

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075269.D
 Acq On : 08 Feb 2023 14:02
 Operator : KP/SY
 Sample : 01463-10
 Misc : 2.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-36

Quant Time: Feb 09 05:41:33 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)

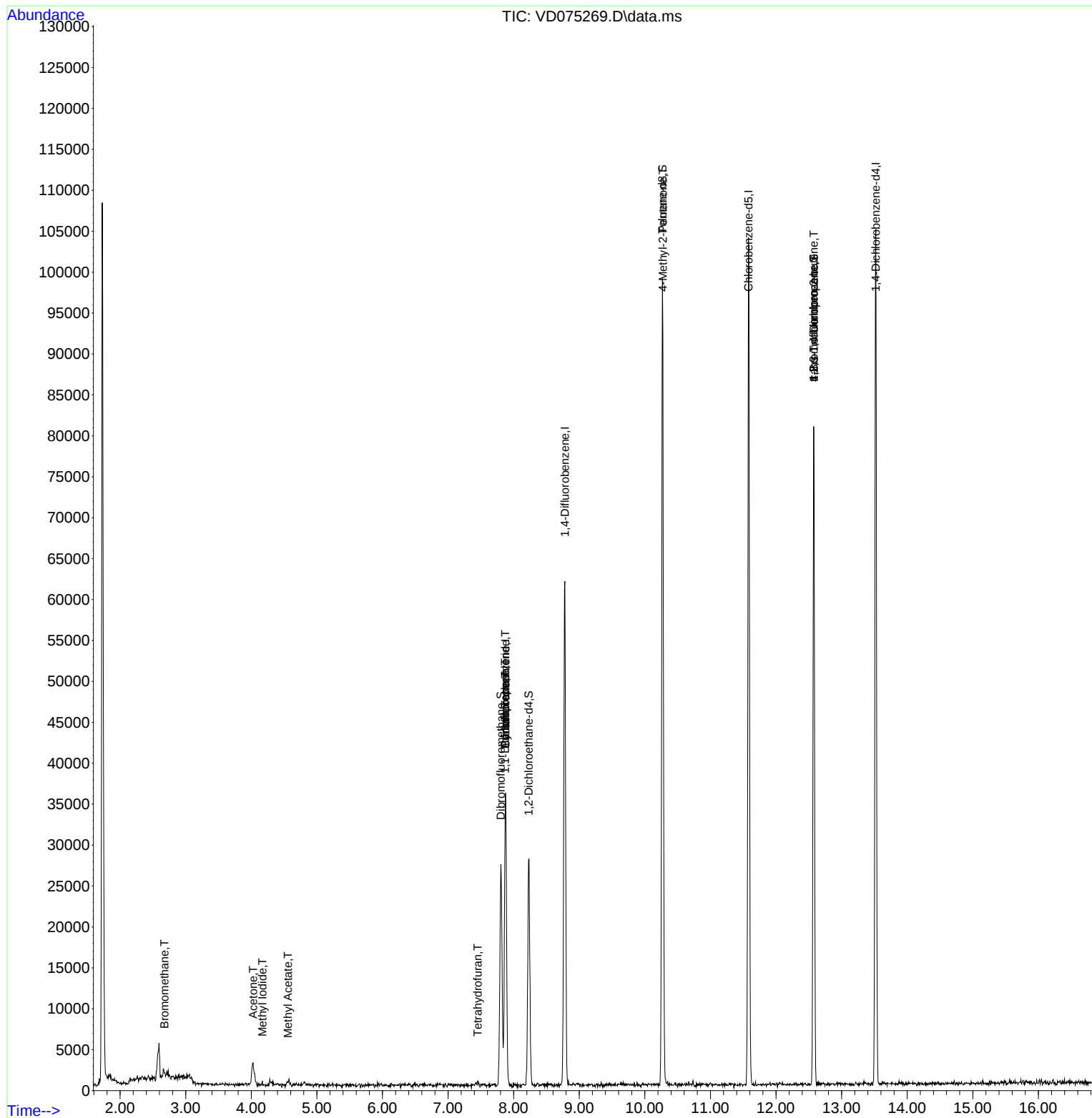
Internal Standards						
1) Pentafluorobenzene	7.875	168	27613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	52907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	56042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	26974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	21846	67.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.940%	
35) Dibromofluoromethane	7.804	113	19313	52.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.120%	
50) Toluene-d8	10.269	98	66548	47.301	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.600%	
62) 4-Bromofluorobenzene	12.575	95	24565	52.953	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	323	Below Cal	#	41
5) Bromomethane	2.675	94	666	2.266	ug/l	96
10) Methyl Iodide	4.169	142	221	3.100	ug/l #	74
16) Acetone	4.028	43	5114	59.732	ug/l	92
18) Methyl Acetate	4.557	43	1223	2.667	ug/l #	52
20) Methylene Chloride	4.798	84	65	Below Cal	#	6
29) Tetrahydrofuran	7.451	42	304	5.322	ug/l #	34
31) Cyclohexane	7.875	56	641	1.115	ug/l #	35
36) 1,1-Dichloropropene	7.869	75	2305	3.989	ug/l #	41
38) Carbon Tetrachloride	7.875	117	2921	5.455	ug/l #	14
51) 4-Methyl-2-Pentanone	10.275	43	289	1.187	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	13497	44.052	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	13497	139.098	ug/l #	14

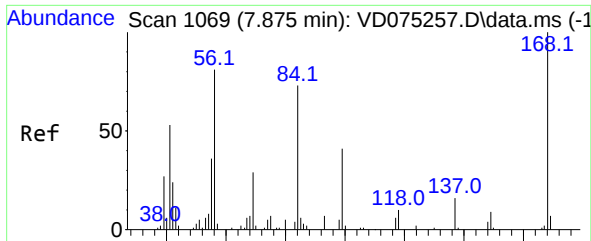
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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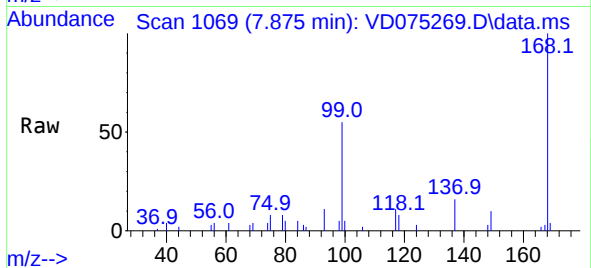
Quant Time: Feb 09 05:41:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 2023
Response via : Initial Calibration



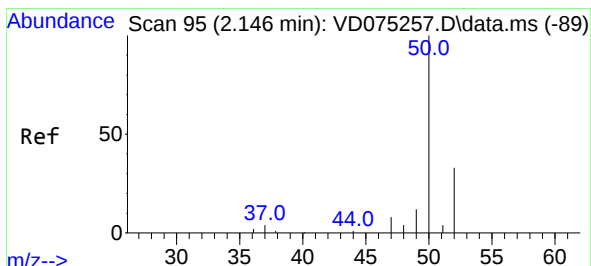
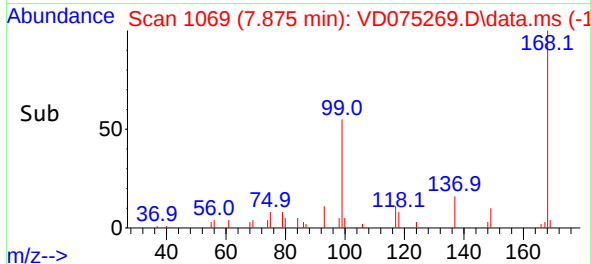
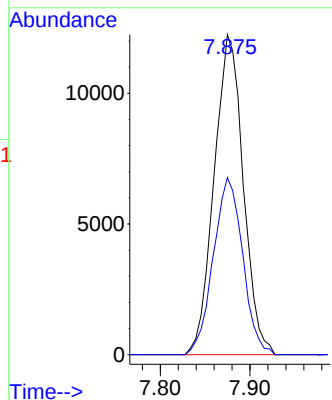


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36

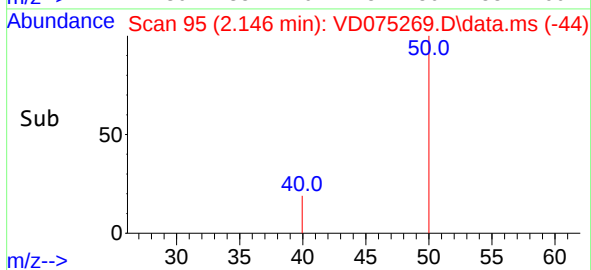
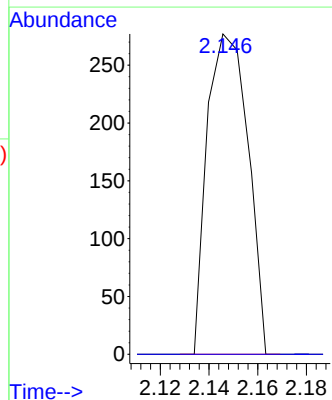
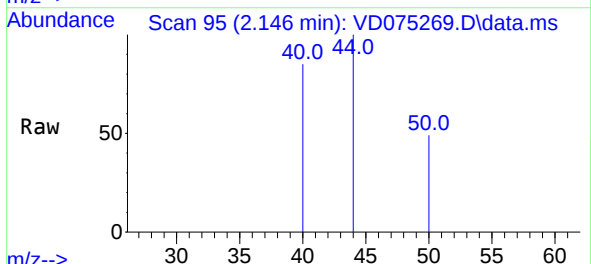


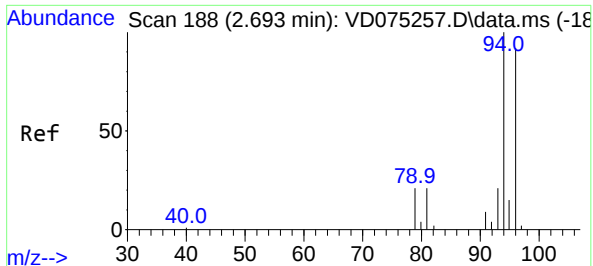
Tgt Ion:168 Resp: 27613
Ion Ratio Lower Upper
168 100
99 55.3 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

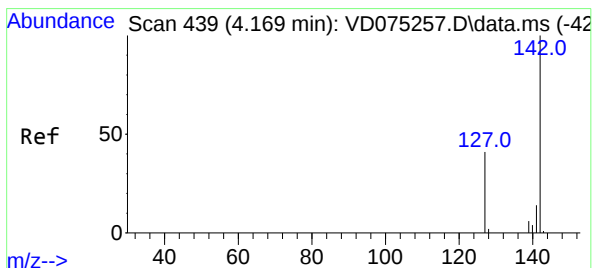
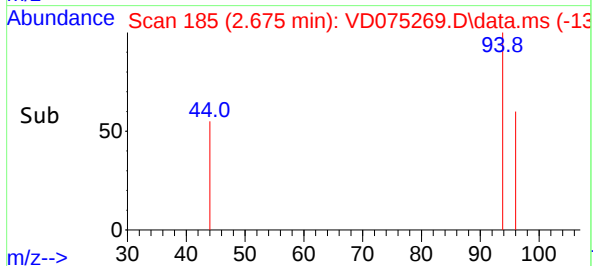
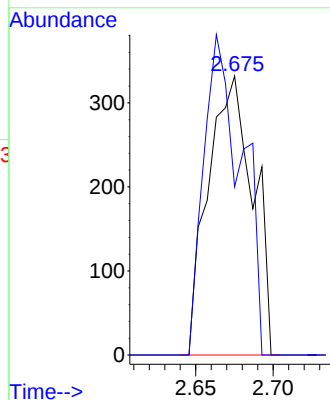
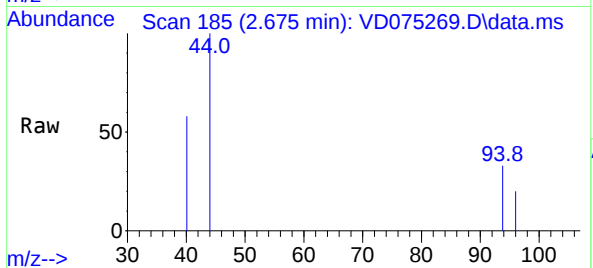




#5
Bromomethane
Concen: 2.266 ug/l
RT: 2.675 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

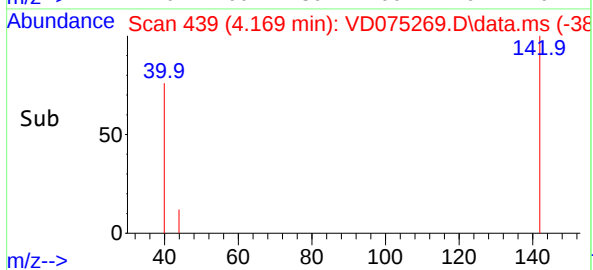
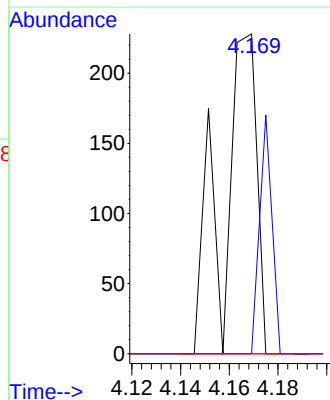
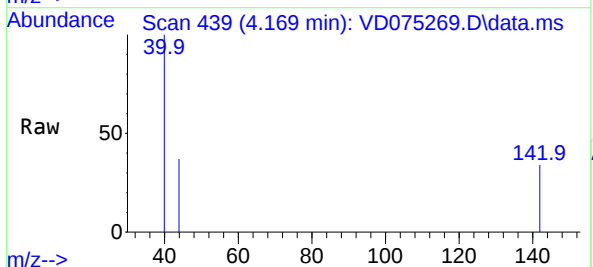
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36

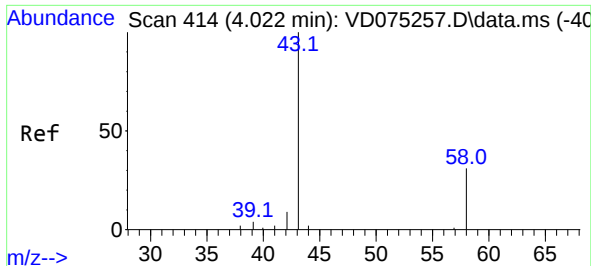
Tgt Ion: 94 Resp: 666
Ion Ratio Lower Upper
94 100
96 97.4 74.8 112.2



#10
Methyl Iodide
Concen: 3.100 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Tgt Ion:142 Resp: 221
Ion Ratio Lower Upper
142 100
127 27.1 33.6 50.4#
141 0.0 11.1 16.7#

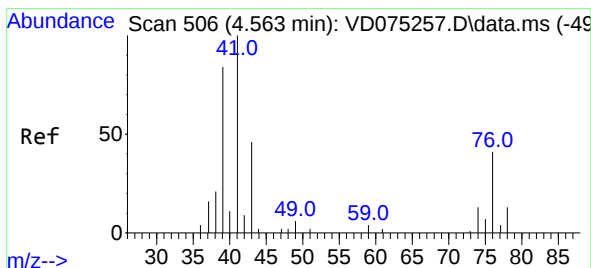
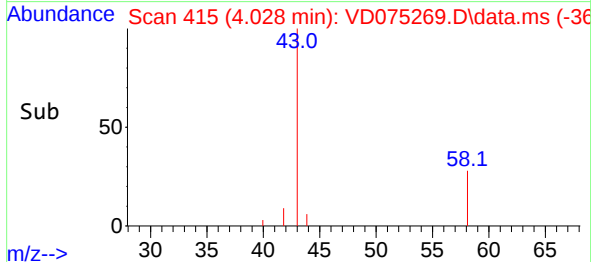
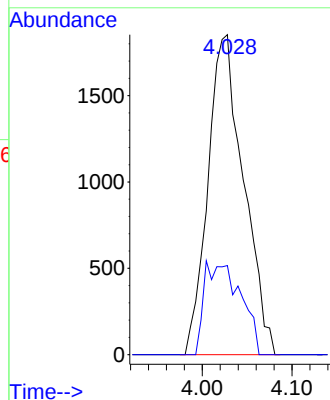
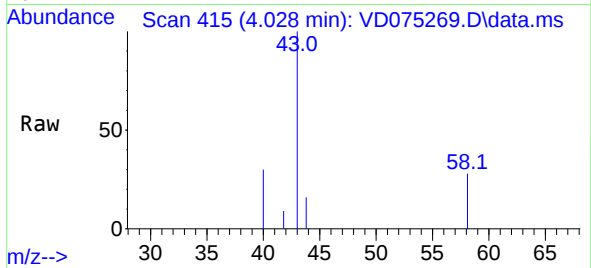




#16
Acetone
Concen: 59.732 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

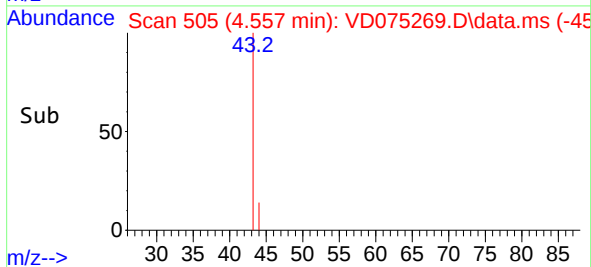
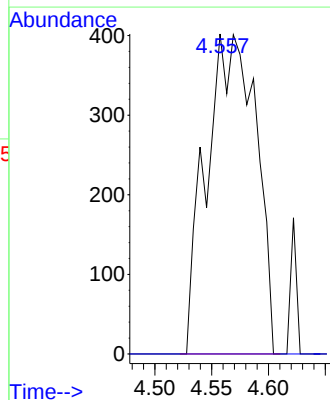
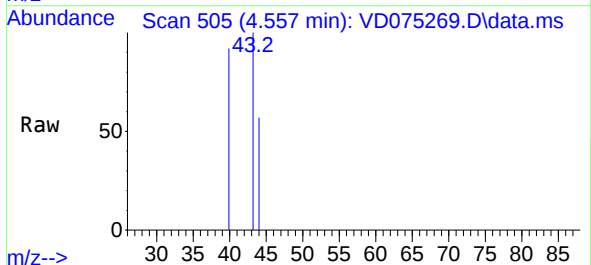
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36

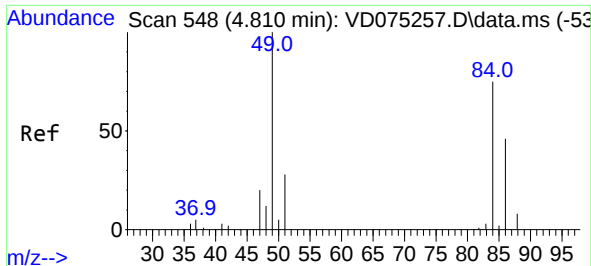
Tgt Ion: 43 Resp: 5114
Ion Ratio Lower Upper
43 100
58 27.8 26.0 39.0



#18
Methyl Acetate
Concen: 2.667 ug/l
RT: 4.557 min Scan# 505
Delta R.T. -0.006 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

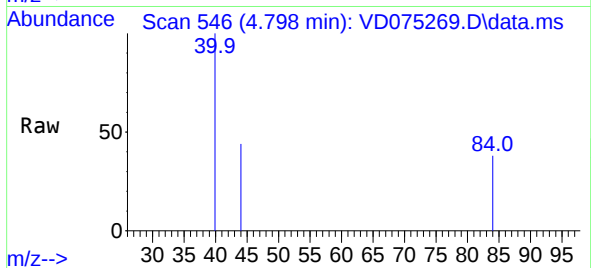
Tgt Ion: 43 Resp: 1223
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#





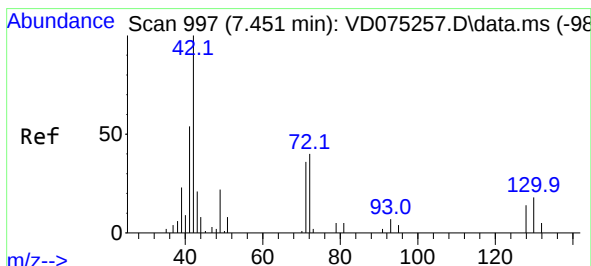
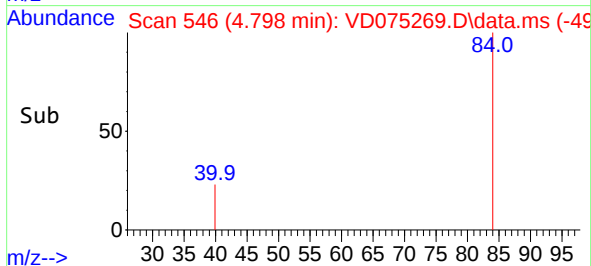
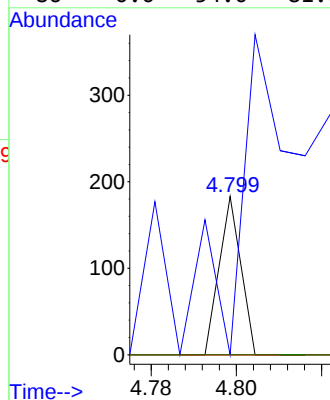
#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 54
Delta R.T. -0.011 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36



Tgt Ion: 84 Resp: 65

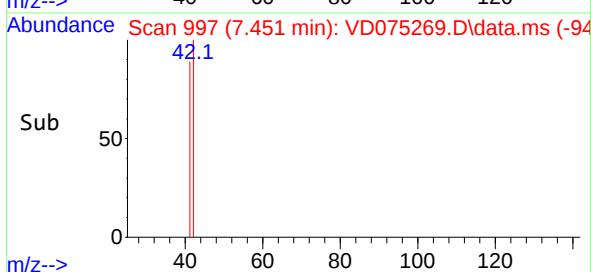
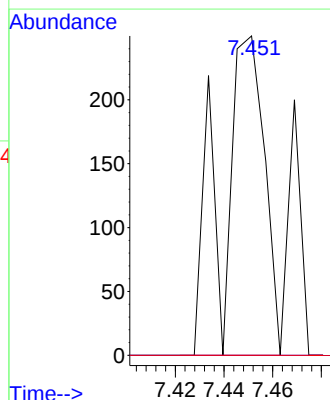
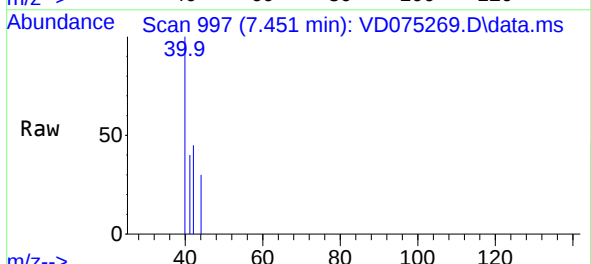
Ion	Ratio	Lower	Upper
84	100		
49	0.0	97.0	145.6#
51	0.0	30.9	46.3#
86	0.0	54.0	81.0#

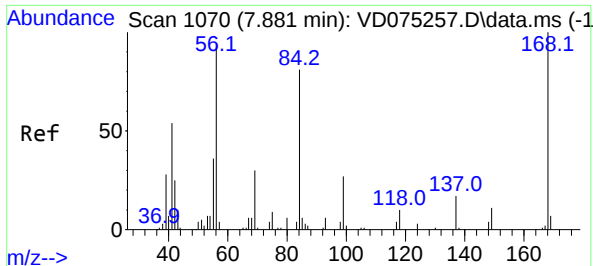


#29
Tetrahydrofuran
Concen: 5.322 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Tgt Ion: 42 Resp: 304

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.8	50.8#
71	0.0	31.6	47.4#





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD075269.D

Acq: 08 Feb 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-36

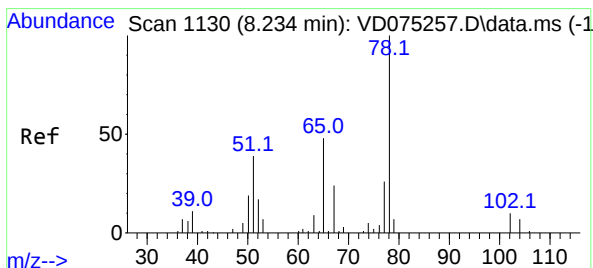
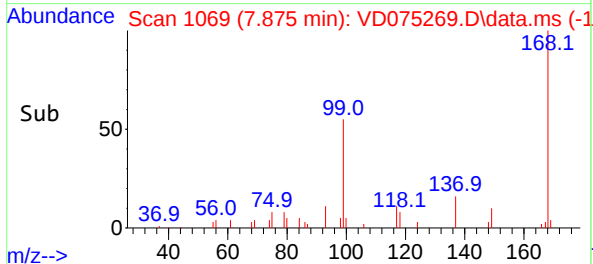
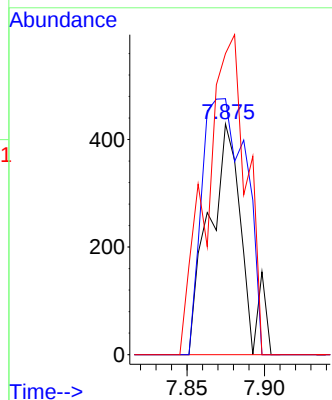
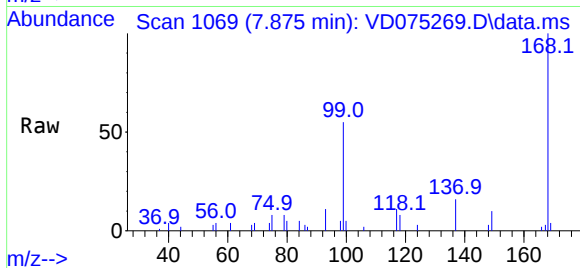
Tgt Ion: 56 Resp: 641

Ion Ratio Lower Upper

56 100

69 111.0 26.6 40.0#

84 130.5 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 67.471 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075269.D

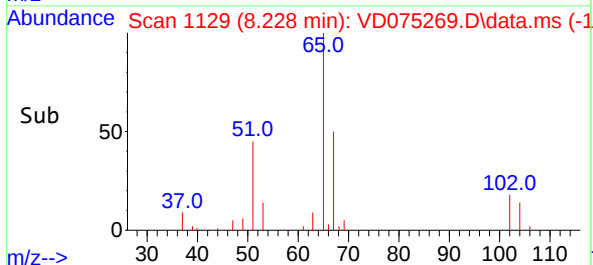
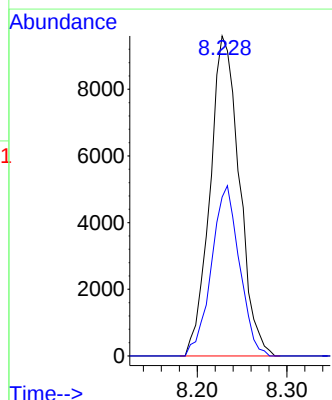
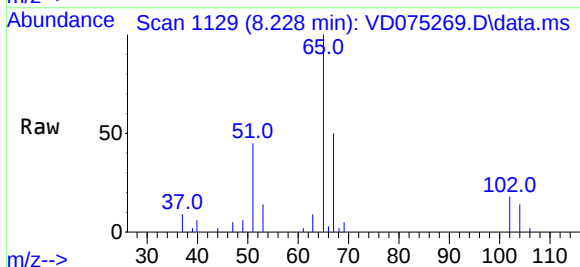
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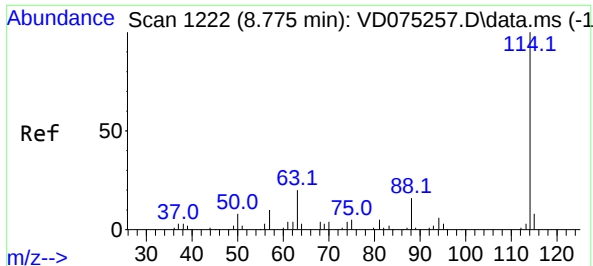
Tgt Ion: 65 Resp: 21846

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075269.D

Acq: 08 Feb 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-36

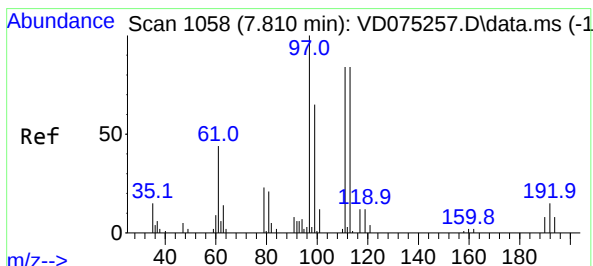
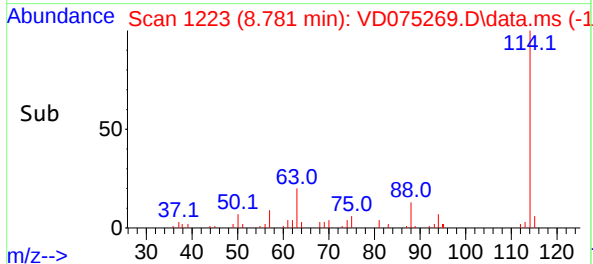
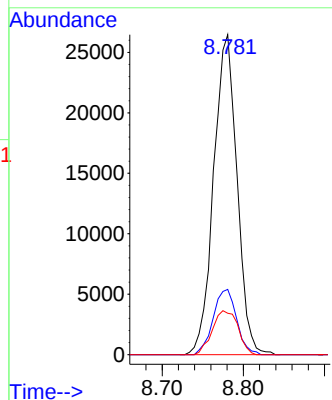
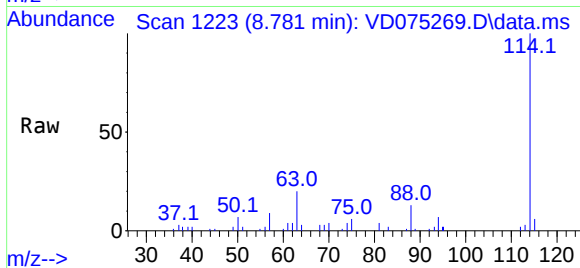
Tgt Ion:114 Resp: 52907

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 12.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.059 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075269.D

Acq: 08 Feb 2023 14:02

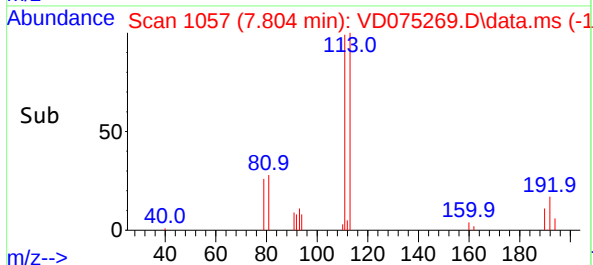
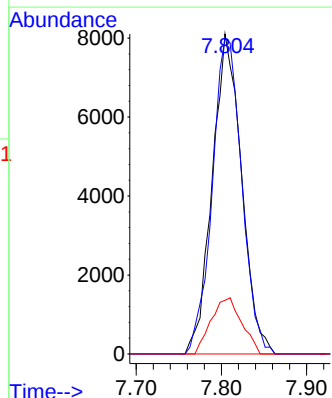
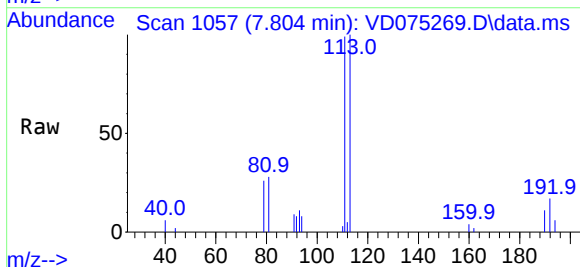
Tgt Ion:113 Resp: 19313

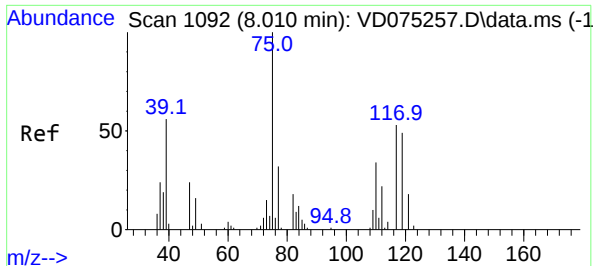
Ion Ratio Lower Upper

113 100

111 99.6 80.1 120.1

192 18.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.989 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075269.D

Acq: 08 Feb 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-36

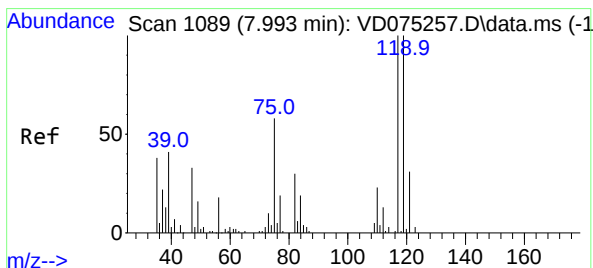
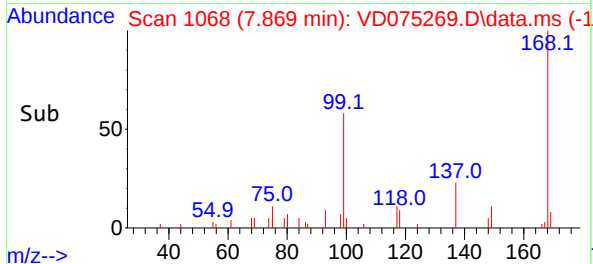
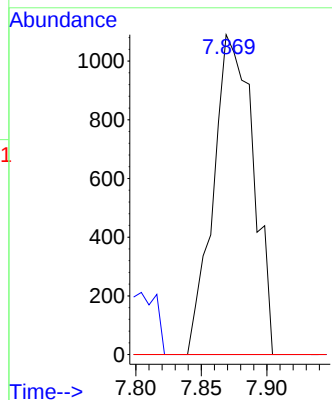
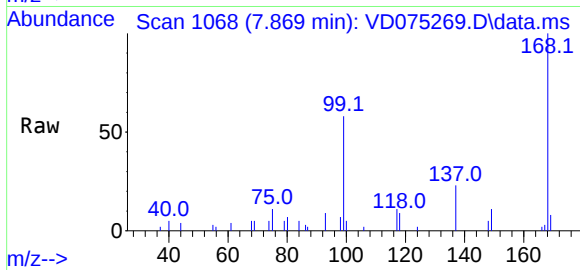
Tgt Ion: 75 Resp: 2305

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.455 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075269.D

Acq: 08 Feb 2023 14:02

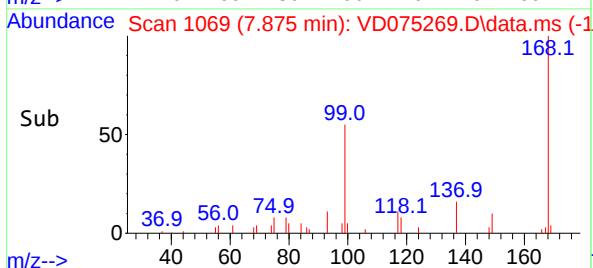
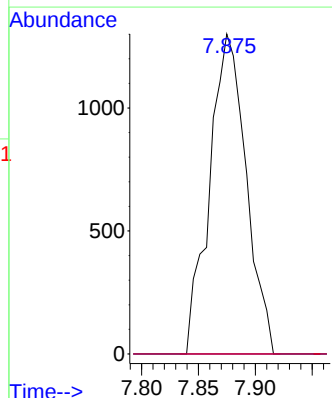
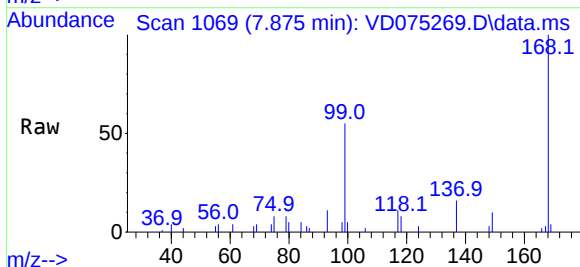
Tgt Ion: 117 Resp: 2921

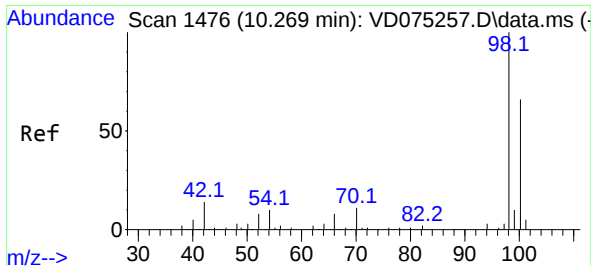
Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#

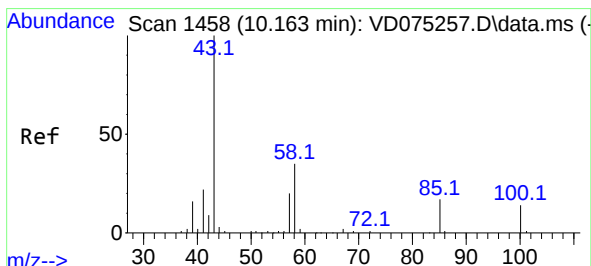
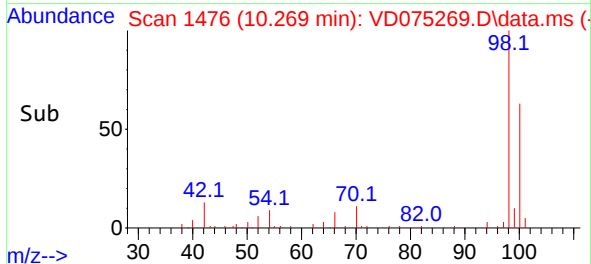
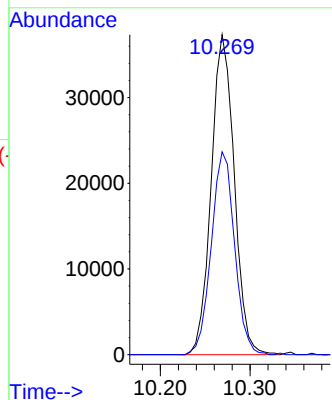
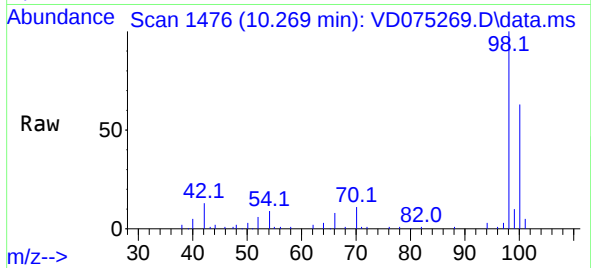




#50
Toluene-d8
Concen: 47.301 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

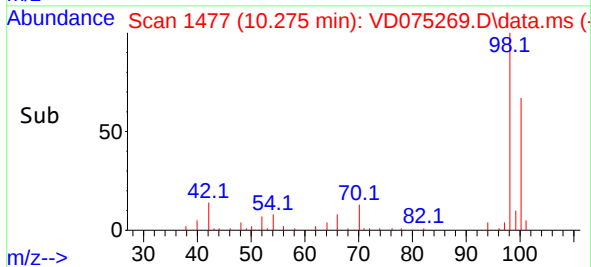
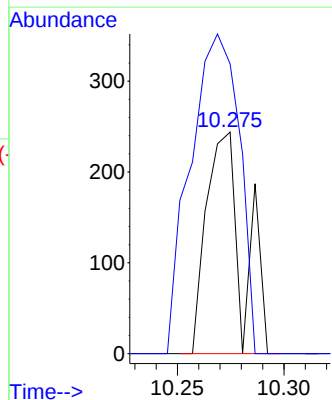
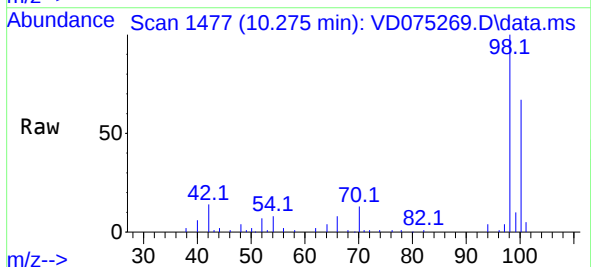
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36

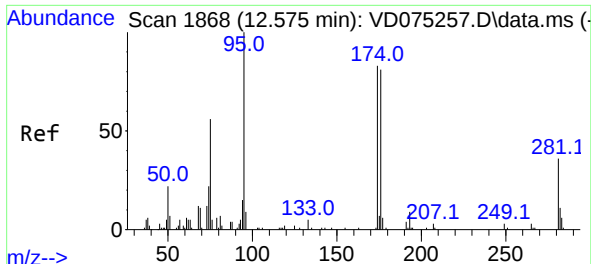
Tgt Ion: 98 Resp: 66548
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.187 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.112 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 194.5 31.4 47.0#

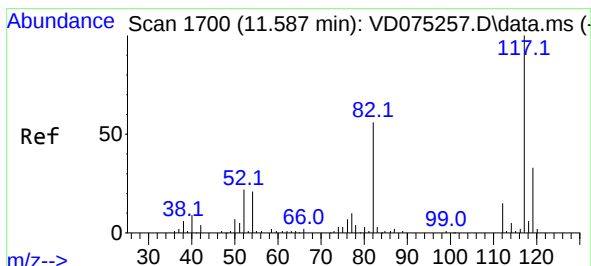
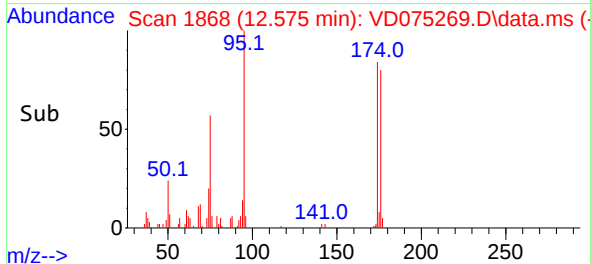
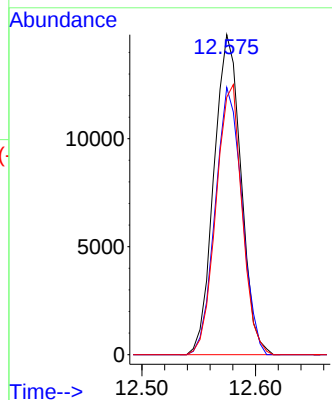
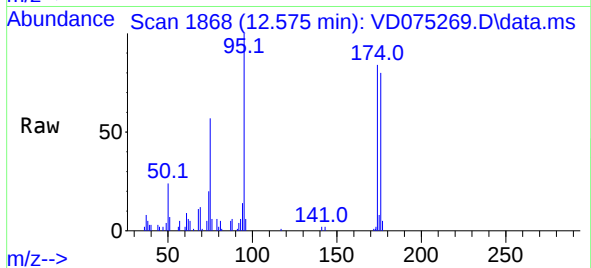




#62
4-Bromofluorobenzene
Concen: 52.953 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

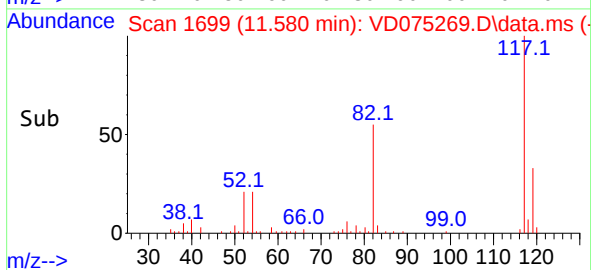
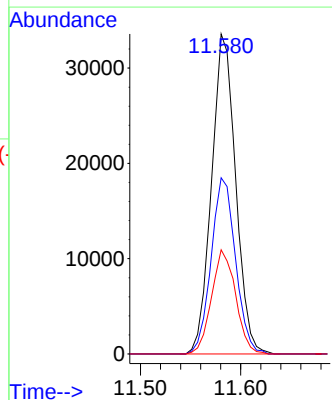
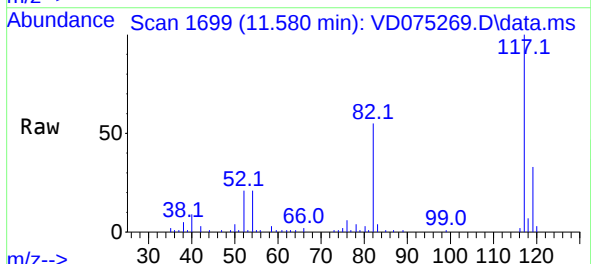
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36

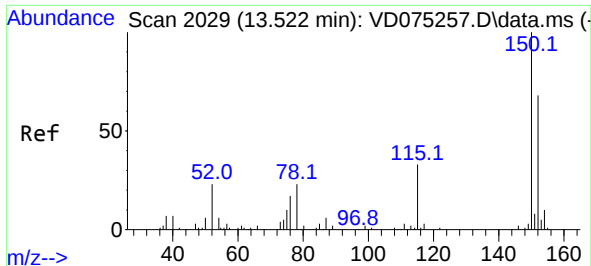
Tgt Ion:	95	Resp:	24565
Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	161.2
176	81.2	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.007 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Tgt Ion:	117	Resp:	56042
Ion	Ratio	Lower	Upper
117	100		
82	55.0	39.6	59.4
119	32.6	24.6	37.0

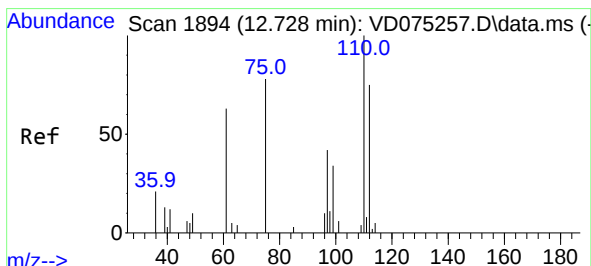
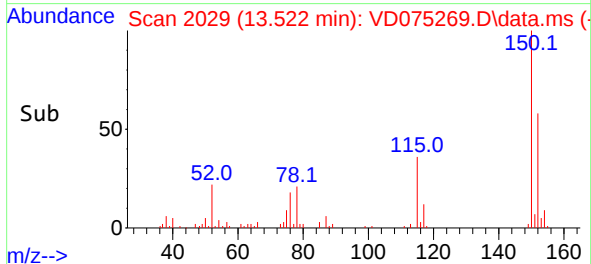
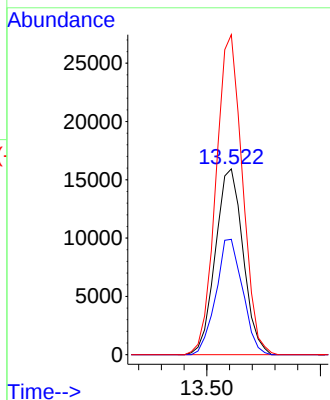
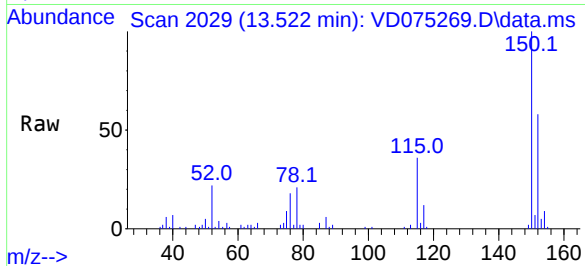




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075269.D
 Acq: 08 Feb 2023 14:02

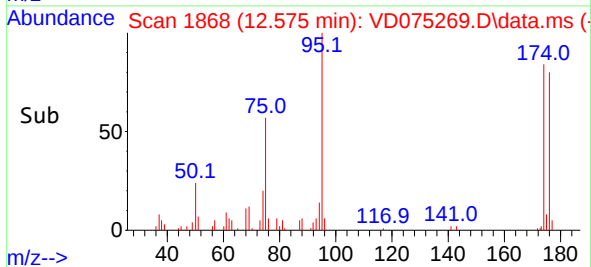
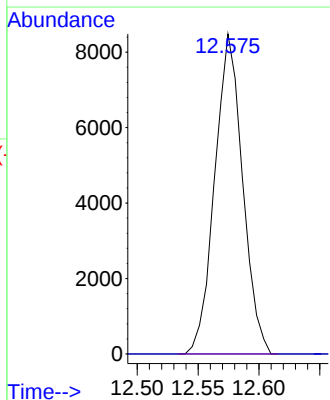
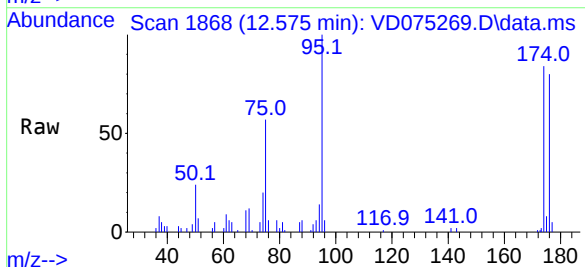
Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-36

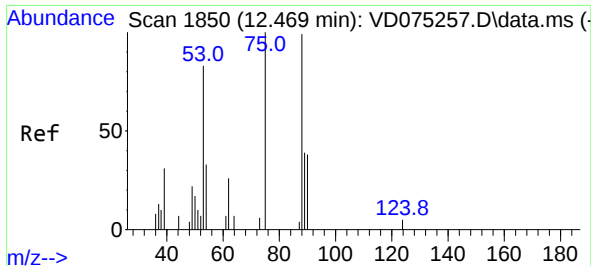
Tgt Ion:152 Resp: 26974
 Ion Ratio Lower Upper
 152 100
 115 59.9 28.8 86.4
 150 164.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.052 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075269.D
 Acq: 08 Feb 2023 14:02

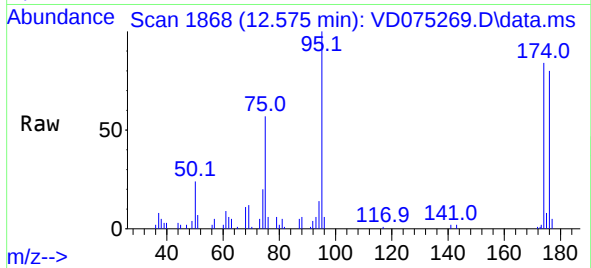
Tgt Ion: 75 Resp: 13497
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 139.098 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD075269.D
Acq: 08 Feb 2023 14:02

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-36



Tgt Ion: 75 Resp: 13497
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

