

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072221.D
 Acq On : 16 Mar 2022 16:34
 Operator : VA/SY
 Sample : N1914-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Mar 16 16:46:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

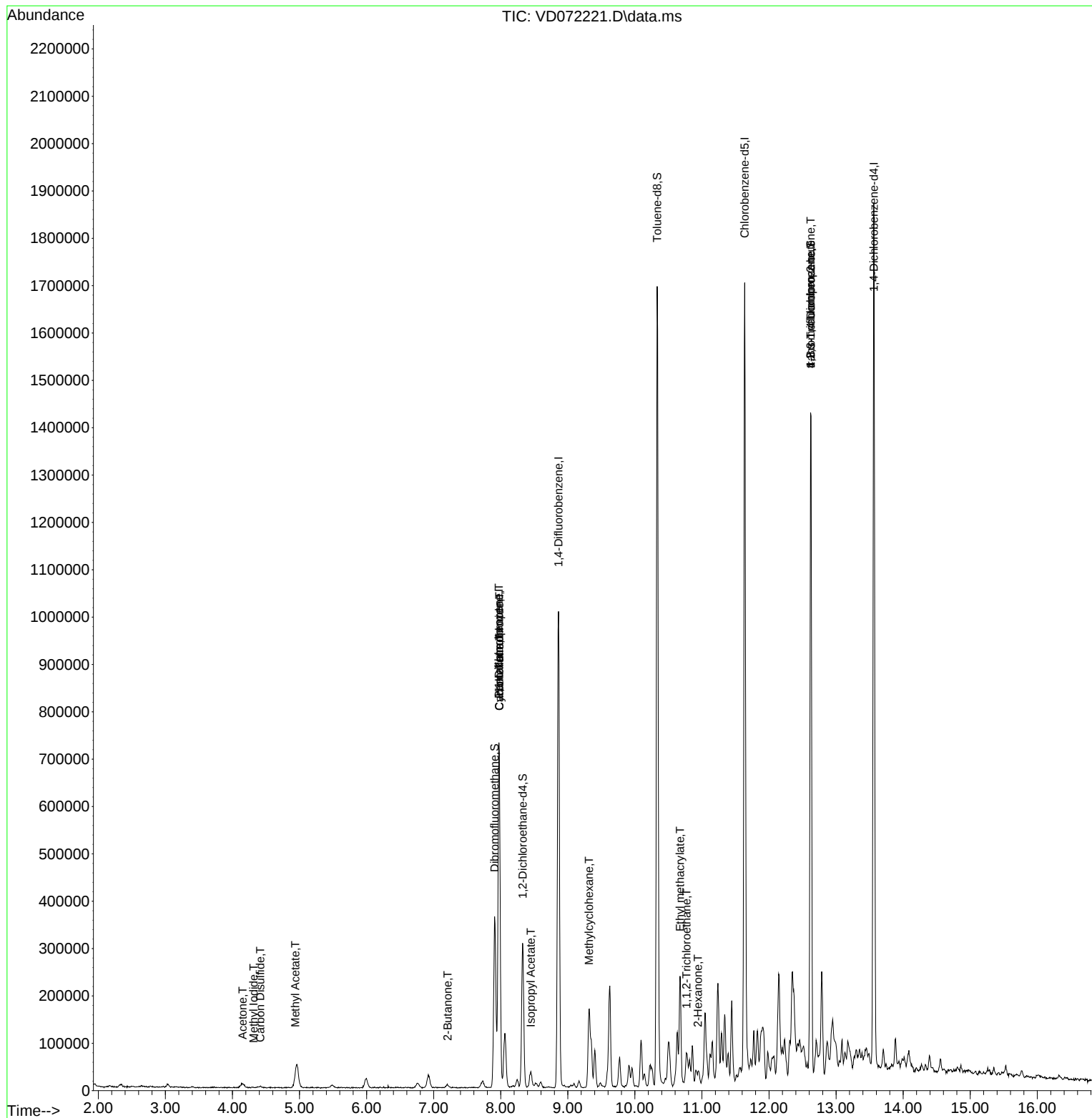
Internal Standards						
1) Pentafluorobenzene	7.973	168	540882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	889145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	958195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	479448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246172	40.839	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.680%
35) Dibromofluoromethane	7.909	113	262403	41.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.880%
50) Toluene-d8	10.332	98	1118638	48.894	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.620	95	472555	53.158	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.320%
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	774	2.360	ug/l #	65
16) Acetone	4.150	43	13957	10.664	ug/l	94
17) Carbon Disulfide	4.415	76	6553	2.049	ug/l	98
18) Methyl Acetate	4.938	43	16649	5.191	ug/l #	55
20) Methylene Chloride	4.962	84	30363	Below Cal		90
25) 2-Butanone	7.209	43	4080	2.338	ug/l #	52
31) Cyclohexane	7.979	56	12659	1.344	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	41686	4.749	ug/l #	51
38) Carbon Tetrachloride	7.979	117	56155	5.628	ug/l #	17
39) Methylcyclohexane	9.314	83	35187	3.562	ug/l #	38
43) Isopropyl Acetate	8.450	43	19561	2.621	ug/l #	54
55) 1,1,2-Trichloroethane	10.767	97	19451	3.780	ug/l #	22
56) Ethyl methacrylate	10.673	69	22292	3.698	ug/l #	28
59) 2-Hexanone	10.938	43	13093	4.836	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	244211	46.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	244211	114.567	ug/l #	7

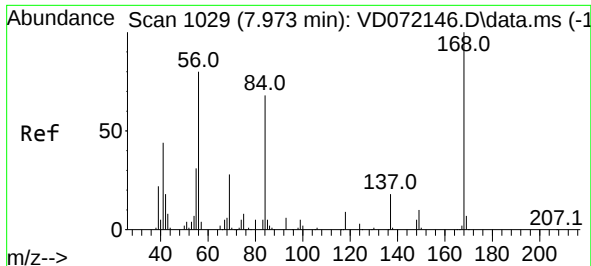
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

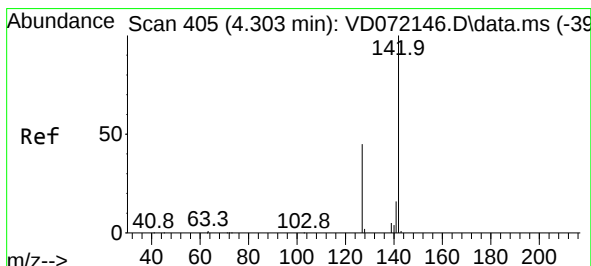
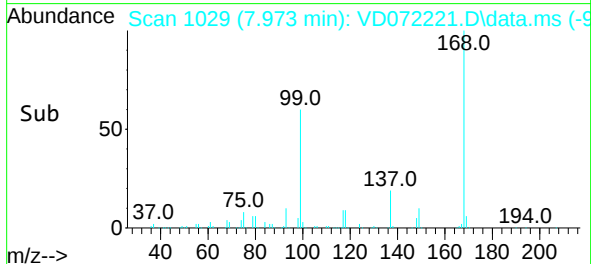
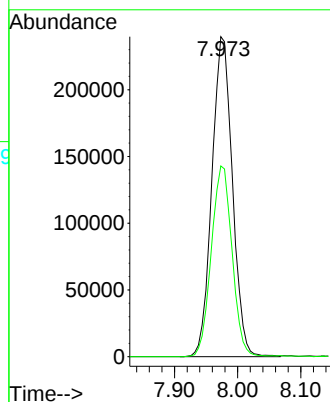
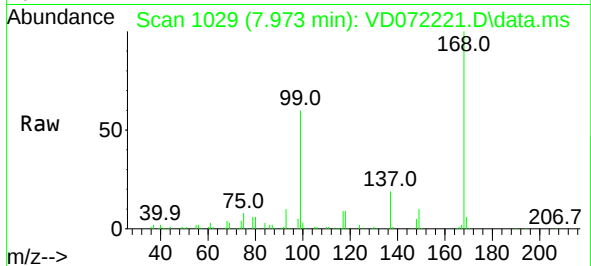




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

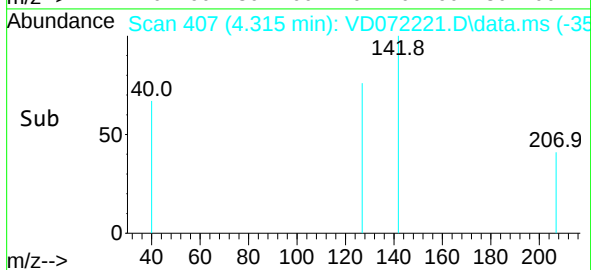
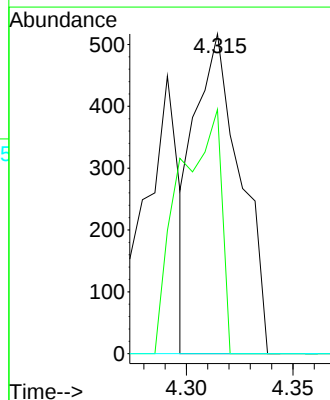
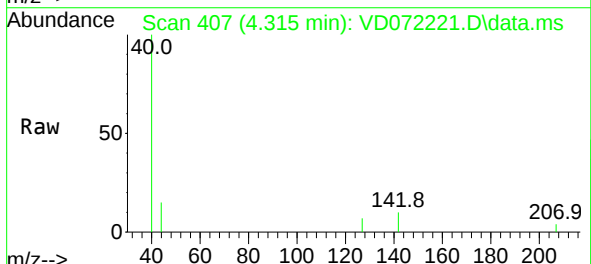
Instrument :
MSVOA_D
ClientSampleId :
TP-1

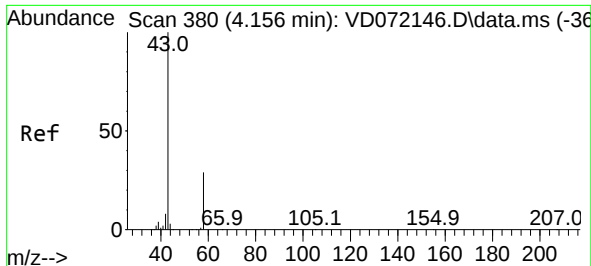
Tgt Ion:168 Resp: 540882
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.360 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion:142 Resp: 774
Ion Ratio Lower Upper
142 100
127 69.8 37.3 55.9#
141 0.0 11.7 17.5#

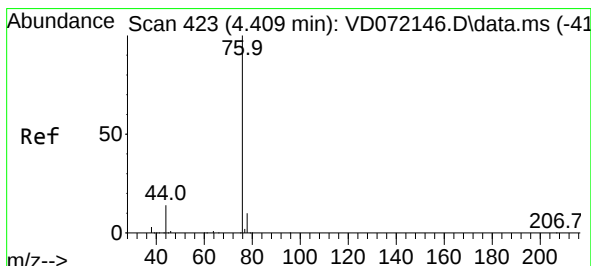
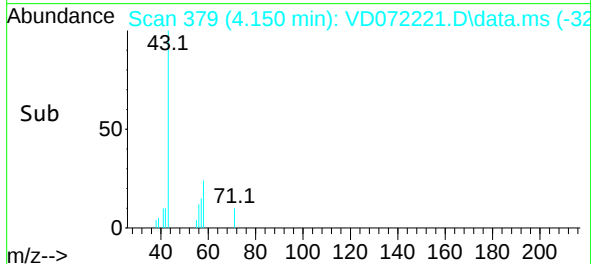
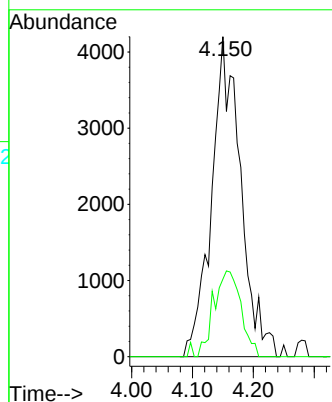
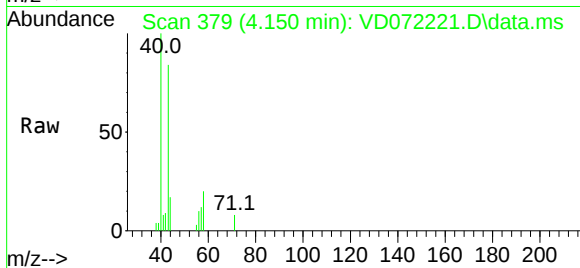




#16
Acetone
Concen: 10.664 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

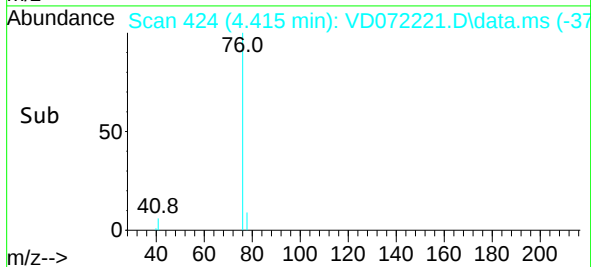
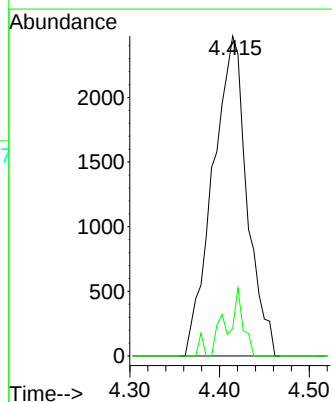
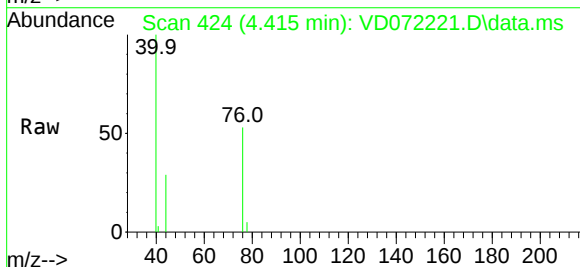
Instrument :
MSVOA_D
ClientSampleId :
TP-1

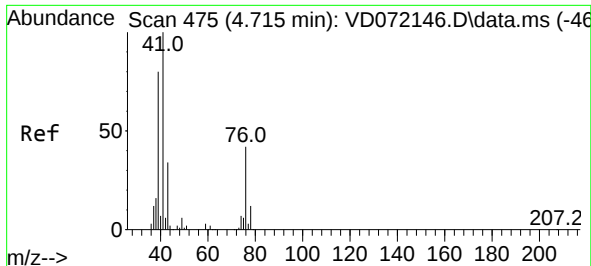
Tgt Ion: 43 Resp: 13957
Ion Ratio Lower Upper
43 100
58 24.2 22.1 33.1



#17
Carbon Disulfide
Concen: 2.049 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 76 Resp: 6553
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3





#18

Methyl Acetate

Concen: 5.191 ug/l

RT: 4.938 min Scan# 513

Delta R.T. 0.224 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

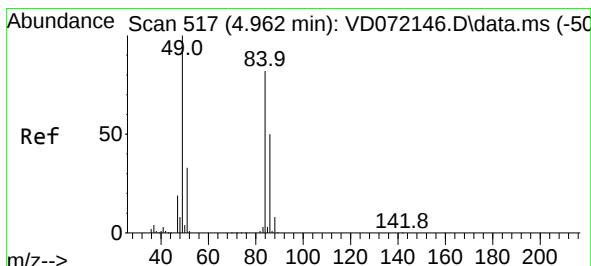
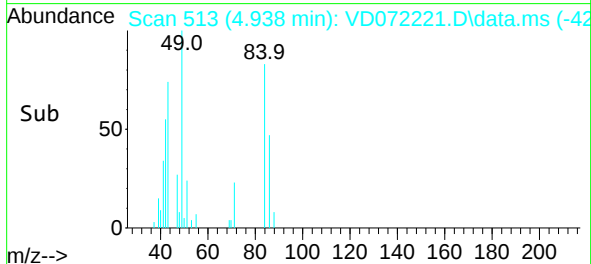
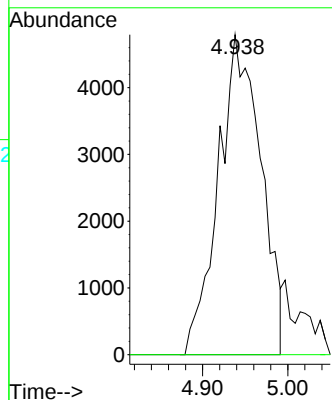
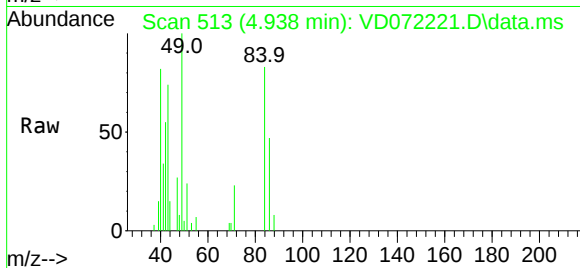
TP-1

Tgt Ion: 43 Resp: 16649

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

Tgt Ion: 84 Resp: 30363

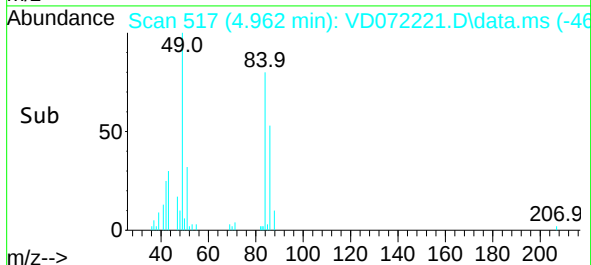
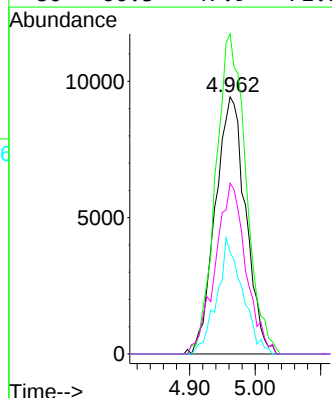
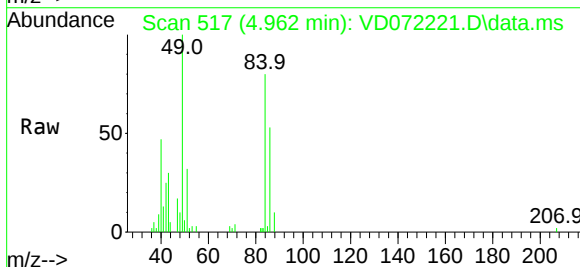
Ion Ratio Lower Upper

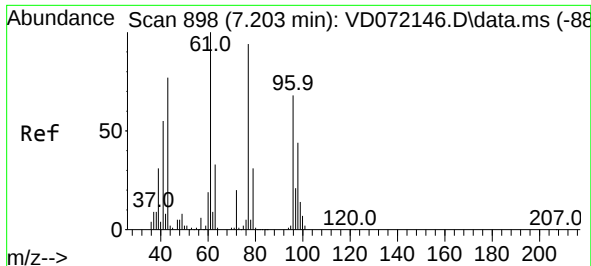
84 100

49 124.4 112.8 169.2

51 39.4 32.6 48.8

86 66.3 47.9 71.9

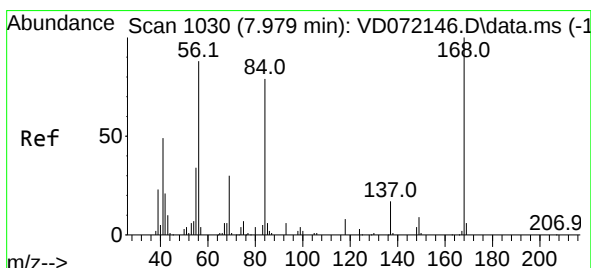
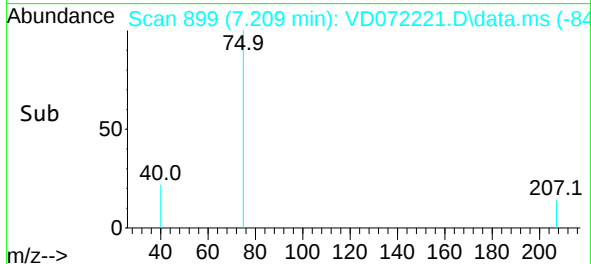
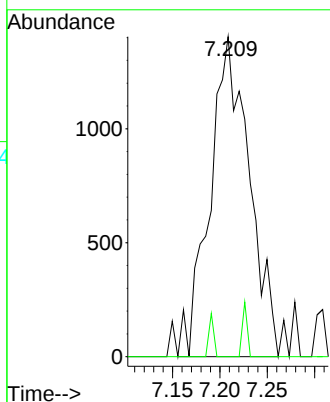
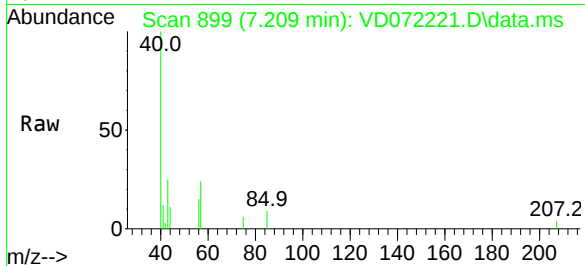




#25
2-Butanone
Concen: 2.338 ug/l
RT: 7.209 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

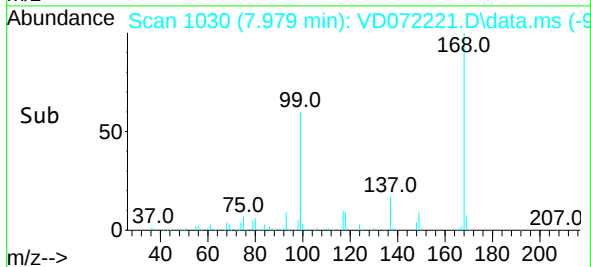
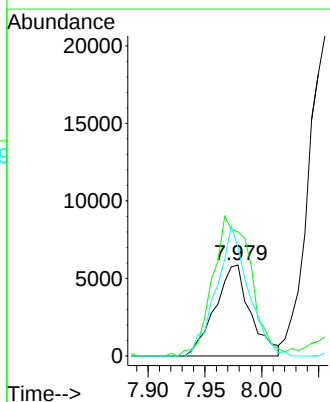
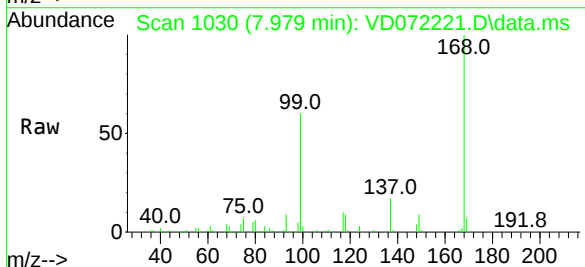
Instrument :
MSVOA_D
ClientSampleId :
TP-1

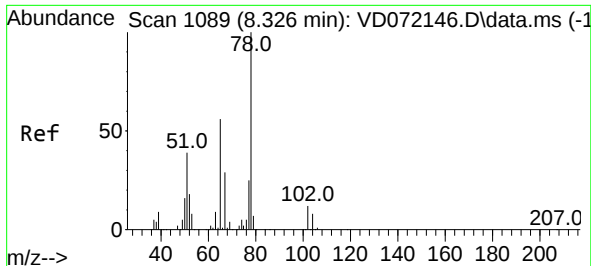
Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 56 Resp: 12659
Ion Ratio Lower Upper
56 100
69 136.6 25.4 38.2#
84 119.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 40.839 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

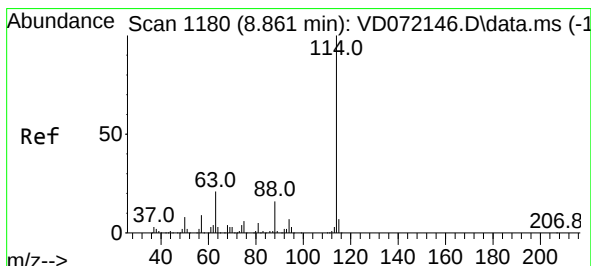
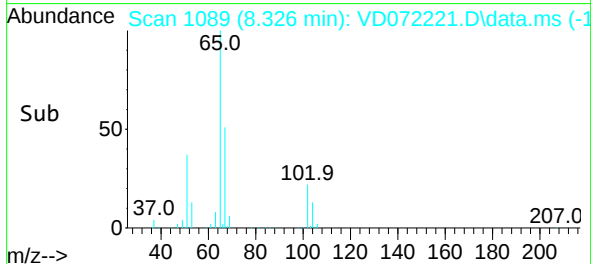
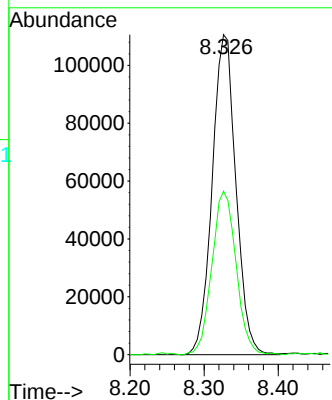
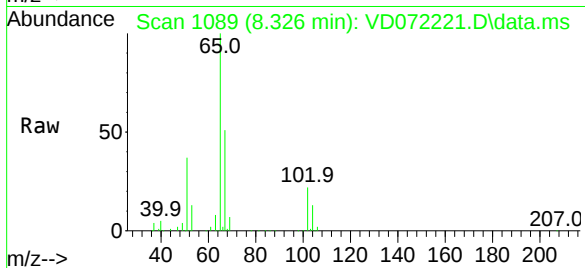
TP-1

Tgt Ion: 65 Resp: 246172

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

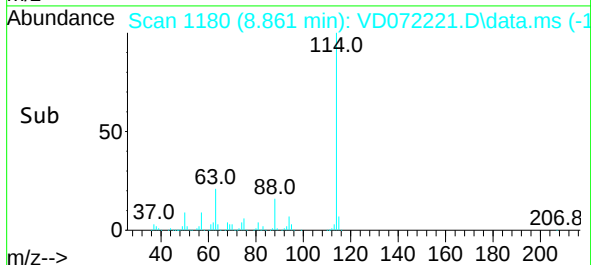
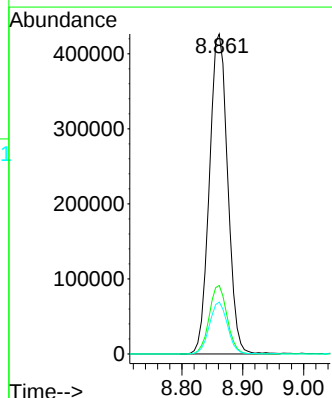
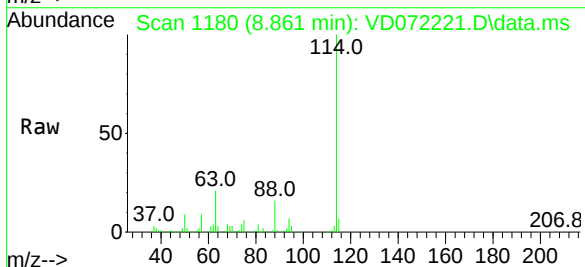
Tgt Ion: 114 Resp: 889145

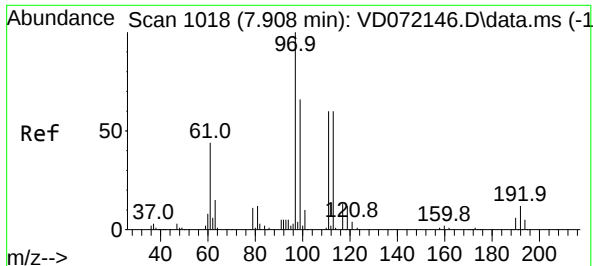
Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.938 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

Instrument :

MSVOA_D

ClientSampleId :

TP-1

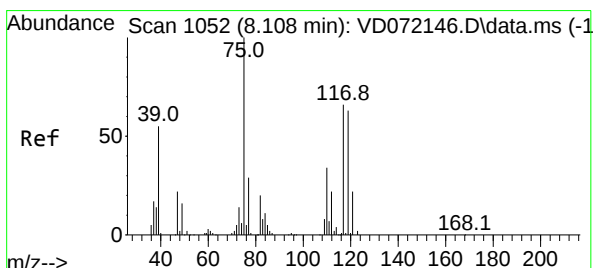
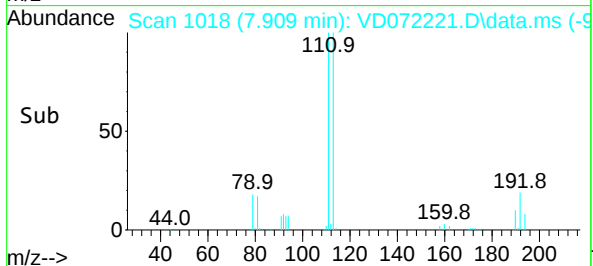
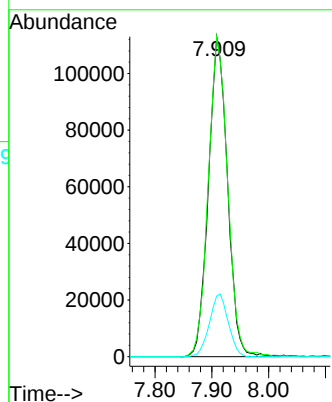
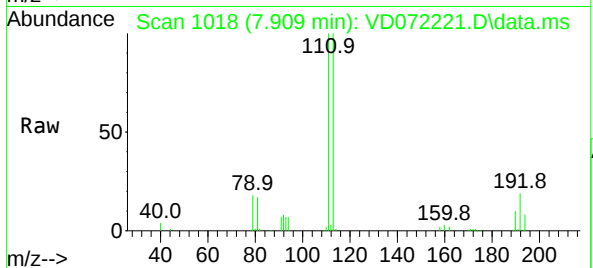
Tgt Ion:113 Resp: 262403

Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.749 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072221.D

Acq: 16 Mar 2022 16:34

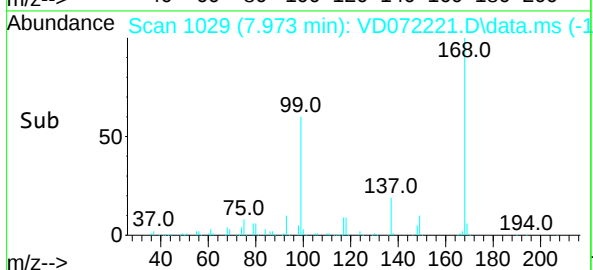
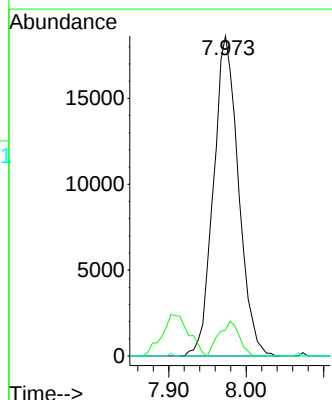
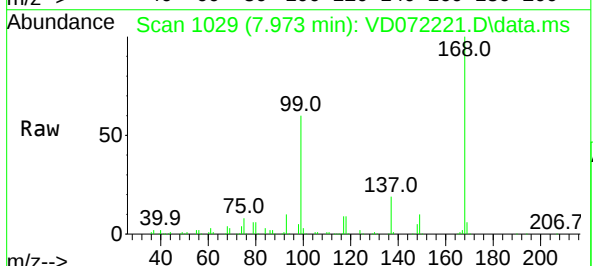
Tgt Ion: 75 Resp: 41686

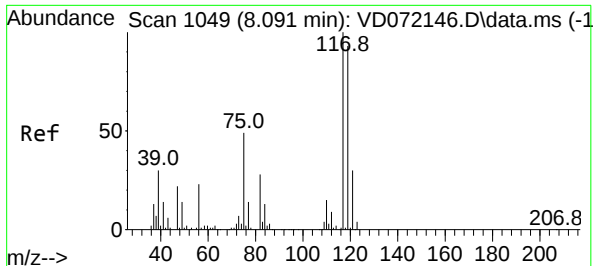
Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 24.2 36.2#

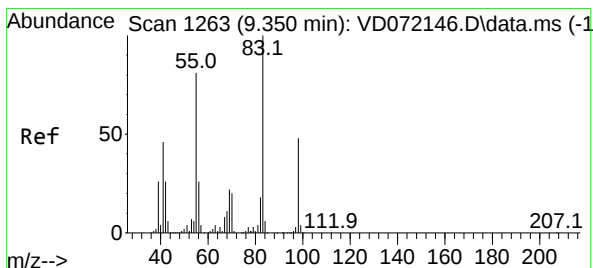
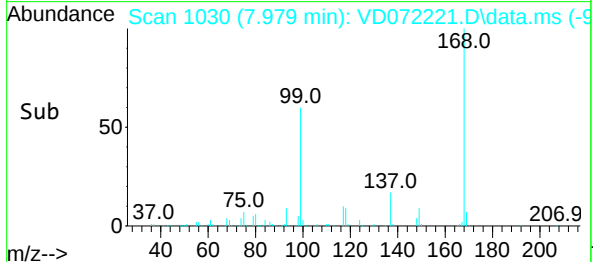
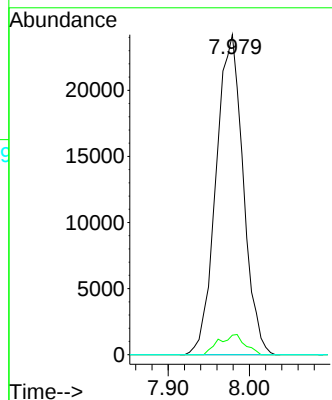
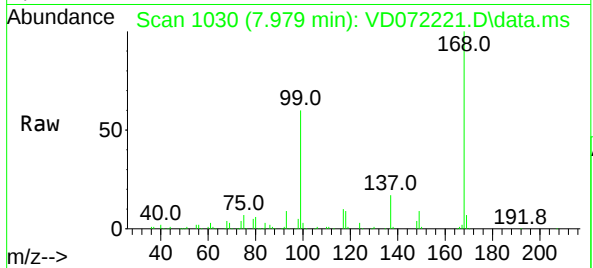




#38
Carbon Tetrachloride
Concen: 5.628 ug/l
RT: 7.979 min Scan# 117
Delta R.T. -0.112 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

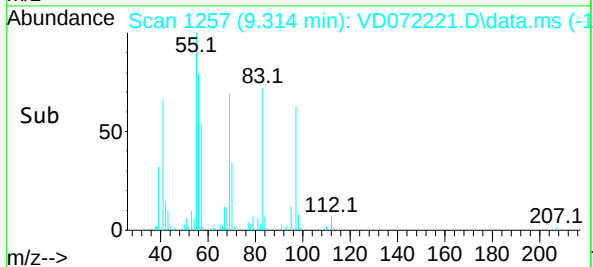
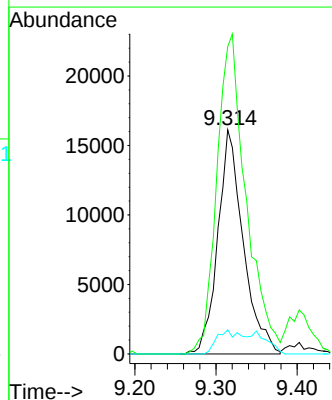
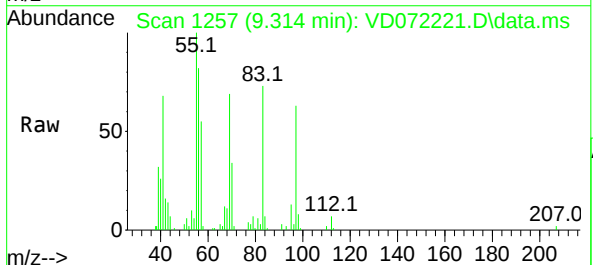
Instrument :
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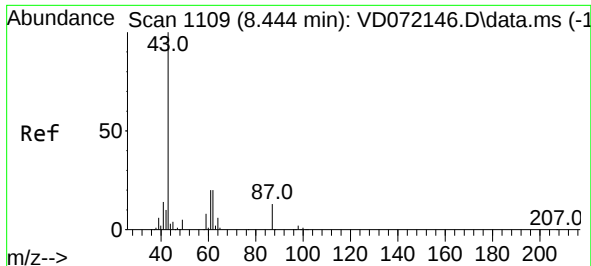
Tgt Ion:117 Resp: 56155
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.562 ug/l
RT: 9.314 min Scan# 1257
Delta R.T. -0.035 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 83 Resp: 35187
Ion Ratio Lower Upper
83 100
55 137.1 63.2 94.8#
98 10.7 38.2 57.4#

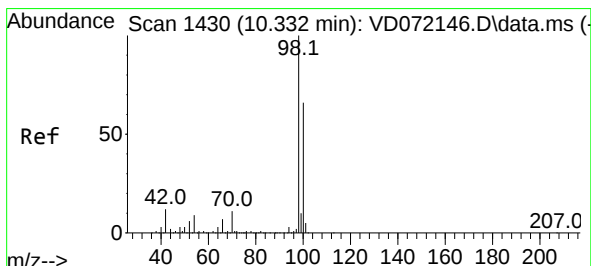
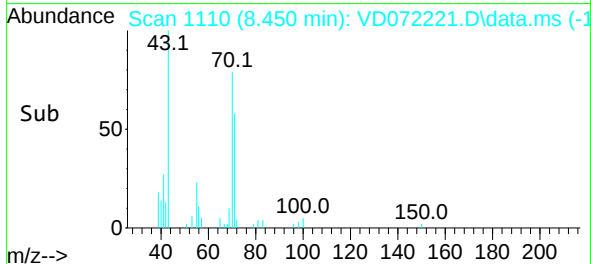
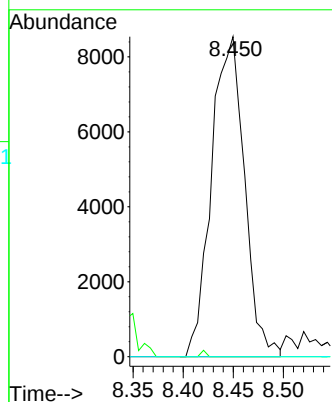
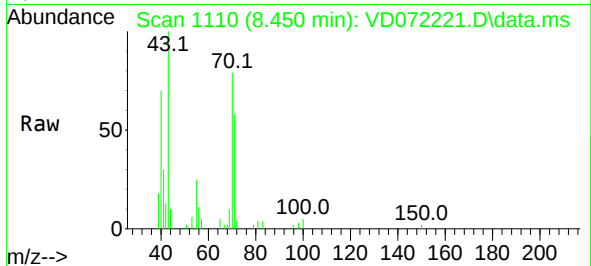




#43
Isopropyl Acetate
Concen: 2.621 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

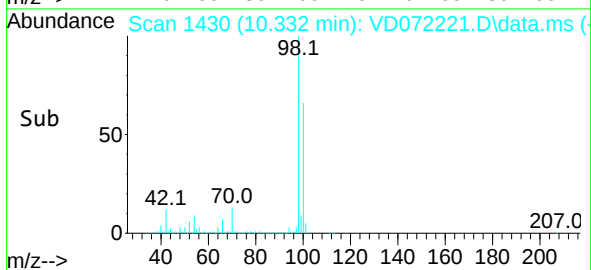
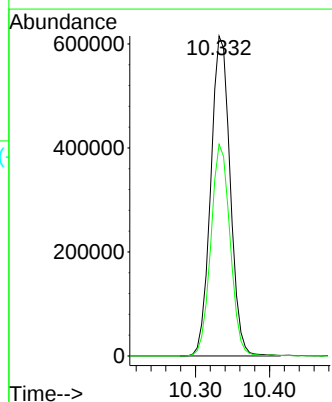
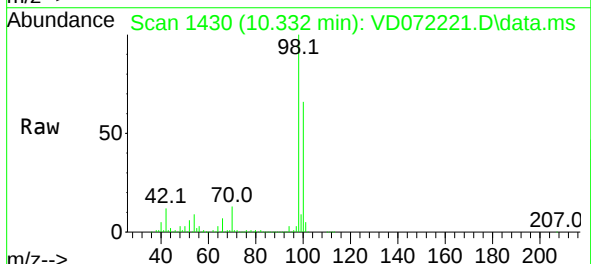
Instrument :
MSVOA_D
ClientSampleId :
TP-1

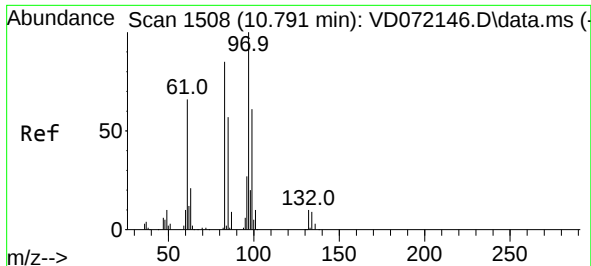
Tgt Ion: 43 Resp: 19561
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#50
Toluene-d8
Concen: 48.894 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 98 Resp: 1118638
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

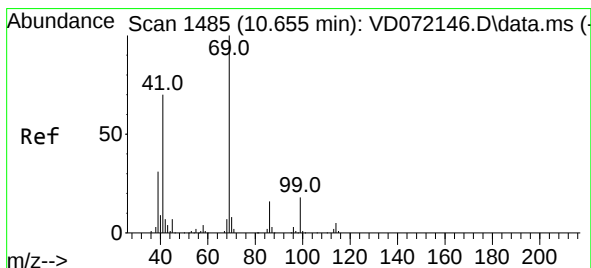
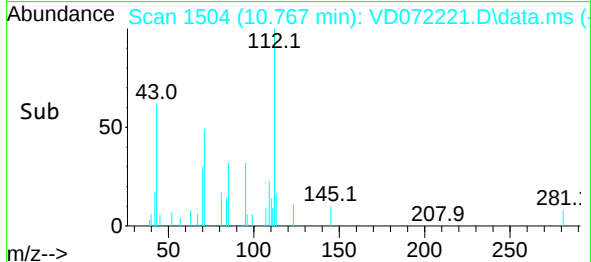
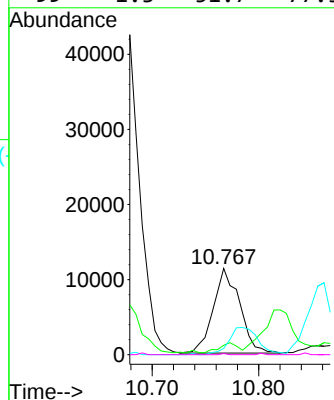
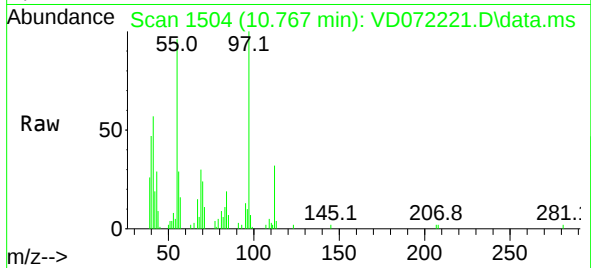




#55
1,1,2-Trichloroethane
Concen: 3.780 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.023 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

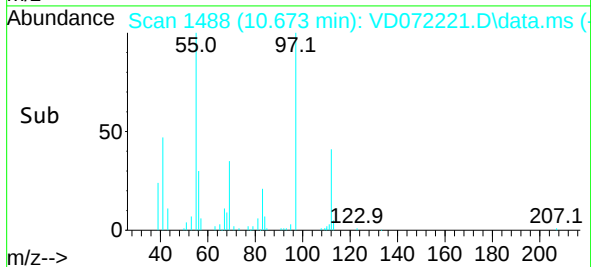
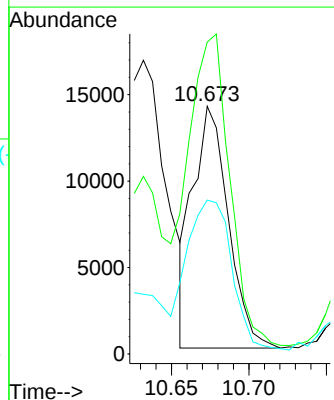
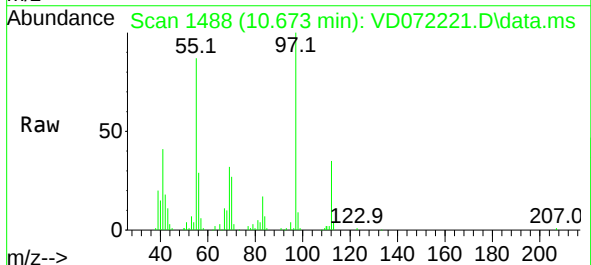
Instrument :
MSVOA_D
ClientSampleId :
TP-1

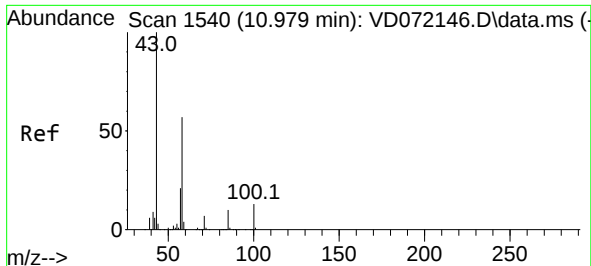
Tgt Ion: 97 Resp: 19451
Ion Ratio Lower Upper
97 100
83 8.1 69.0 103.4#
85 7.4 42.6 63.8#
99 1.3 51.7 77.5#



#56
Ethyl methacrylate
Concen: 3.698 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 69 Resp: 22292
Ion Ratio Lower Upper
69 100
41 149.7 63.0 94.6#
39 78.0 33.8 50.8#

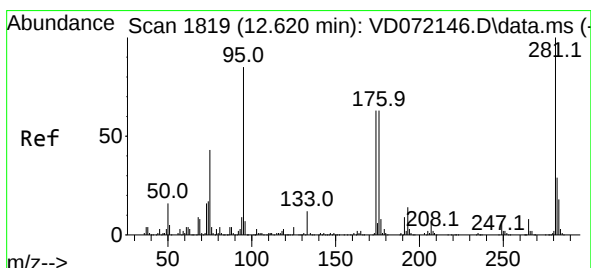
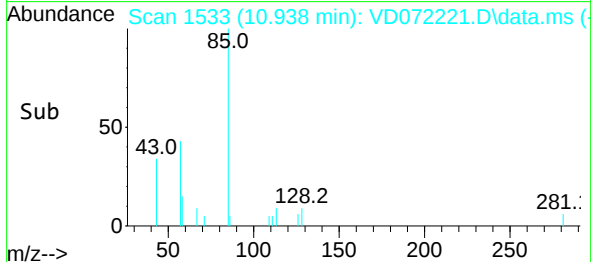
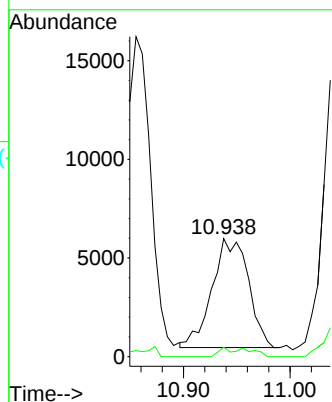
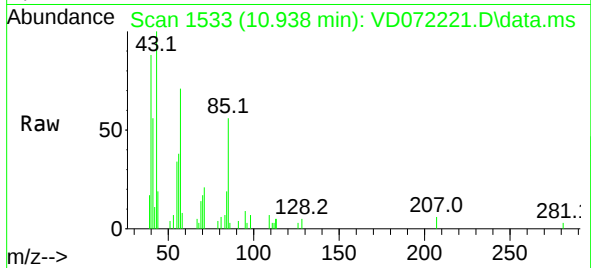




#59
2-Hexanone
Concen: 4.836 ug/l
RT: 10.938 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

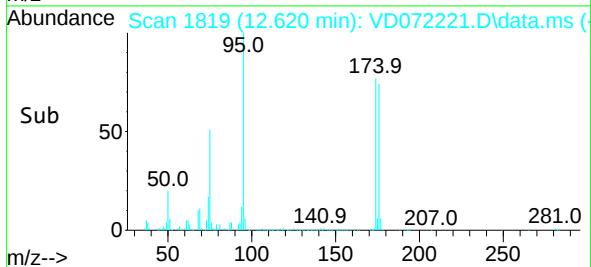
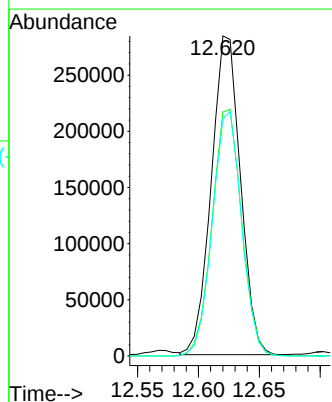
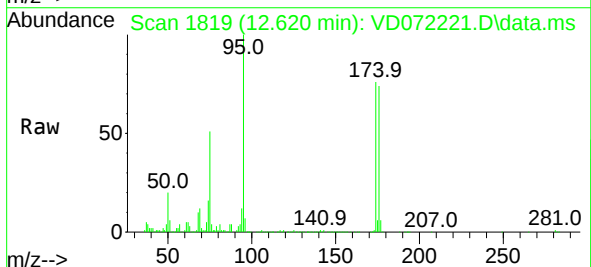
Instrument :
MSVOA_D
ClientSampleId :
TP-1

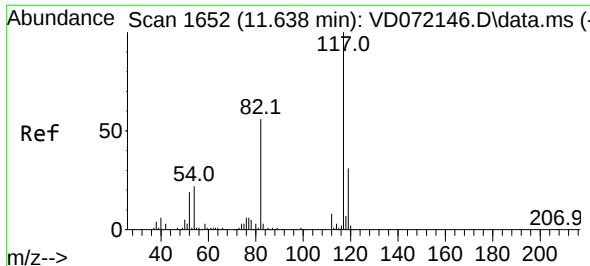
Tgt Ion: 43 Resp: 13093
Ion Ratio Lower Upper
43 100
58 3.3 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 53.158 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 95 Resp: 472555
Ion Ratio Lower Upper
95 100
174 78.4 0.0 152.8
176 76.5 0.0 145.4

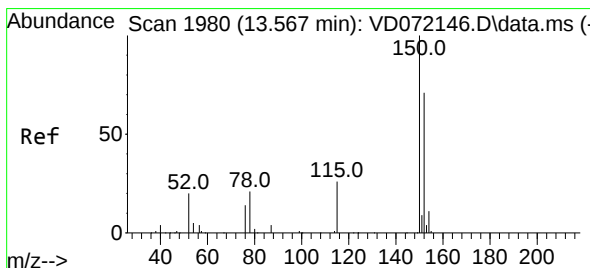
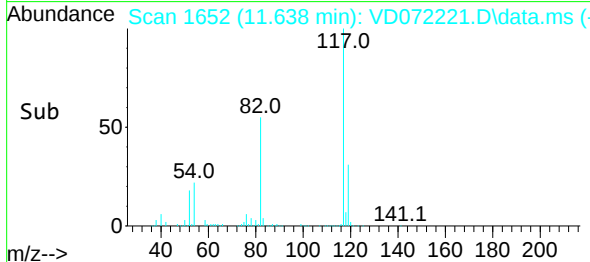
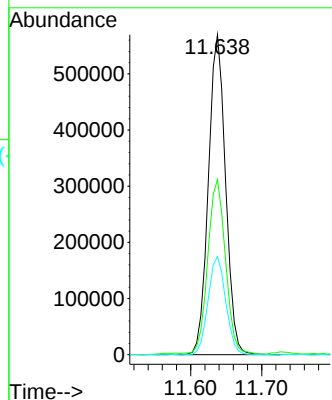
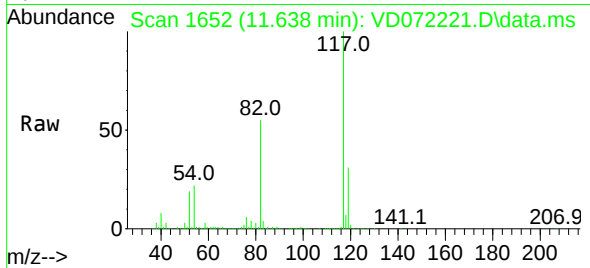




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

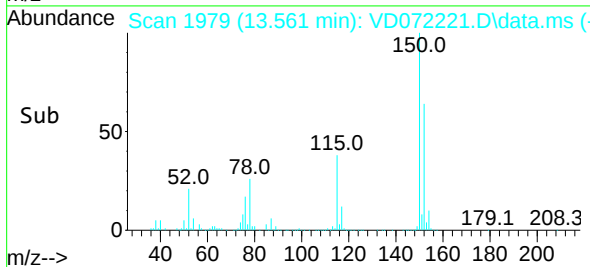
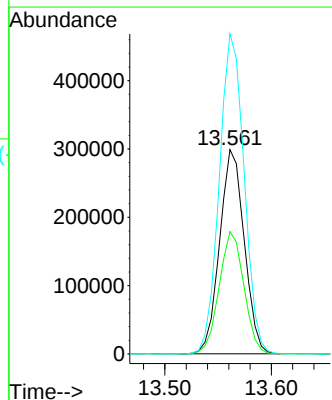
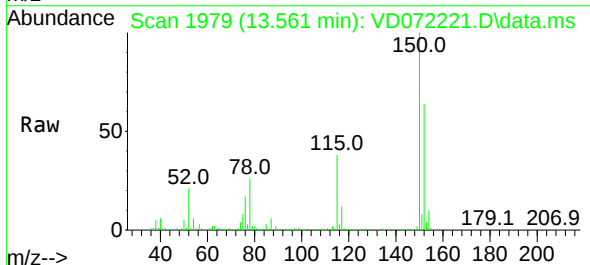
Instrument :
MSVOA_D
ClientSampleId :
TP-1

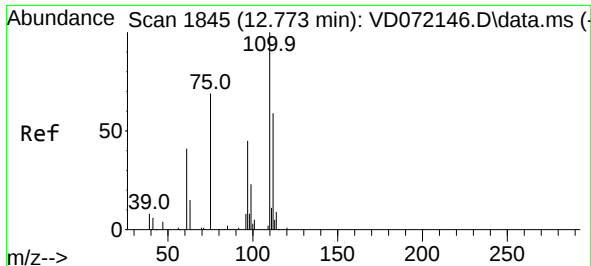
Tgt Ion:117 Resp: 958195
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 30.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion:152 Resp: 479448
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 158.0 0.0 348.6

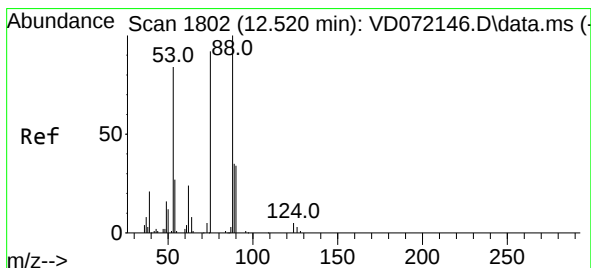
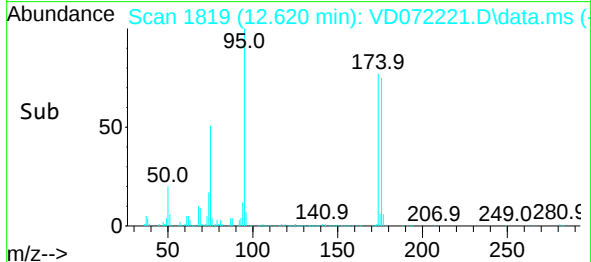
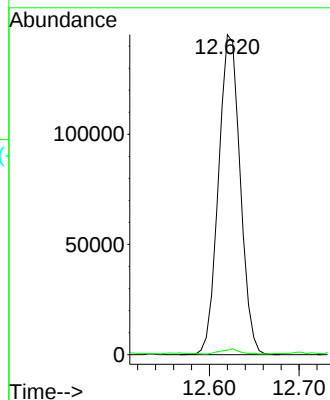
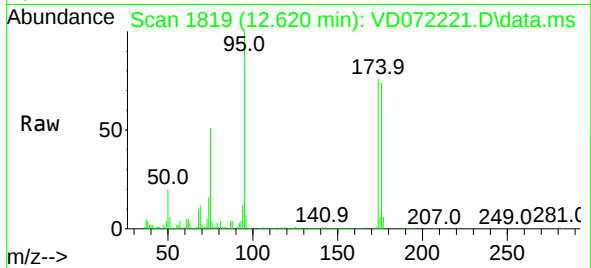




#76
1,2,3-Trichloropropane
Concen: 46.176 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 244211
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.567 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072221.D
Acq: 16 Mar 2022 16:34

Tgt Ion: 75 Resp: 244211
Ion Ratio Lower Upper
75 100
53 0.7 86.5 129.7#
89 0.0 33.9 50.9#

