

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074027.D
 Acq On : 10 Aug 2022 16:05
 Operator : VA/SY
 Sample : N4038-07
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-7

Quant Time: Aug 10 17:41:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

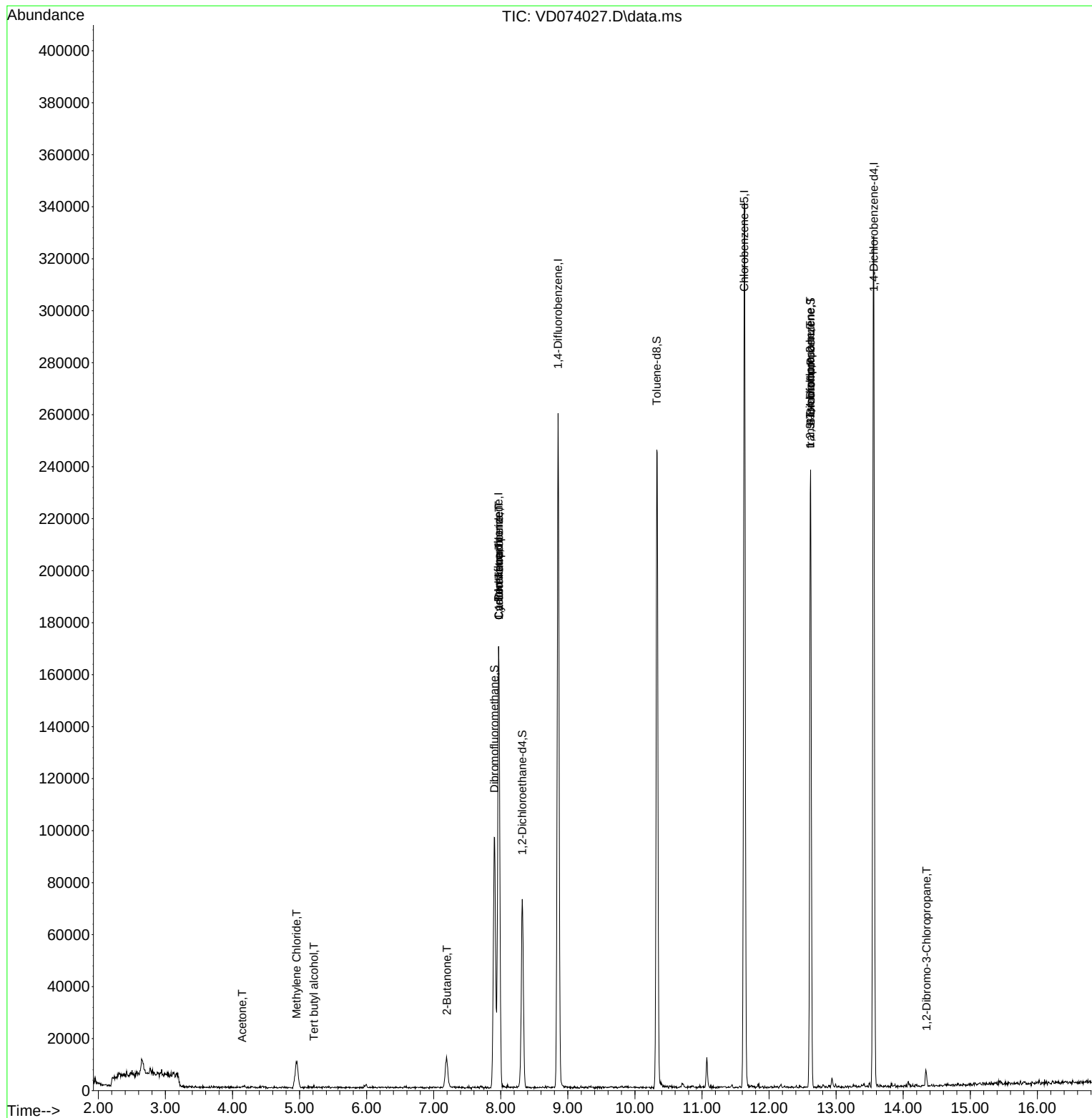
Internal Standards						
1) Pentafluorobenzene	7.967	168	121333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	210999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	193492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	85943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55621	59.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.080%
35) Dibromofluoromethane	7.902	113	68619	48.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.326	98	168759	45.524	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.620	95	75627	43.882	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	195	Below Cal	#	43
3) Chloromethane	2.209	50	587	Below Cal	#	39
11) Tert butyl alcohol	5.214	59	64	8.376	ug/l #	74
16) Acetone	4.144	43	429	2.210	ug/l #	46
18) Methyl Acetate	4.456	43	79	Below Cal	#	49
20) Methylene Chloride	4.956	84	8147	3.522	ug/l #	90
25) 2-Butanone	7.197	43	436	1.436	ug/l #	46
31) Cyclohexane	7.973	56	3283	1.542	ug/l #	44
36) 1,1-Dichloropropene	7.973	75	10199	4.782	ug/l #	49
38) Carbon Tetrachloride	7.973	117	12840	5.340	ug/l #	19
71) Bromoform	12.620	173	899	1.041	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	40048	51.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	40048	136.219	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.349	75	572	1.640	ug/l #	1

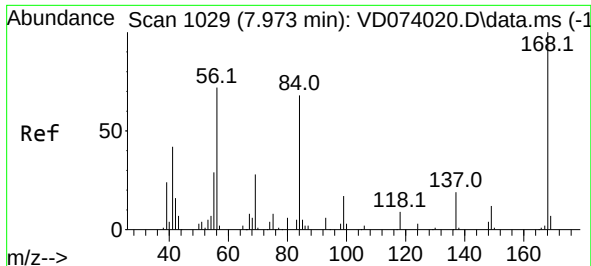
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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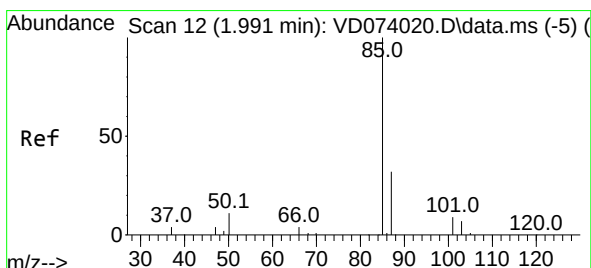
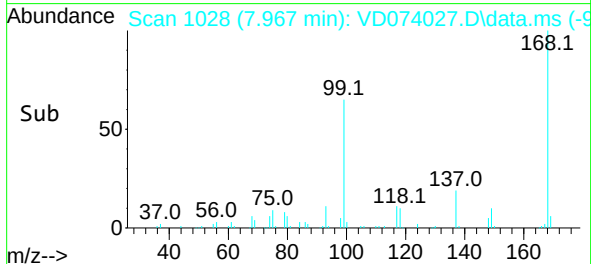
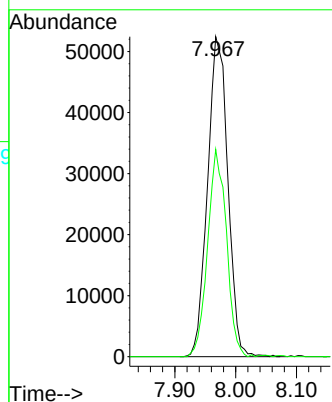
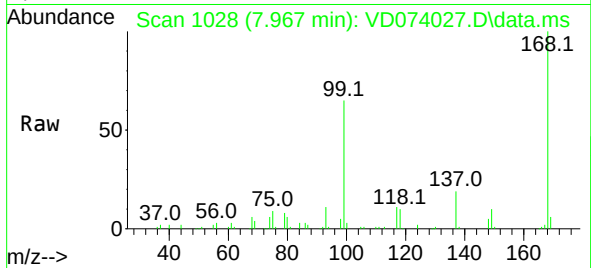




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

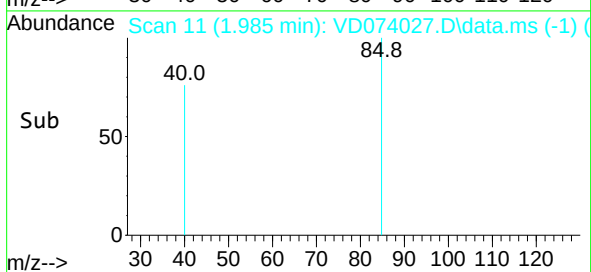
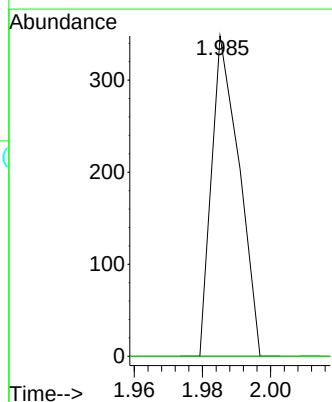
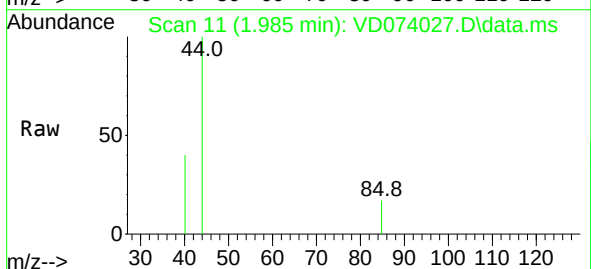
Instrument :
MSVOA_D
ClientSampleId :
S-7

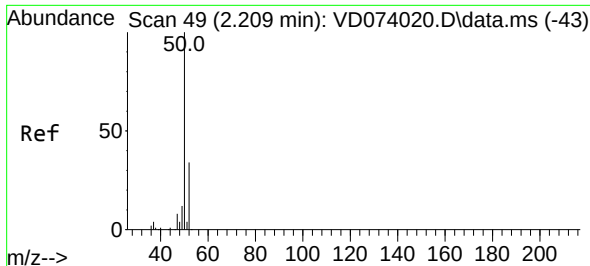
Tgt Ion:168 Resp: 121333
Ion Ratio Lower Upper
168 100
99 64.7 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion: 85 Resp: 195
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

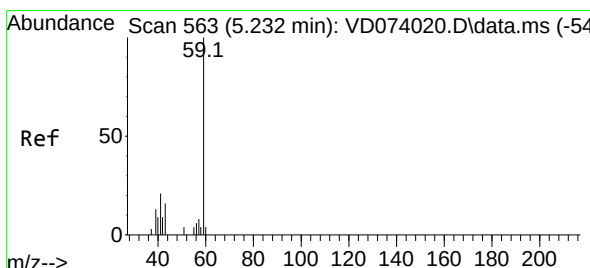
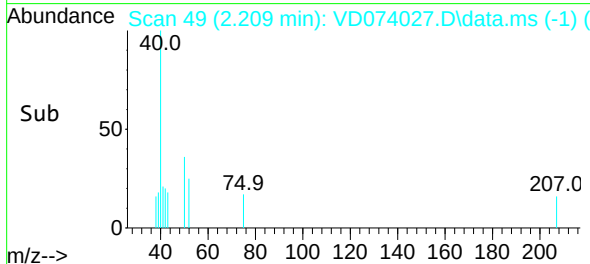
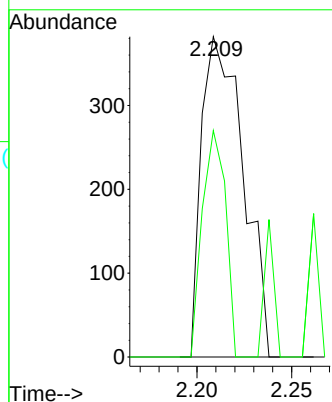
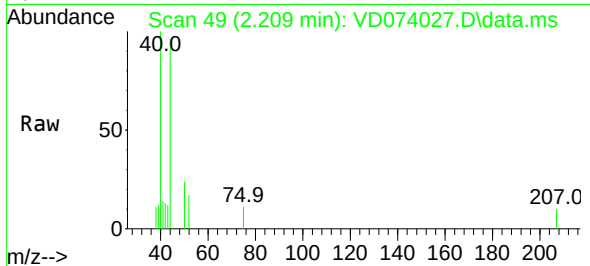




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

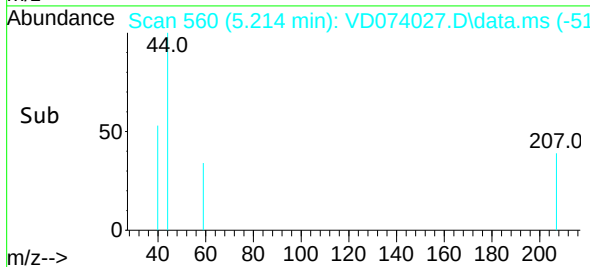
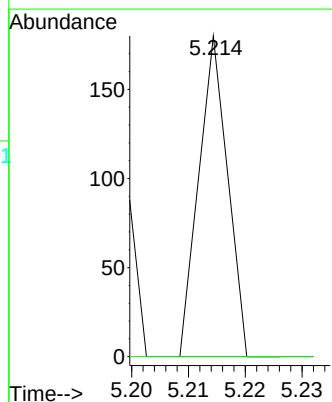
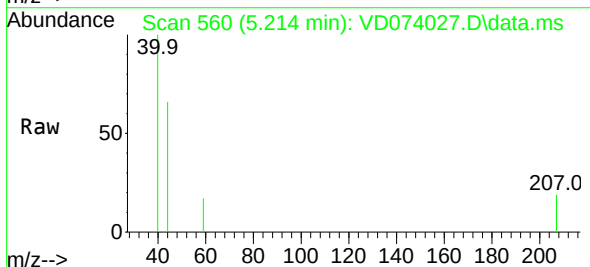
Instrument :
MSVOA_D
ClientSampleId :
S-7

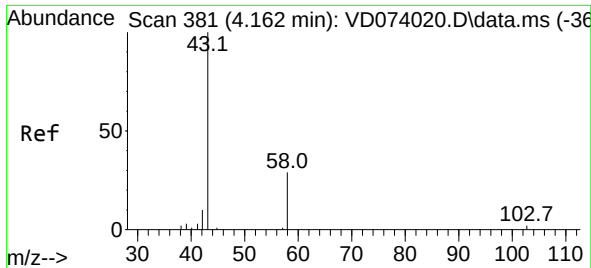
Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 70.7 28.1 42.1#



#11
Tert butyl alcohol
Concen: 8.376 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.018 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

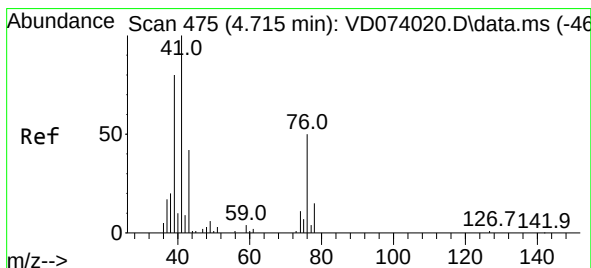
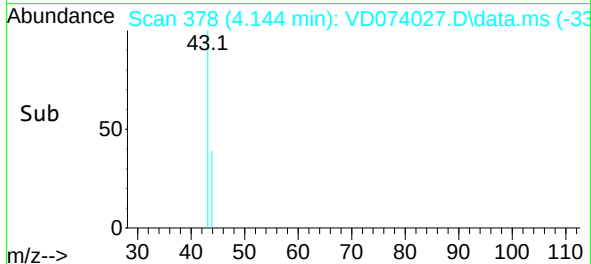
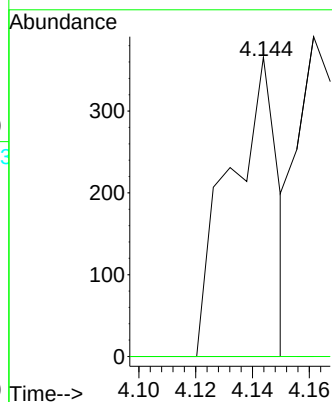
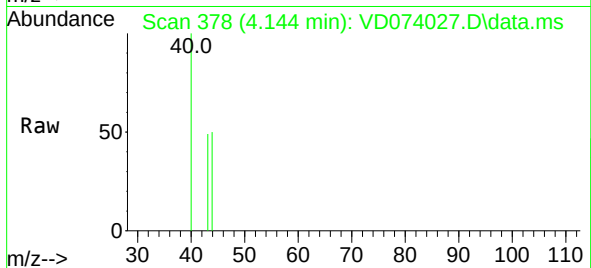




#16
Acetone
Concen: 2.210 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

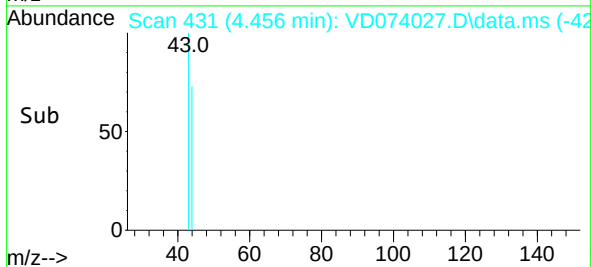
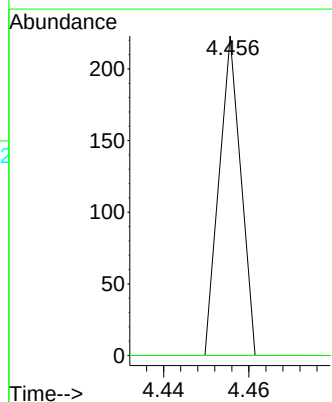
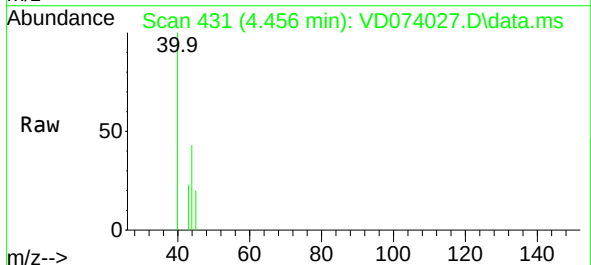
Instrument :
MSVOA_D
ClientSampleId :
S-7

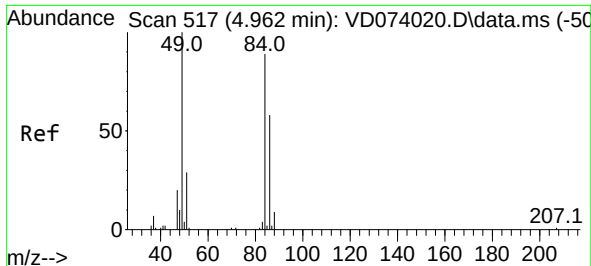
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.456 min Scan# 431
Delta R.T. -0.259 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

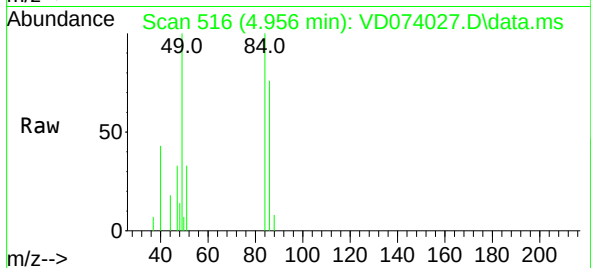
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



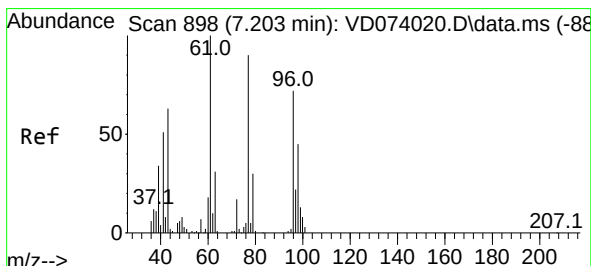
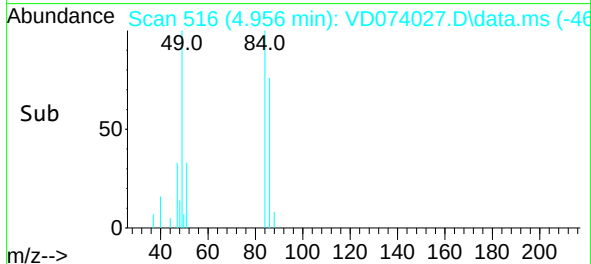
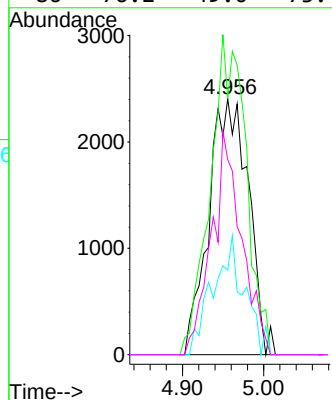


#20
Methylene Chloride
Concen: 3.522 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Instrument :
MSVOA_D
ClientSampleId :
S-7

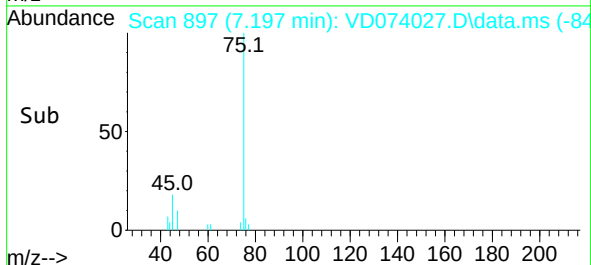
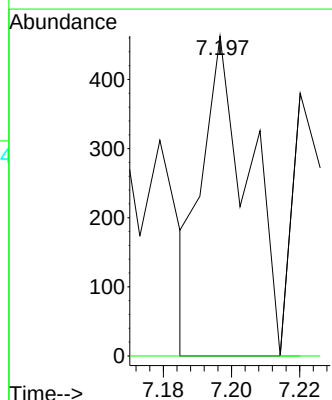
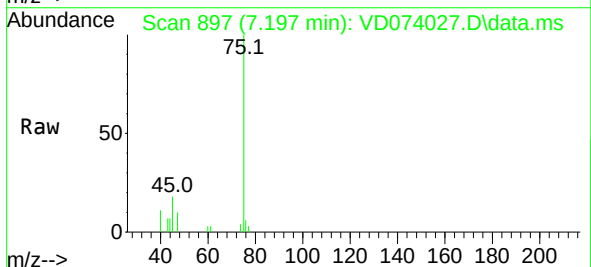


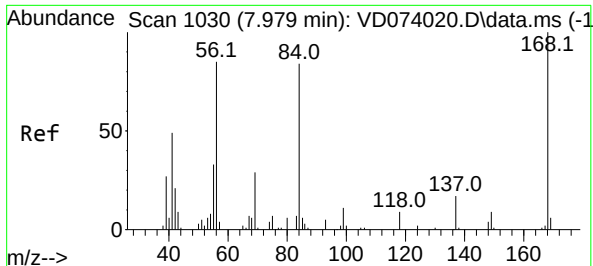
Tgt Ion: 84 Resp: 8147
Ion Ratio Lower Upper
84 100
49 100.1 85.8 128.6
51 33.1 28.0 42.0
86 76.2 49.0 73.4#



#25
2-Butanone
Concen: 1.436 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#

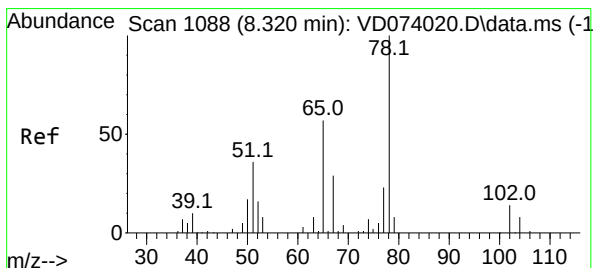
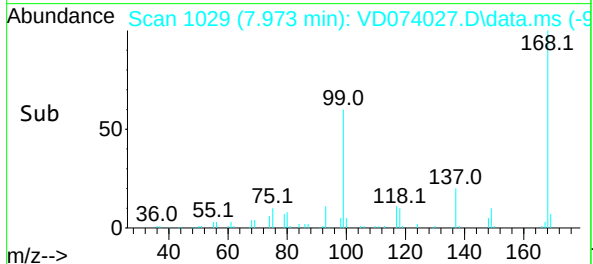
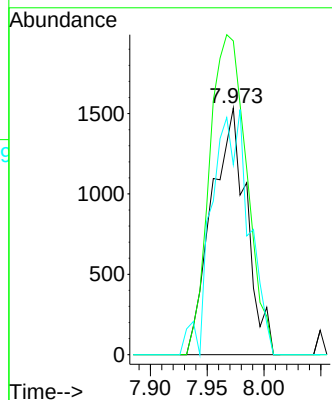
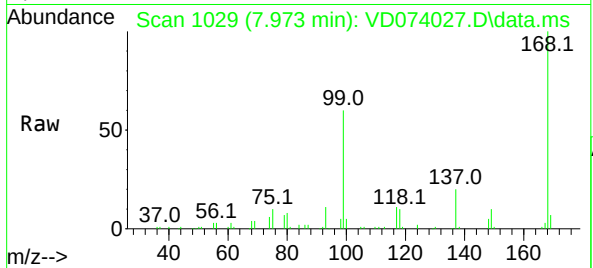




#31
Cyclohexane
Concen: 1.542 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

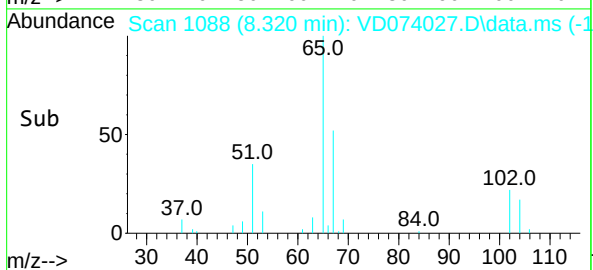
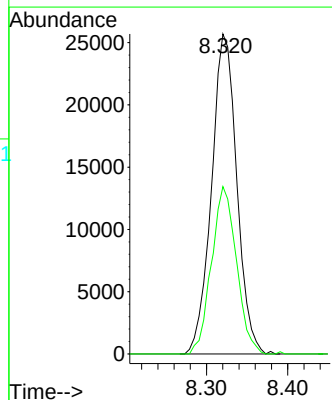
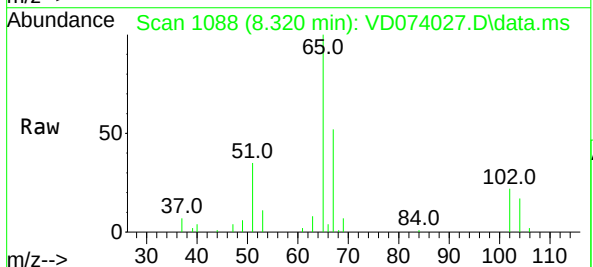
Instrument :
MSVOA_D
ClientSampleId :
S-7

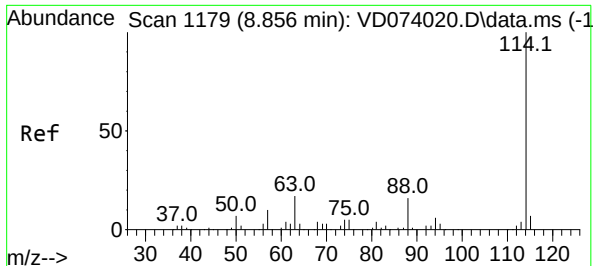
Tgt Ion: 56 Resp: 3283
Ion Ratio Lower Upper
56 100
69 127.2 27.9 41.9#
84 77.0 75.8 113.6



#33
1,2-Dichloroethane-d4
Concen: 59.540 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion: 65 Resp: 55621
Ion Ratio Lower Upper
65 100
67 51.5 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074027.D

Acq: 10 Aug 2022 16:05

Instrument :

MSVOA_D

ClientSampleId :

S-7

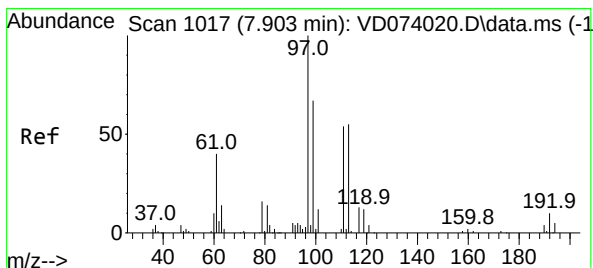
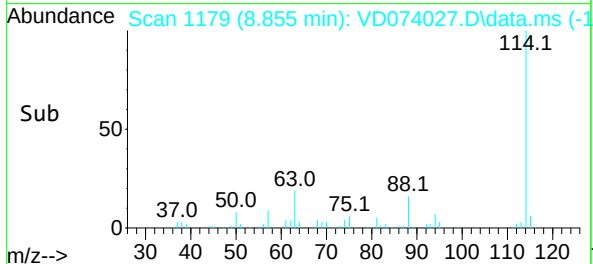
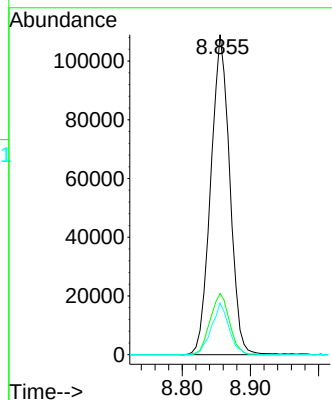
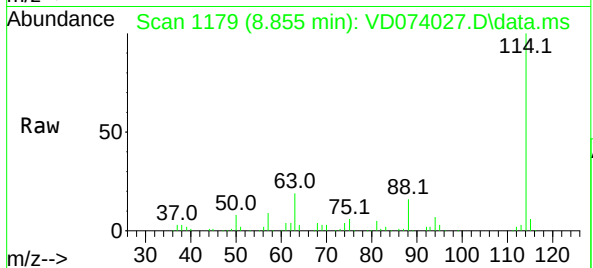
Tgt Ion:114 Resp: 210999

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.964 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.001 min

Lab File: VD074027.D

Acq: 10 Aug 2022 16:05

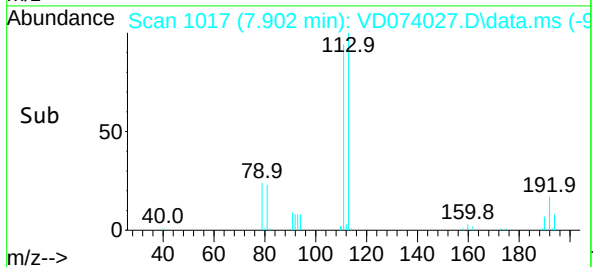
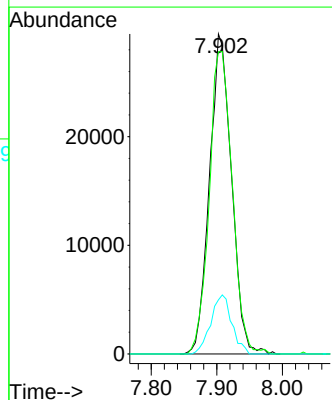
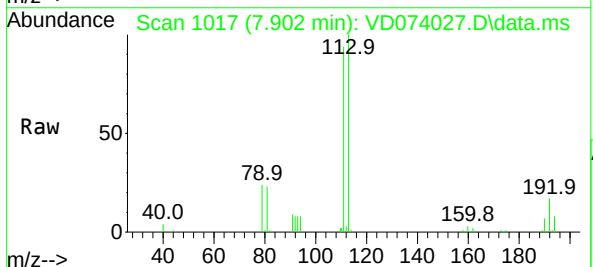
Tgt Ion:113 Resp: 68619

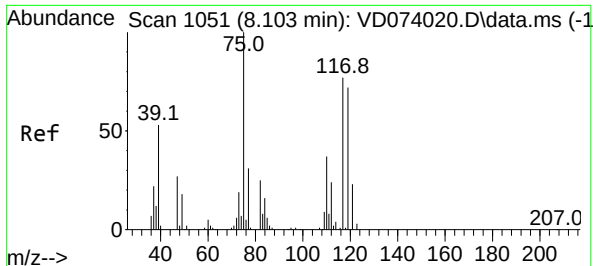
Ion Ratio Lower Upper

113 100

111 98.9 80.0 120.0

192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD074027.D

Acq: 10 Aug 2022 16:05

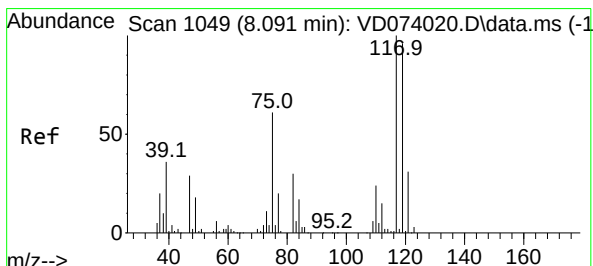
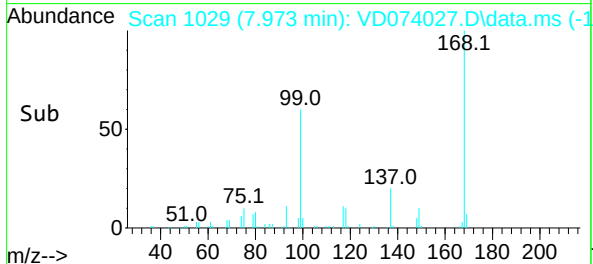
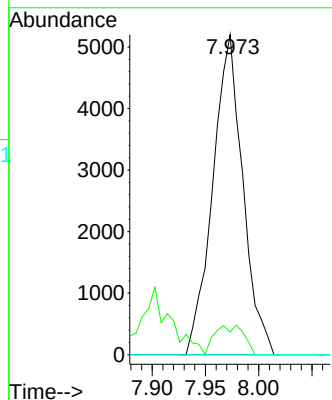
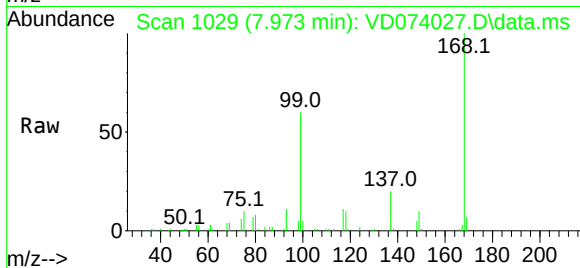
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	10199
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.4#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 5.340 ug/l

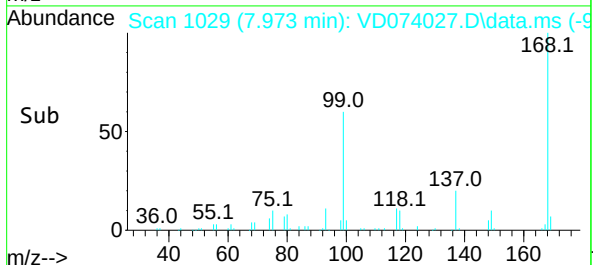
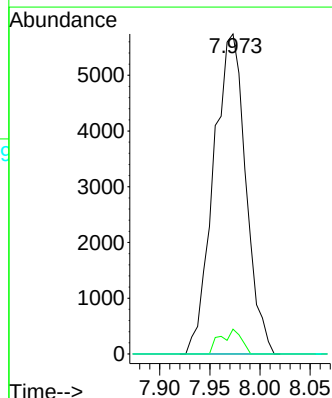
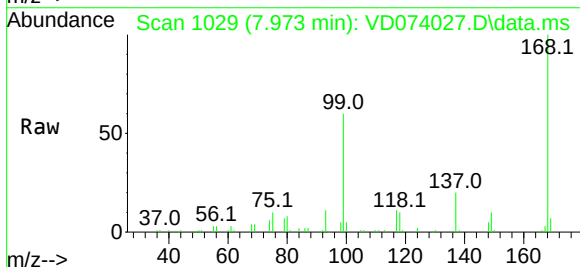
RT: 7.973 min Scan# 1029

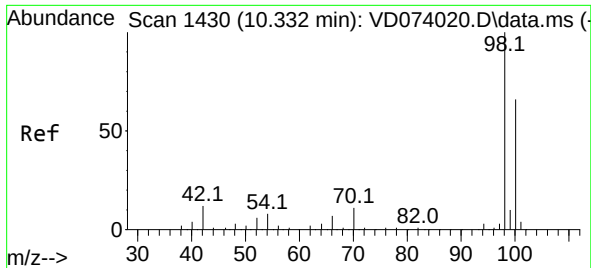
Delta R.T. -0.118 min

Lab File: VD074027.D

Acq: 10 Aug 2022 16:05

Tgt Ion:	117	Resp:	12840
Ion	Ratio	Lower	Upper
117	100		
119	7.7	75.4	113.2#
121	0.0	25.2	37.8#

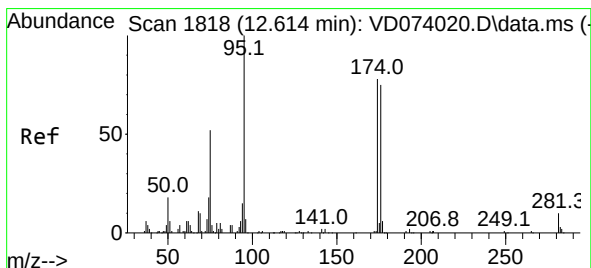
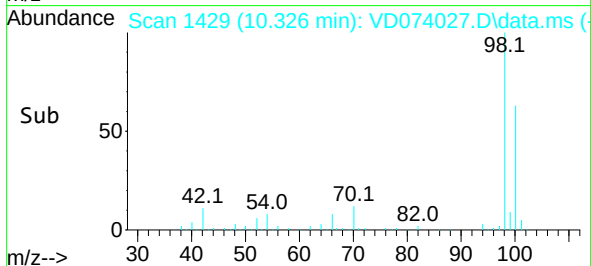
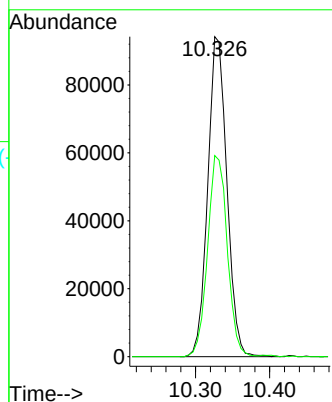
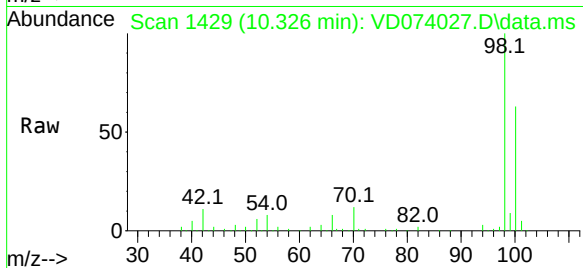




#50
Toluene-d8
Concen: 45.524 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

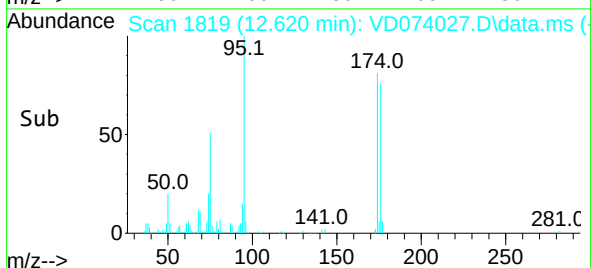
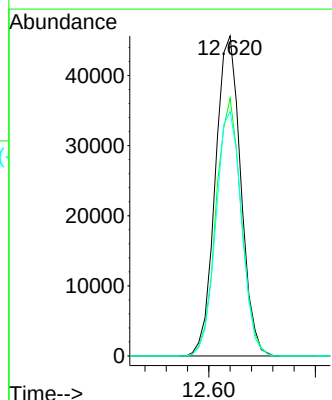
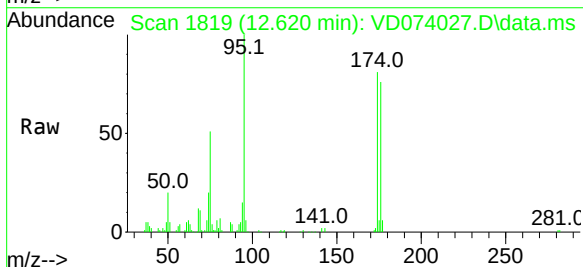
Instrument :
MSVOA_D
ClientSampleId :
S-7

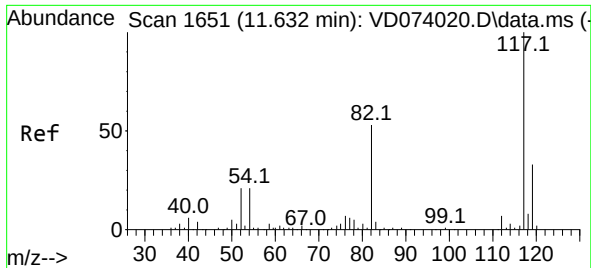
Tgt Ion: 98 Resp: 168759
Ion Ratio Lower Upper
98 100
100 64.7 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 43.882 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion: 95 Resp: 75627
Ion Ratio Lower Upper
95 100
174 79.8 0.0 162.6
176 77.3 0.0 160.0

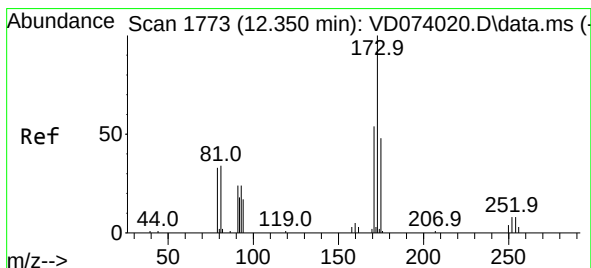
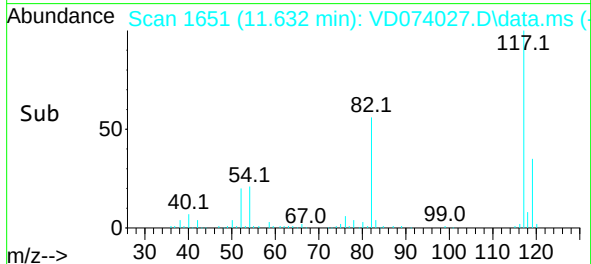
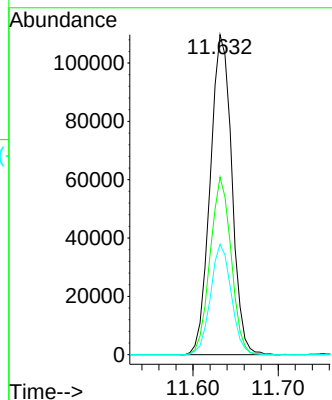
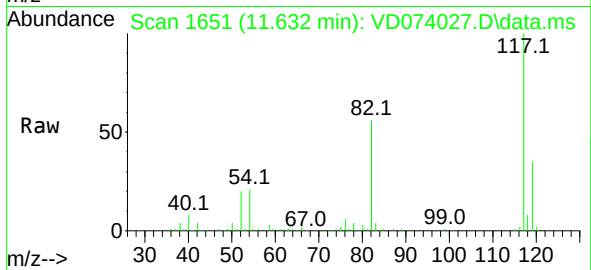




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

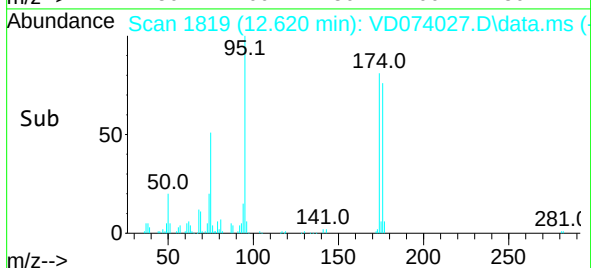
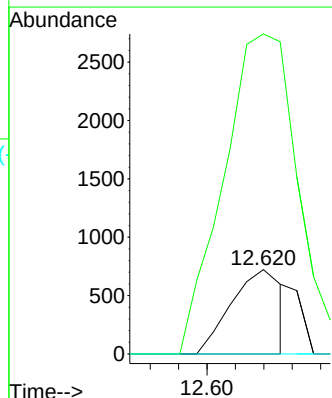
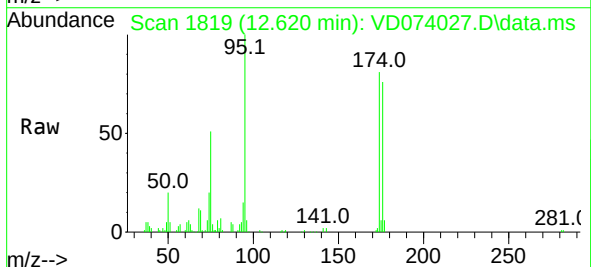
Instrument :
MSVOA_D
ClientSampleId :
S-7

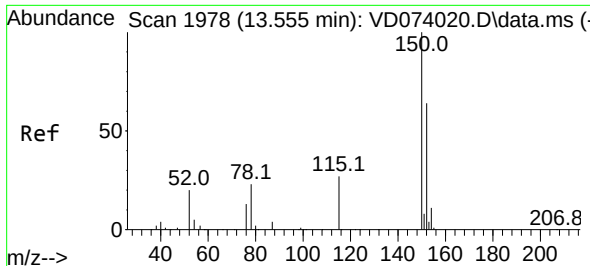
Tgt Ion:117 Resp: 193492
Ion Ratio Lower Upper
117 100
82 55.5 42.7 64.1
119 34.5 25.8 38.8



#71
Bromoform
Concen: 1.041 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD074027.D
Acq: 10 Aug 2022 16:05

Tgt Ion:173 Resp: 899
Ion Ratio Lower Upper
173 100
175 453.1 23.9 71.8#
254 0.0 0.0 0.0

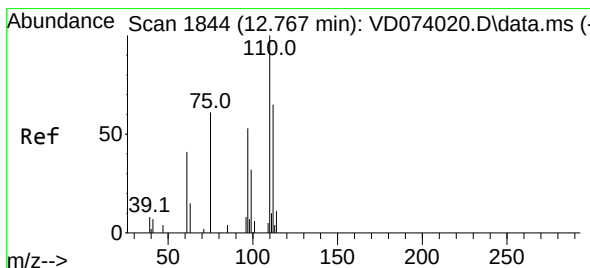
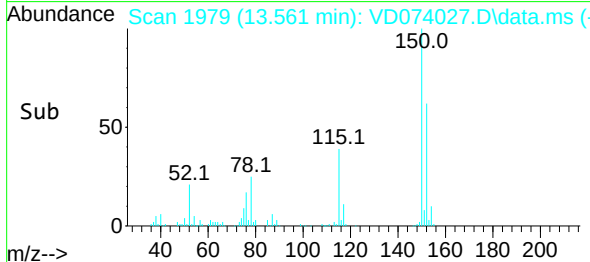
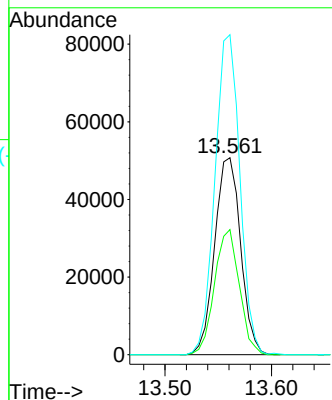
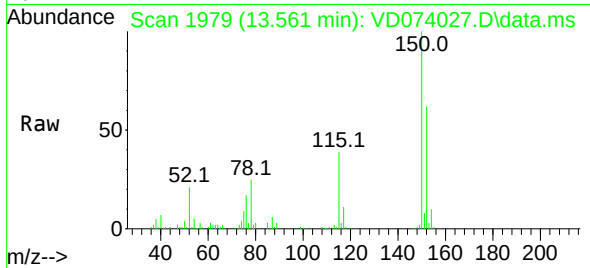




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1978
 Delta R.T. 0.006 min
 Lab File: VD074027.D
 Acq: 10 Aug 2022 16:05

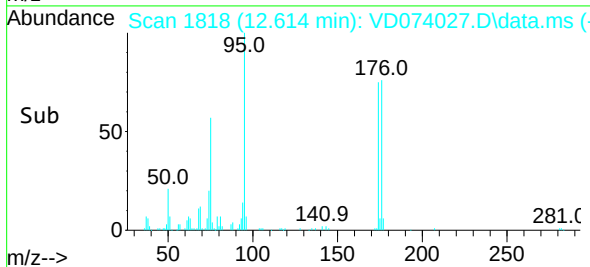
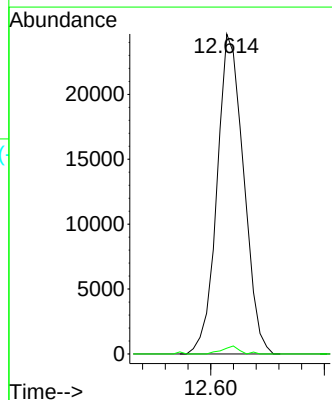
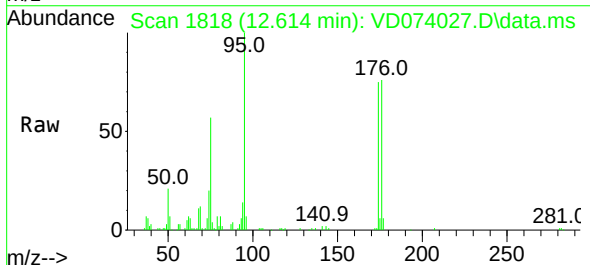
Instrument :
 MSVOA_D
 ClientSampleId :
 S-7

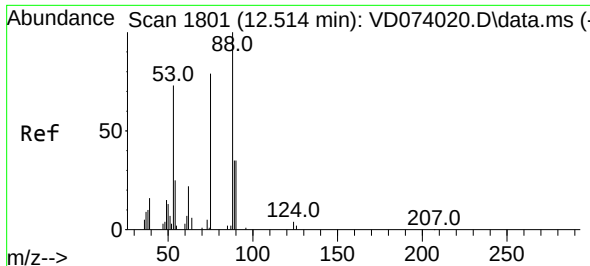
Tgt Ion:152 Resp: 85943
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.9 89.8
 150 156.2 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 51.038 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074027.D
 Acq: 10 Aug 2022 16:05

Tgt Ion: 75 Resp: 40048
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

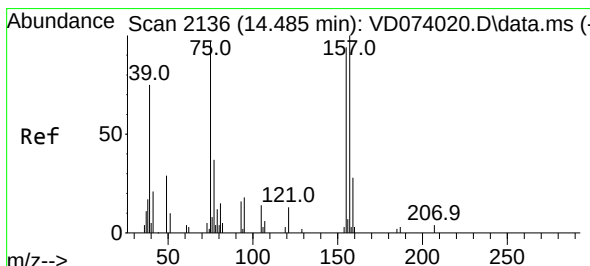
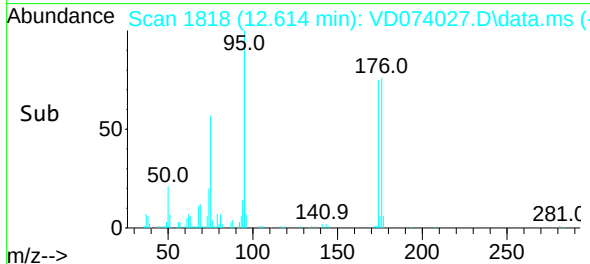
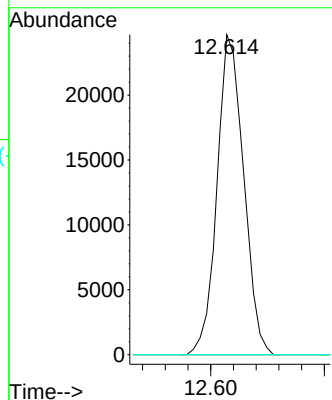
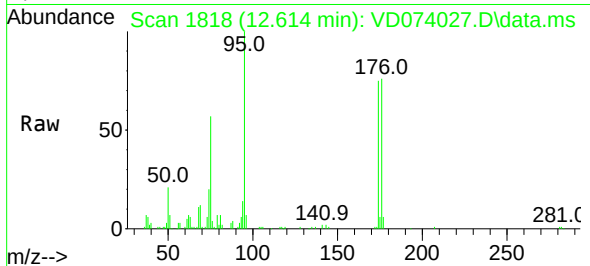




#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.219 ug/l
 RT: 12.614 min Scan# 111
 Delta R.T. 0.100 min
 Lab File: VD074027.D
 Acq: 10 Aug 2022 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 S-7

Tgt Ion: 75 Resp: 40048
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 38.3 57.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.640 ug/l
 RT: 14.349 min Scan# 2113
 Delta R.T. -0.136 min
 Lab File: VD074027.D
 Acq: 10 Aug 2022 16:05

Tgt Ion: 75 Resp: 572
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 55.2 165.6#

