

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012547.D
 Acq On : 08 Feb 2023 16:59
 Operator : KP/MD
 Sample : 01462-22
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-24

Quant Time: Feb 09 07:15:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

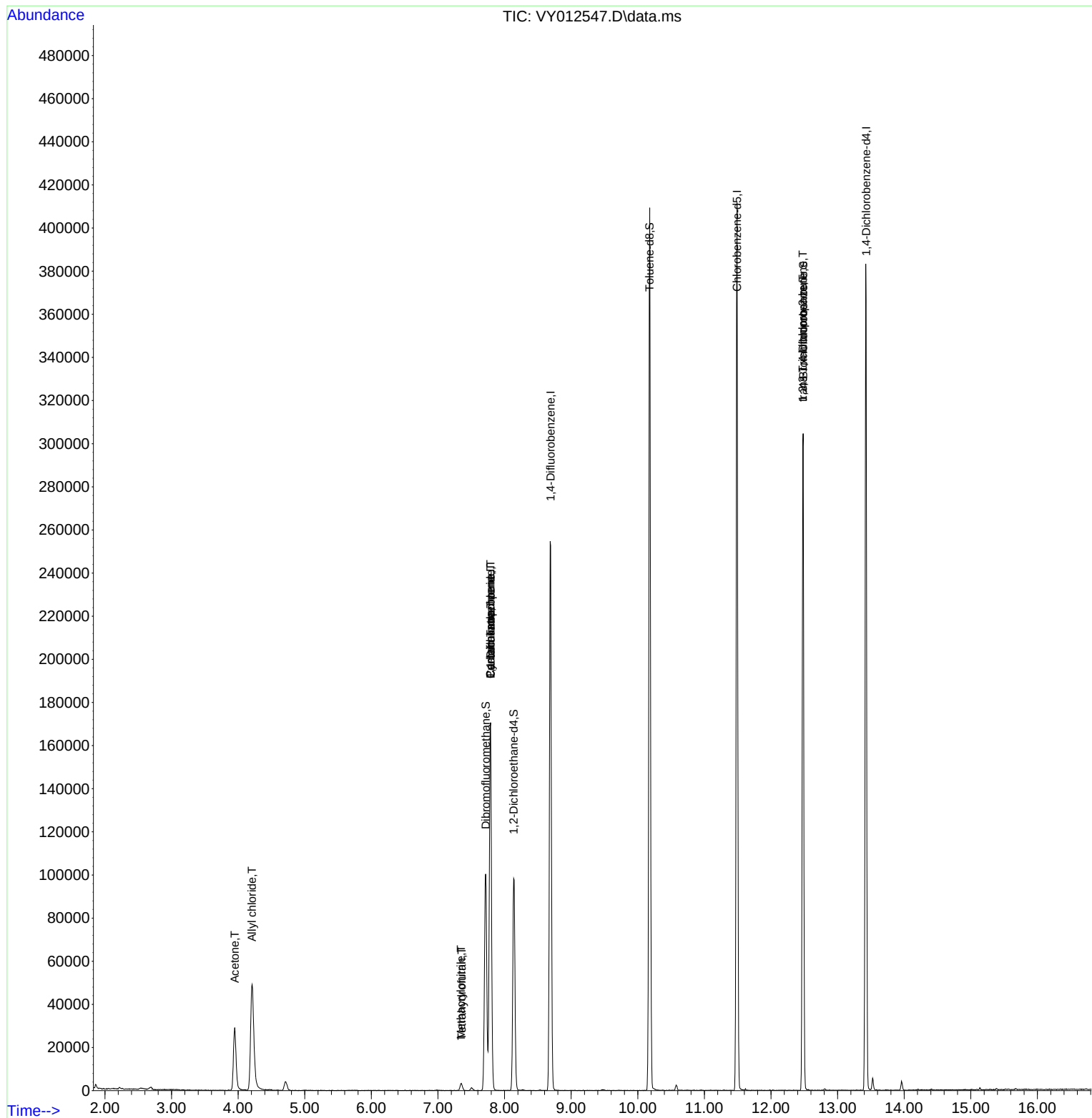
Internal Standards						
1) Pentafluorobenzene	7.789	168	139540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	231294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	228758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85094	47.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.920%		
35) Dibromofluoromethane	7.716	113	70092	41.612	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.220%		
50) Toluene-d8	10.179	98	275786	39.336	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.680%		
62) 4-Bromofluorobenzene	12.483	95	90095	36.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	73.680%		
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	27	Below Cal	#	41
5) Bromomethane	2.662	94	189	Below Cal		92
14) Allyl chloride	4.204	41	7170	4.233	ug/l #	60
16) Acetone	3.948	43	50694	118.700	ug/l	97
20) Methylene Chloride	4.716	84	3547	Below Cal		90
29) Tetrahydrofuran	7.356	42	2257	8.811	ug/l	92
31) Cyclohexane	7.789	56	2405	1.172	ug/l #	39
36) 1,1-Dichloropropene	7.789	75	9231	4.049	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13544	4.426	ug/l #	16
41) Methacrylonitrile	7.344	41	1194	2.119	ug/l #	100
76) 1,2,3-Trichloropropane	12.477	75	47789	40.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47789	91.663	ug/l #	12

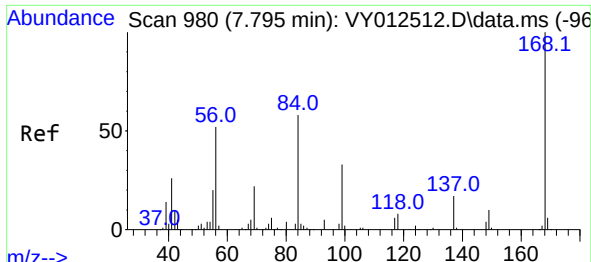
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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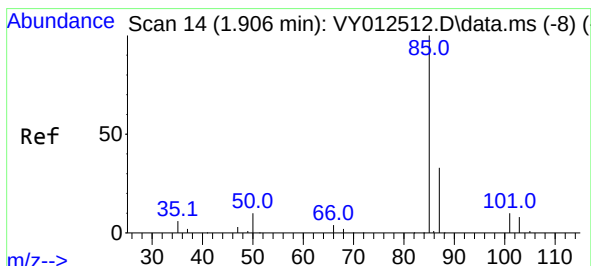
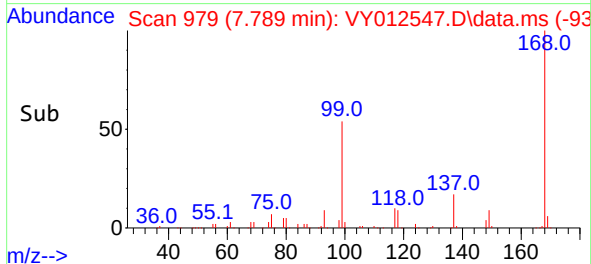
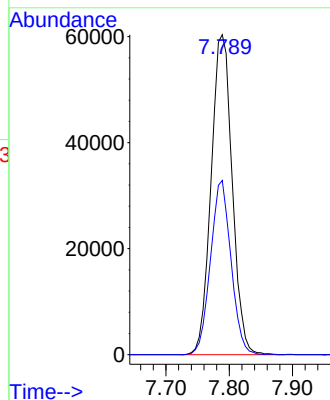
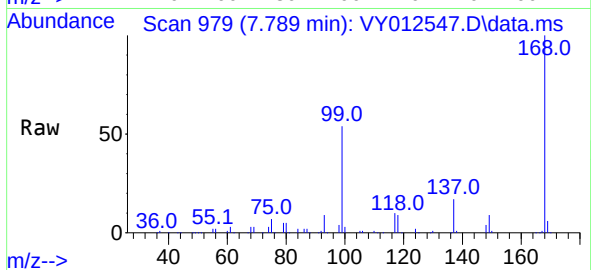




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

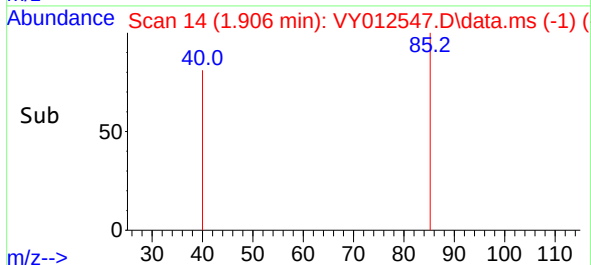
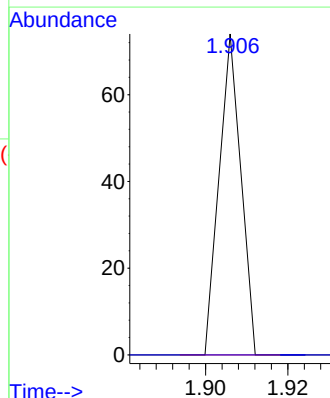
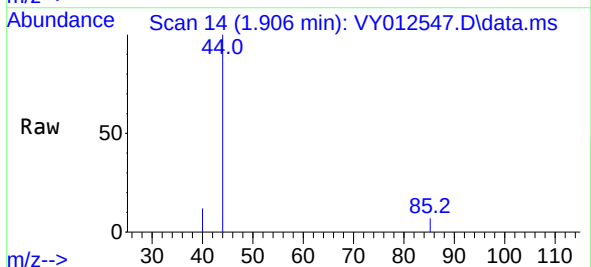
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

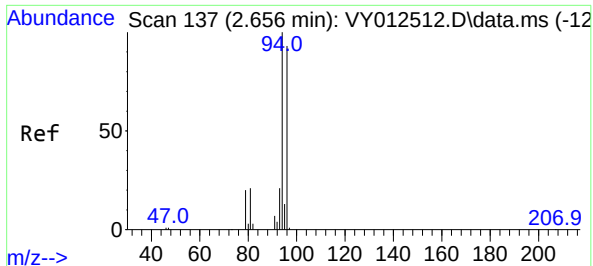
Tgt Ion:168 Resp: 139540
Ion Ratio Lower Upper
168 100
99 54.5 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

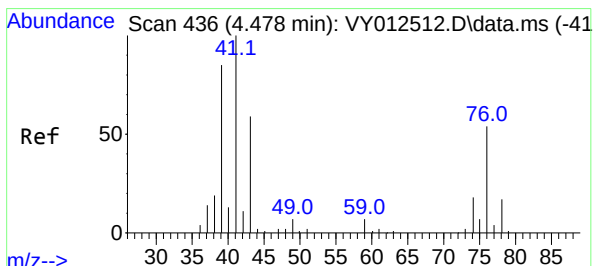
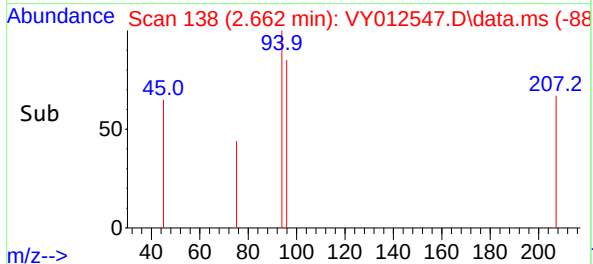
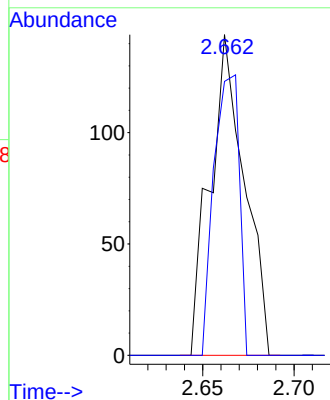
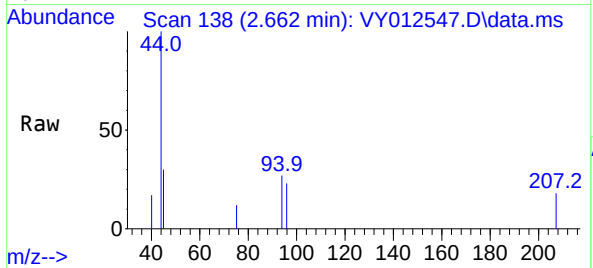




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

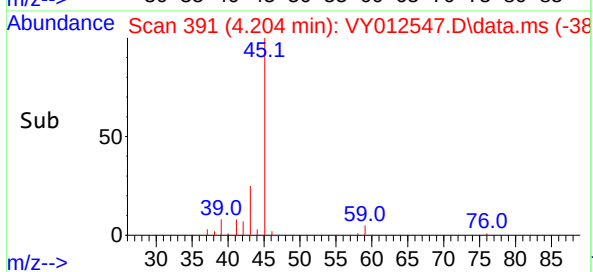
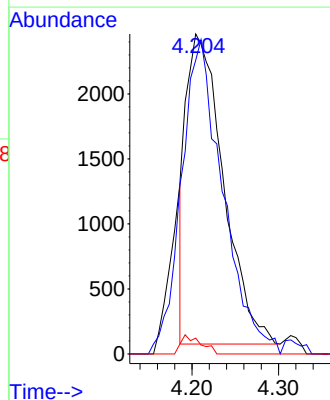
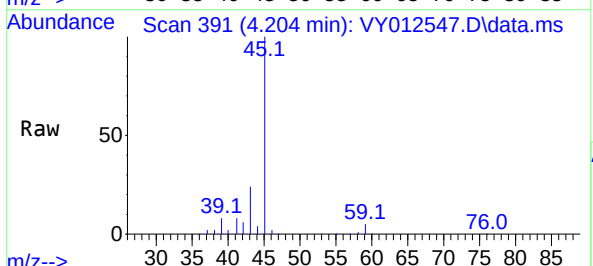
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

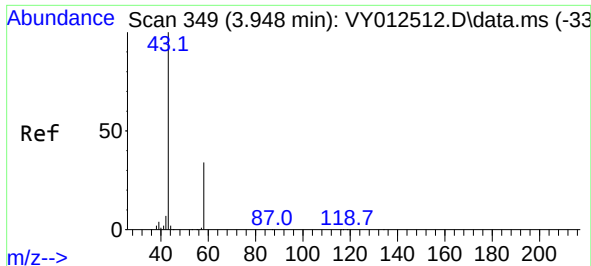
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 85.4 74.7 112.1



#14
Allyl chloride
Concen: 4.233 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 41 Resp: 7170
Ion Ratio Lower Upper
41 100
39 97.0 62.6 94.0#
76 2.9 39.6 59.4#

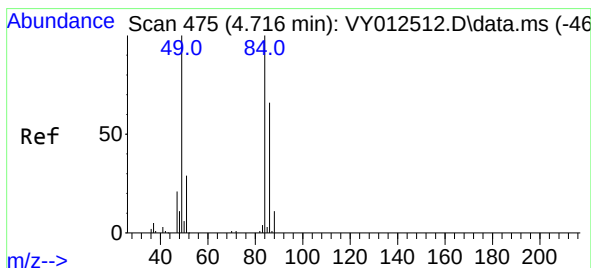
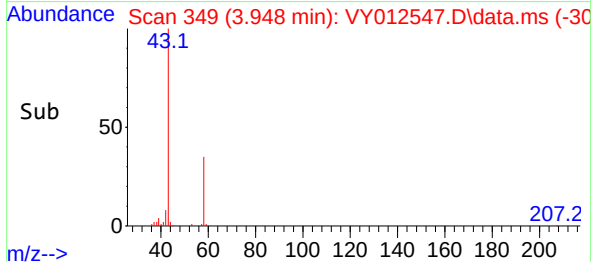
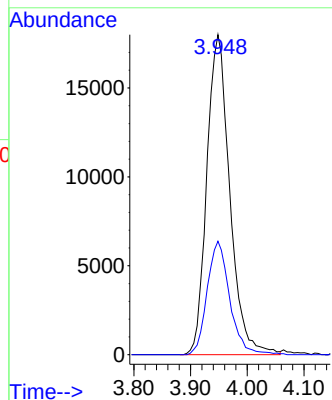
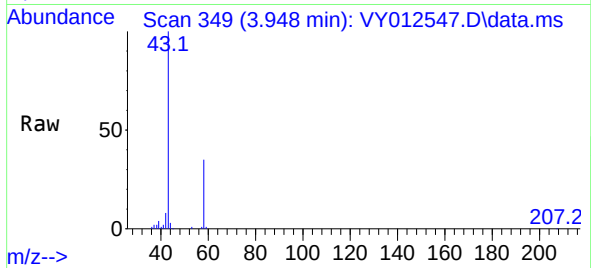




#16
Acetone
Concen: 118.700 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

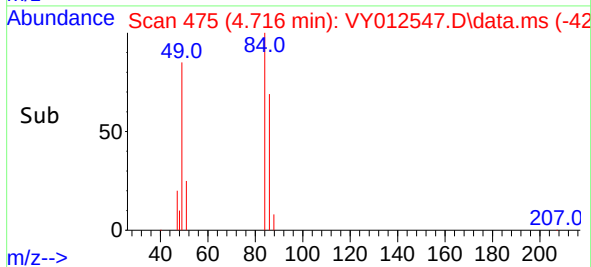
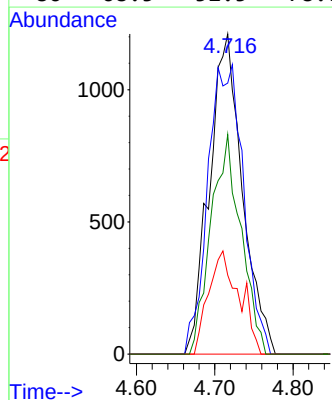
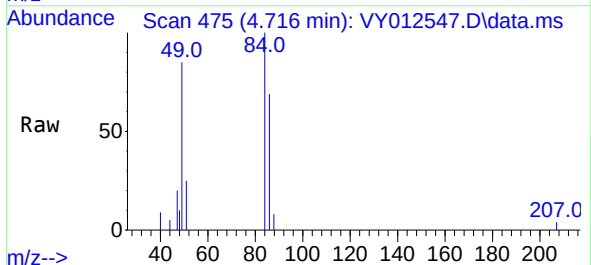
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

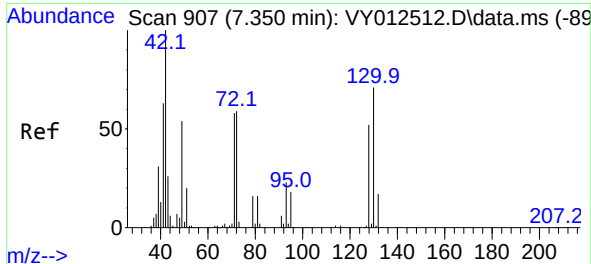
Tgt Ion: 43 Resp: 50694
Ion Ratio Lower Upper
43 100
58 35.4 27.1 40.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 84 Resp: 3547
Ion Ratio Lower Upper
84 100
49 84.6 79.8 119.6
51 24.7 23.4 35.2
86 68.5 52.5 78.7





#29

Tetrahydrofuran

Concen: 8.811 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012547.D

Acq: 08 Feb 2023 16:59

Instrument :

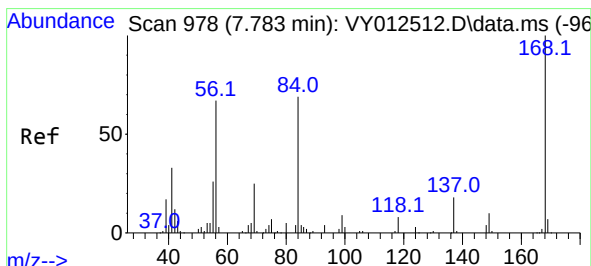
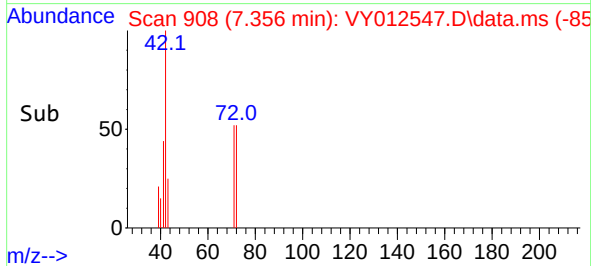
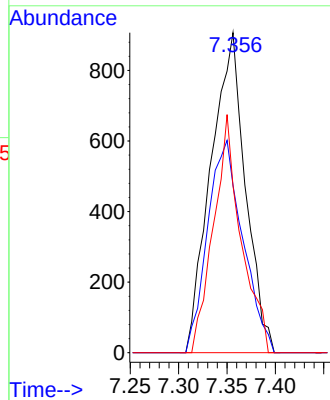
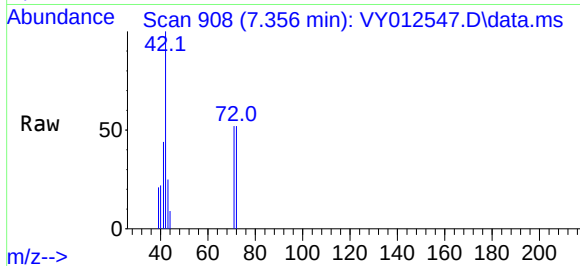
MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-24

Tgt Ion: 42 Resp: 2257

Ion	Ratio	Lower	Upper
42	100		
72	67.7	47.0	70.6
71	59.1	44.6	66.8



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.789 min Scan# 979

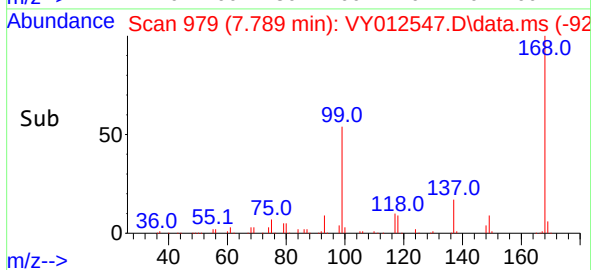
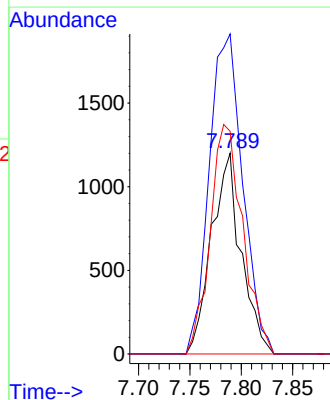
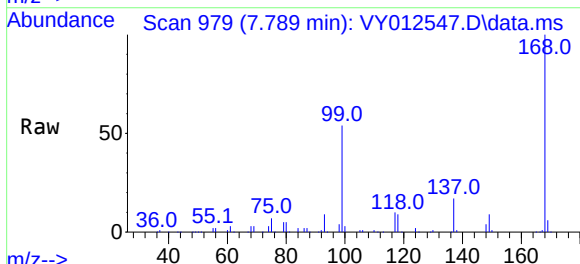
Delta R.T. 0.006 min

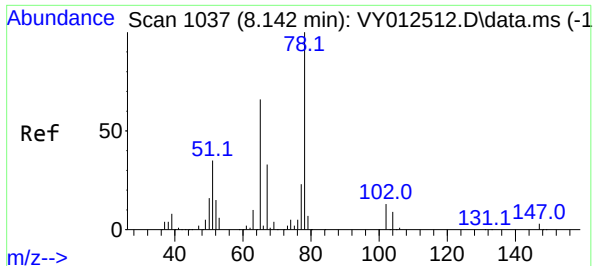
Lab File: VY012547.D

Acq: 08 Feb 2023 16:59

Tgt Ion: 56 Resp: 2405

Ion	Ratio	Lower	Upper
56	100		
69	159.3	29.5	44.3#
84	110.9	81.9	122.9





#33

1,2-Dichloroethane-d4

Concen: 47.956 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012547.D

Acq: 08 Feb 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

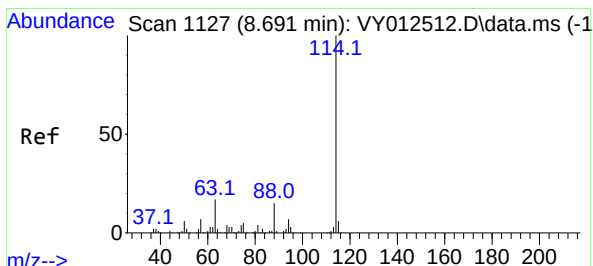
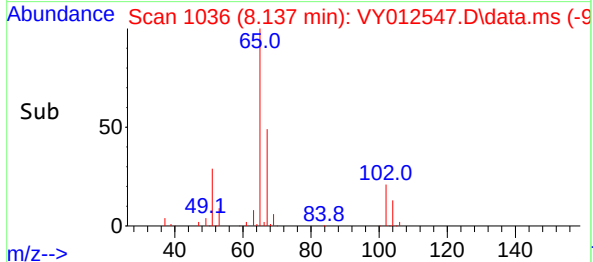
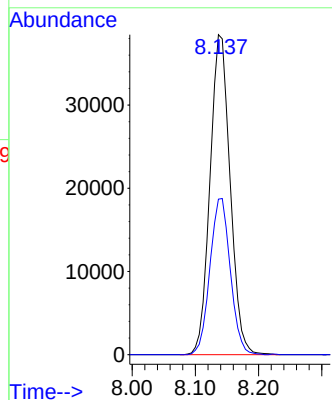
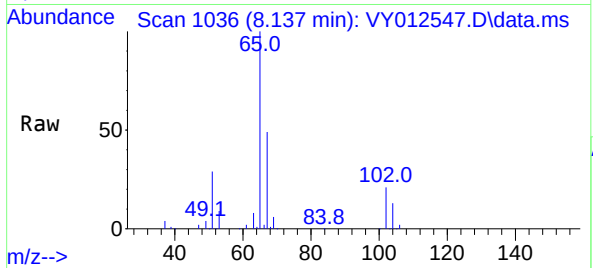
TOT-VOC-GRAB-24

Tgt Ion: 65 Resp: 85094

Ion Ratio Lower Upper

65 100

67 49.4 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012547.D

Acq: 08 Feb 2023 16:59

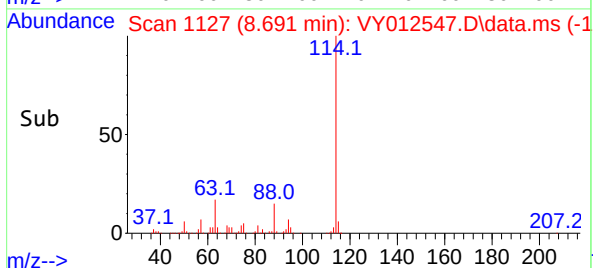
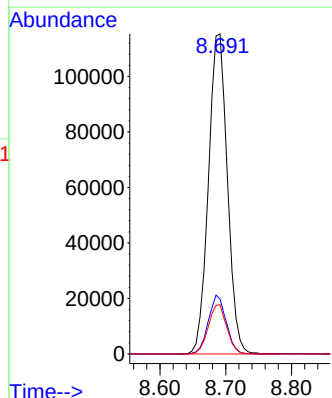
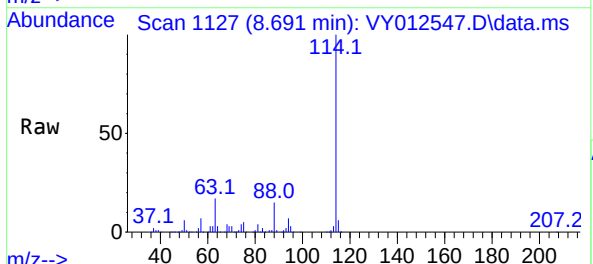
Tgt Ion: 114 Resp: 231294

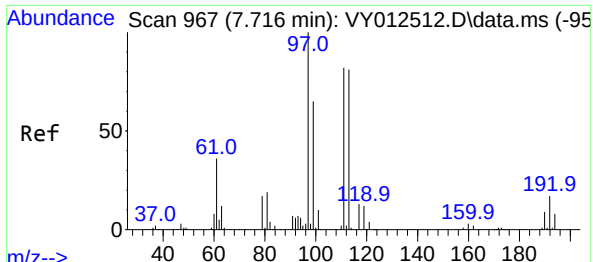
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 15.4 0.0 29.8



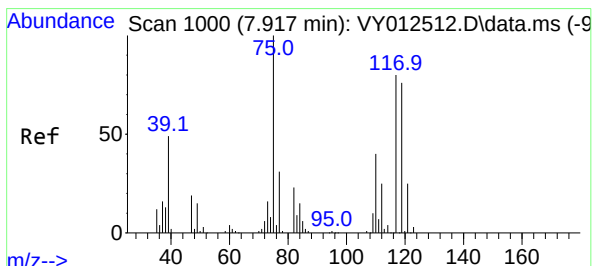
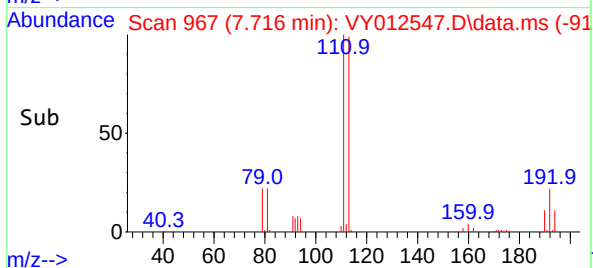
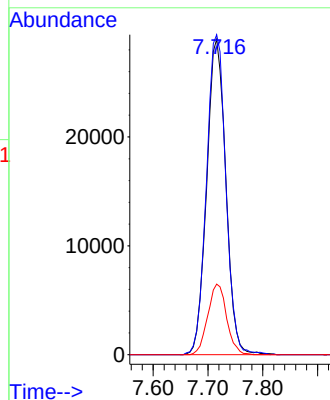
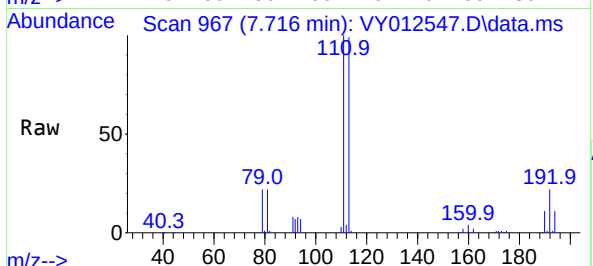


#35
Dibromofluoromethane
Concen: 41.612 ug/l
RT: 7.716 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

Tgt Ion:113 Resp: 70092

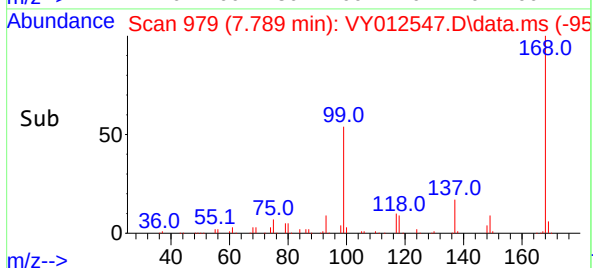
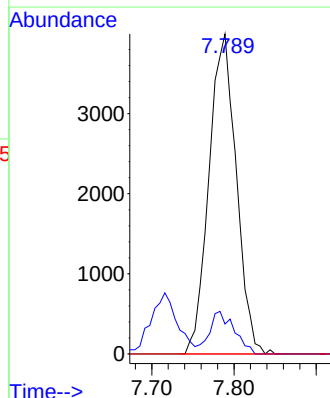
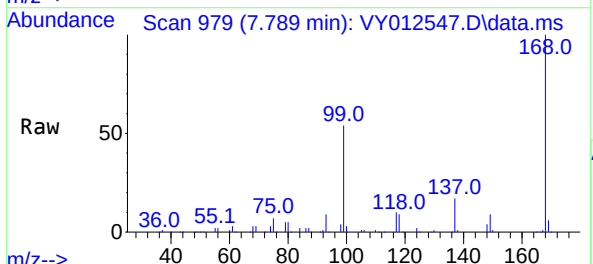
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	22.1	17.5	26.3

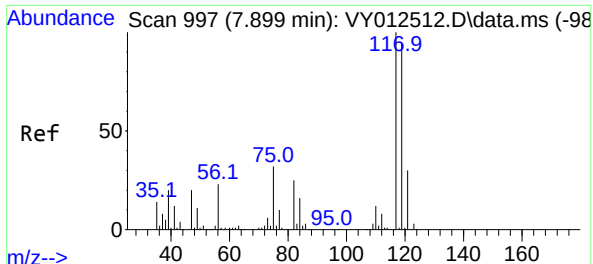


#36
1,1-Dichloropropene
Concen: 4.049 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 75 Resp: 9231

Ion	Ratio	Lower	Upper
75	100		
110	12.1	19.5	58.5#
77	0.0	24.9	37.3#

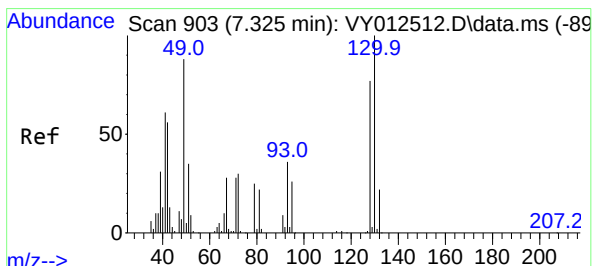
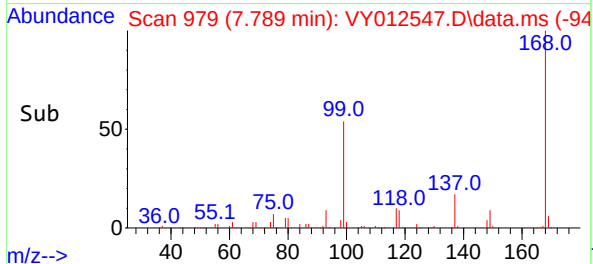
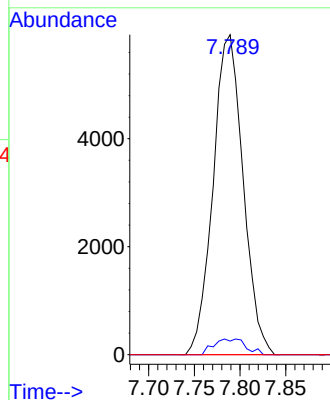
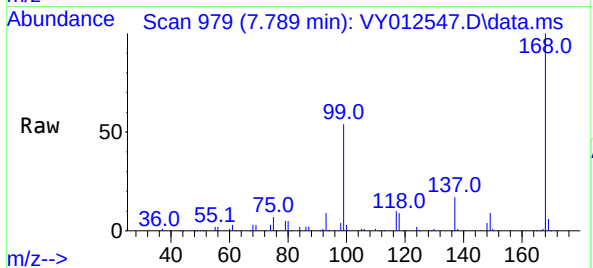




#38
Carbon Tetrachloride
Concen: 4.426 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

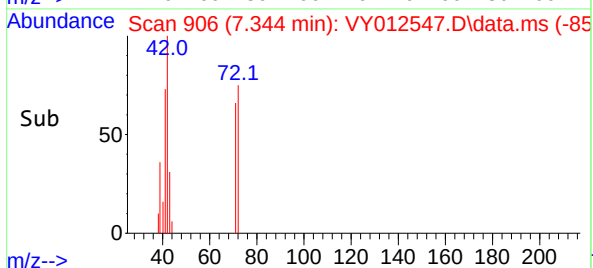
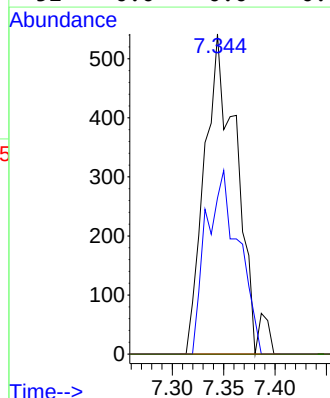
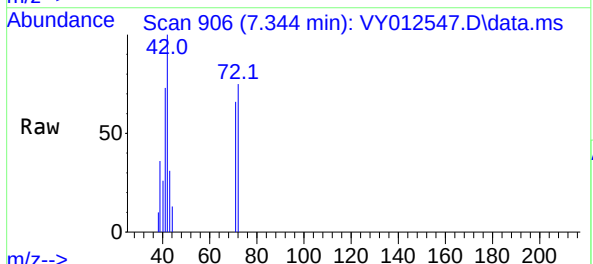
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

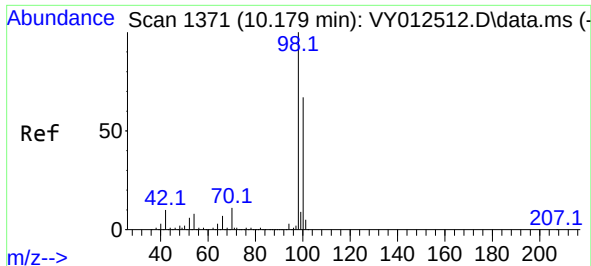
Tgt Ion:117 Resp: 13544
Ion Ratio Lower Upper
117 100
119 4.3 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.119 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.019 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 41 Resp: 1194
Ion Ratio Lower Upper
41 100
39 57.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

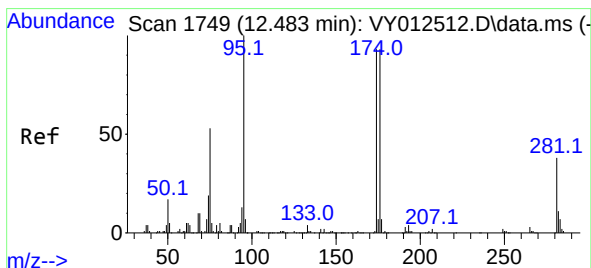
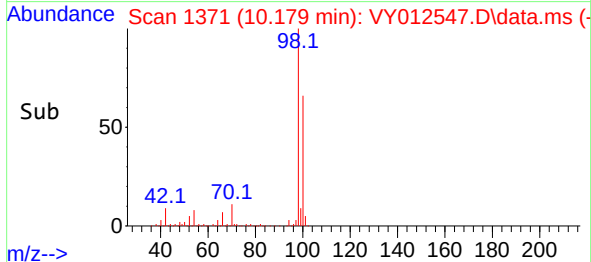
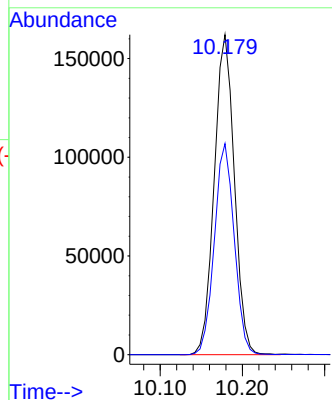
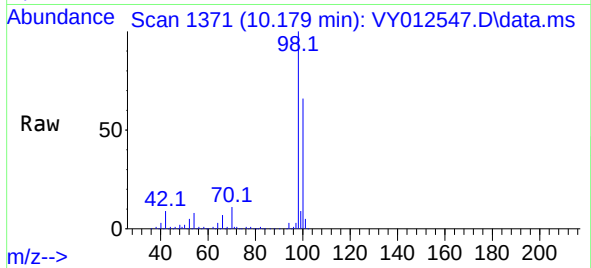




#50
Toluene-d8
Concen: 39.336 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

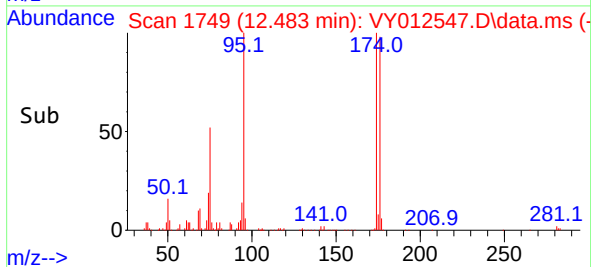
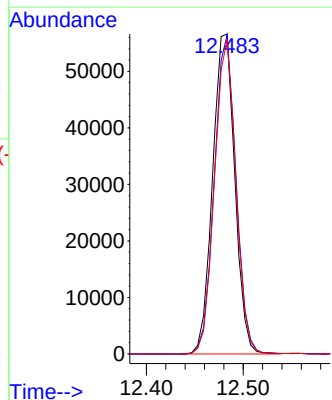
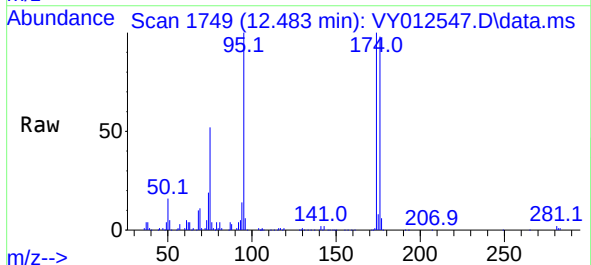
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

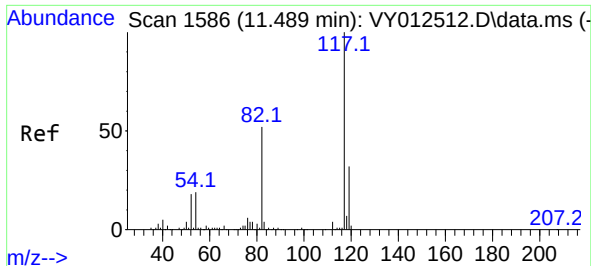
Tgt Ion: 98 Resp: 275786
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 36.841 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 95 Resp: 90095
Ion Ratio Lower Upper
95 100
174 96.9 0.0 188.0
176 94.5 0.0 183.6

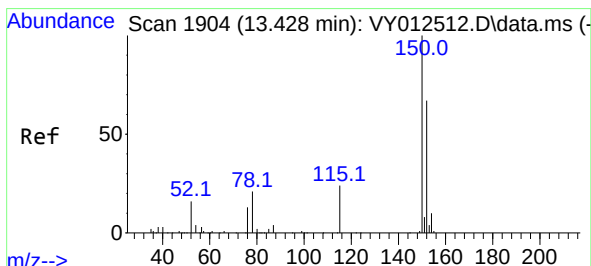
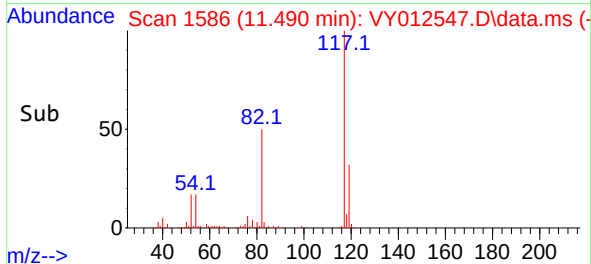
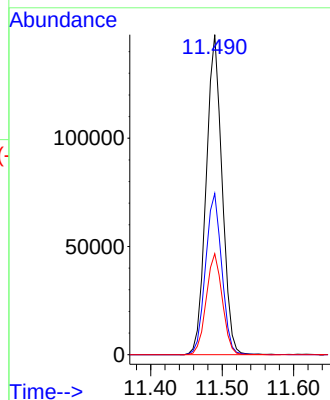
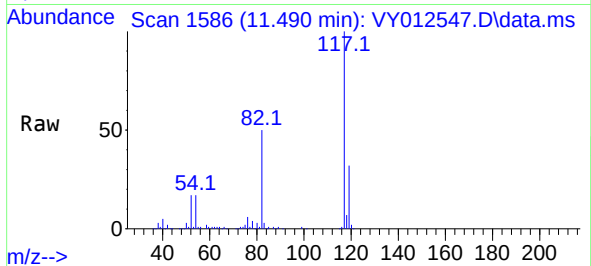




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

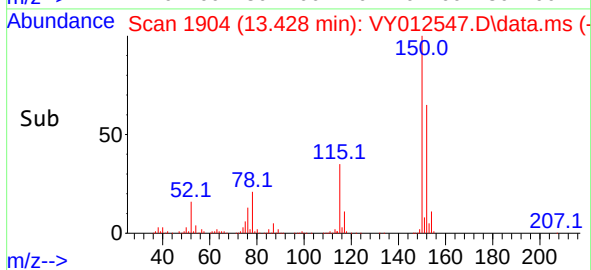
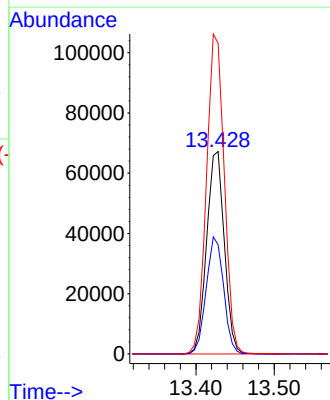
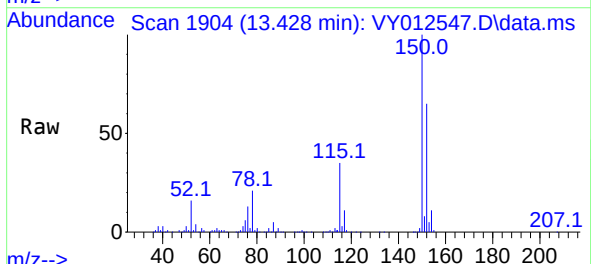
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

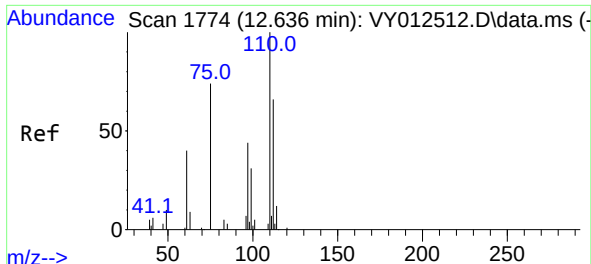
Tgt Ion:117 Resp: 228758
Ion Ratio Lower Upper
117 100
82 50.4 41.7 62.5
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion:152 Resp: 105232
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.3
150 158.4 0.0 351.0

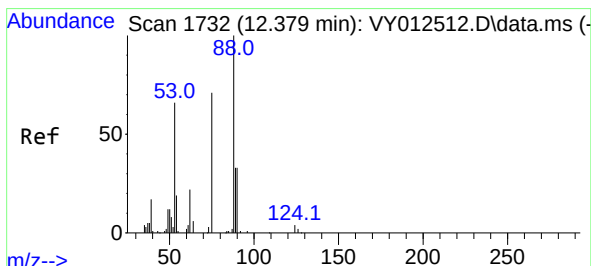
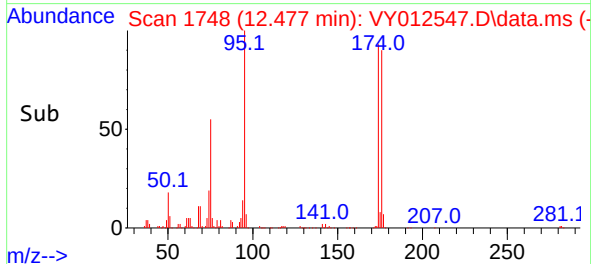
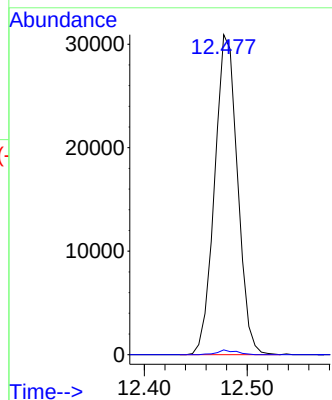
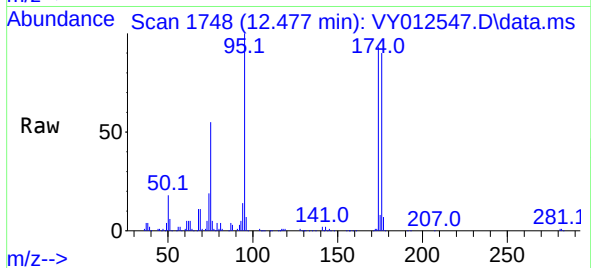




#76
1,2,3-Trichloropropane
Concen: 40.648 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-24

Tgt Ion: 75 Resp: 47789
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.663 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012547.D
Acq: 08 Feb 2023 16:59

Tgt Ion: 75 Resp: 47789
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

