

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075272.D
 Acq On : 08 Feb 2023 15:25
 Operator : KP/SY
 Sample : 01463-18
 Misc : 2.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-48

Quant Time: Feb 09 05:42:01 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)

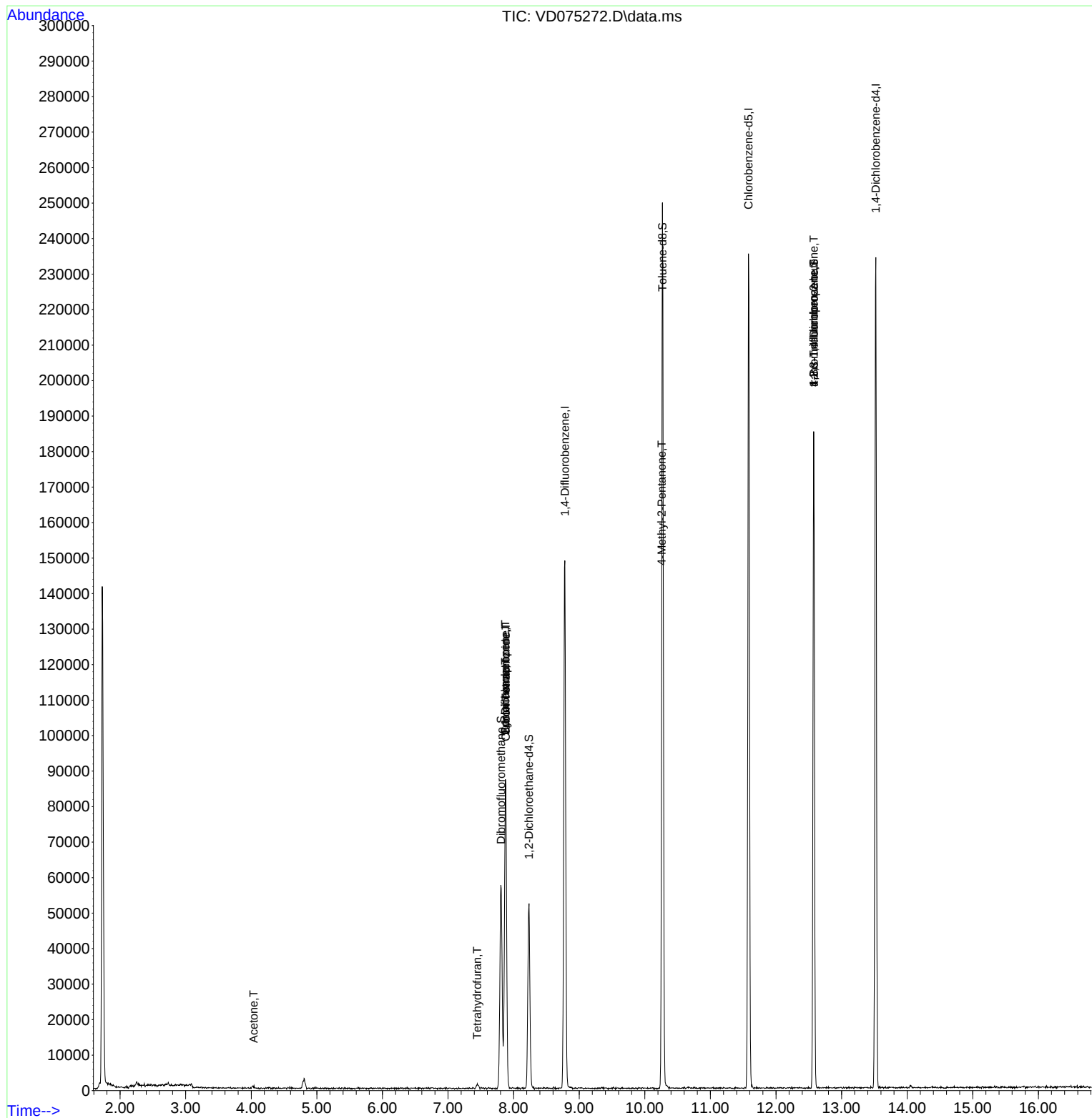
Internal Standards						
1) Pentafluorobenzene	7.875	168	66270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	128747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	129888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	60677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	39940	51.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.800%	
35) Dibromofluoromethane	7.810	113	41501	45.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.940%	
50) Toluene-d8	10.269	98	162460	47.452	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.900%	
62) 4-Bromofluorobenzene	12.575	95	54676	48.433	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.860%	
Target Compounds						
3) Chloromethane	2.152	50	181	Below Cal	#	Qvalue 41
16) Acetone	4.034	43	1243	6.049	ug/l #	42
18) Methyl Acetate	4.587	43	55	Below Cal	#	52
20) Methylene Chloride	4.811	84	1927	Below Cal	#	80
29) Tetrahydrofuran	7.446	42	1015	7.404	ug/l #	60
31) Cyclohexane	7.875	56	1706	1.236	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	5697	4.051	ug/l #	48
38) Carbon Tetrachloride	7.881	117	6746	5.177	ug/l #	20
51) 4-Methyl-2-Pentanone	10.257	43	772	1.303	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	30833	44.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	30833	141.228	ug/l #	14

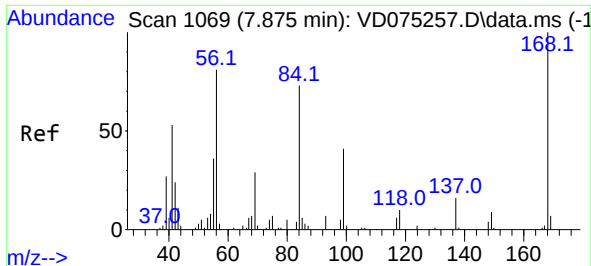
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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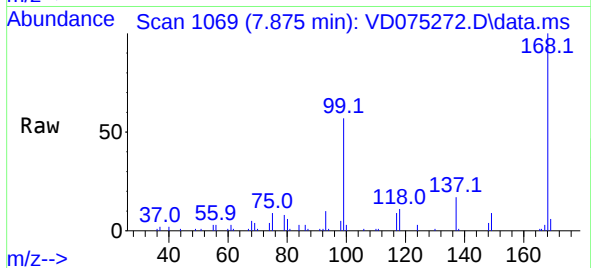
Quant Time: Feb 09 05:42:01 2023
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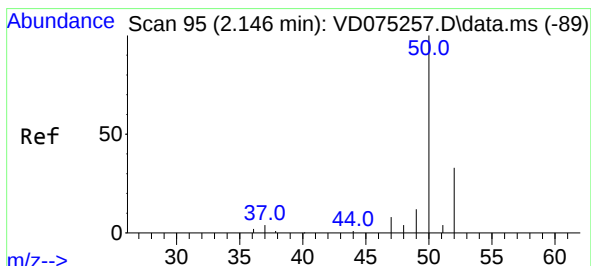
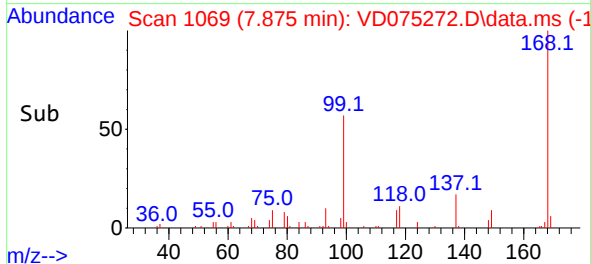
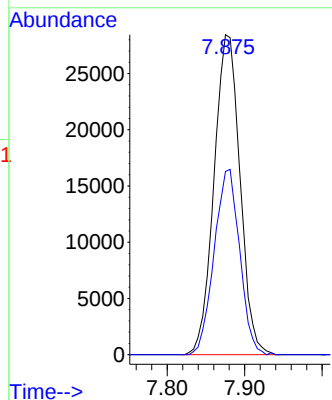


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-48

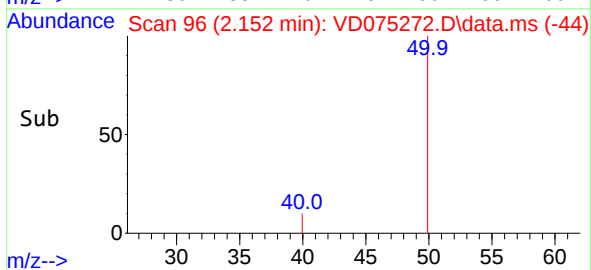
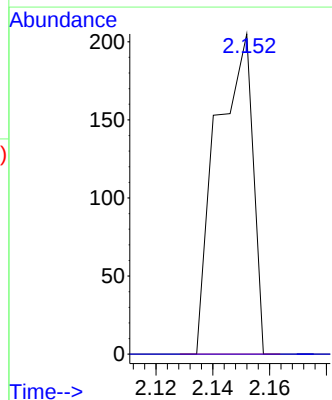
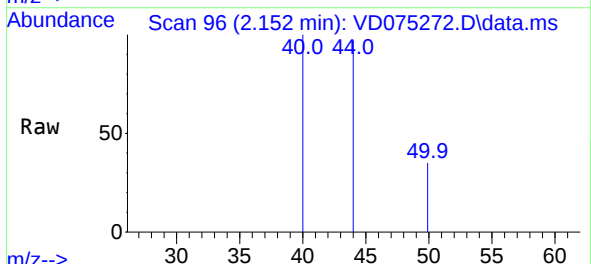


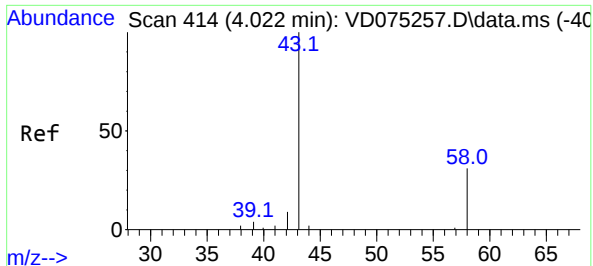
Tgt Ion:168 Resp: 66270
Ion Ratio Lower Upper
168 100
99 57.3 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

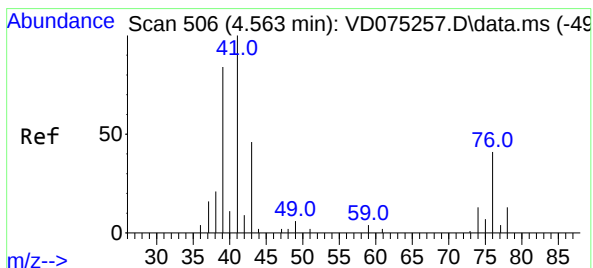
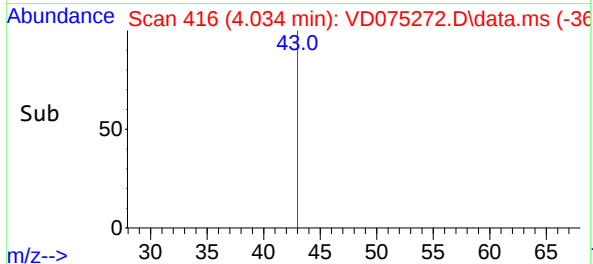
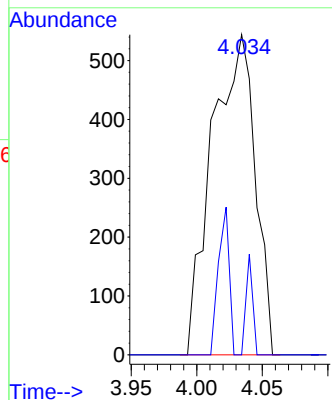
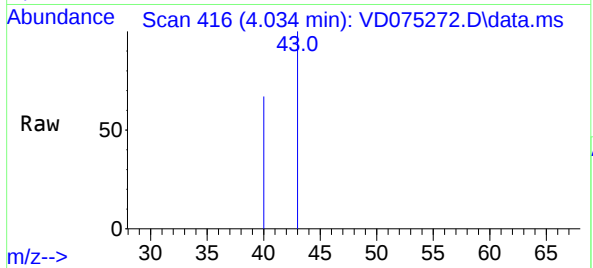




#16
Acetone
Concen: 6.049 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

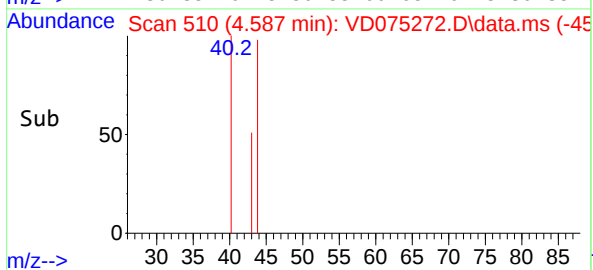
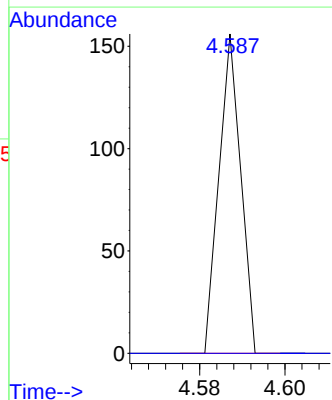
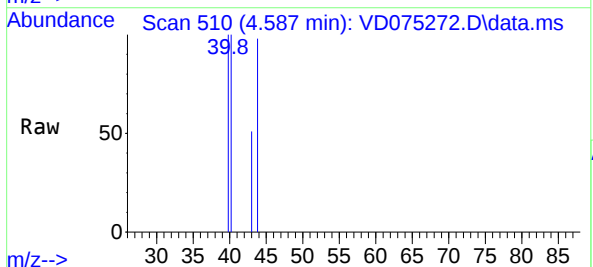
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-48

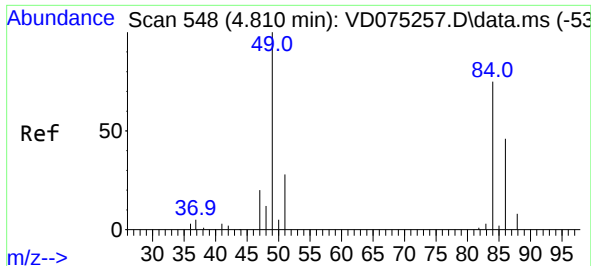
Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.587 min Scan# 510
Delta R.T. 0.024 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



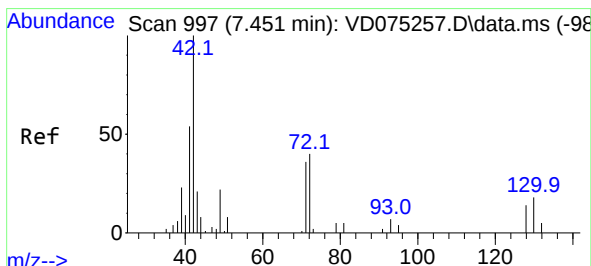
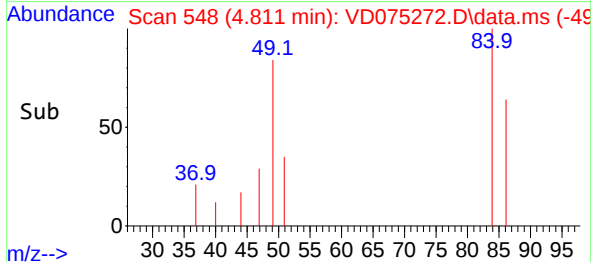
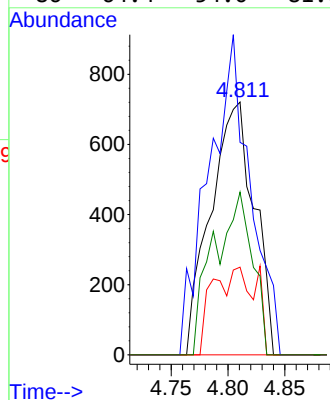
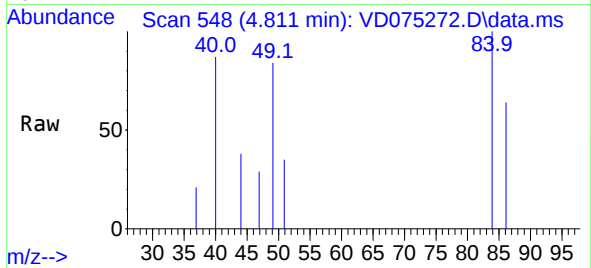


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.001 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-48

Tgt Ion: 84 Resp: 1927

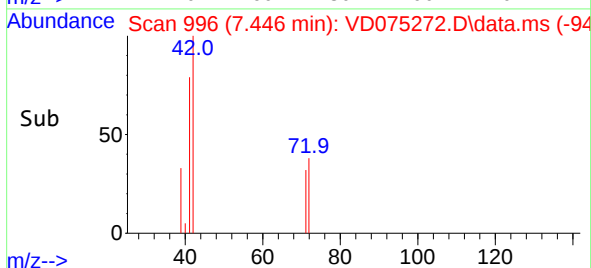
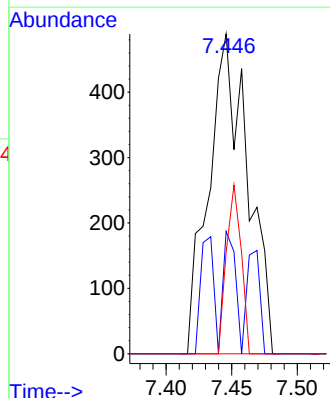
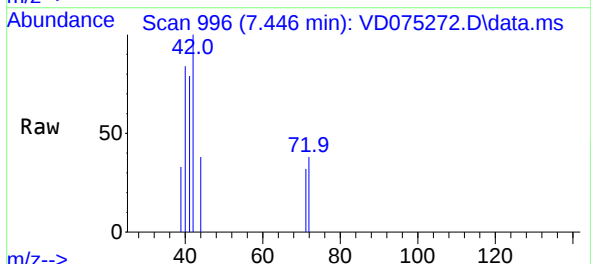
Ion	Ratio	Lower	Upper
84	100		
49	84.0	97.0	145.6#
51	34.7	30.9	46.3
86	64.4	54.0	81.0

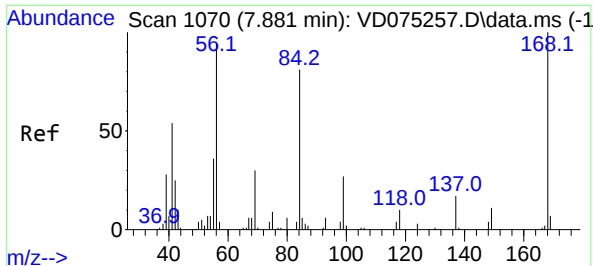


#29
Tetrahydrofuran
Concen: 7.404 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.005 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 42 Resp: 1015

Ion	Ratio	Lower	Upper
42	100		
72	11.9	33.8	50.8#
71	19.7	31.6	47.4#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075272.D

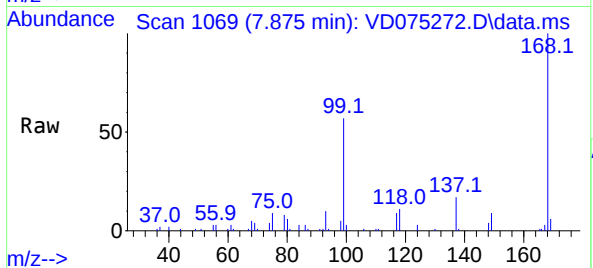
Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-48



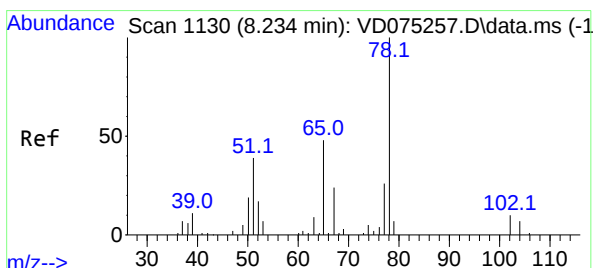
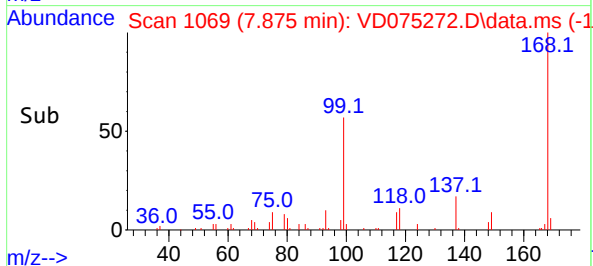
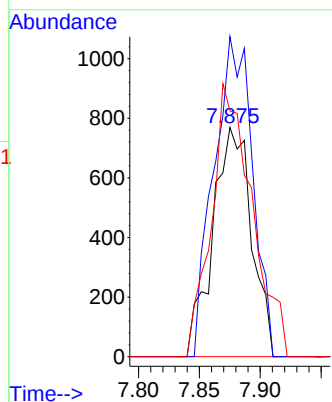
Tgt Ion: 56 Resp: 1706

Ion Ratio Lower Upper

56 100

69 139.7 26.6 40.0#

84 107.3 74.1 111.1



#33

1,2-Dichloroethane-d4

Concen: 51.398 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075272.D

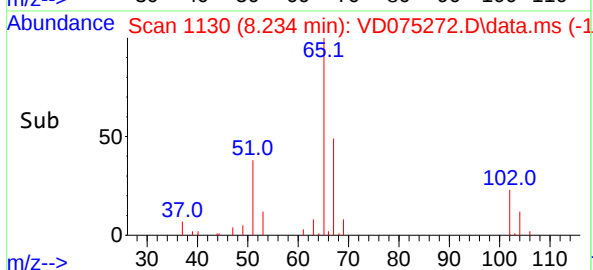
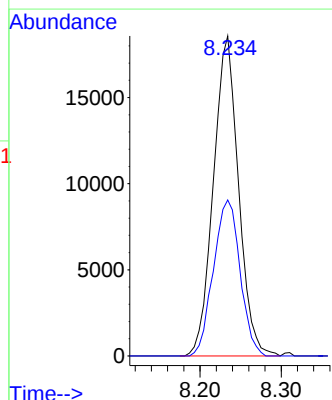
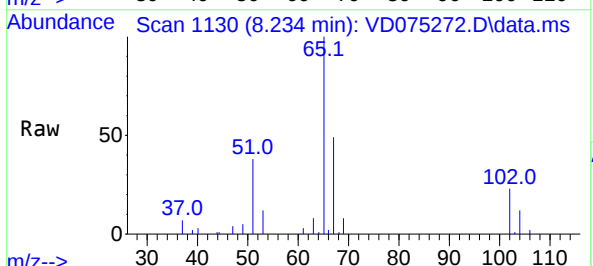
Acq: 08 Feb 2023 15:25

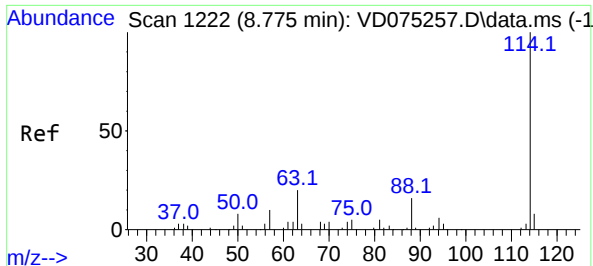
Tgt Ion: 65 Resp: 39940

Ion Ratio Lower Upper

65 100

67 51.6 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: VD075272.D

Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-48

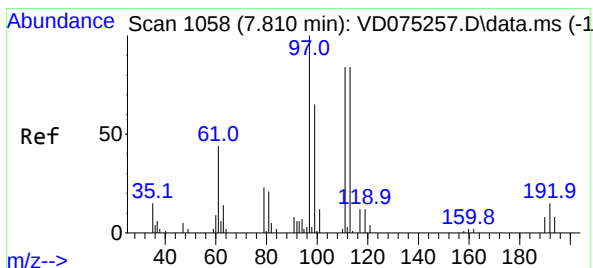
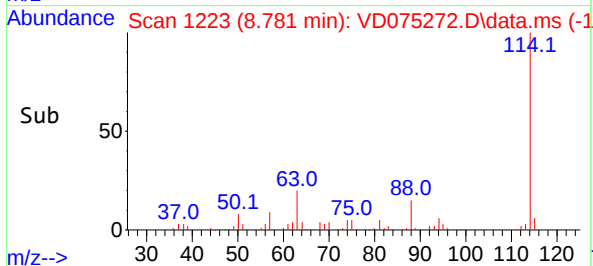
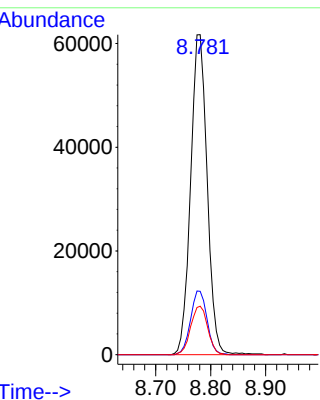
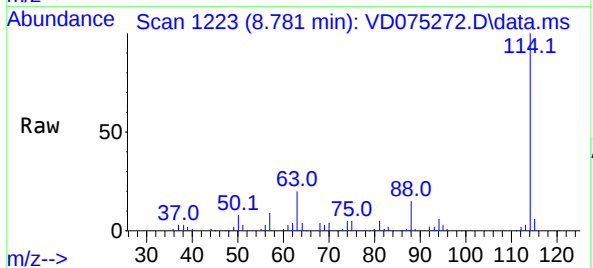
Tgt Ion:114 Resp: 128747

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.971 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075272.D

Acq: 08 Feb 2023 15:25

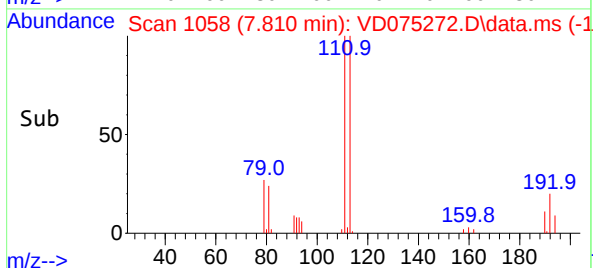
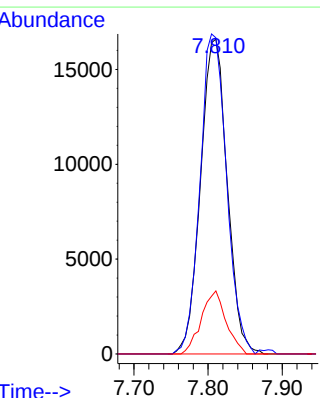
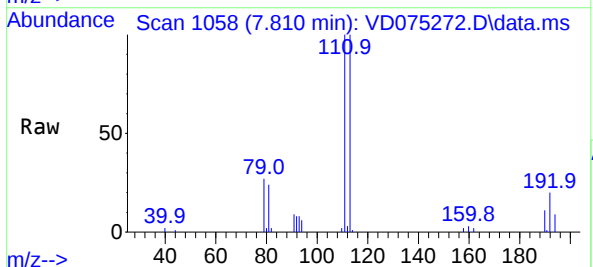
Tgt Ion:113 Resp: 41501

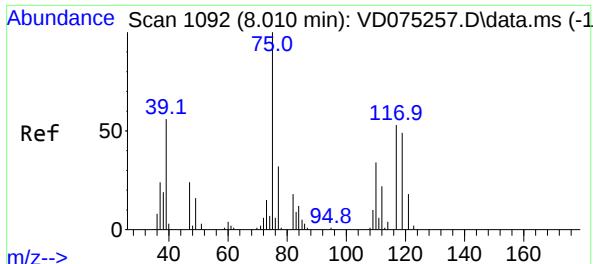
Ion Ratio Lower Upper

113 100

111 101.0 80.1 120.1

192 18.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.051 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.135 min

Lab File: VD075272.D

Acq: 08 Feb 2023 15:25

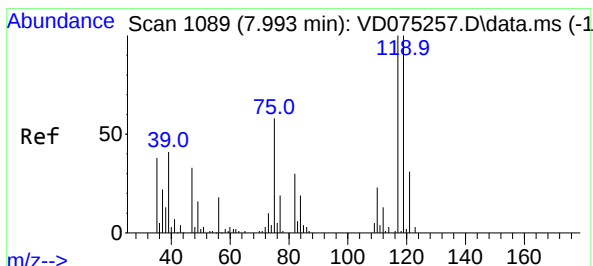
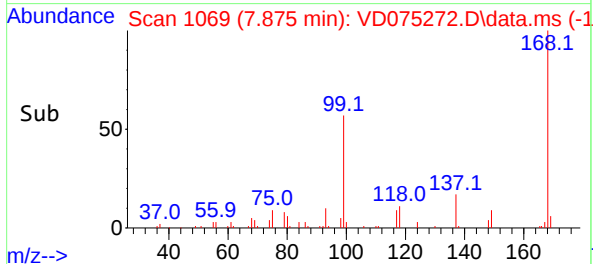
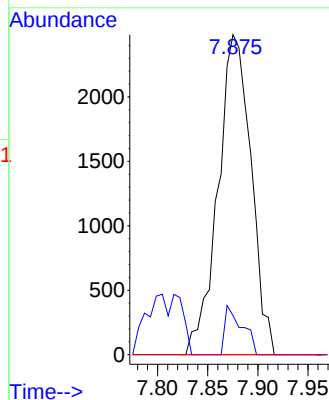
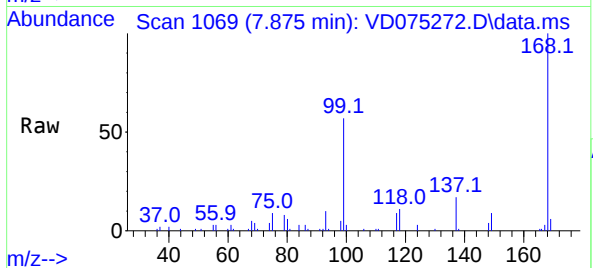
Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-48

Tgt Ion: 75	Resp:	5697
Ion Ratio	Lower	Upper
75	100	
110	8.1	18.1 54.4#
77	0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.177 ug/l

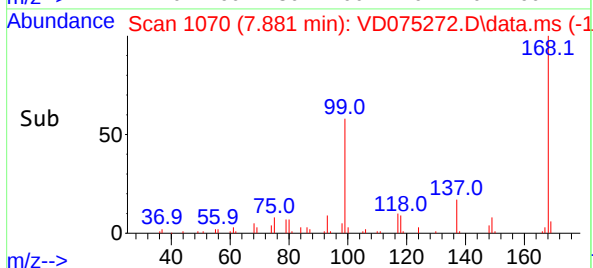
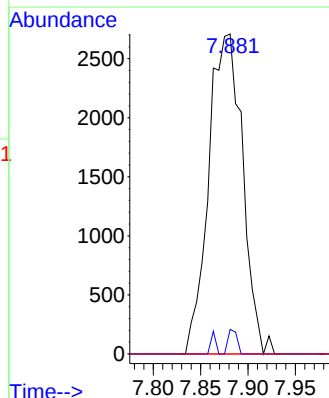
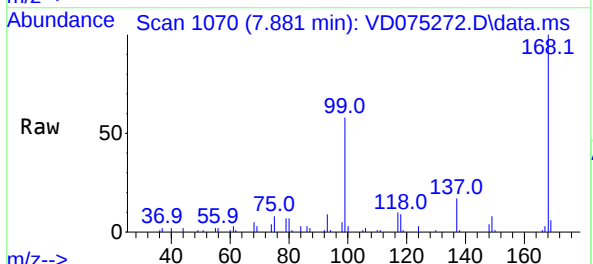
RT: 7.881 min Scan# 1070

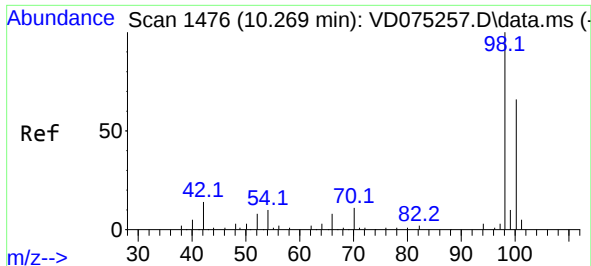
Delta R.T. -0.112 min

Lab File: VD075272.D

Acq: 08 Feb 2023 15:25

Tgt Ion: 117	Resp:	6746
Ion Ratio	Lower	Upper
117	100	
119	7.6	73.6 110.4#
121	0.0	25.4 38.0#

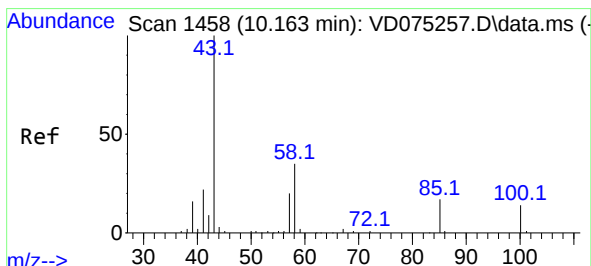
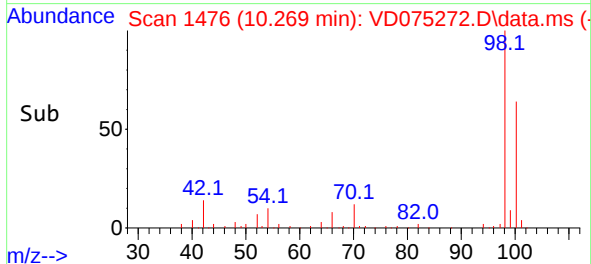
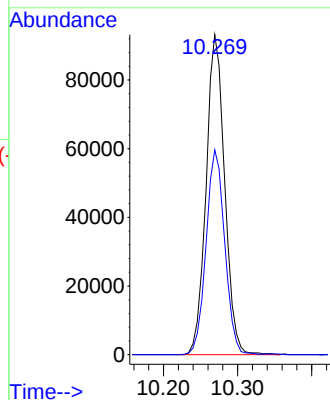
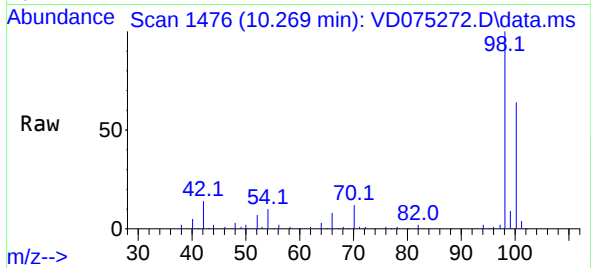




#50
Toluene-d8
Concen: 47.452 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

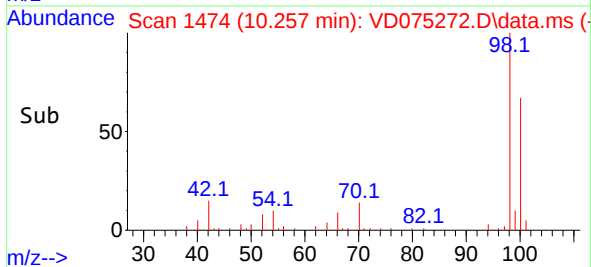
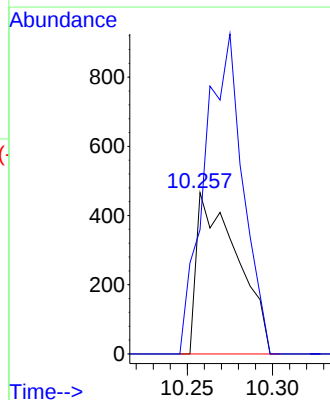
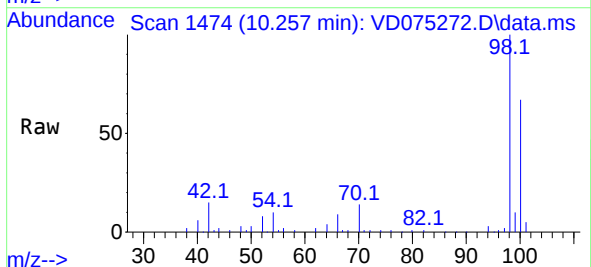
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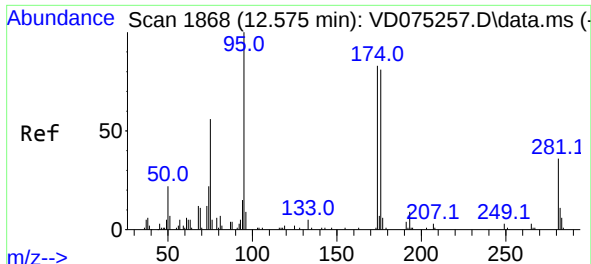
Tgt Ion: 98 Resp: 162460
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.303 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. 0.094 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 188.0 31.4 47.0#

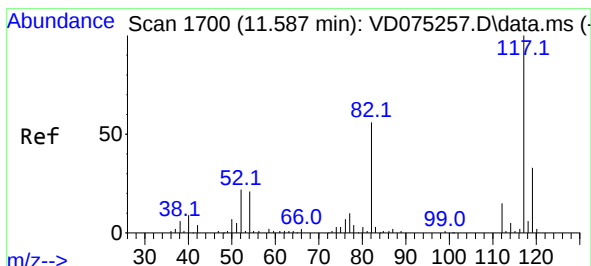
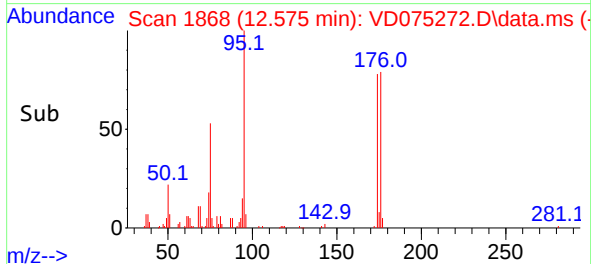
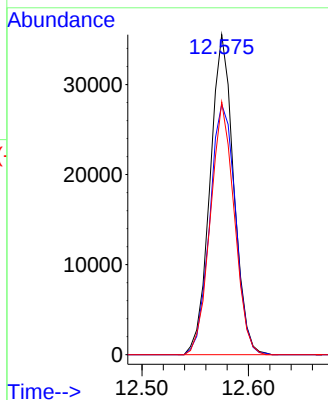
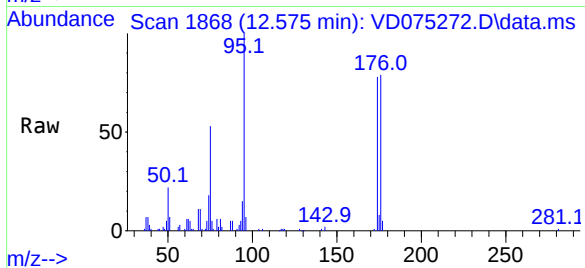




#62
4-Bromofluorobenzene
Concen: 48.433 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

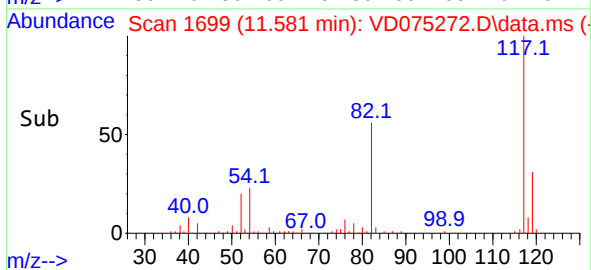
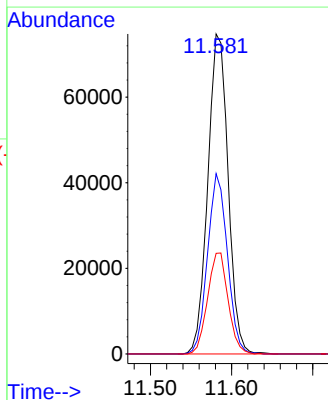
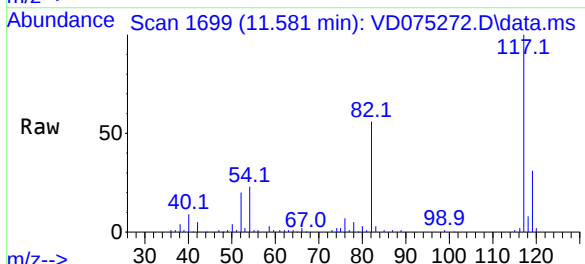
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-48

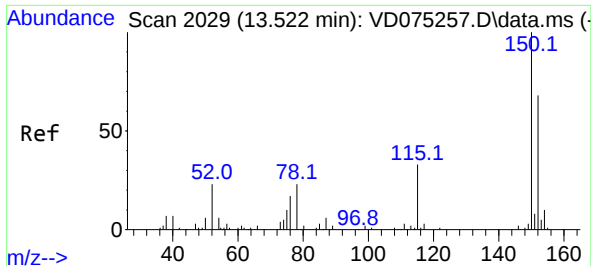
Tgt Ion:	95	Resp:	54676
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	161.2
176	79.6	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

Tgt Ion:	117	Resp:	129888
Ion	Ratio	Lower	Upper
117	100		
82	56.4	39.6	59.4
119	31.5	24.6	37.0

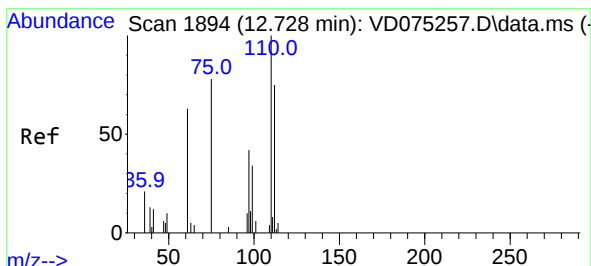
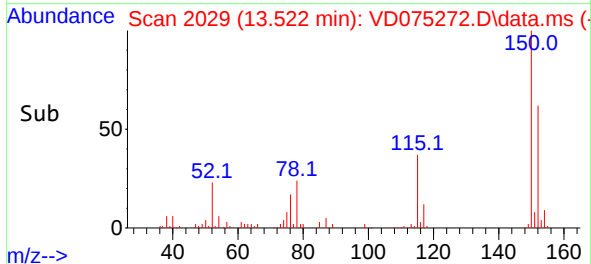
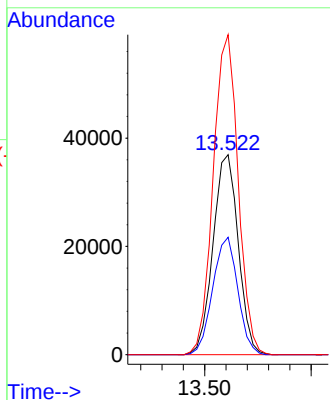
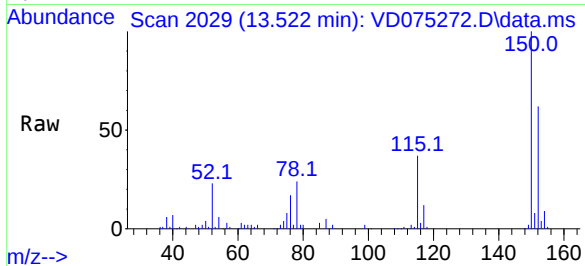




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

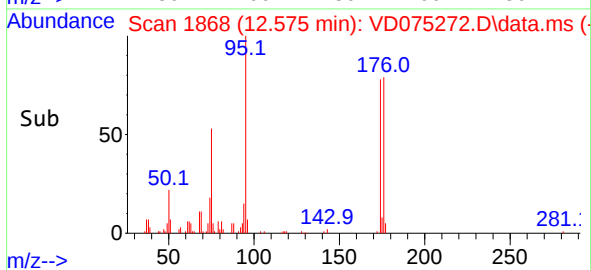
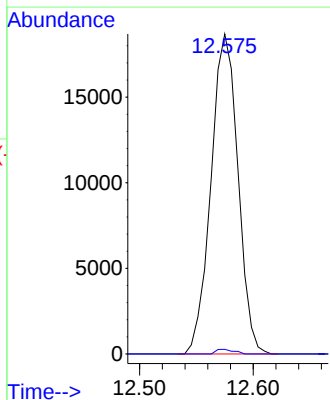
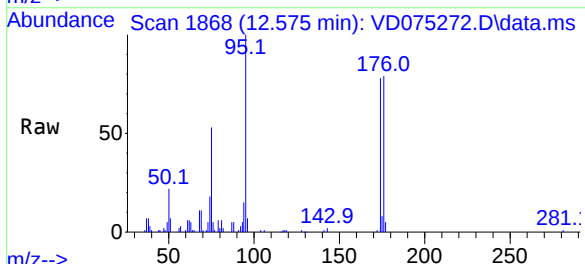
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-48

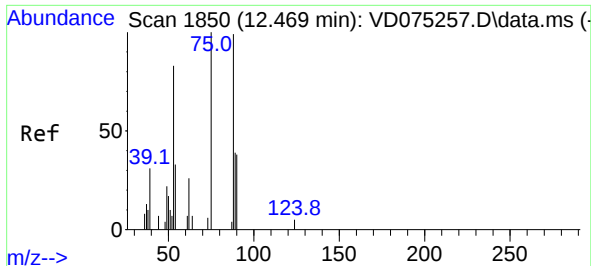
Tgt Ion:152 Resp: 60677
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.4
150 158.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.737 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075272.D
Acq: 08 Feb 2023 15:25

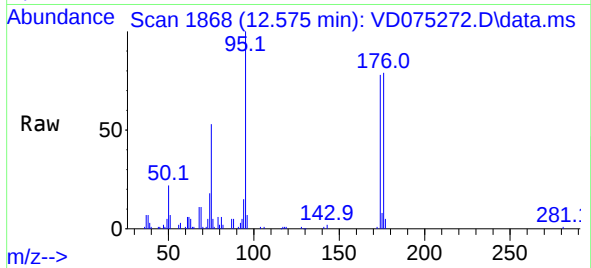
Tgt Ion: 75 Resp: 30833
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.228 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075272.D
 Acq: 08 Feb 2023 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-48



Tgt Ion: 75 Resp: 30833
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

