

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074157.D
 Acq On : 19 Aug 2022 19:24
 Operator : VA/SY
 Sample : N4227-11
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Aug 20 01:28:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

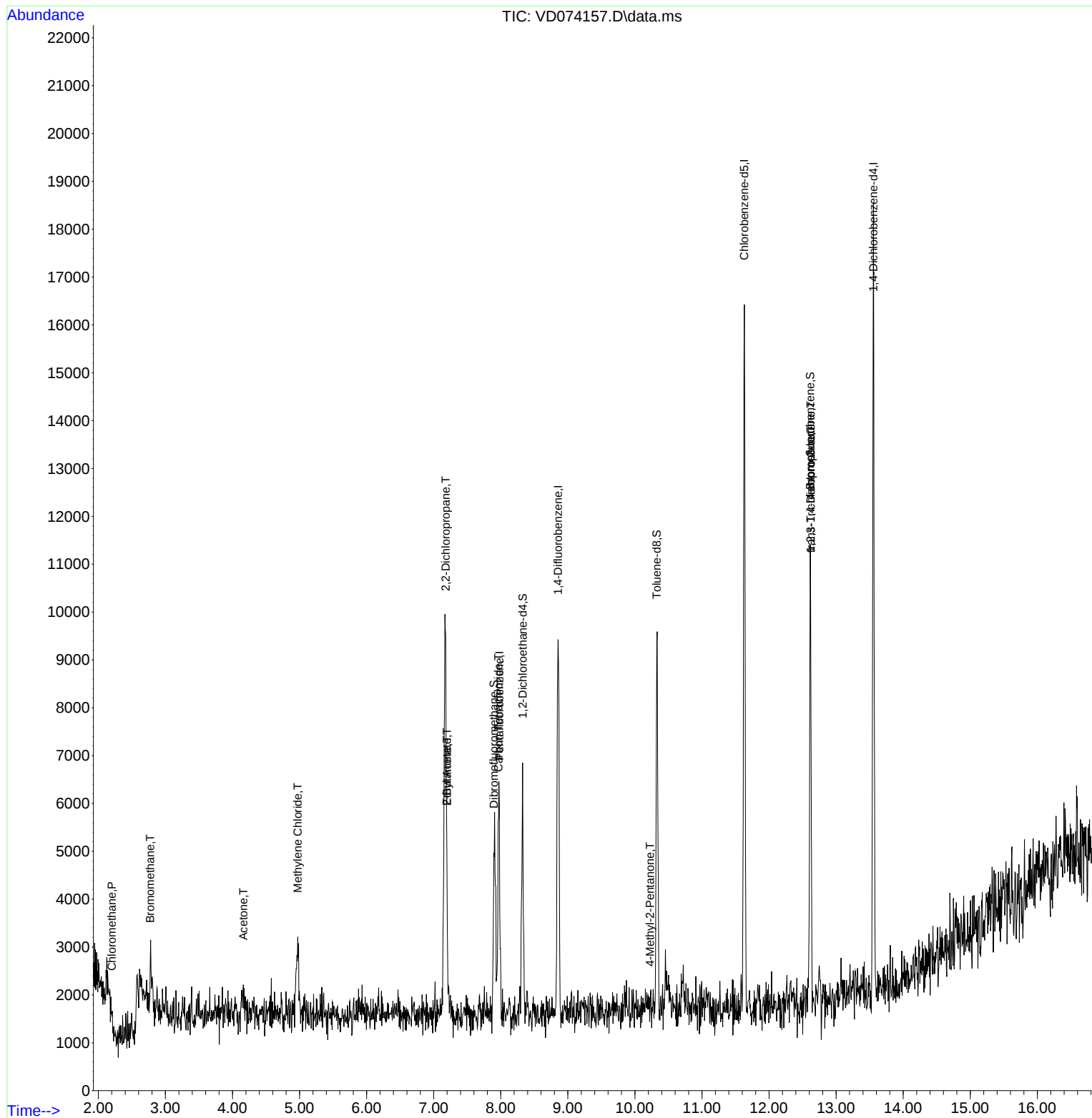
Internal Standards						
1) Pentafluorobenzene	7.979	168	4363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	8123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	9276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	4055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	3885	129.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 258.580%#	
35) Dibromofluoromethane	7.897	113	3318	86.351	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 172.700%#	
50) Toluene-d8	10.326	98	5963	54.070	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.140%	
62) 4-Bromofluorobenzene	12.614	95	3697	60.824	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 121.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	247	6.291	ug/l #	40
5) Bromomethane	2.773	94	283	12.825	ug/l	81
16) Acetone	4.162	43	675	71.810	ug/l #	47
20) Methylene Chloride	4.973	84	1183	9.795	ug/l #	60
25) 2-Butanone	7.197	43	164	10.693	ug/l #	52
26) 2,2-Dichloropropane	7.179	77	391	4.698	ug/l #	54
37) Ethyl Acetate	7.197	43	164	4.401	ug/l #	72
38) Carbon Tetrachloride	7.967	117	128	1.557	ug/l #	13
51) 4-Methyl-2-Pentanone	10.226	43	94	2.647	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	1649	39.268	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	1649	102.755	ug/l #	7

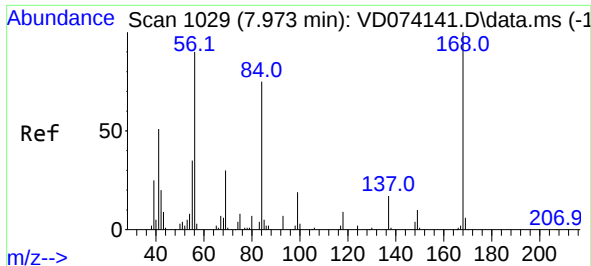
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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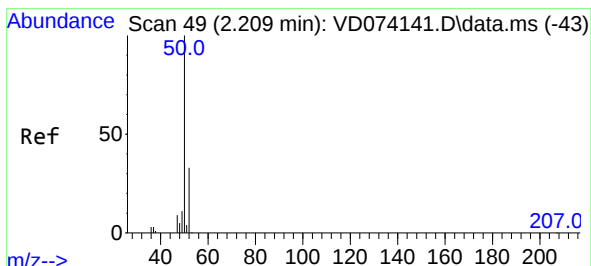
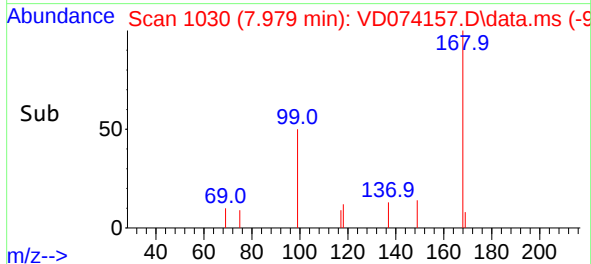
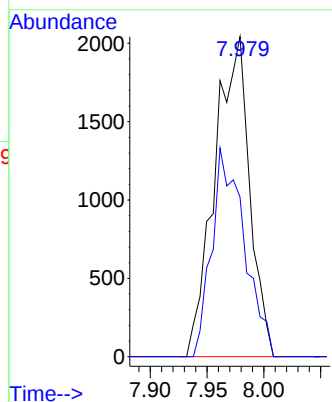
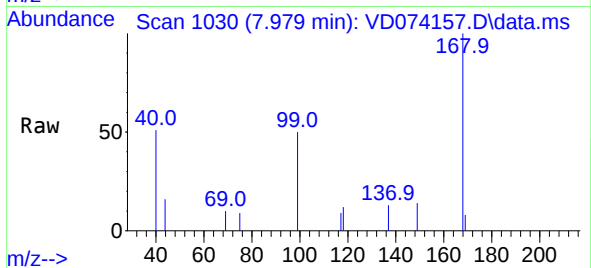




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

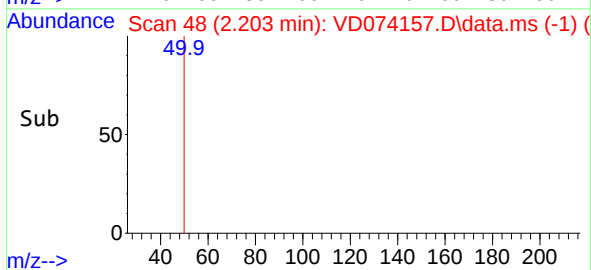
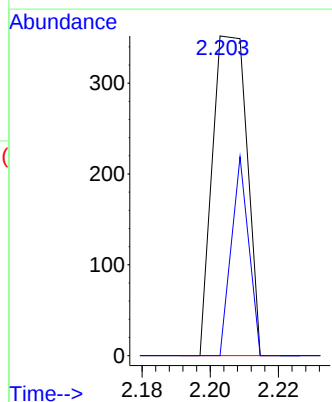
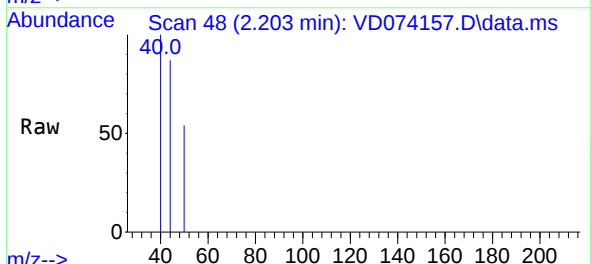
Instrument :
MSVOA_D
ClientSampleId :
SP-2

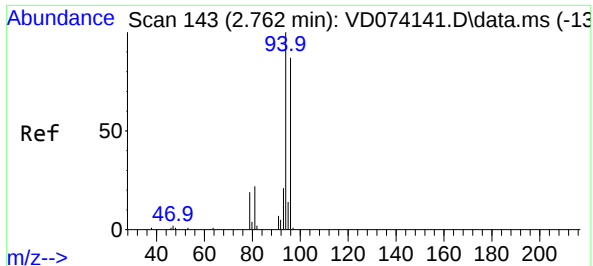
Tgt Ion:168 Resp: 4363
Ion Ratio Lower Upper
168 100
99 49.9 49.8 74.6



#3
Chloromethane
Concen: 6.291 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

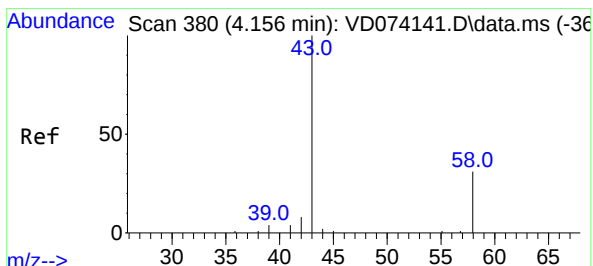
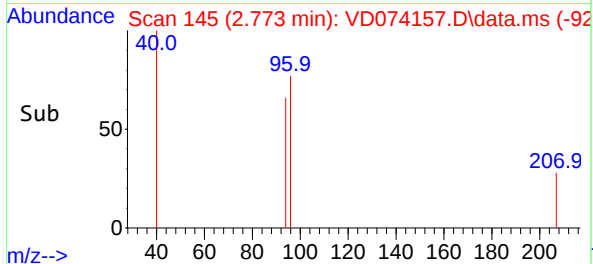
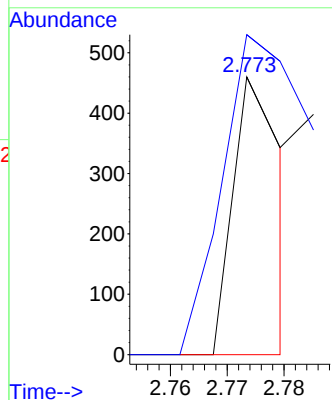
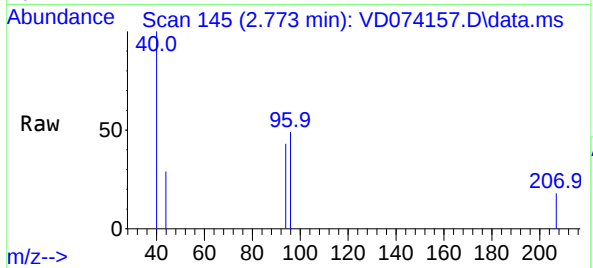




#5
Bromomethane
Concen: 12.825 ug/l
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

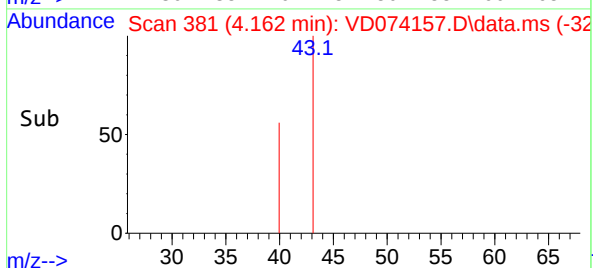
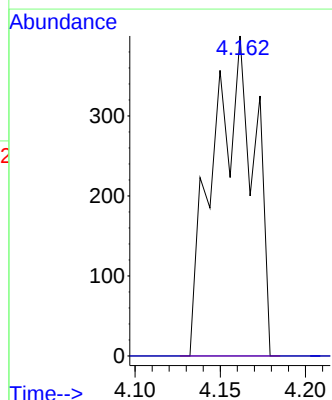
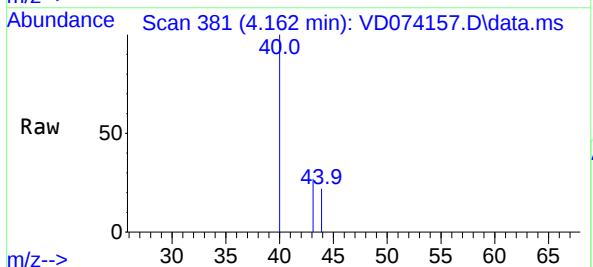
Instrument :
MSVOA_D
ClientSampleId :
SP-2

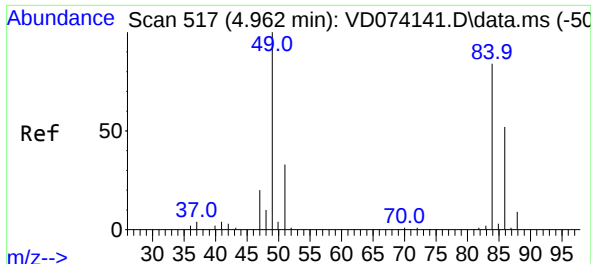
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 115.2 77.6 116.4



#16
Acetone
Concen: 71.810 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



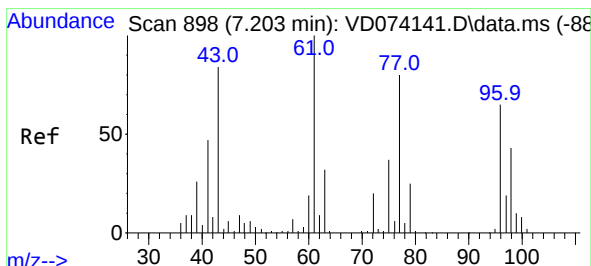
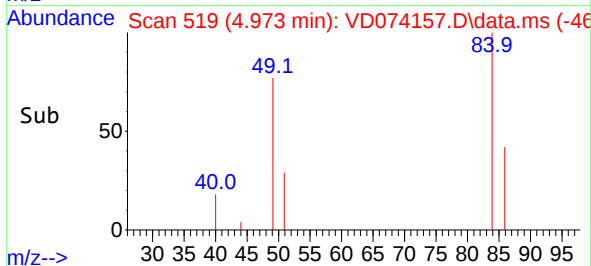
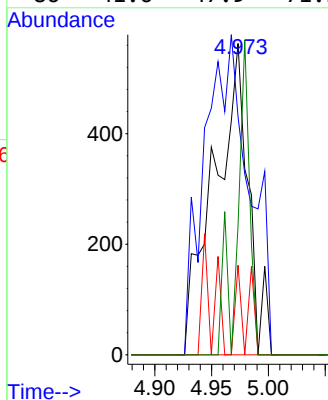
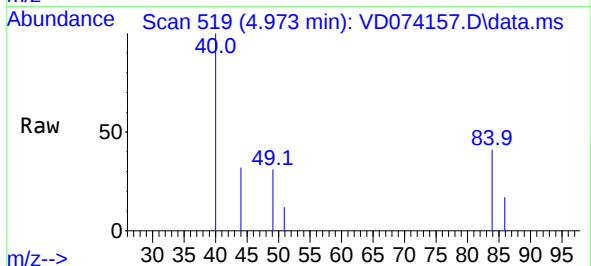


#20
Methylene Chloride
Concen: 9.795 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Instrument :
MSVOA_D
ClientSampleId :
SP-2

Tgt Ion: 84 Resp: 1183

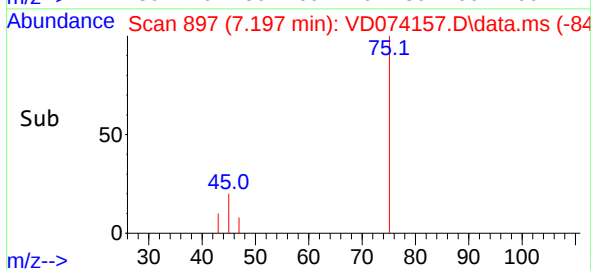
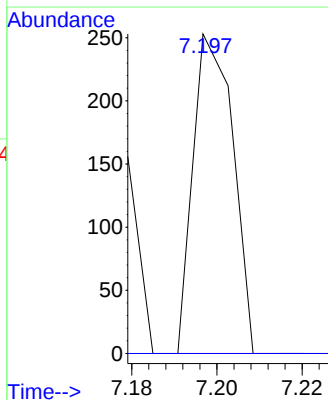
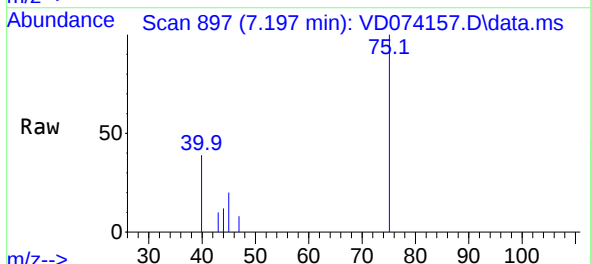
Ion	Ratio	Lower	Upper
84	100		
49	76.6	112.8	169.2#
51	28.8	32.6	48.8#
86	41.6	47.9	71.9#

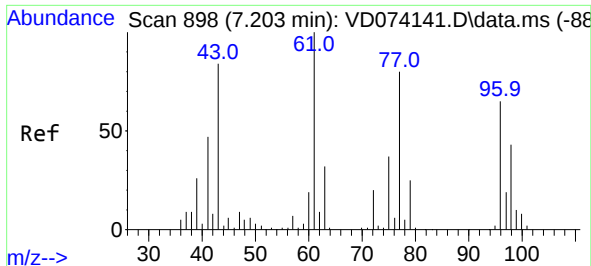


#25
2-Butanone
Concen: 10.693 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 43 Resp: 164

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 4.698 ug/l

RT: 7.179 min Scan# 89

Delta R.T. -0.024 min

Lab File: VD074157.D

Acq: 19 Aug 2022 19:24

Instrument :

MSVOA_D

ClientSampleId :

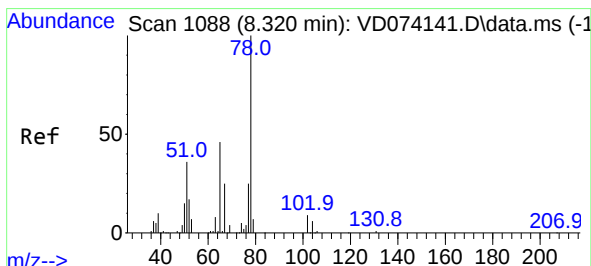
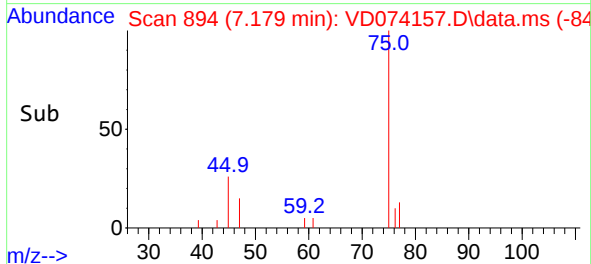
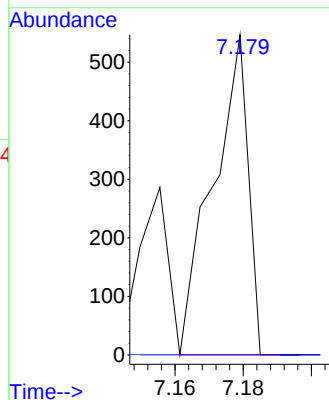
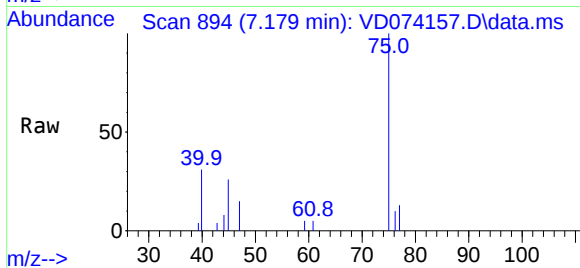
SP-2

Tgt Ion: 77 Resp: 391

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#33

1,2-Dichloroethane-d4

Concen: 129.286 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD074157.D

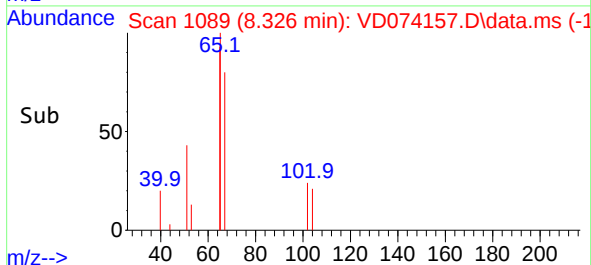
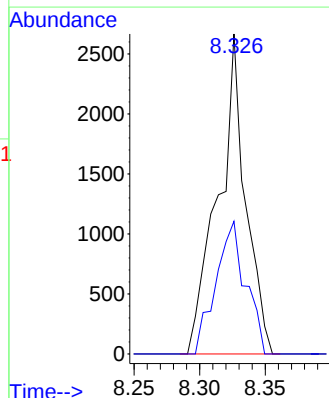
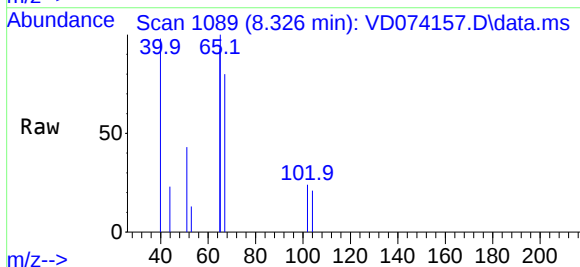
Acq: 19 Aug 2022 19:24

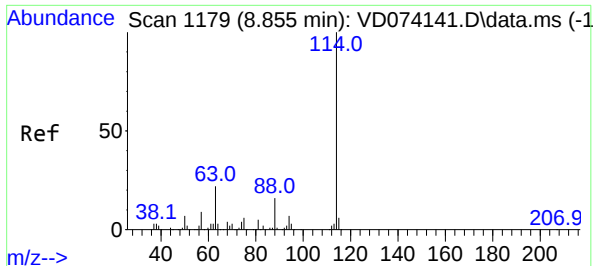
Tgt Ion: 65 Resp: 3885

Ion Ratio Lower Upper

65 100

67 44.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD074157.D

Acq: 19 Aug 2022 19:24

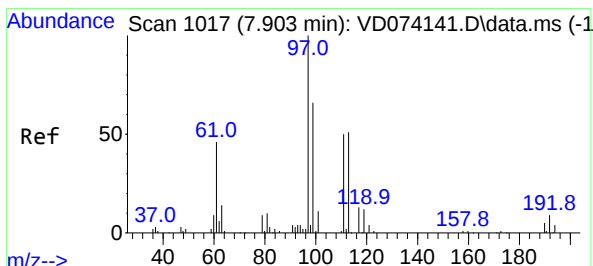
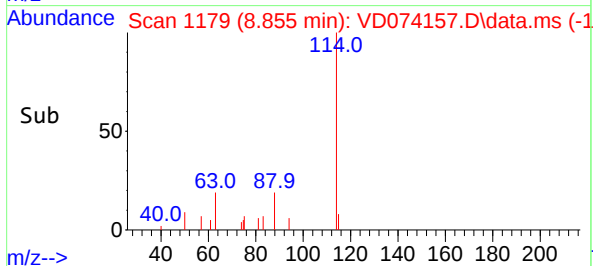
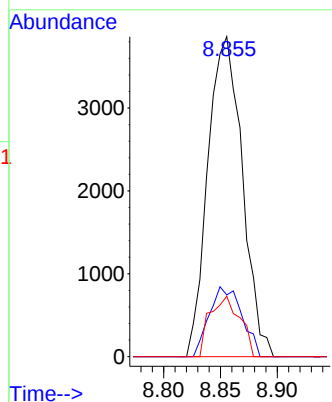
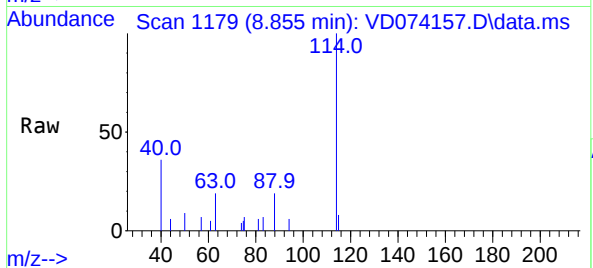
Instrument :

MSVOA_D

ClientSampleId :

SP-2

Tgt Ion:	114	Resp:	8123
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	46.6
88	18.9	0.0	33.2



#35

Dibromofluoromethane

Concen: 86.351 ug/l

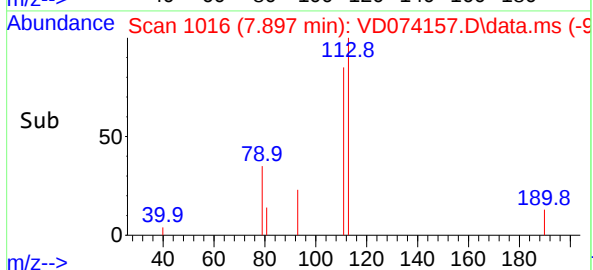
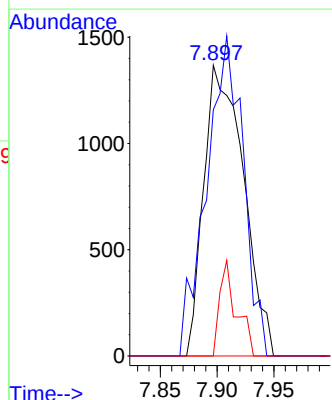
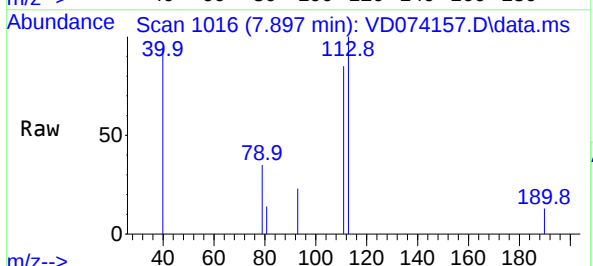
RT: 7.897 min Scan# 1016

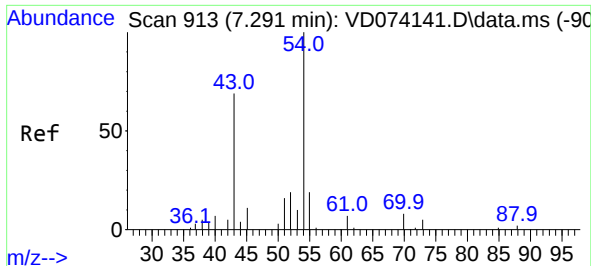
Delta R.T. -0.006 min

Lab File: VD074157.D

Acq: 19 Aug 2022 19:24

Tgt Ion:	113	Resp:	3318
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	13.9	14.6	21.8

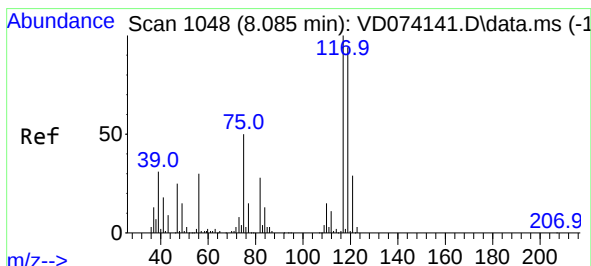
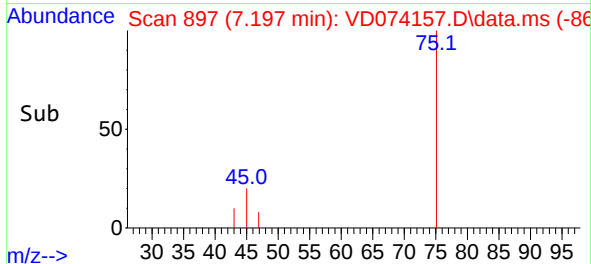
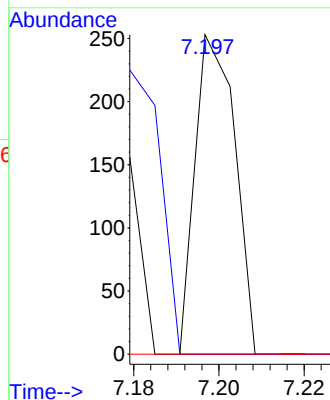
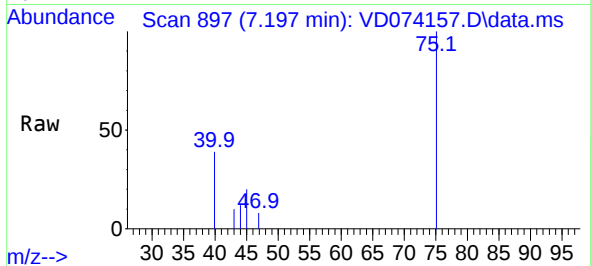




#37
Ethyl Acetate
Concen: 4.401 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.094 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

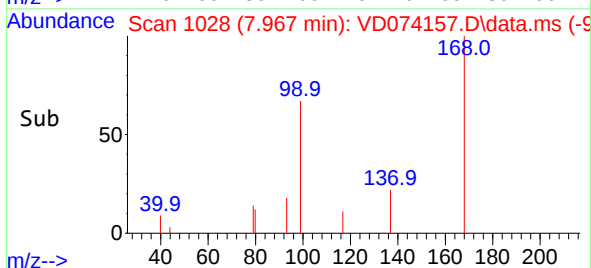
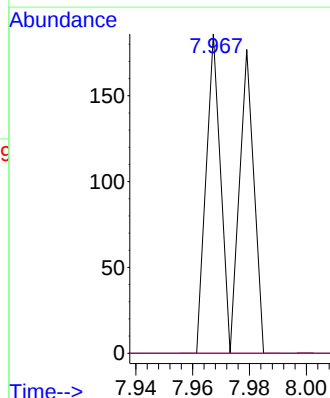
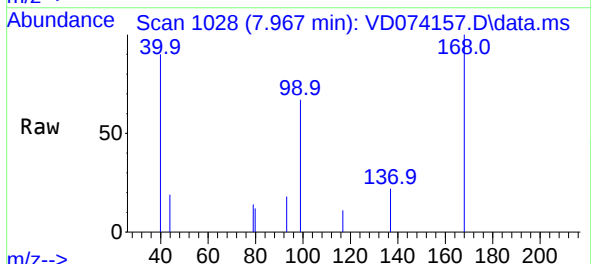
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MSVOA_D
ClientSampleId :
SP-2

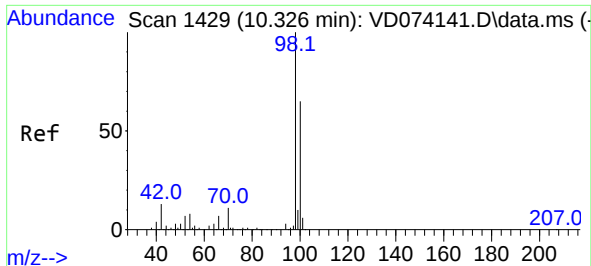
Tgt Ion: 43	Resp:	164
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#



#38
Carbon Tetrachloride
Concen: 1.557 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.118 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 117	Resp:	128
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#

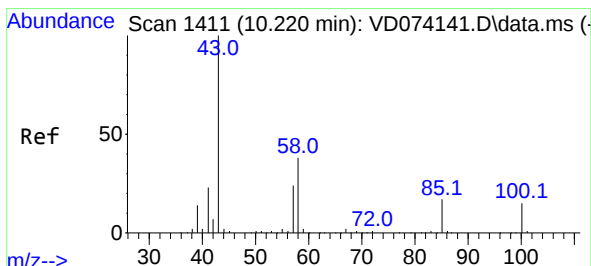
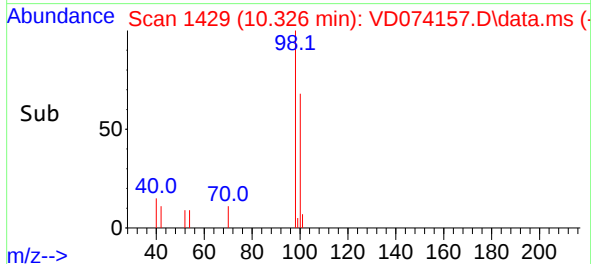
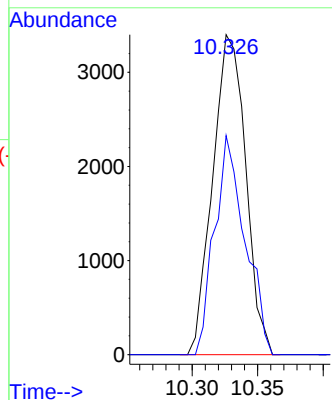
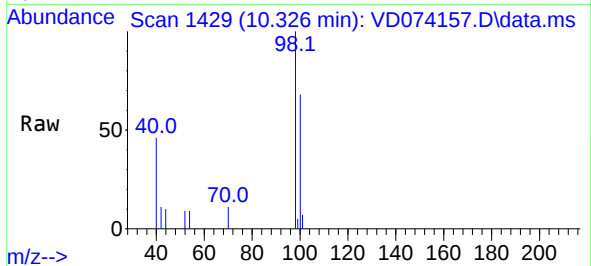




#50
Toluene-d8
Concen: 54.070 ug/l
RT: 10.326 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

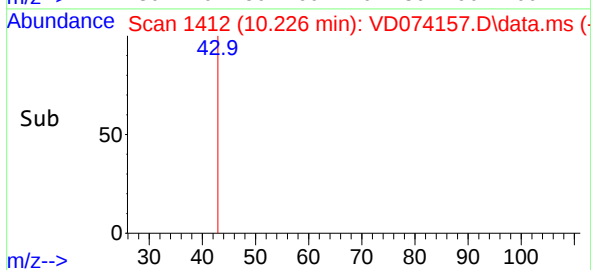
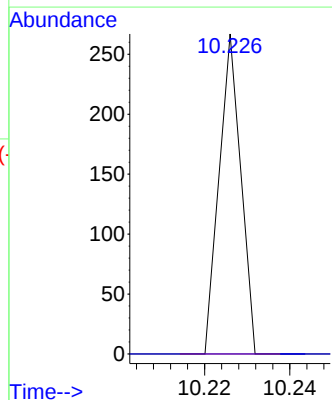
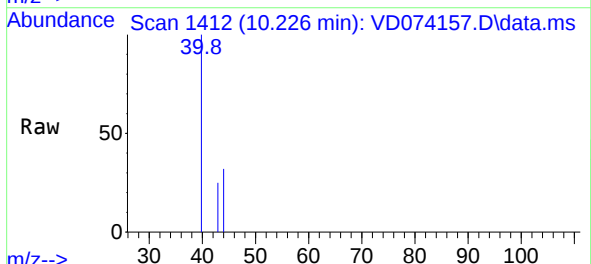
Instrument :
MSVOA_D
ClientSampleId :
SP-2

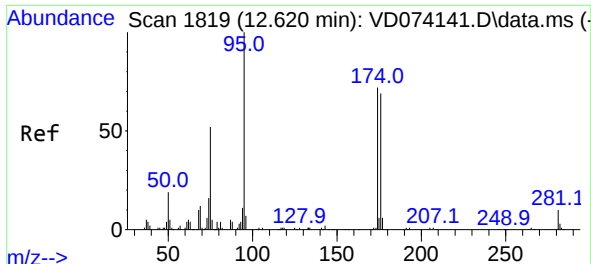
Tgt Ion: 98 Resp: 5963
Ion Ratio Lower Upper
98 100
100 63.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.647 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

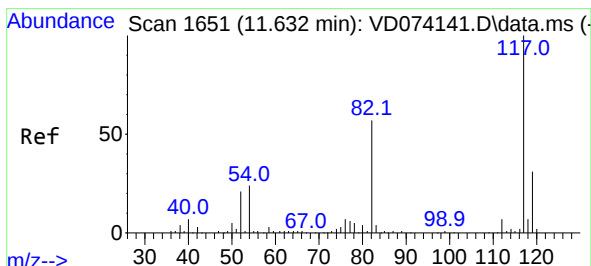
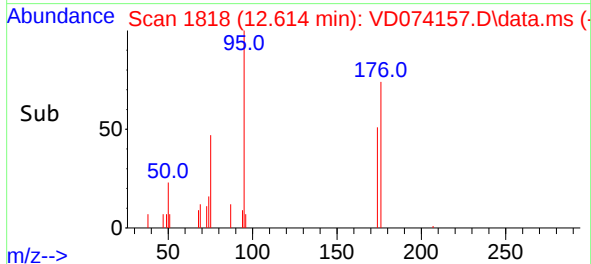
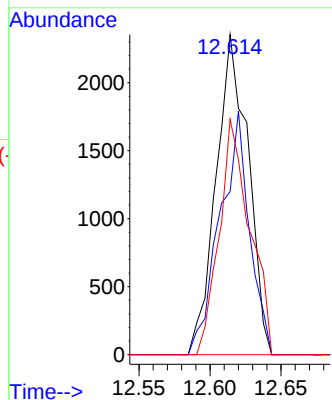
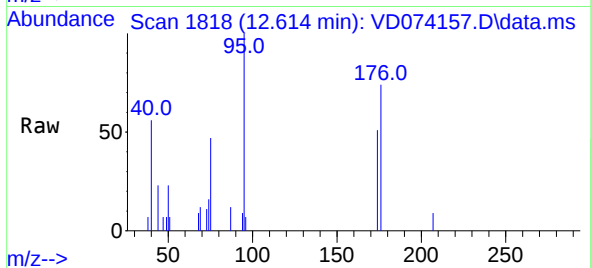




#62
4-Bromofluorobenzene
Concen: 60.824 ug/l
RT: 12.614 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

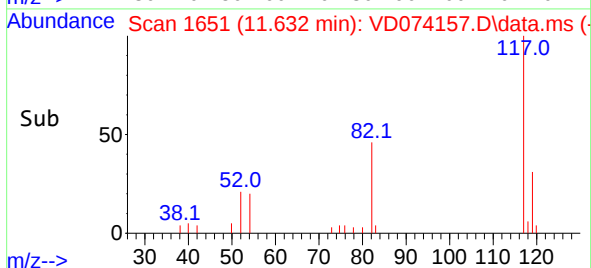
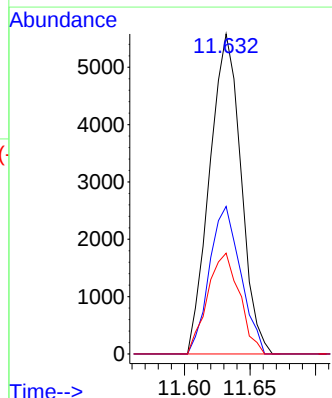
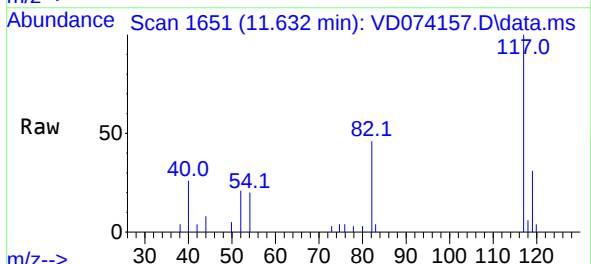
Instrument :
MSVOA_D
ClientSampleId :
SP-2

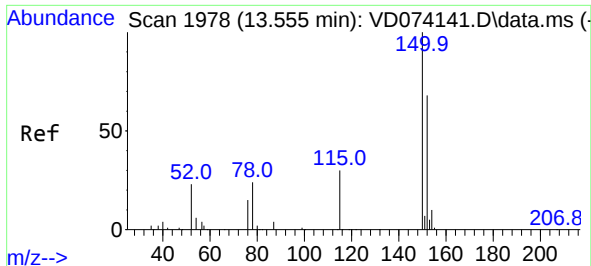
Tgt Ion: 95	Resp:	3697
Ion Ratio	Lower	Upper
95	100	
174	69.8	0.0 152.8
176	70.1	0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 117	Resp:	9276
Ion Ratio	Lower	Upper
117	100	
82	46.1	45.3 67.9
119	31.5	26.6 40.0

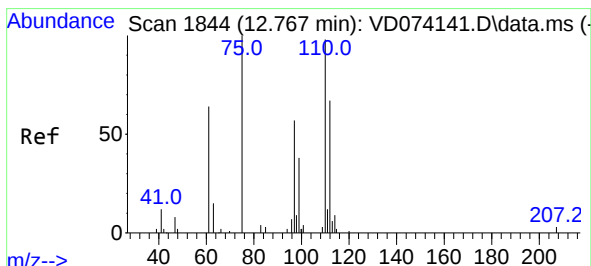
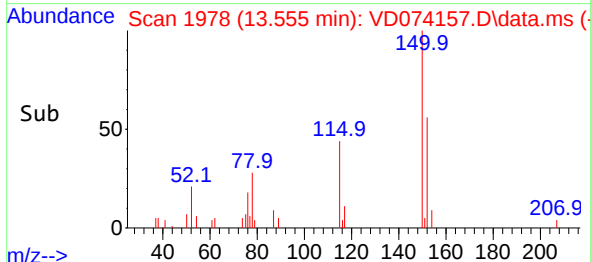
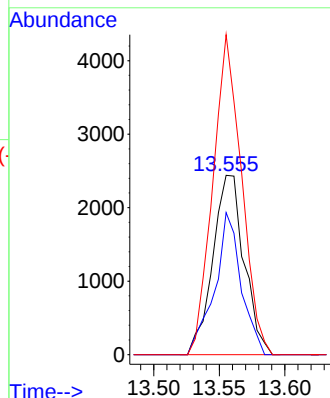
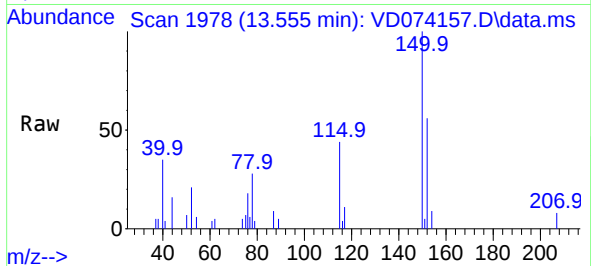




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

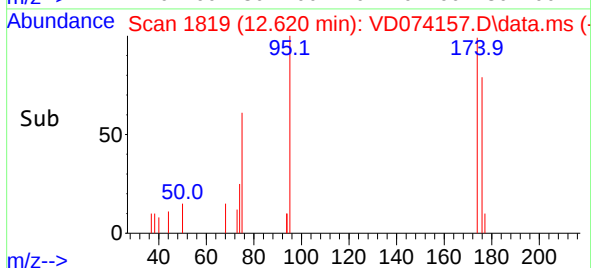
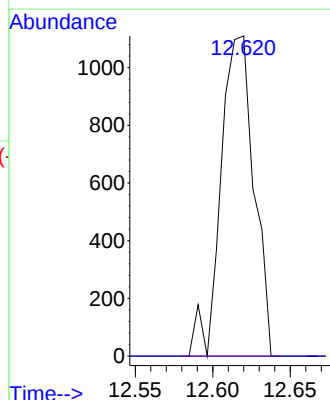
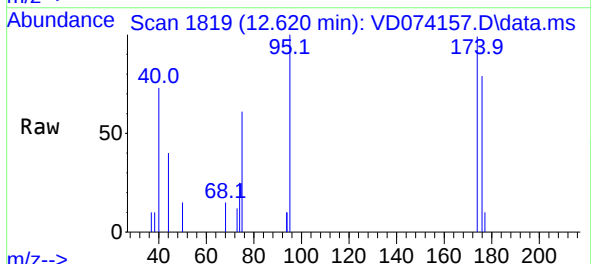
Instrument :
MSVOA_D
ClientSampleId :
SP-2

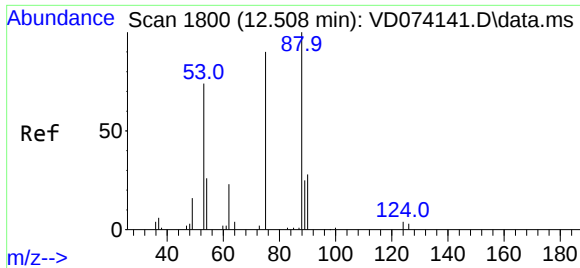
Tgt Ion:152 Resp: 4055
Ion Ratio Lower Upper
152 100
115 66.9 31.3 93.8
150 163.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 39.268 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074157.D
Acq: 19 Aug 2022 19:24

Tgt Ion: 75 Resp: 1649
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.755 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD074157.D
 Acq: 19 Aug 2022 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Tgt Ion: 75 Resp: 1649
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

