

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075338.D
 Acq On : 14 Feb 2023 12:52
 Operator : KP/SY
 Sample : 01537-08
 Misc : 6.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-8

Quant Time: Feb 15 03:32:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

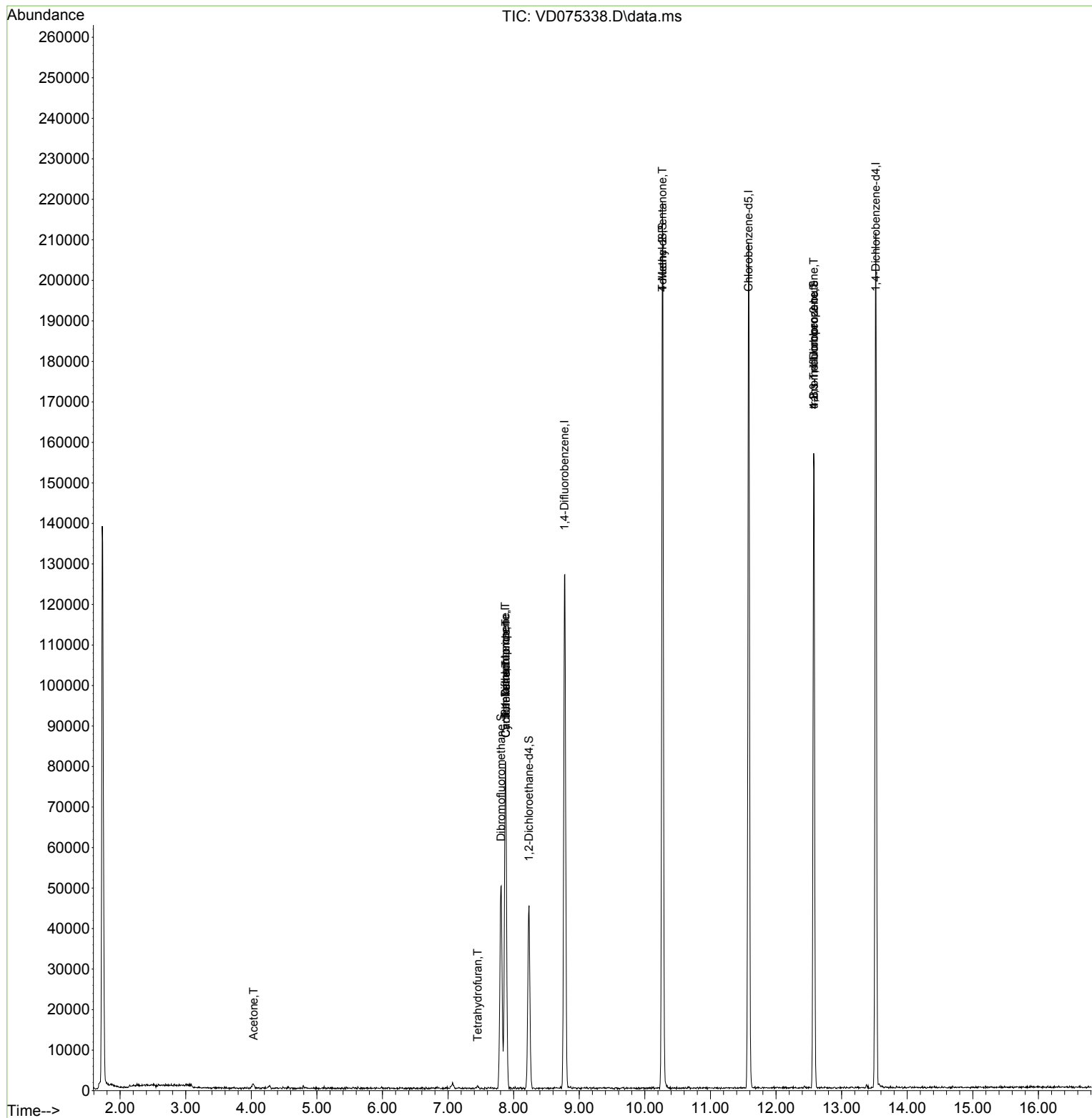
Internal Standards						
1) Pentafluorobenzene	7.875	168	60616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	110154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	114901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	53565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	35195	49.517	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.040%		
35) Dibromofluoromethane	7.810	113	35493	45.952	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.900%		
50) Toluene-d8	10.269	98	139180	47.515	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.575	95	47722	49.409	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	247	Below Cal	#	41
16) Acetone	4.034	43	1611	8.572	ug/l #	42
18) Methyl Acetate	4.581	43	324	Below Cal	#	52
20) Methylene Chloride	4.816	84	156	Below Cal	#	6
29) Tetrahydrofuran	7.452	42	359	2.863	ug/l #	34
31) Cyclohexane	7.881	56	1648	1.306	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	5396	4.485	ug/l #	46
38) Carbon Tetrachloride	7.881	117	6199	5.560	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	807	1.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	26892	44.200	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	26892	139.556	ug/l #	14

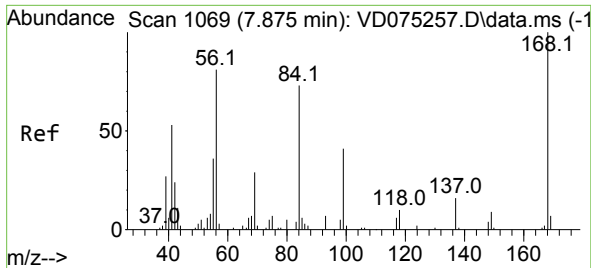
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 2023
Response via : Initial Calibration

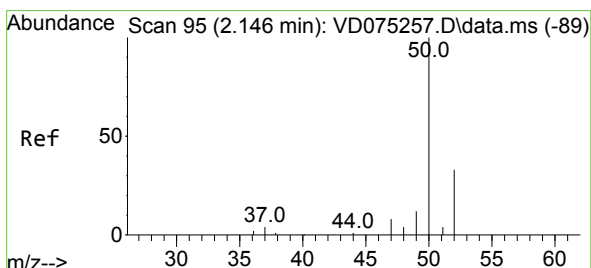
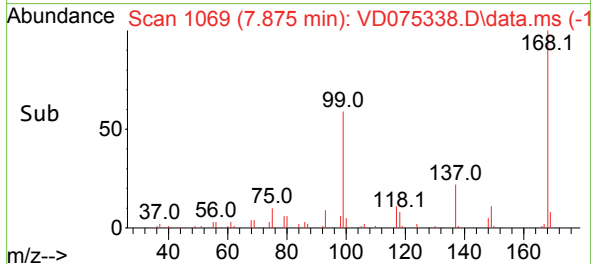
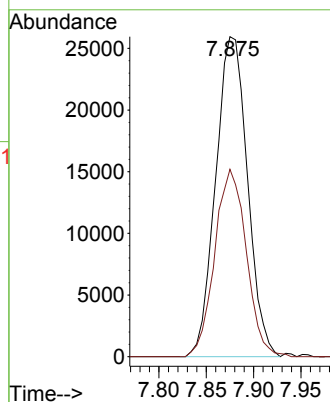
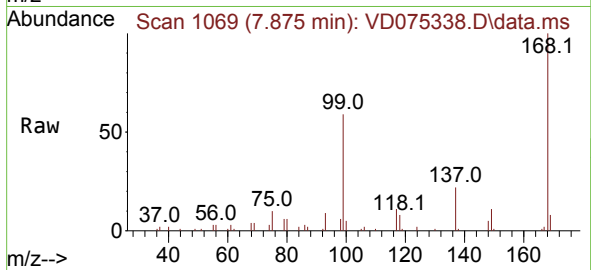




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

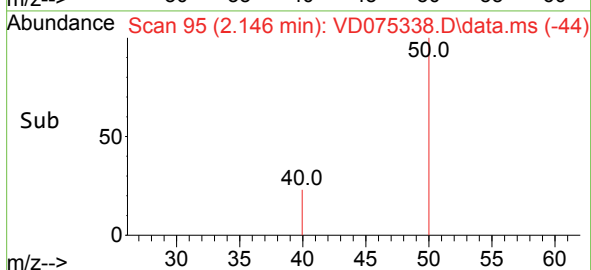
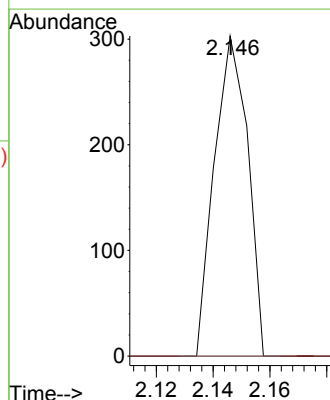
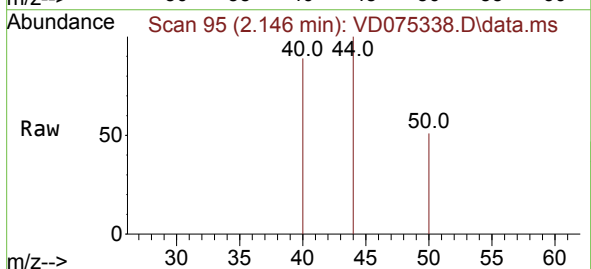
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

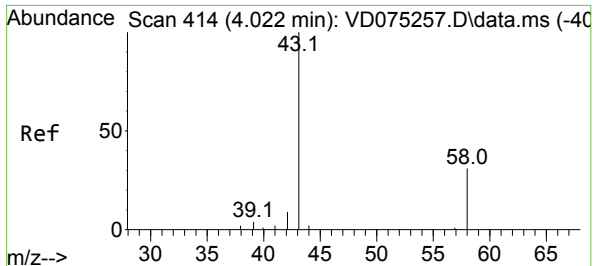
Tgt Ion:168 Resp: 60616
Ion Ratio Lower Upper
168 100
99 58.5 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

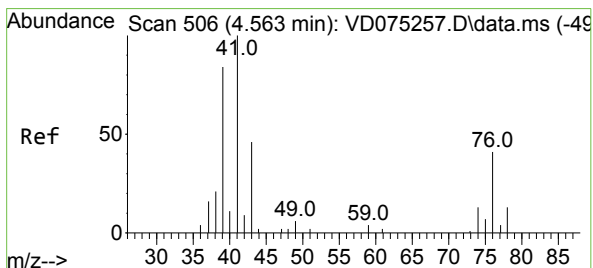
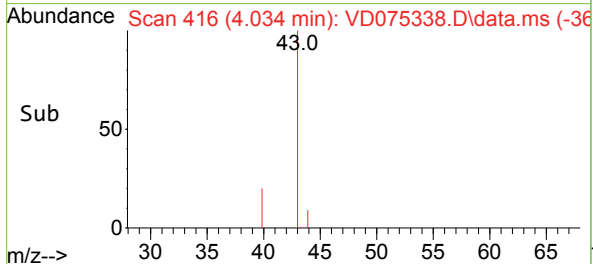
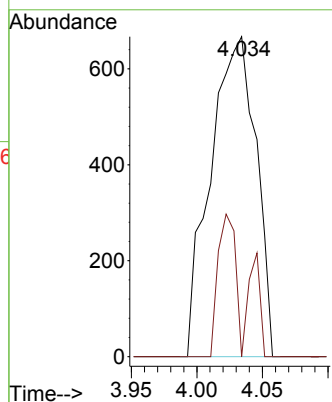
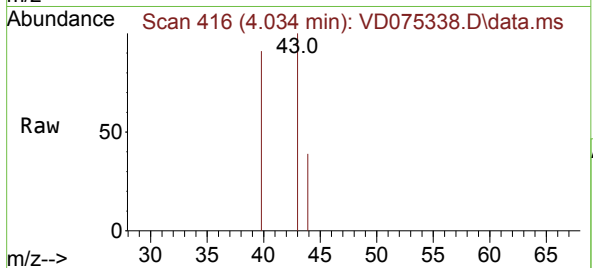




#16
Acetone
Concen: 8.572 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

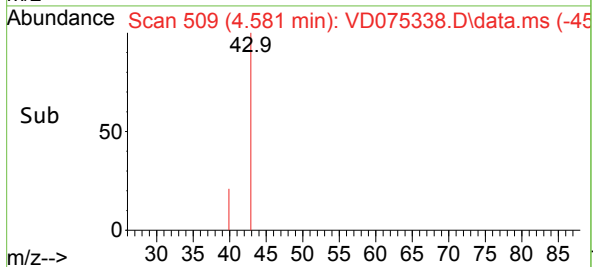
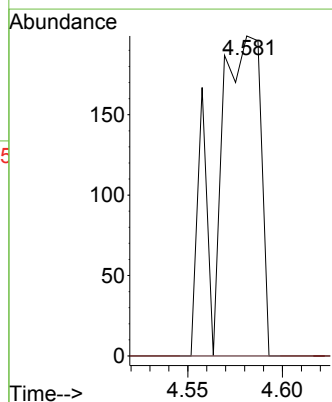
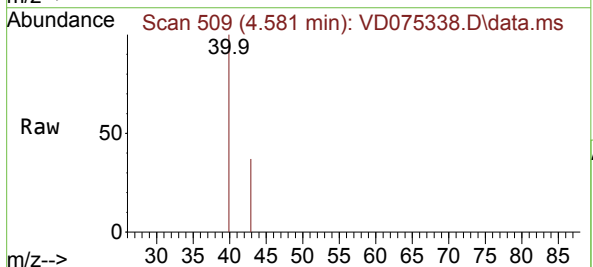
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

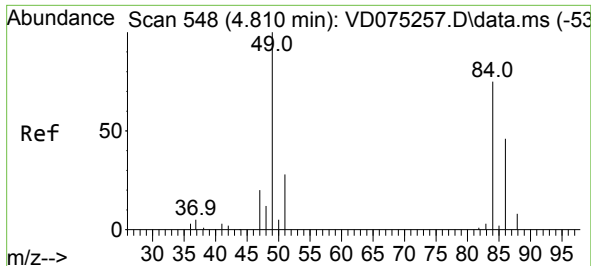
Tgt Ion: 43 Resp: 1611
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.581 min Scan# 509
Delta R.T. 0.018 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

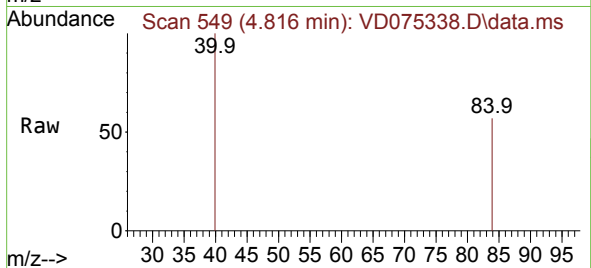
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



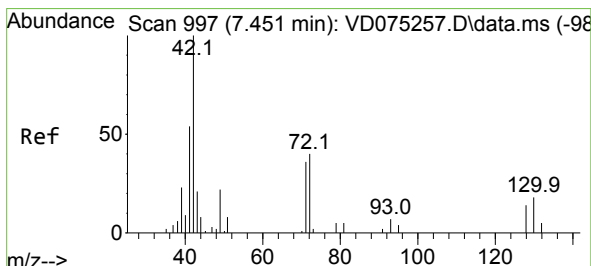
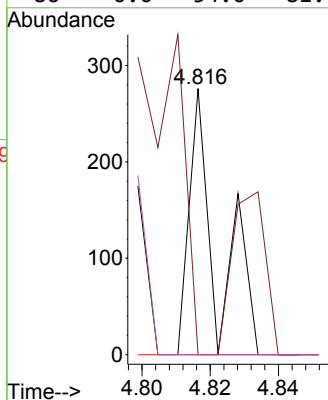
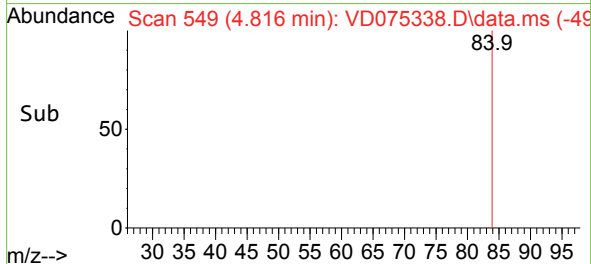


#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

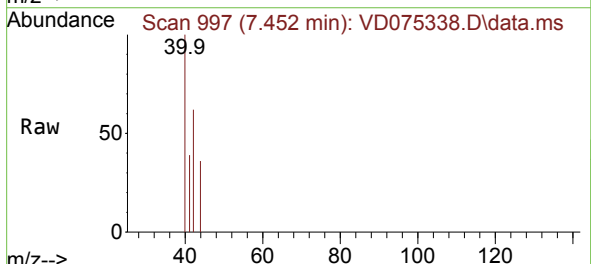
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8



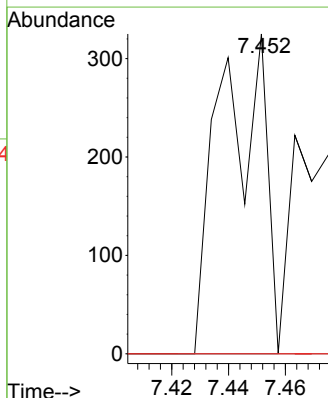
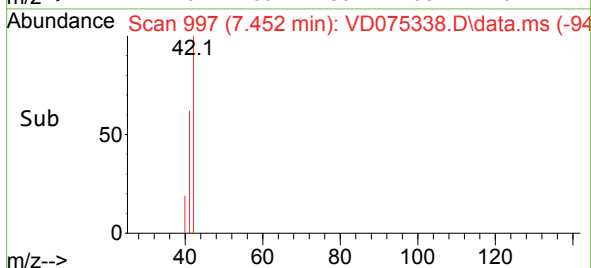
Tgt Ion: 84 Resp: 156
Ion Ratio Lower Upper
84 100
49 0.0 97.0 145.6#
51 0.0 30.9 46.3#
86 0.0 54.0 81.0#

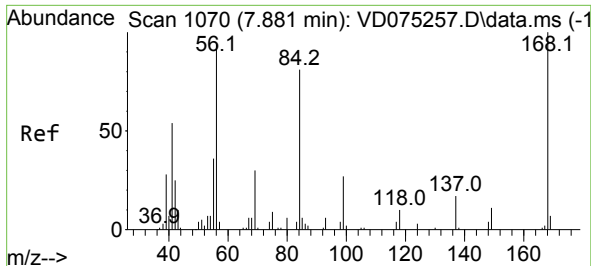


#29
Tetrahydrofuran
Concen: 2.863 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.001 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52



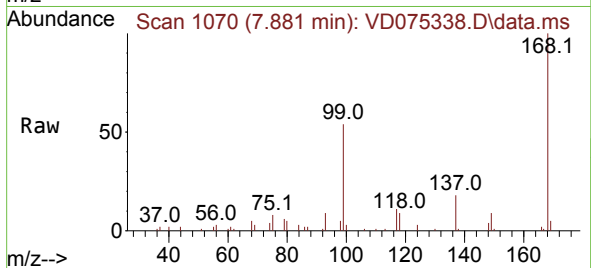
Tgt Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.8#
71 0.0 31.6 47.4#



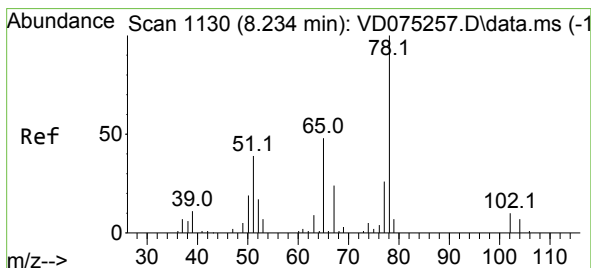
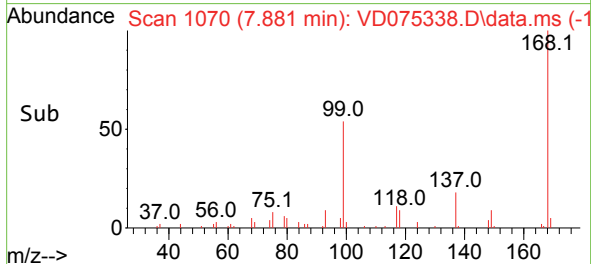
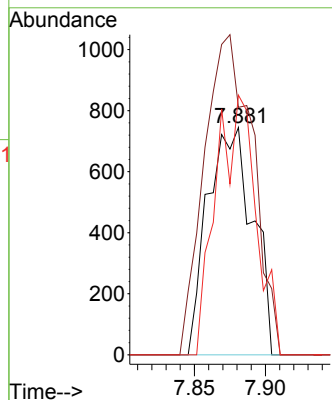


#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

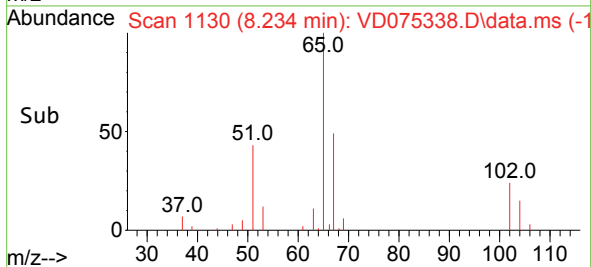
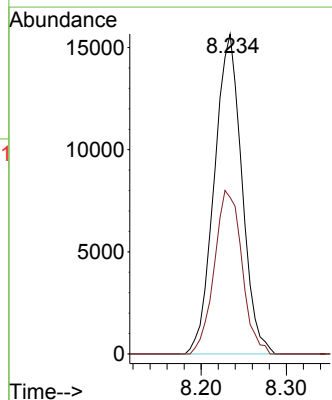
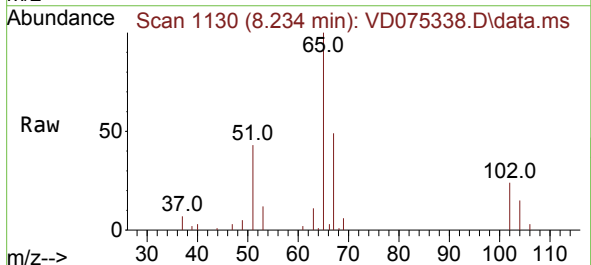


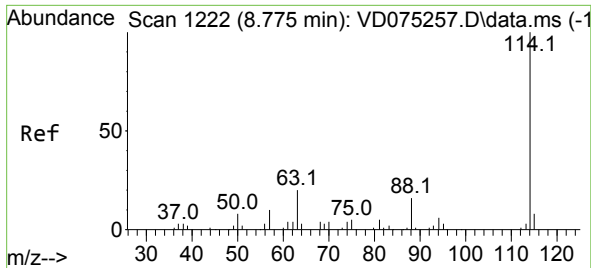
Tgt Ion: 56 Resp: 1648
Ion Ratio Lower Upper
56 100
69 108.9 26.6 40.0#
84 114.2 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 49.517 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion: 65 Resp: 35195
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.2

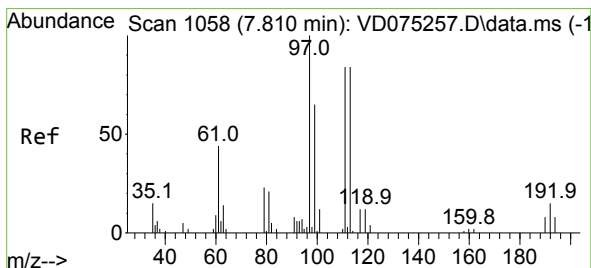
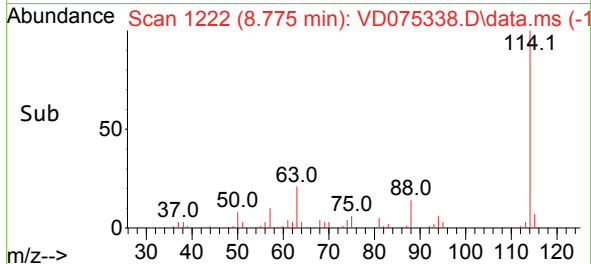
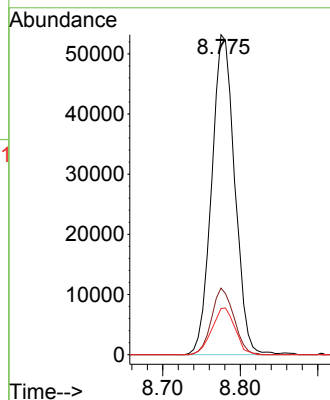
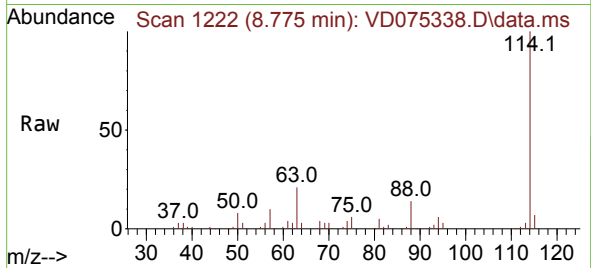




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

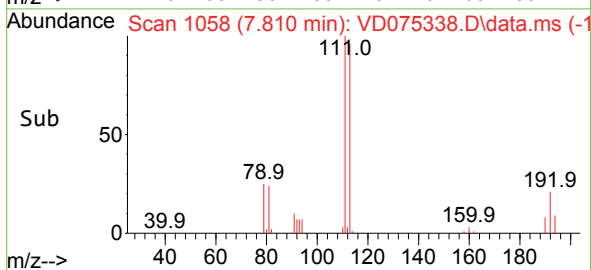
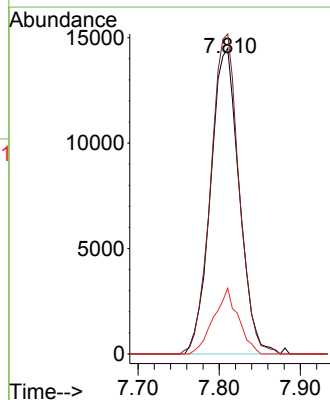
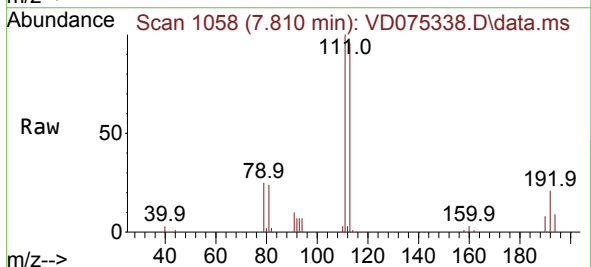
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

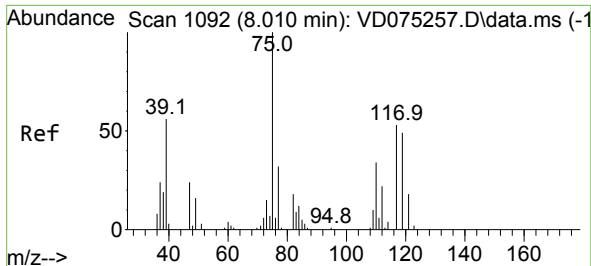
Tgt Ion:114 Resp: 110154
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.2
88 14.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 45.952 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion:113 Resp: 35493
Ion Ratio Lower Upper
113 100
111 103.6 80.1 120.1
192 18.5 15.4 23.0

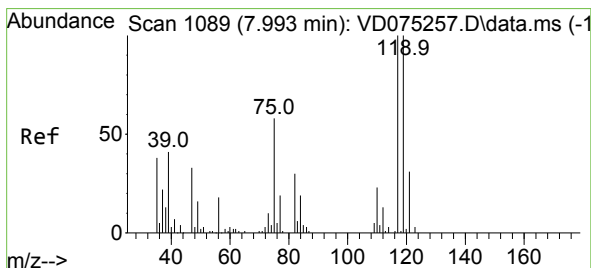
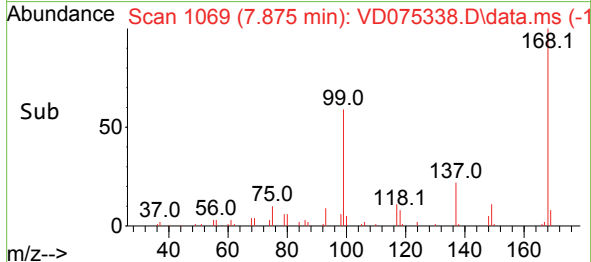
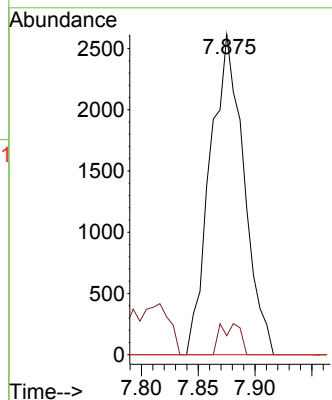
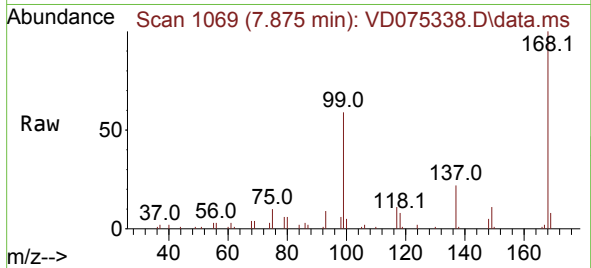




#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

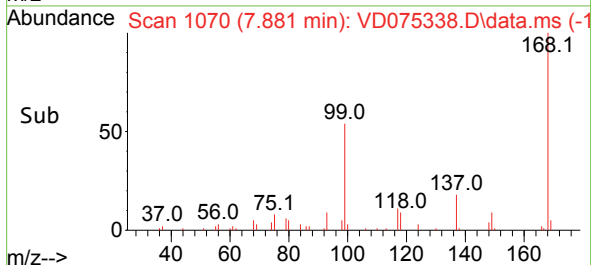
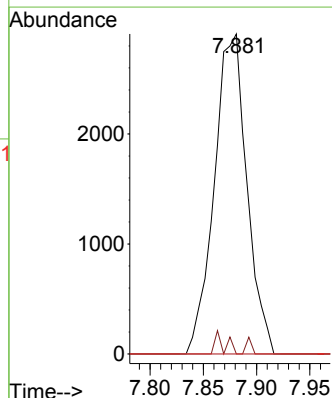
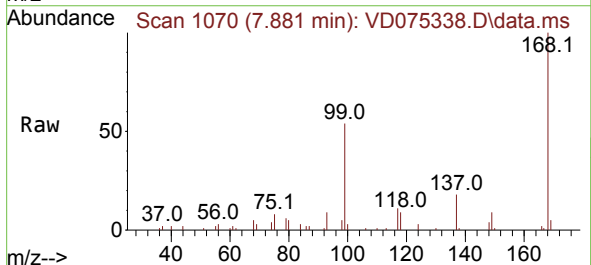
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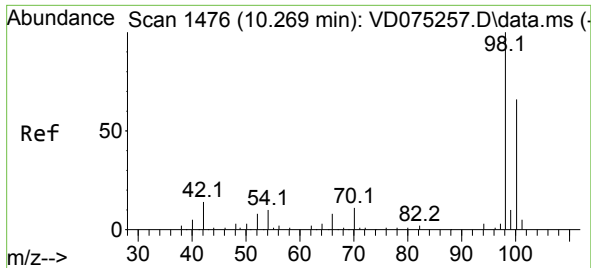
Tgt Ion: 75 Resp: 5396
Ion Ratio Lower Upper
75 100
110 5.8 18.1 54.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion: 117 Resp: 6199
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#

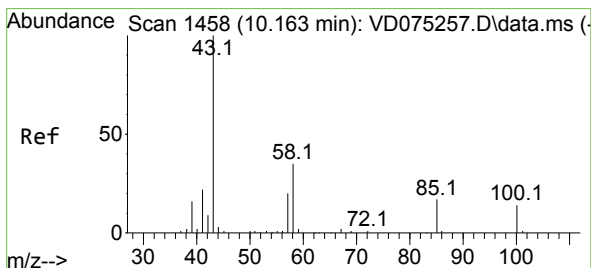
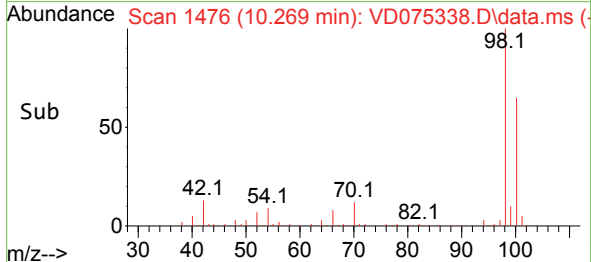
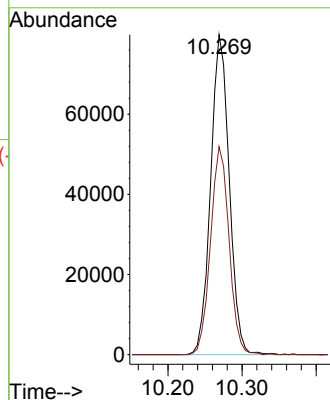
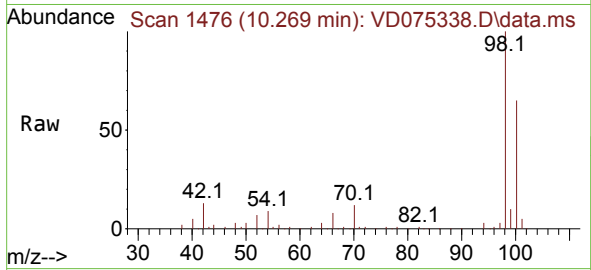




#50
Toluene-d8
Concen: 47.515 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

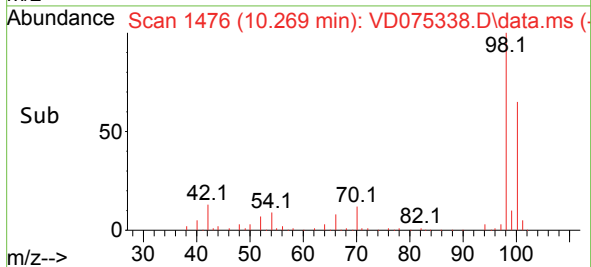
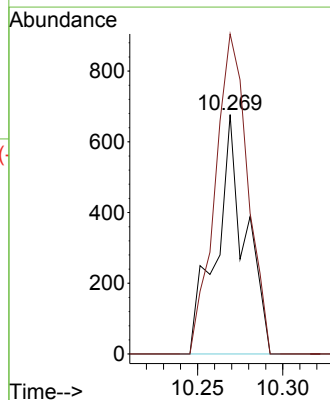
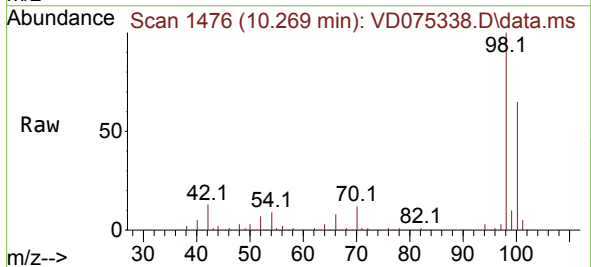
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

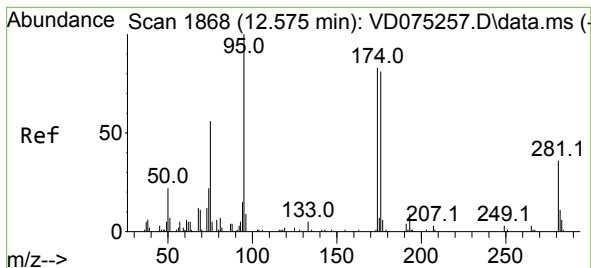
Tgt Ion: 98 Resp: 139180
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.592 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 150.1 31.4 47.0#

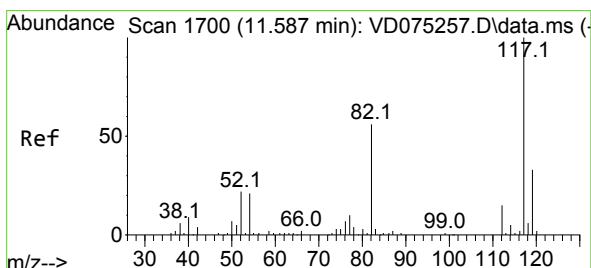
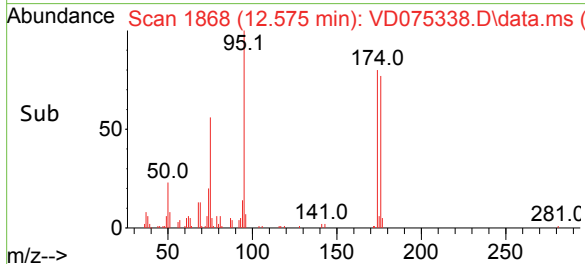
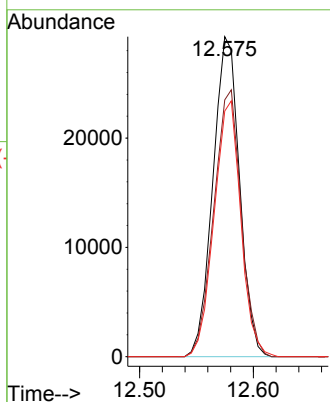
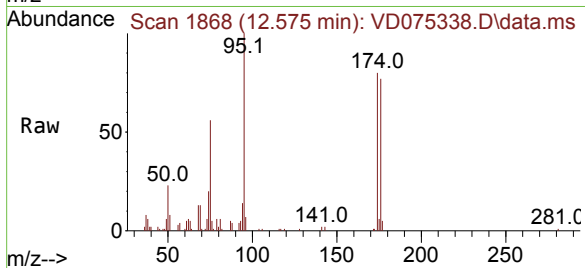




#62
4-Bromofluorobenzene
Concen: 49.409 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

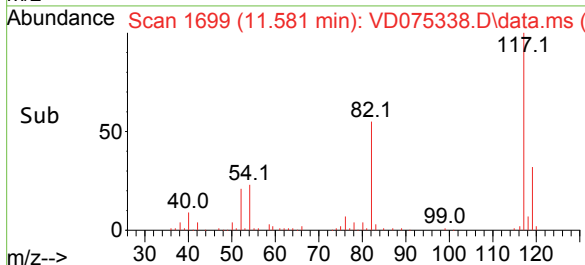
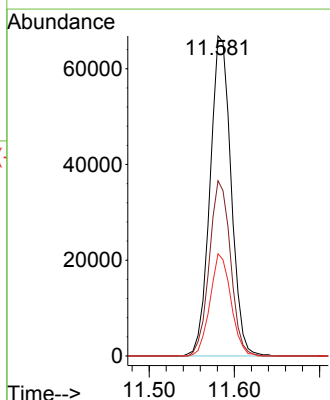
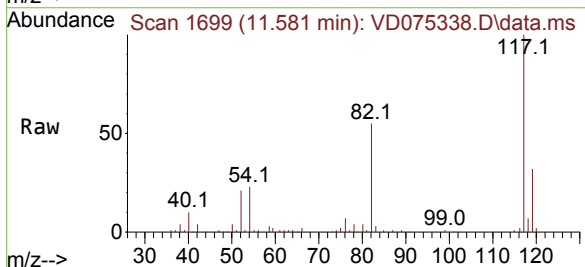
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-8

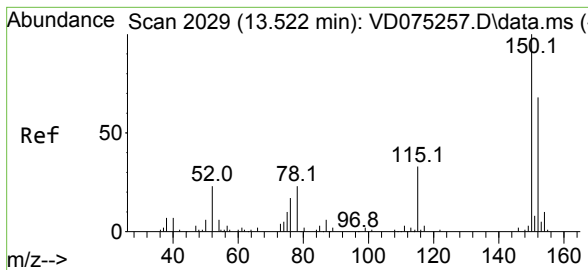
Tgt Ion: 95 Resp: 47722
Ion Ratio Lower Upper
95 100
174 85.6 0.0 161.2
176 80.1 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075338.D
Acq: 14 Feb 2023 12:52

Tgt Ion: 117 Resp: 114901
Ion Ratio Lower Upper
117 100
82 54.7 39.6 59.4
119 32.0 24.6 37.0

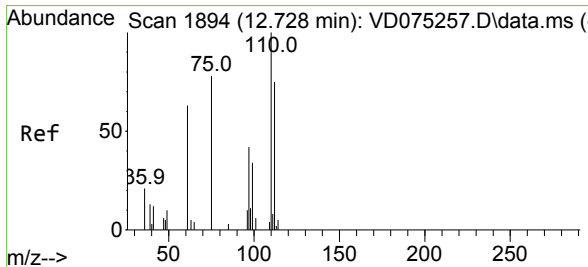
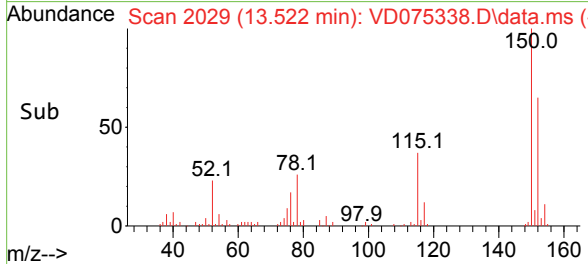
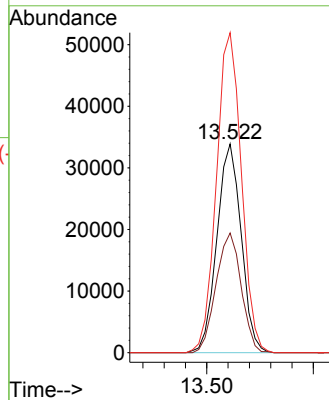
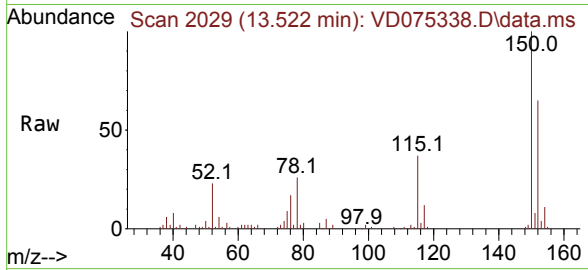




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075338.D
 Acq: 14 Feb 2023 12:52

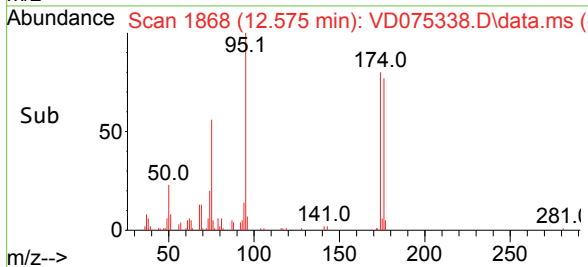
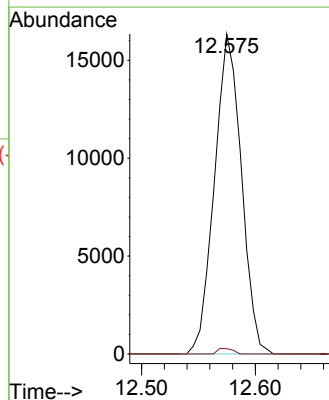
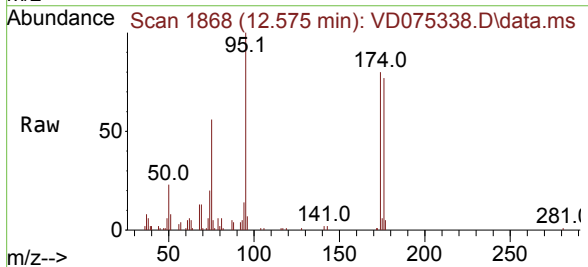
Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-8

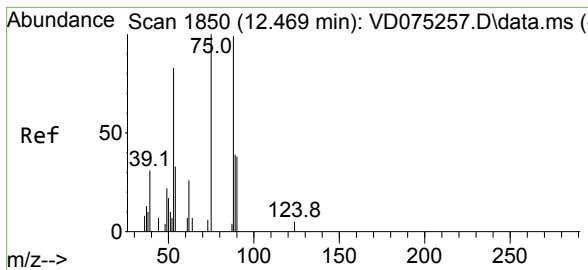
Tgt Ion:152 Resp: 53565
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.8 86.4
 150 157.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.200 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075338.D
 Acq: 14 Feb 2023 12:52

Tgt Ion: 75 Resp: 26892
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.556 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075338.D
 Acq: 14 Feb 2023 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-8

Tgt Ion: 75 Resp: 26892
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

