

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062123\
 Data File : VX036262.D
 Acq On : 21 Jun 2023 11:51
 Operator : JC/MD
 Sample : 03296-06
 Misc : 18.20g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOTAL-VOC-R-02-GRAB-7

Quant Time: Jun 22 05:00:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	136597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247349	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91279	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	182728	73.202	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 146.400%#	
35) Dibromofluoromethane	5.385	113	118308	70.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 141.060%#	
50) Toluene-d8	8.647	98	469108	76.458	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 152.920%#	
62) 4-Bromofluorobenzene	11.085	95	165867	66.972	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 133.940%#	

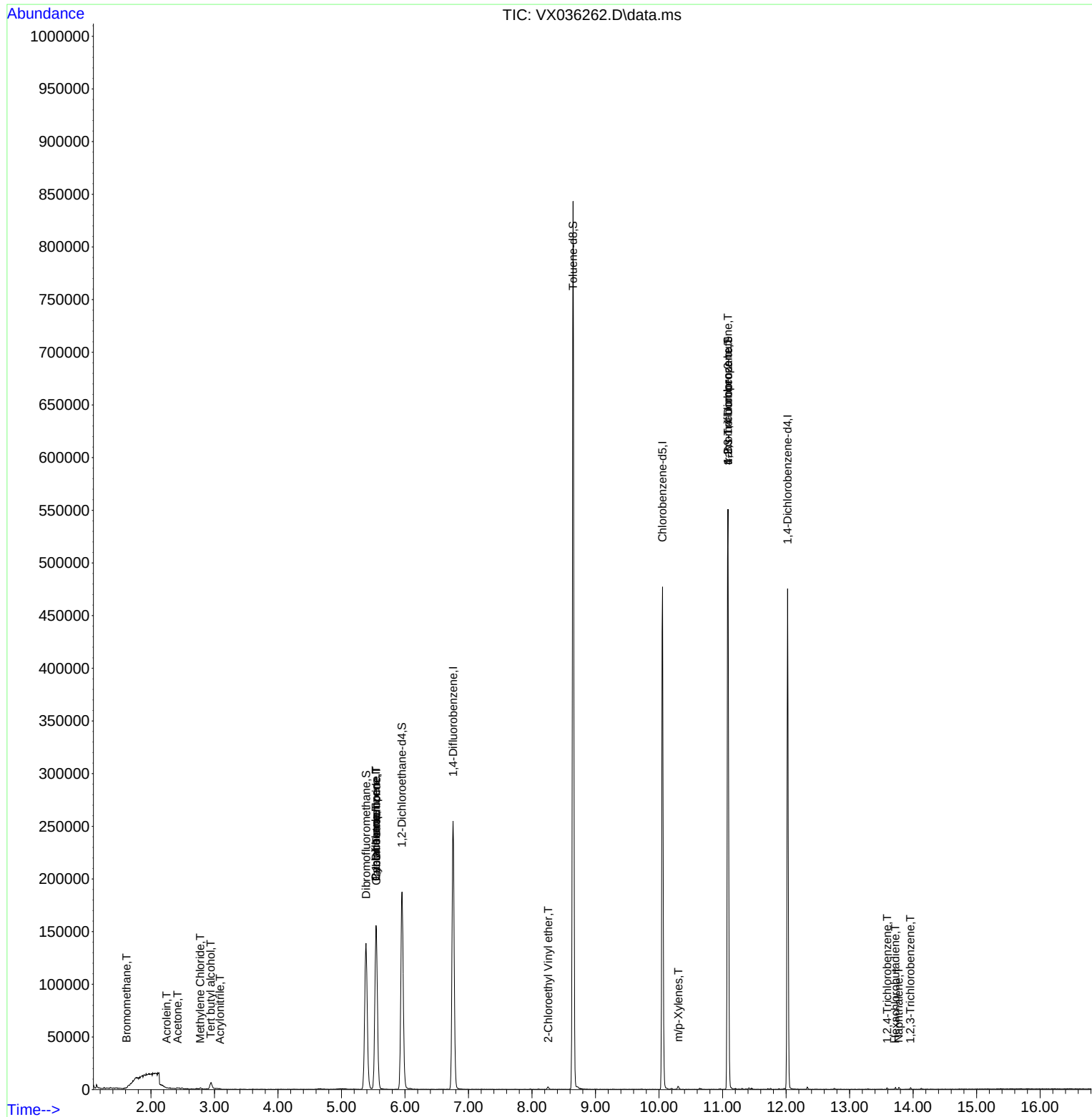
Target Compounds			Qvalue			
5) Bromomethane	1.618	94	230	0.221	ug/l	94
11) Tert butyl alcohol	2.940	59	3867	10.133	ug/l #	78
13) Acrolein	2.245	56	131	0.309	ug/l #	71
15) Acrylonitrile	3.087	53	205	0.210	ug/l #	64
16) Acetone	2.416	43	1484	1.431	ug/l #	79
20) Methylene Chloride	2.776	84	551	0.293	ug/l #	69
31) Cyclohexane	5.544	56	3627	1.354	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	13381	5.416	ug/l #	49
38) Carbon Tetrachloride	5.550	117	15397	6.410	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.257	63	1169	0.782	ug/l	97
68) m/p-Xylenes	10.305	106	676	0.230	ug/l	78
76) 1,2,3-Trichloropropane	11.085	75	92593	42.742	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	92593	149.608	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	463	0.275	ug/l	80
94) Hexachlorobutadiene	13.719	225	265	0.398	ug/l #	57
95) Naphthalene	13.774	128	1437	0.247	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.957	180	668	0.396	ug/l	76

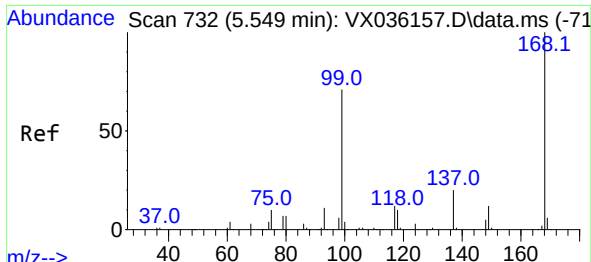
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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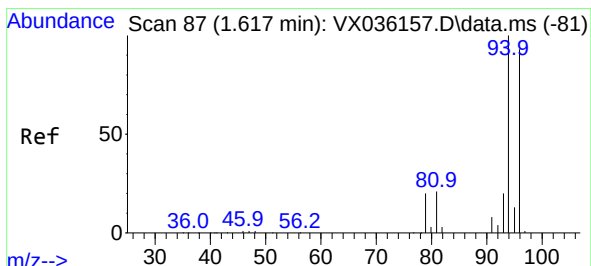
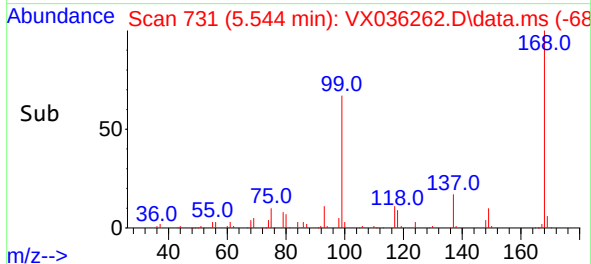
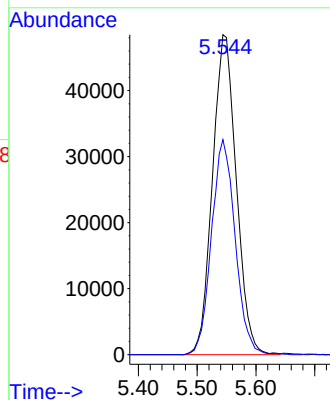
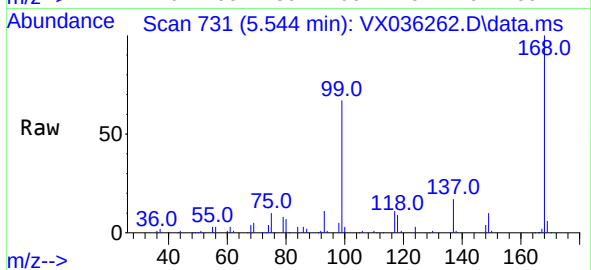




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

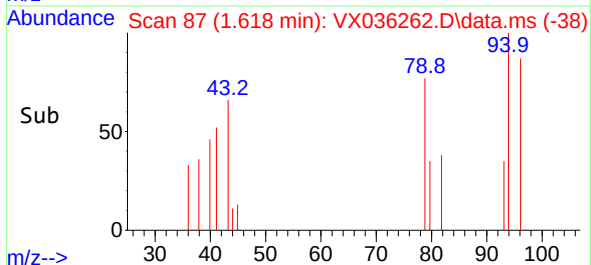
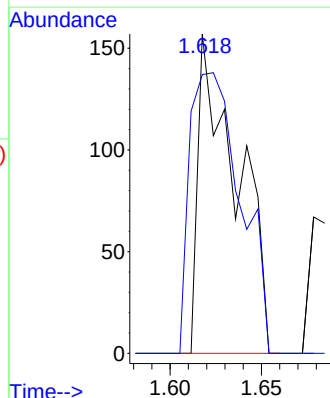
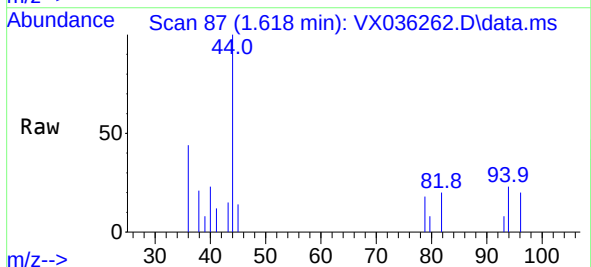
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

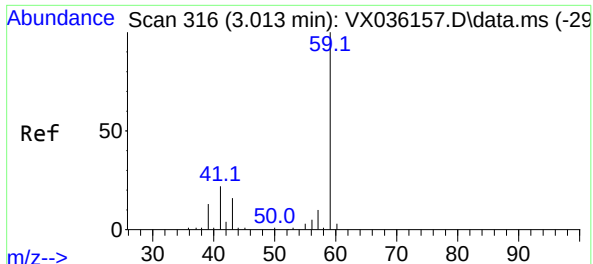
Tgt Ion:168 Resp: 136597
Ion Ratio Lower Upper
168 100
99 67.2 56.6 85.0



#5
Bromomethane
Concen: 0.221 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.001 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 87.3 74.6 111.8

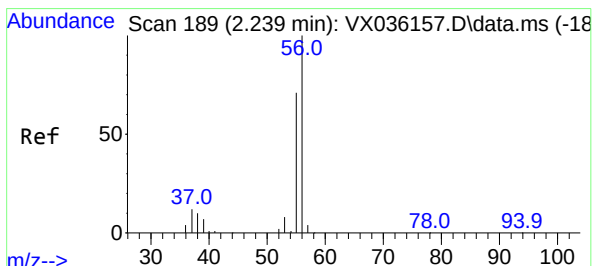
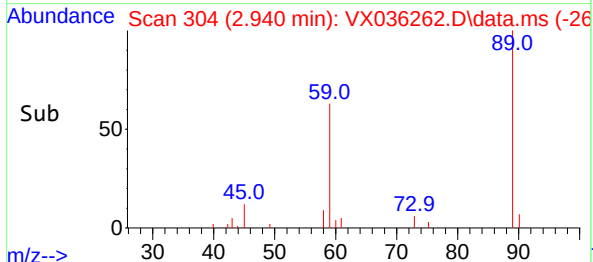
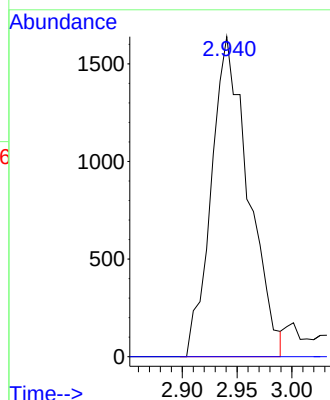
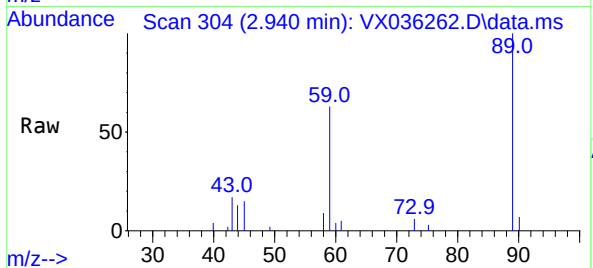




#11
Tert butyl alcohol
Concen: 10.133 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.073 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

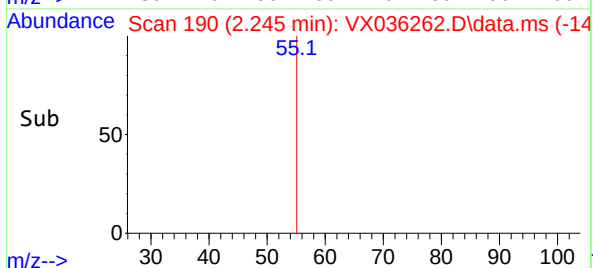
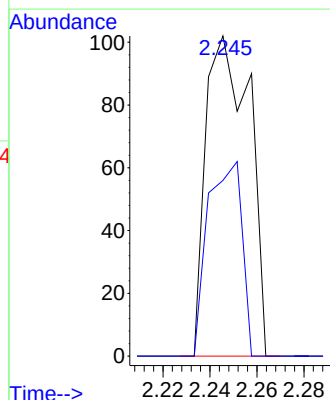
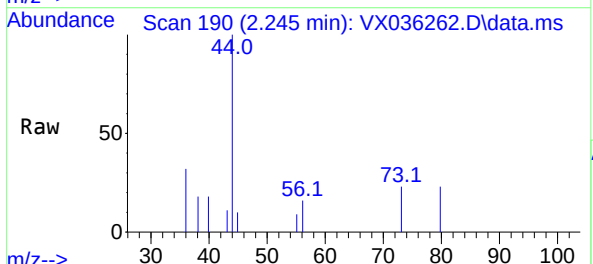
Instrument : MSVOA_X
ClientSampleId : TOTAL-VOC-R-02-GRAB-7

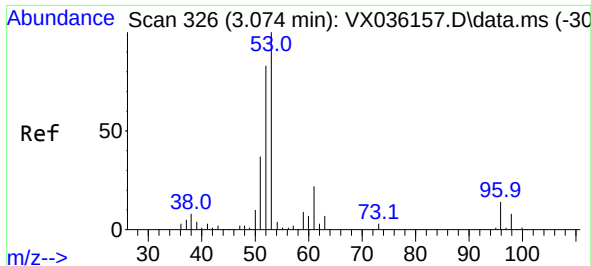
Tgt Ion: 59 Resp: 3867
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.309 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 47.3 57.1 85.7#

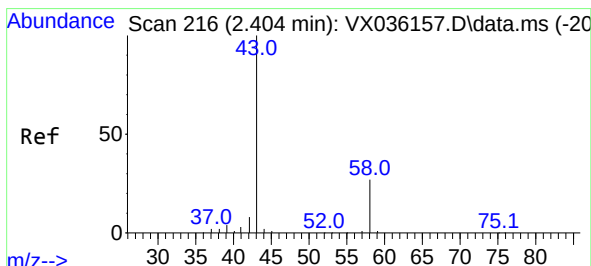
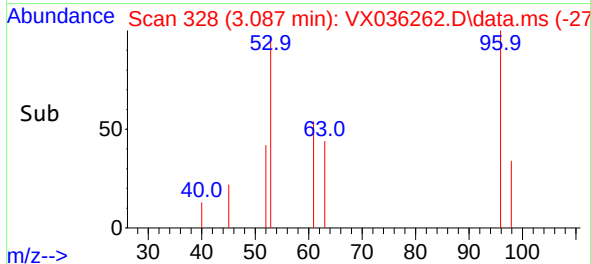
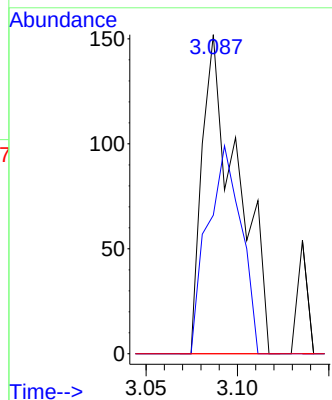
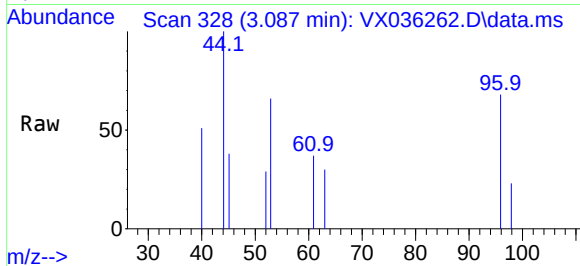




#15
Acrylonitrile
Concen: 0.210 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

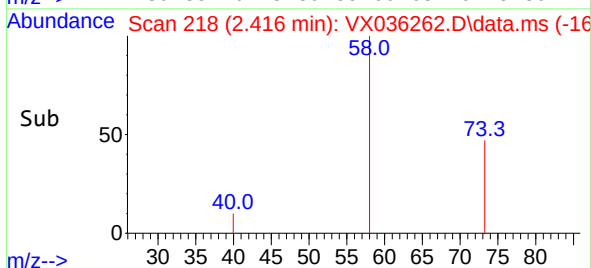
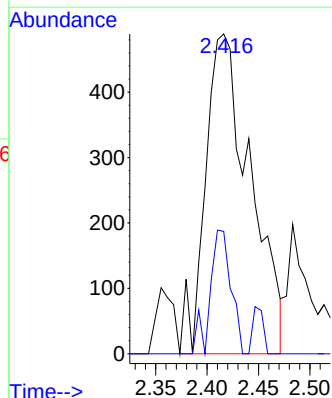
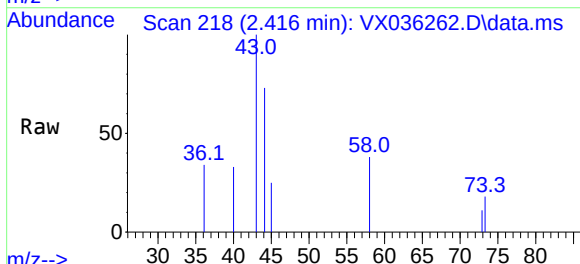
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

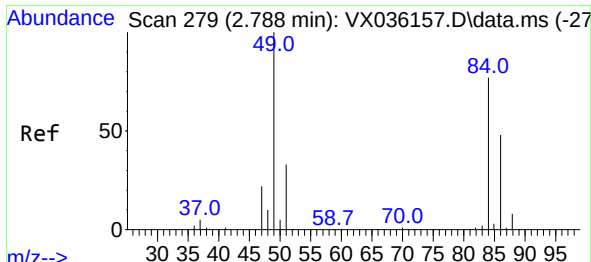
Tgt Ion: 53 Resp: 205
Ion Ratio Lower Upper
53 100
52 61.5 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 1.431 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.012 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 38.2 21.9 32.9#

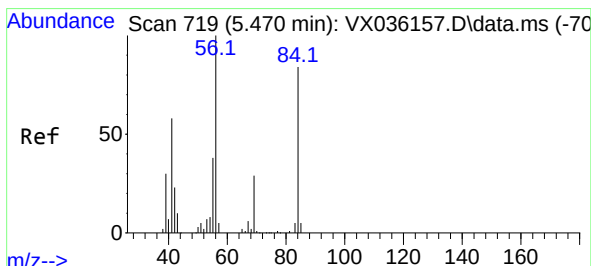
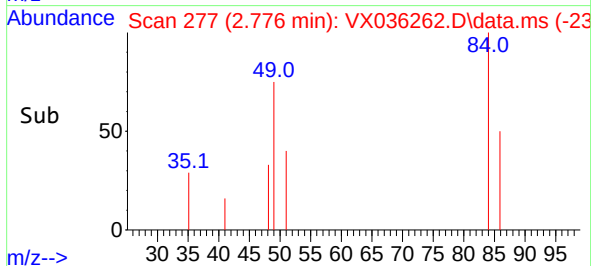
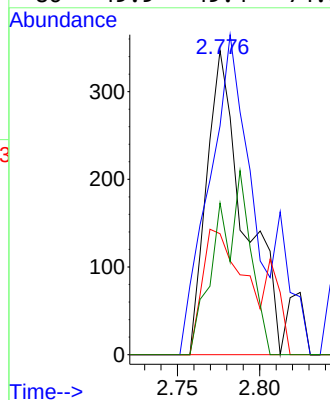
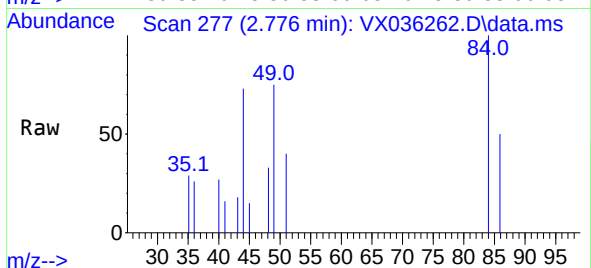




#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

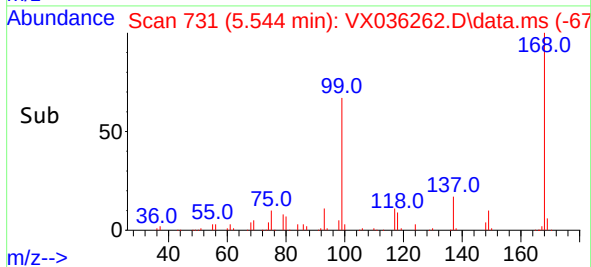
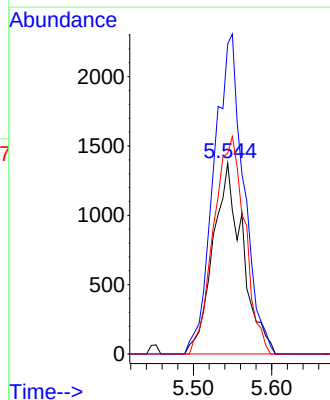
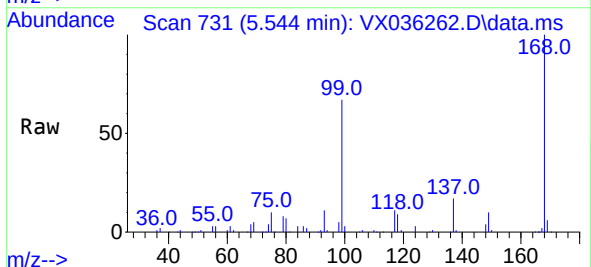
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

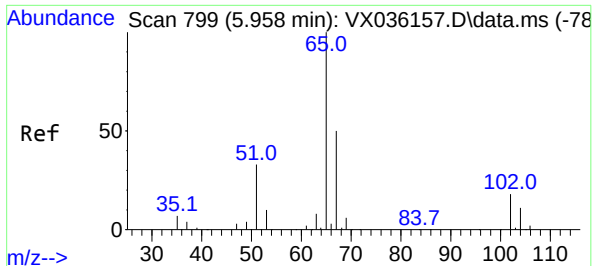
Tgt Ion:	84	Resp:	551
Ion	Ratio	Lower	Upper
84	100		
49	75.2	103.6	155.4#
51	39.8	33.8	50.6
86	49.9	49.4	74.0



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion:	56	Resp:	3627
Ion	Ratio	Lower	Upper
56	100		
69	162.6	23.4	35.2#
84	105.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 73.202 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036262.D

Acq: 21 Jun 2023 11:51

Instrument :

MSVOA_X

ClientSampleId :

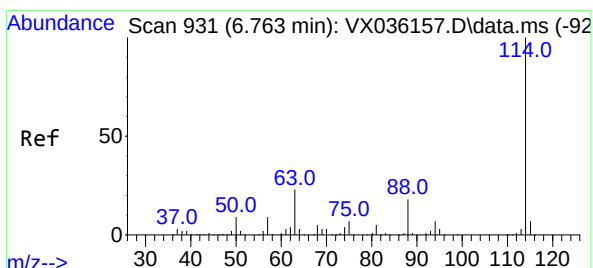
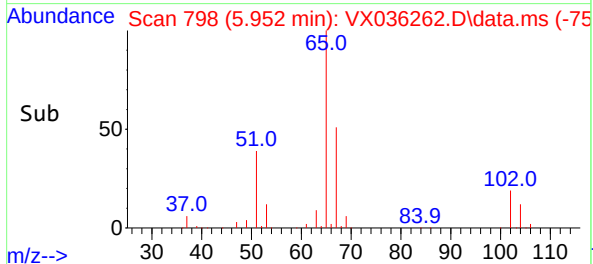
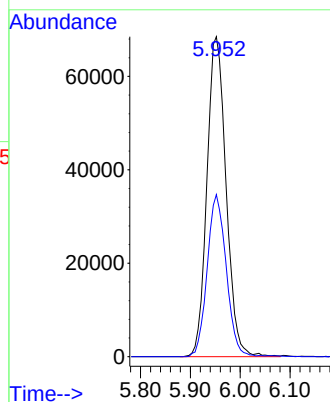
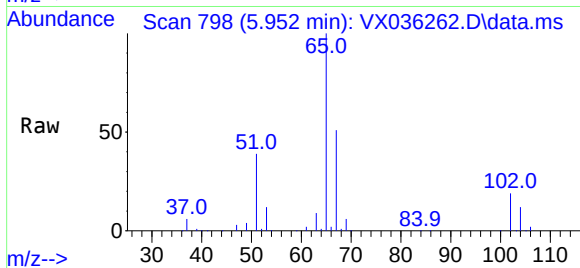
TOTAL-VOC-R-02-GRAB-7

Tgt Ion: 65 Resp: 182728

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036262.D

Acq: 21 Jun 2023 11:51

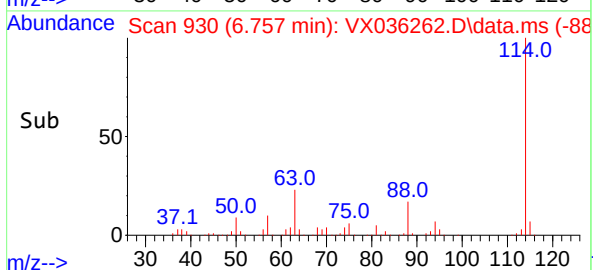
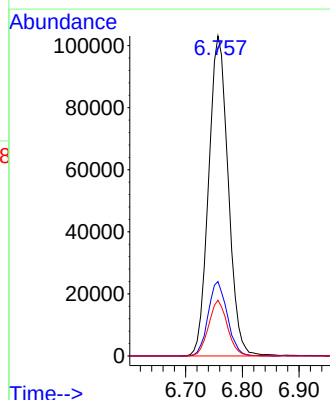
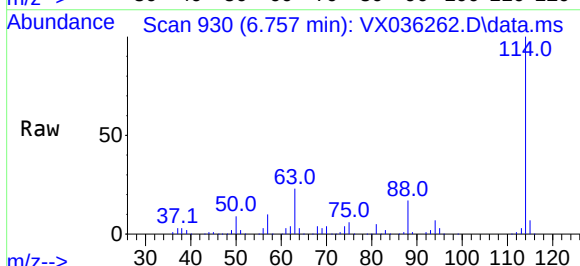
Tgt Ion: 114 Resp: 247349

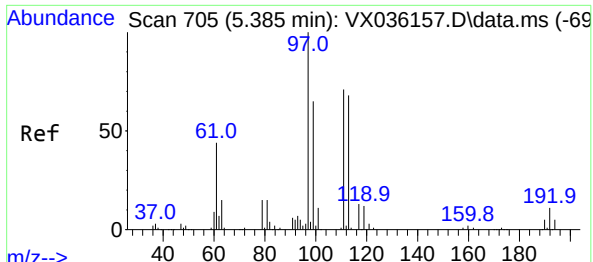
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 17.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 70.534 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036262.D

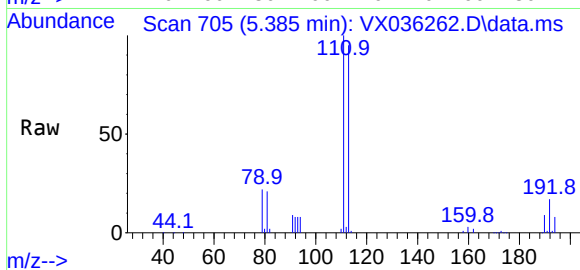
Acq: 21 Jun 2023 11:51

Instrument :

MSVOA_X

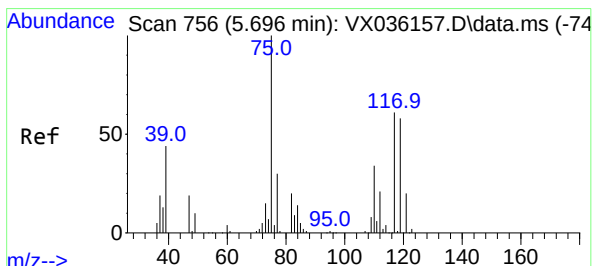
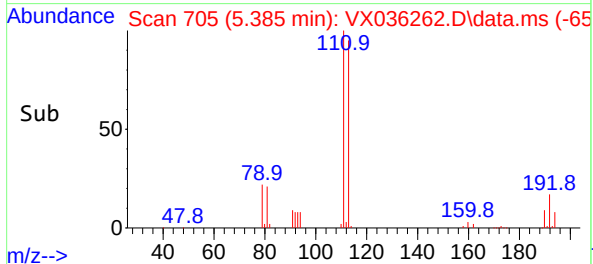
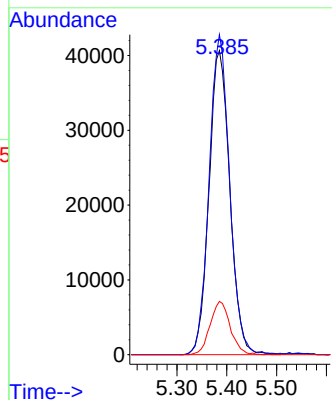
ClientSampleId :

TOTAL-VOC-R-02-GRAB-7



Tgt Ion:113 Resp: 118308

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	16.9	13.3	19.9



#36

1,1-Dichloropropene

Concen: 5.416 ug/l

RT: 5.544 min Scan# 731

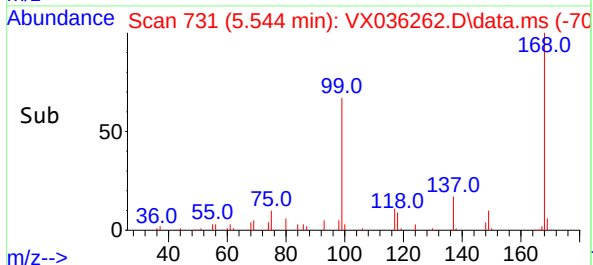
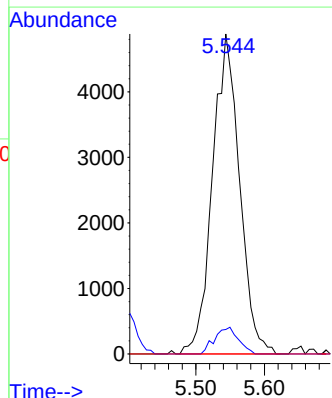
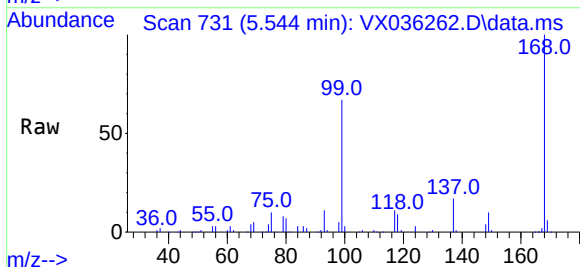
Delta R.T. -0.152 min

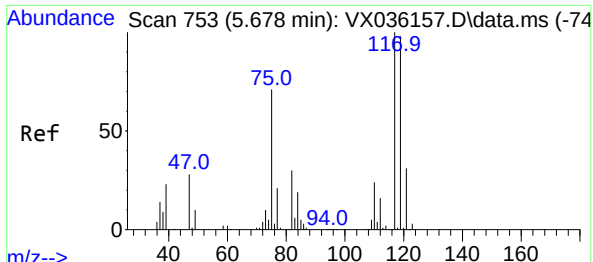
Lab File: VX036262.D

Acq: 21 Jun 2023 11:51

Tgt Ion: 75 Resp: 13381

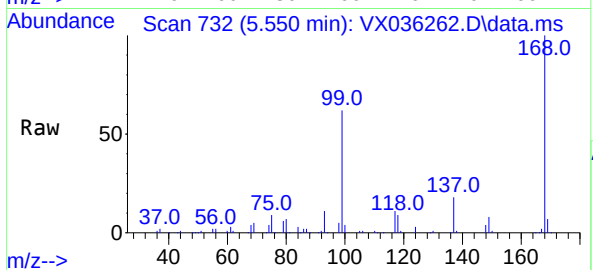
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.0	50.9#
77	0.0	24.7	37.1#



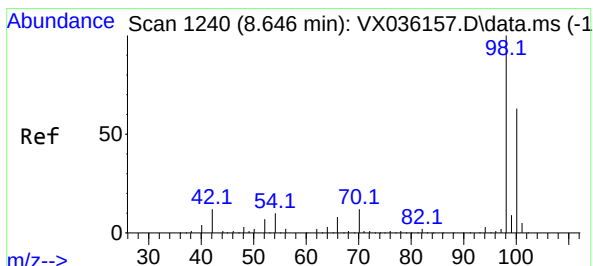
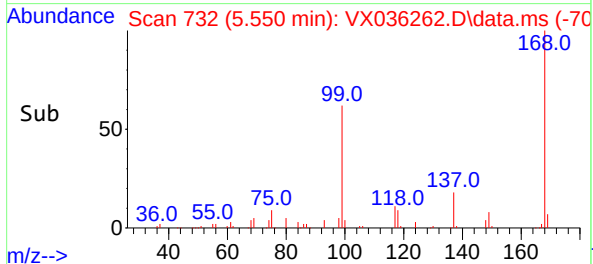
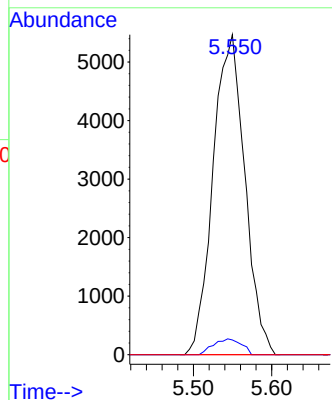


#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

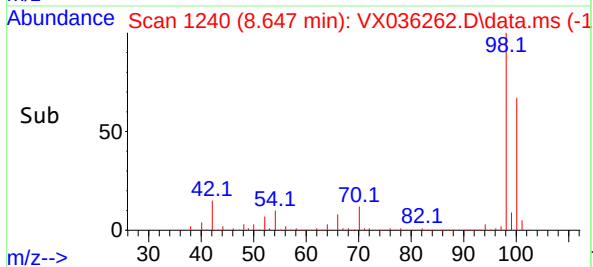
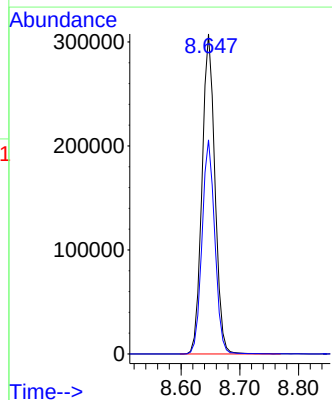
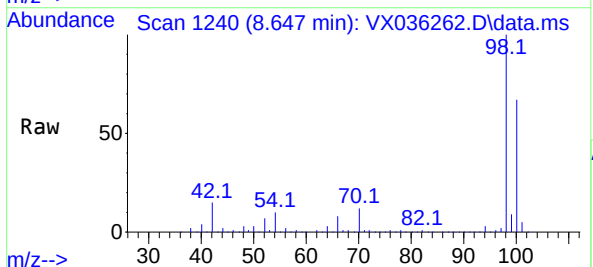


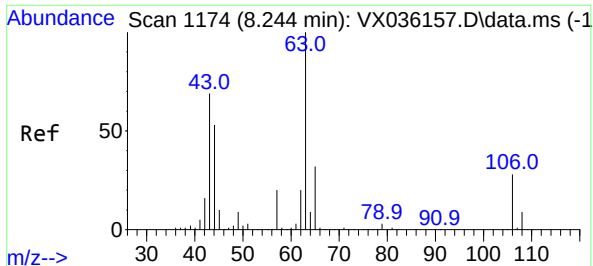
Tgt Ion:117 Resp: 15397
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 76.458 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 98 Resp: 469108
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

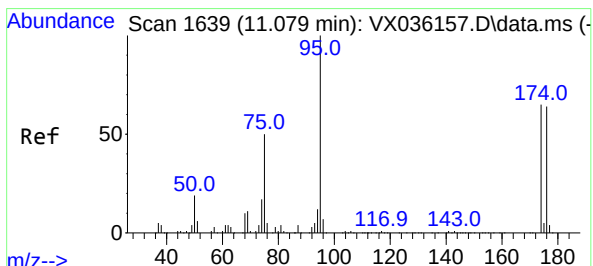
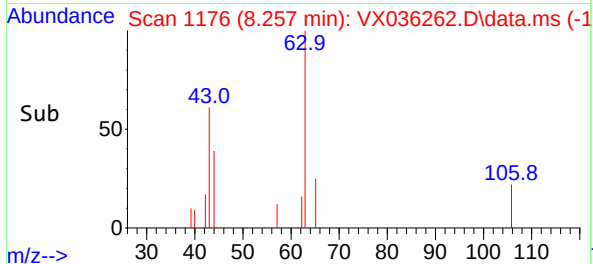
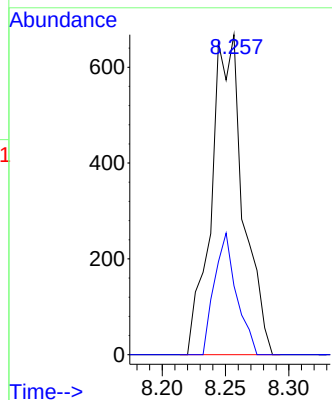
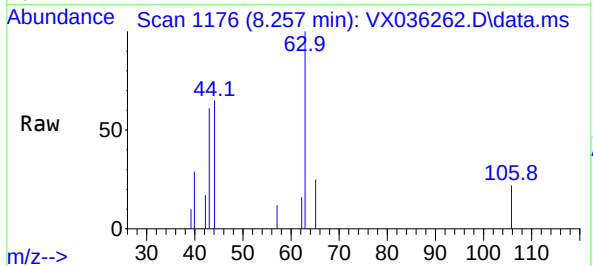




#58
2-Chloroethyl Vinyl ether
Concen: 0.782 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.013 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

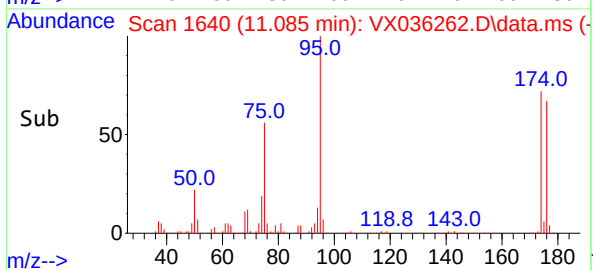
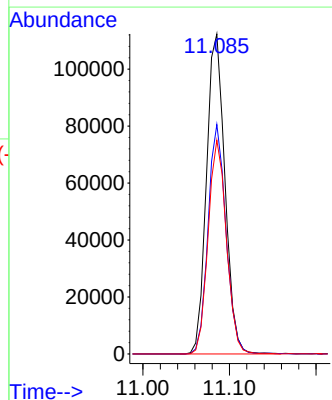
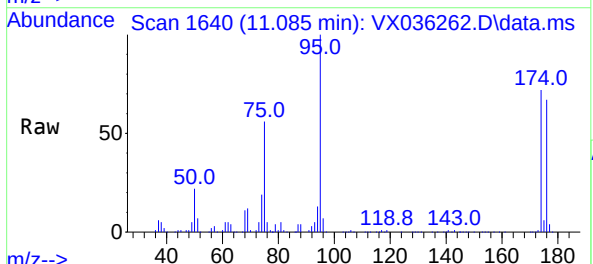
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

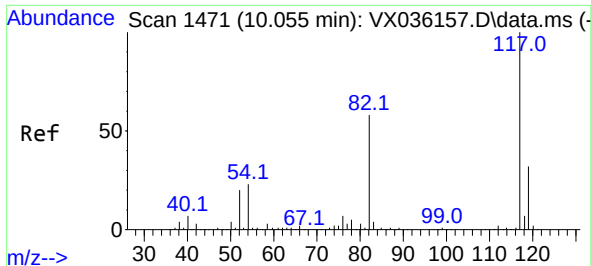
Tgt Ion: 63 Resp: 1169
Ion Ratio Lower Upper
63 100
106 26.3 22.5 33.7



#62
4-Bromofluorobenzene
Concen: 66.972 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 95 Resp: 165867
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.6
176 66.3 0.0 131.0

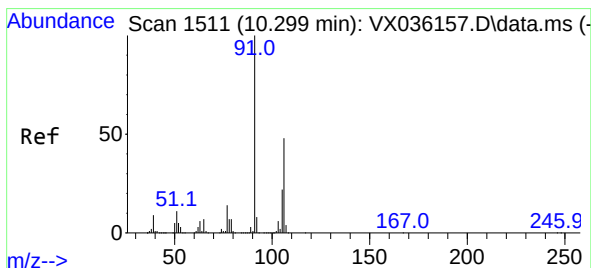
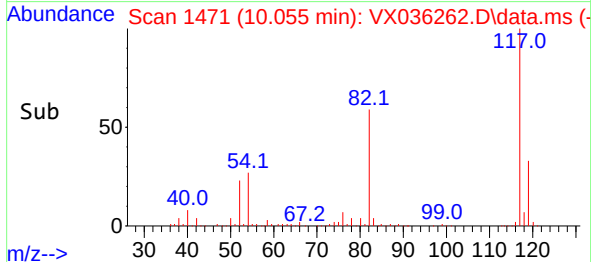
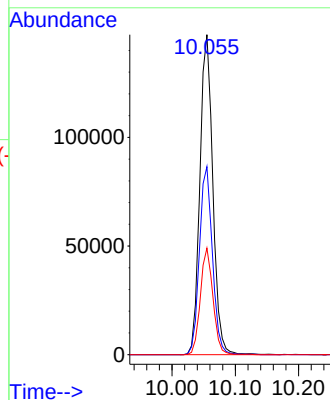
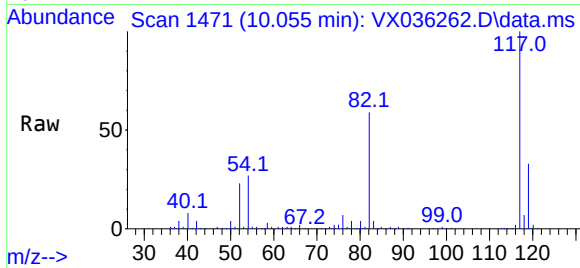




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

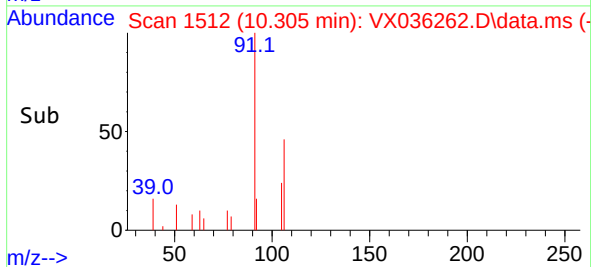
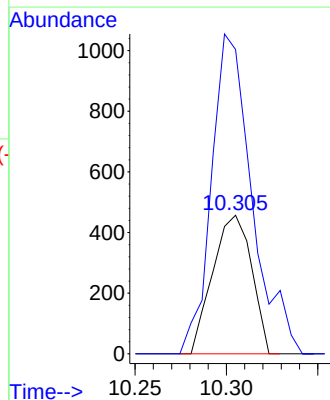
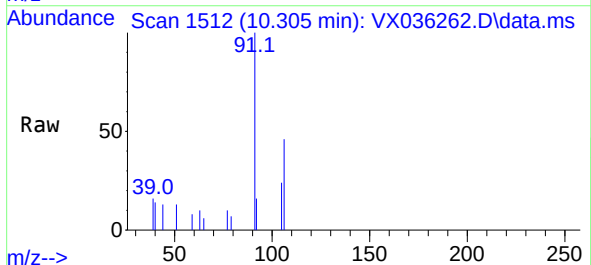
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

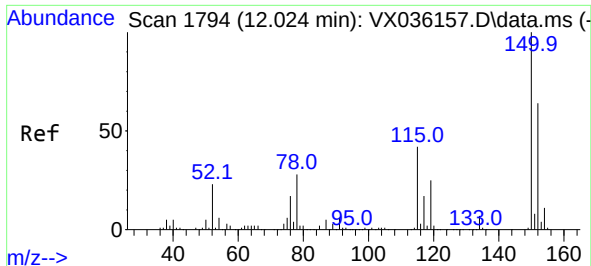
Tgt Ion:117 Resp: 210114
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.4
119 33.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion:106 Resp: 676
Ion Ratio Lower Upper
106 100
91 240.5 165.5 248.3

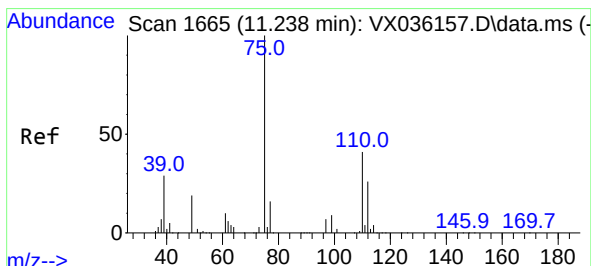
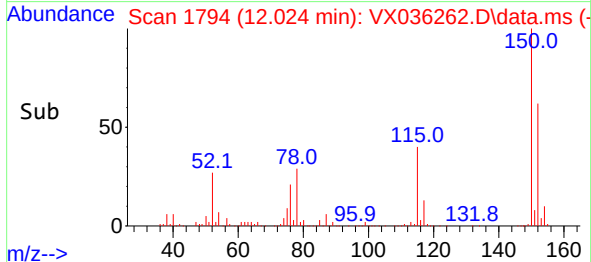
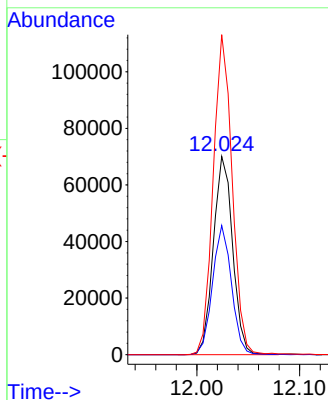
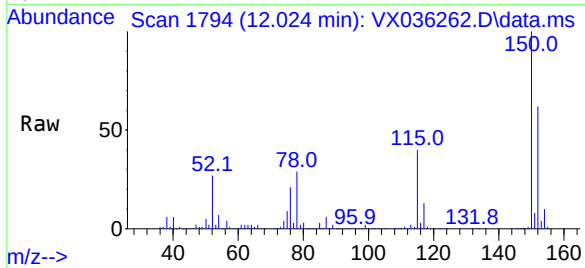




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

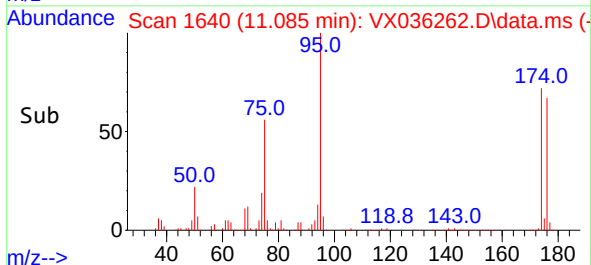
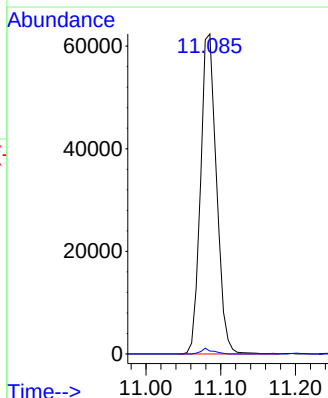
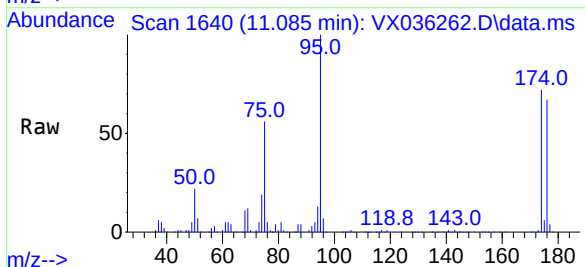
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

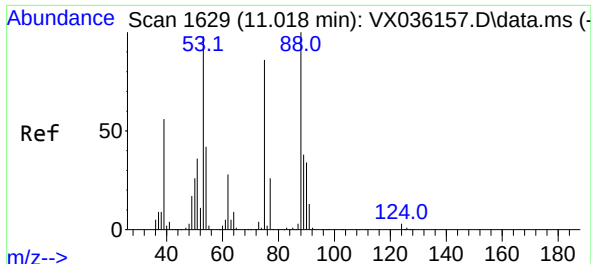
Tgt Ion:152 Resp: 91279
Ion Ratio Lower Upper
152 100
115 64.1 43.3 129.9
150 159.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 42.742 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

Tgt Ion: 75 Resp: 92593
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

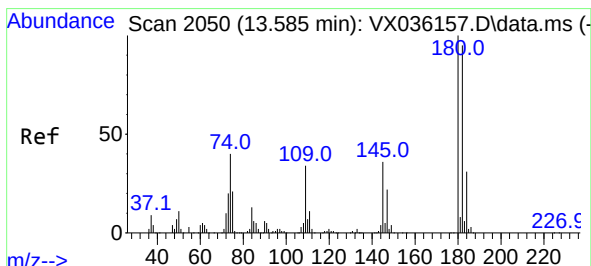
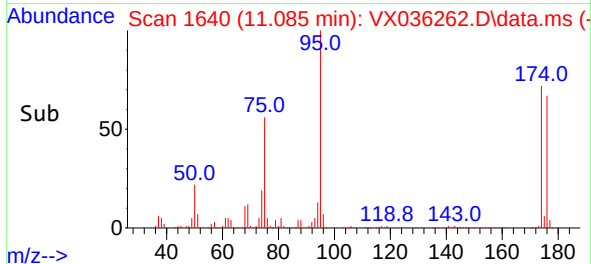
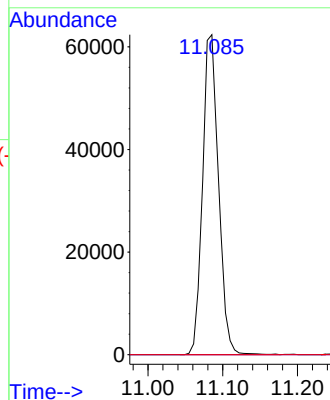
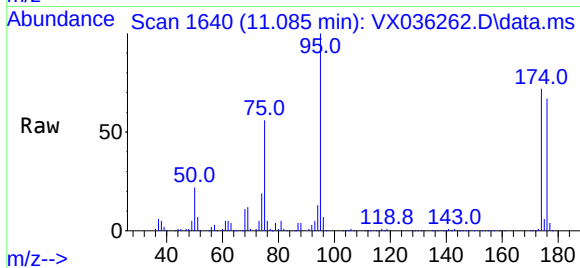




#81
trans-1,4-Dichloro-2-butene
Concen: 149.608 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

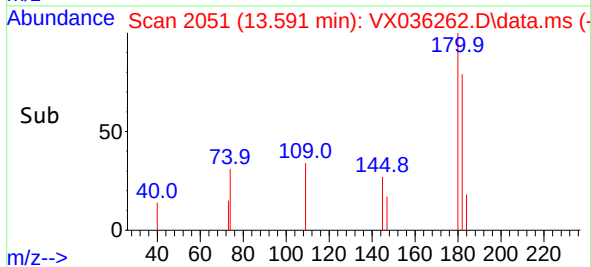
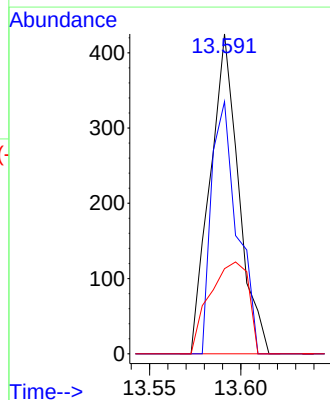
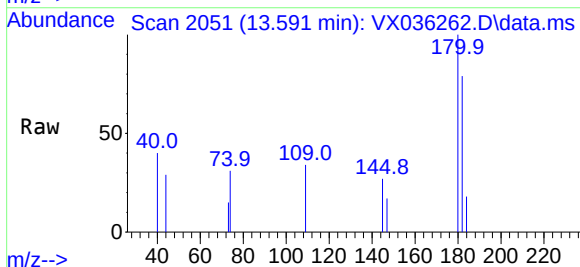
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7

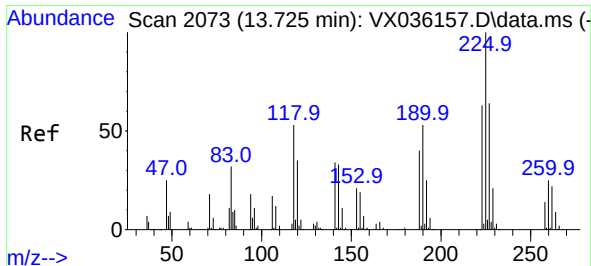
Tgt Ion: 75 Resp: 92593
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.275 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

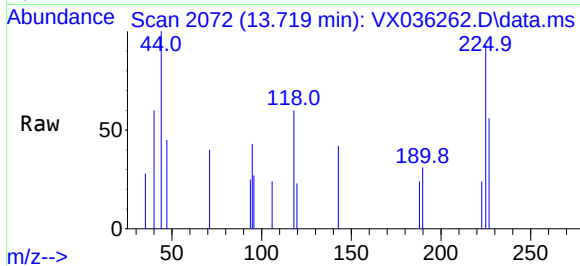
Tgt Ion:180 Resp: 463
Ion Ratio Lower Upper
180 100
182 71.1 48.3 144.8
145 38.9 18.0 54.0



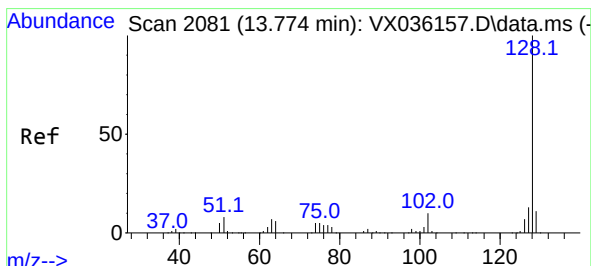
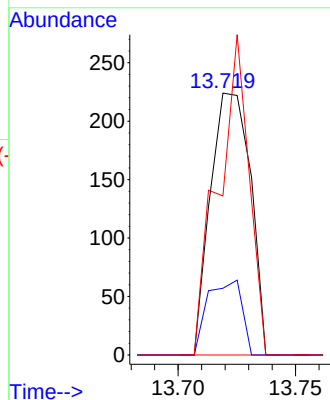
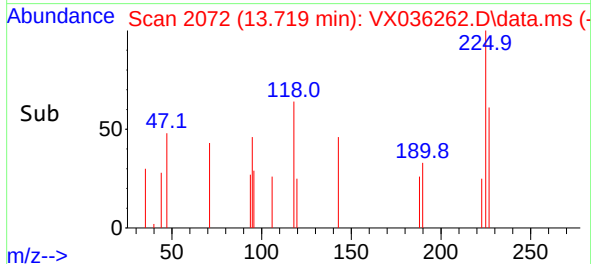


#94
Hexachlorobutadiene
Concen: 0.398 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51

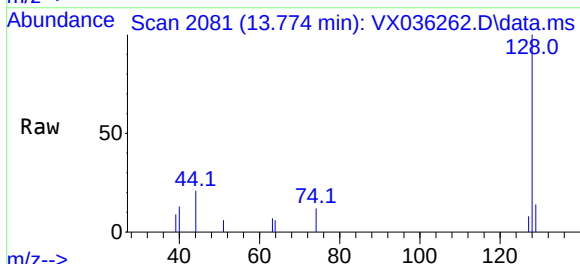
Instrument :
MSVOA_X
ClientSampleId :
TOTAL-VOC-R-02-GRAB-7



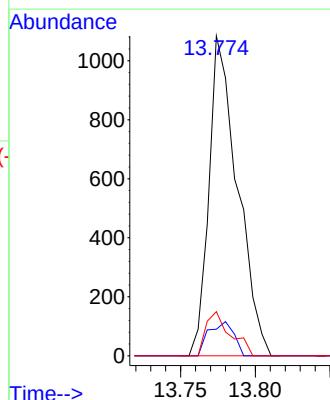
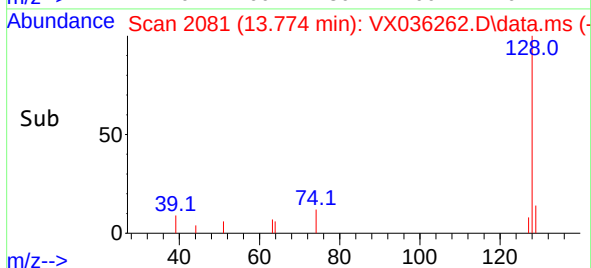
Tgt Ion:225 Resp: 265
Ion Ratio Lower Upper
225 100
223 24.2 31.1 93.2#
227 94.3 32.5 97.5

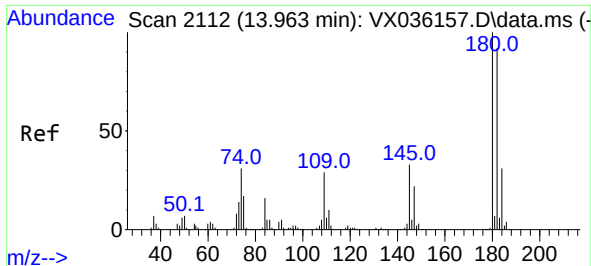


#95
Naphthalene
Concen: 0.247 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036262.D
Acq: 21 Jun 2023 11:51



Tgt Ion:128 Resp: 1437
Ion Ratio Lower Upper
128 100
127 9.3 10.3 15.5#
129 11.8 8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.396 ug/l

RT: 13.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX036262.D

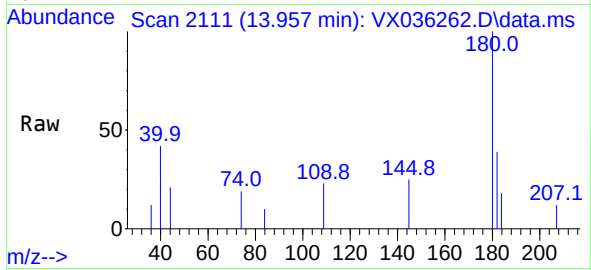
Acq: 21 Jun 2023 11:51

Instrument :

MSVOA_X

ClientSampleId :

TOTAL-VOC-R-02-GRAB-7



Tgt Ion:180 Resp: 668

Ion Ratio Lower Upper

180 100

182 63.9 46.9 140.6

145 32.8 17.8 53.5

