

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022624\
 Data File : VD078550.D
 Acq On : 26 Feb 2024 13:30
 Operator : RP/MD
 Sample : P1588-01
 Misc : 5.08G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1838

Quant Time: Feb 27 03:26:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

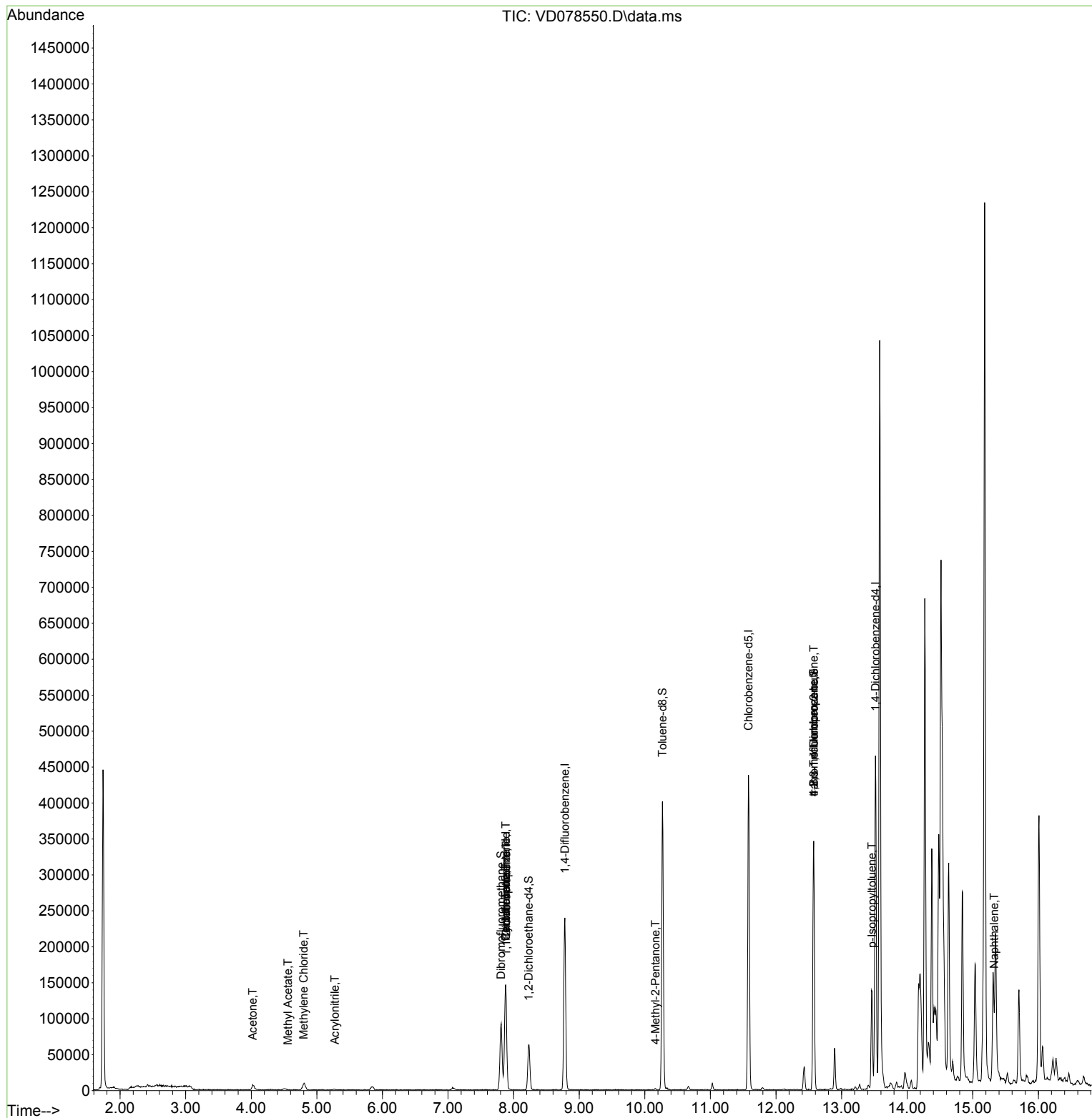
Internal Standards						
1) Pentafluorobenzene	7.881	168	117320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	222053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	262460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48314	38.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.180%		
35) Dibromofluoromethane	7.810	113	66017	46.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.600%		
50) Toluene-d8	10.269	98	282495	50.066	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.140%		
62) 4-Bromofluorobenzene	12.575	95	104996	63.945	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	127.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	126	Below Cal	#	73
15) Acrylonitrile	5.275	53	926	3.434	ug/l #	66
16) Acetone	4.022	43	11850	26.872	ug/l #	83
18) Methyl Acetate	4.558	43	61	4.002	ug/l #	42
20) Methylene Chloride	4.799	84	7818	2.506	ug/l	89
23) Vinyl Acetate	6.381	43	64	Below Cal	#	63
25) 2-Butanone	7.099	43	1808	Below Cal		95
31) Cyclohexane	7.881	56	2615	1.219	ug/l #	25
36) 1,1-Dichloropropene	7.887	75	9447	4.311	ug/l #	45
38) Carbon Tetrachloride	7.881	117	12137	5.593	ug/l #	11
51) 4-Methyl-2-Pentanone	10.163	43	1160	1.537	ug/l	95
76) 1,2,3-Trichloropropane	12.575	75	54686	51.545	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54686	107.009	ug/l #	17
86) p-Isopropyltoluene	13.463	119	79559	10.249	ug/l	97
95) Naphthalene	15.328	128	10180	2.642	ug/l #	87

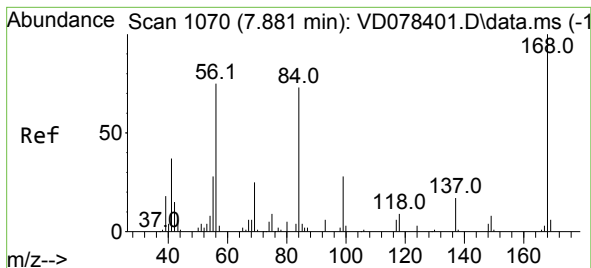
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078550.D

Acq: 26 Feb 2024 13:30

Instrument :

MSVOA_D

ClientSampleId :

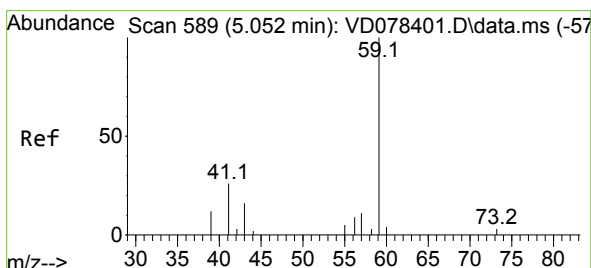
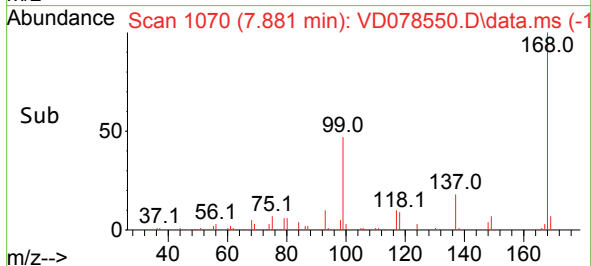
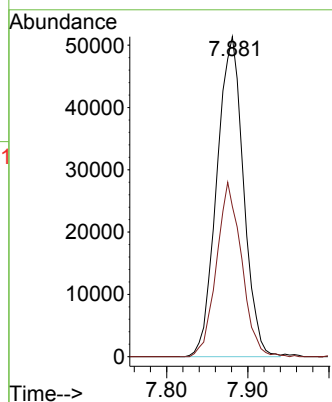
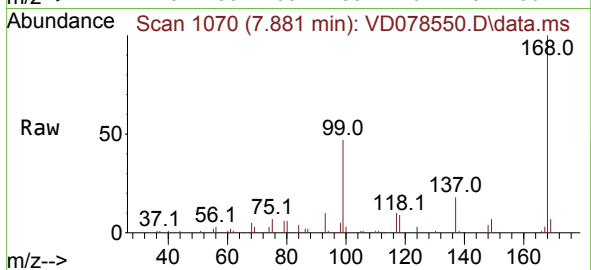
1838

Tgt Ion:168 Resp: 117320

Ion Ratio Lower Upper

168 100

99 47.0 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.046 min Scan# 588

Delta R.T. -0.006 min

Lab File: VD078550.D

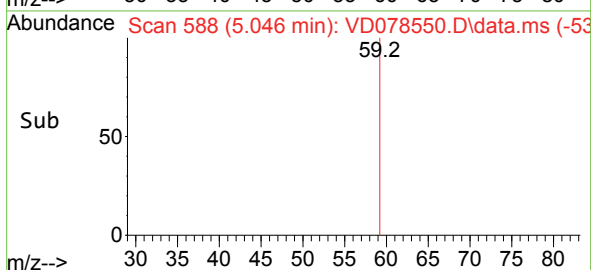
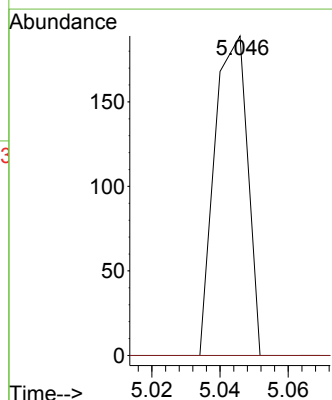
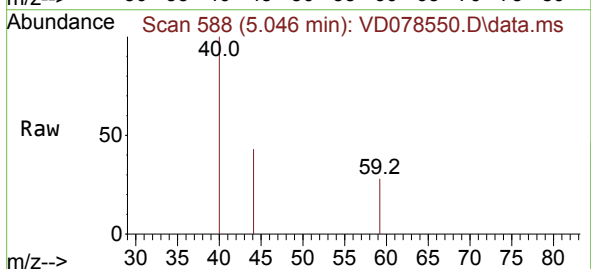
Acq: 26 Feb 2024 13:30

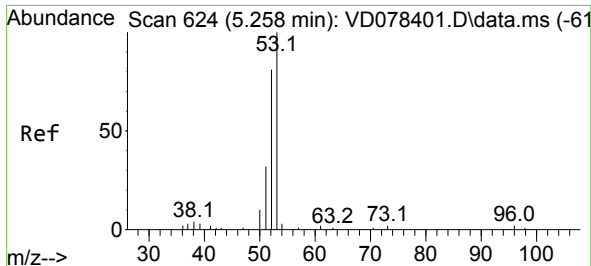
Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

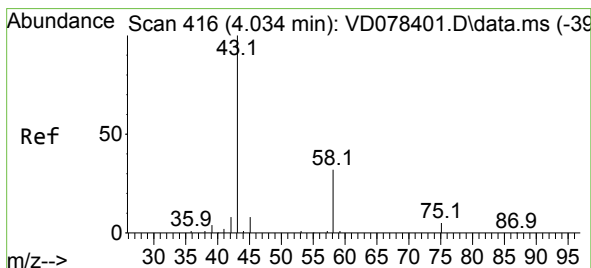
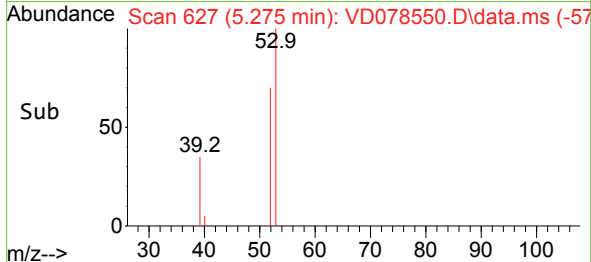
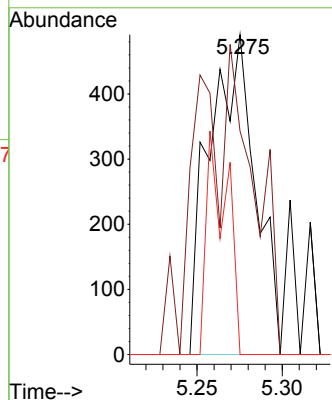
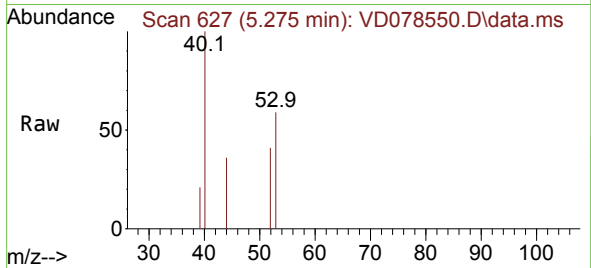




#15
Acrylonitrile
Concen: 3.434 ug/l
RT: 5.275 min Scan# 61
Delta R.T. 0.018 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

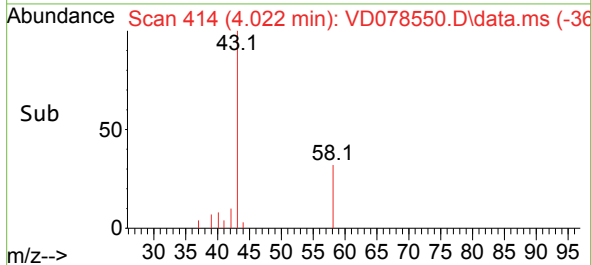
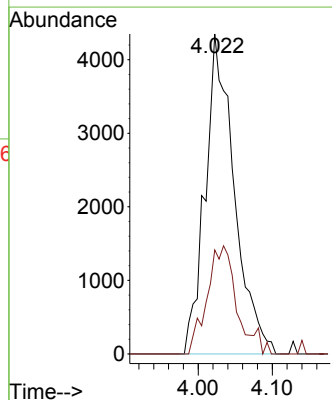
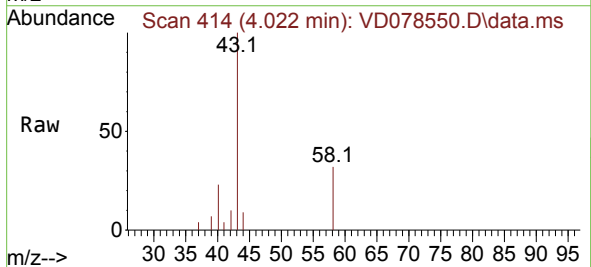
Instrument :
MSVOA_D
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1838

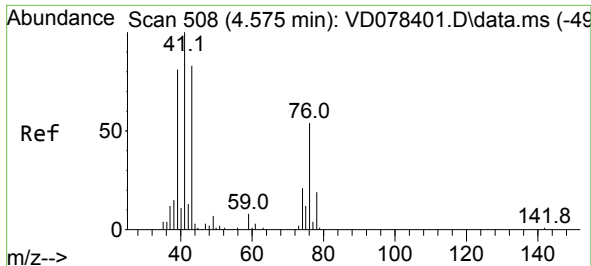
Tgt Ion: 53 Resp: 926
Ion Ratio Lower Upper
53 100
52 61.1 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 26.872 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.012 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

Tgt Ion: 43 Resp: 11850
Ion Ratio Lower Upper
43 100
58 32.5 34.7 52.1#

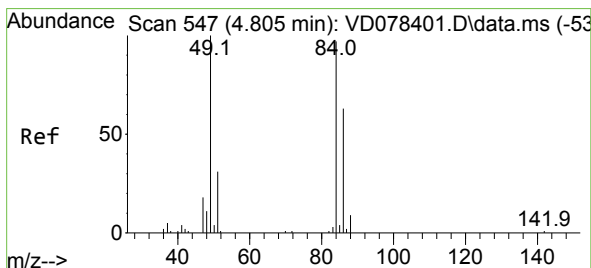
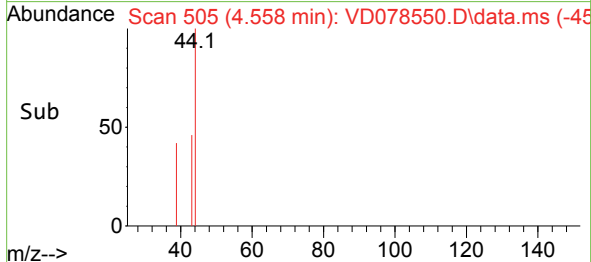
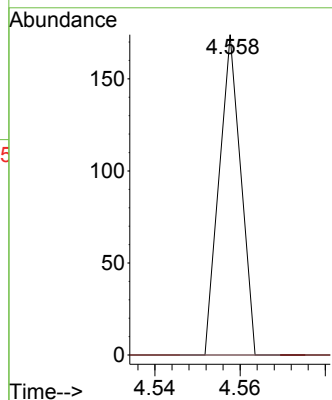
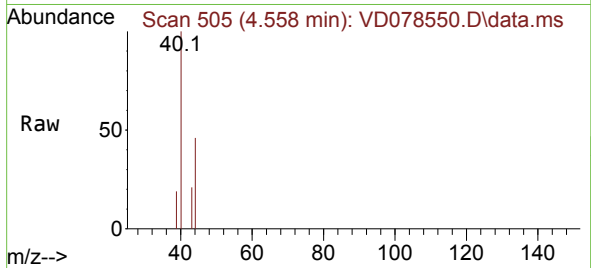




#18
Methyl Acetate
Concen: 4.002 ug/l
RT: 4.558 min Scan# 508
Delta R.T. -0.017 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

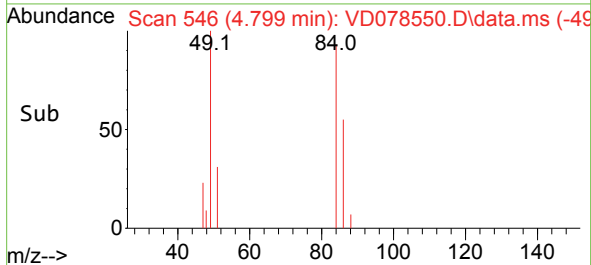
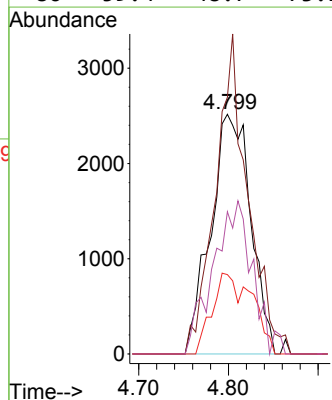
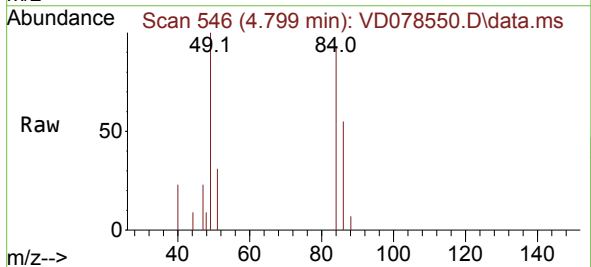
Instrument :
MSVOA_D
ClientSampleId :
1838

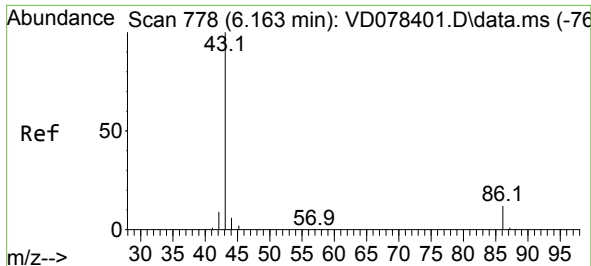
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 2.506 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

Tgt Ion: 84 Resp: 7818
Ion Ratio Lower Upper
84 100
49 107.0 71.4 107.2
51 33.1 24.5 36.7
86 59.4 48.7 73.1

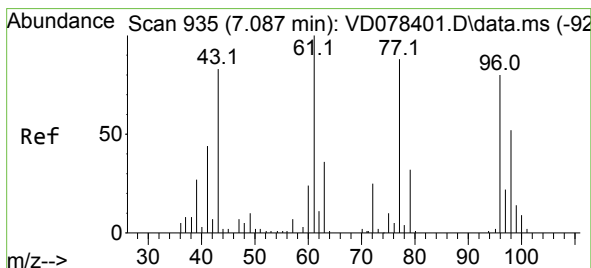
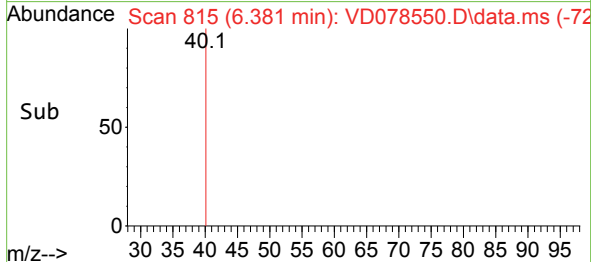
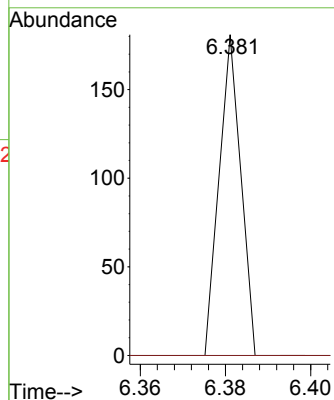
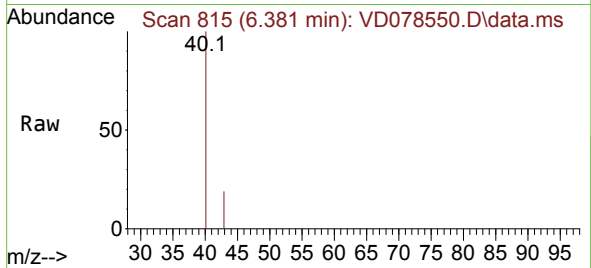




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.381 min Scan# 81
 Delta R.T. 0.218 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

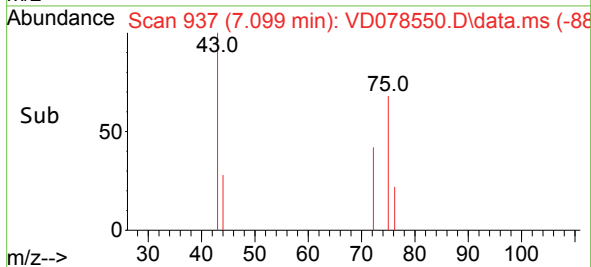
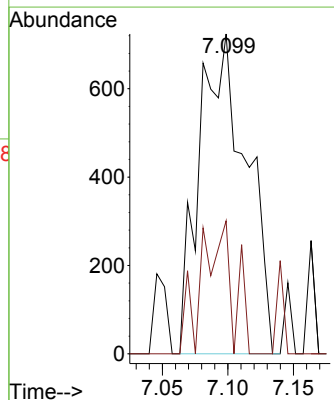
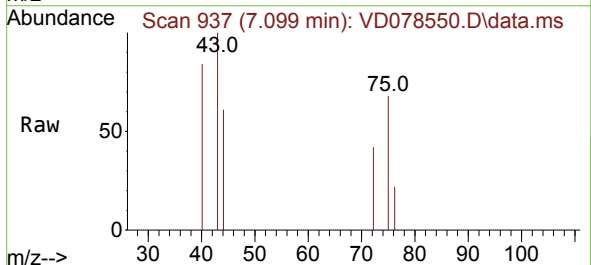
Instrument :
 MSVOA_D
 ClientSampleId :
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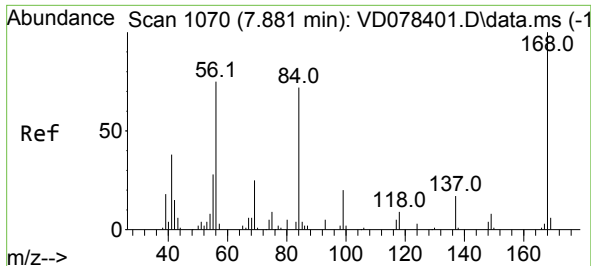
Tgt Ion: 43 Resp: 64
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.099 min Scan# 937
 Delta R.T. 0.012 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

Tgt Ion: 43 Resp: 1808
 Ion Ratio Lower Upper
 43 100
 72 41.6 30.7 46.1

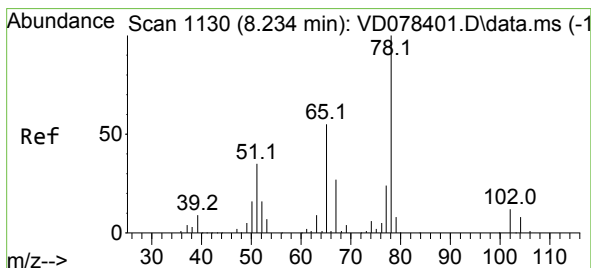
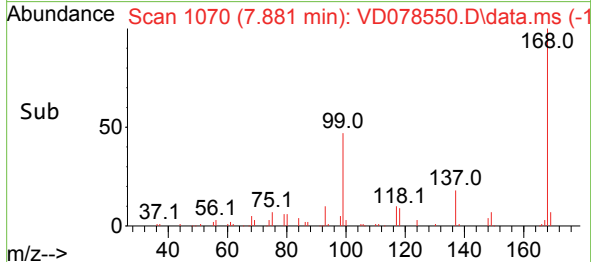
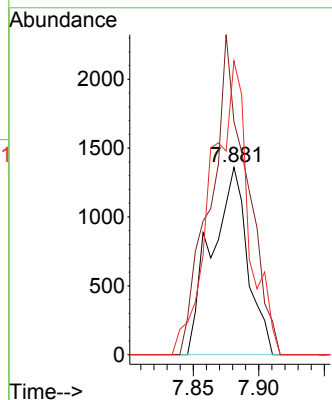
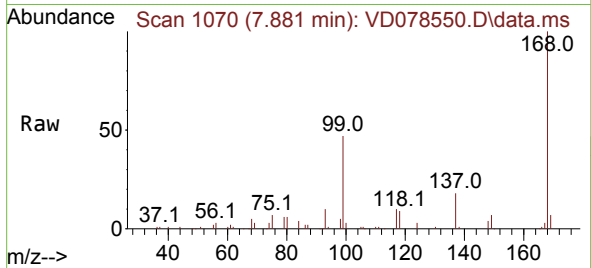




#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

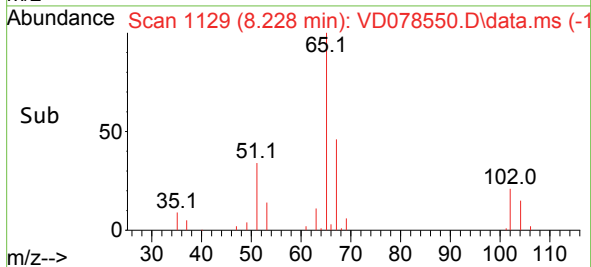
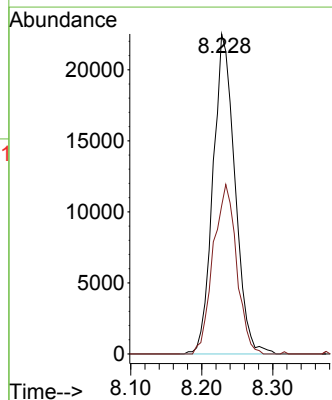
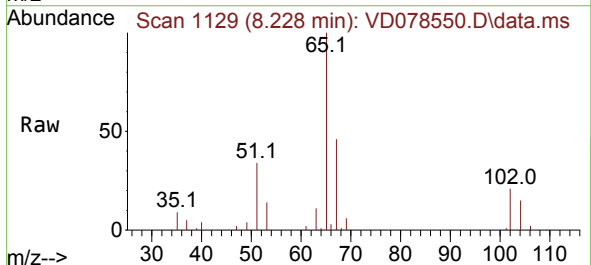
Instrument :
MSVOA_D
ClientSampleId :
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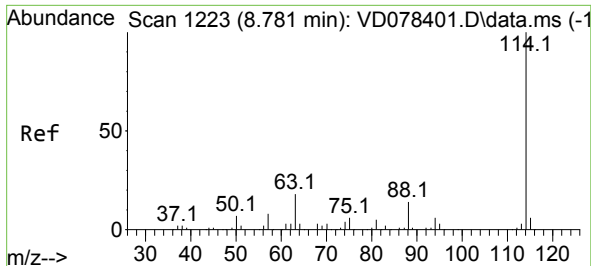
Tgt Ion: 56 Resp: 2615
Ion Ratio Lower Upper
56 100
69 124.2 28.6 43.0#
84 156.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 38.087 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

Tgt Ion: 65 Resp: 48314
Ion Ratio Lower Upper
65 100
67 56.4 0.0 115.0

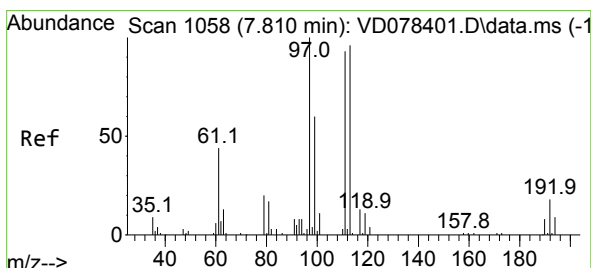
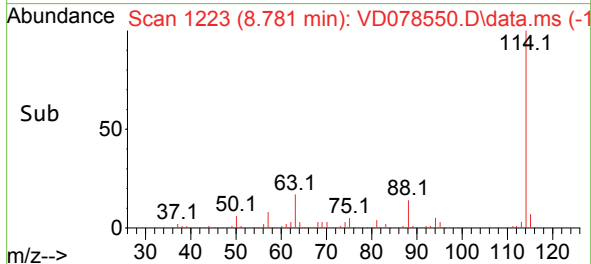
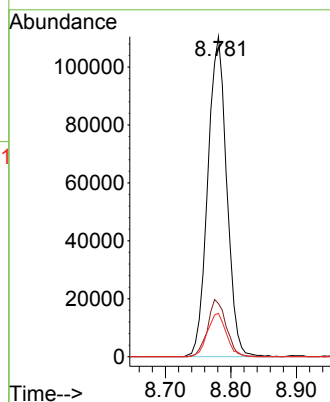
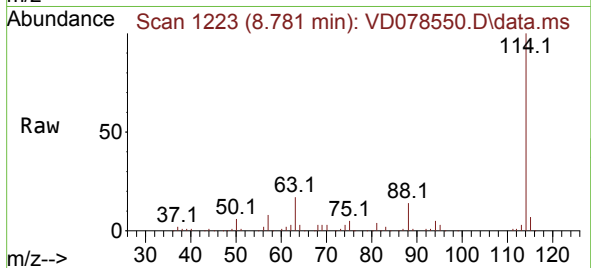




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

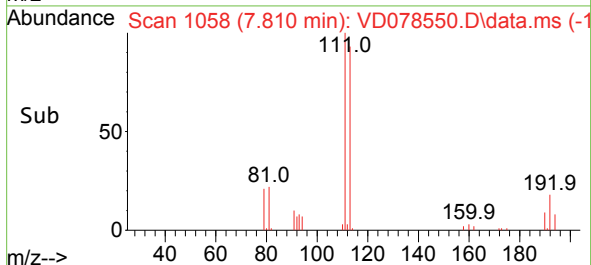
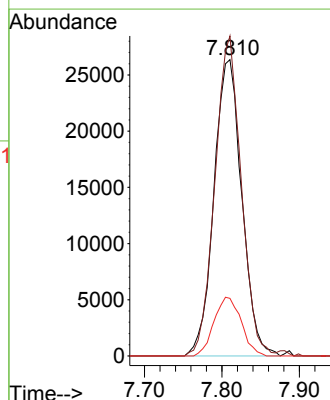
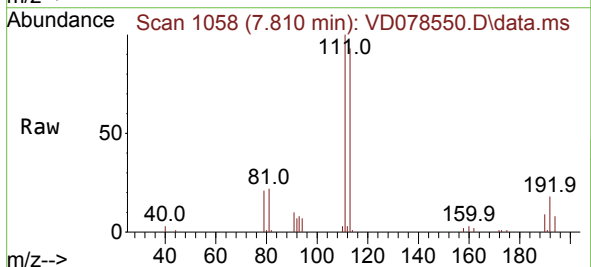
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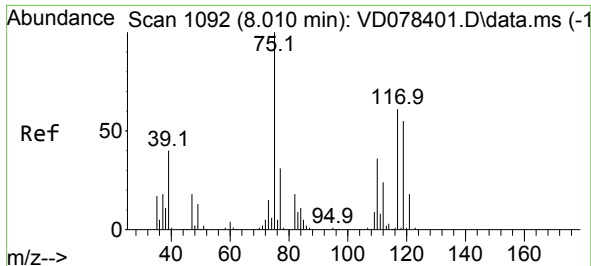
Tgt Ion:114 Resp: 222053
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.4
88 13.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 46.803 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

Tgt Ion:113 Resp: 66017
Ion Ratio Lower Upper
113 100
111 102.0 84.7 127.1
192 19.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.124 min

Lab File: VD078550.D

Acq: 26 Feb 2024 13:30

Instrument :

MSVOA_D

ClientSampleId :

1838

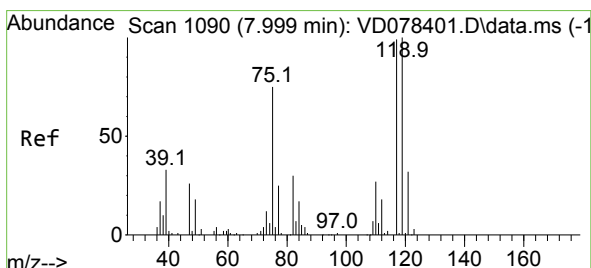
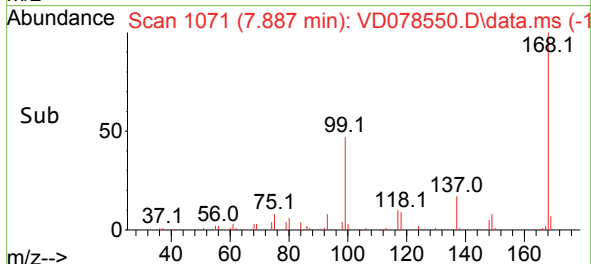
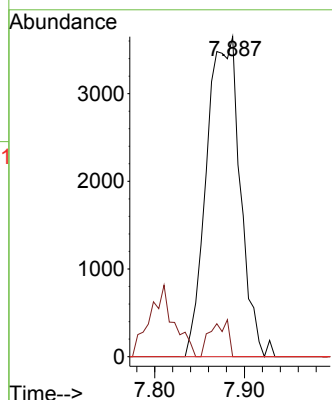
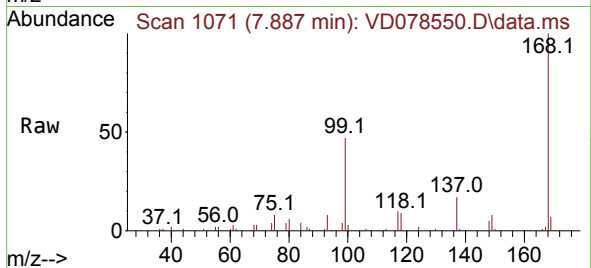
Tgt Ion: 75 Resp: 9447

Ion Ratio Lower Upper

75 100

110 6.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.593 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.118 min

Lab File: VD078550.D

Acq: 26 Feb 2024 13:30

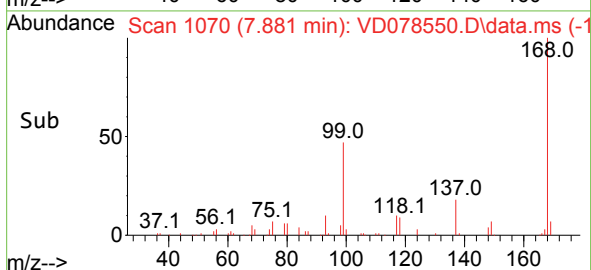
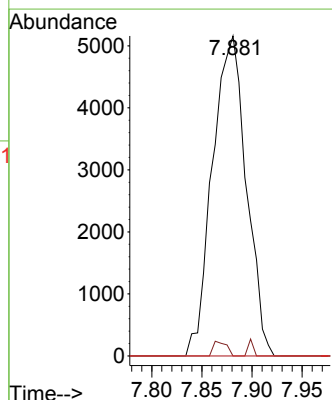
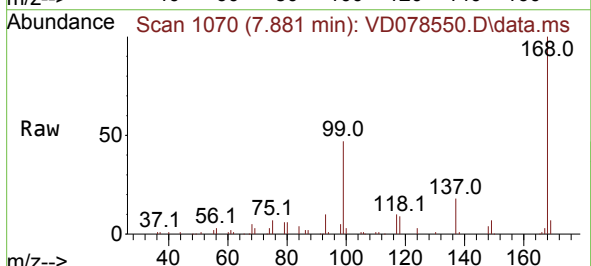
Tgt Ion: 117 Resp: 12137

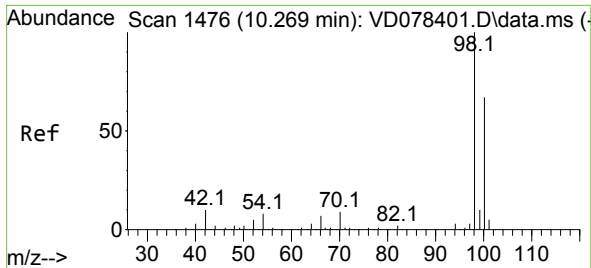
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

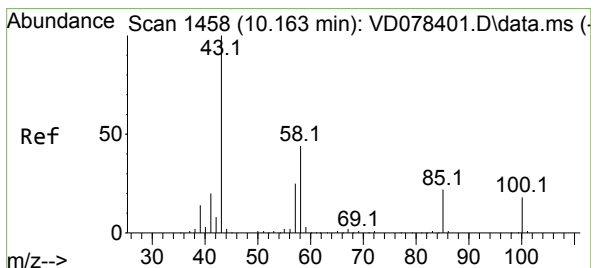
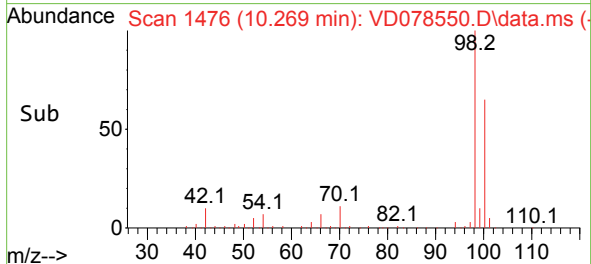
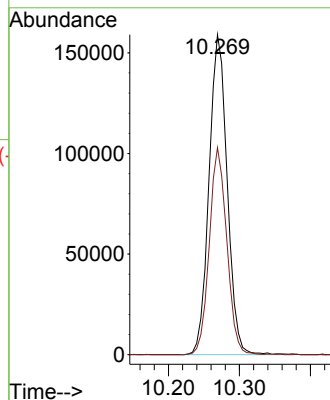
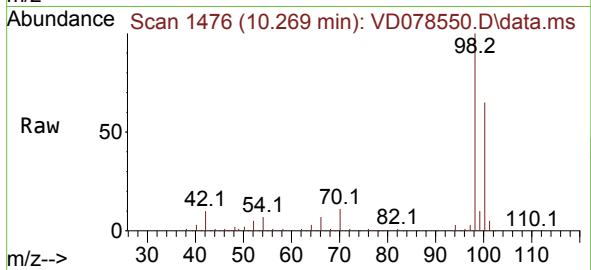




#50
Toluene-d8
Concen: 50.066 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

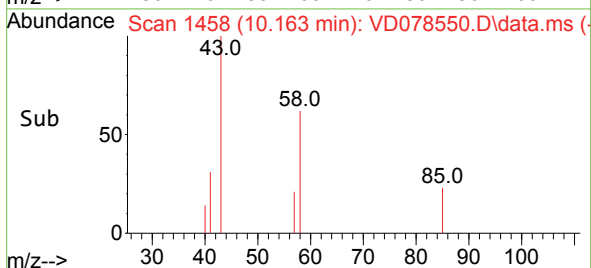
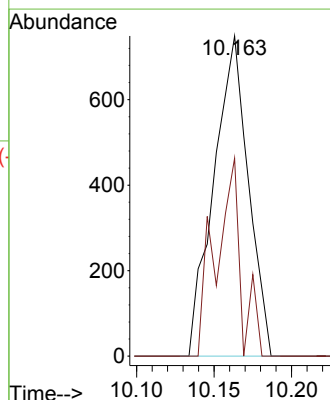
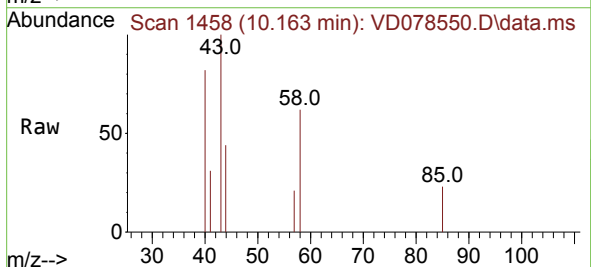
Instrument :
MSVOA_D
ClientSampleId :
1838

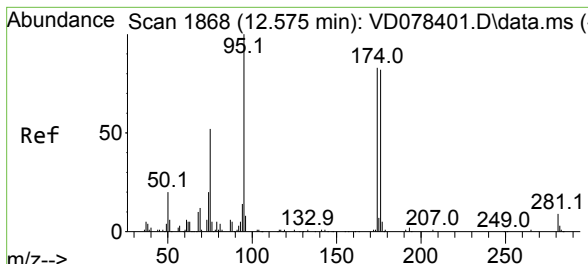
Tgt Ion: 98 Resp: 282495
Ion Ratio Lower Upper
98 100
100 62.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.537 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VD078550.D
Acq: 26 Feb 2024 13:30

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
58 45.0 38.9 58.3

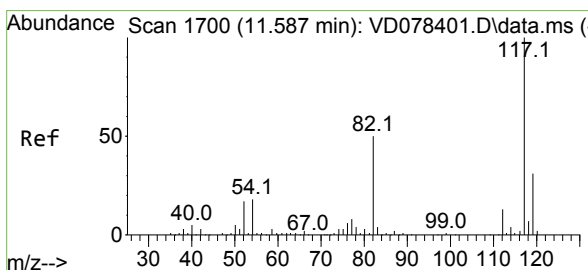
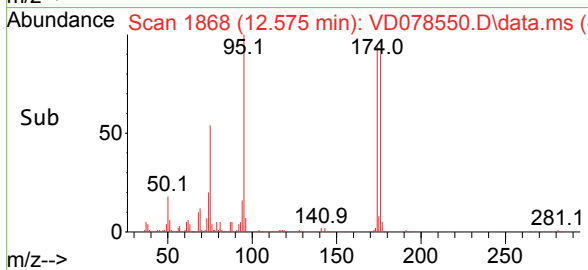
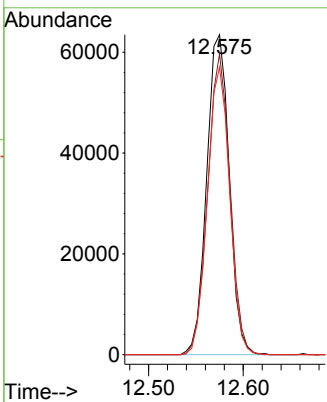
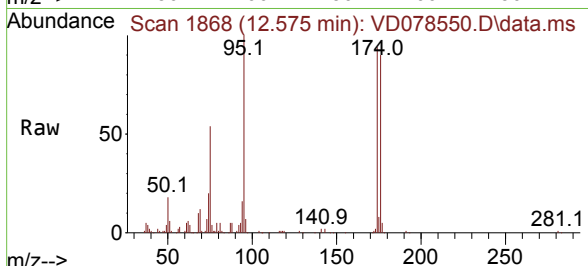




#62
 4-Bromofluorobenzene
 Concen: 63.945 ug/l
 RT: 12.575 min Scan# 11838
 Delta R.T. 0.000 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

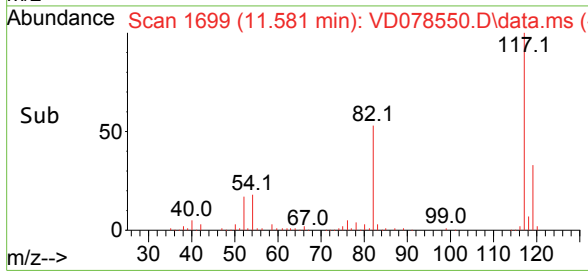
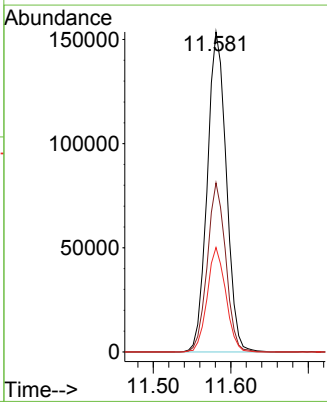
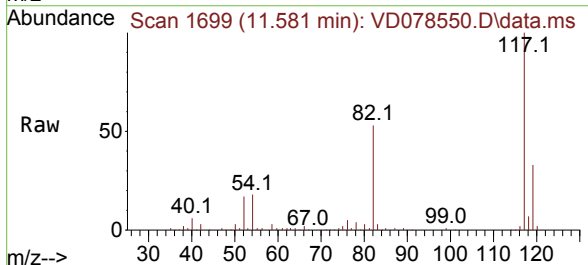
Instrument :
 MSVOA_D
 ClientSampleId :
 1838

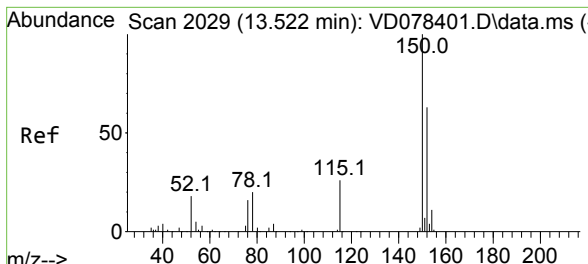
Tgt Ion:	95	Resp:	104996
Ion Ratio	Lower	Upper	
95	100		
174	93.0	0.0	201.8
176	88.4	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

Tgt Ion:	117	Resp:	262460
Ion Ratio	Lower	Upper	
117	100		
82	52.9	38.3	57.5
119	32.6	25.0	37.4

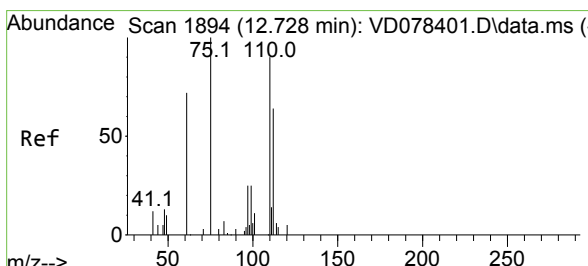
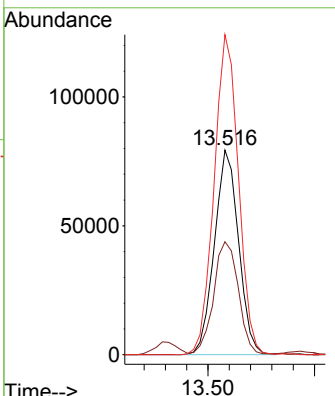
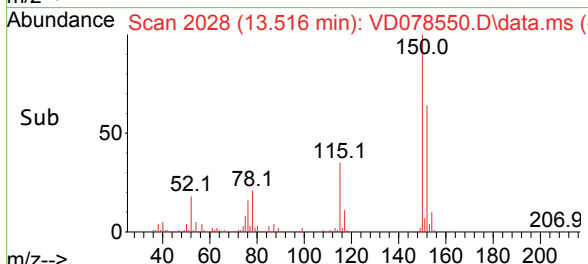
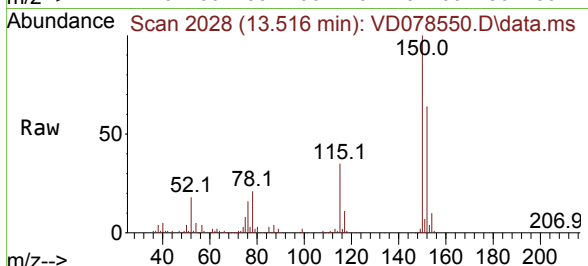




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

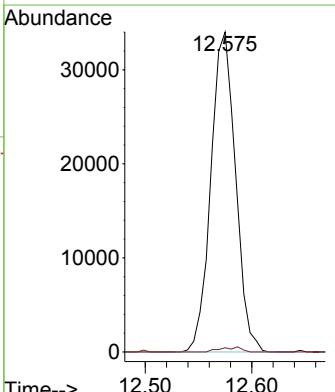
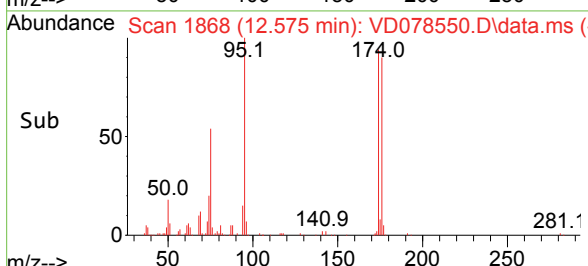
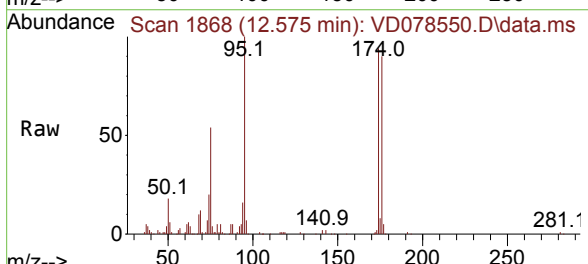
Instrument :
 MSVOA_D
 ClientSampleId :
 1838

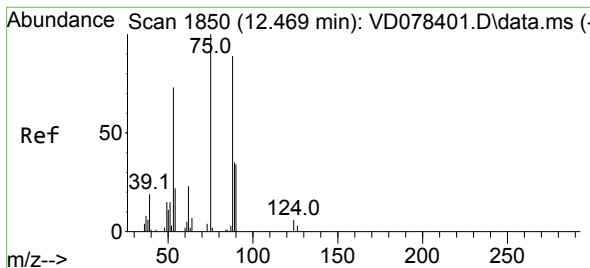
Tgt Ion:	152	Resp:	124967
Ion Ratio	Lower	Upper	
152	100		
115	56.8	27.1	81.3
150	157.4	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.545 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

Tgt Ion:	75	Resp:	54686
Ion Ratio	Lower	Upper	
75	100		
77	1.3	0.0	0.0#

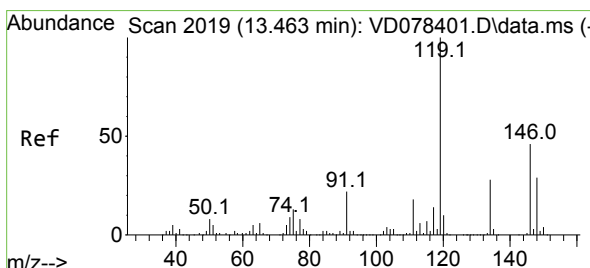
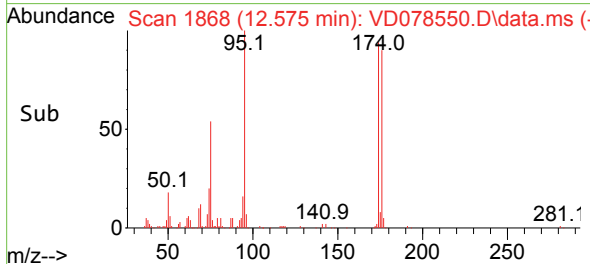
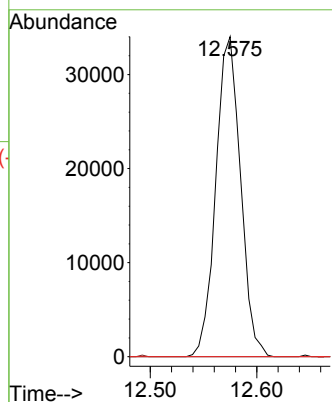
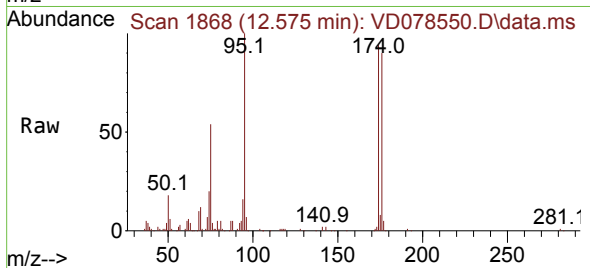




#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.009 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

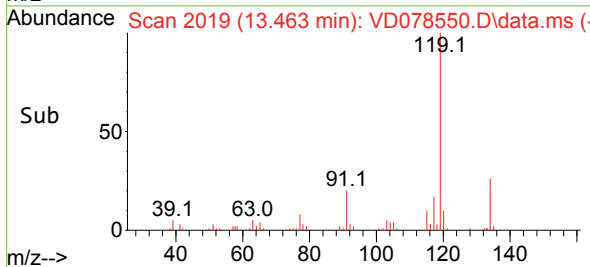
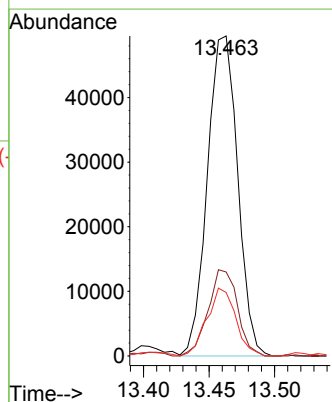
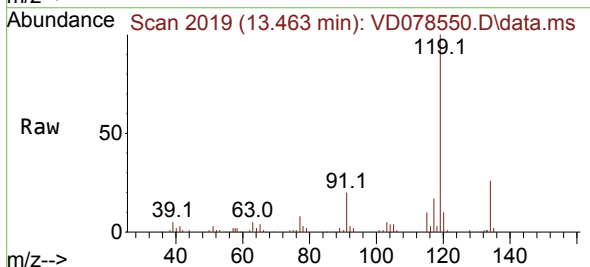
Instrument :
 MSVOA_D
 ClientSampleId :
 1838

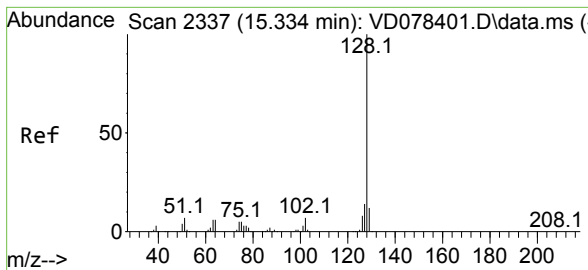
Tgt Ion: 75 Resp: 54686
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#



#86
 p-Isopropyltoluene
 Concen: 10.249 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

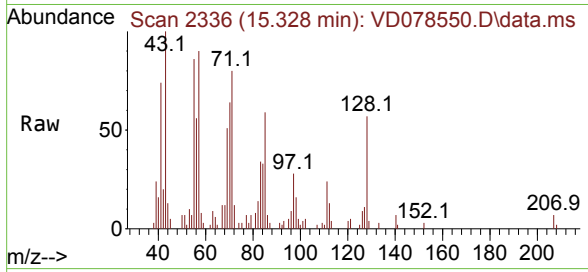
Tgt Ion: 119 Resp: 79559
 Ion Ratio Lower Upper
 119 100
 134 26.1 14.2 42.6
 91 20.2 10.5 31.5





#95
 Naphthalene
 Concen: 2.642 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD078550.D
 Acq: 26 Feb 2024 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 1838



Tgt Ion:	128	Resp:	10180
Ion Ratio	Lower	Upper	
128	100		
127	19.4	10.5	15.7#
129	7.3	8.7	13.1#

