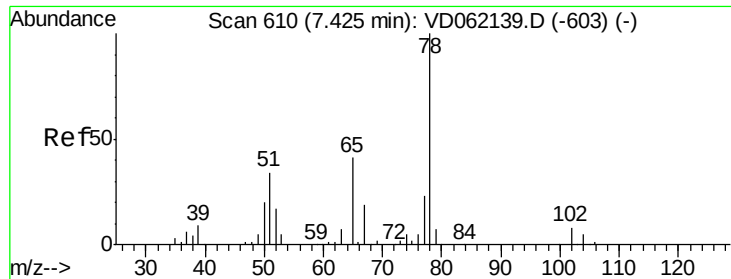
99 63.7 52.2 78.2

61 41.3 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

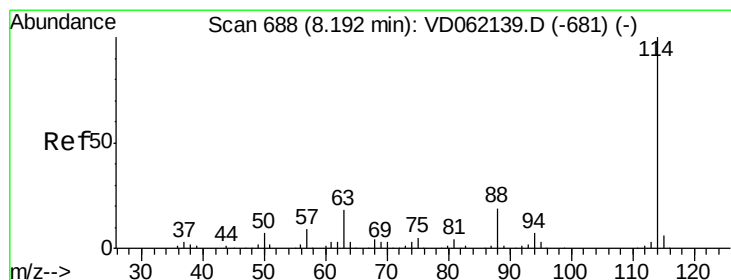
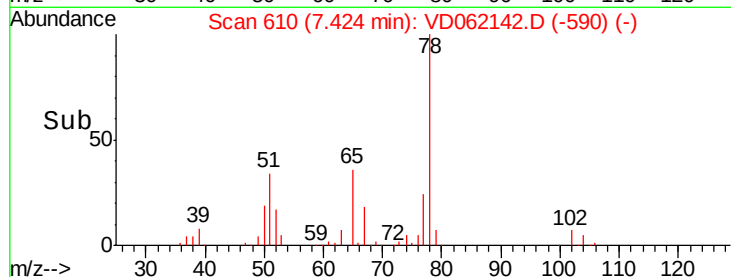
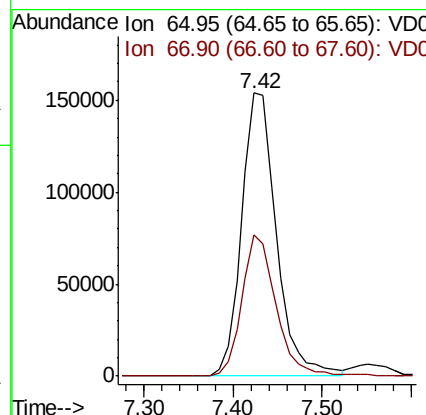
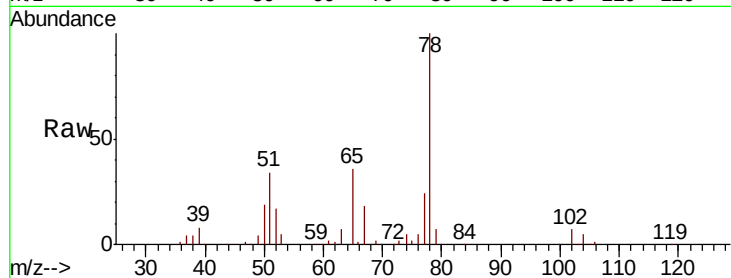




#33
 1,2-Dichloroethane-d4
 Concen: 50.372 ug/l
 RT: 7.42 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

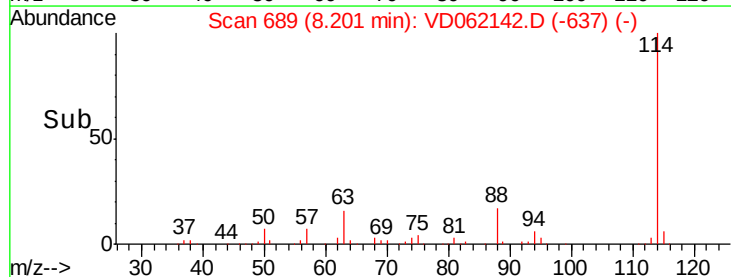
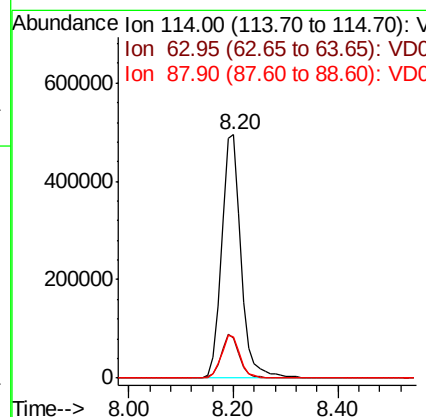
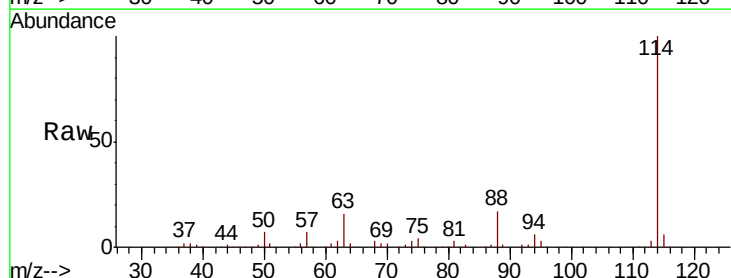
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

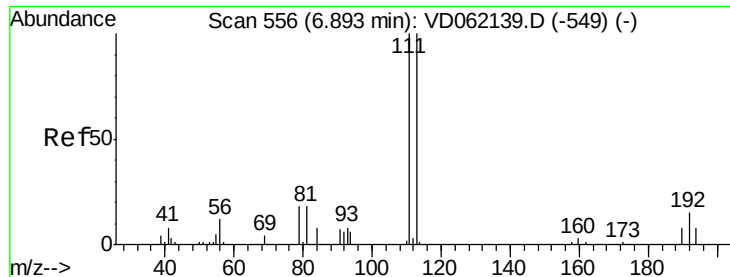
Tot Ion: 65 Resp: 416107
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 114 Resp: 1276591
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.101 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

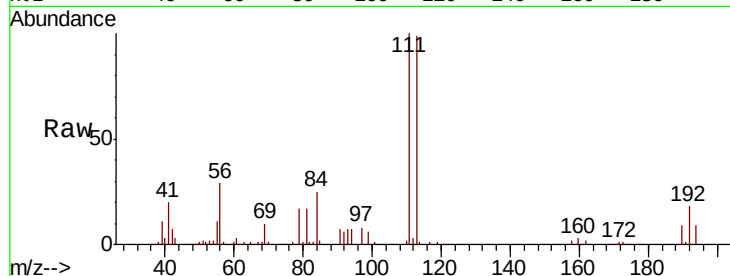
Tot Ion:113 Resp: 520077

Ion Ratio Lower Upper

113 100

111 100.5 78.5 117.7

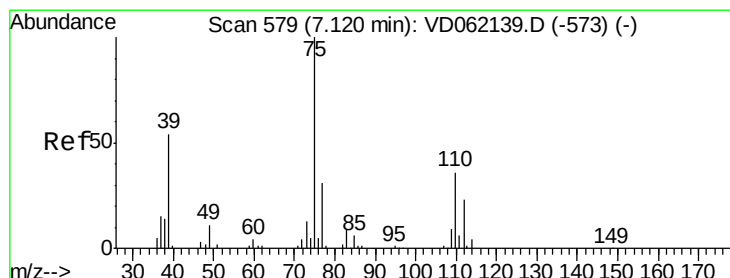
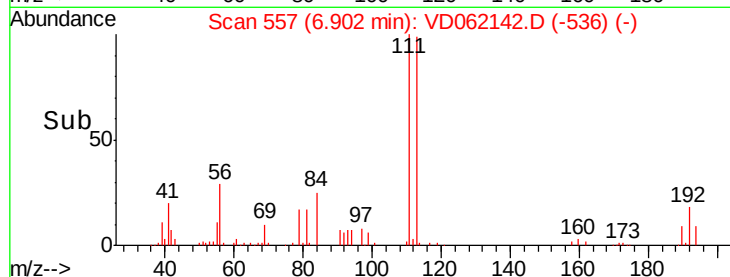
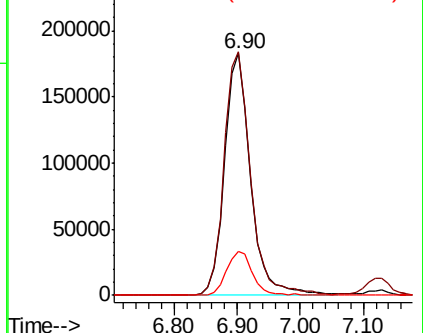
192 18.3 13.0 19.4



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: 51.058 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

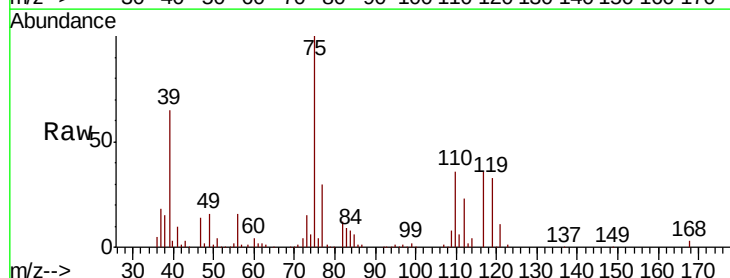
Tgt Ion: 75 Resp: 534421

Ion Ratio Lower Upper

75 100

110 36.4 19.1 57.1

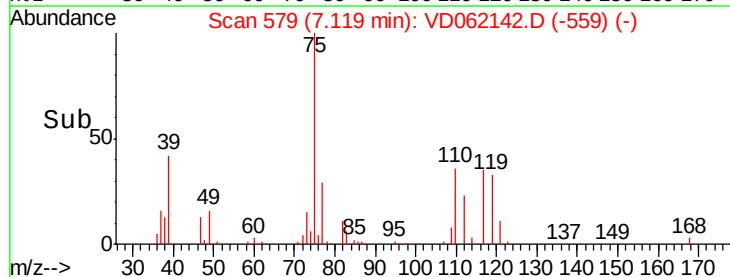
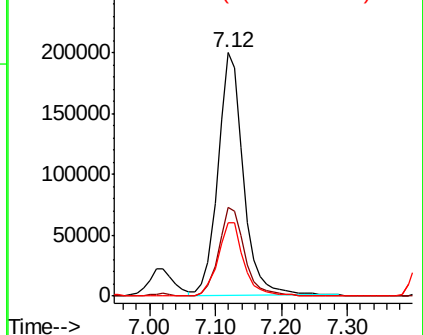
77 30.3 25.6 38.4

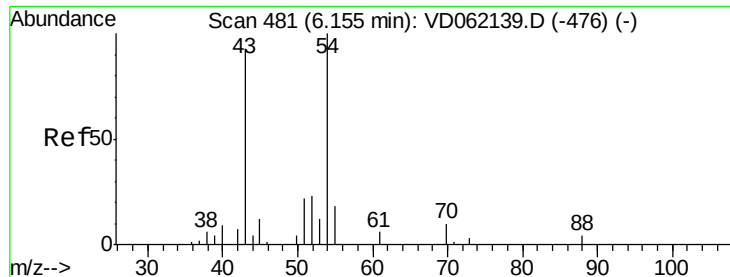


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 52.674 ug/l

RT: 6.15 min Scan# 481

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

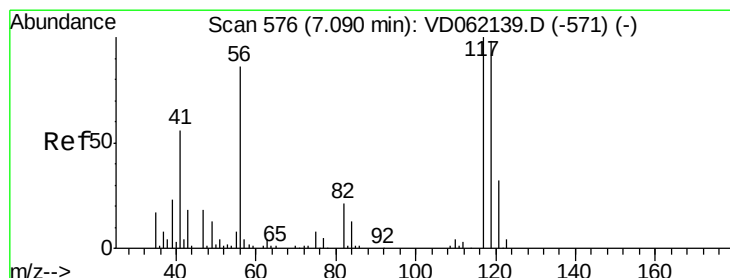
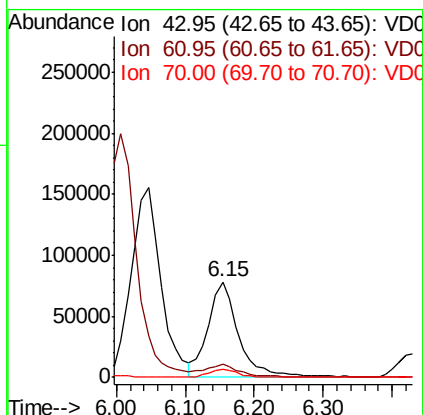
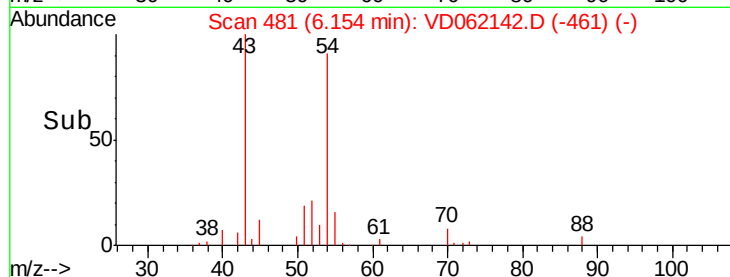
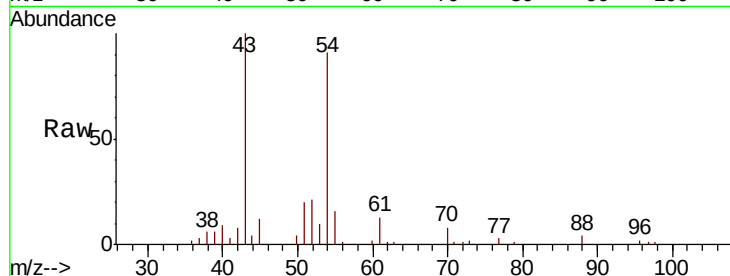
Tot Ion: 43 Resp: 233811

Ion Ratio Lower Upper

43 100

61 13.4 14.7 22.1#

70 8.3 7.8 11.6



#38

Carbon Tetrachloride

Concen: 48.760 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

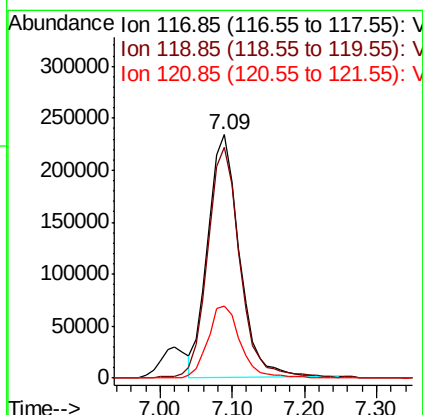
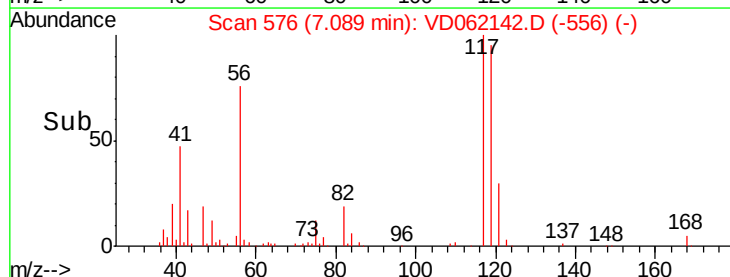
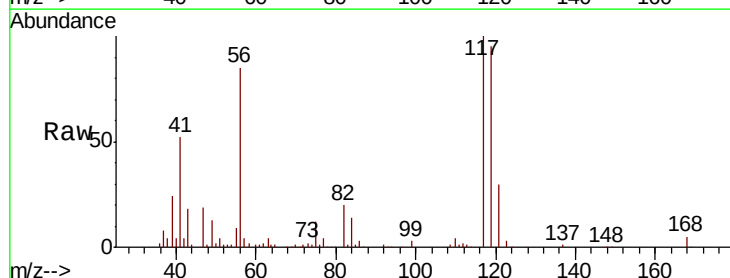
Tgt Ion: 117 Resp: 706385

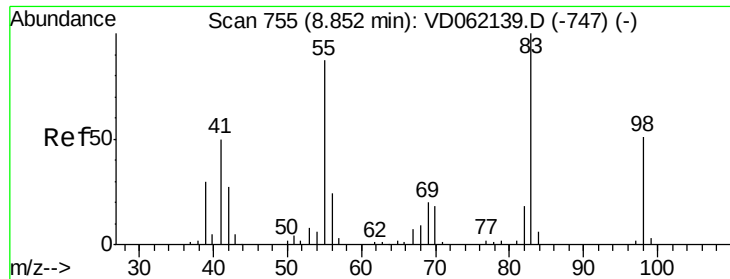
Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8

121 29.5 25.9 38.9

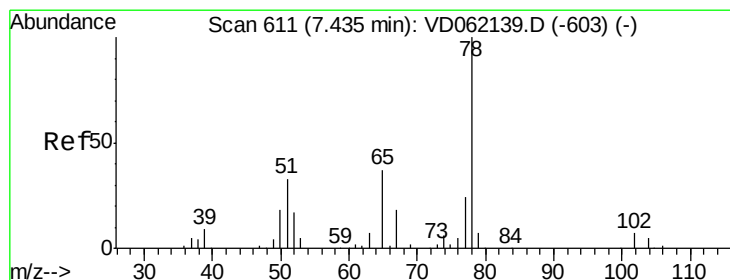
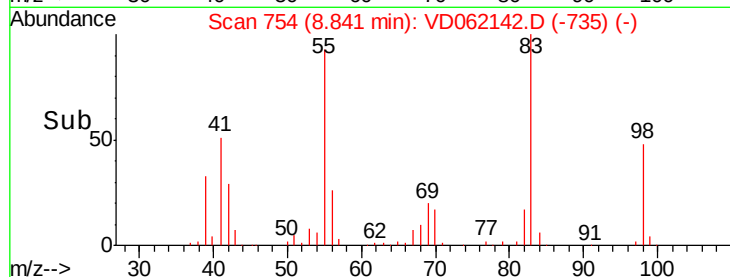
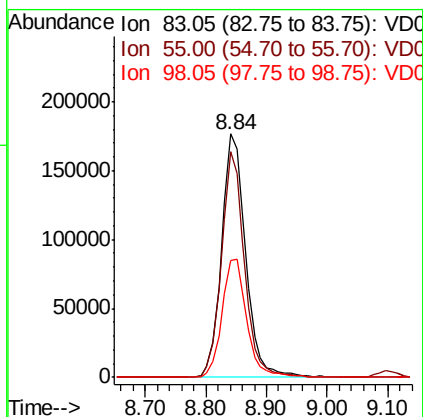
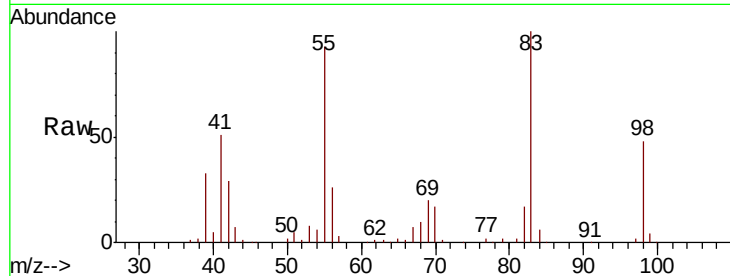




#39
Methylvlcyclohexane
Concen: 48.551 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

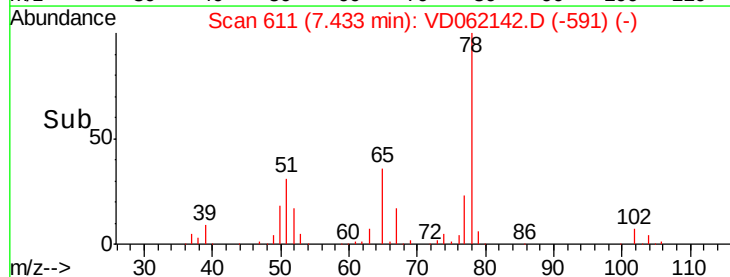
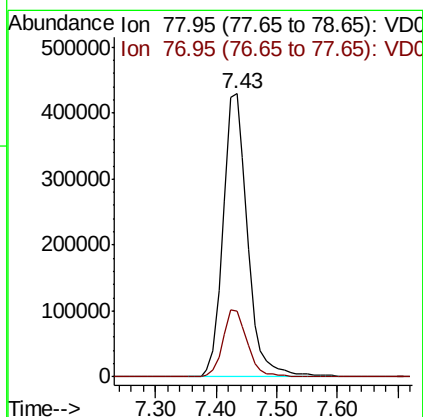
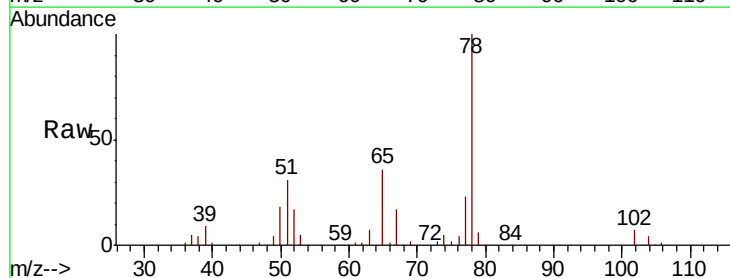
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

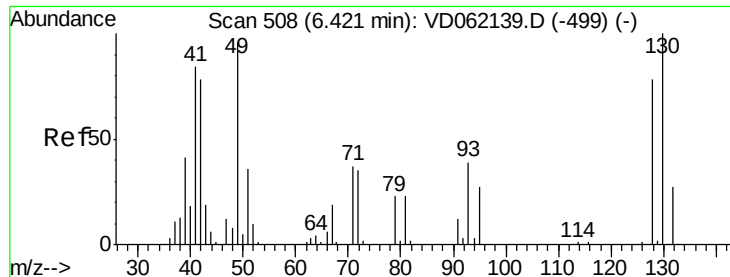
Tot Ion: 83 Resp: 486889
Ion Ratio Lower Upper
83 100
55 92.5 68.2 102.4
98 48.1 38.2 57.4



#40
Benzene
Concen: 50.896 ug/l
RT: 7.43 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 78 Resp: 1202939
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5

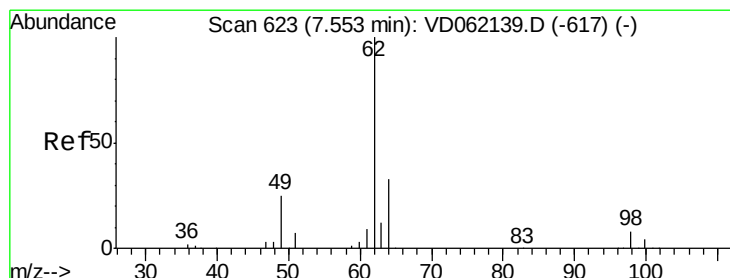
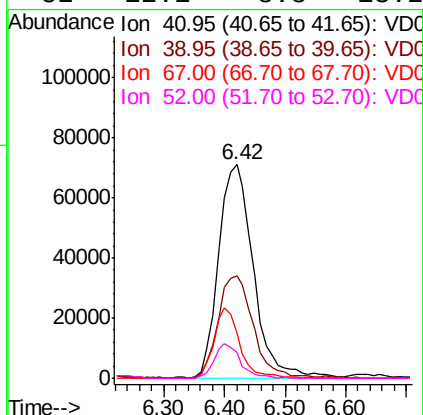
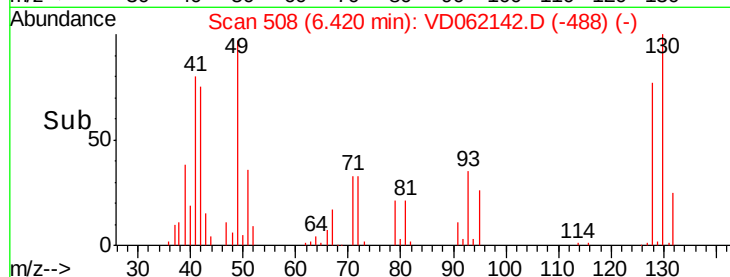
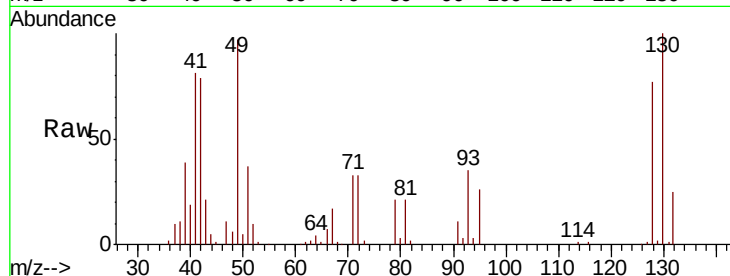




#41
Methacrylonitrile
Concen: 52.232 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

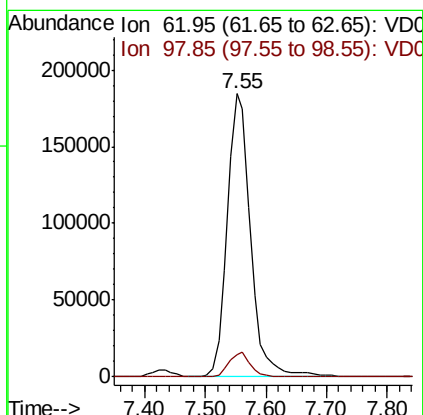
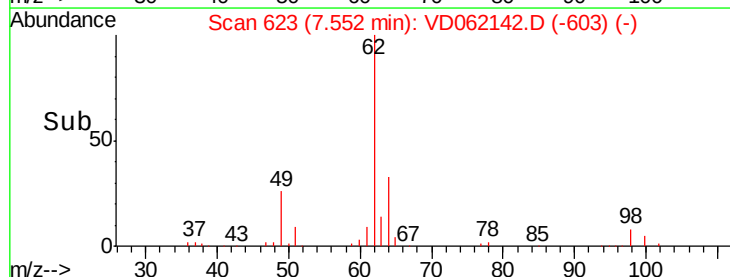
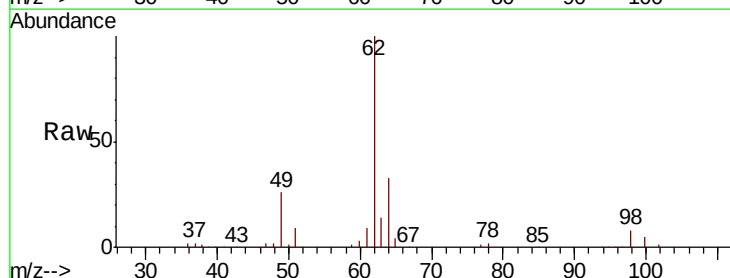
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

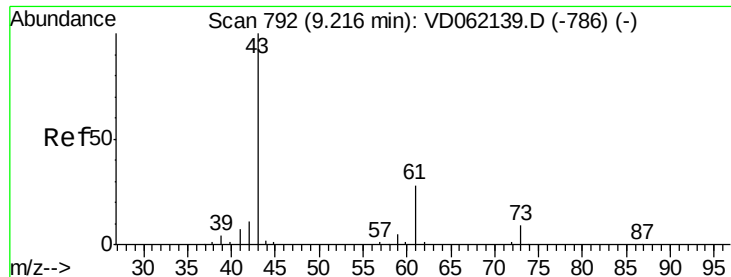
Tot Ion: 41 Resp: 283331
Ion Ratio Lower Upper
41 100
39 48.1 34.1 51.1
67 21.0 23.8 35.6#
52 12.1 8.8 13.2



#42
1,2-Dichloroethane
Concen: 48.925 ug/l
RT: 7.55 min Scan# 623
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 62 Resp: 489928
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.775 ug/l

RT: 9.21 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

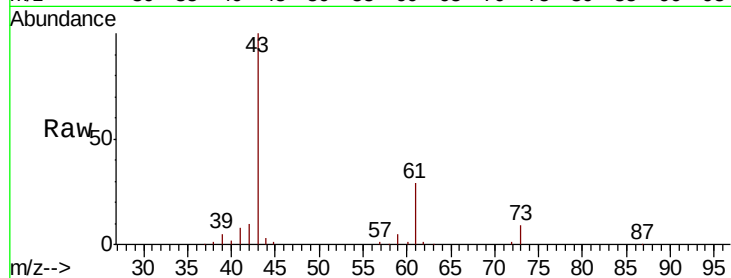
Tot Ion: 43 Resp: 332235

Ion Ratio Lower Upper

43 100

61 28.5 25.1 37.7

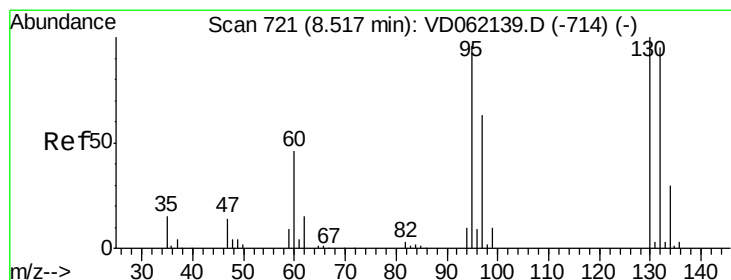
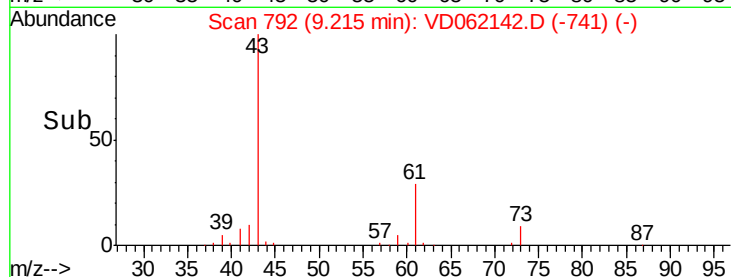
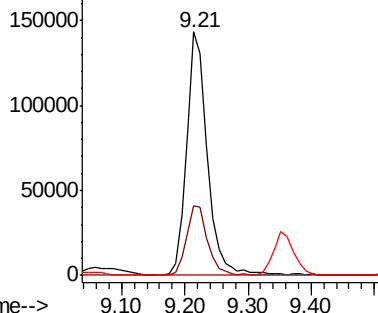
87 0.2 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.836 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD062142.D

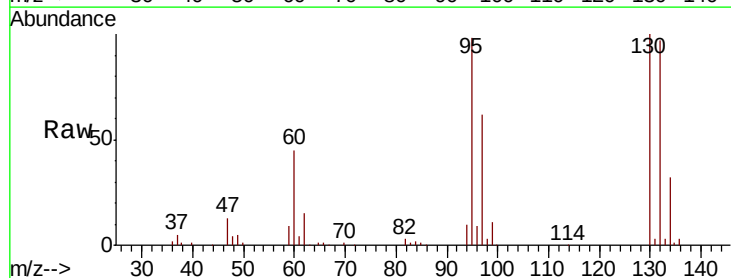
Acq: 7 May 2019 17:06

Tgt Ion:130 Resp: 457851

Ion Ratio Lower Upper

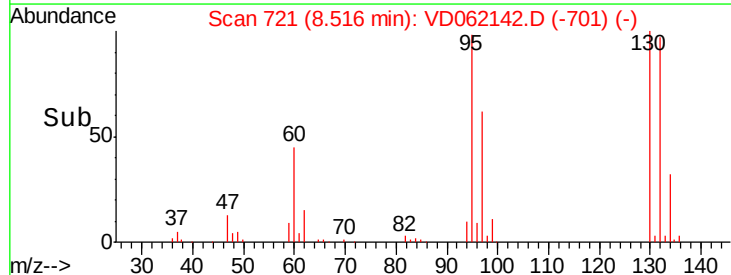
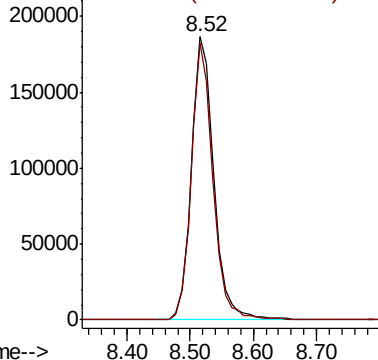
130 100

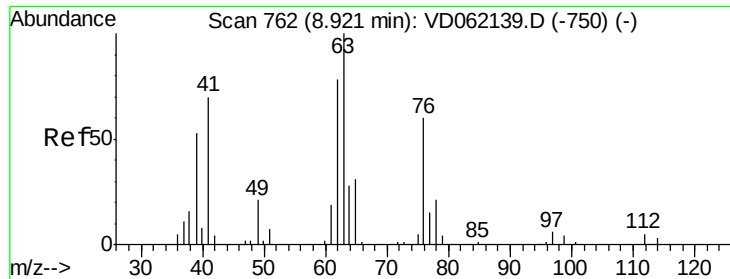
95 97.6 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

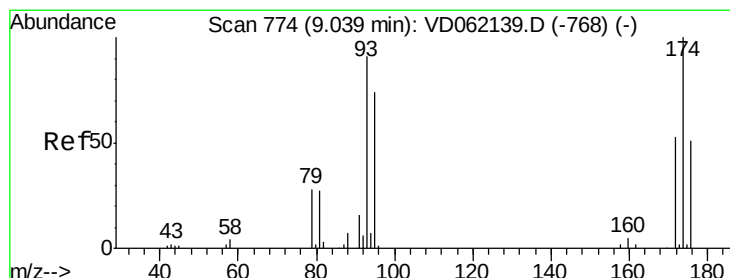
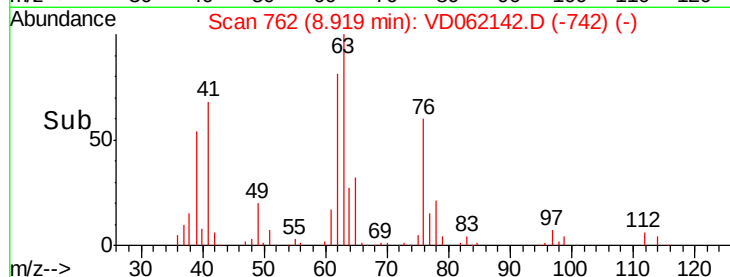
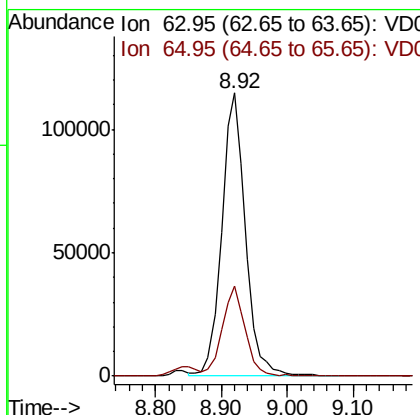
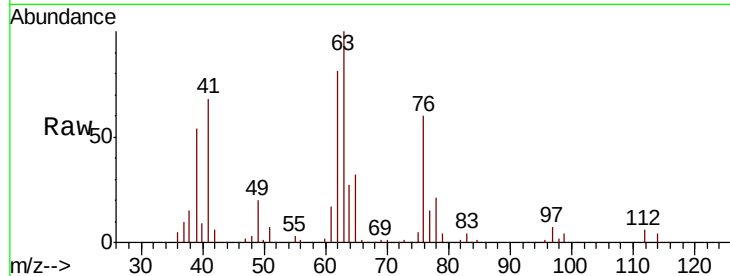




#45
 1,2-Dichloropropane
 Concen: 49.127 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

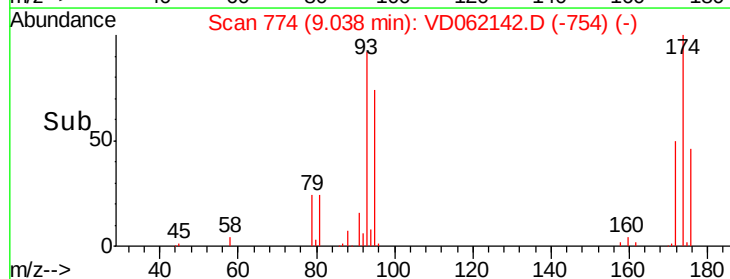
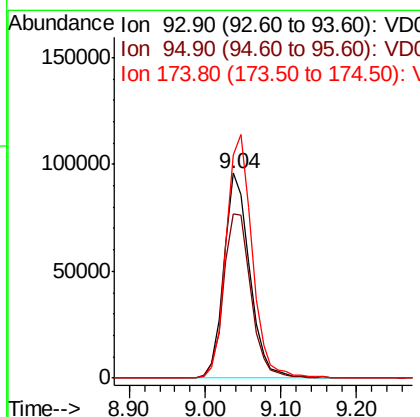
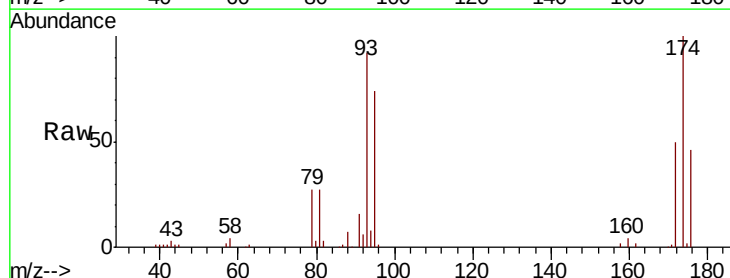
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

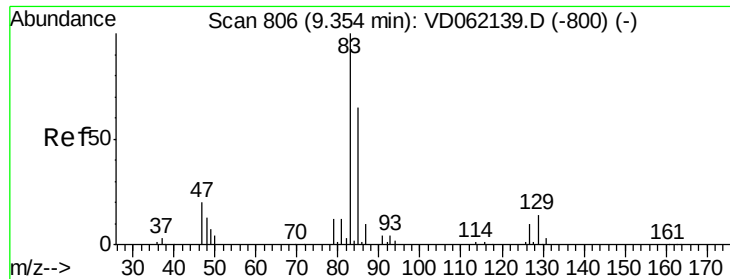
Tot Ion: 63 Resp: 287210
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6



#46
 Dibromomethane
 Concen: 47.519 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 93 Resp: 225909
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.8 97.2
 174 108.9 79.3 118.9





#47

Bromodichloromethane

Concen: 48.815 ug/l

RT: 9.35 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

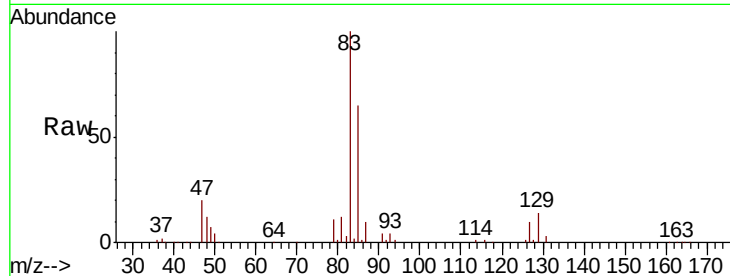
Tot Ion: 83 Resp: 567655

Ion Ratio Lower Upper

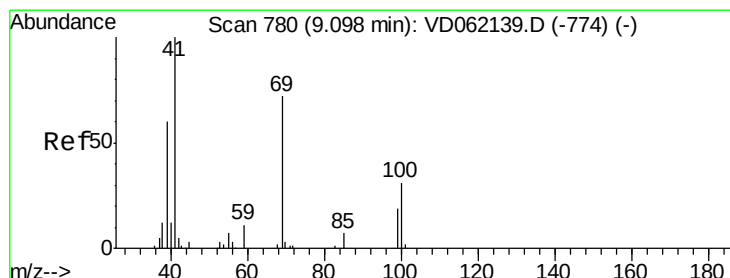
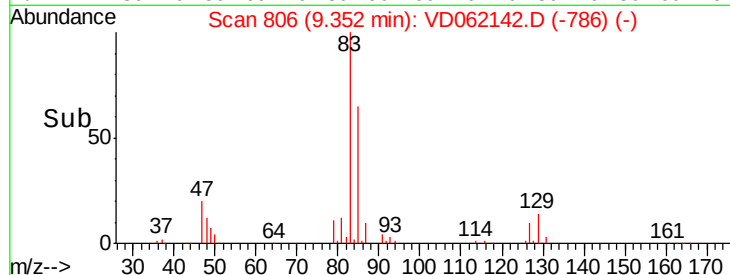
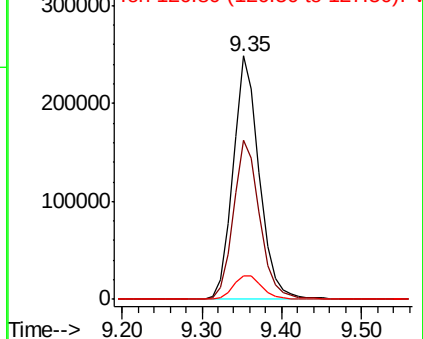
83 100

85 65.3 50.9 76.3

127 9.5 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): VDC



#48

Methyl methacrylate

Concen: 49.677 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

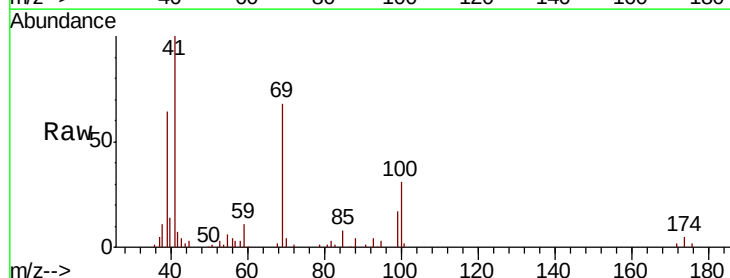
Tgt Ion: 41 Resp: 192629

Ion Ratio Lower Upper

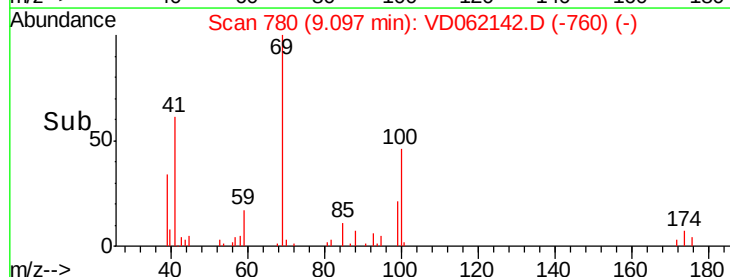
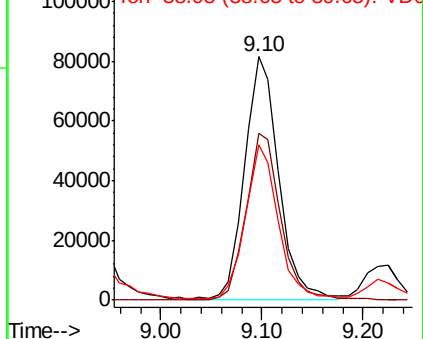
41 100

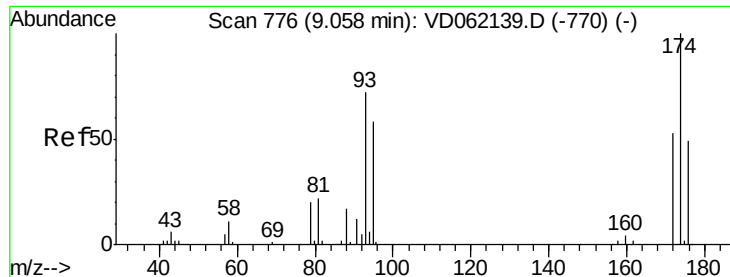
69 68.3 64.2 96.2

39 63.7 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

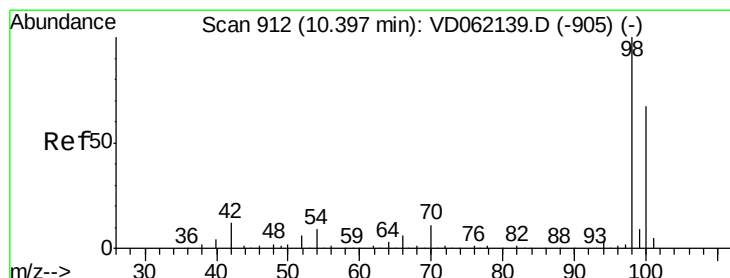
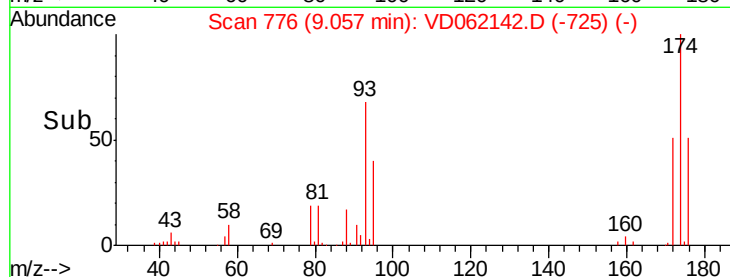
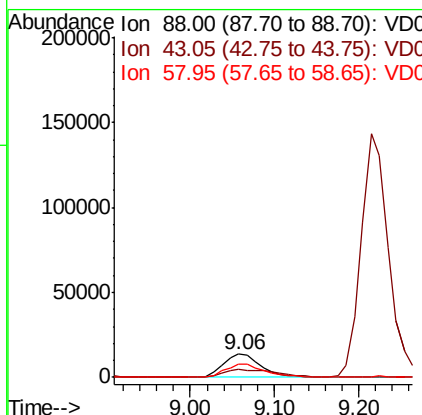
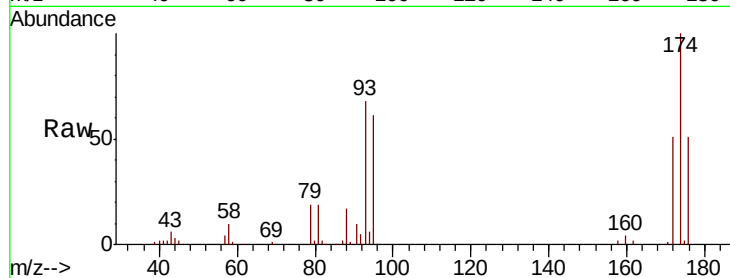




#49
 1,4-Dioxane
 Concen: 1020.322 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

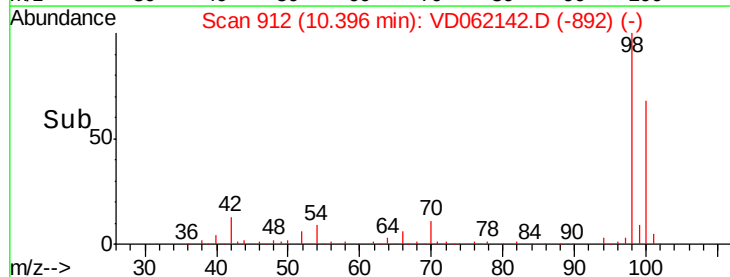
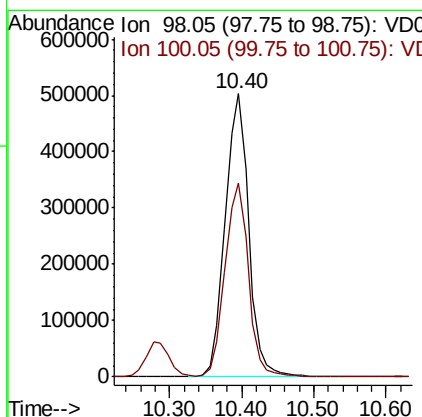
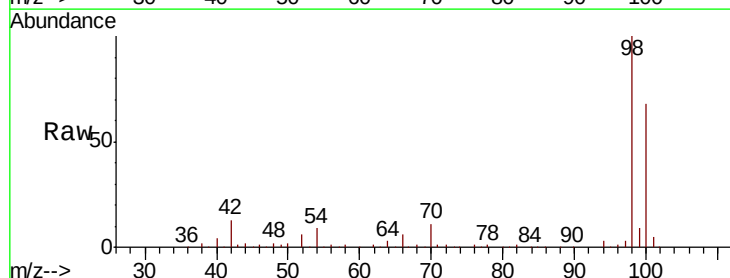
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

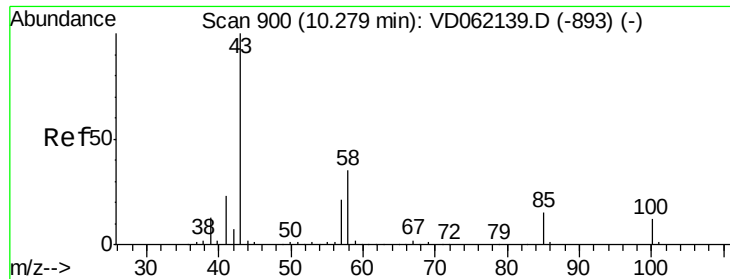
Tot Ion: 88 Resp: 42688
 Ion Ratio Lower Upper
 88 100
 43 32.4 23.4 35.0
 58 59.6 44.0 66.0



#50
 Toluene-d8
 Concen: 44.604 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 98 Resp: 1139104
 Ion Ratio Lower Upper
 98 100
 100 68.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 261.967 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

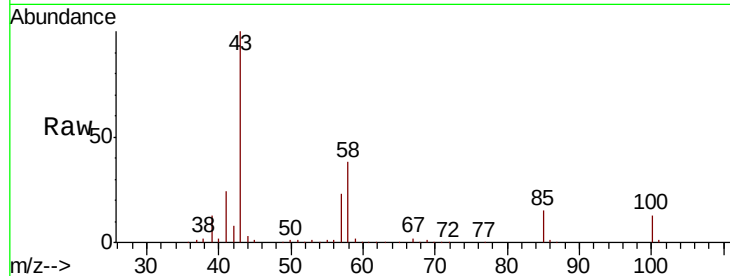
ICVVD050719

Tot Ion: 43 Resp: 1060091

Ion Ratio Lower Upper

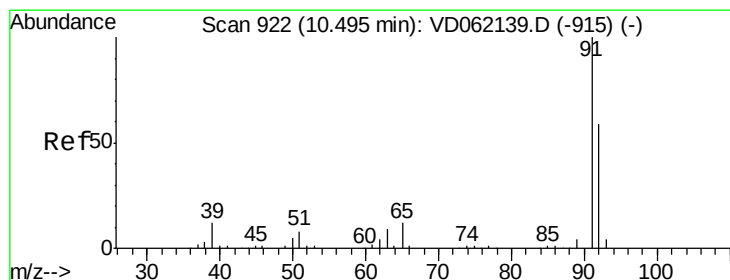
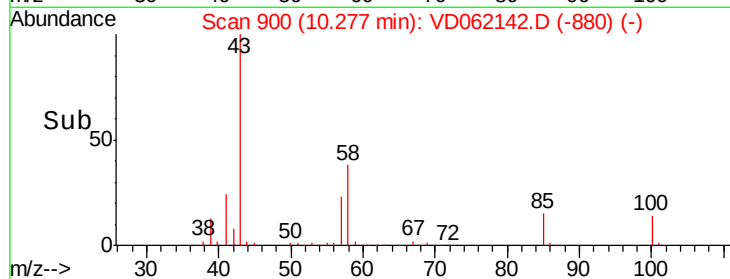
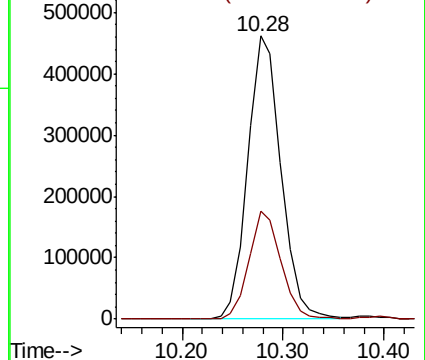
43 100

58 37.9 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: 51.846 ug/l

RT: 10.49 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062142.D

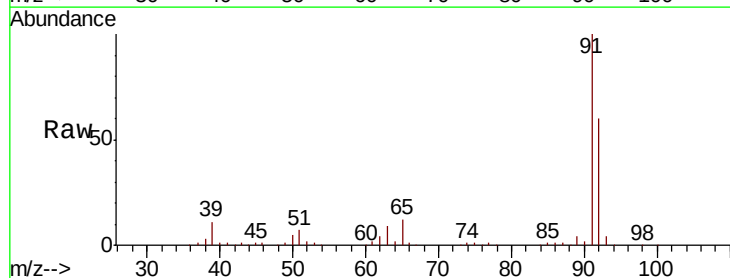
Acq: 7 May 2019 17:06

Tgt Ion: 92 Resp: 797296

Ion Ratio Lower Upper

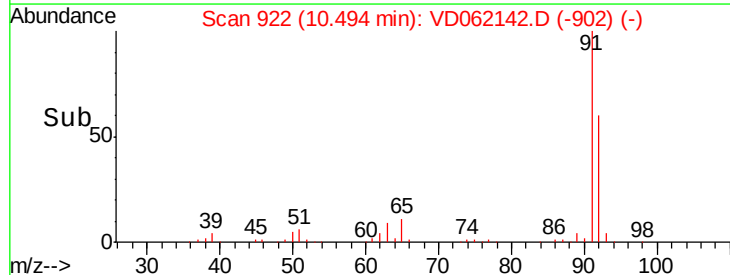
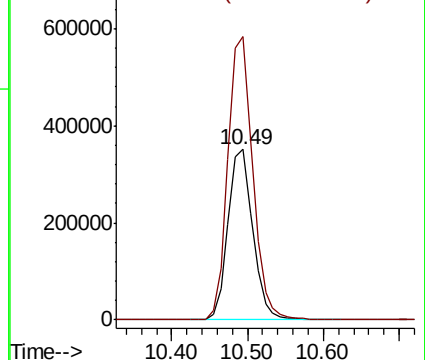
92 100

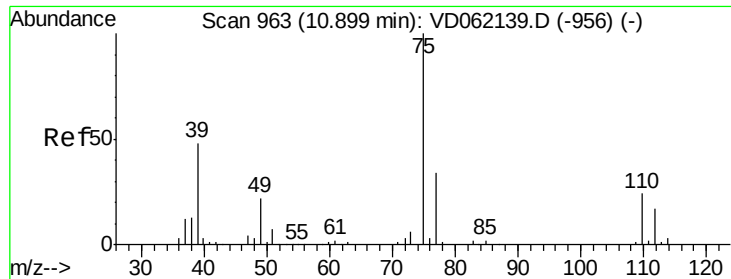
91 166.1 136.6 204.8



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: 47.388 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

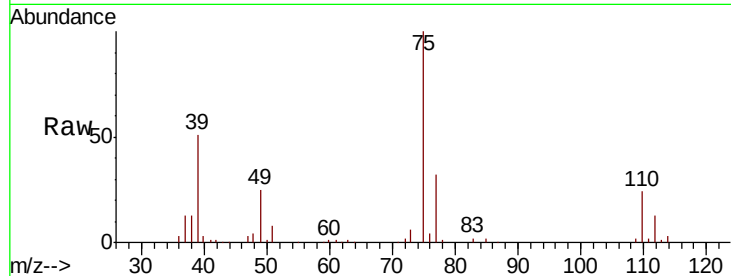
ICVVD050719

Tot Ion: 75 Resp: 476272

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.89

250000

200000

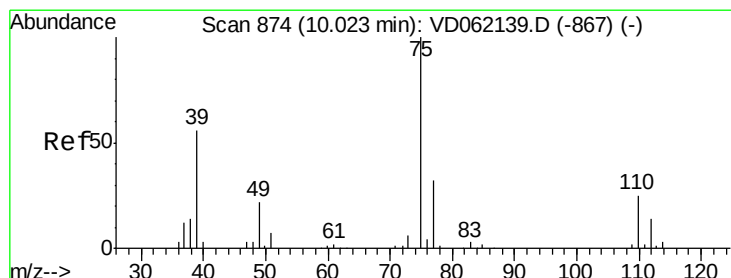
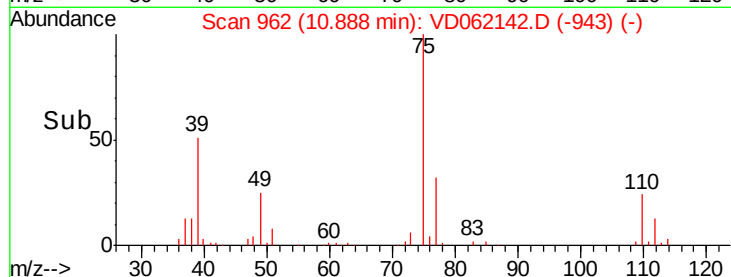
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.569 ug/l

RT: 10.02 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

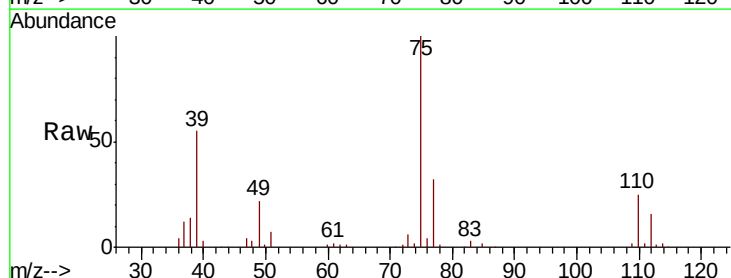
Tgt Ion: 75 Resp: 554454

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 54.9 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.02

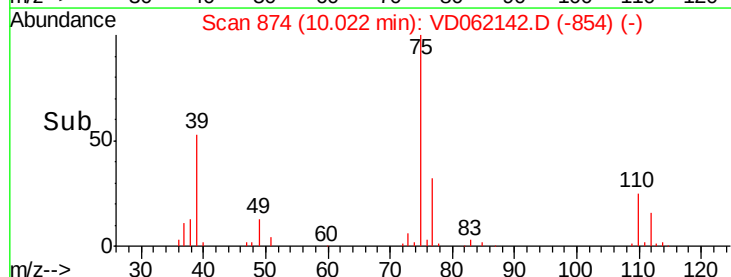
300000

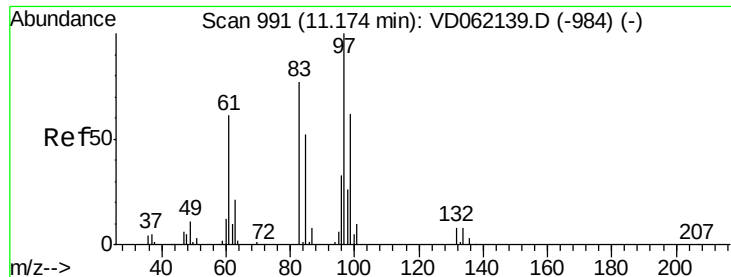
200000

100000

0

Time-->

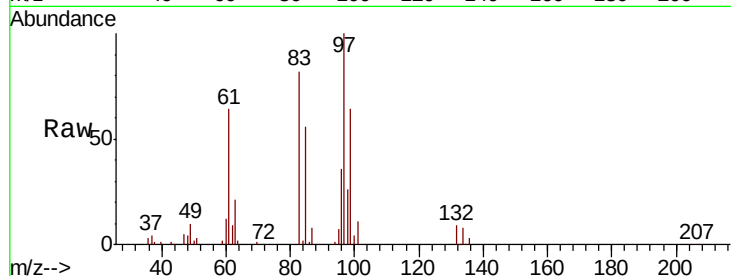




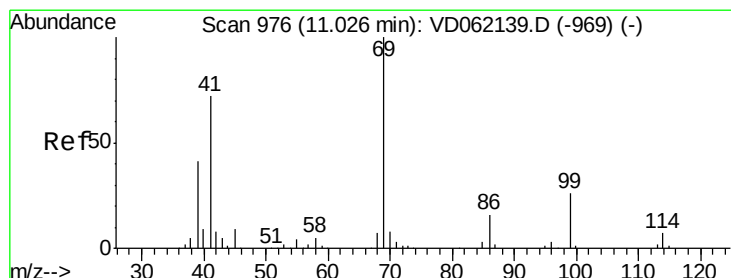
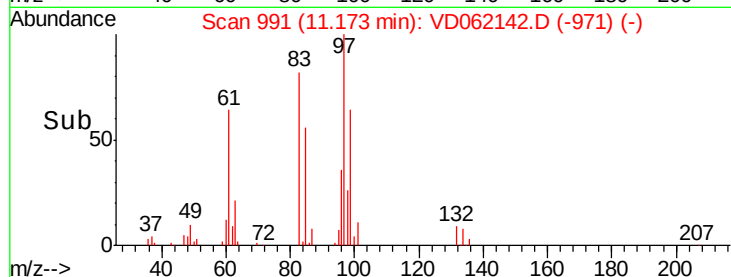
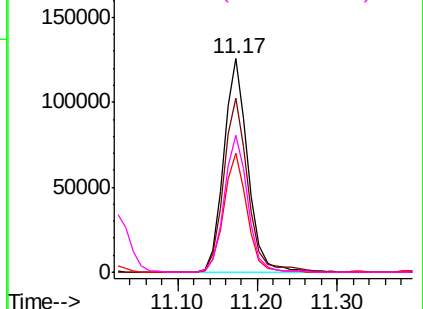
#55
 1,1,2-Trichloroethane
 Concen: 49.078 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Tot Ion:	97	Resp:	267042
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.7	98.5
85	55.8	45.6	68.4
99	64.3	48.4	72.6

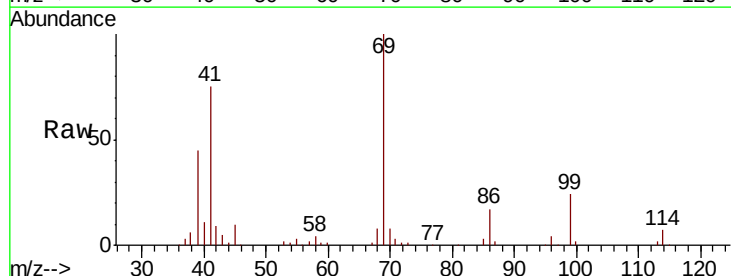


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

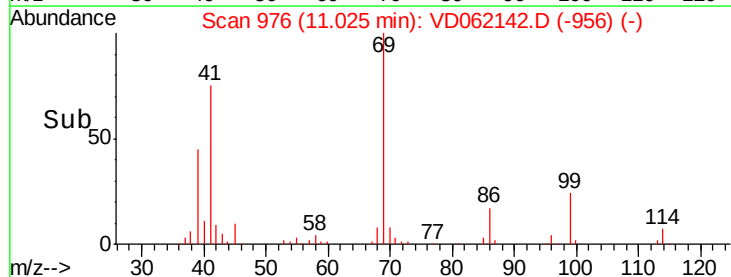
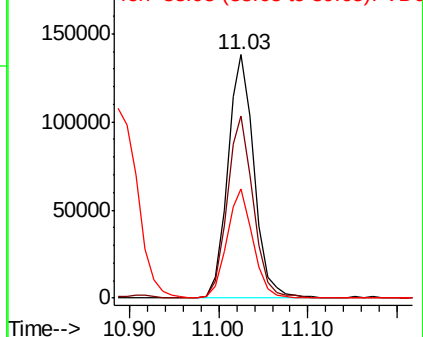


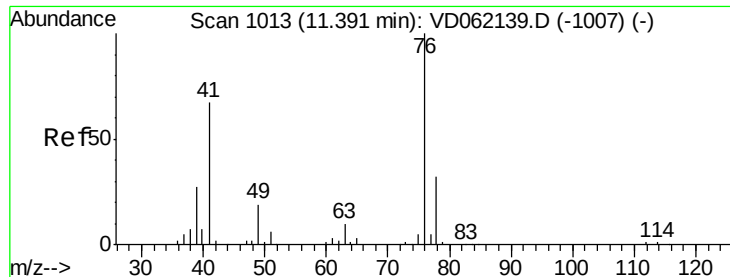
#56
 Ethyl methacrylate
 Concen: 50.403 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion:	69	Resp:	284988
Ion	Ratio	Lower	Upper
69	100		
41	75.0	56.3	84.5
39	45.0	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

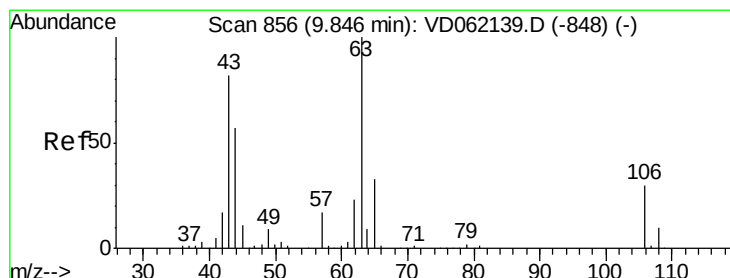
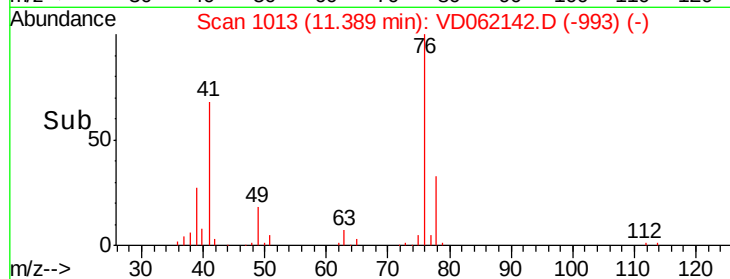
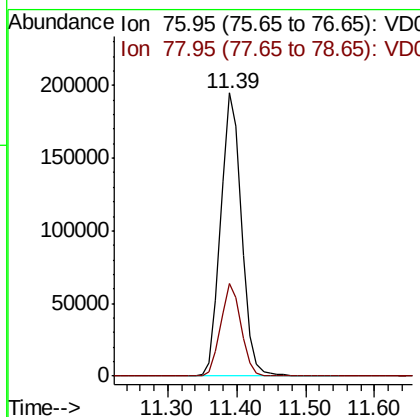
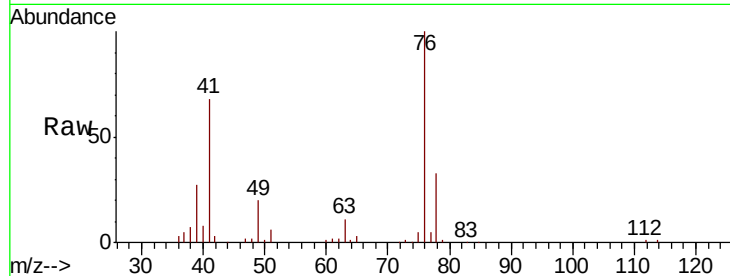




#57
 1,3-Dichloropropane
 Concen: 49.681 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

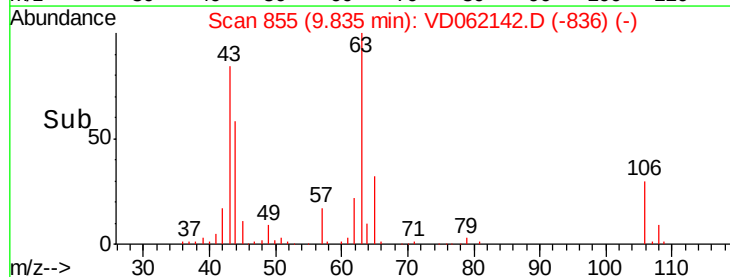
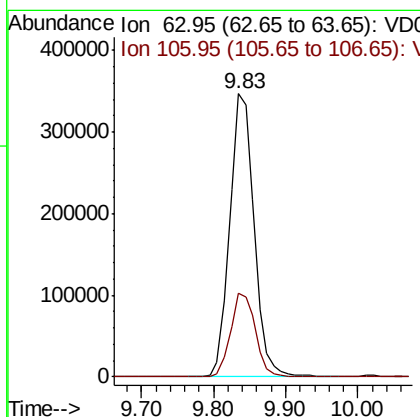
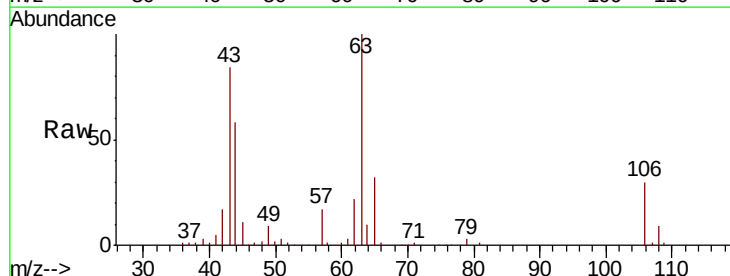
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

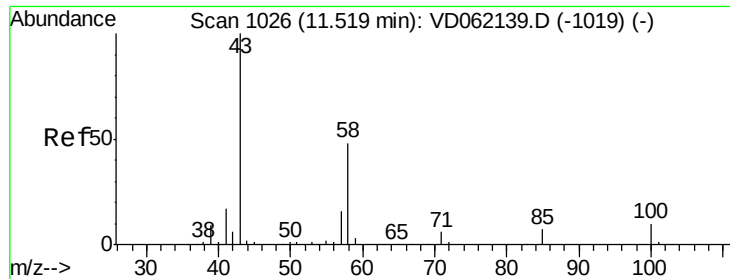
Tot Ion: 76 Resp: 408392
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.002 ug/l
 RT: 9.83 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 63 Resp: 818458
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0

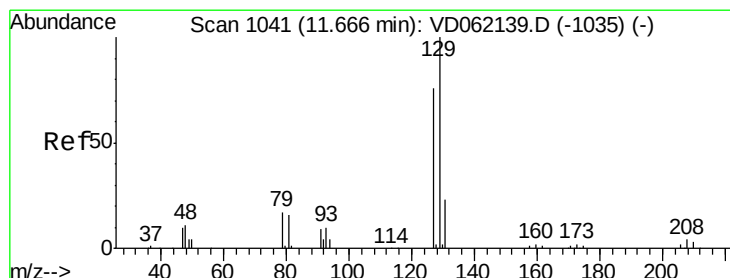
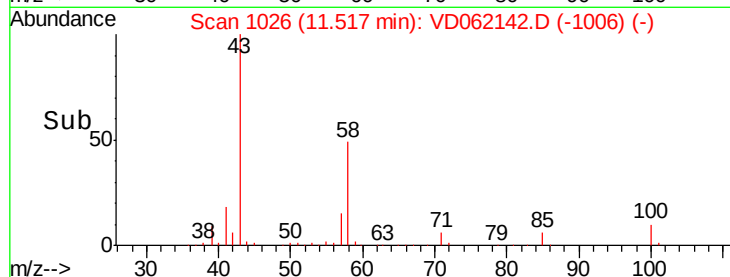
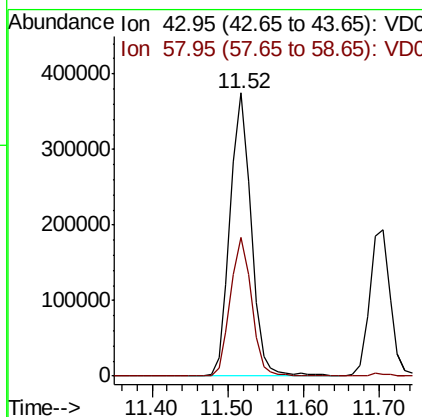
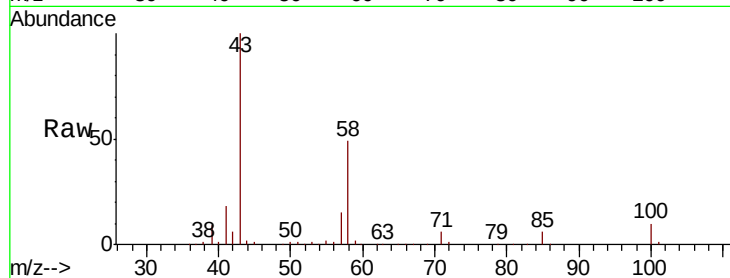




#59
2-Hexanone
Concen: 242.280 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

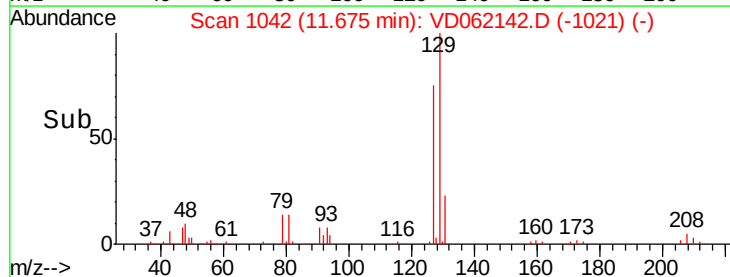
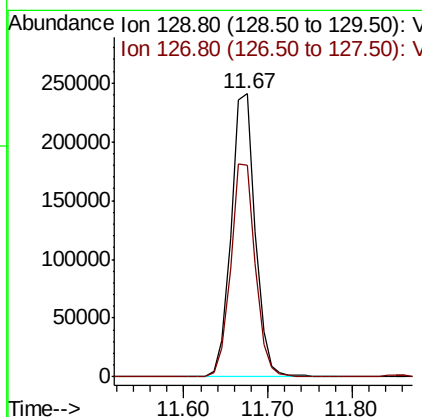
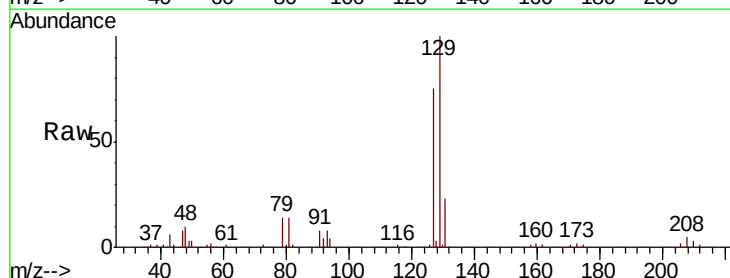
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

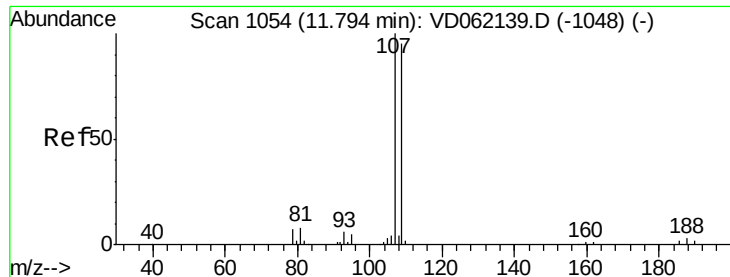
Tot Ion: 43 Resp: 722609
Ion Ratio Lower Upper
43 100
58 49.0 25.4 76.4



#60
Dibromochloromethane
Concen: 50.885 ug/l
RT: 11.67 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:129 Resp: 478491
Ion Ratio Lower Upper
129 100
127 74.9 38.0 113.9

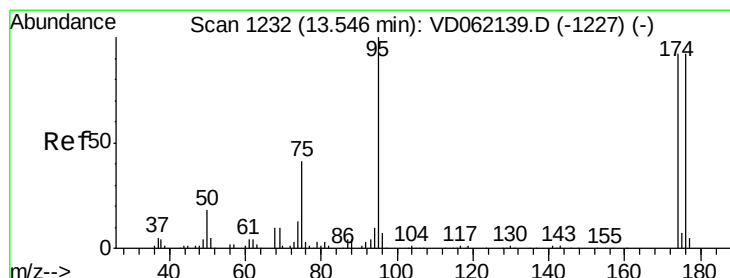
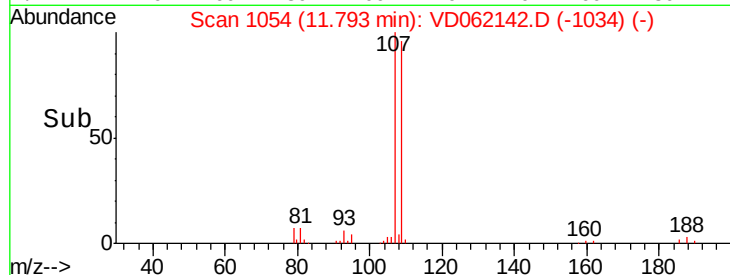
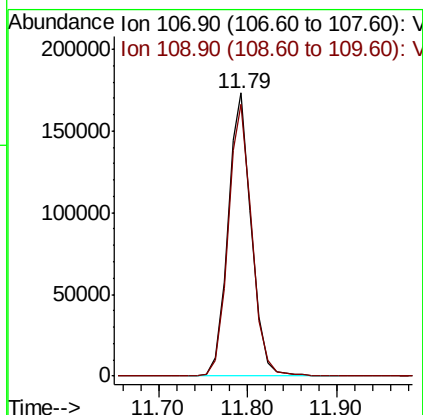
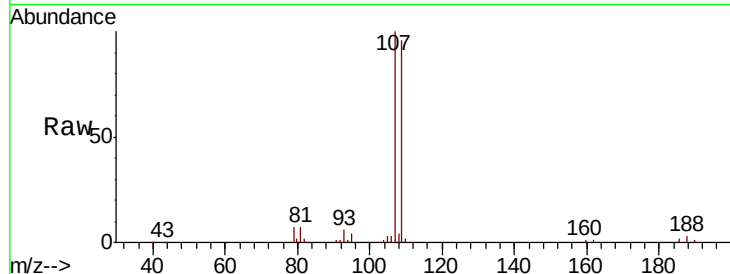




#61
 1,2-Dibromoethane
 Concen: 48.189 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

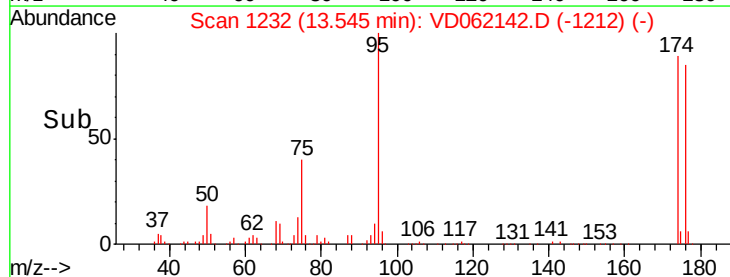
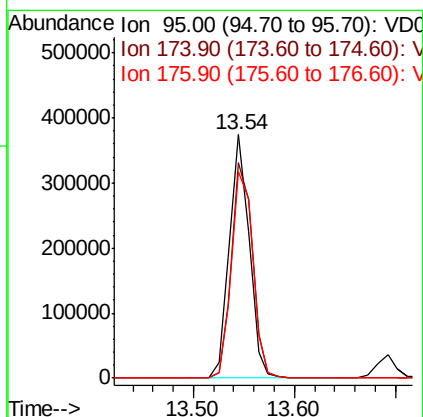
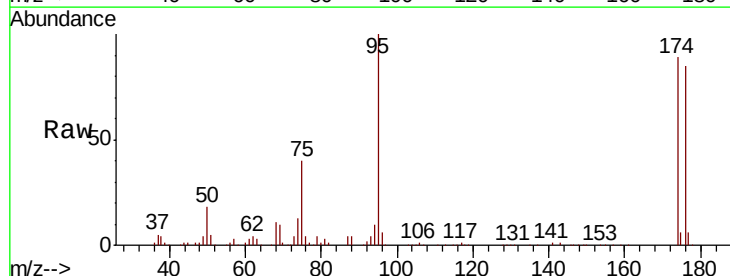
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

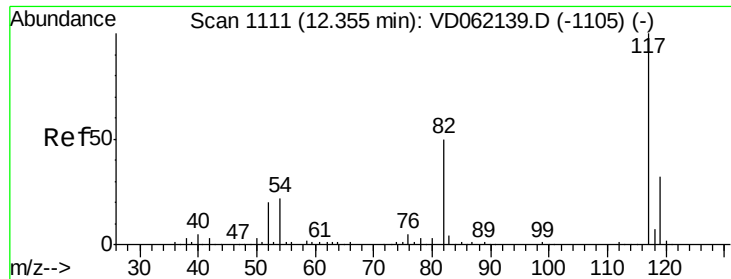
Tot Ion:107 Resp: 318777
 Ion Ratio Lower Upper
 107 100
 109 95.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.667 ug/l
 RT: 13.54 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 95 Resp: 509342
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 181.8
 176 84.9 0.0 174.4

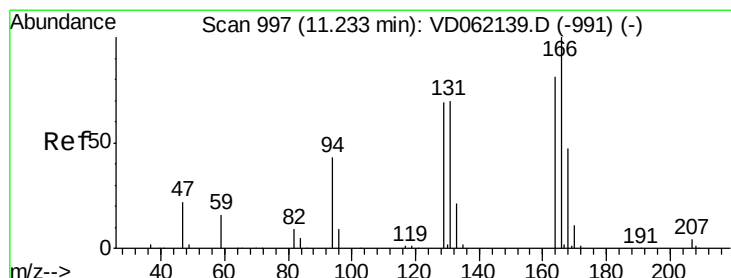
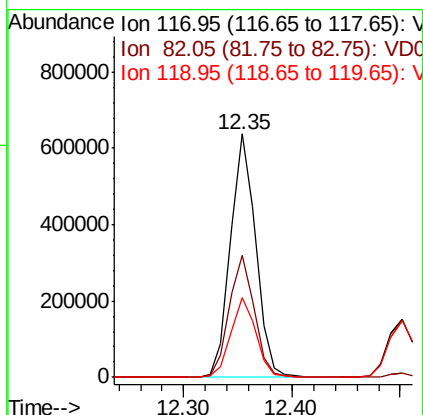
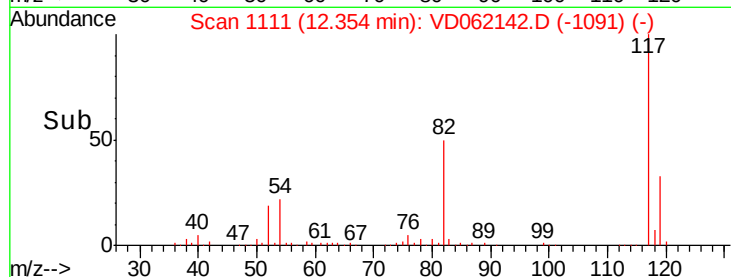
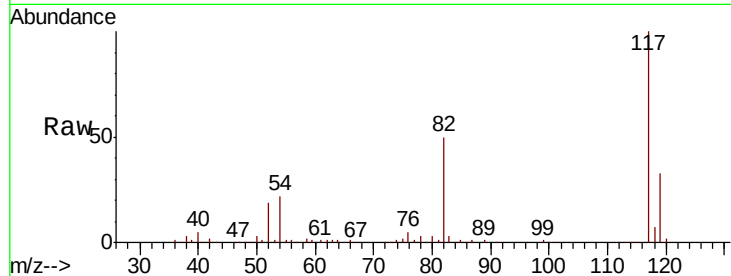




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

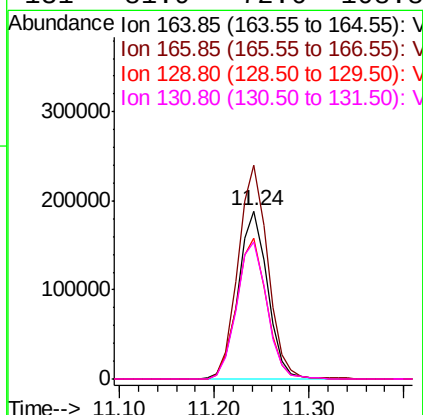
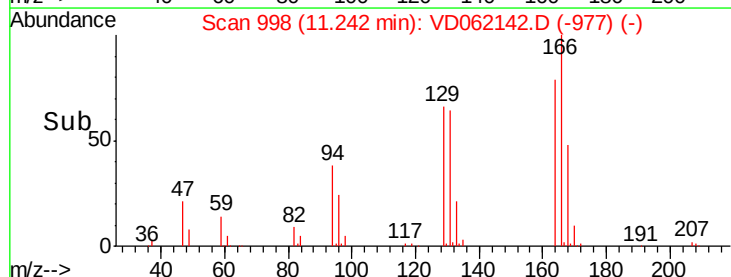
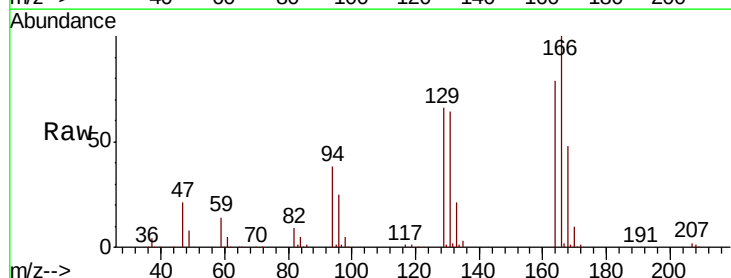
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

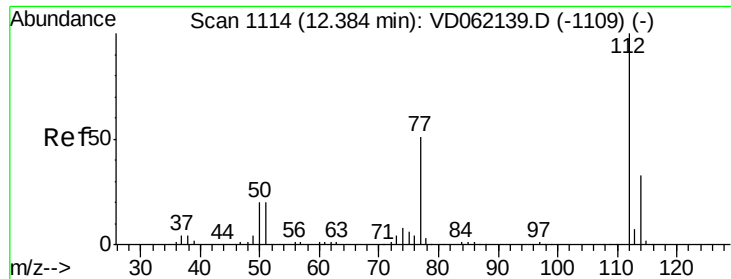
Tot Ion:117 Resp: 1038640
Ion Ratio Lower Upper
117 100
82 50.3 36.2 54.2
119 32.9 26.2 39.4



#64
Tetrachloroethene
Concen: 49.740 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:164 Resp: 403973
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 84.3 74.6 112.0
131 81.9 72.6 108.8

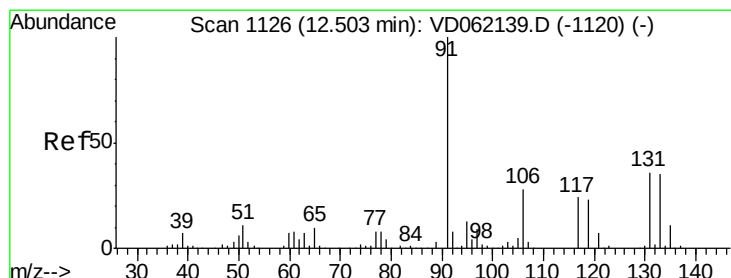
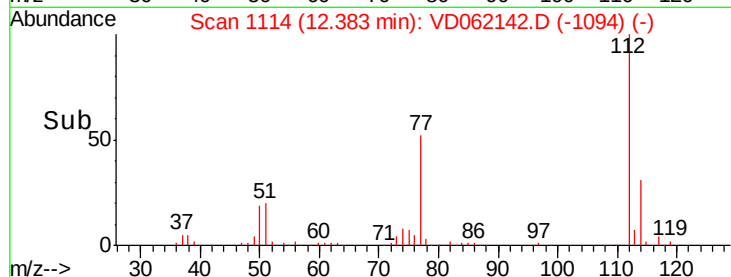
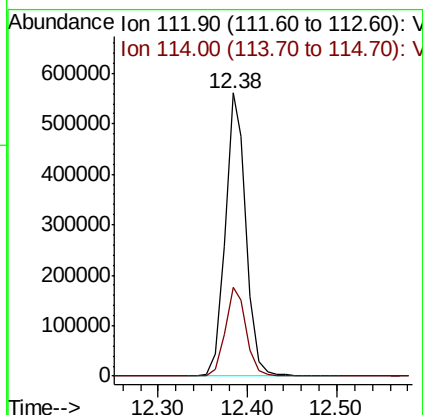
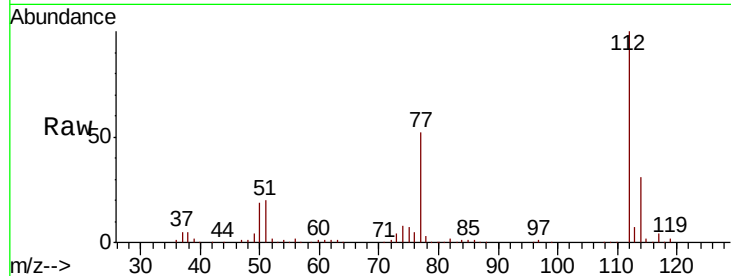




#65
Chlorobenzene
Concen: 47.228 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

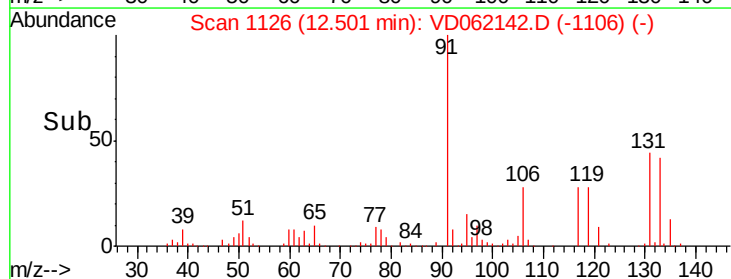
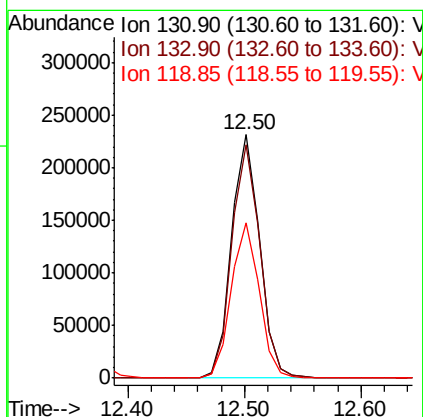
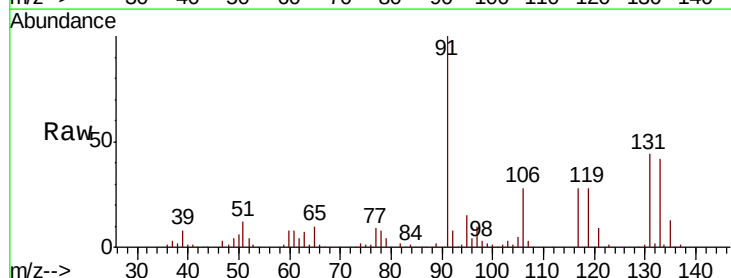
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

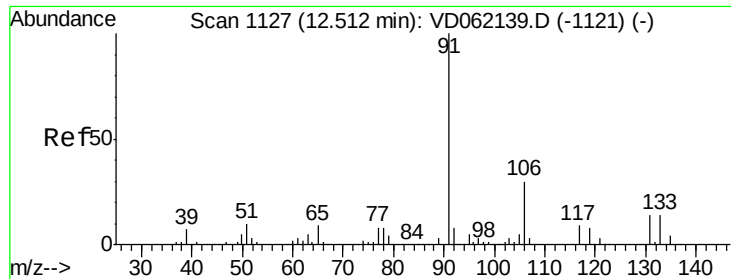
Tot Ion:112 Resp: 913616
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 45.986 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:131 Resp: 387163
Ion Ratio Lower Upper
131 100
133 95.8 48.6 145.8
119 63.7 34.7 104.1

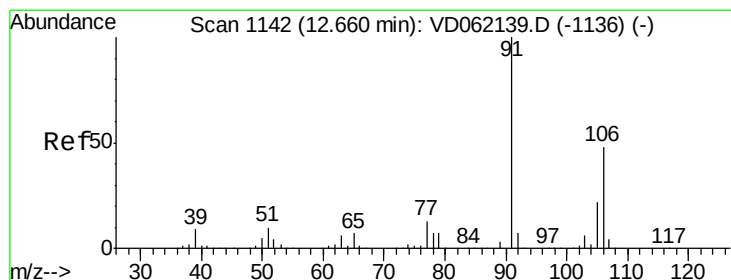
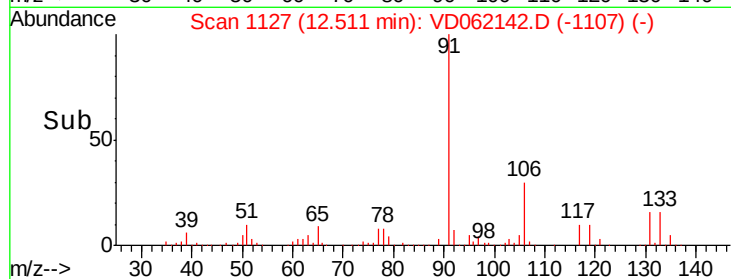
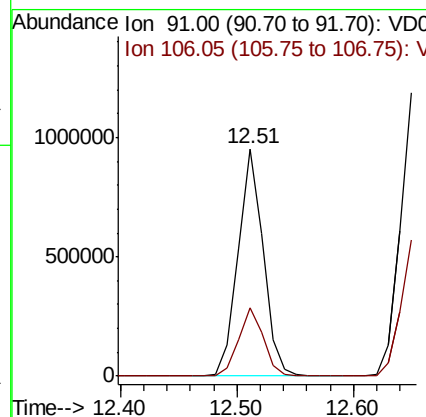
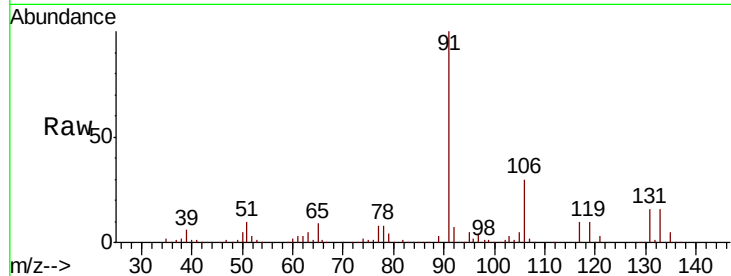




#67
Ethyl Benzene
Concen: 44.091 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

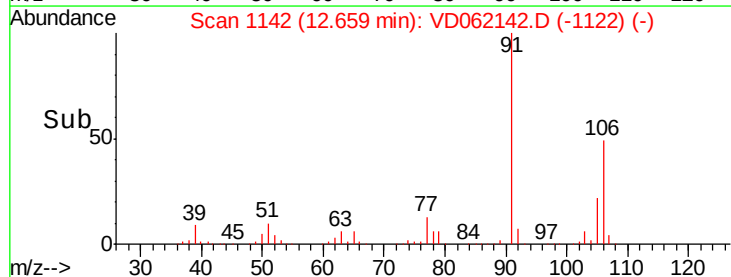
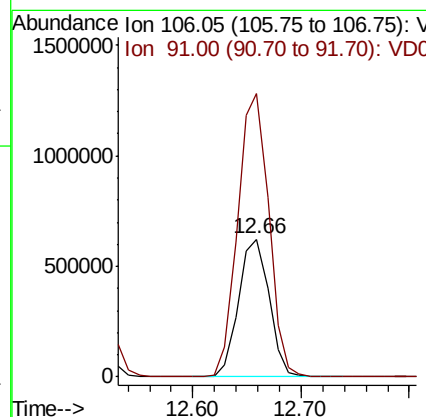
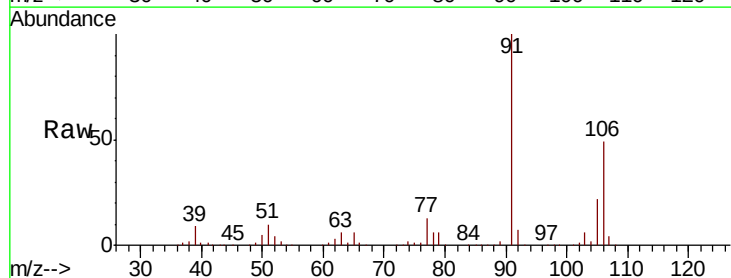
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

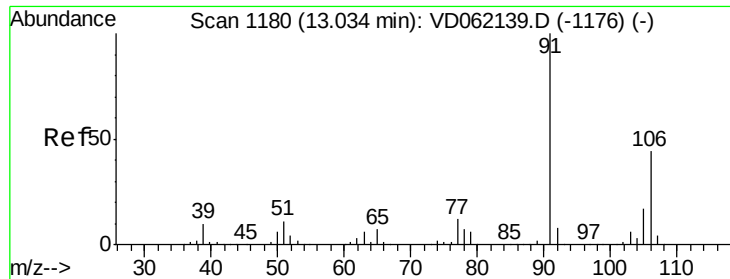
Tot Ion: 91 Resp: 1427952
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 104.496 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 106 Resp: 1231266
Ion Ratio Lower Upper
106 100
91 205.3 164.0 246.0

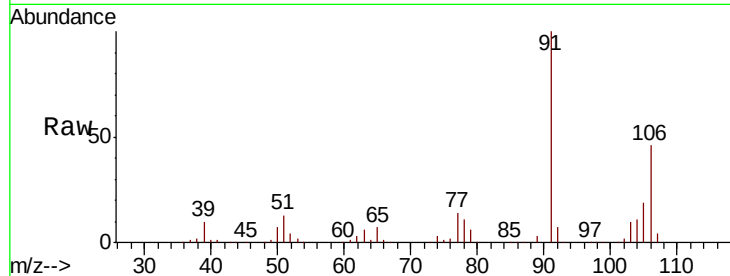




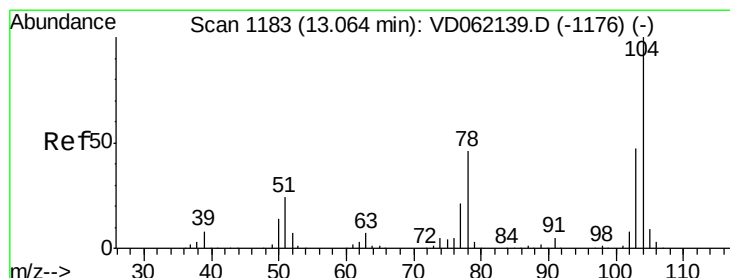
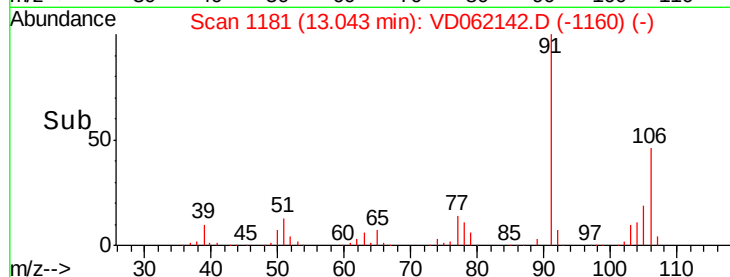
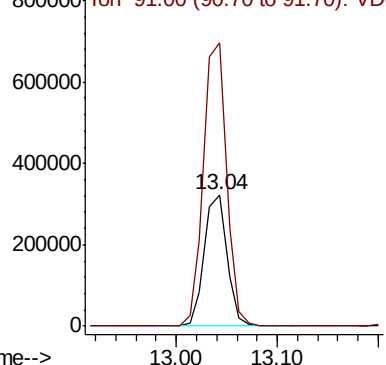
#69
o-Xylene
Concen: 46.269 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

Tot Ion:106 Resp: 506855
Ion Ratio Lower Upper
106 100
91 215.5 106.7 319.9

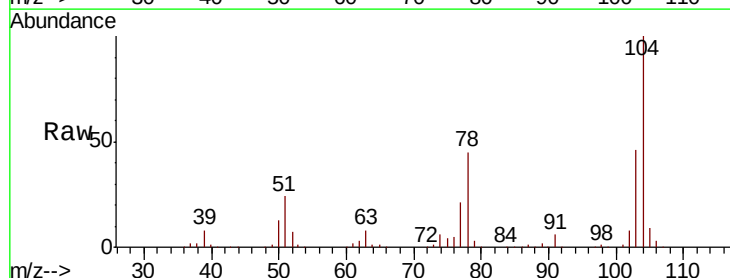


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

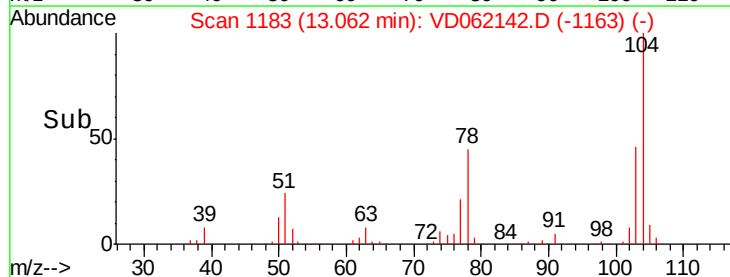
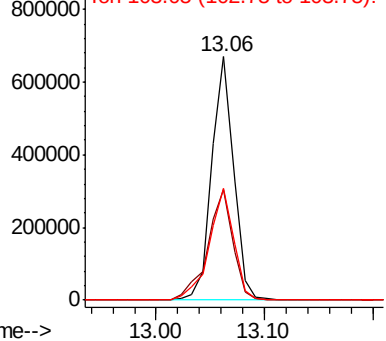


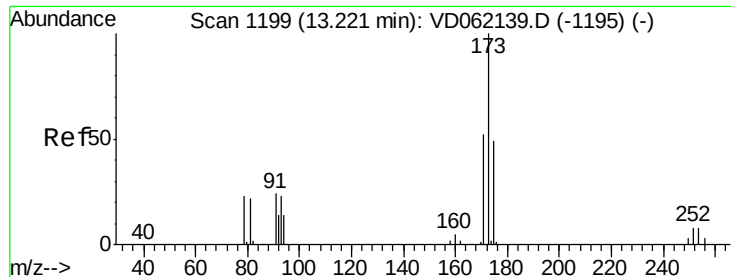
#70
Styrene
Concen: 50.732 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:104 Resp: 941441
Ion Ratio Lower Upper
104 100
78 45.1 35.4 53.2
103 46.0 37.5 56.3



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

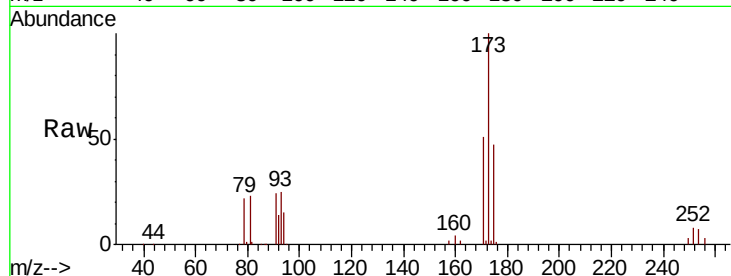




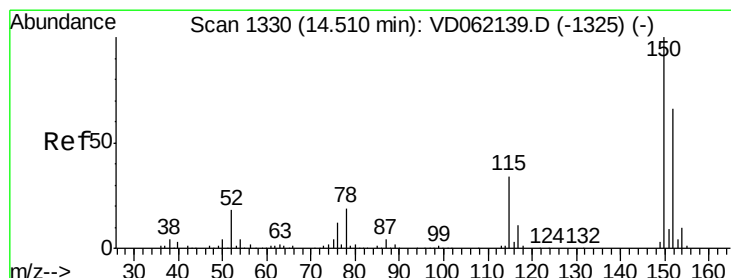
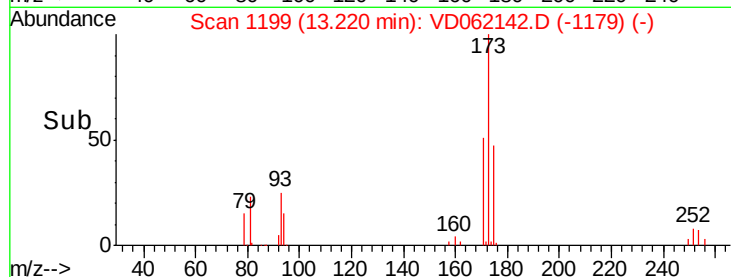
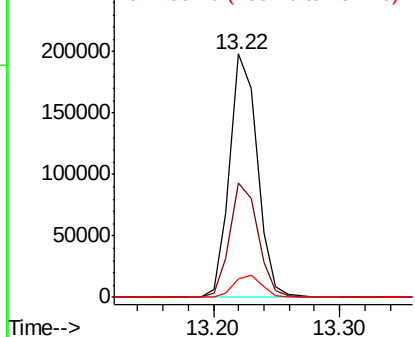
#71
Bromoform
Concen: 51.240 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

Tot Ion:173 Resp: 300143
Ion Ratio Lower Upper
173 100
175 47.0 24.4 73.4
254 7.5 5.4 8.2

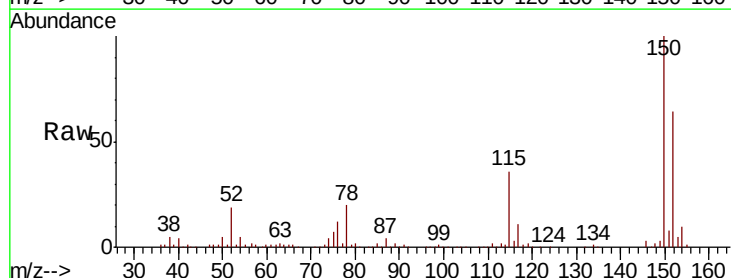


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

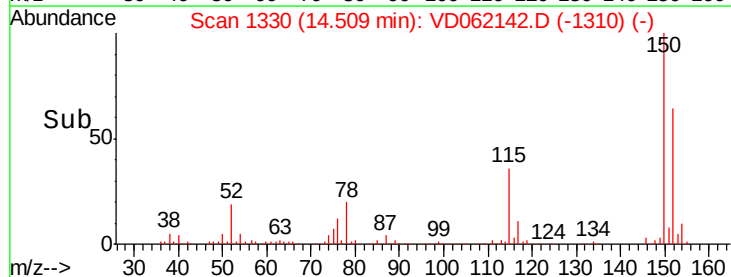
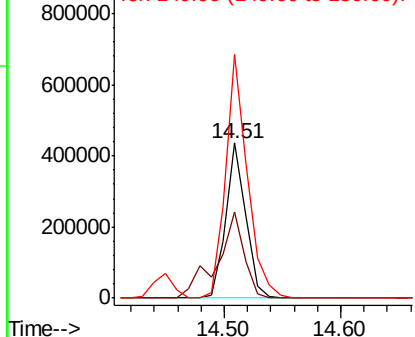


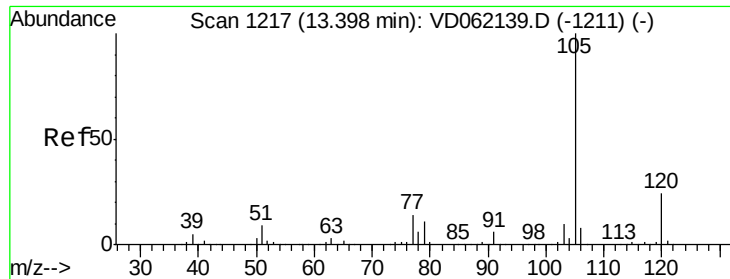
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:152 Resp: 517724
Ion Ratio Lower Upper
152 100
115 55.8 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: 47.898 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

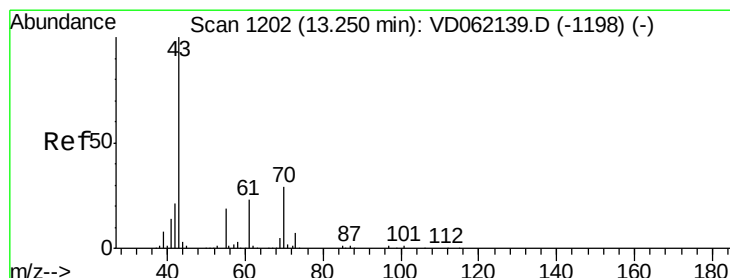
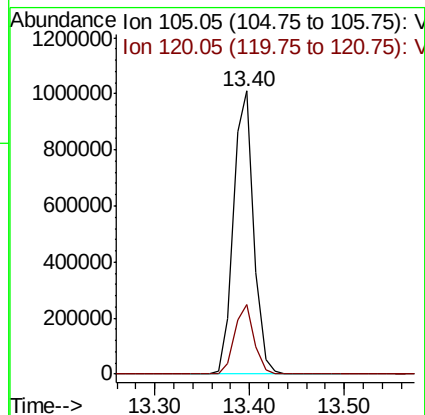
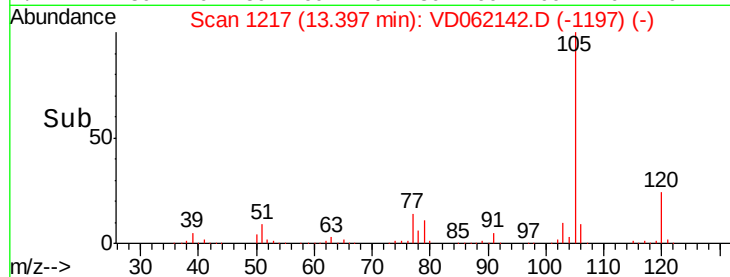
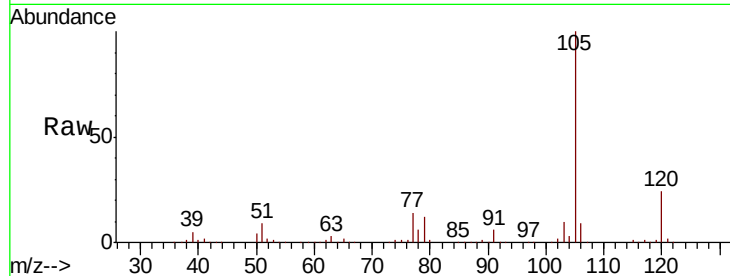
ICVVD050719

Tot Ion:105 Resp: 1486476

Ion Ratio Lower Upper

105 100

120 24.4 12.0 36.1



#74

N-ethyl acetate

Concen: 50.766 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Tgt Ion: 43 Resp: 413054

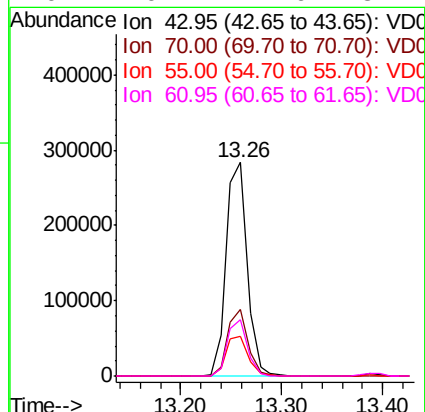
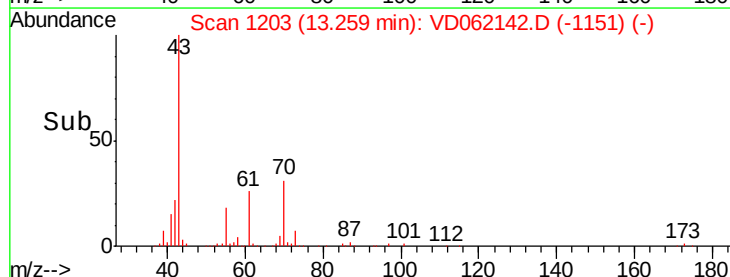
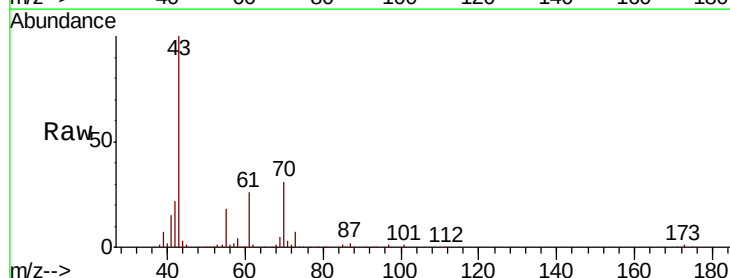
Ion Ratio Lower Upper

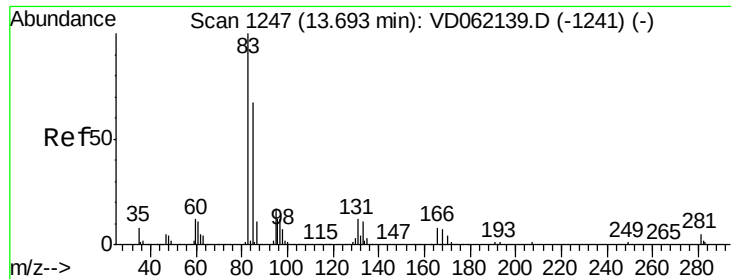
43 100

70 31.4 24.2 36.4

55 18.5 16.0 24.0

61 26.4 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.794 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

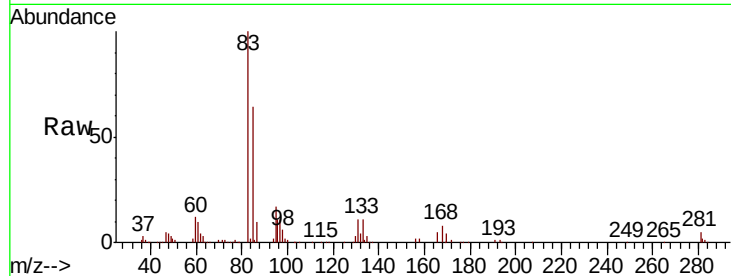
Tot Ion: 83 Resp: 292544

Ion Ratio Lower Upper

83 100

131 10.8 5.0 14.9

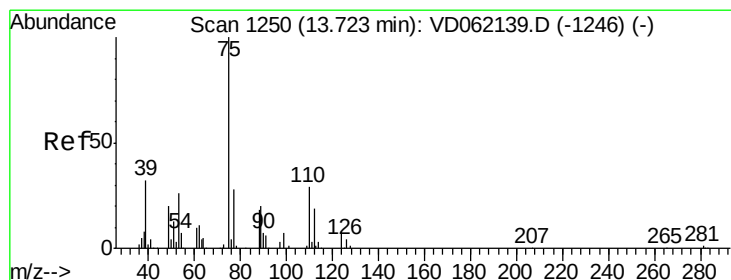
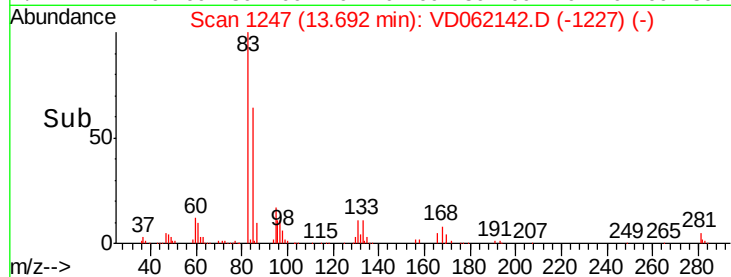
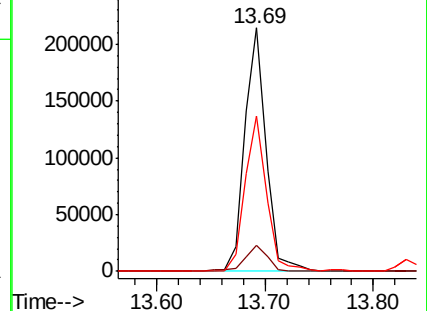
85 63.6 32.6 97.7



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: 53.587 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062142.D

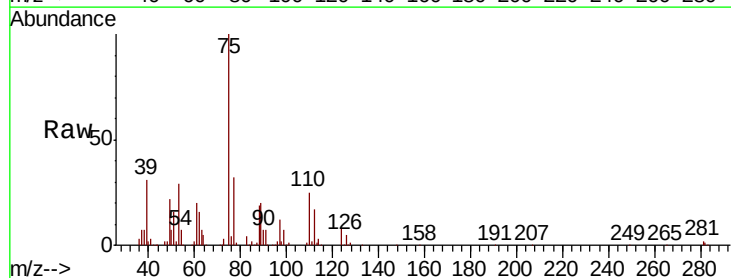
Acq: 7 May 2019 17:06

Tgt Ion: 75 Resp: 329708

Ion Ratio Lower Upper

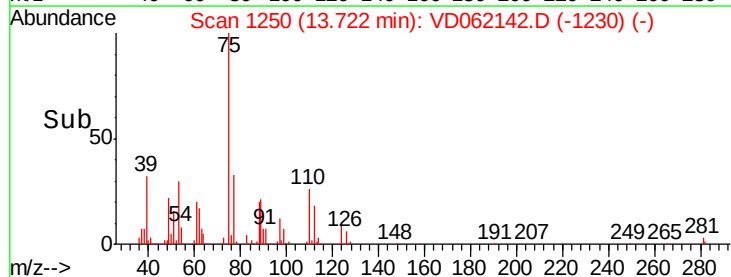
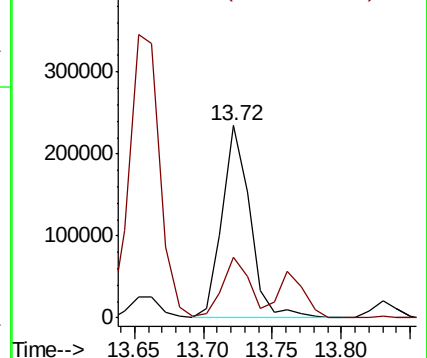
75 100

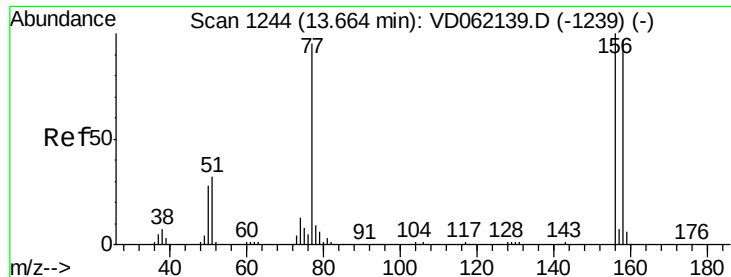
77 31.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.548 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleId :

ICVVD050719

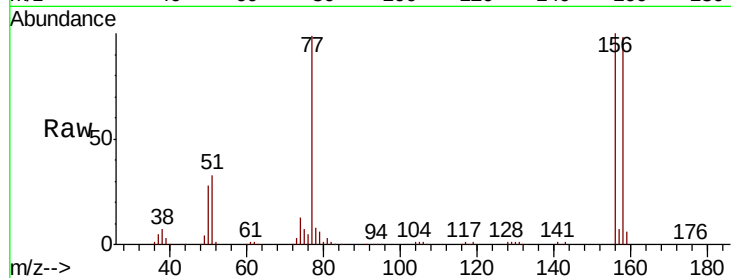
Tot Ion:156 Resp: 465201

Ion Ratio Lower Upper

156 100

77 99.1 53.1 159.4

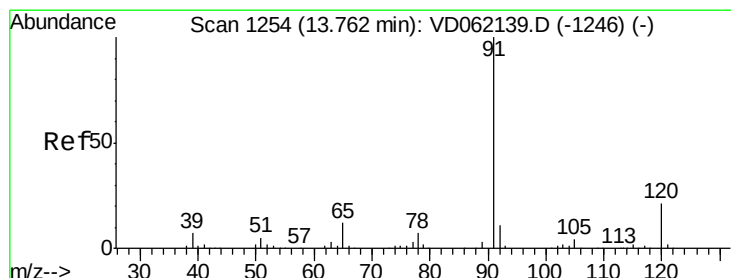
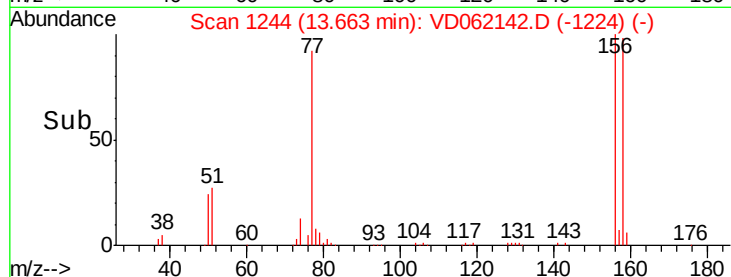
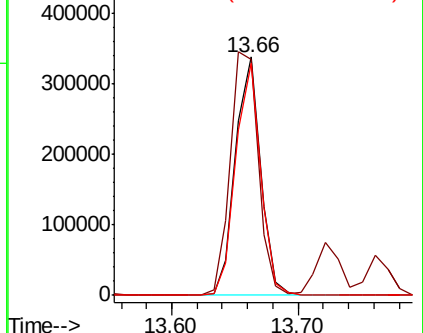
158 97.5 49.4 148.0



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: 48.738 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062142.D

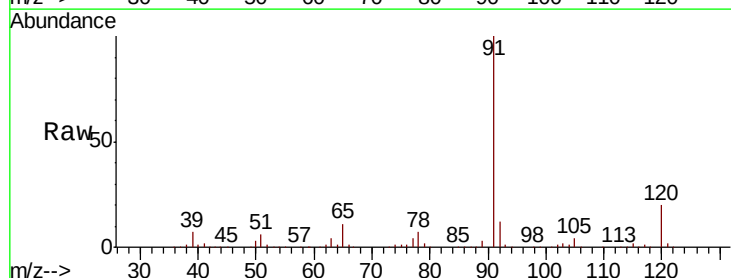
Acq: 7 May 2019 17:06

Tgt Ion: 91 Resp: 1804271

Ion Ratio Lower Upper

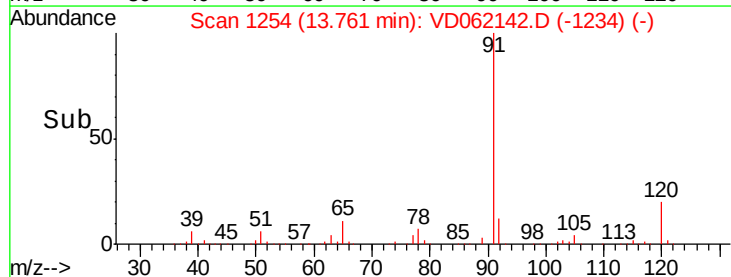
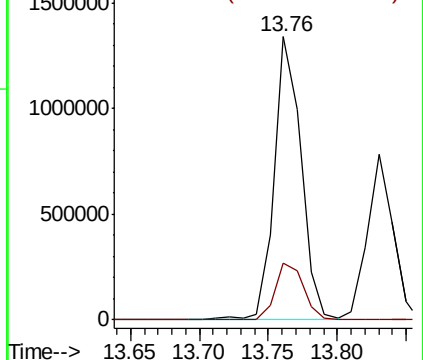
91 100

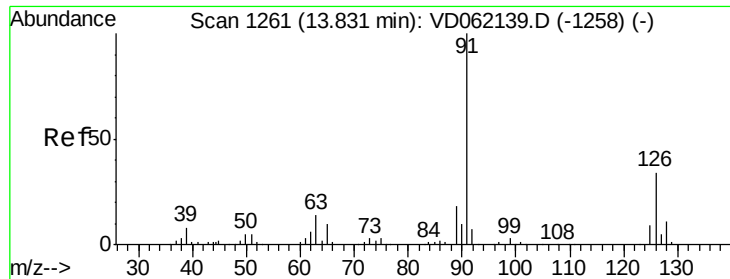
120 20.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

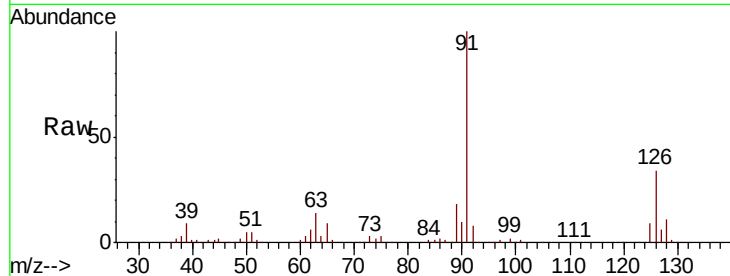




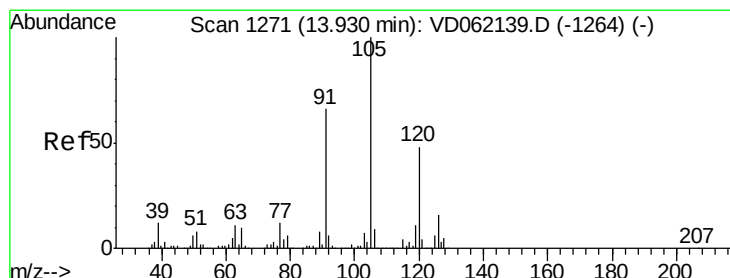
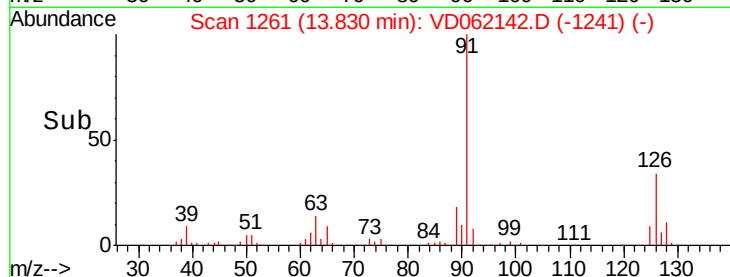
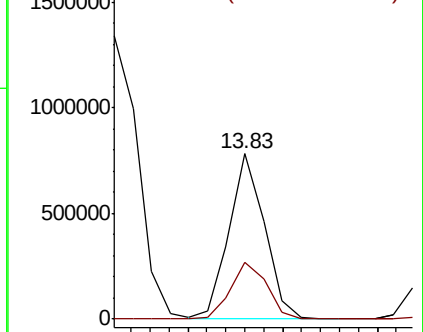
#79
 2-Chlorotoluene
 Concen: 47.804 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Tot Ion: 91 Resp: 1013545
 Ion Ratio Lower Upper
 91 100
 126 34.1 18.6 55.8

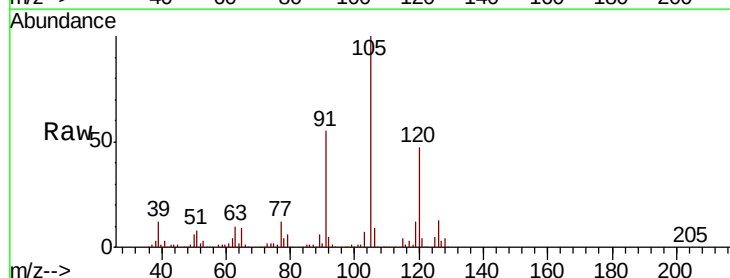


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

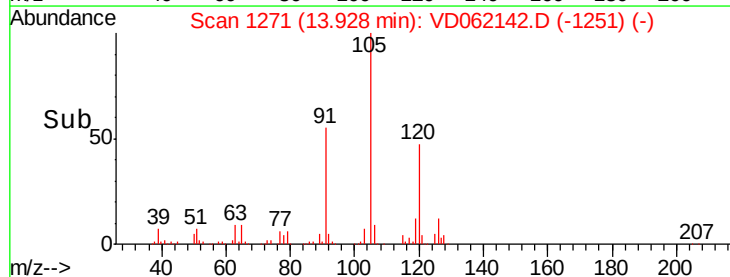
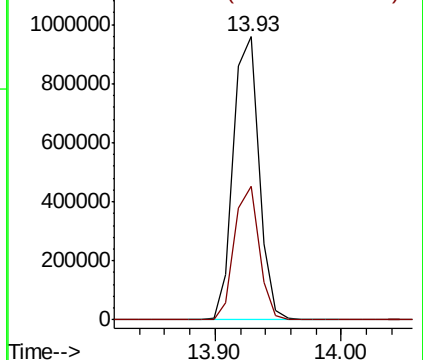


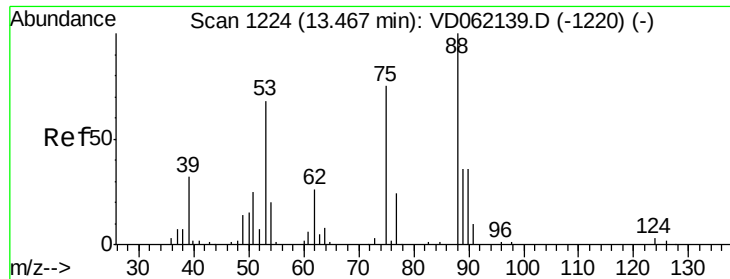
#80
 1,3,5-Trimethylbenzene
 Concen: 51.162 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 105 Resp: 1337024
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.0 72.0



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

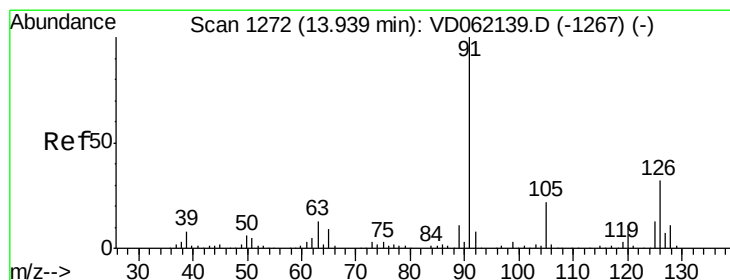
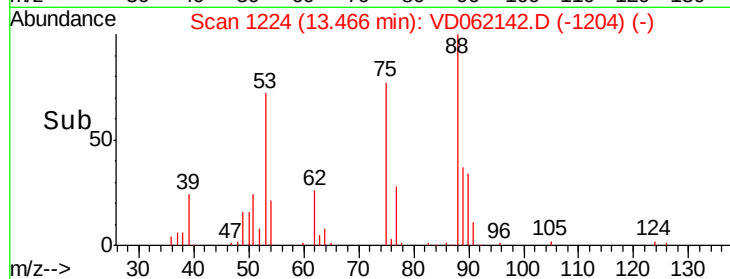
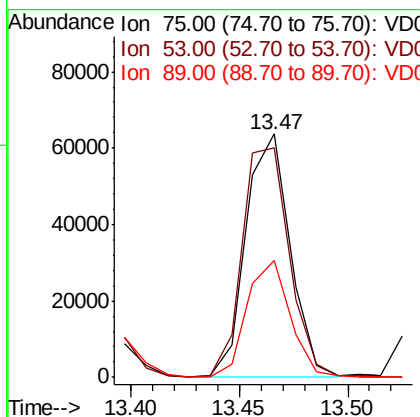
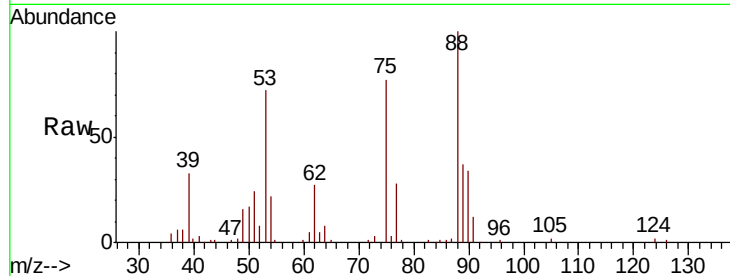




#81
trans-1,4-Dichloro-2-butene
Concen: 51.979 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

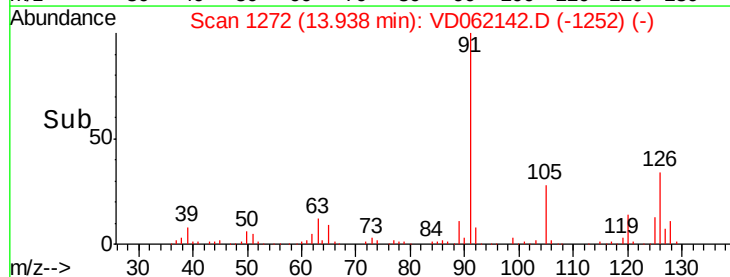
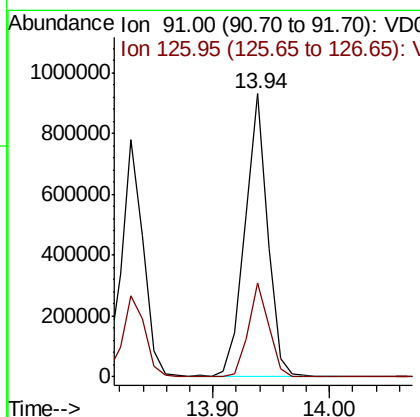
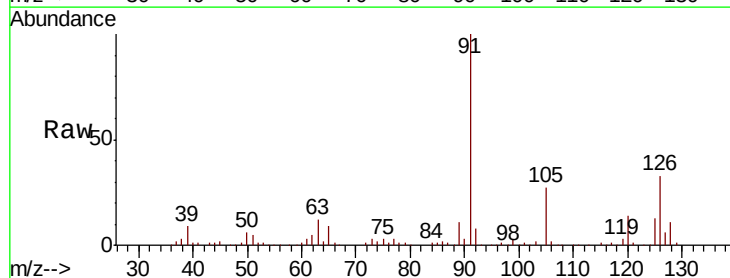
Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

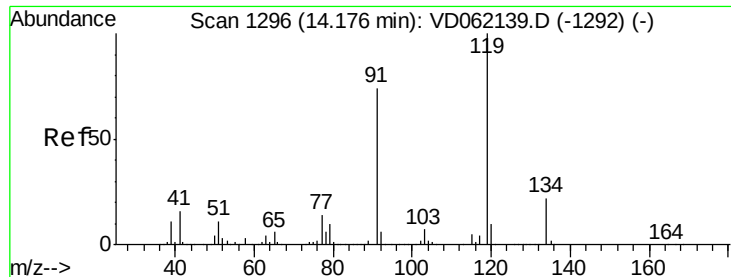
Tot Ion: 75 Resp: 90285
Ion Ratio Lower Upper
75 100
53 94.1 65.8 98.8
89 48.0 35.0 52.6



#82
4-Chlorotoluene
Concen: 49.999 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 91 Resp: 1247442
Ion Ratio Lower Upper
91 100
126 33.1 19.1 57.5

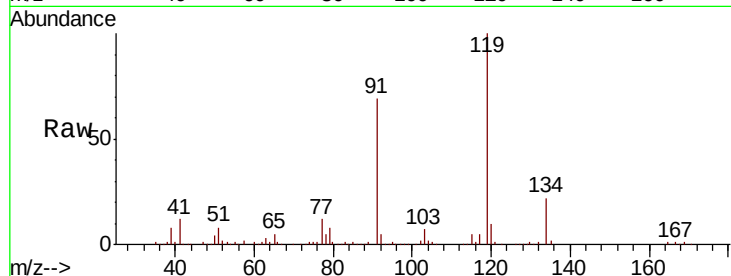




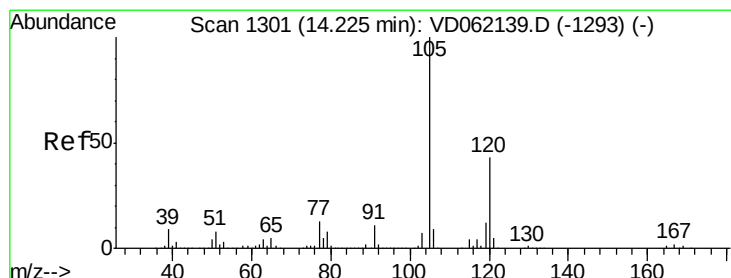
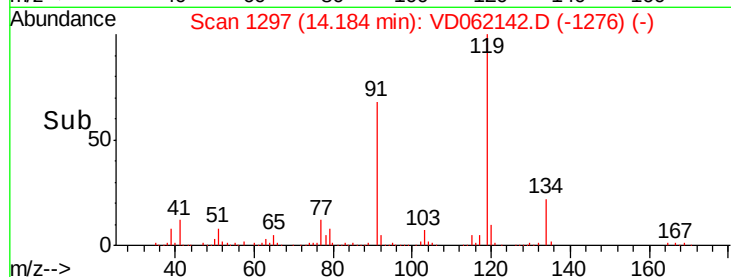
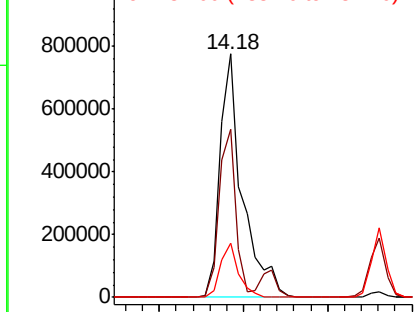
#83
tert-Butylbenzene
Concen: 48.859 ug/l
RT: 14.18 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

Tot Ion:119 Resp: 1435145
Ion Ratio Lower Upper
119 100
91 69.0 34.2 102.6
134 22.3 12.0 36.0

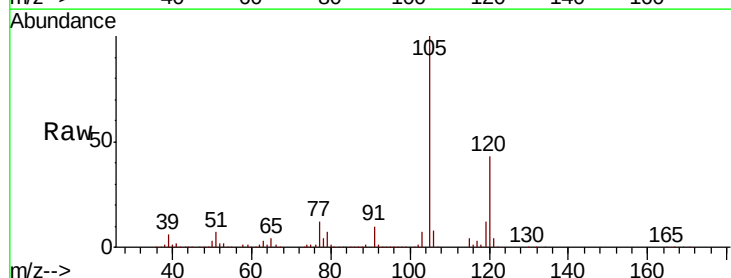


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

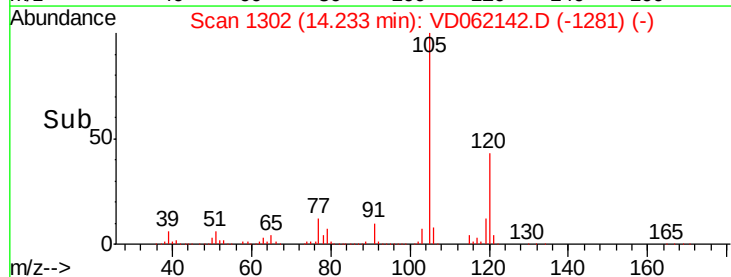
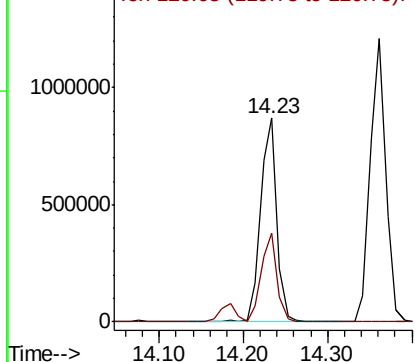


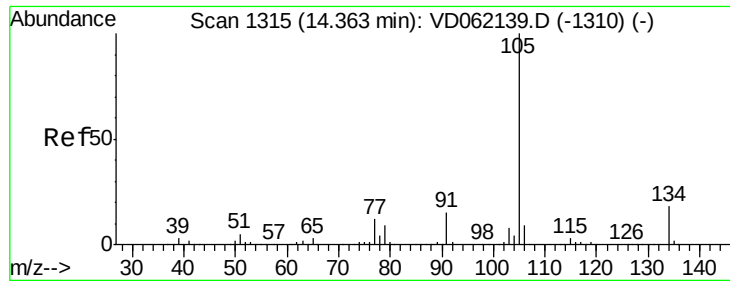
#84
1,2,4-Trimethylbenzene
Concen: 45.293 ug/l
RT: 14.23 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:105 Resp: 1187784
Ion Ratio Lower Upper
105 100
120 43.4 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: 47.999 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

Instrument :

MSVOA_D

ClientSampleID :

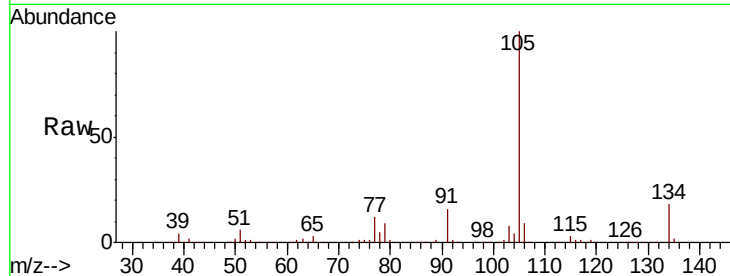
ICVVD050719

Tot Ion:105 Resp: 1545814

Ion Ratio Lower Upper

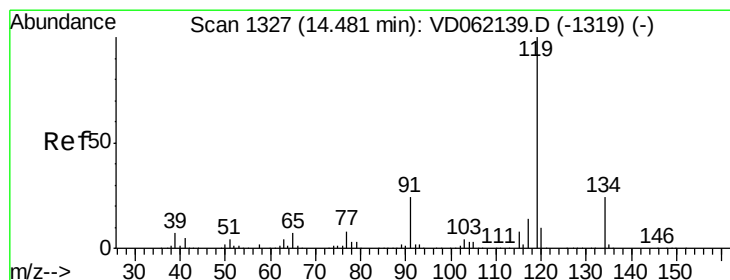
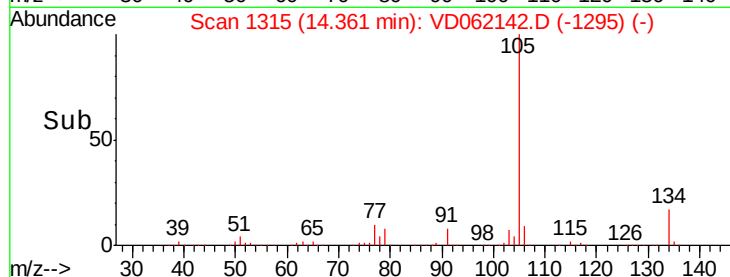
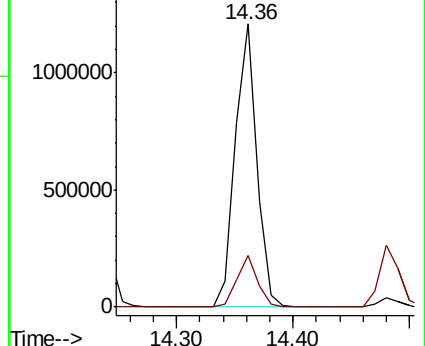
105 100

134 18.3 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: 47.591 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062142.D

Acq: 7 May 2019 17:06

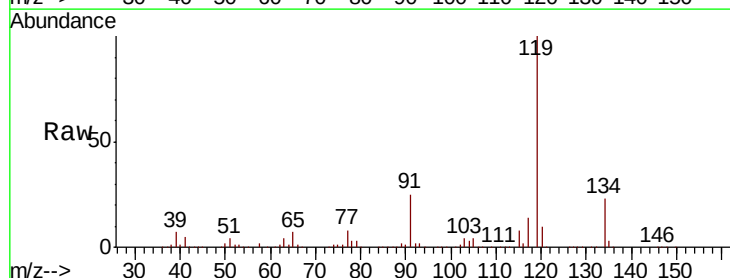
Tgt Ion:119 Resp: 1369371

Ion Ratio Lower Upper

119 100

134 23.3 12.8 38.3

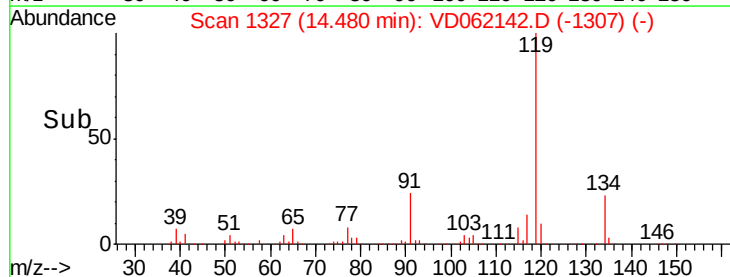
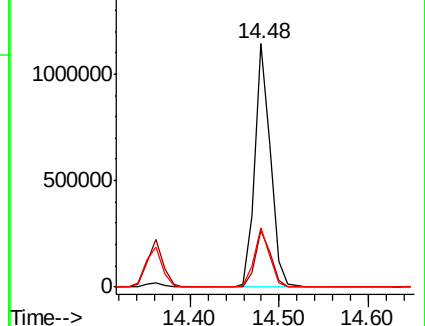
91 24.5 10.7 32.1

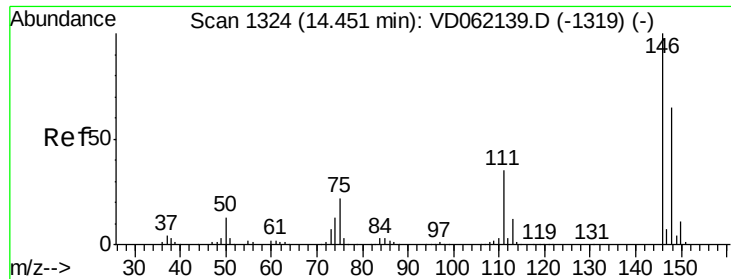


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

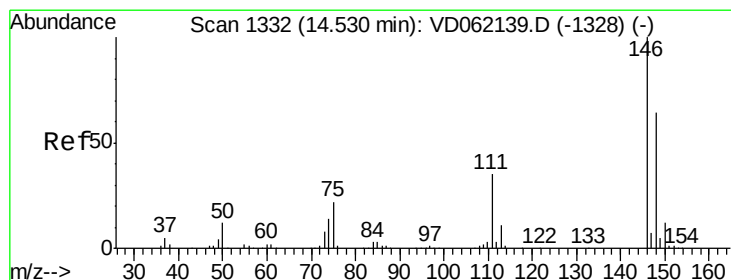
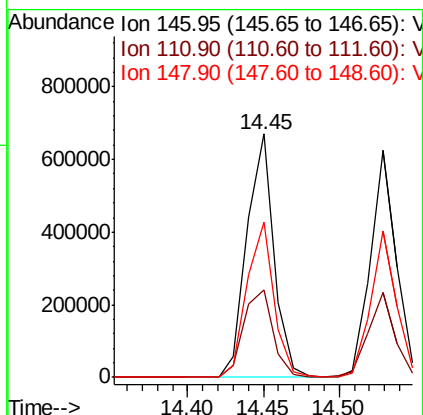
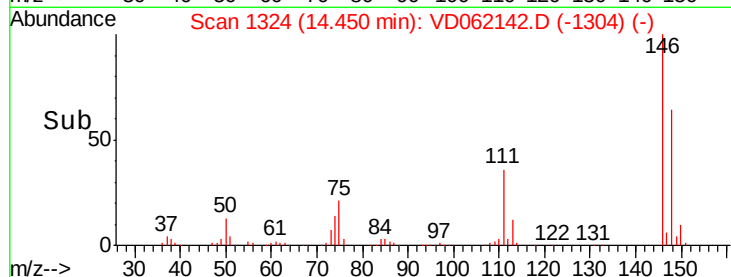
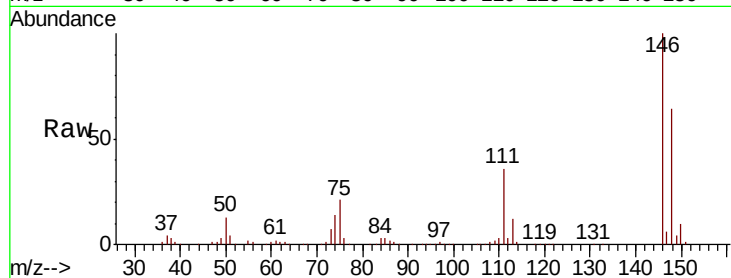




#87
 1,3-Dichlorobenzene
 Concen: 52.576 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

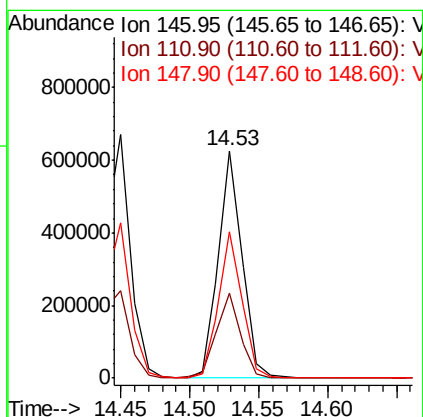
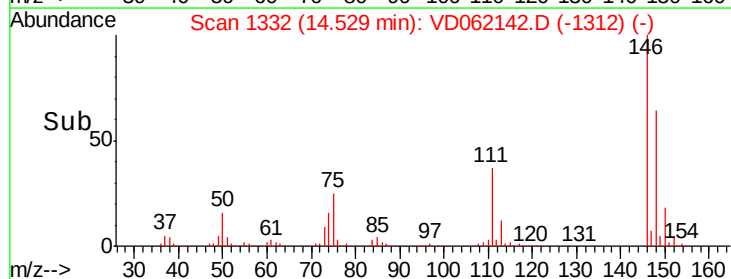
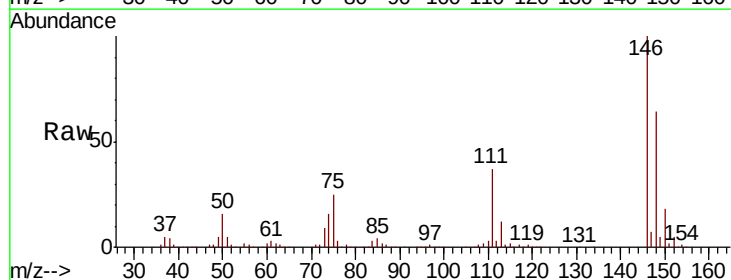
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

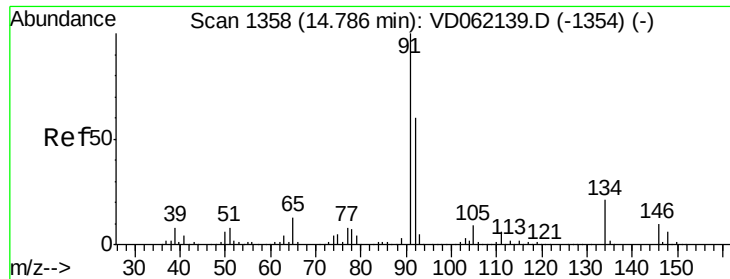
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	20.0	60.0
148	63.6	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.671 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	64.3	32.0	96.2

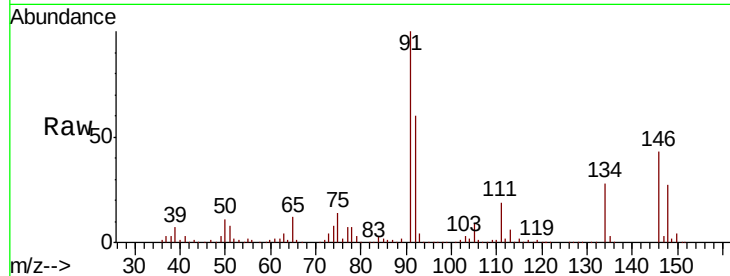




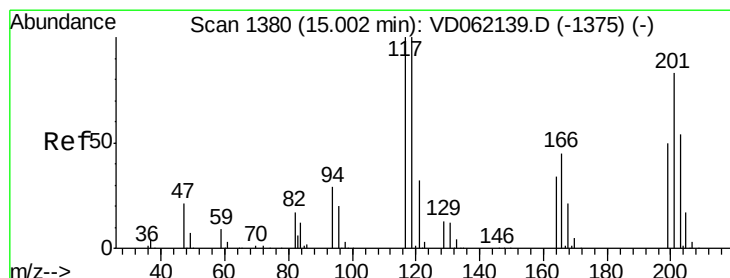
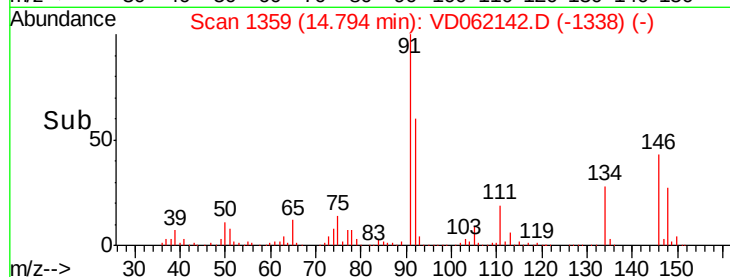
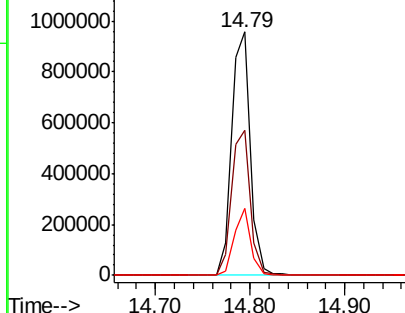
#89
n-Butylbenzene
Concen: 50.523 ug/l
RT: 14.79 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

Tot Ion: 91 Resp: 1304836
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 27.6 14.5 43.6

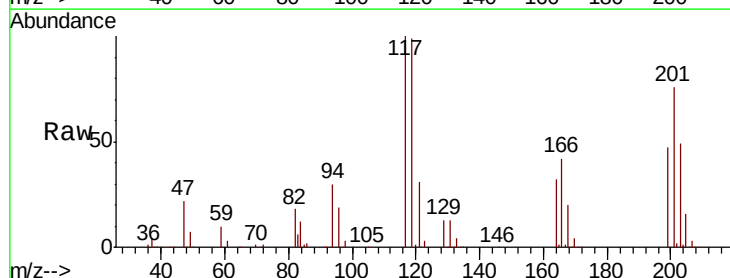


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

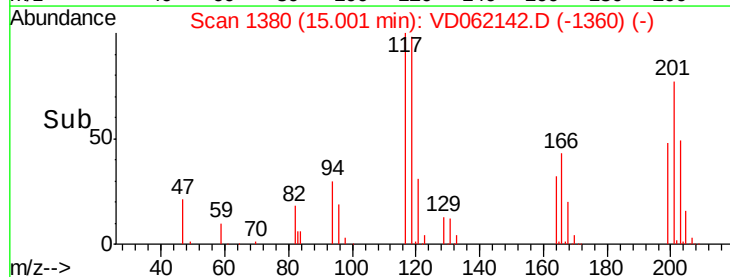
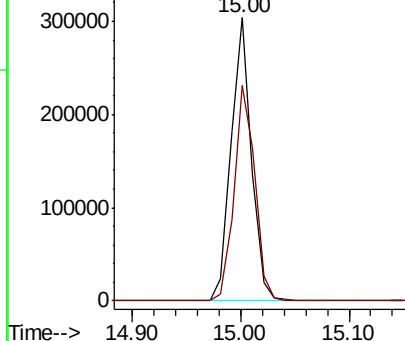


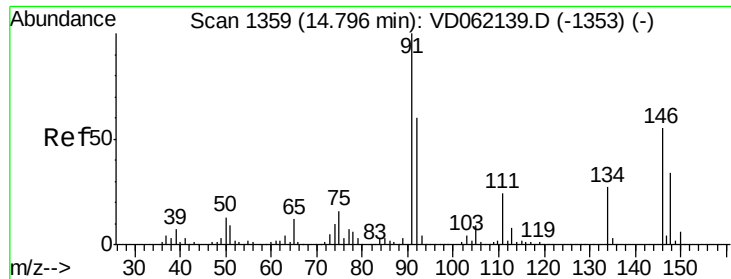
#90
Hexachloroethane
Concen: 50.845 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion: 117 Resp: 397859
Ion Ratio Lower Upper
117 100
201 76.1 30.2 90.6



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

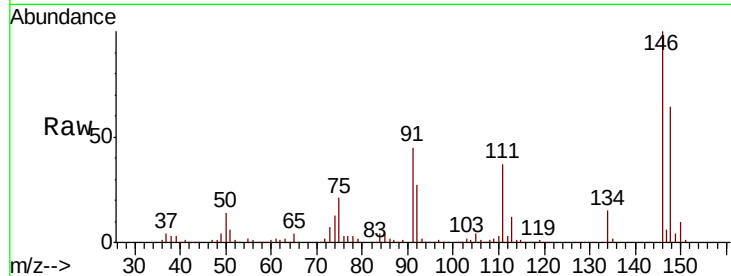




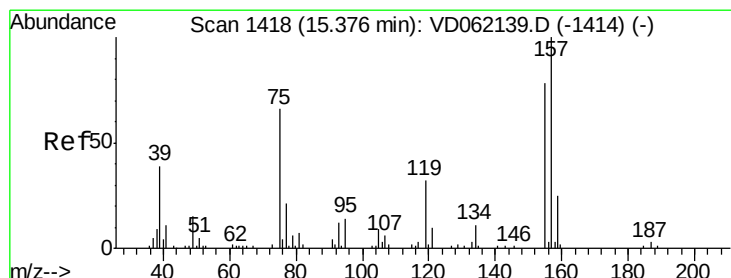
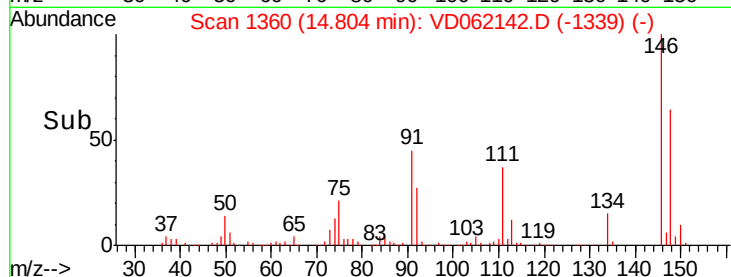
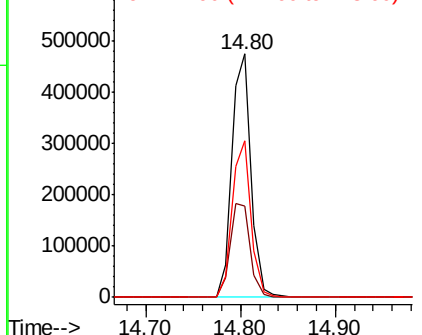
#91
 1,2-Dichlorobenzene
 Concen: 51.017 ug/l
 RT: 14.80 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Tot Ion:146 Resp: 666794
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 59.9
 148 64.1 32.3 96.8

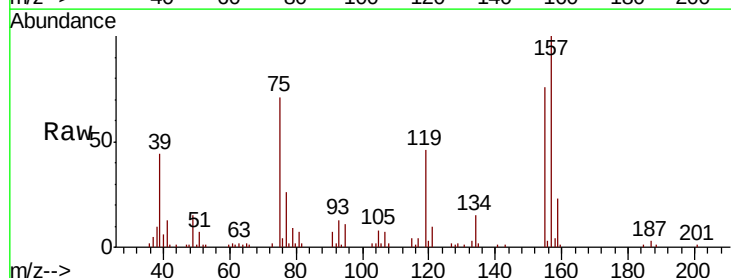


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

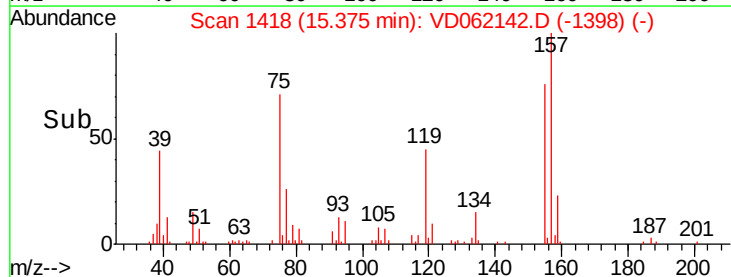
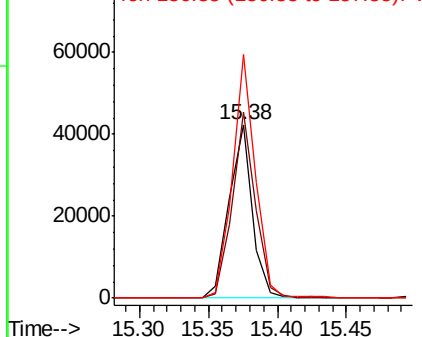


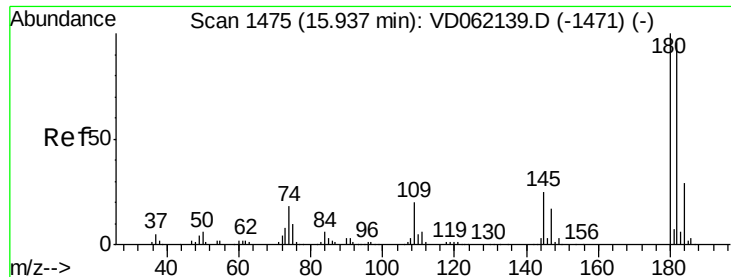
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.047 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion: 75 Resp: 49230
 Ion Ratio Lower Upper
 75 100
 155 107.3 55.3 165.8
 157 140.5 67.8 203.2



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

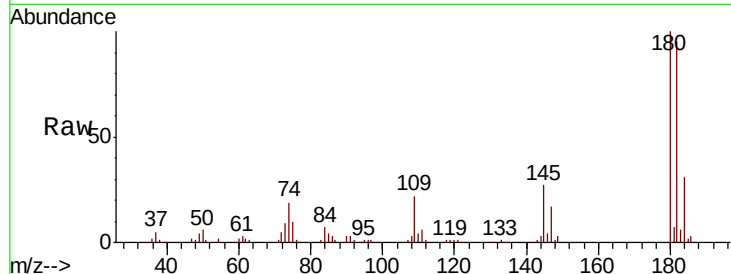




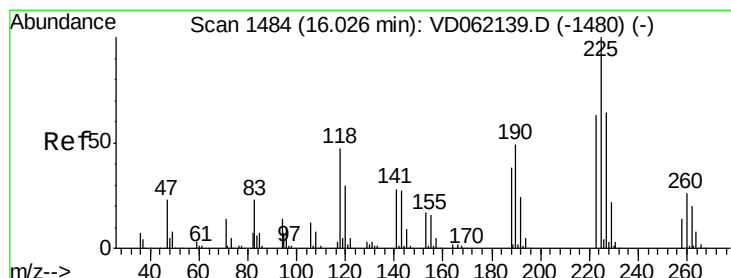
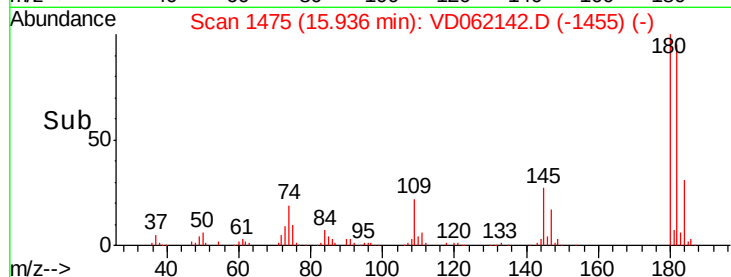
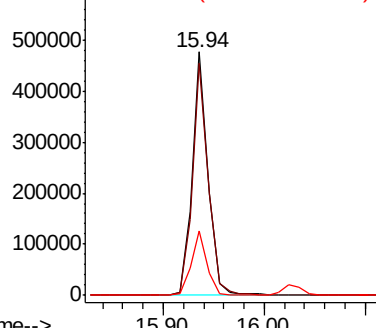
#93
 1,2,4-Trichlorobenzene
 Concen: 55.456 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050719

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	49.3	147.8
145	26.5	16.2	48.6

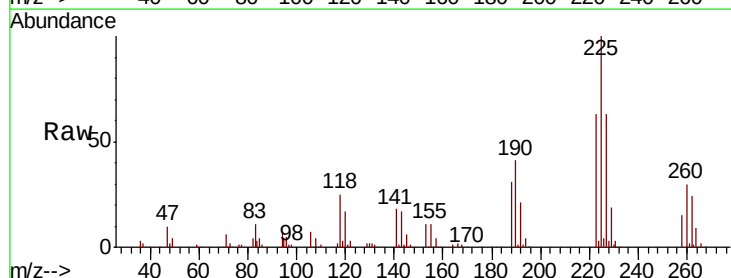


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

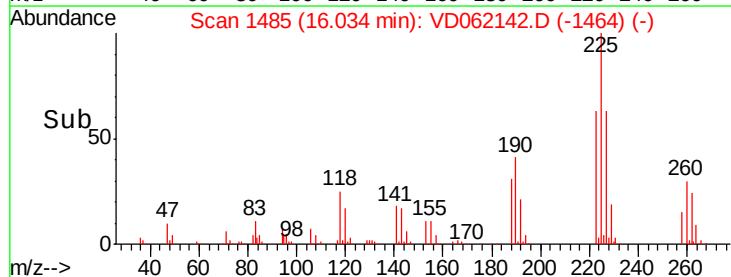
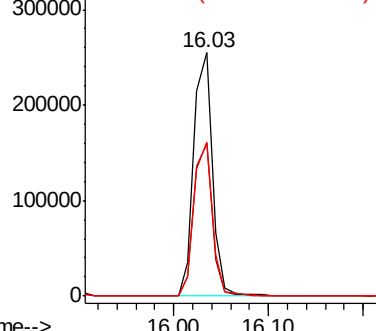


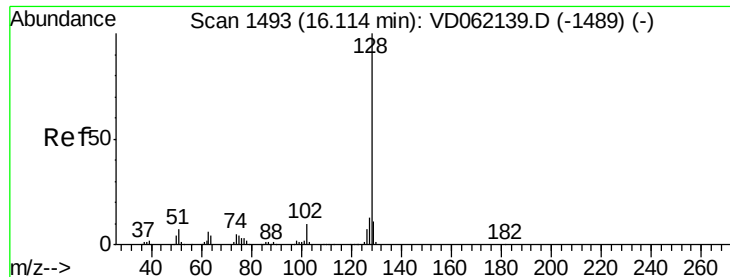
#94
 Hexachlorobutadiene
 Concen: 49.488 ug/l
 RT: 16.03 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062142.D
 Acq: 7 May 2019 17:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.6	92.0
227	63.2	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

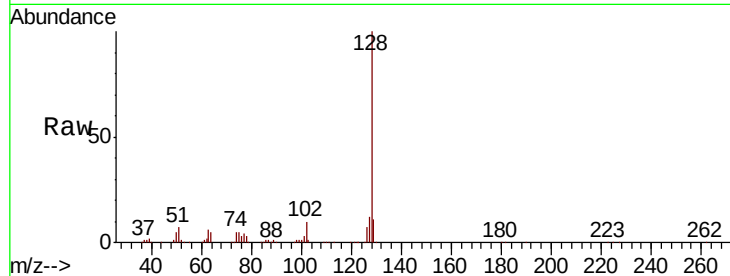




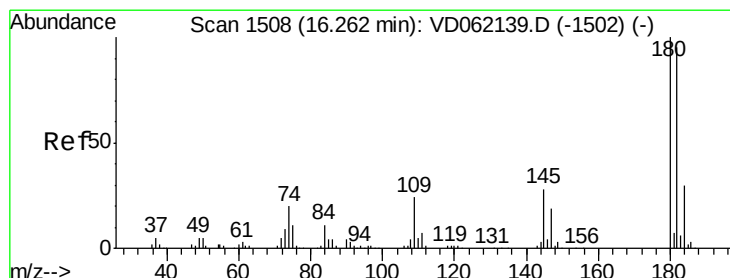
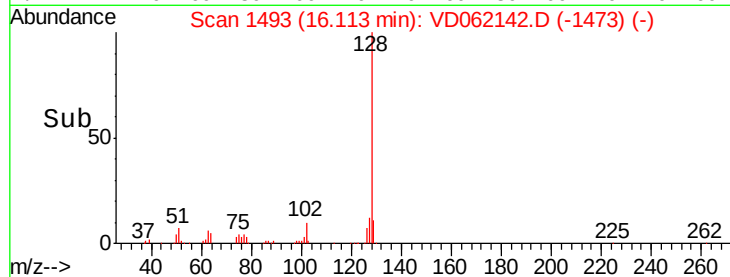
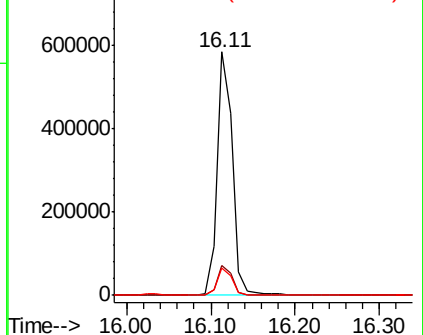
#95
Naphthalene
Concen: 54.753 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Instrument :
MSVOA_D
ClientSampleId :
ICVVD050719

Tot Ion:128 Resp: 727193
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.3 8.8 13.2

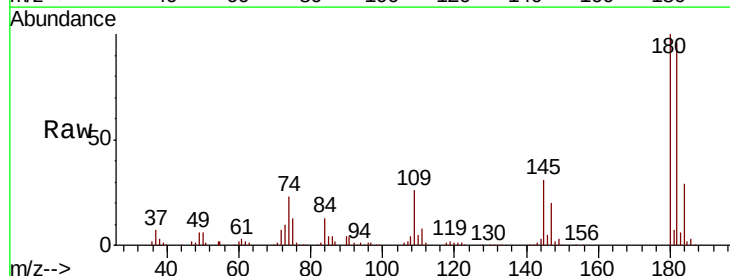


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 65.057 ug/l
RT: 16.26 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062142.D
Acq: 7 May 2019 17:06

Tgt Ion:180 Resp: 389127
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.0
145 31.5 17.0 51.0



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

