

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073865.D
 Acq On : 19 Jul 2022 17:10
 Operator : VA/SY
 Sample : N3747-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-071522

Quant Time: Jul 20 01:22:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

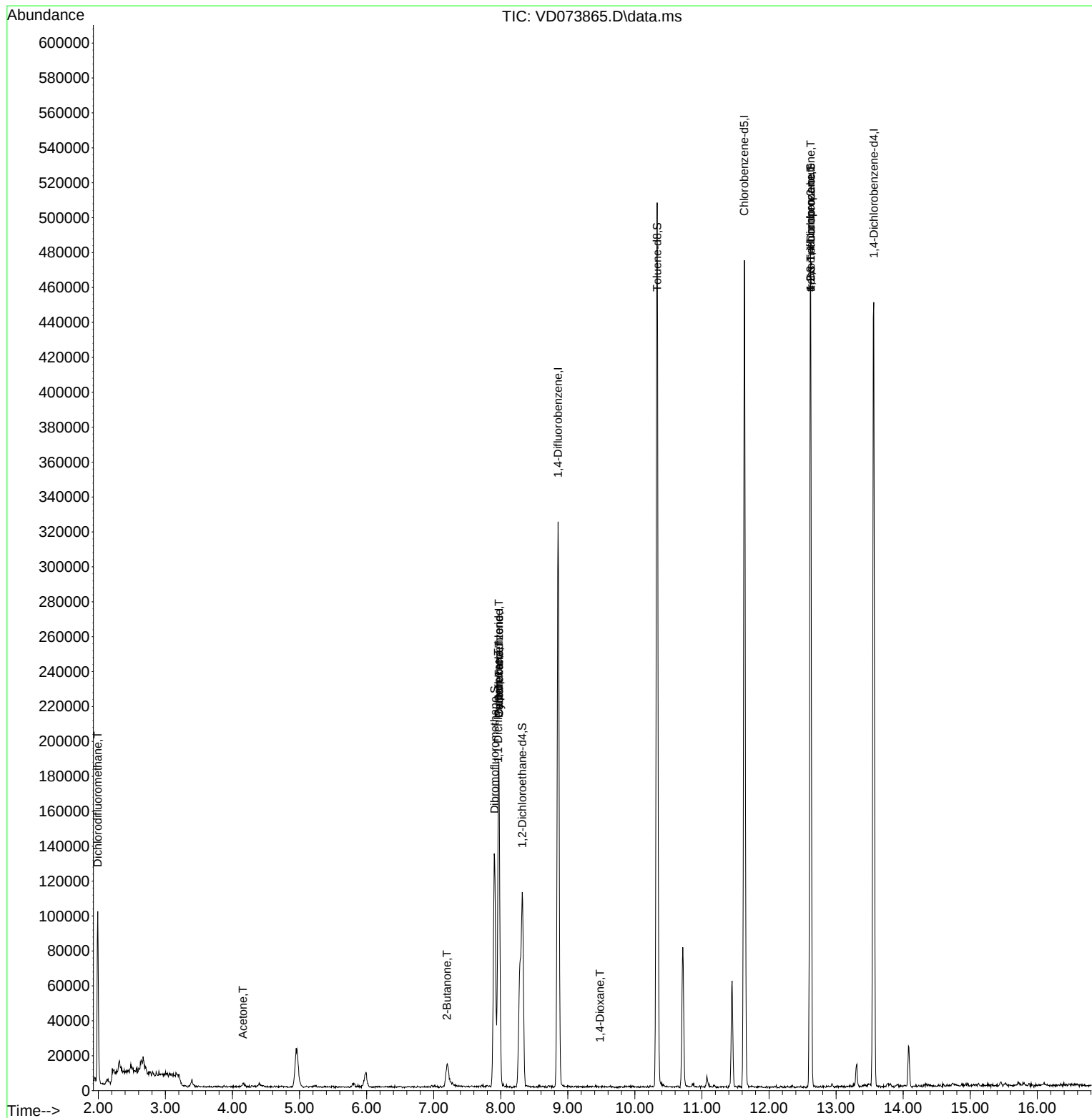
Internal Standards						
1) Pentafluorobenzene	7.973	168	132607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	274476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	260398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	116005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	82596	52.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.320%			
35) Dibromofluoromethane	7.909	113	92308	47.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.340%			
50) Toluene-d8	10.332	98	341429	48.571	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.620	95	116686	48.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.560%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.991	85	70472	58.582	ug/l	94
3) Chloromethane	2.209	50	3856	Below Cal		95
11) Tert butyl alcohol	5.221	59	417	Below Cal #		74
16) Acetone	4.156	43	3616	13.917	ug/l #	88
18) Methyl Acetate	4.721	43	68	Below Cal #		55
20) Methylene Chloride	4.962	84	17067	Below Cal #		82
25) 2-Butanone	7.197	43	1205	3.267	ug/l #	52
31) Cyclohexane	7.973	56	3392	1.348	ug/l #	8
36) 1,1-Dichloropropene	7.962	75	11727	4.198	ug/l #	53
38) Carbon Tetrachloride	7.973	117	14672	4.599	ug/l #	17
49) 1,4-Dioxane	9.479	88	54	4.632	ug/l #	6
76) 1,2,3-Trichloropropane	12.620	75	65290	52.455	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	65290	141.546	ug/l #	7

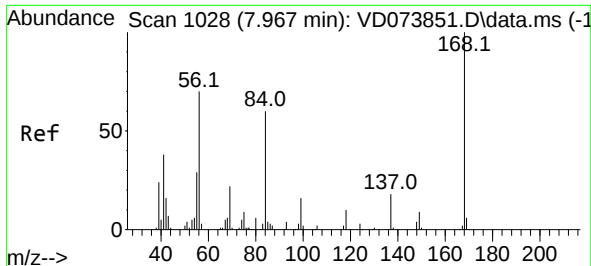
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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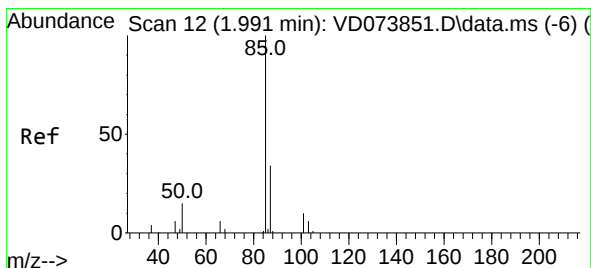
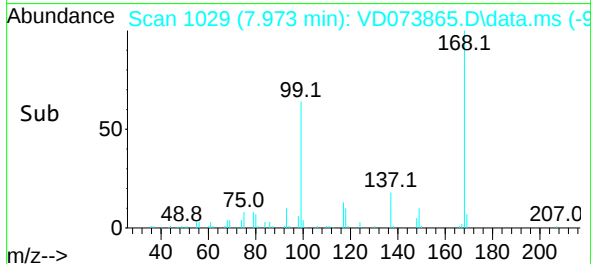
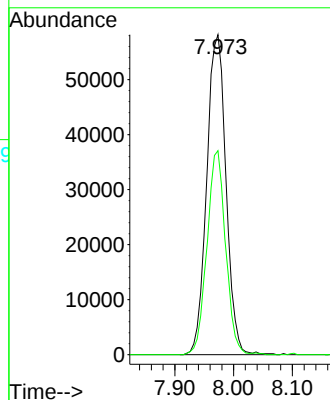
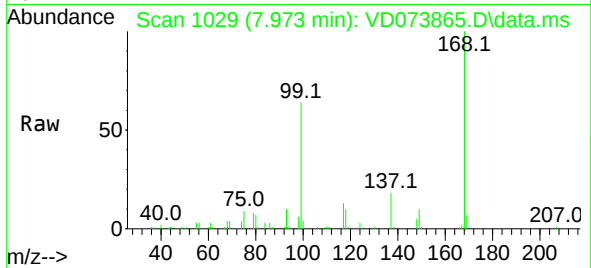




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

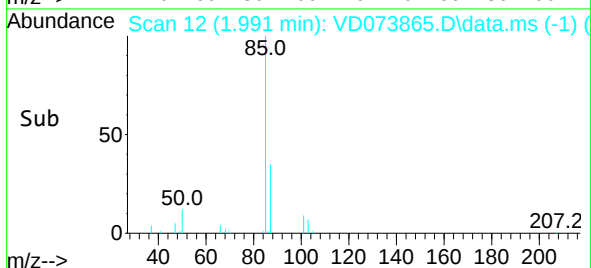
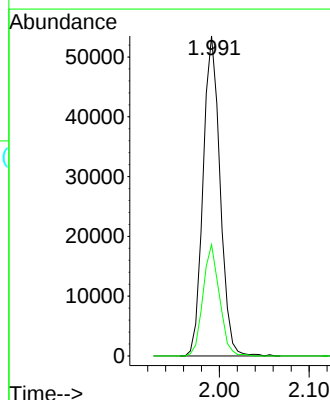
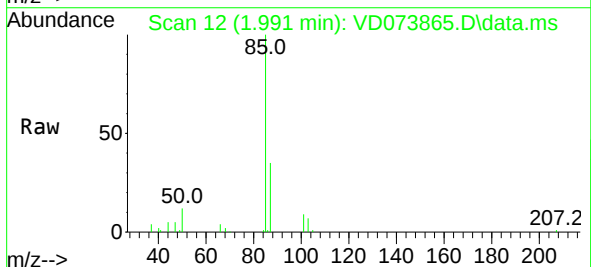
Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

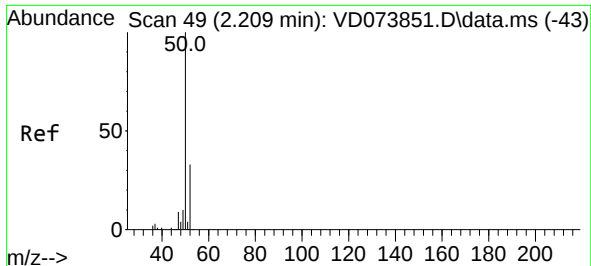
Tgt Ion:168 Resp: 132607
Ion Ratio Lower Upper
168 100
99 63.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 58.582 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Tgt Ion: 85 Resp: 70472
Ion Ratio Lower Upper
85 100
87 34.8 15.7 47.0

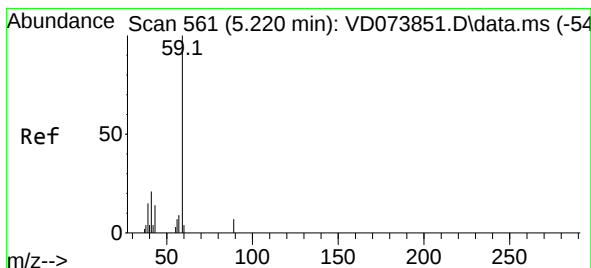
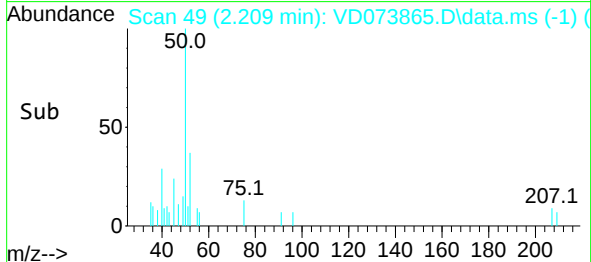
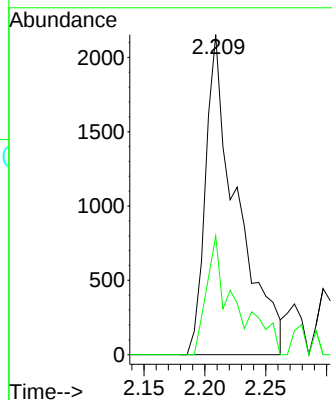
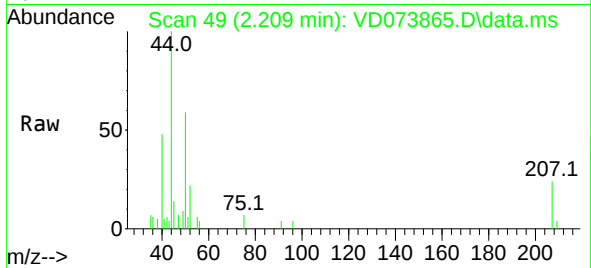




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

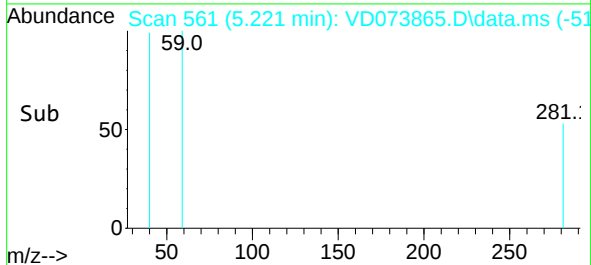
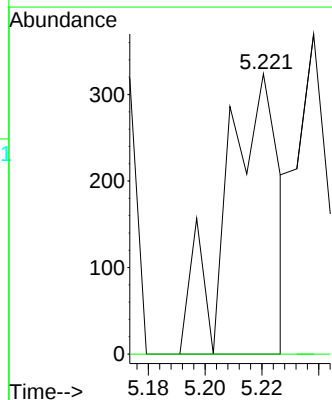
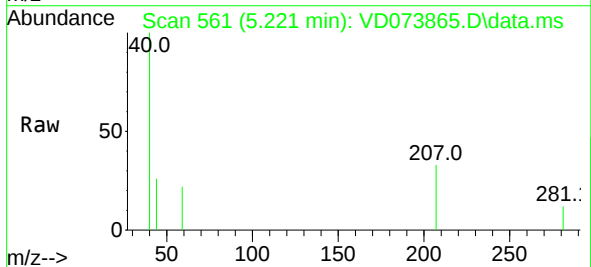
Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

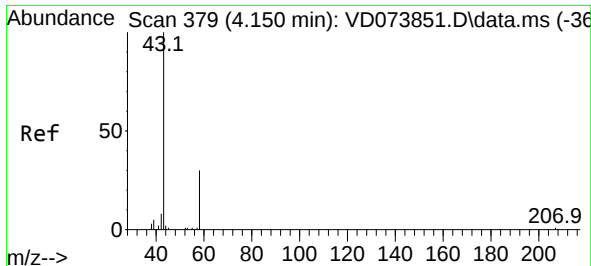
Tgt Ion: 50 Resp: 3856
Ion Ratio Lower Upper
50 100
52 37.2 27.4 41.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.221 min Scan# 561
Delta R.T. 0.001 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6

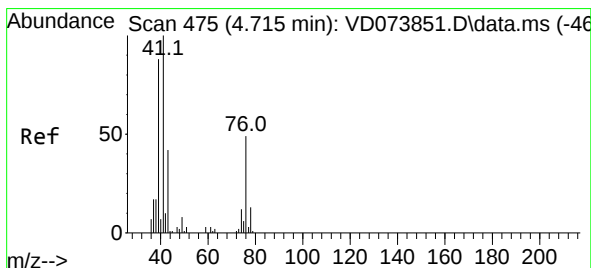
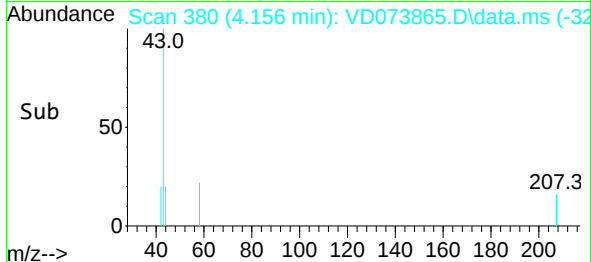
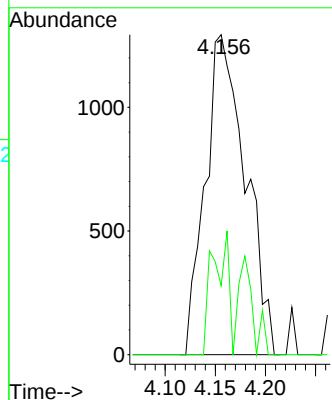
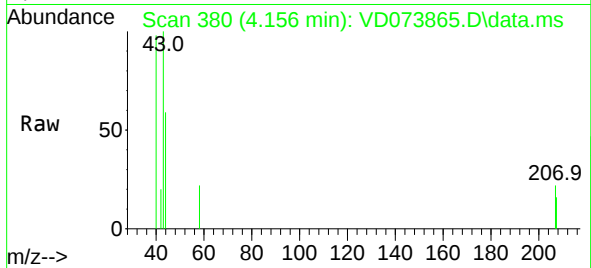




#16
Acetone
Concen: 13.917 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

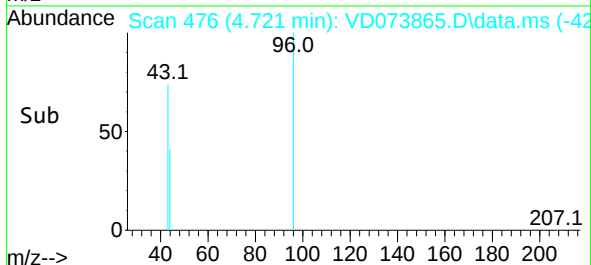
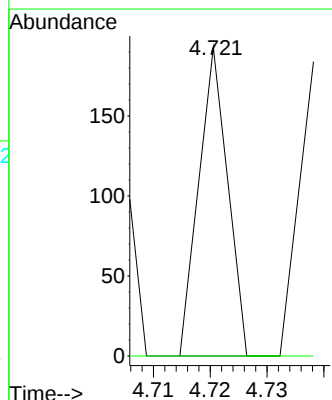
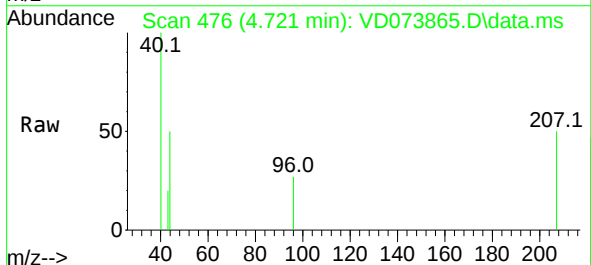
Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

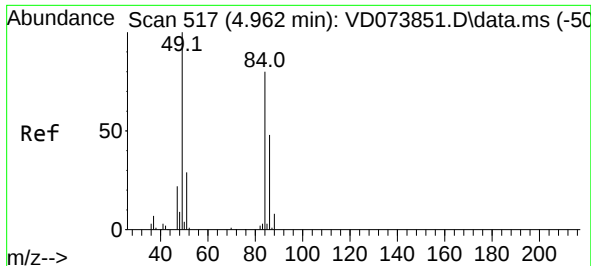
Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
58 21.6 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.721 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

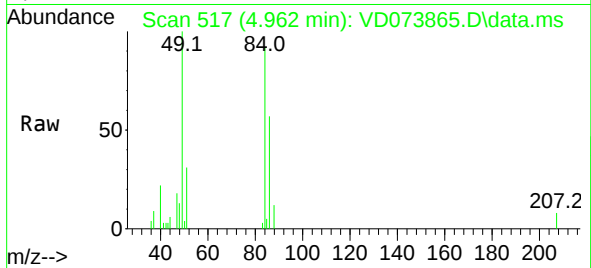
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



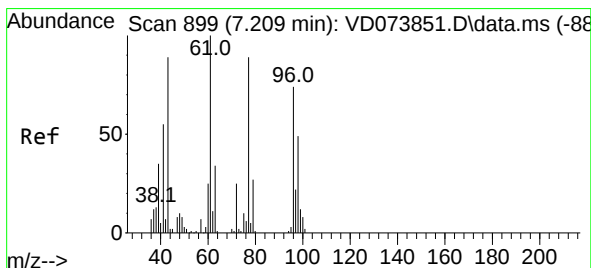
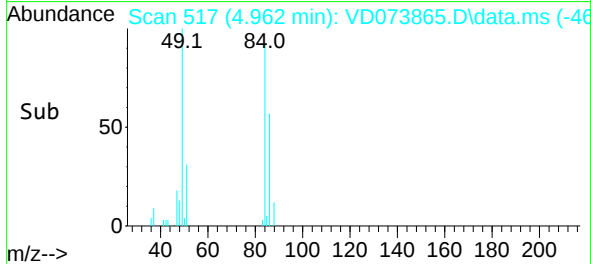
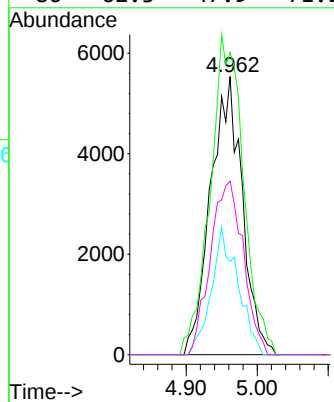


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

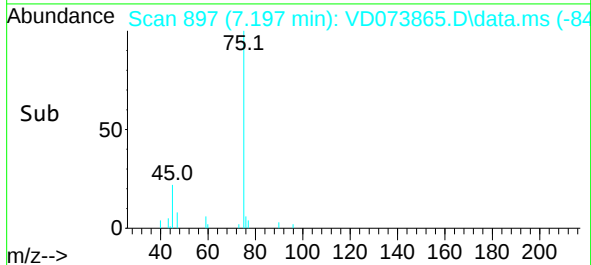
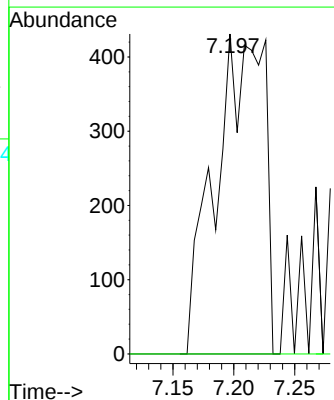
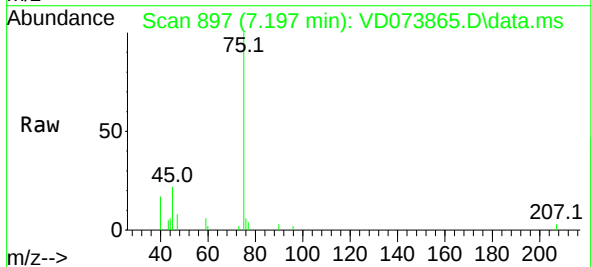


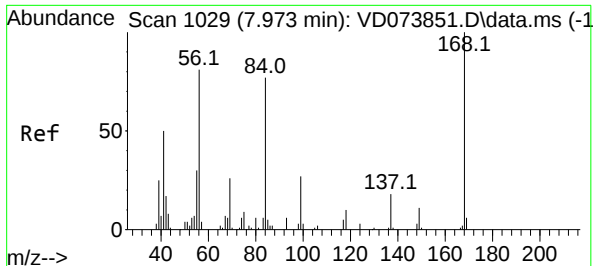
Tgt Ion: 84 Resp: 17067
Ion Ratio Lower Upper
84 100
49 108.7 112.8 169.2#
51 33.5 32.6 48.8
86 62.3 47.9 71.9



#25
2-Butanone
Concen: 3.267 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

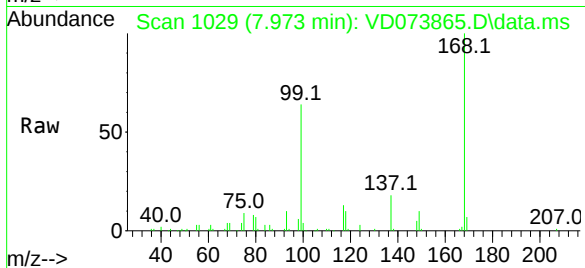
Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



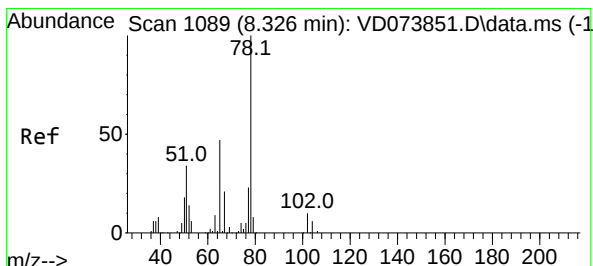
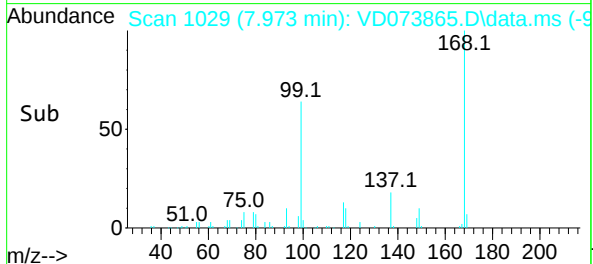
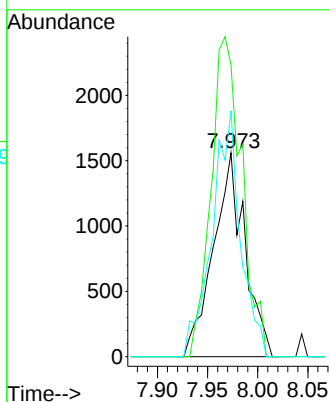


#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

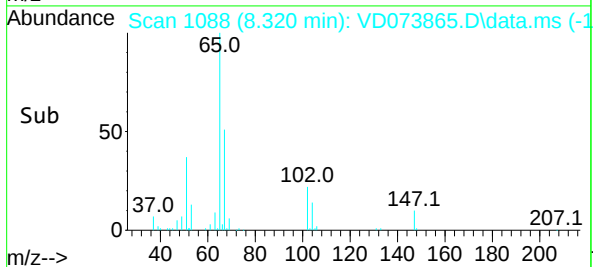
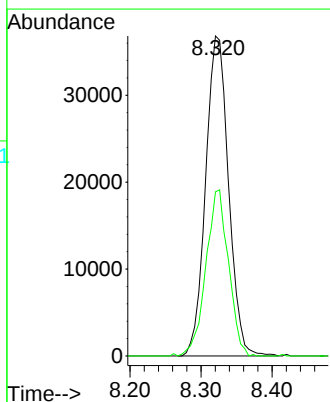
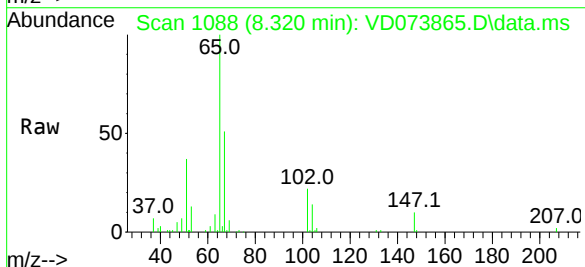


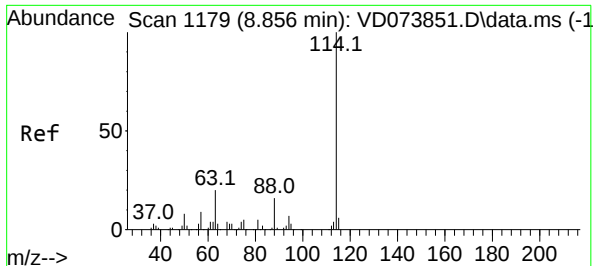
Tgt Ion: 56 Resp: 3392
Ion Ratio Lower Upper
56 100
69 143.1 25.4 38.2#
84 120.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 52.161 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Tgt Ion: 65 Resp: 82596
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073865.D

Acq: 19 Jul 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

OK-01-071522

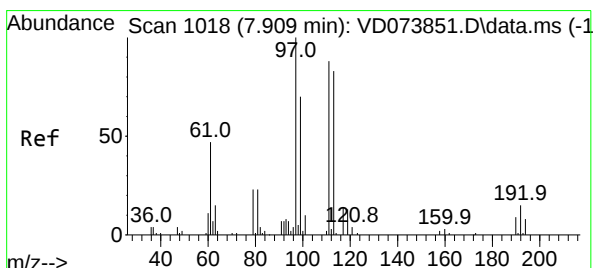
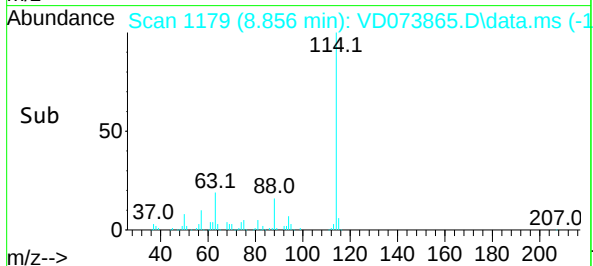
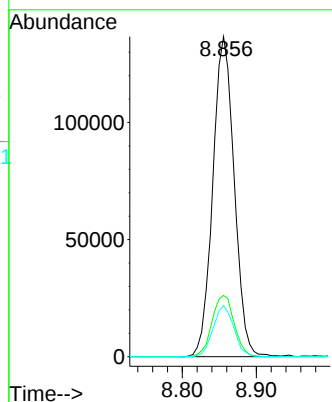
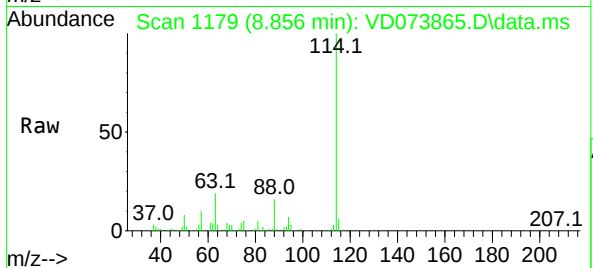
Tgt Ion:114 Resp: 274476

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.671 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073865.D

Acq: 19 Jul 2022 17:10

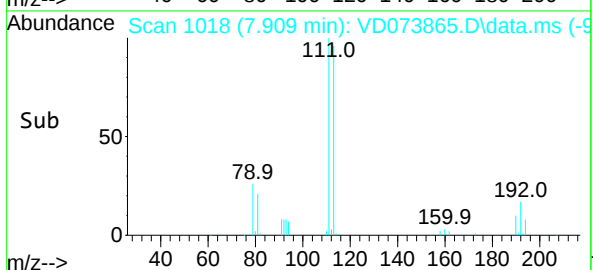
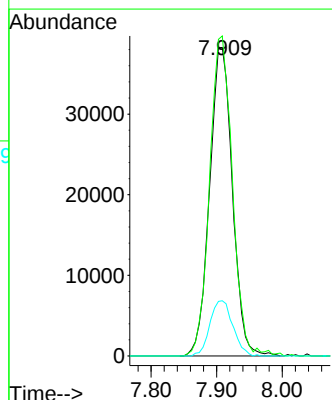
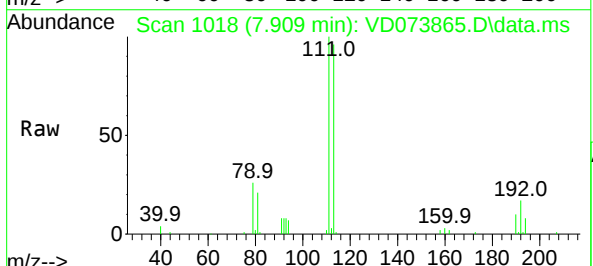
Tgt Ion:113 Resp: 92308

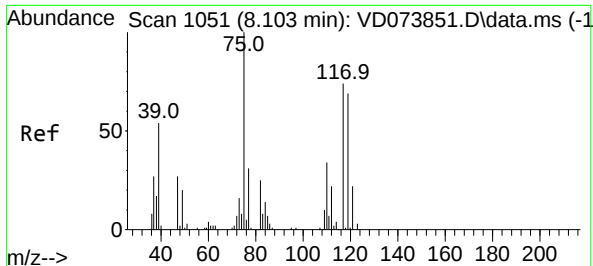
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.198 ug/l

RT: 7.962 min Scan# 1027

Delta R.T. -0.141 min

Lab File: VD073865.D

Acq: 19 Jul 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

OK-01-071522

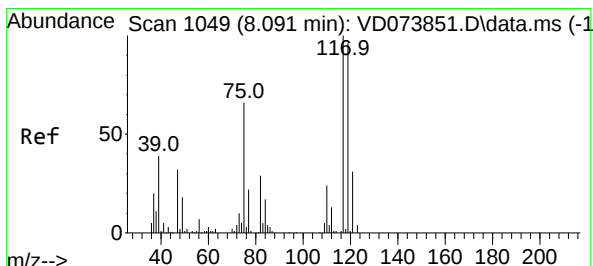
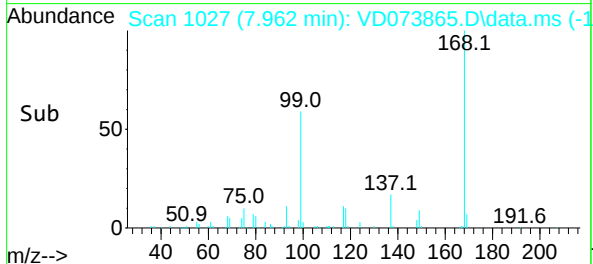
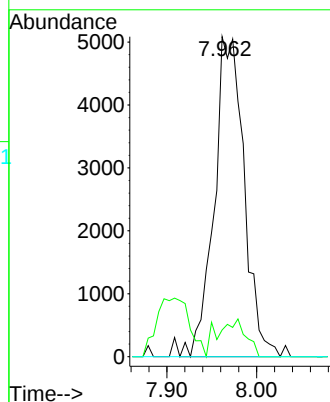
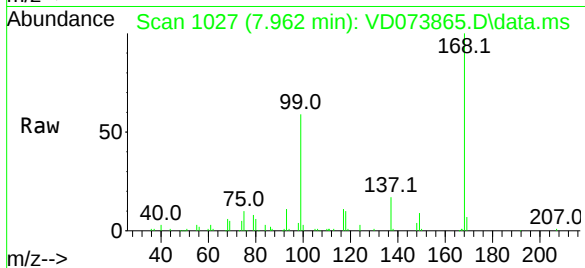
Tgt Ion: 75 Resp: 11727

Ion Ratio Lower Upper

75 100

110 11.1 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.599 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073865.D

Acq: 19 Jul 2022 17:10

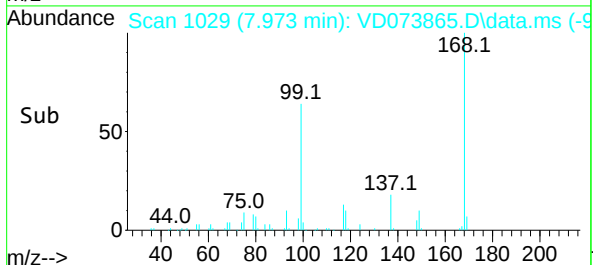
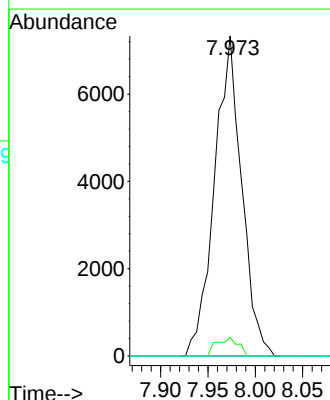
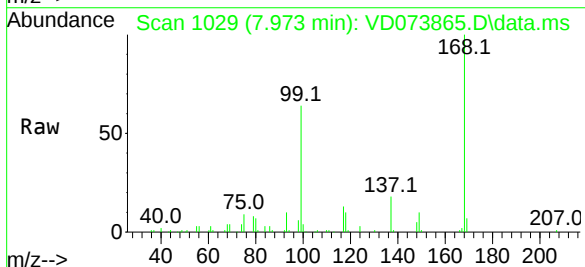
Tgt Ion: 117 Resp: 14672

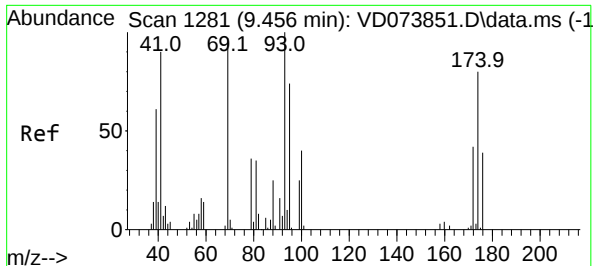
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 4.632 ug/l

RT: 9.479 min Scan# 1285

Delta R.T. 0.024 min

Lab File: VD073865.D

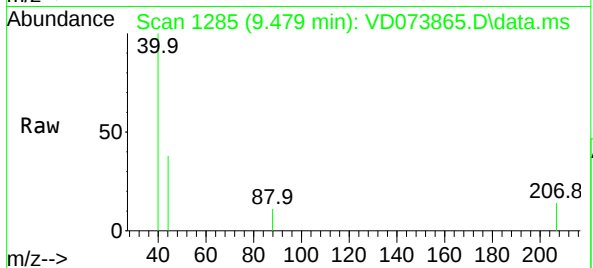
Acq: 19 Jul 2022 17:10

Instrument :

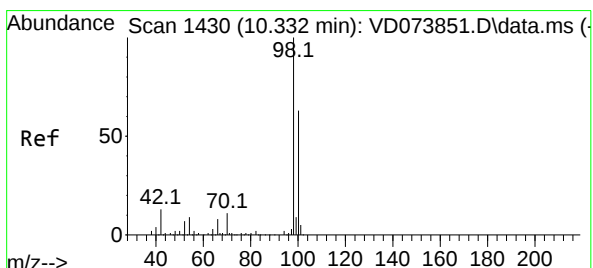
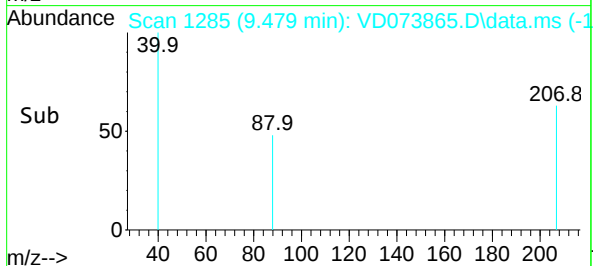
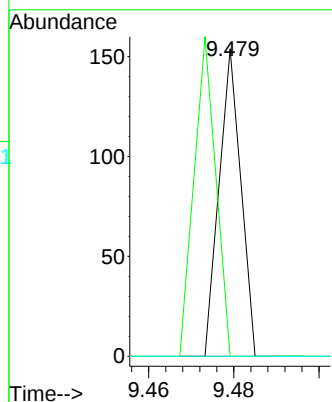
MSVOA_D

ClientSampleId :

OK-01-071522



Tgt Ion:	88	Resp:	54
Ion	Ratio	Lower	Upper
88	100		
43	103.7	31.0	46.4#
58	0.0	58.1	87.1#



#50

Toluene-d8

Concen: 48.571 ug/l

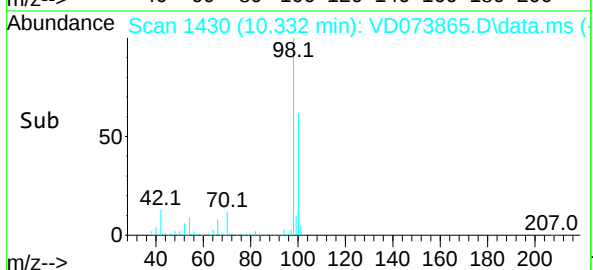
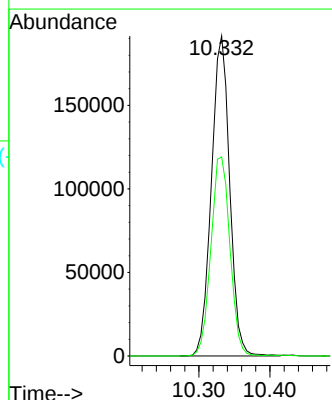
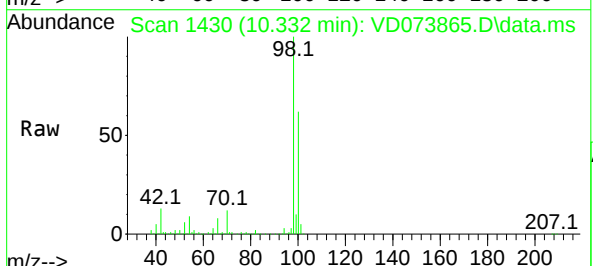
RT: 10.332 min Scan# 1430

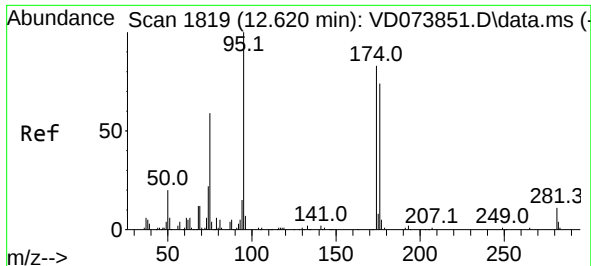
Delta R.T. 0.000 min

Lab File: VD073865.D

Acq: 19 Jul 2022 17:10

Tgt Ion:	98	Resp:	341429
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.4	78.6

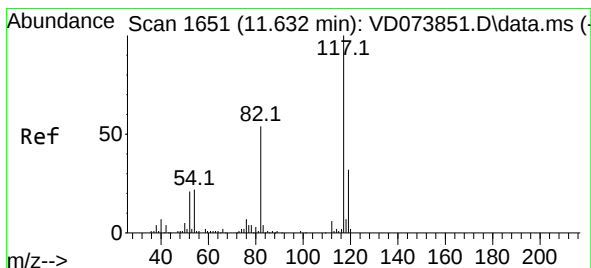
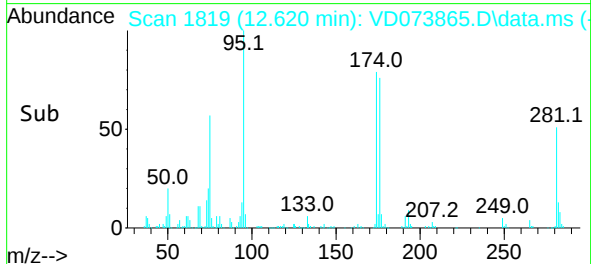
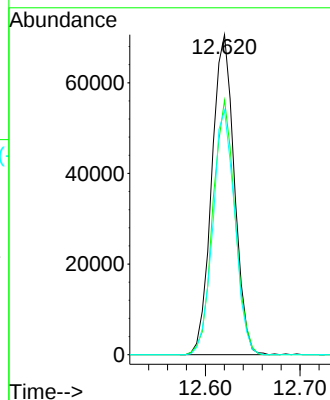
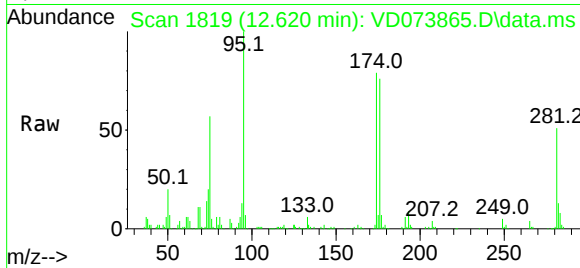




#62
4-Bromofluorobenzene
Concen: 48.280 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

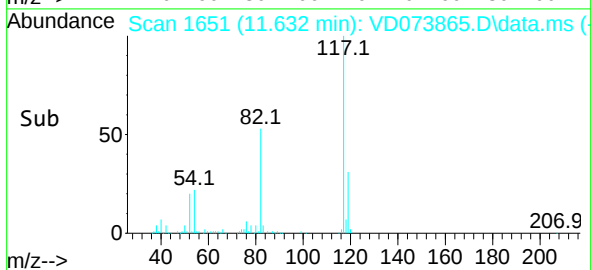
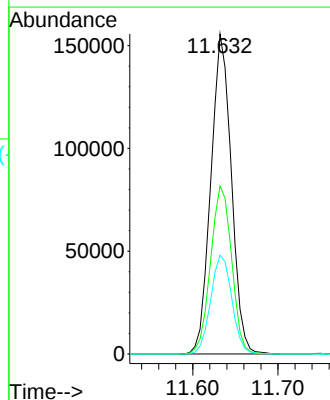
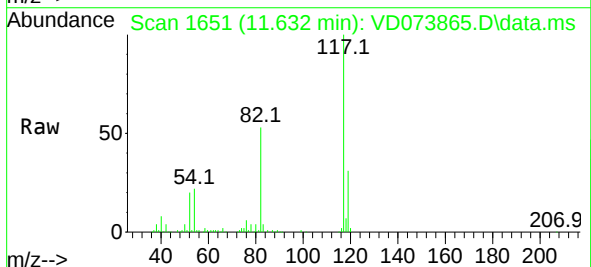
Instrument :
MSVOA_D
ClientSampleId :
OK-01-071522

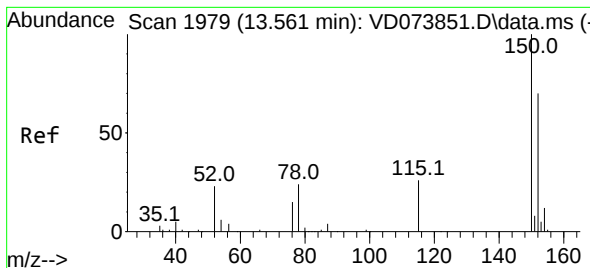
Tgt Ion: 95 Resp: 116686
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073865.D
Acq: 19 Jul 2022 17:10

Tgt Ion: 117 Resp: 260398
Ion Ratio Lower Upper
117 100
82 52.6 45.3 67.9
119 30.9 26.6 40.0

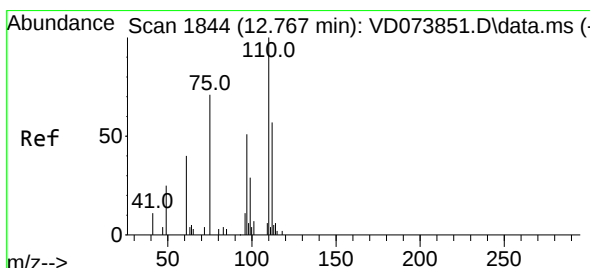
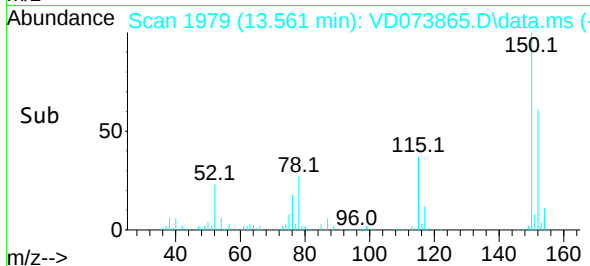
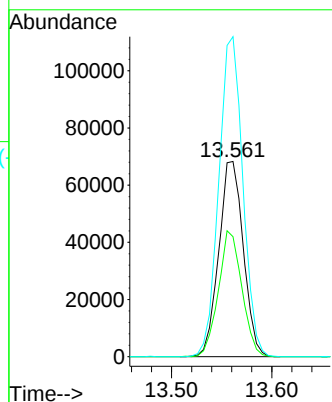
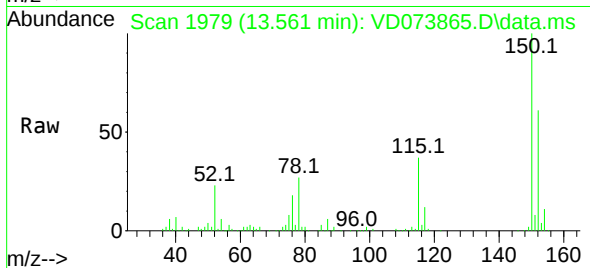




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073865.D
 Acq: 19 Jul 2022 17:10

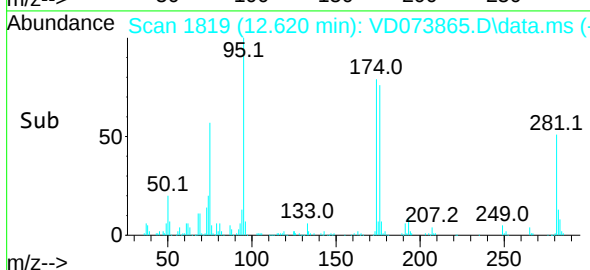
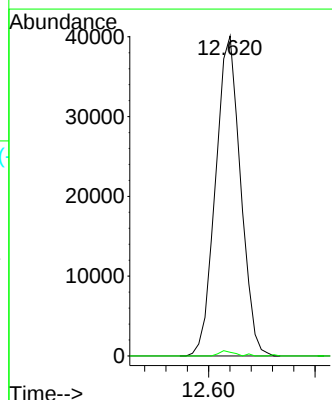
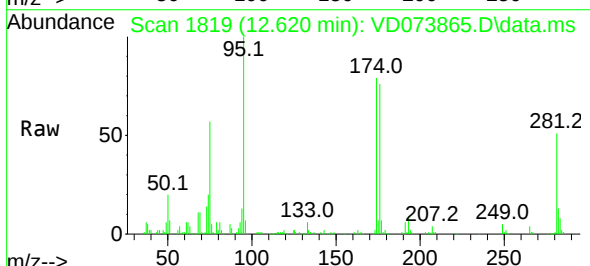
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-071522

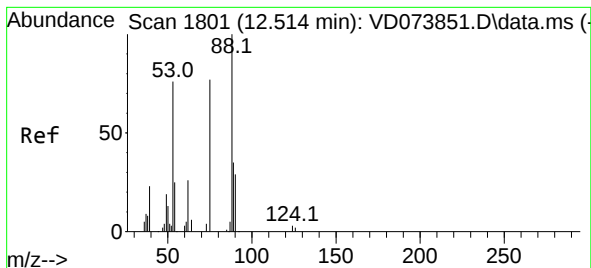
Tgt Ion:152 Resp: 116005
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.3 93.8
 150 160.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 52.455 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073865.D
 Acq: 19 Jul 2022 17:10

Tgt Ion: 75 Resp: 65290
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 141.546 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD073865.D

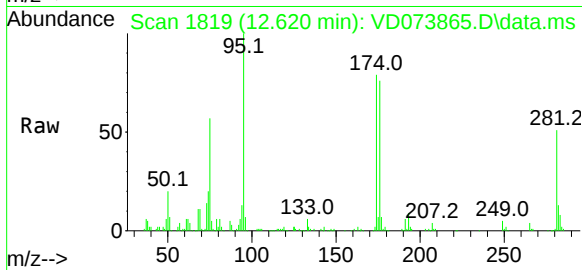
Acq: 19 Jul 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

OK-01-071522



Tgt Ion: 75 Resp: 65290

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.7 33.9 50.9#

