

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077423.D
 Acq On : 25 Oct 2023 19:18
 Operator : JC/SY
 Sample : 05027-04
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

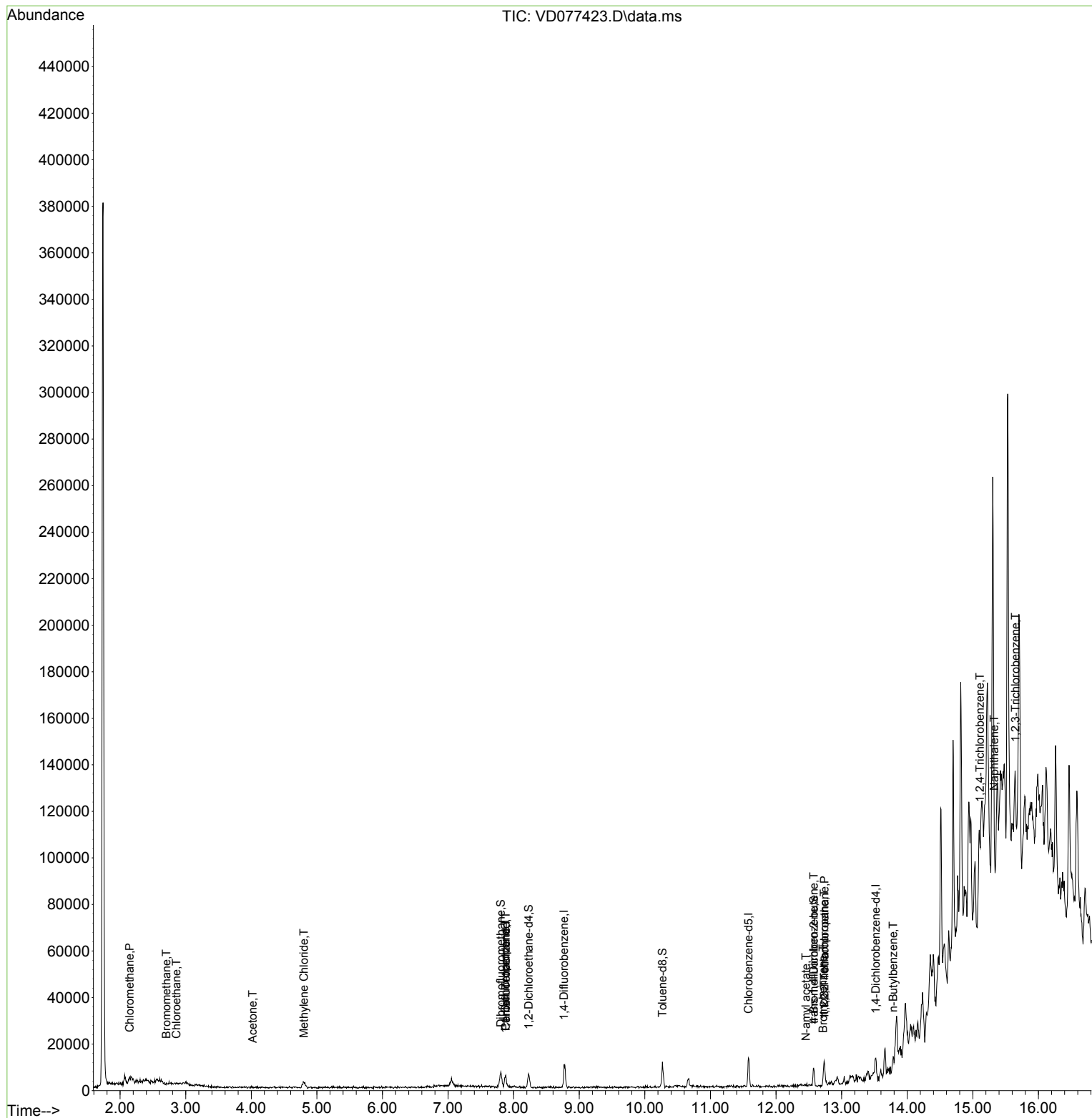
Internal Standards						
1) Pentafluorobenzene	7.881	168	5092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	10375	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.581	117	9027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	2390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4850	106.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 213.340%#	
35) Dibromofluoromethane	7.804	113	5227	71.712	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 143.420%	
50) Toluene-d8	10.269	98	8529	32.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 65.340%	
62) 4-Bromofluorobenzene	12.575	95	2417	32.166	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 64.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	433	4.492	ug/l #	41
5) Bromomethane	2.705	94	109	1.490	ug/l #	17
6) Chloroethane	2.858	64	455	5.684	ug/l #	43
16) Acetone	4.022	43	127	12.737	ug/l #	32
20) Methylene Chloride	4.805	84	2473	40.029	ug/l #	75
36) 1,1-Dichloropropene	7.869	75	181	1.890	ug/l #	39
38) Carbon Tetrachloride	7.881	117	192	1.802	ug/l #	11
74) N-amyl acetate	12.457	43	61	2.682	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.739	83	332	11.557	ug/l #	25
76) 1,2,3-Trichloropropane	12.734	75	134	6.643	ug/l #	100
77) Bromobenzene	12.716	156	119	2.867	ug/l #	32
81) trans-1,4-Dichloro-2-b...	12.575	75	1277	143.170	ug/l #	17
89) n-Butylbenzene	13.786	91	135	1.025	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.110	180	345	7.505	ug/l #	11
95) Naphthalene	15.328	128	1761	22.689	ug/l #	45
96) 1,2,3-Trichlorobenzene	15.651	180	826	20.701	ug/l	71

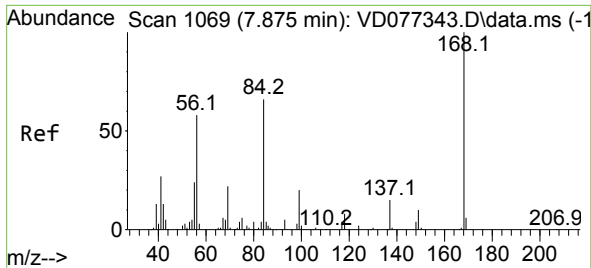
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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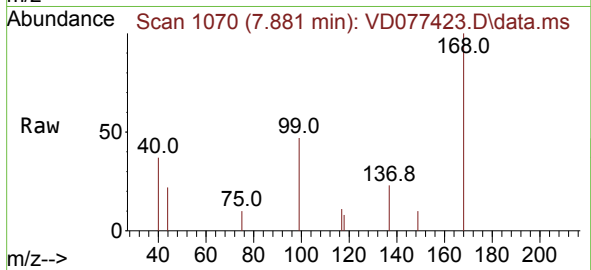
Quant Time: Oct 26 07:03:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
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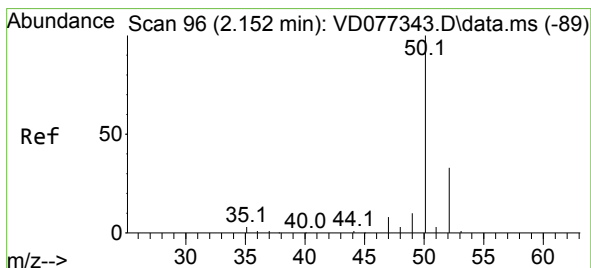
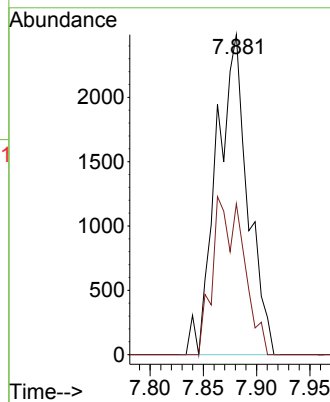
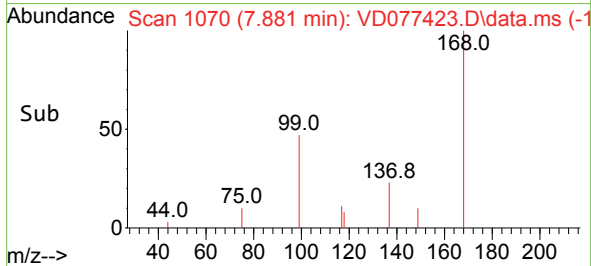


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Instrument :
MSVOA_D
ClientSampleId :

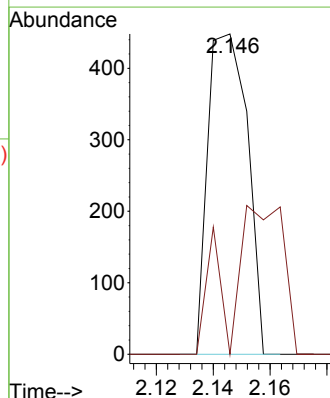
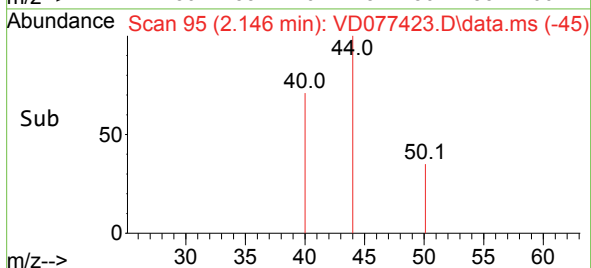
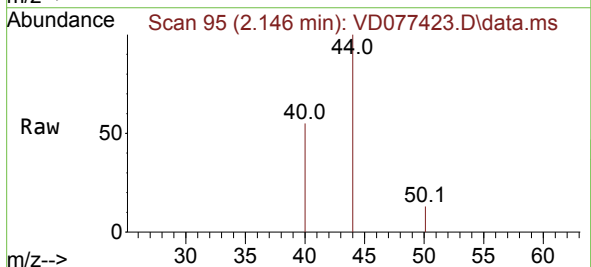


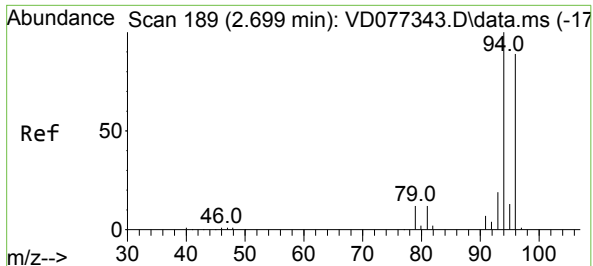
Tgt Ion:168 Resp: 5092
Ion Ratio Lower Upper
168 100
99 47.2 36.7 55.1



#3
Chloromethane
Concen: 4.492 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

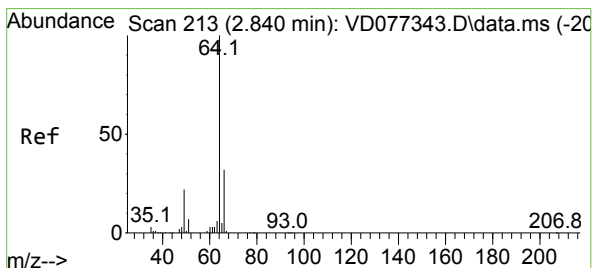
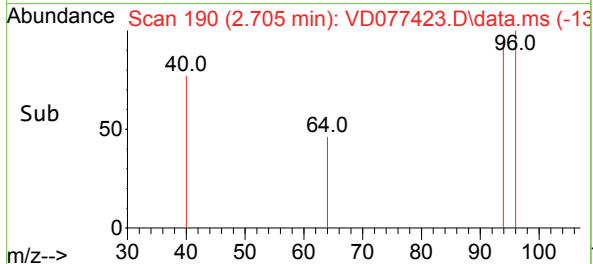
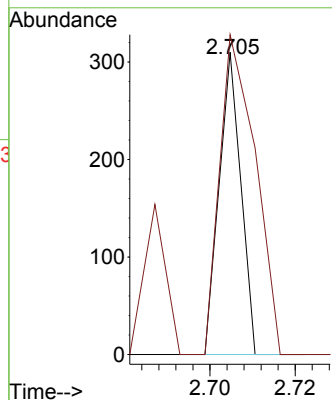
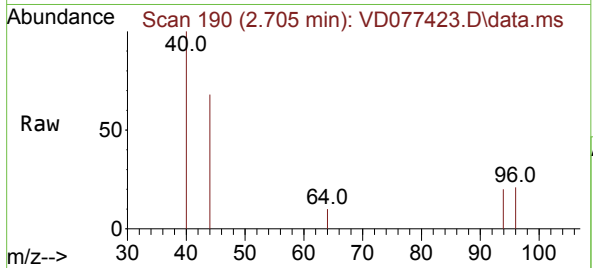




#5
Bromomethane
Concen: 1.490 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.006 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

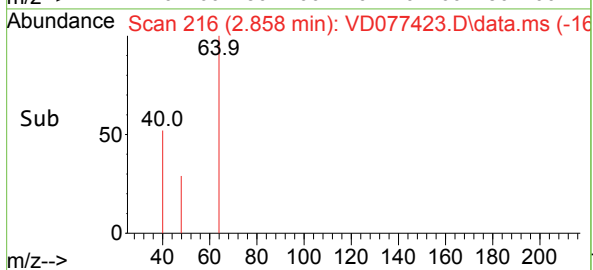
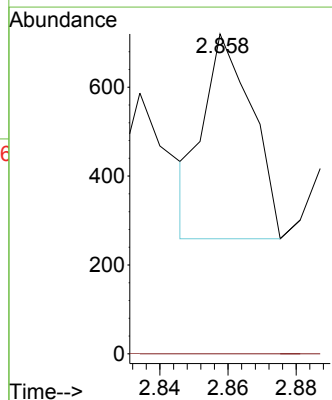
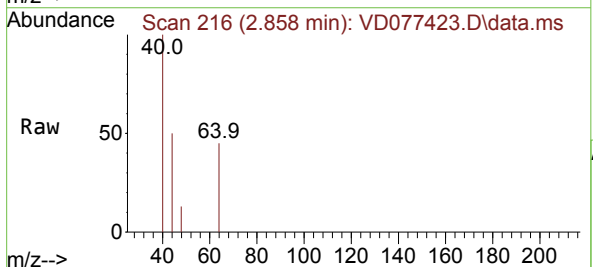
Instrument :
MSVOA_D
ClientSampleId :

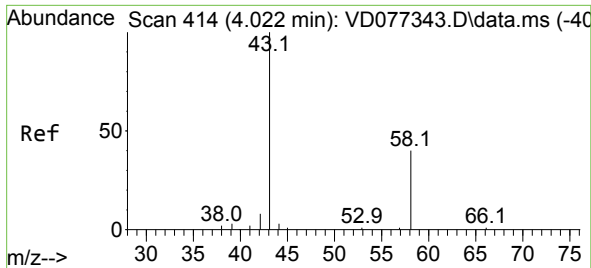
Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 175.2 75.8 113.8#



#6
Chloroethane
Concen: 5.684 ug/l
RT: 2.858 min Scan# 216
Delta R.T. 0.018 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Tgt Ion: 64 Resp: 455
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#

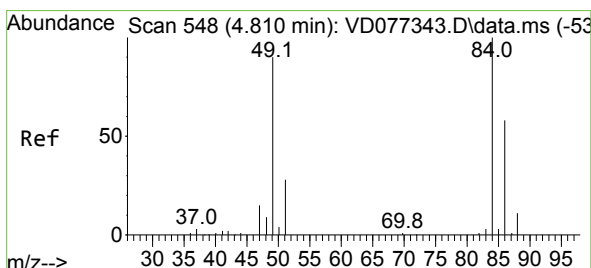
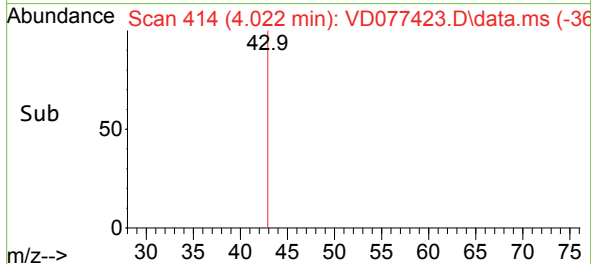
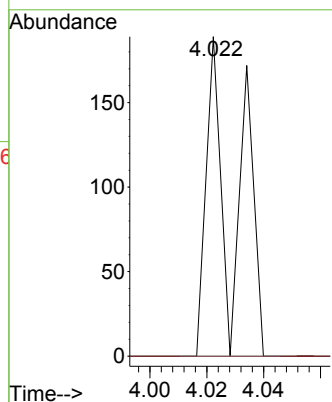
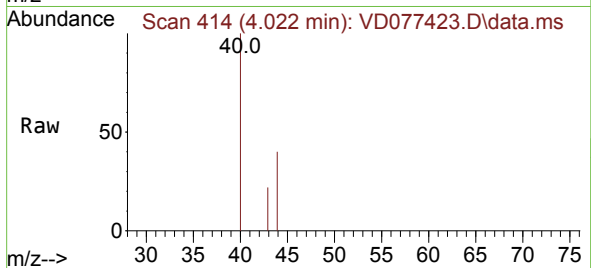




#16
Acetone
Concen: 12.737 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

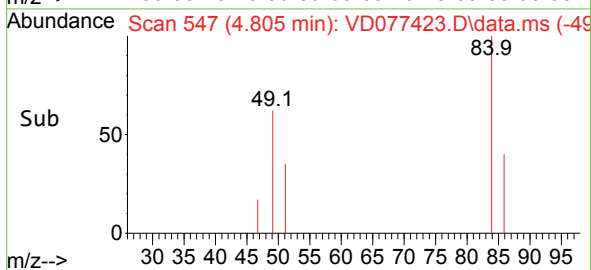
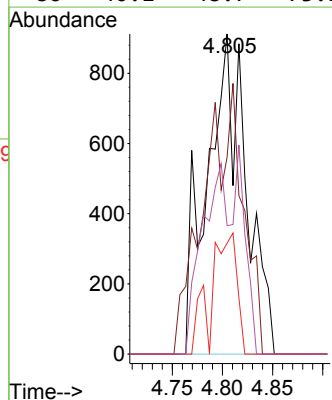
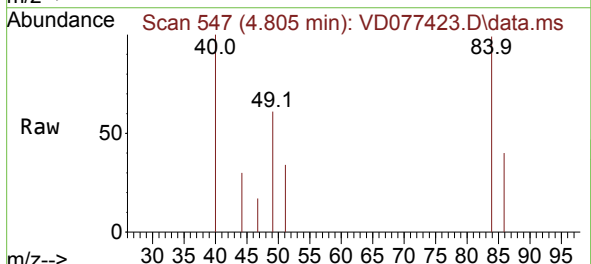
Instrument :
MSVOA_D
ClientSampleId :

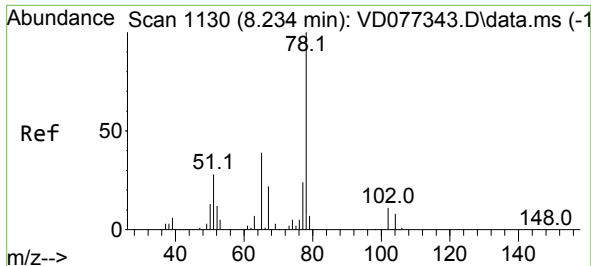
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 40.029 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Tgt Ion: 84 Resp: 2473
Ion Ratio Lower Upper
84 100
49 61.5 71.4 107.2#
51 34.6 24.5 36.7
86 40.1 48.7 73.1#

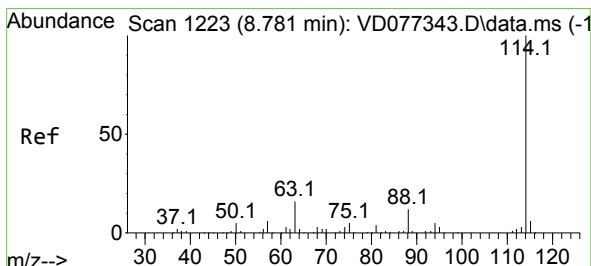
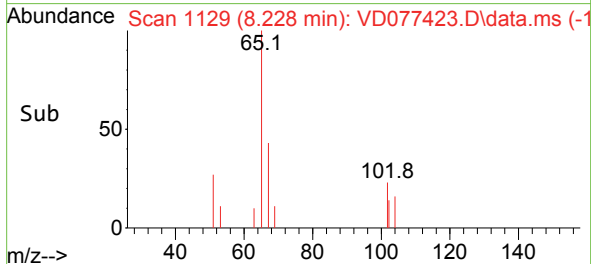
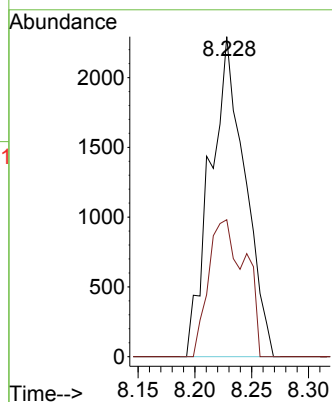
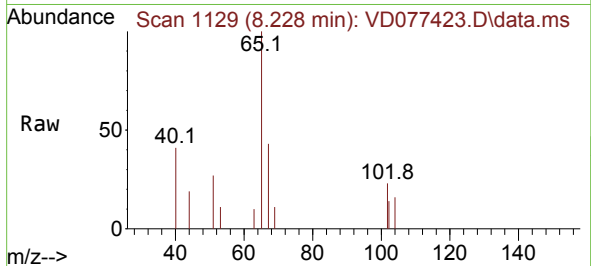




#33
1,2-Dichloroethane-d4
Concen: 106.667 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

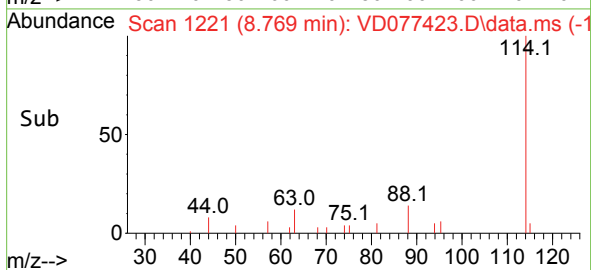
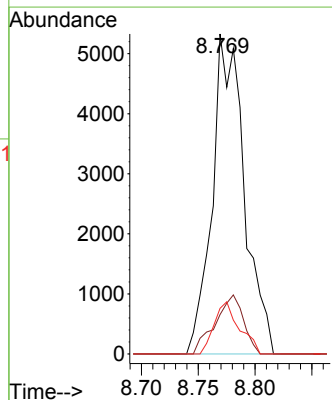
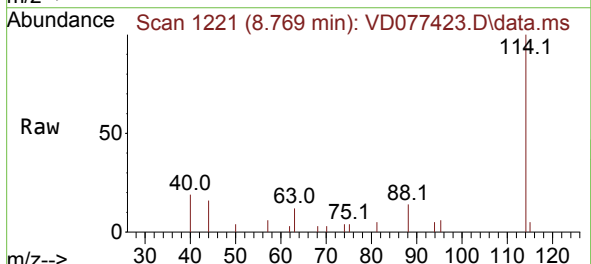
Instrument :
MSVOA_D
ClientSampleId :

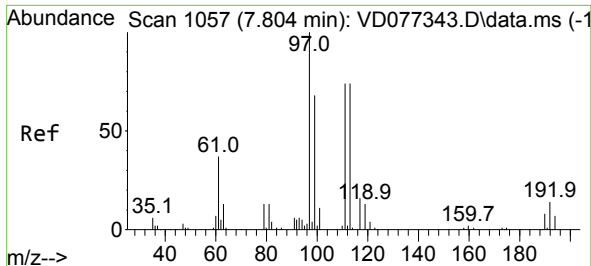
Tgt Ion: 65 Resp: 4850
Ion Ratio Lower Upper
65 100
67 45.2 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.769 min Scan# 1221
Delta R.T. -0.012 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Tgt Ion: 114 Resp: 10375
Ion Ratio Lower Upper
114 100
63 12.3 0.0 33.4
88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 71.712 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

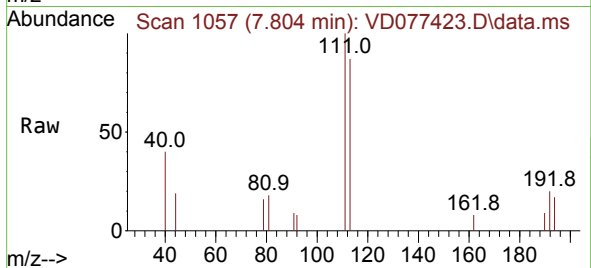
Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :



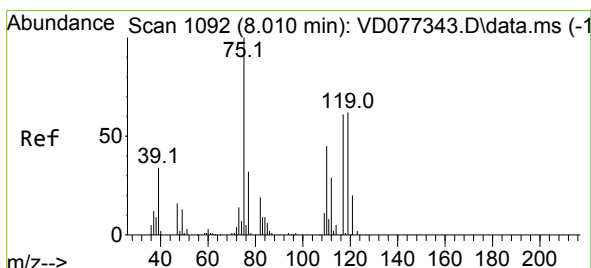
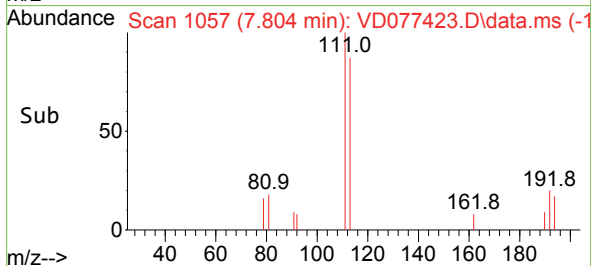
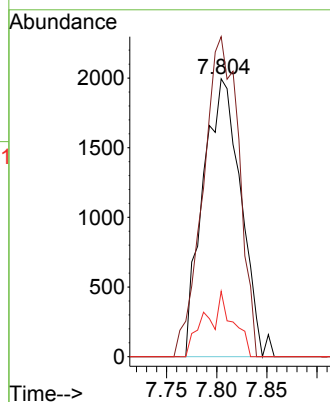
Tgt Ion:113 Resp: 5227

Ion Ratio Lower Upper

113 100

111 108.6 84.7 127.1

192 16.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 1.890 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

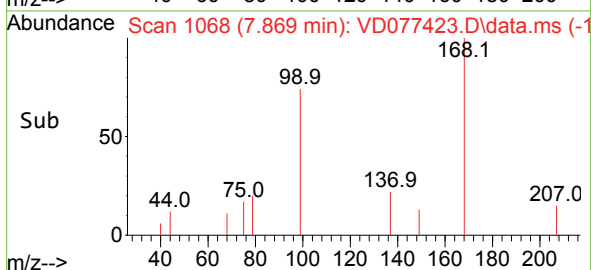
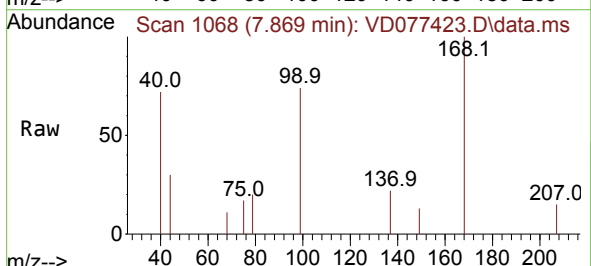
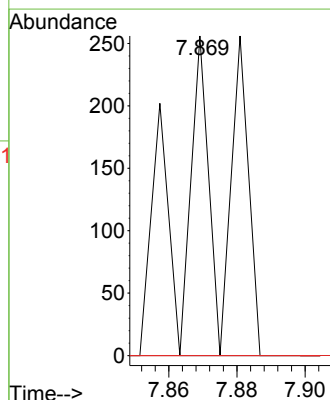
Tgt Ion: 75 Resp: 181

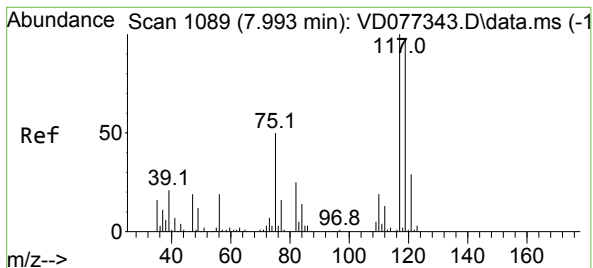
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 1.802 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

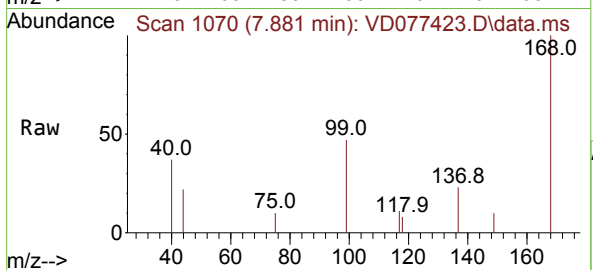
Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :



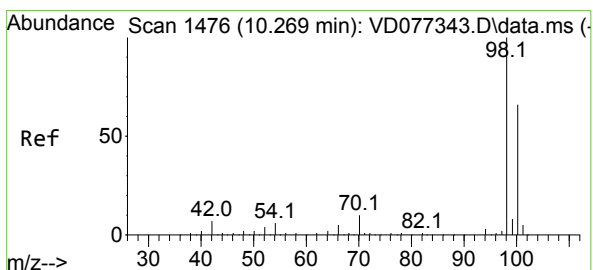
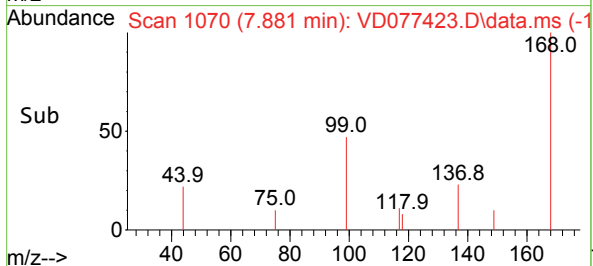
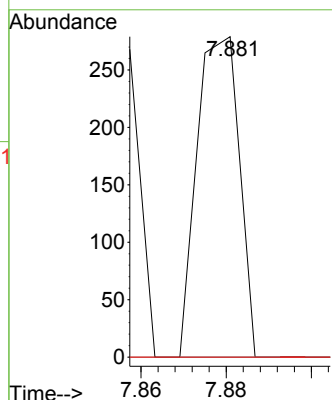
Tgt Ion:117 Resp: 192

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 32.673 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077423.D

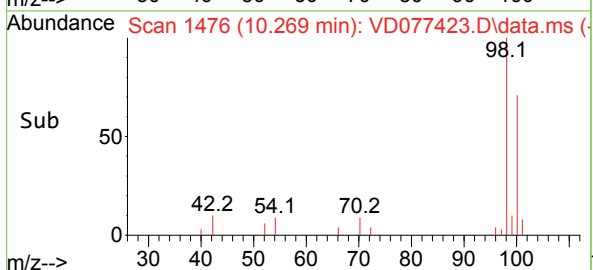
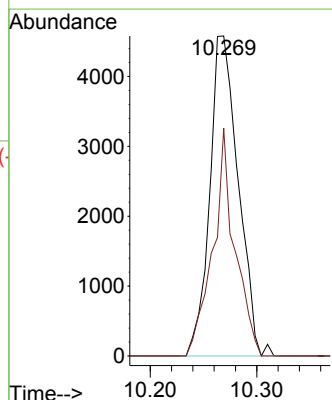
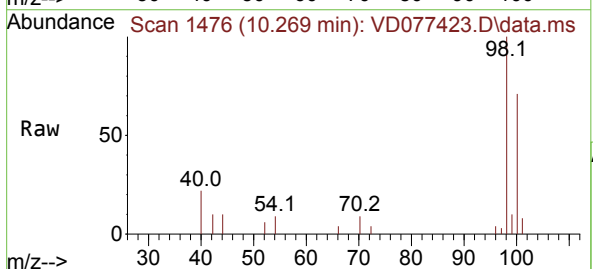
Acq: 25 Oct 2023 19:18

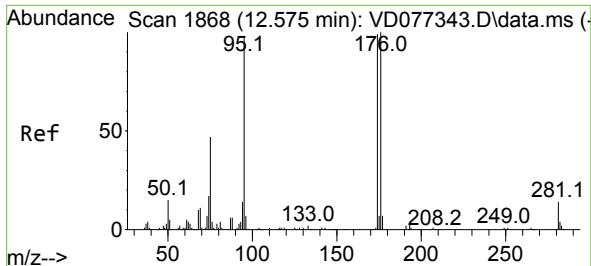
Tgt Ion: 98 Resp: 8529

Ion Ratio Lower Upper

98 100

100 54.8 50.3 75.5

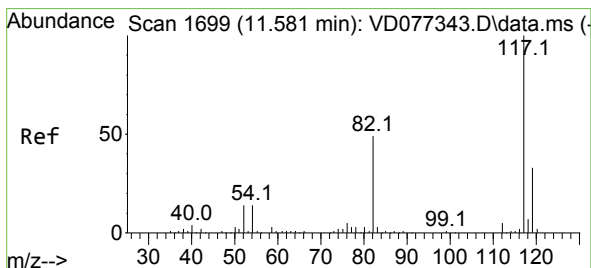
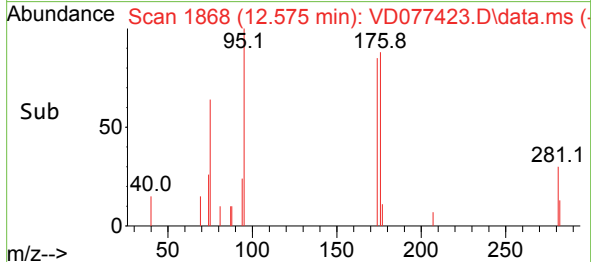
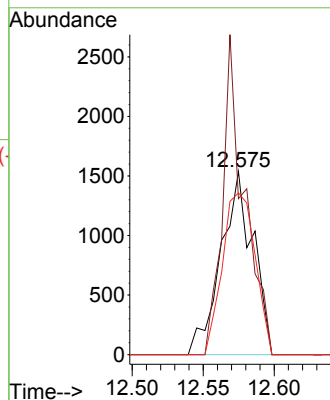
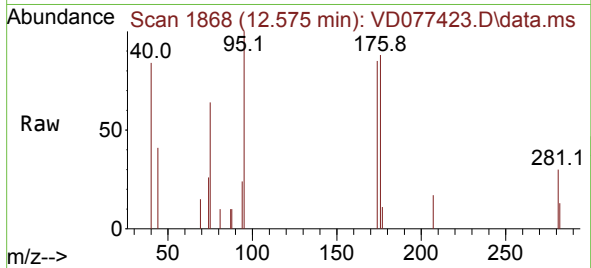




#62
4-Bromofluorobenzene
Concen: 32.166 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

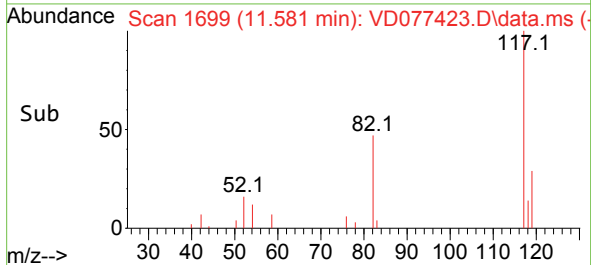
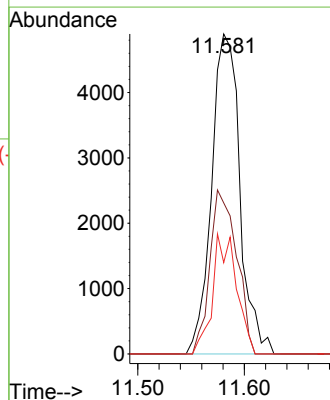
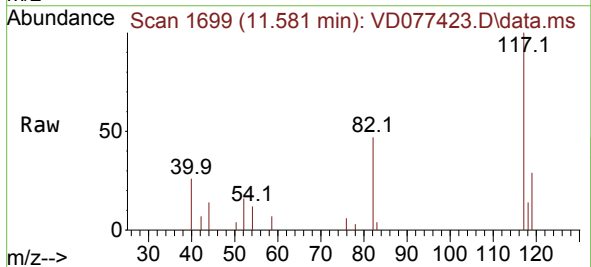
Instrument :
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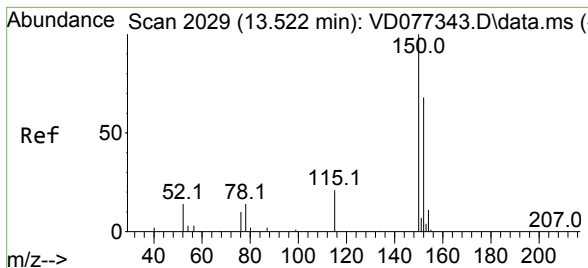
Tgt Ion:	95	Resp:	2417
Ion	Ratio	Lower	Upper
95	100		
174	118.5	0.0	201.8
176	90.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077423.D
Acq: 25 Oct 2023 19:18

Tgt Ion:	117	Resp:	9027
Ion	Ratio	Lower	Upper
117	100		
82	47.2	38.3	57.5
119	28.6	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

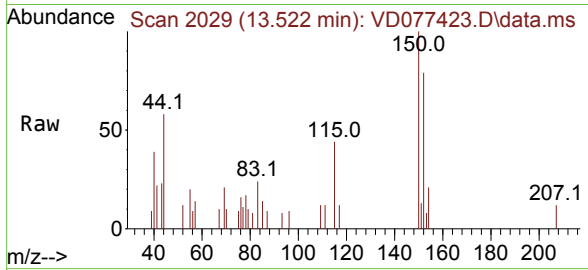
Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :



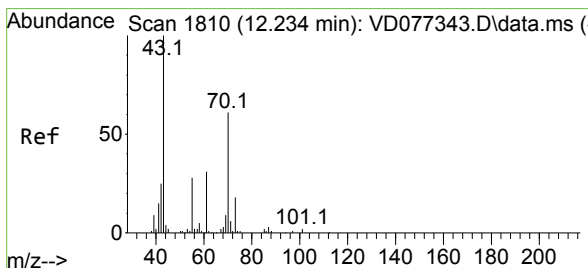
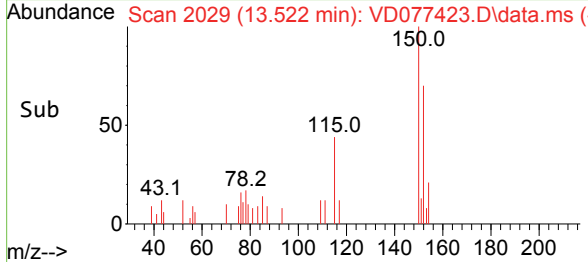
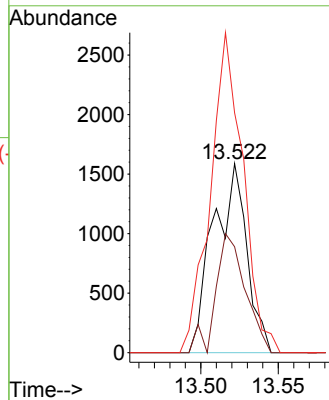
Tgt Ion:152 Resp: 2390

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 164.6 0.0 353.6



#74

N-ethyl acetate

Concen: 2.682 ug/l

RT: 12.457 min Scan# 1848

Delta R.T. 0.223 min

Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Tgt Ion: 43 Resp: 61

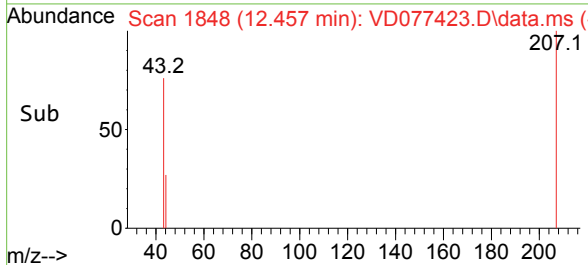
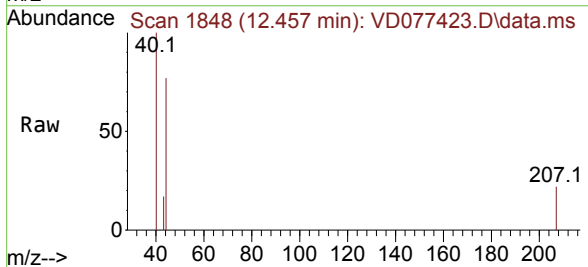
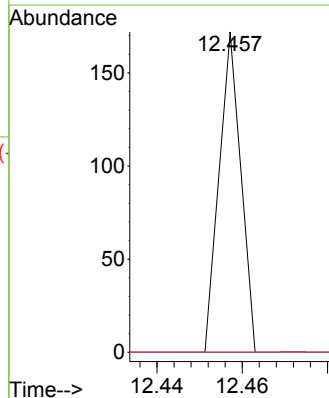
Ion Ratio Lower Upper

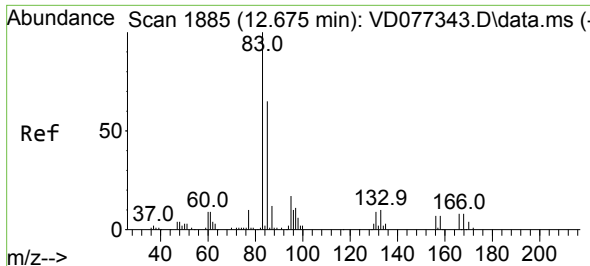
43 100

70 0.0 45.0 67.4#

55 0.0 23.8 35.6#

61 0.0 22.1 33.1#

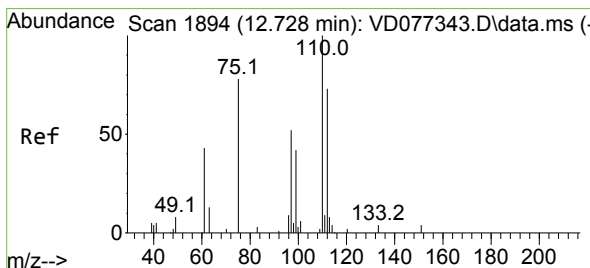
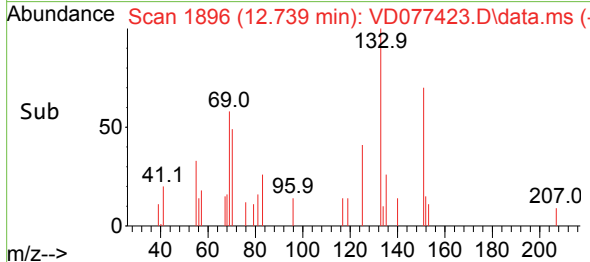
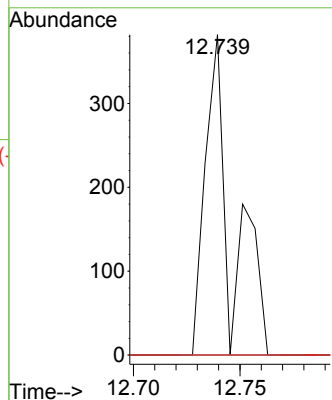
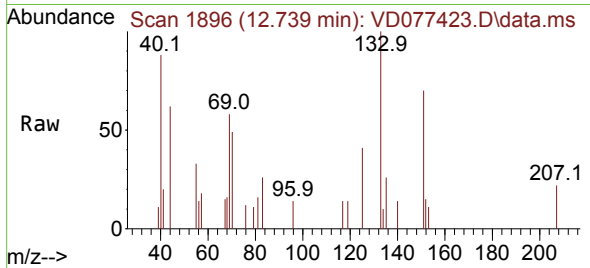




#75
 1,1,2,2-Tetrachloroethane
 Concen: 11.557 ug/l
 RT: 12.739 min Scan# 1896
 Delta R.T. 0.065 min
 Lab File: VD077423.D
 Acq: 25 Oct 2023 19:18

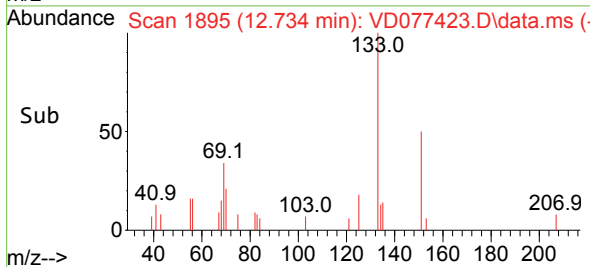
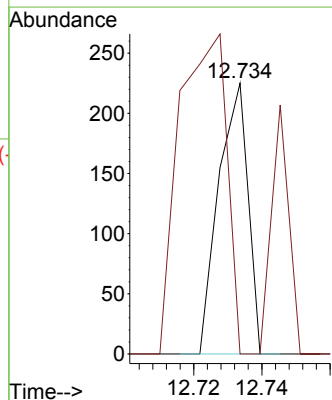
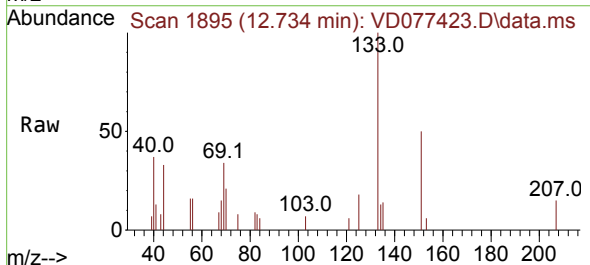
Instrument :
 MSVOA_D
 ClientSampleId :

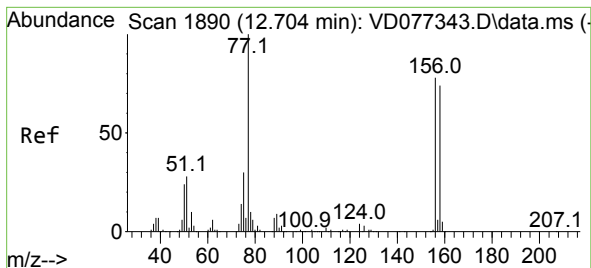
Tgt Ion: 83 Resp: 332
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 0.0 32.6 97.8#



#76
 1,2,3-Trichloropropane
 Concen: 6.643 ug/l
 RT: 12.734 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VD077423.D
 Acq: 25 Oct 2023 19:18

Tgt Ion: 75 Resp: 134
 Ion Ratio Lower Upper
 75 100
 77 191.0 0.0 0.0#





#77

Bromobenzene

Concen: 2.867 ug/l

RT: 12.716 min Scan# 1890

Delta R.T. 0.012 min

Lab File: VD077423.D

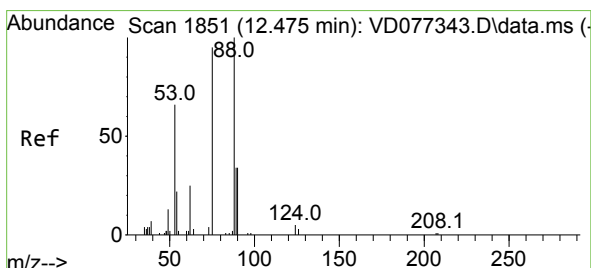
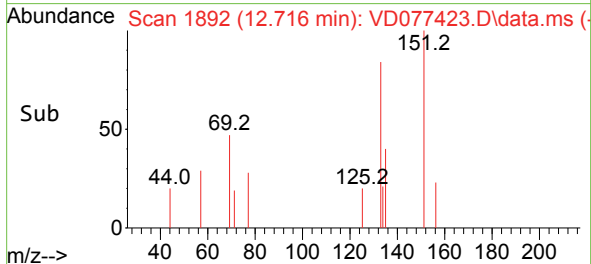
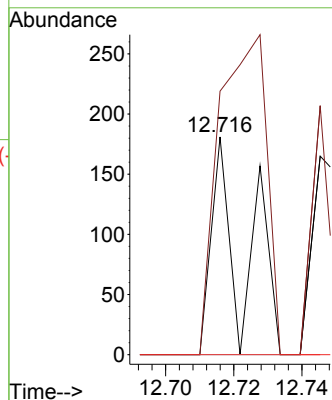
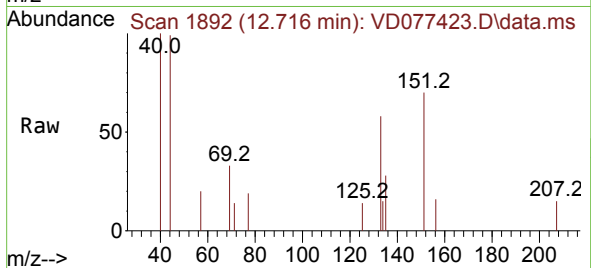
Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	156	Resp:	119
Ion	Ratio	Lower	Upper
156	100		
77	215.1	76.8	230.4
158	0.0	48.6	145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.170 ug/l

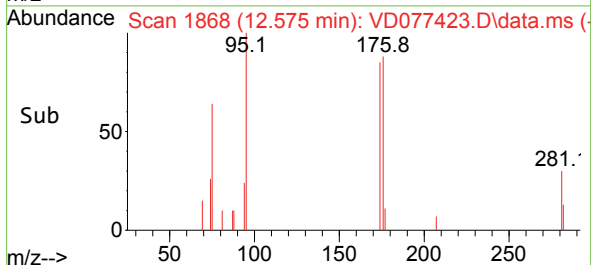
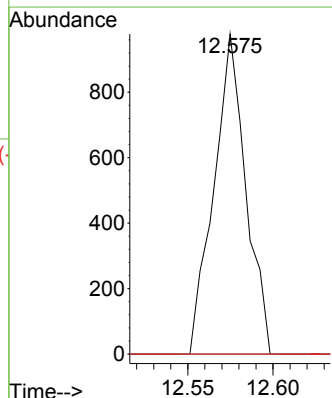
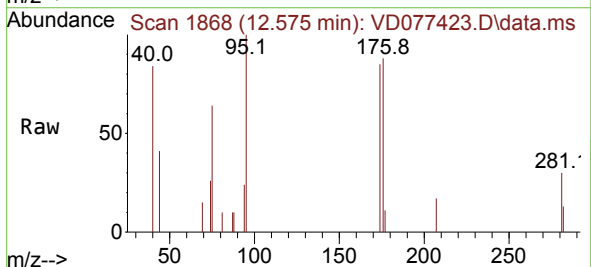
RT: 12.575 min Scan# 1868

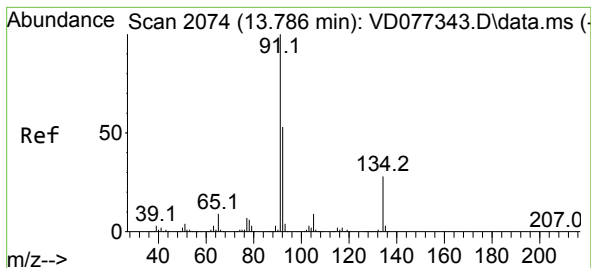
Delta R.T. 0.100 min

Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Tgt Ion:	75	Resp:	1277
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#





#89

n-Butylbenzene

Concen: 1.025 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD077423.D

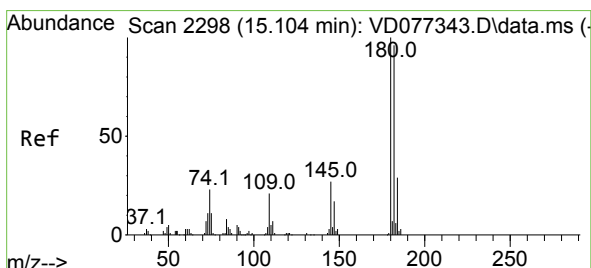
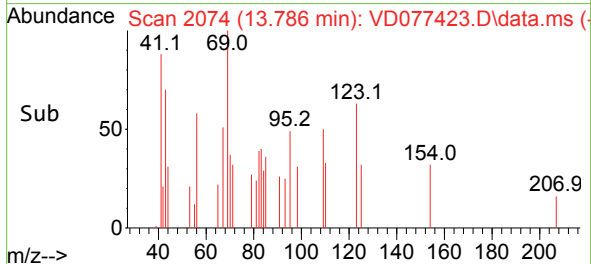
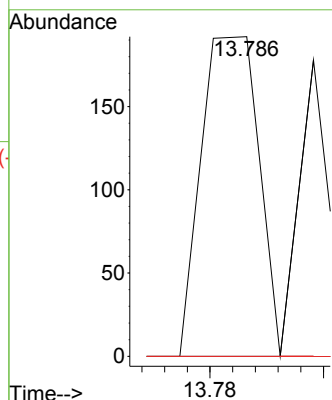
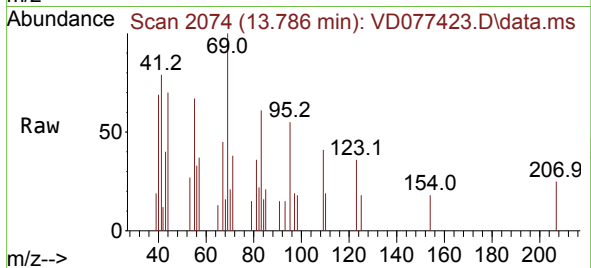
Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 91	Resp:	135
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.5 79.5#
134	0.0	13.8 41.3#



#93

1,2,4-Trichlorobenzene

Concen: 7.505 ug/l

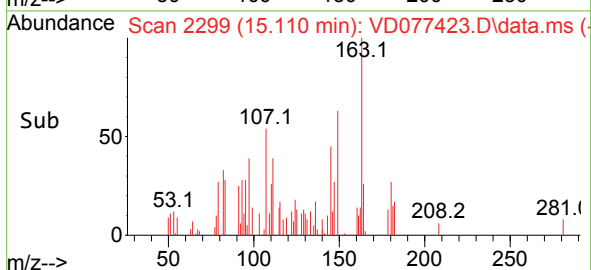
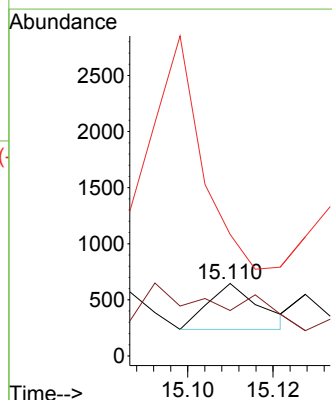
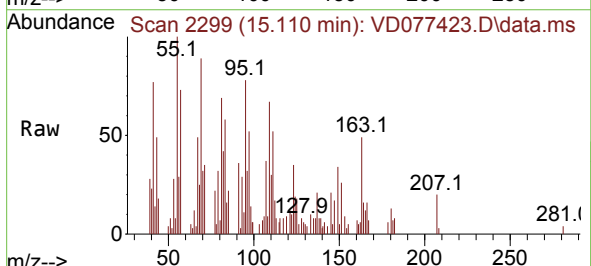
RT: 15.110 min Scan# 2299

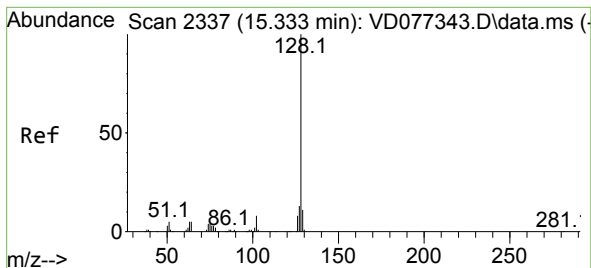
Delta R.T. 0.006 min

Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Tgt Ion: 180	Resp:	345
Ion Ratio	Lower	Upper
180	100	
182	0.0	48.5 145.6#
145	0.0	14.2 42.6#





#95

Naphthalene

Concen: 22.689 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077423.D

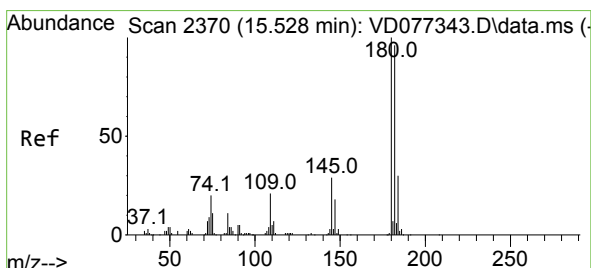
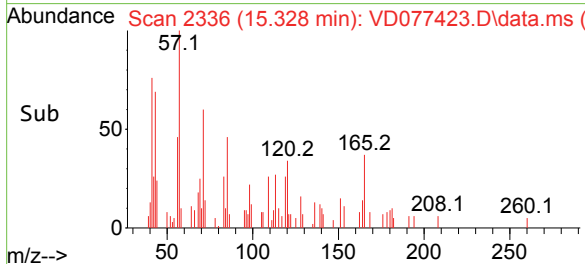
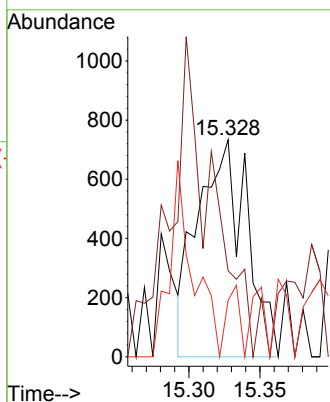
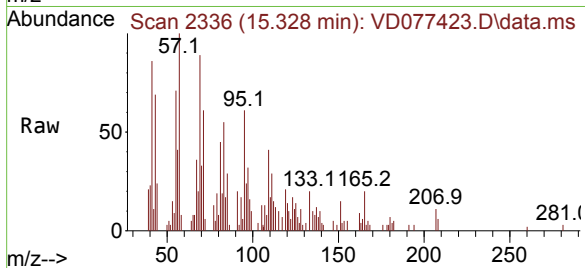
Acq: 25 Oct 2023 19:18

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	1761
Ion Ratio	Lower	Upper
128	100	
127	39.6	10.5 15.7#
129	26.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 20.701 ug/l

RT: 15.651 min Scan# 2391

Delta R.T. 0.124 min

Lab File: VD077423.D

Acq: 25 Oct 2023 19:18

Tgt Ion:180	Resp:	826
Ion Ratio	Lower	Upper
180	100	
182	129.2	47.3 141.9
145	25.4	15.1 45.3

