

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073924.D
 Acq On : 02 Aug 2022 13:58
 Operator : VA/SY
 Sample : N3989-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-04-080122

Quant Time: Aug 03 04:12:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

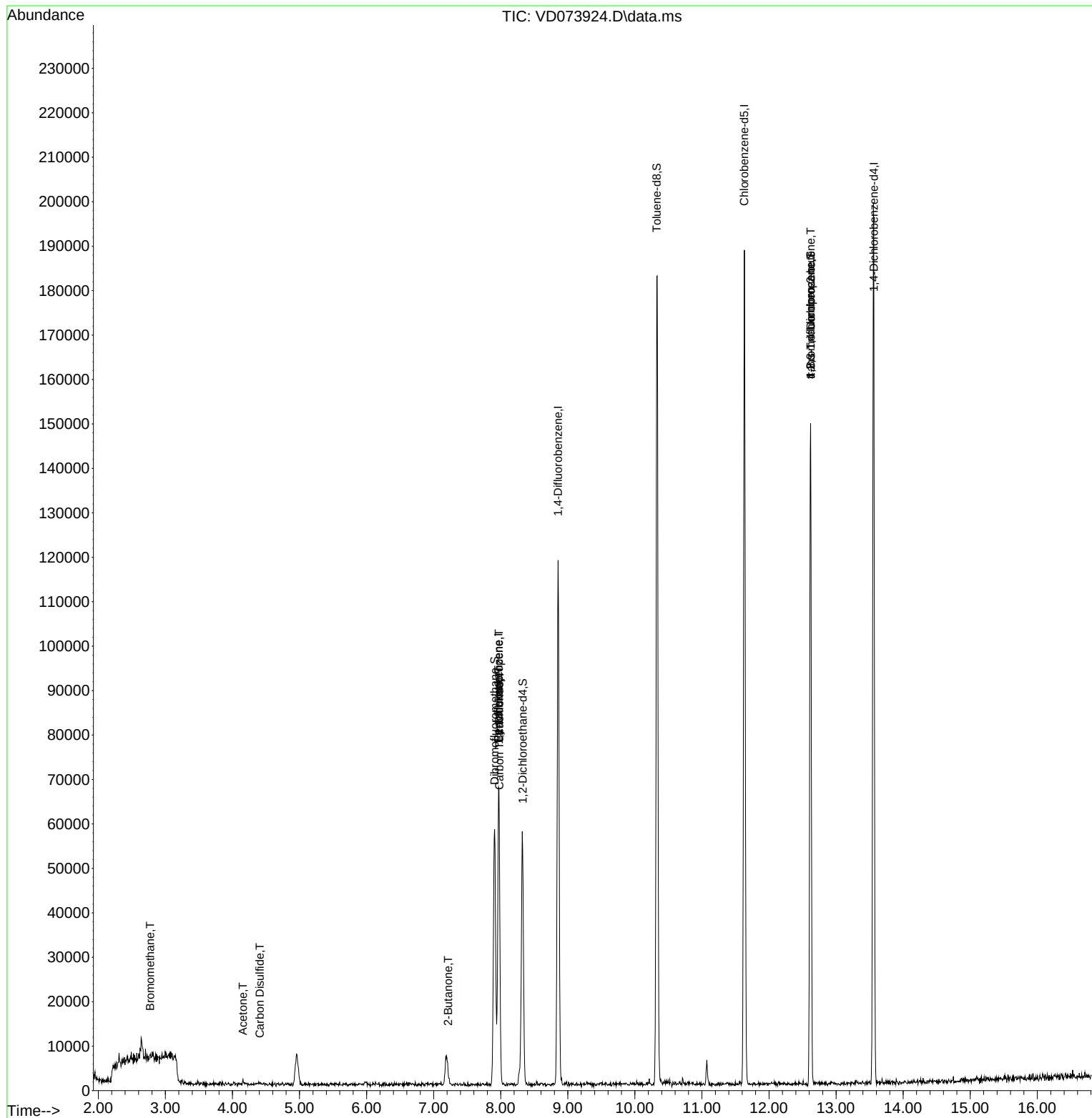
Internal Standards						
1) Pentafluorobenzene	7.967	168	48135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	98635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	103732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	50954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	43389	115.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 231.220%#			
35) Dibromofluoromethane	7.909	113	39568	64.565	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.140%			
50) Toluene-d8	10.326	98	125572	60.830	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 121.660%			
62) 4-Bromofluorobenzene	12.620	95	47482	62.547	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	773	1.451	ug/l #	80
11) Tert butyl alcohol	5.173	59	68	Below Cal	#	75
16) Acetone	4.156	43	1591	24.896	ug/l	93
17) Carbon Disulfide	4.409	76	641	2.241	ug/l #	75
18) Methyl Acetate	4.962	43	94	Below Cal	#	48
20) Methylene Chloride	4.950	84	5646	Below Cal	#	74
25) 2-Butanone	7.214	43	226	1.924	ug/l #	46
31) Cyclohexane	7.967	56	1308	1.755	ug/l #	68
36) 1,1-Dichloropropene	7.973	75	4393	5.033	ug/l #	43
38) Carbon Tetrachloride	7.979	117	5111	5.227	ug/l #	11
76) 1,2,3-Trichloropropane	12.620	75	26627	70.516	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	26627	149.923	ug/l #	13

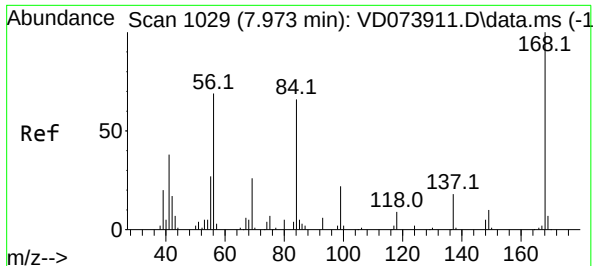
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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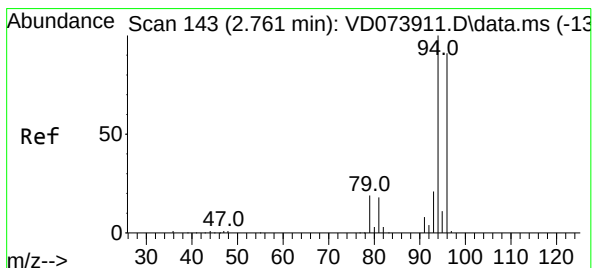
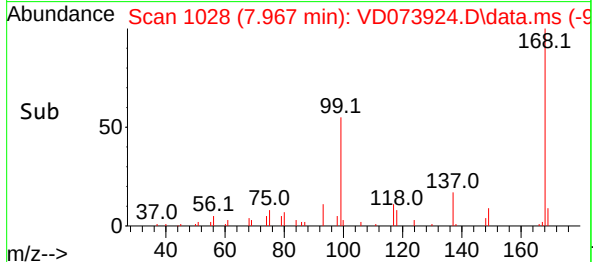
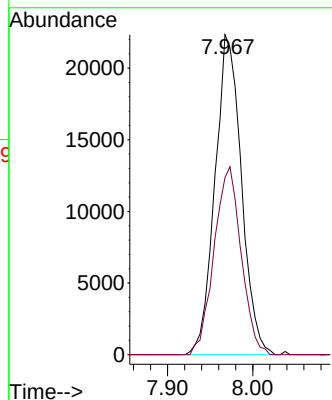
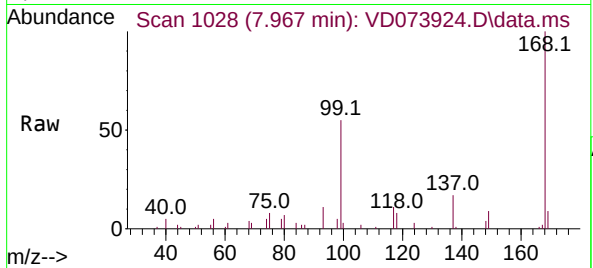




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

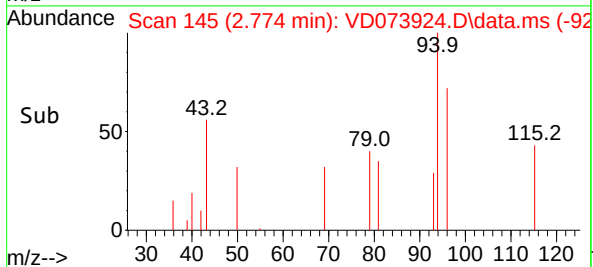
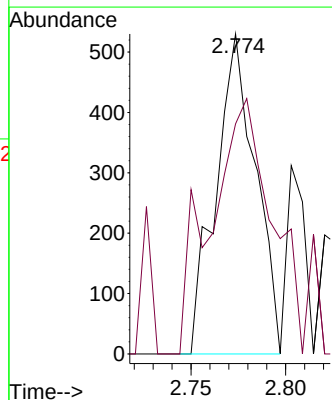
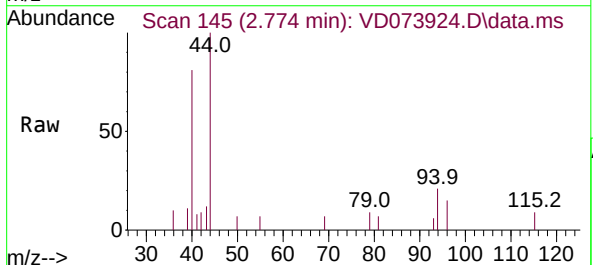
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

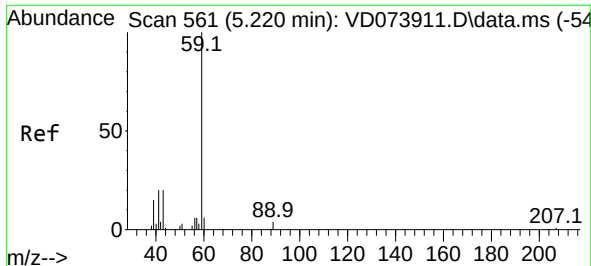
Tgt Ion:168 Resp: 48135
Ion Ratio Lower Upper
168 100
99 55.3 52.2 78.4



#5
Bromomethane
Concen: 1.451 ug/l
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion: 94 Resp: 773
Ion Ratio Lower Upper
94 100
96 71.9 72.7 109.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.173 min Scan# 51

Delta R.T. -0.047 min

Lab File: VD073924.D

Acq: 02 Aug 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

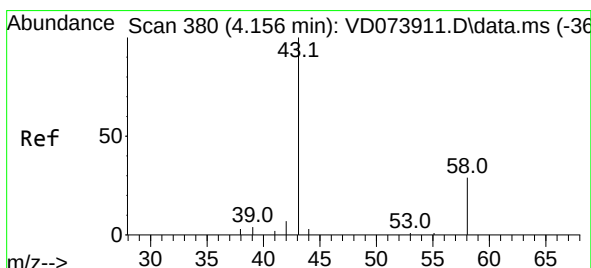
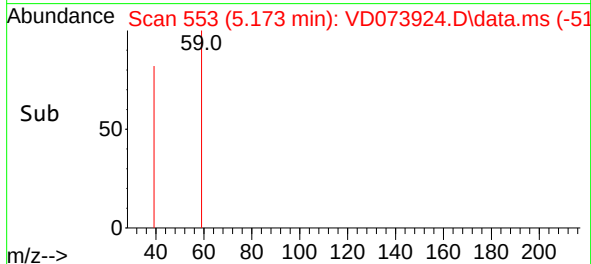
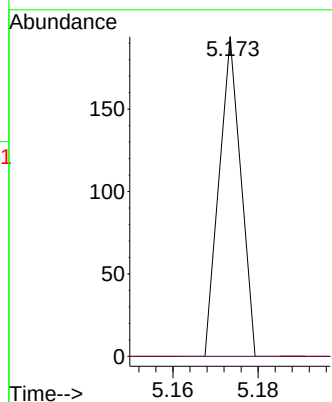
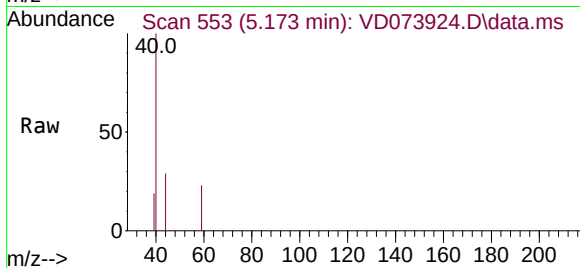
OK-04-080122

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 24.896 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073924.D

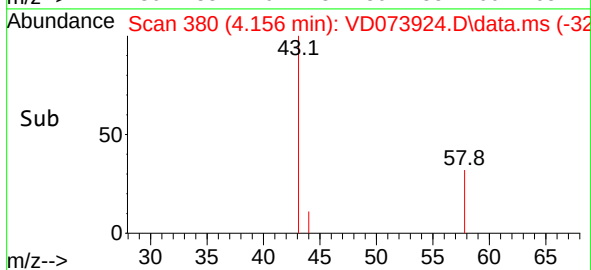
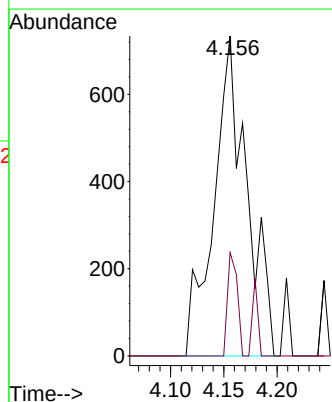
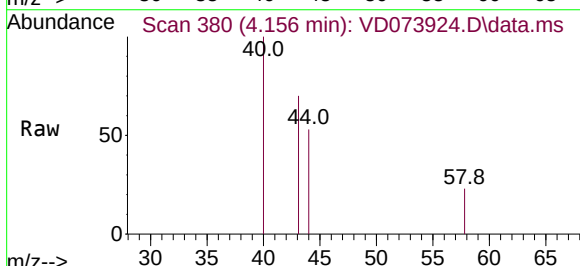
Acq: 02 Aug 2022 13:58

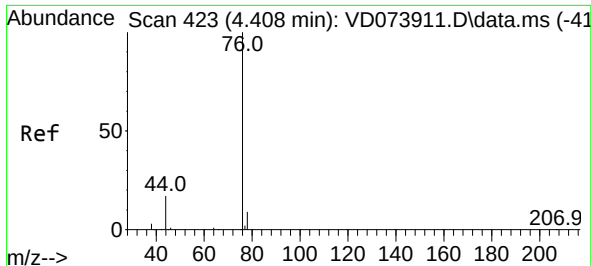
Tgt Ion: 43 Resp: 1591

Ion Ratio Lower Upper

43 100

58 32.3 23.0 34.6

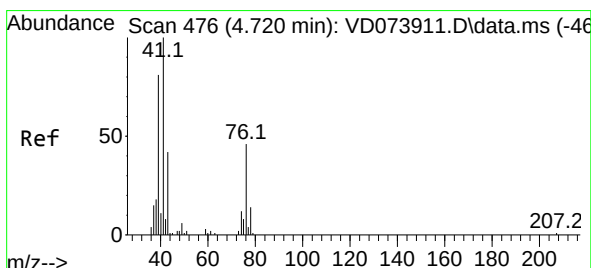
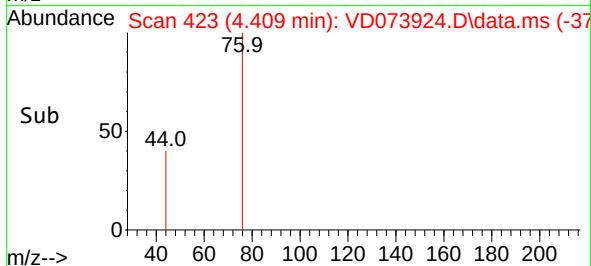
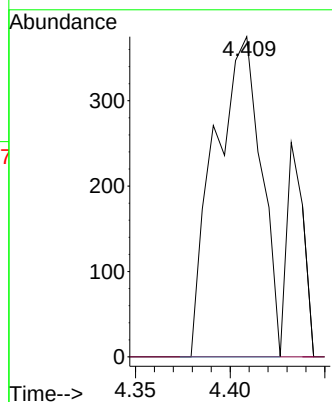
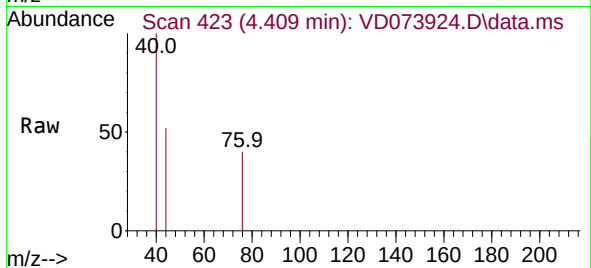




#17
Carbon Disulfide
Concen: 2.241 ug/l
RT: 4.409 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

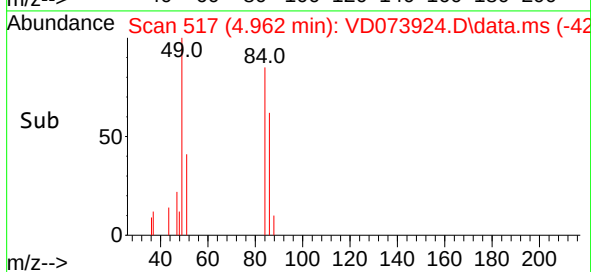
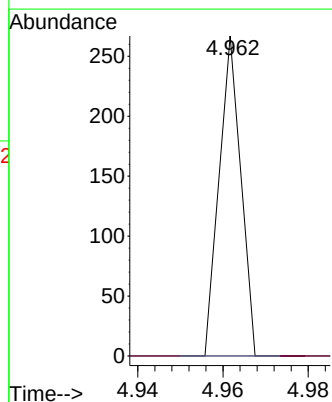
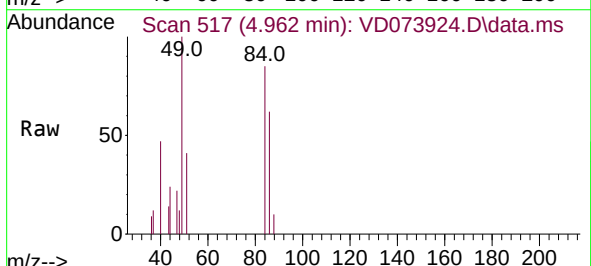
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

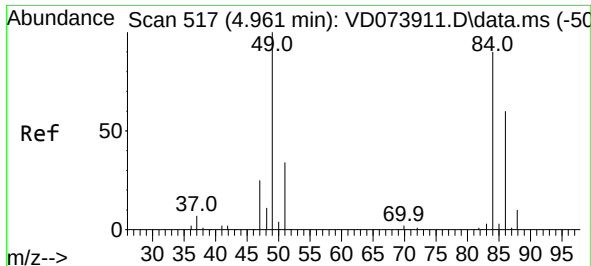
Tgt Ion: 76 Resp: 641
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.242 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 51

Delta R.T. -0.011 min

Lab File: VD073924.D

Acq: 02 Aug 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

OK-04-080122

Tgt Ion: 84 Resp: 5646

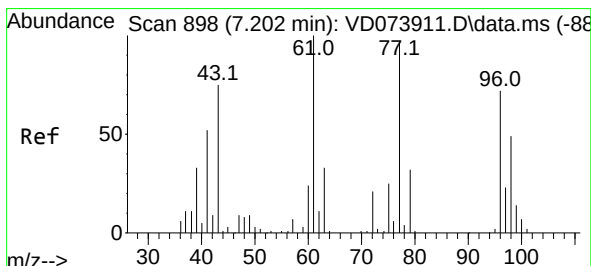
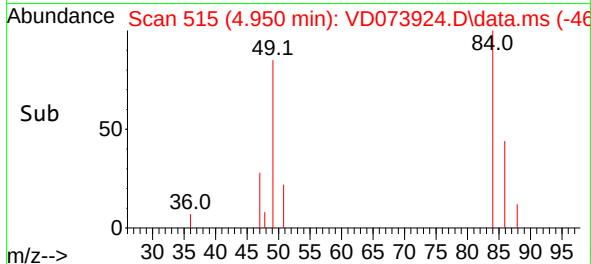
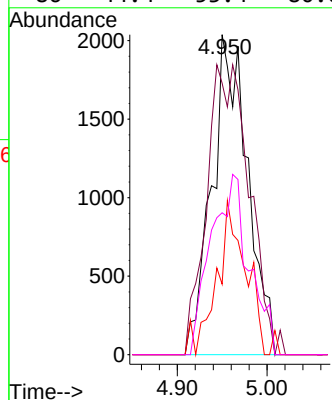
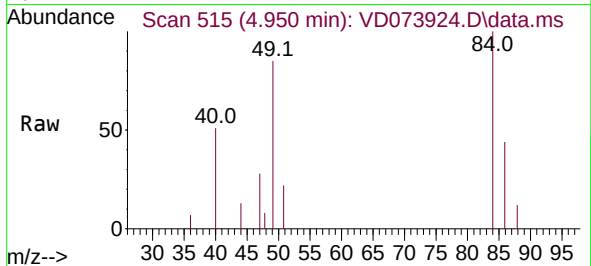
Ion Ratio Lower Upper

84 100

49 84.8 89.1 133.7#

51 22.1 29.8 44.8#

86 44.4 53.4 80.0#



#25

2-Butanone

Concen: 1.924 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.012 min

Lab File: VD073924.D

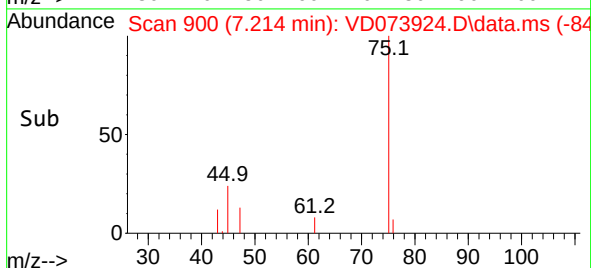
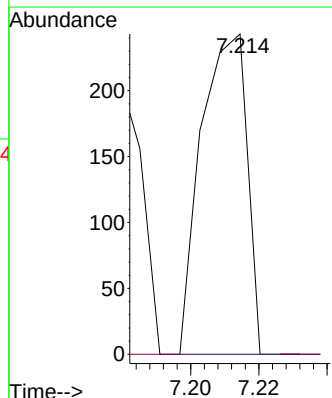
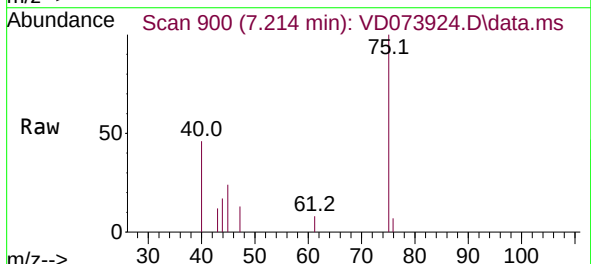
Acq: 02 Aug 2022 13:58

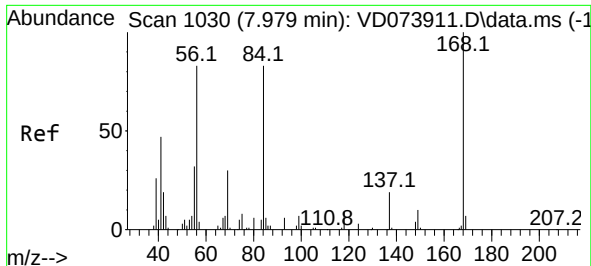
Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#





#31

Cyclohexane

Concen: 1.755 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.011 min

Lab File: VD073924.D

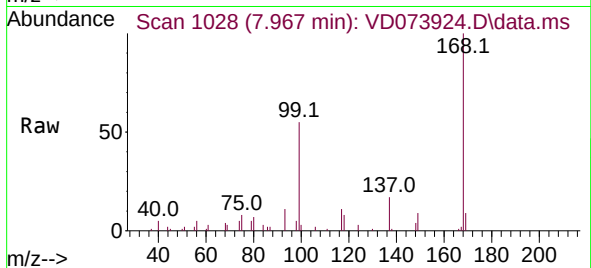
Acq: 02 Aug 2022 13:58

Instrument :

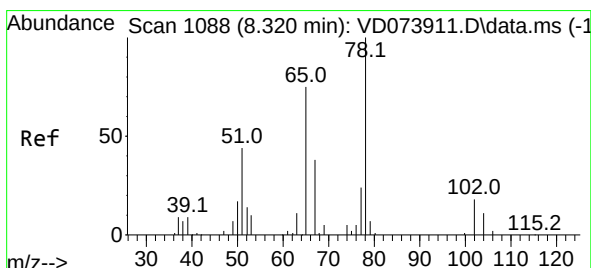
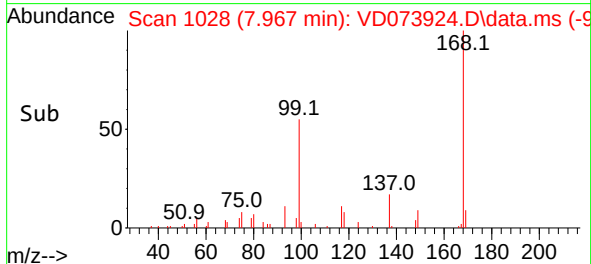
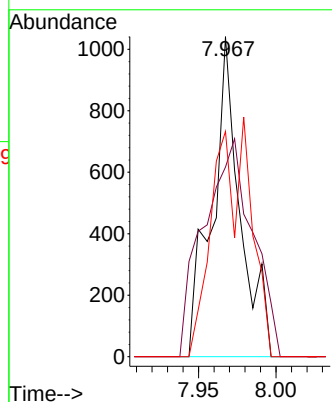
MSVOA_D

ClientSampleId :

OK-04-080122



Tgt Ion:	56	Resp:	1308
Ion	Ratio	Lower	Upper
56	100		
69	59.3	29.2	43.8#
84	70.4	80.0	120.0#



#33

1,2-Dichloroethane-d4

Concen: 115.614 ug/l

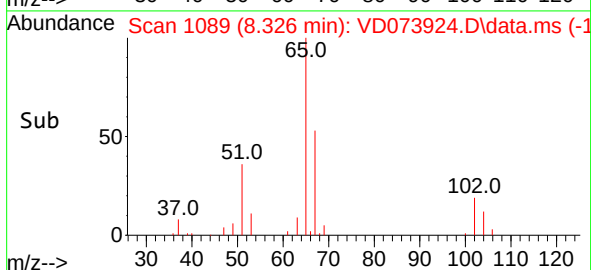
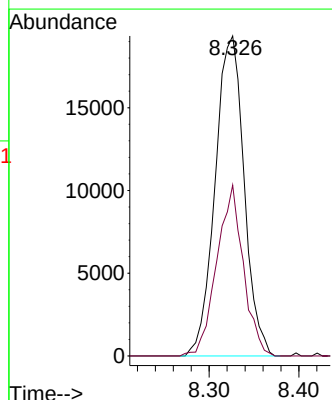
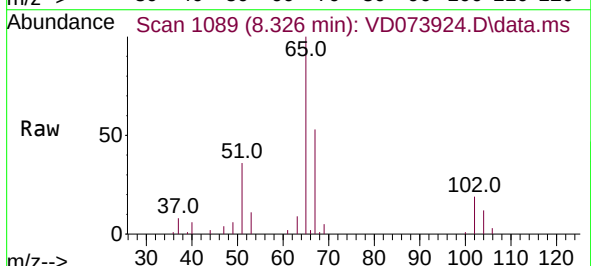
RT: 8.326 min Scan# 1089

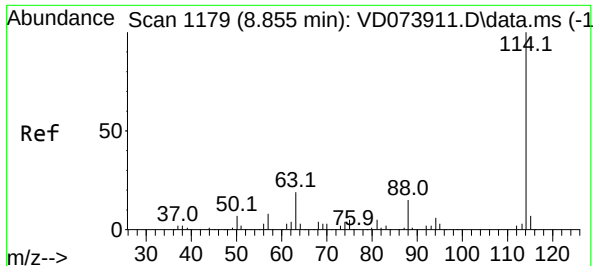
Delta R.T. 0.006 min

Lab File: VD073924.D

Acq: 02 Aug 2022 13:58

Tgt Ion:	65	Resp:	43389
Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073924.D

Acq: 02 Aug 2022 13:58

Instrument :

MSVOA_D

ClientSampleId :

OK-04-080122

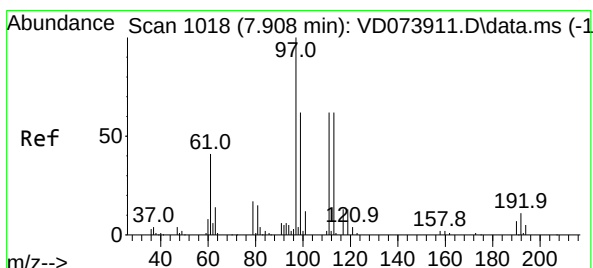
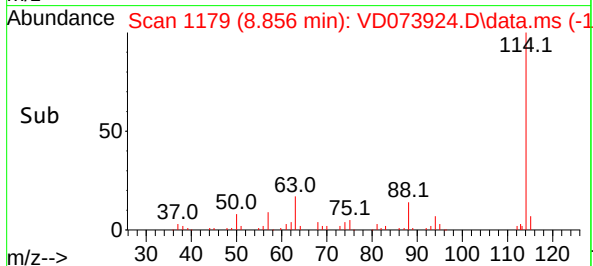
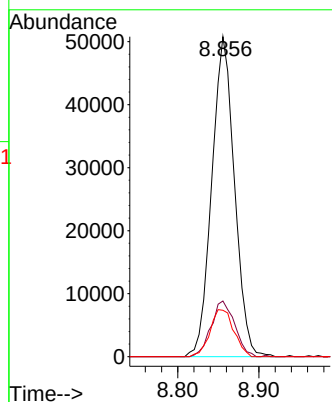
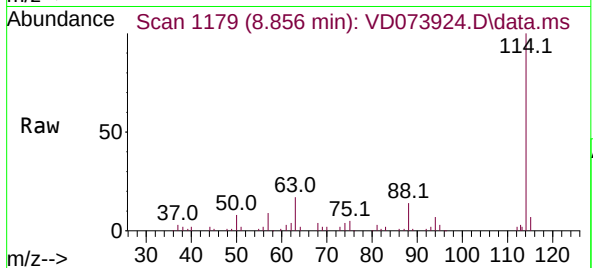
Tgt Ion:114 Resp: 98635

Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.6

88 14.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 64.565 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073924.D

Acq: 02 Aug 2022 13:58

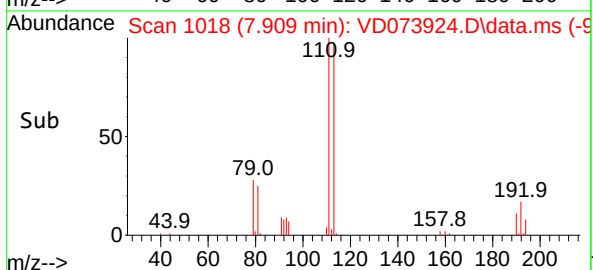
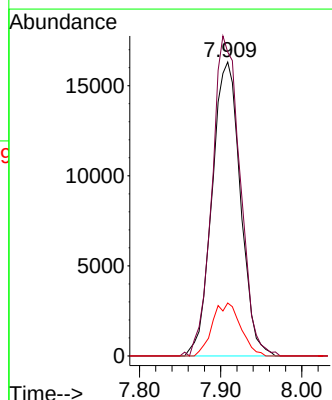
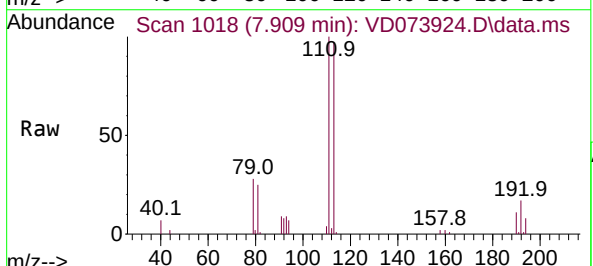
Tgt Ion:113 Resp: 39568

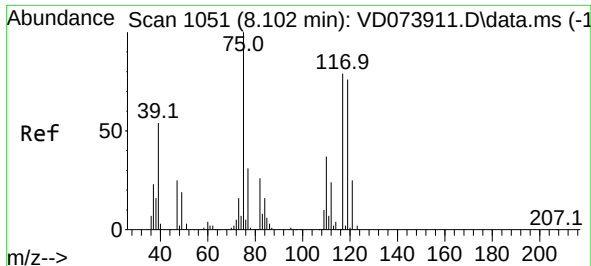
Ion Ratio Lower Upper

113 100

111 107.7 83.7 125.5

192 18.0 15.0 22.6

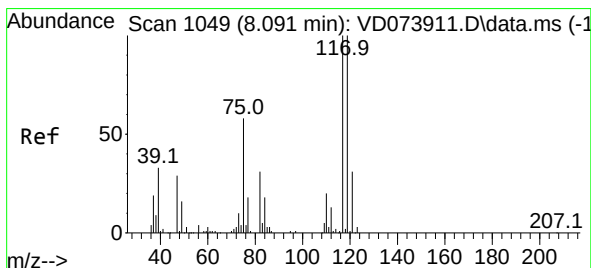
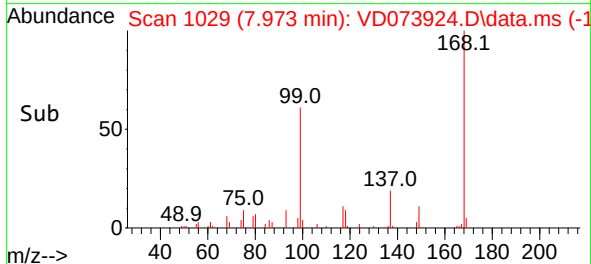
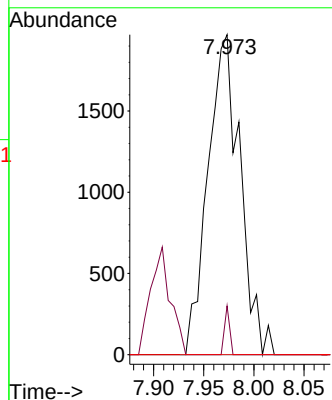
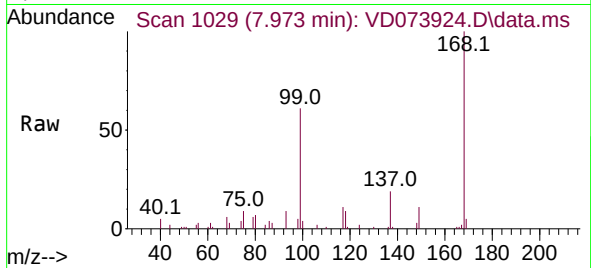




#36
1,1-Dichloropropene
Concen: 5.033 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

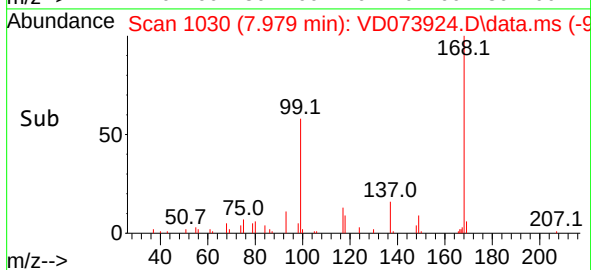
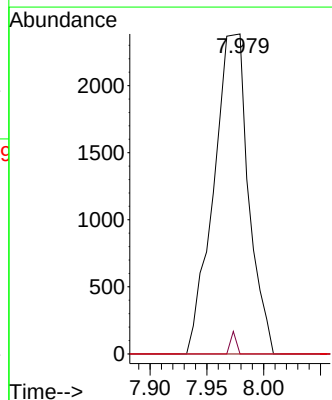
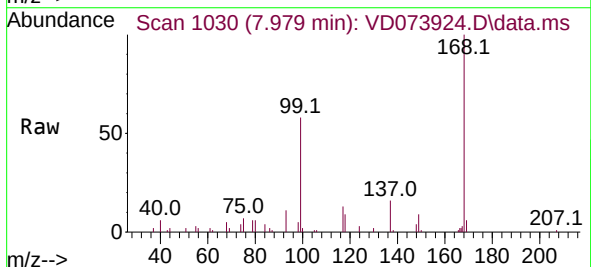
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

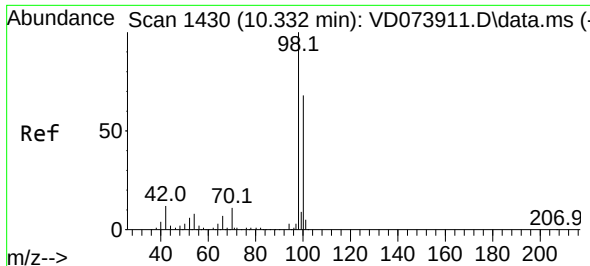
Tgt Ion: 75 Resp: 4393
Ion Ratio Lower Upper
75 100
110 2.4 18.1 54.1#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.227 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.111 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion: 117 Resp: 5111
Ion Ratio Lower Upper
117 100
119 0.0 79.6 119.4#
121 0.0 24.4 36.6#

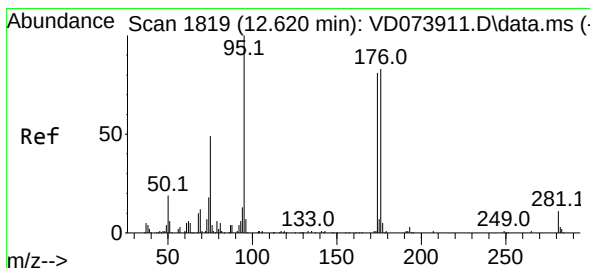
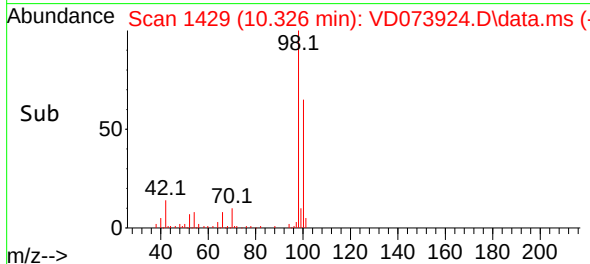
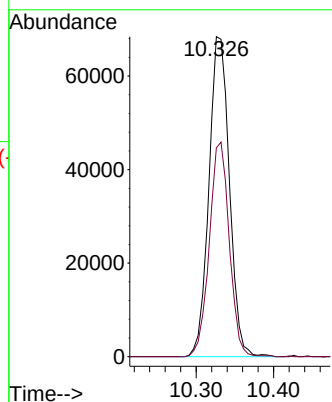
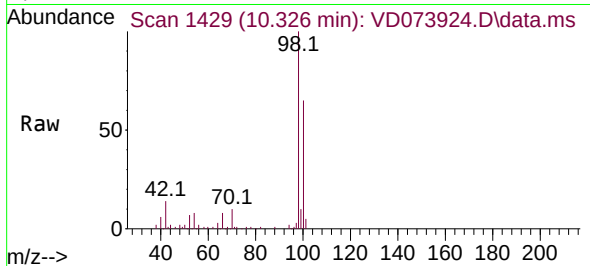




#50
Toluene-d8
Concen: 60.830 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

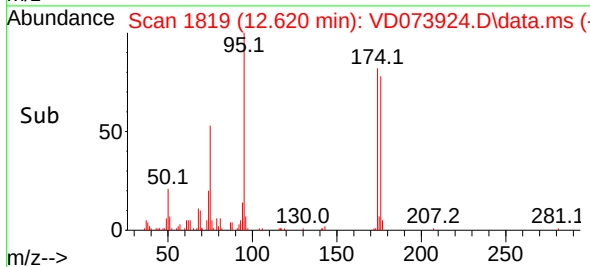
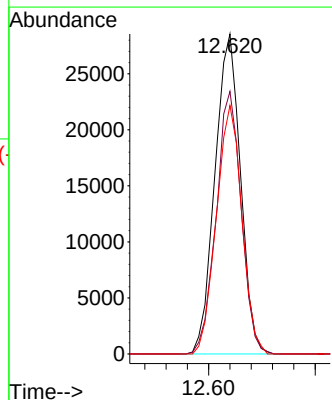
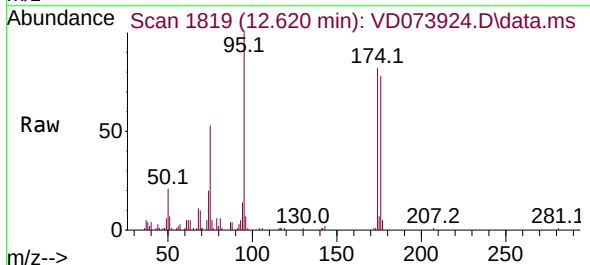
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

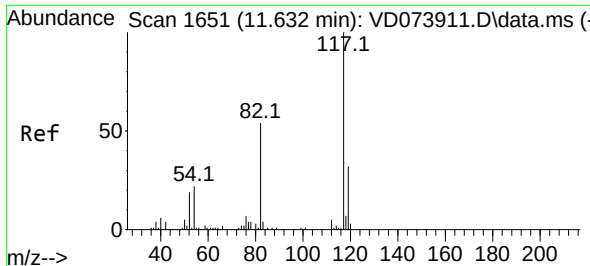
Tgt Ion: 98 Resp: 125572
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 62.547 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion: 95 Resp: 47482
Ion Ratio Lower Upper
95 100
174 80.2 0.0 164.2
176 77.3 0.0 161.4

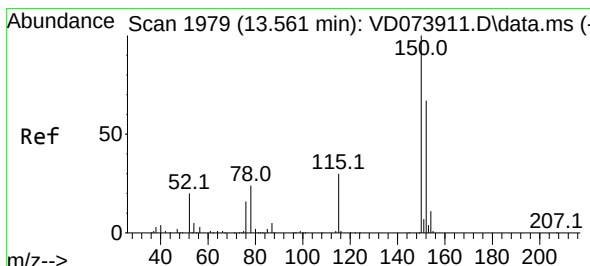
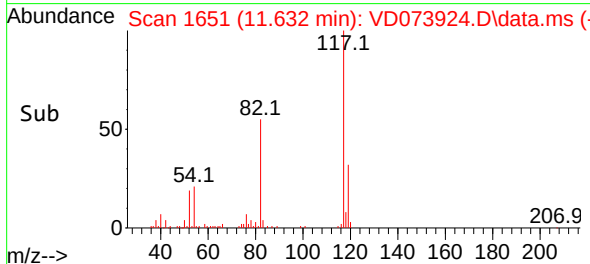
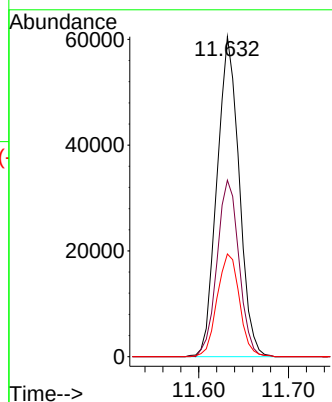
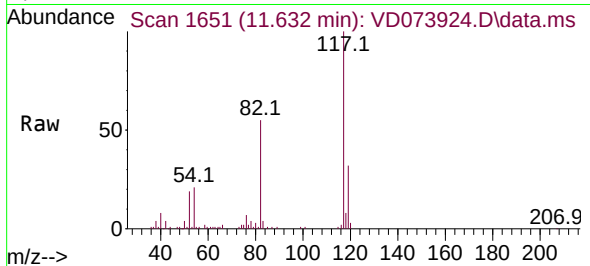




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

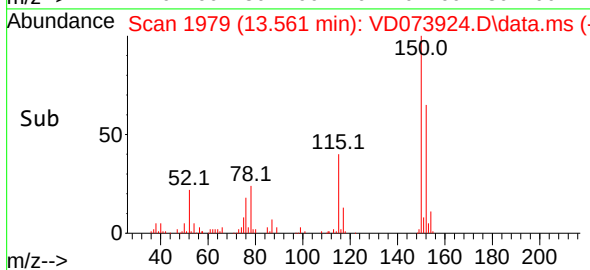
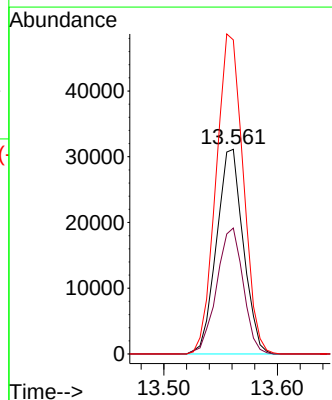
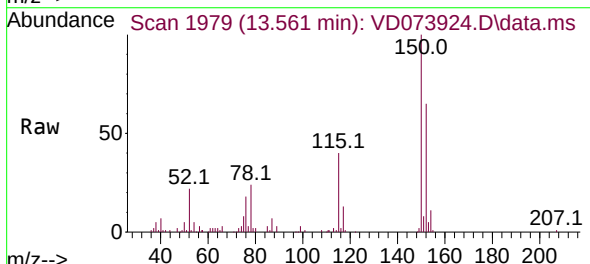
Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

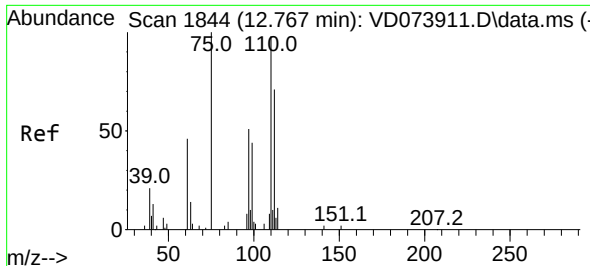
Tgt Ion:117 Resp: 103732
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion:152 Resp: 50954
Ion Ratio Lower Upper
152 100
115 60.9 29.1 87.3
150 158.9 0.0 338.2

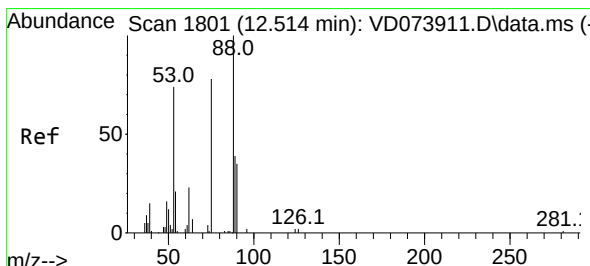
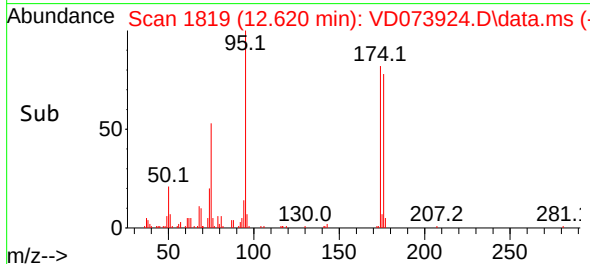
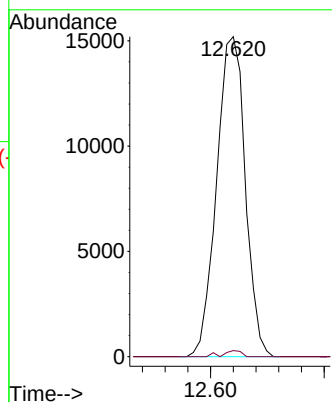
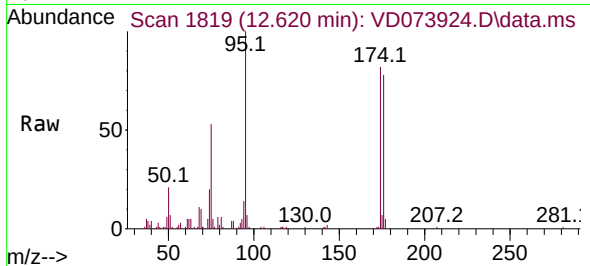




#76
1,2,3-Trichloropropane
Concen: 70.516 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Instrument :
MSVOA_D
ClientSampleId :
OK-04-080122

Tgt Ion: 75 Resp: 26627
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 149.923 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073924.D
Acq: 02 Aug 2022 13:58

Tgt Ion: 75 Resp: 26627
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.0 39.8 59.6#

