

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073687.D
 Acq On : 24 Jun 2022 15:00
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

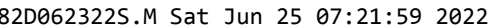
Quant Time: Jun 25 07:21:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

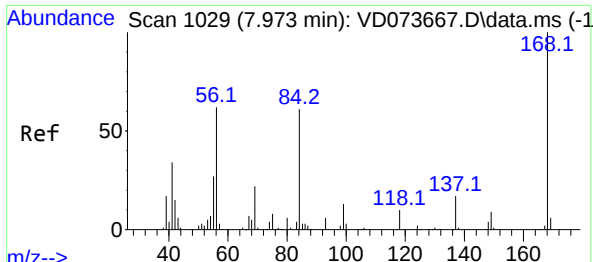
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	309355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	584416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	552414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	184500	48.558	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.120%
35) Dibromofluoromethane	7.908	113	191123	41.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.960%
50) Toluene-d8	10.332	98	702986	43.006	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.020%
62) 4-Bromofluorobenzene	12.620	95	248133	40.473	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	734	Below Cal		84
3) Chloromethane	2.209	50	859	Below Cal	#	88
5) Bromomethane	2.779	94	1167	Below Cal	#	59
11) Tert butyl alcohol	5.179	59	38287	Below Cal	#	100
16) Acetone	4.150	43	2441	Below Cal		94
18) Methyl Acetate	4.738	43	54	Below Cal	#	50
20) Methylene Chloride	4.956	84	15225	Below Cal		92
25) 2-Butanone	7.191	43	4081	4.262	ug/l	97
31) Cyclohexane	7.973	56	7819	1.372	ug/l #	33
38) Carbon Tetrachloride	7.967	117	31733	4.265	ug/l #	15
43) Isopropyl Acetate	8.291	43	5791	1.177	ug/l #	20
59) 2-Hexanone	10.932	43	2231	1.307	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	119661	47.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	119661	97.447	ug/l #	11

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

Quant Time: Jun 25 07:21:50 2022
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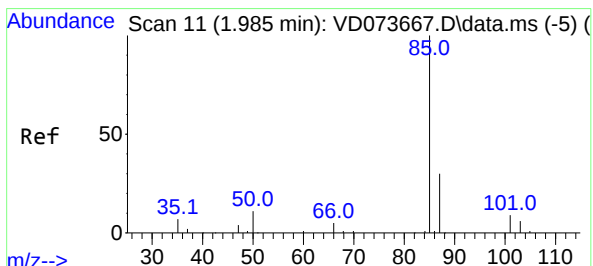
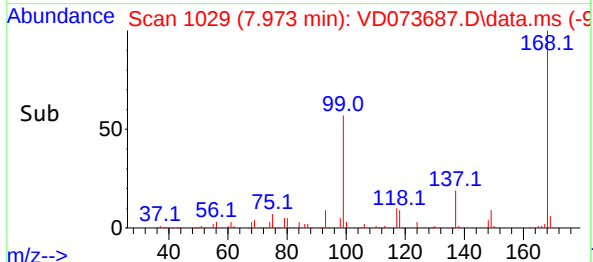
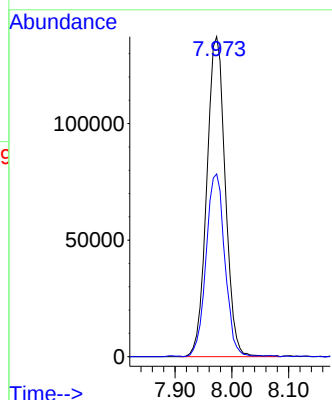
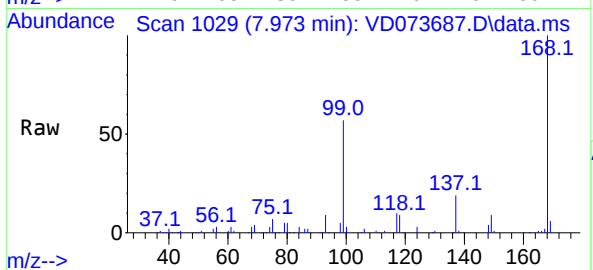




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

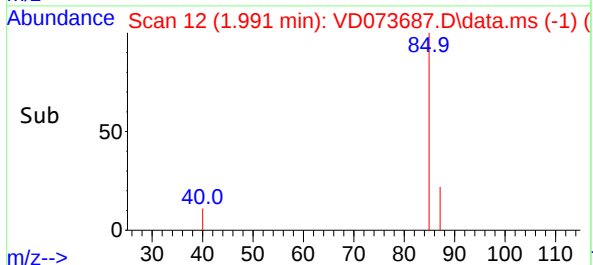
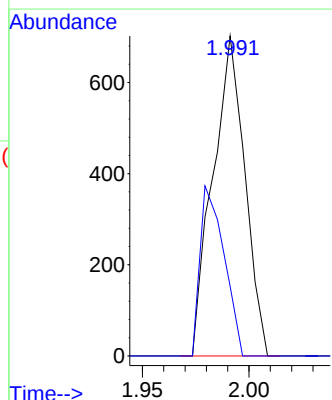
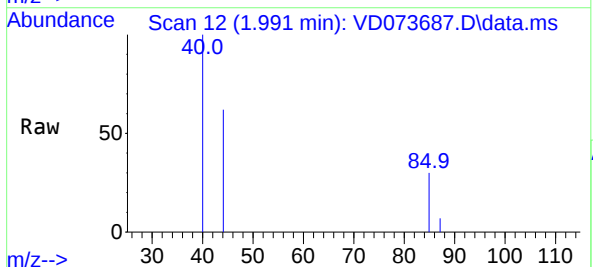
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

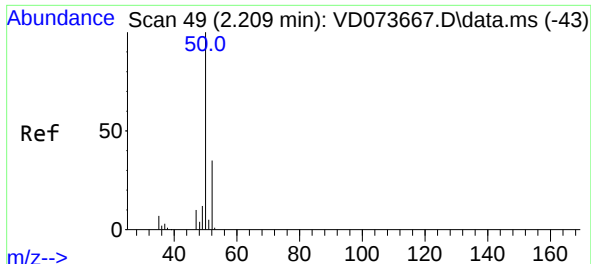
Tgt Ion:168 Resp: 309355
Ion Ratio Lower Upper
168 100
99 57.1 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 85 Resp: 734
Ion Ratio Lower Upper
85 100
87 21.8 15.2 45.5

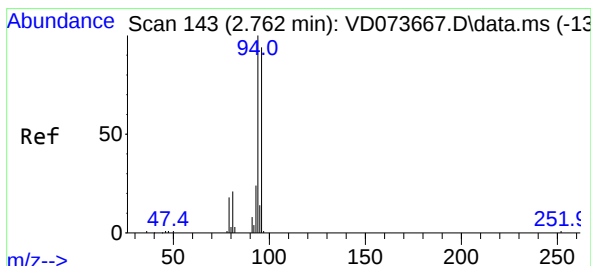
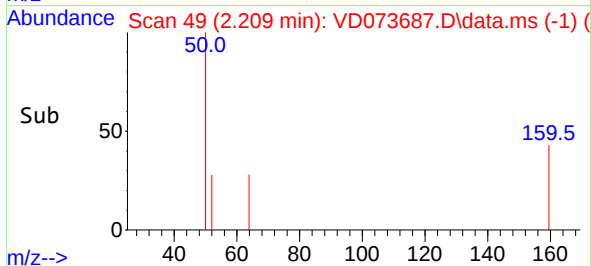
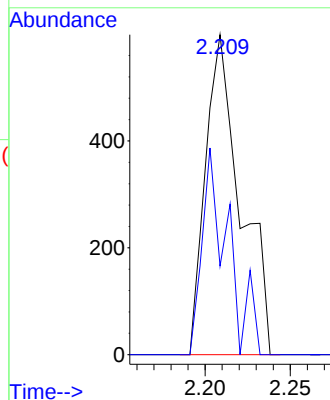
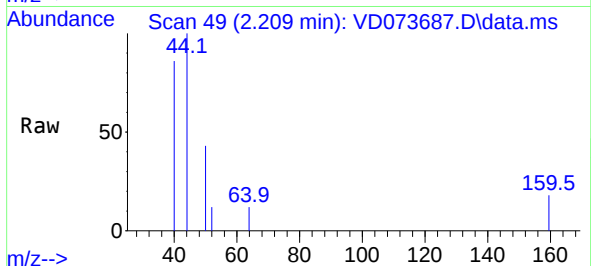




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

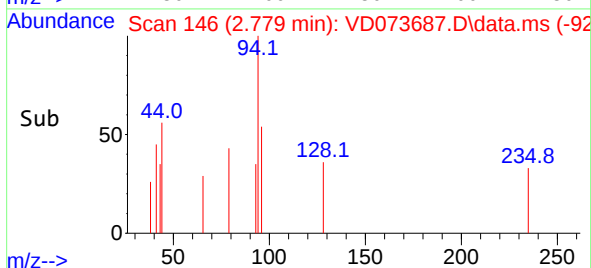
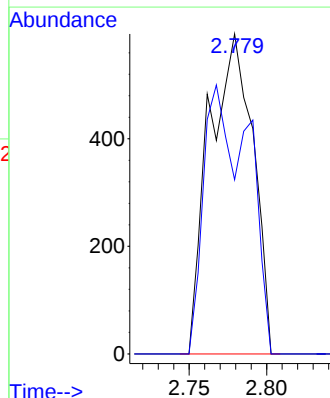
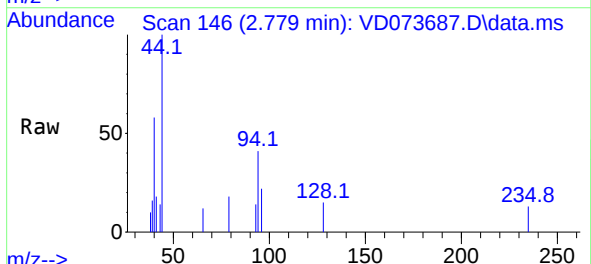
Instrument :
MSVOA_D
ClientSampleId :
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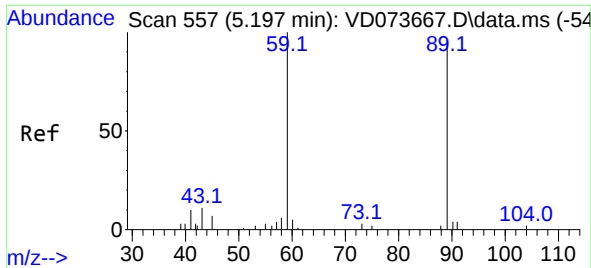
Tgt Ion: 50 Resp: 859
Ion Ratio Lower Upper
50 100
52 27.7 27.8 41.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 94 Resp: 1167
Ion Ratio Lower Upper
94 100
96 54.5 75.1 112.7#

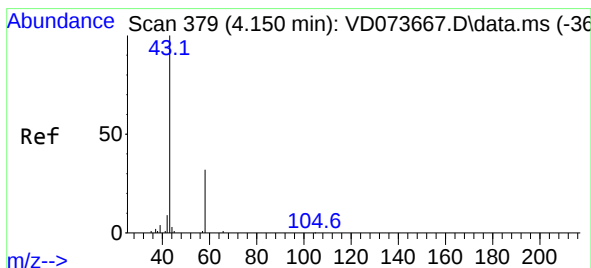
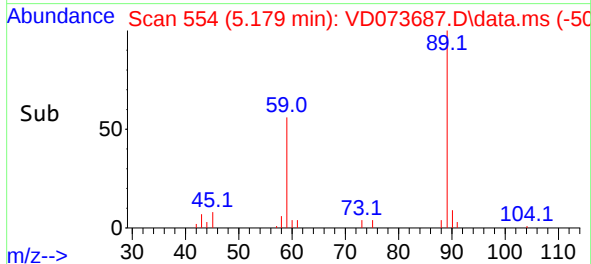
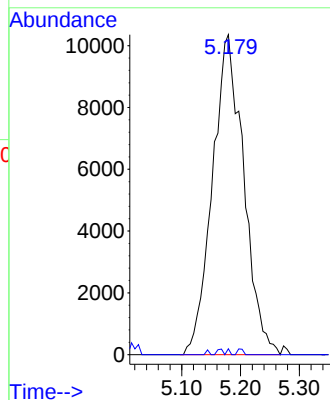
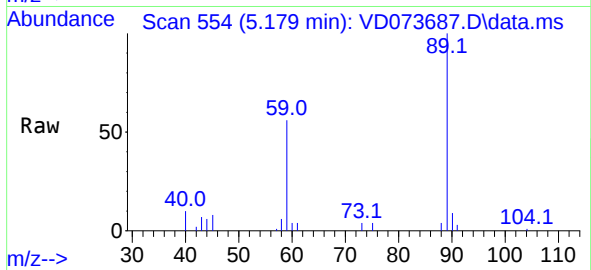




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

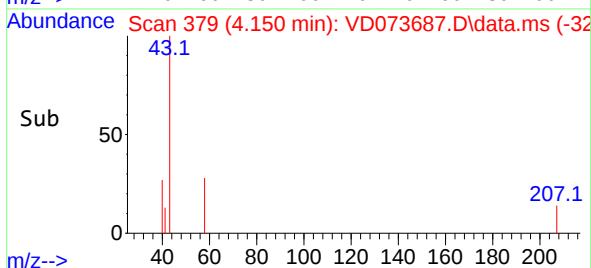
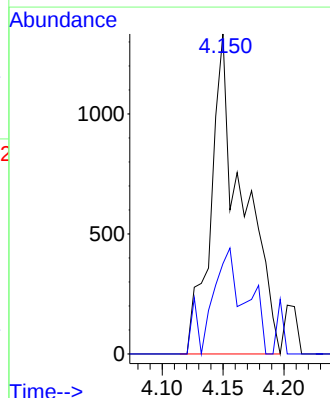
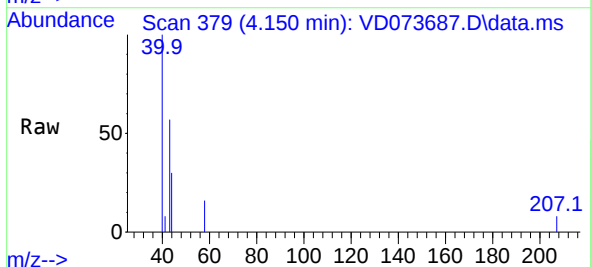
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

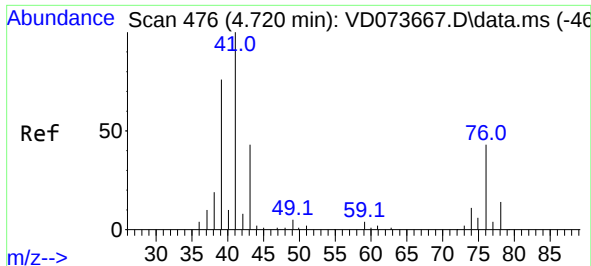
Tgt Ion: 59 Resp: 38287
Ion Ratio Lower Upper
59 100
57 0.5 0.0 0.0#



#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
58 28.2 25.2 37.8

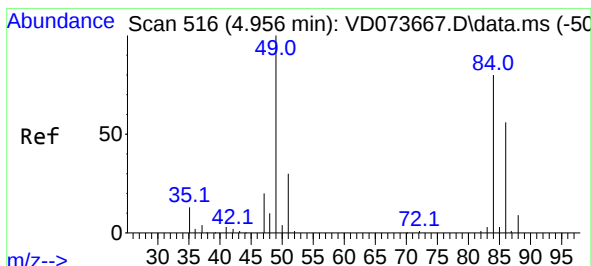
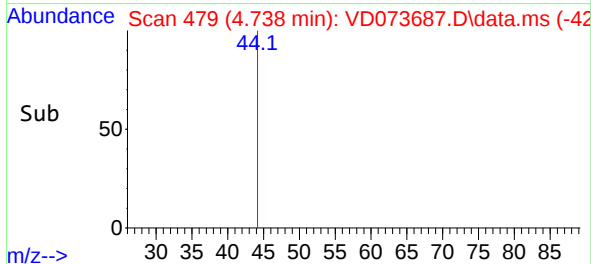
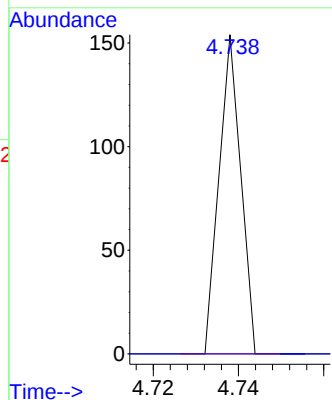
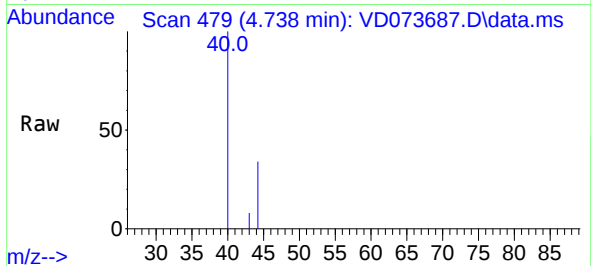




#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

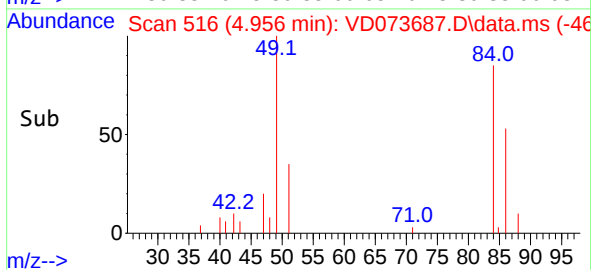
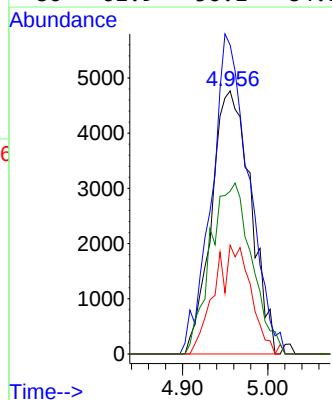
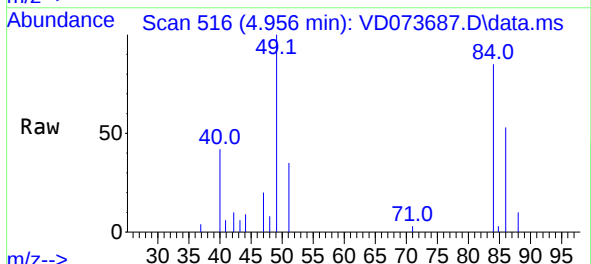
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

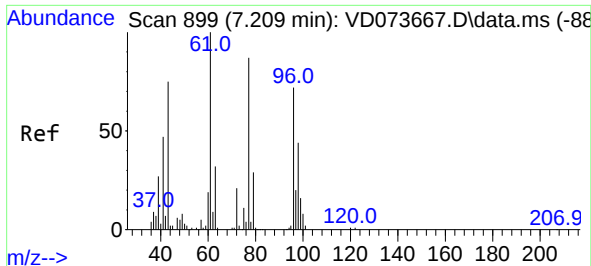
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 84 Resp: 15225
Ion Ratio Lower Upper
84 100
49 117.5 100.6 150.8
51 41.4 29.8 44.6
86 61.9 56.1 84.1





#25

2-Butanone

Concen: 4.262 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.018 min

Lab File: VD073687.D

Acq: 24 Jun 2022 15:00

Instrument :

MSVOA_D

ClientSampleId :

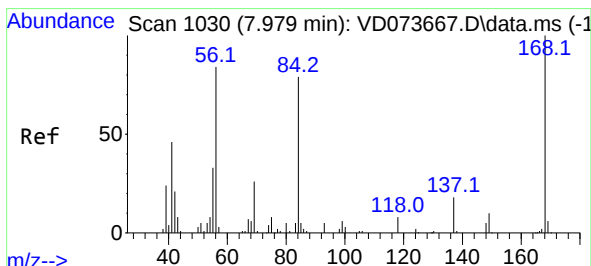
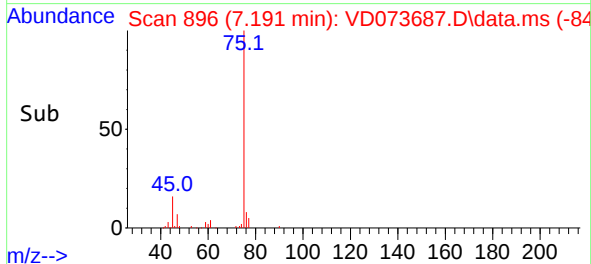
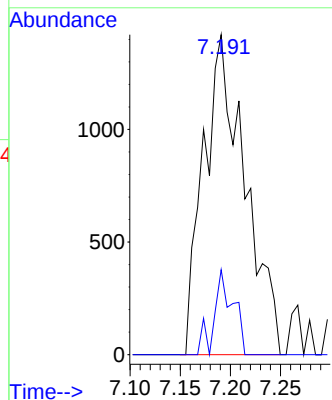
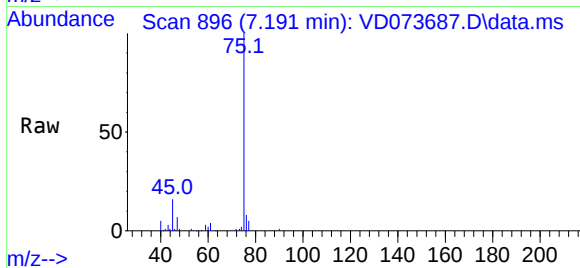
VIBLK

Tgt Ion: 43 Resp: 4081

Ion Ratio Lower Upper

43 100

72 26.5 22.6 33.8



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073687.D

Acq: 24 Jun 2022 15:00

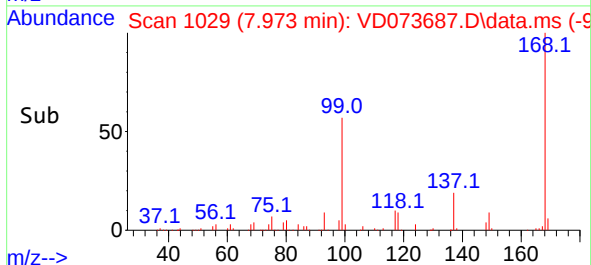
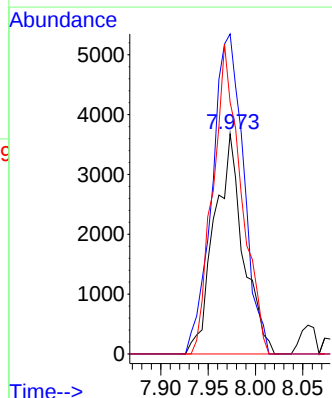
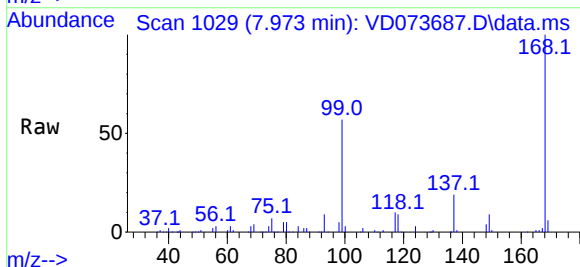
Tgt Ion: 56 Resp: 7819

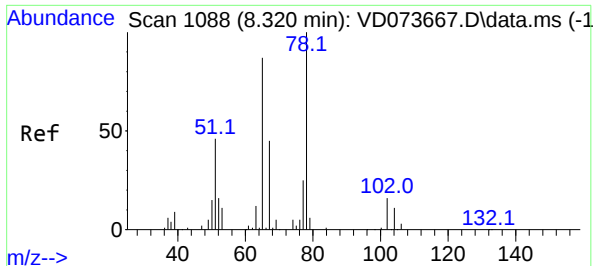
Ion Ratio Lower Upper

56 100

69 145.4 25.2 37.8#

84 114.3 75.4 113.2#





#33

1,2-Dichloroethane-d4

Concen: 48.558 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD073687.D

Acq: 24 Jun 2022 15:00

Instrument :

MSVOA_D

ClientSampleId :

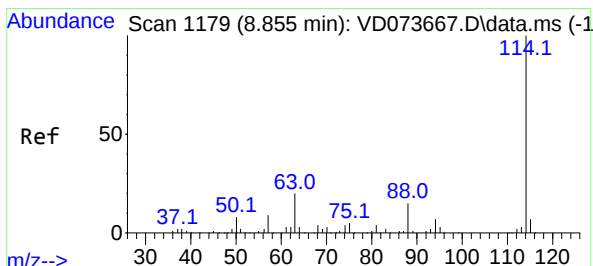
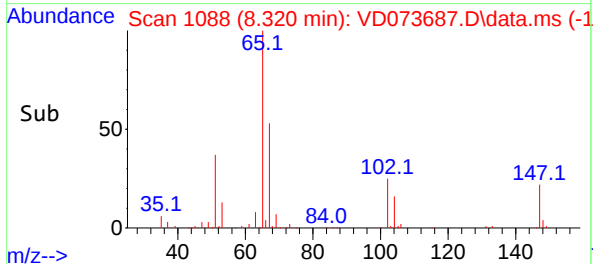
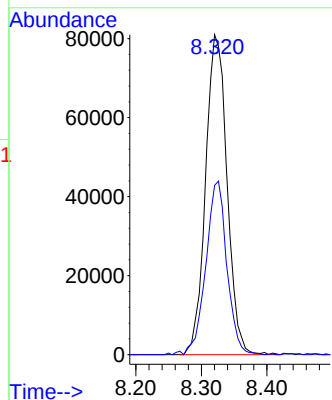
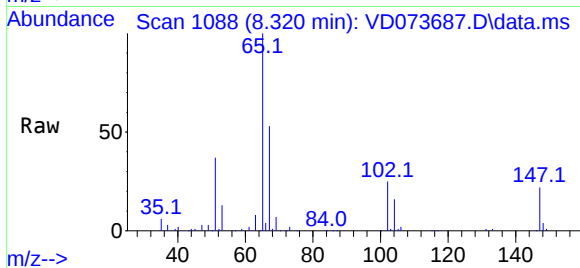
VIBLK

Tgt Ion: 65 Resp: 184500

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073687.D

Acq: 24 Jun 2022 15:00

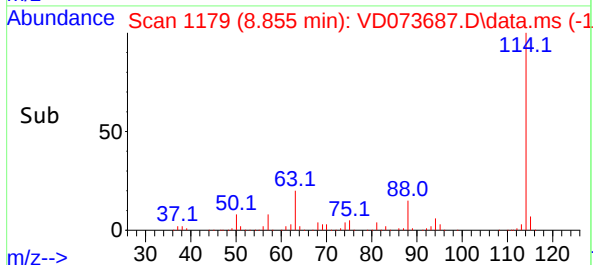
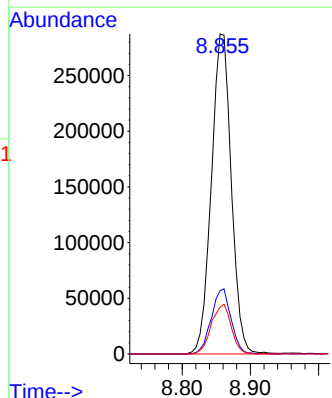
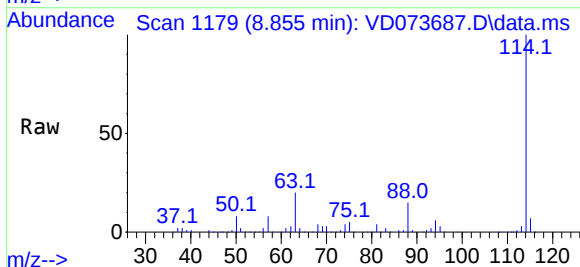
Tgt Ion: 114 Resp: 584416

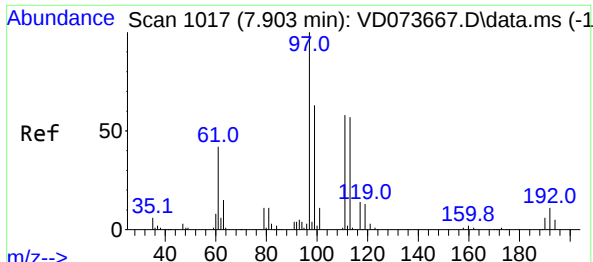
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 14.6 0.0 29.4

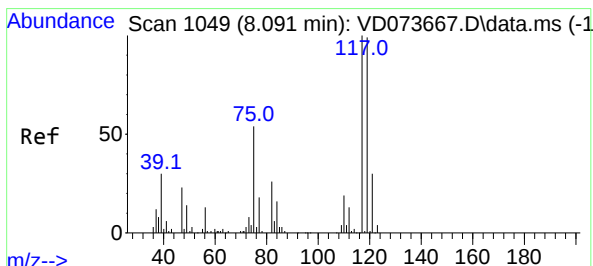
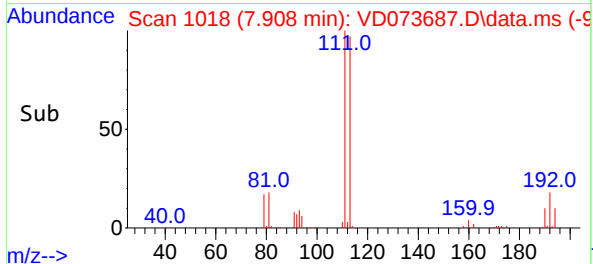
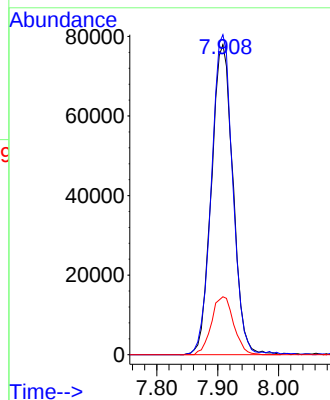
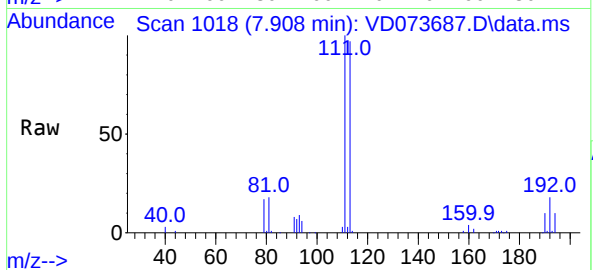




#35
Dibromofluoromethane
Concen: 41.981 ug/l
RT: 7.908 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

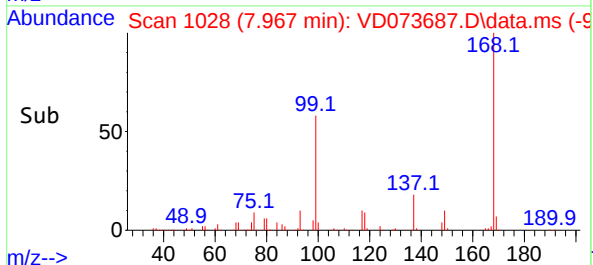
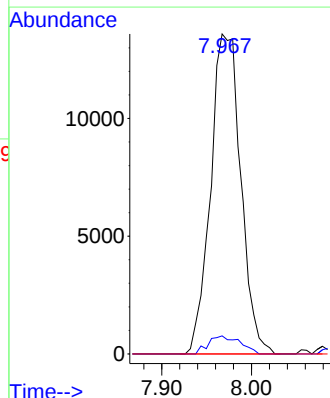
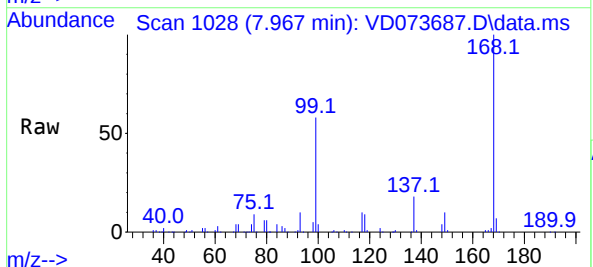
Instrument :
MSVOA_D
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VIBLK

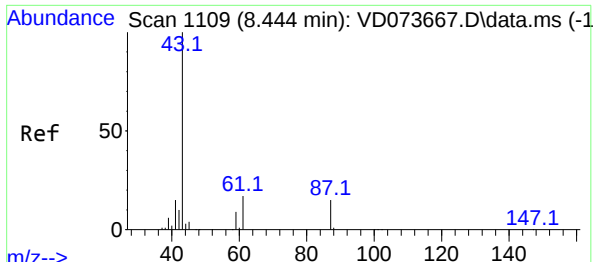
Tgt Ion:113 Resp: 191123
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 19.3 14.8 22.2



#38
Carbon Tetrachloride
Concen: 4.265 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion:117 Resp: 31733
Ion Ratio Lower Upper
117 100
119 5.7 79.2 118.8#
121 0.0 23.8 35.8#

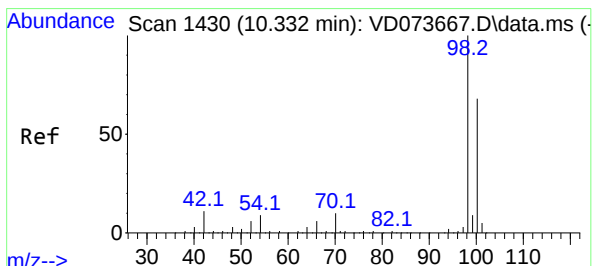
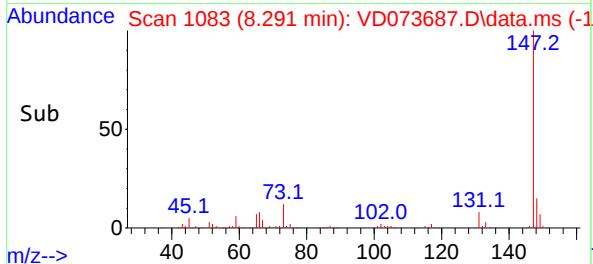
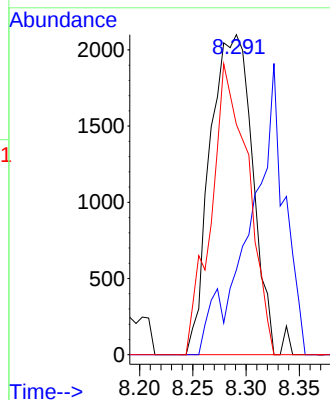
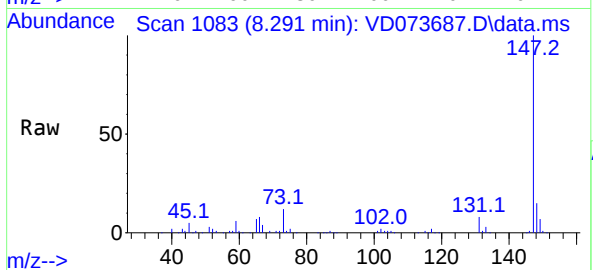




#43
Isopropyl Acetate
Concen: 1.177 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.153 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

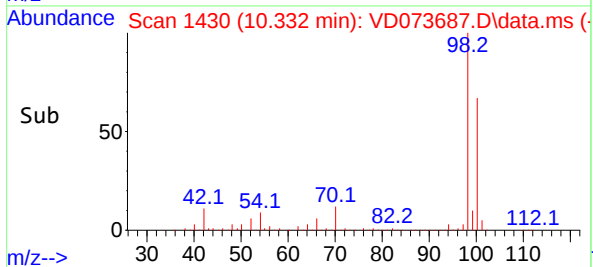
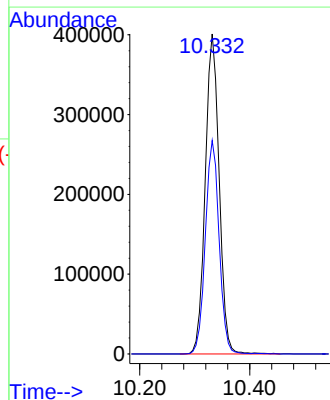
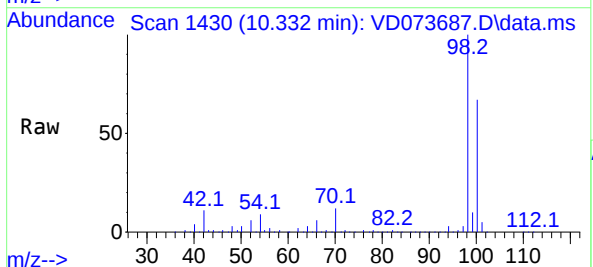
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

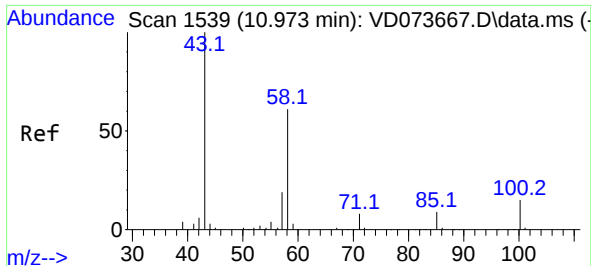
Tgt Ion: 43 Resp: 5791
Ion Ratio Lower Upper
43 100
61 7.3 25.4 38.0#
87 79.8 11.9 17.9#



#50
Toluene-d8
Concen: 43.006 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 98 Resp: 702986
Ion Ratio Lower Upper
98 100
100 66.2 54.0 81.0

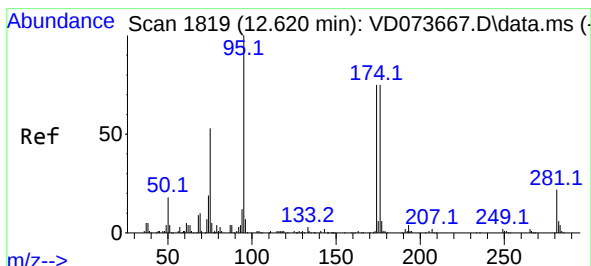
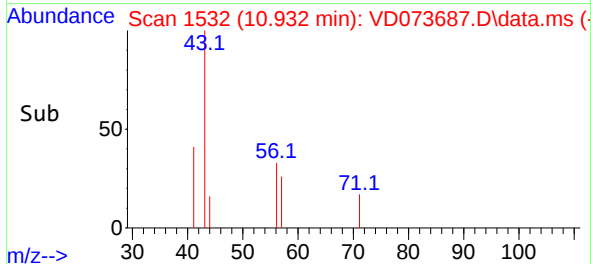
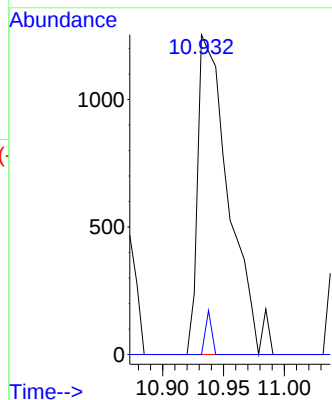
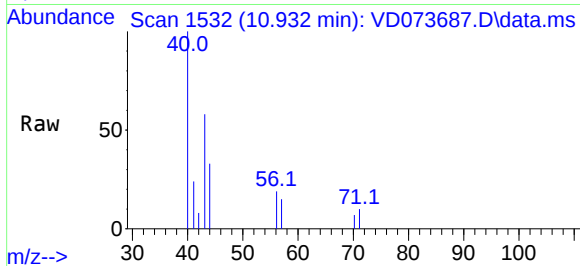




#59
2-Hexanone
Concen: 1.307 ug/l
RT: 10.932 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

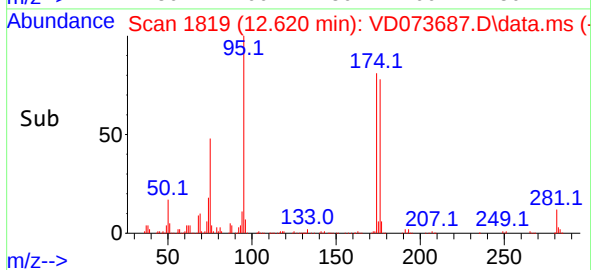
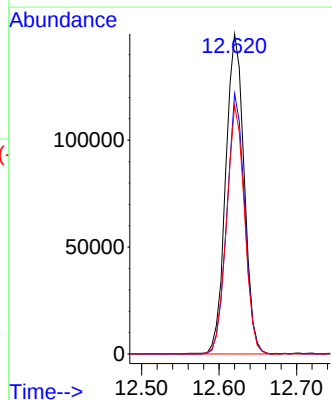
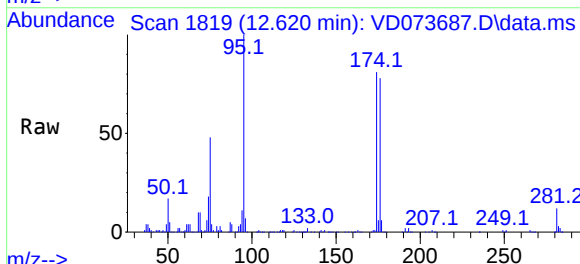
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

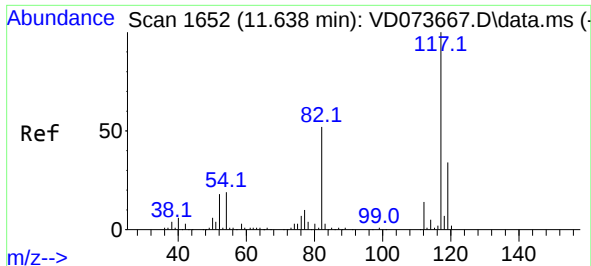
Tgt Ion: 43 Resp: 2231
Ion Ratio Lower Upper
43 100
58 2.7 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 40.473 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 95 Resp: 248133
Ion Ratio Lower Upper
95 100
174 78.2 0.0 158.4
176 75.7 0.0 154.8

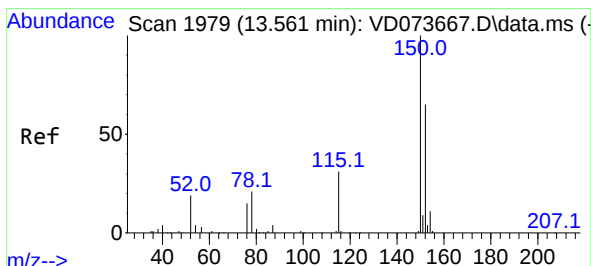
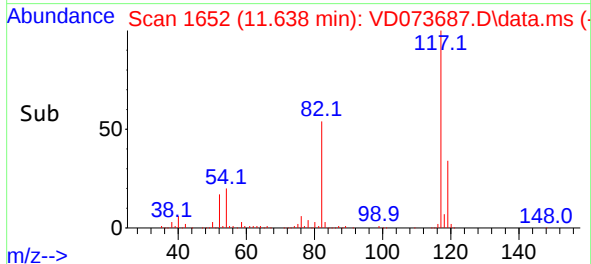
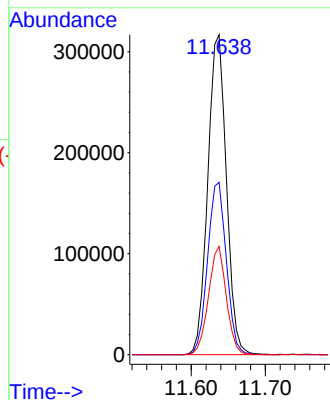
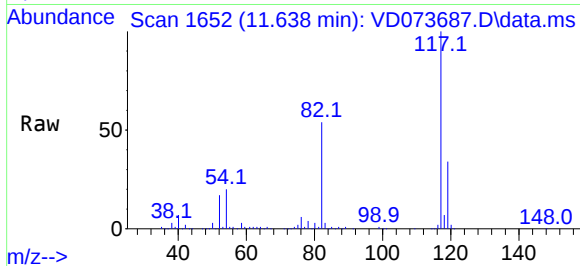




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

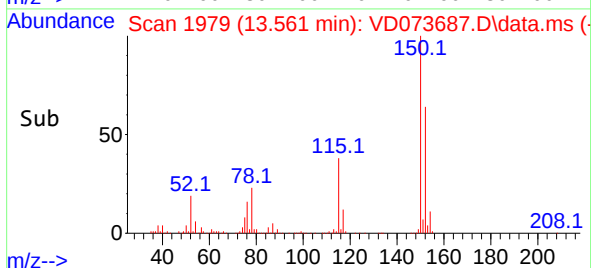
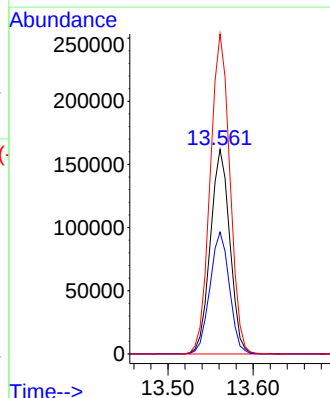
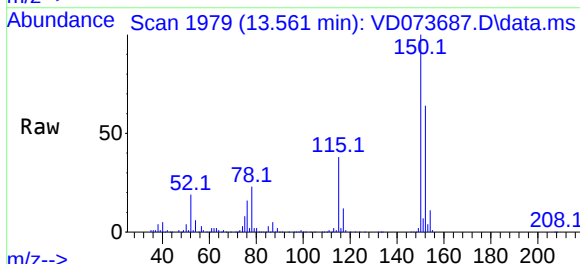
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

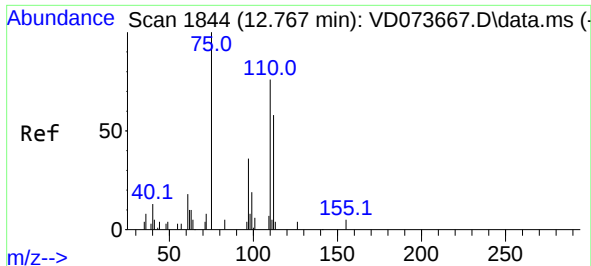
Tgt Ion:	117	Resp:	552414
Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.5	62.3
119	33.8	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion:	152	Resp:	257614
Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.6	91.6
150	157.9	0.0	355.0

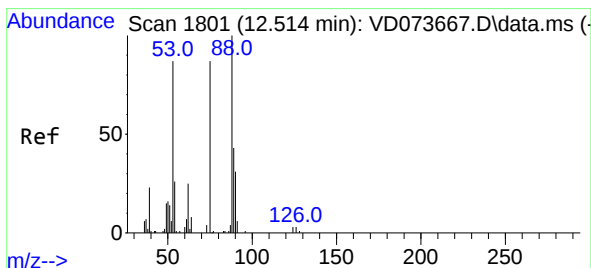
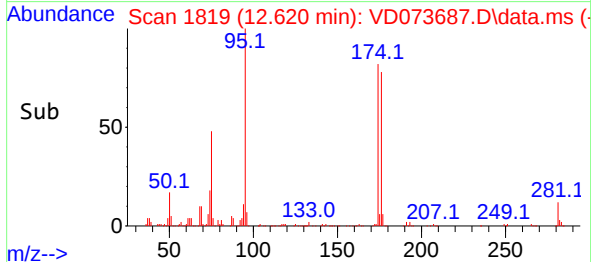
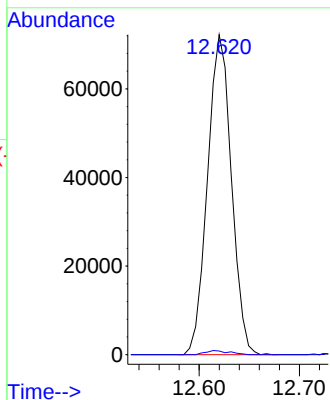
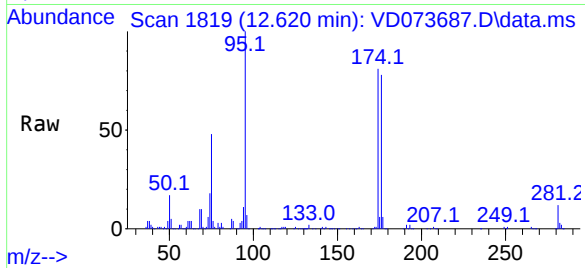




#76
1,2,3-Trichloropropane
Concen: 47.731 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 119661
Ion Ratio Lower Upper
75 100
77 1.3 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.447 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073687.D
Acq: 24 Jun 2022 15:00

Tgt Ion: 75 Resp: 119661
Ion Ratio Lower Upper
75 100
53 0.2 77.0 115.6#
89 0.4 37.8 56.8#

