

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012543.D
 Acq On : 08 Feb 2023 15:25
 Operator : KP/MD
 Sample : 01462-07
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 09 07:14:43 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)

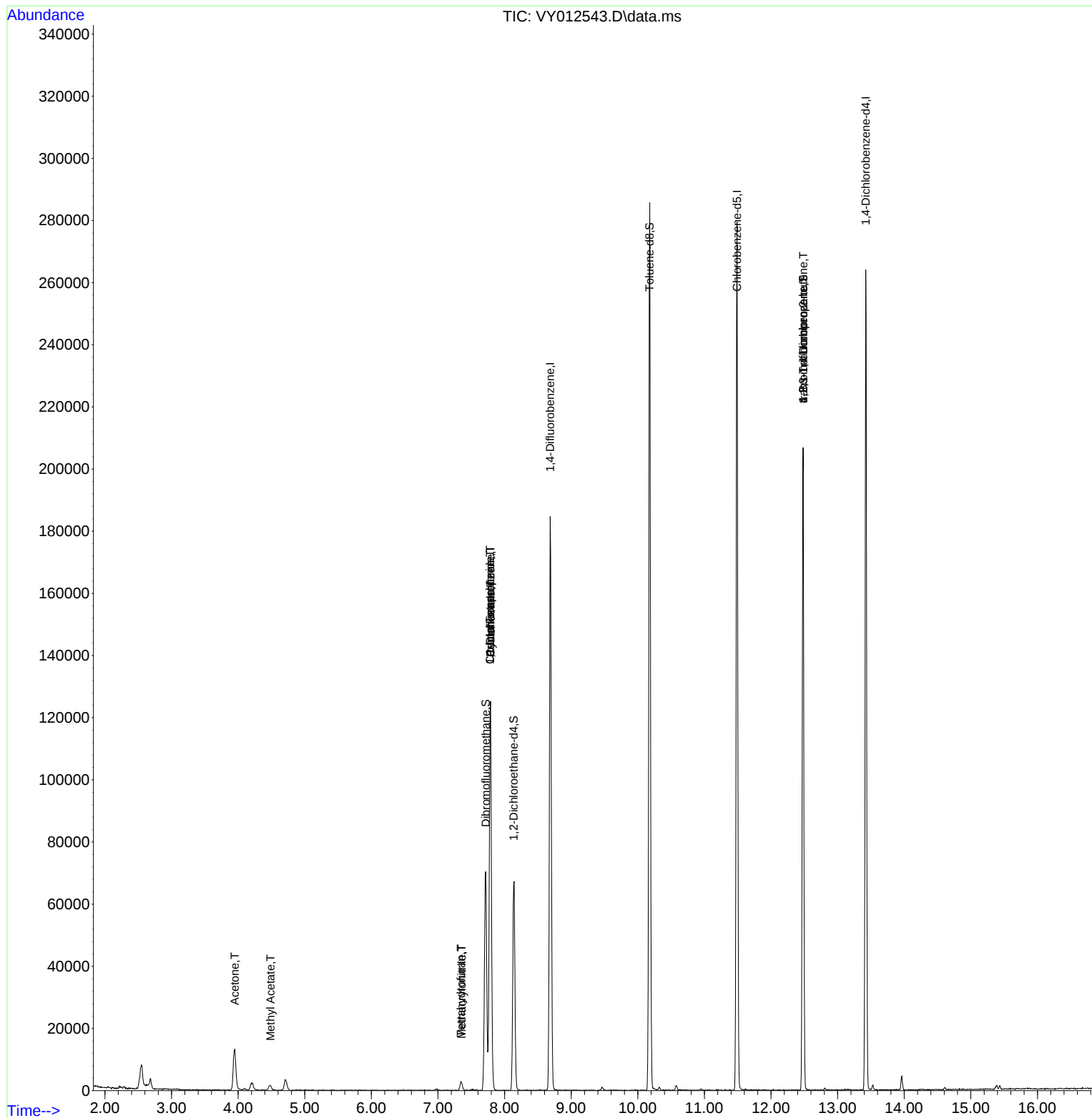
Internal Standards						
1) Pentafluorobenzene	7.789	168	100643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	156254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57688	45.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.160%		
35) Dibromofluoromethane	7.716	113	48328	40.350	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.700%		
50) Toluene-d8	10.179	98	192629	38.639	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.280%		
62) 4-Bromofluorobenzene	12.483	95	62004	35.657	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	71.320%		
Target Compounds						
5) Bromomethane	2.637	94	365	Below Cal		Qvalue 84
11) Tert butyl alcohol	4.924	59	58	Below Cal	#	75
16) Acetone	3.948	43	23560	76.487	ug/l	97
18) Methyl Acetate	4.485	43	3036	4.101	ug/l	96
20) Methylene Chloride	4.710	84	2976	Below Cal	#	91
29) Tetrahydrofuran	7.344	42	1861	10.072	ug/l	89
31) Cyclohexane	7.789	56	1626	1.099	ug/l	# 30
36) 1,1-Dichloropropene	7.783	75	6400	3.948	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	10102	4.642	ug/l	# 16
41) Methacrylonitrile	7.356	41	1155	2.882	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	31962	39.760	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	31962	89.661	ug/l	# 12

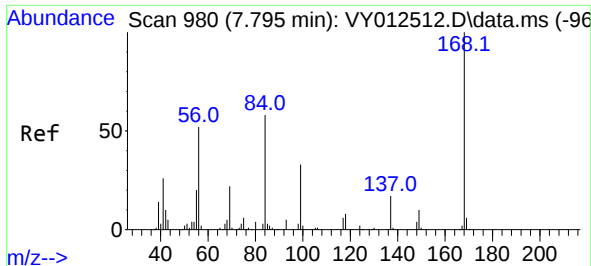
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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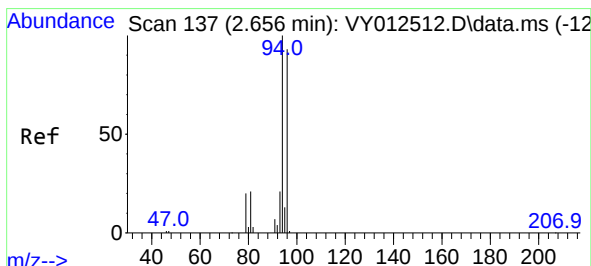
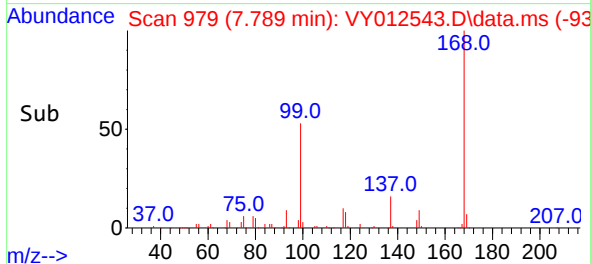
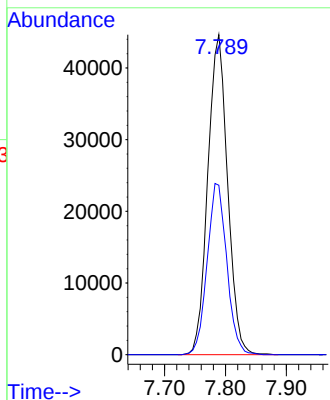
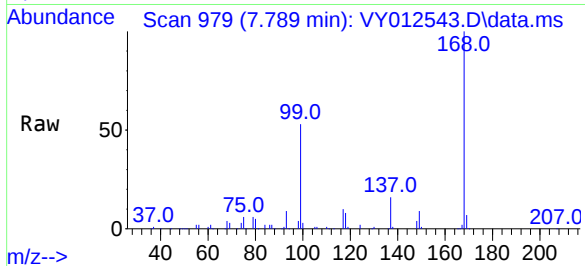




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

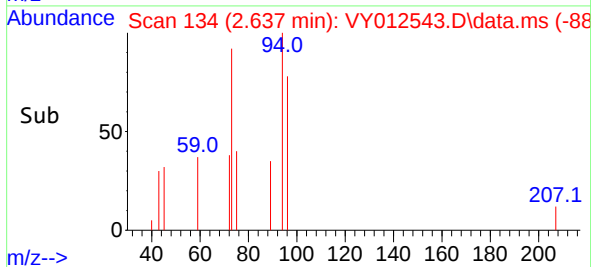
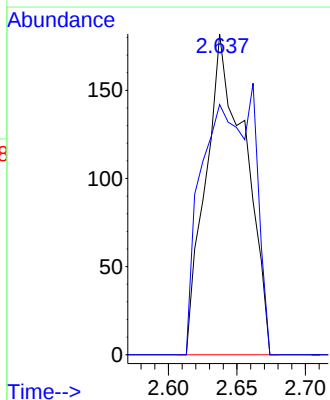
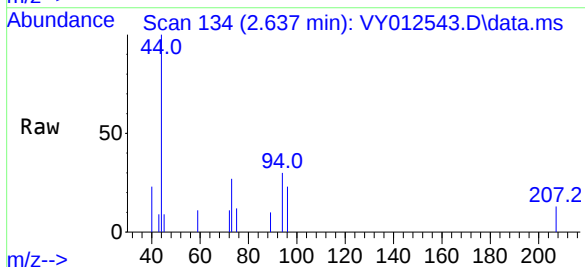
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

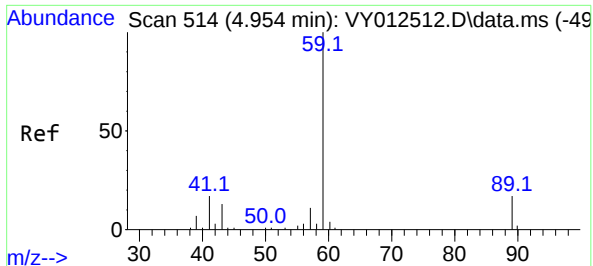
Tgt Ion:168 Resp: 100643
Ion Ratio Lower Upper
168 100
99 53.0 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 134
Delta R.T. -0.019 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 78.0 74.7 112.1

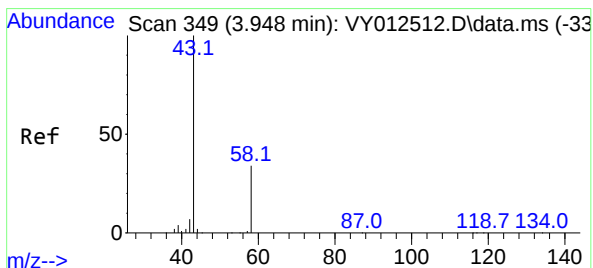
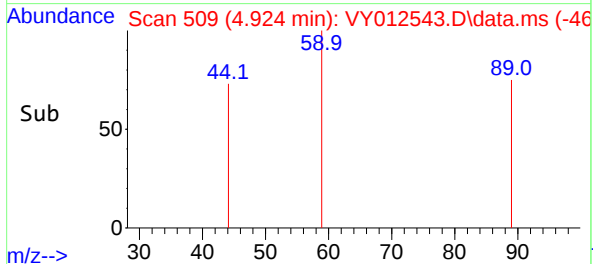
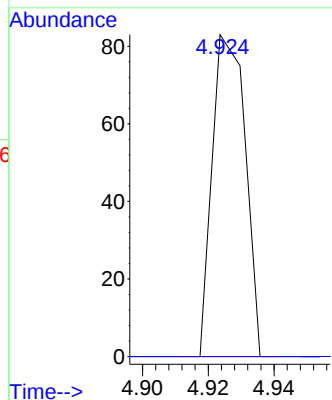
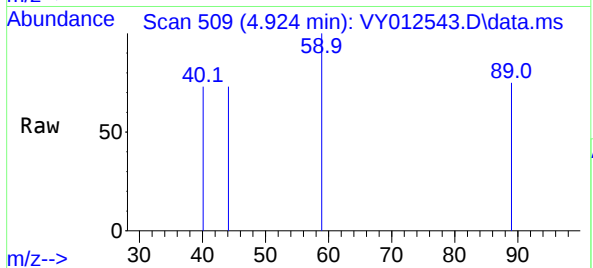




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

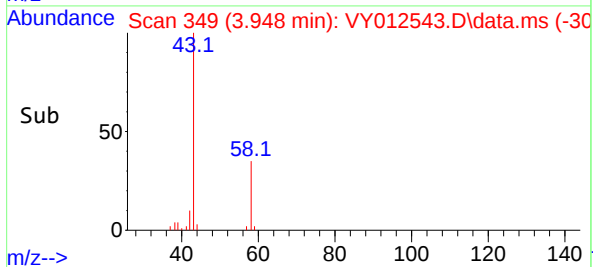
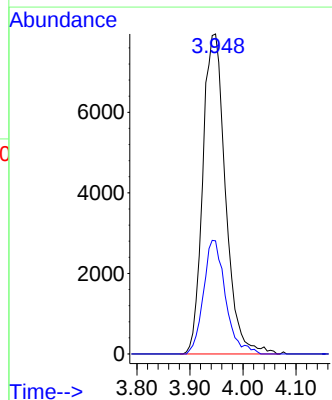
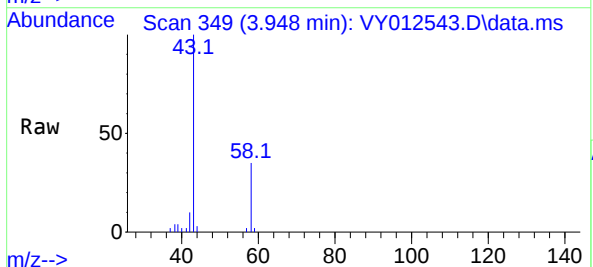
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

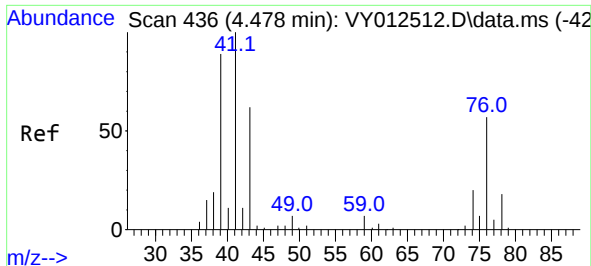
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 76.487 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 43 Resp: 23560
Ion Ratio Lower Upper
43 100
58 35.3 27.1 40.7





#18

Methyl Acetate

Concen: 4.101 ug/l

RT: 4.485 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012543.D

Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

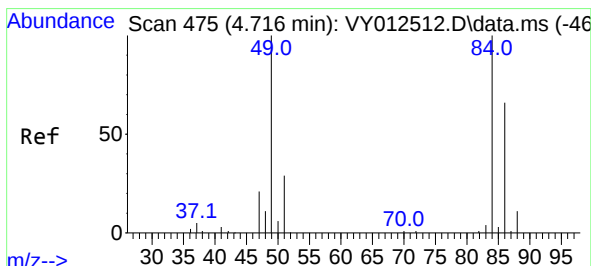
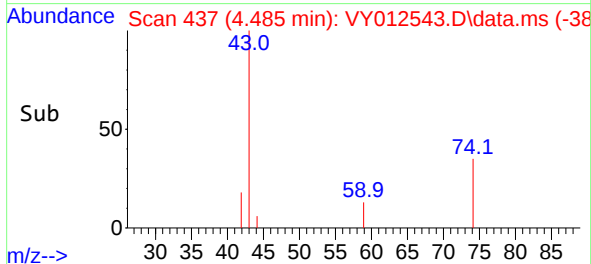
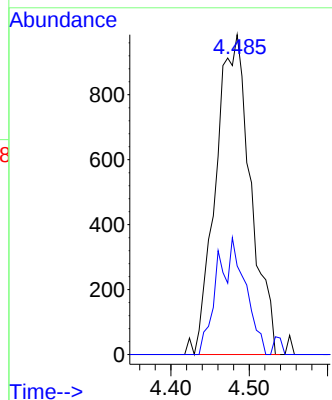
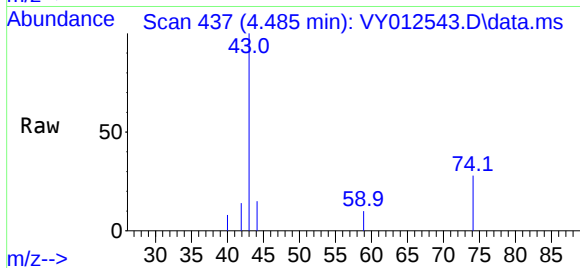
TOT-VOC-GRAB-8

Tgt Ion: 43 Resp: 3036

Ion Ratio Lower Upper

43 100

74 29.6 25.6 38.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012543.D

Acq: 08 Feb 2023 15:25

Tgt Ion: 84 Resp: 2976

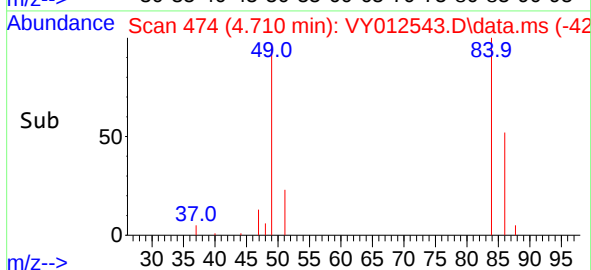
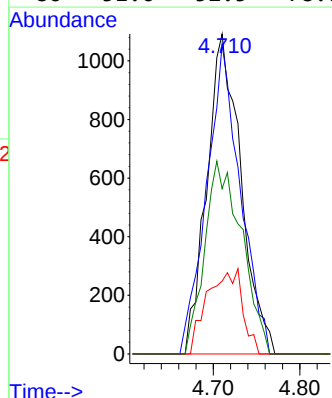
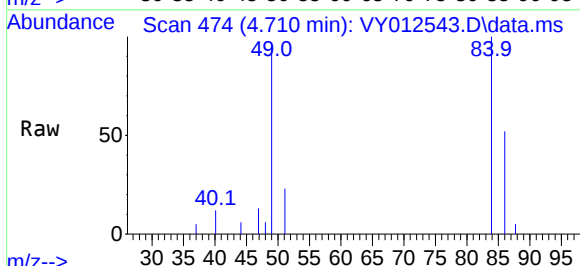
Ion Ratio Lower Upper

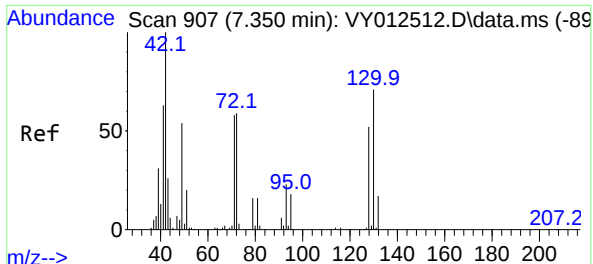
84 100

49 96.8 79.8 119.6

51 22.7 23.4 35.2#

86 51.6 52.5 78.7#

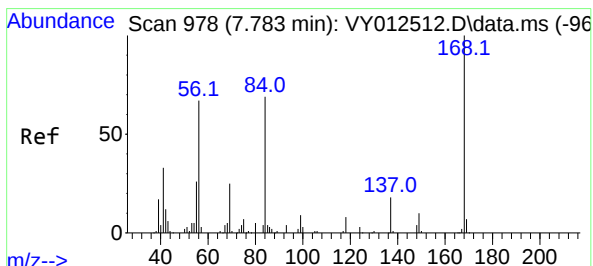
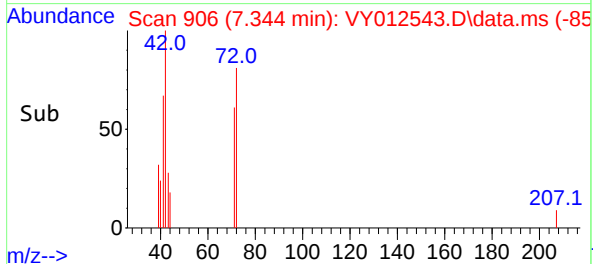
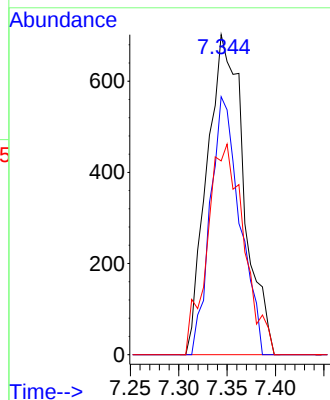
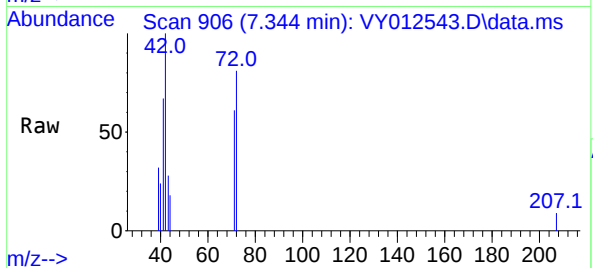




#29
Tetrahydrofuran
Concen: 10.072 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

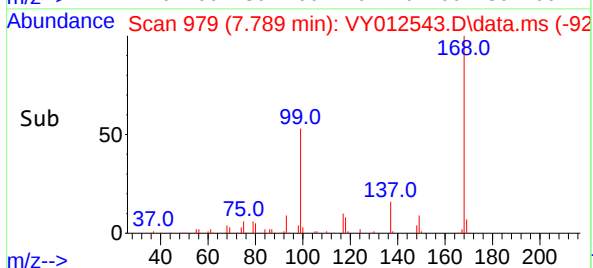
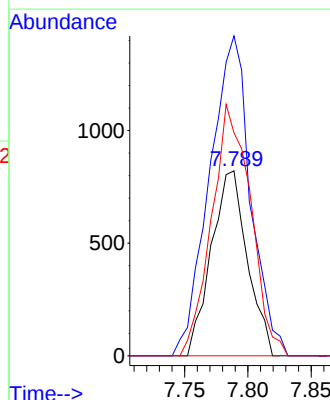
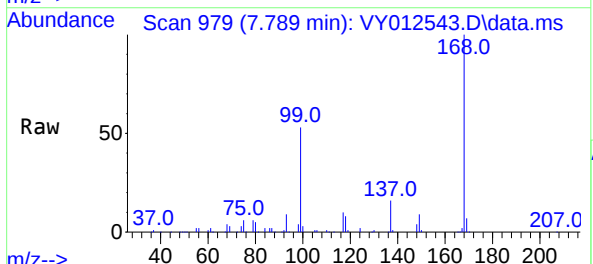
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

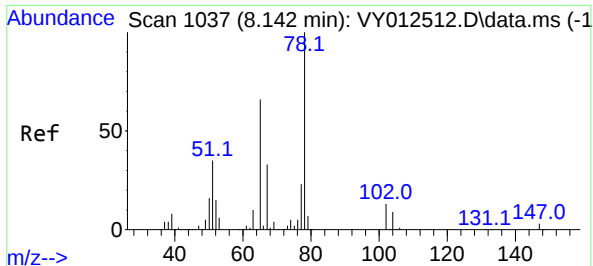
Tgt Ion:	42	Resp:	1861
Ion	Ratio	Lower	Upper
42	100		
72	64.8	47.0	70.6
71	65.7	44.6	66.8



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion:	56	Resp:	1626
Ion	Ratio	Lower	Upper
56	100		
69	164.2	29.5	44.3#
84	120.6	81.9	122.9

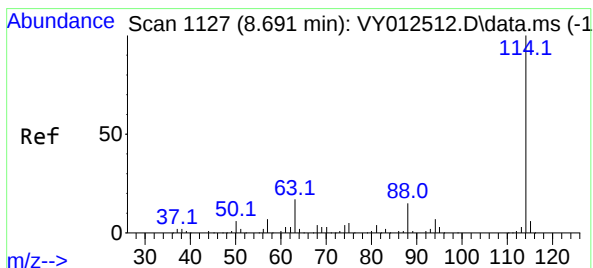
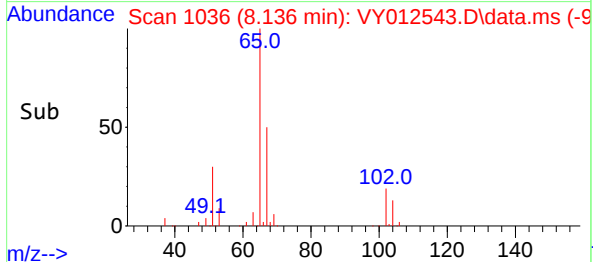
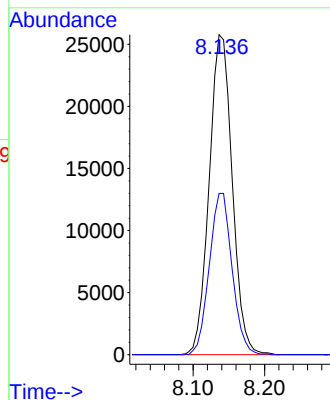
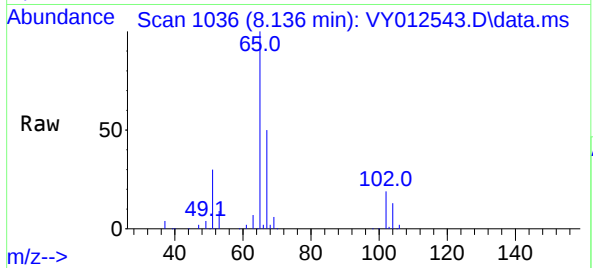




#33
1,2-Dichloroethane-d4
Concen: 45.076 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

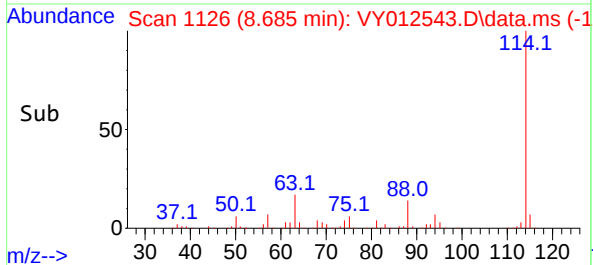
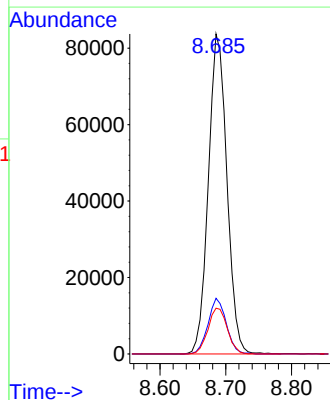
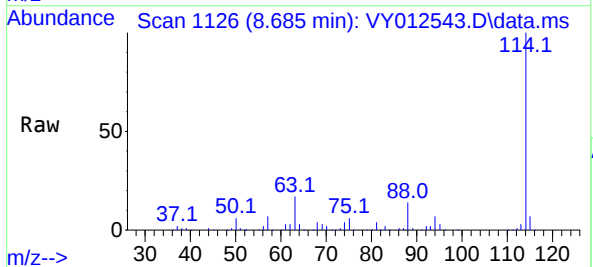
Instrument :
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TOT-VOC-GRAB-8

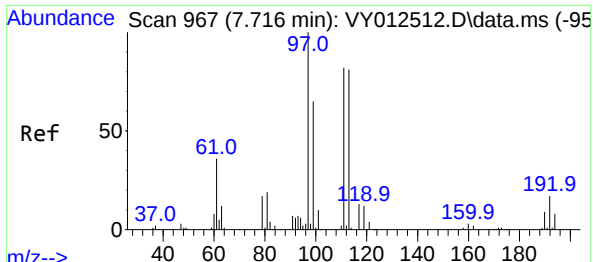
Tgt Ion: 65 Resp: 57688
Ion Ratio Lower Upper
65 100
67 49.9 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

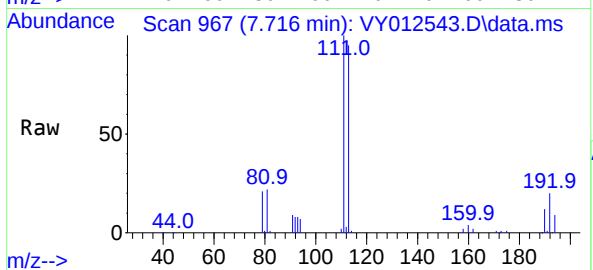
Tgt Ion: 114 Resp: 164465
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.6
88 14.3 0.0 29.8



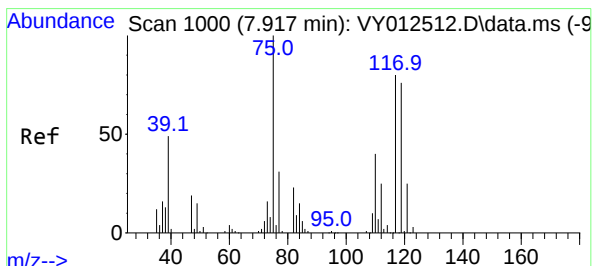
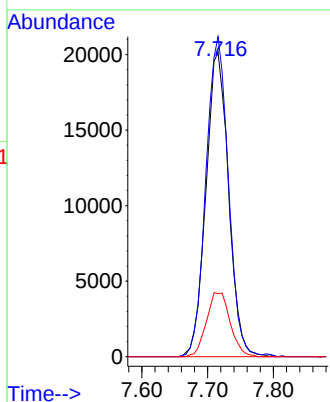
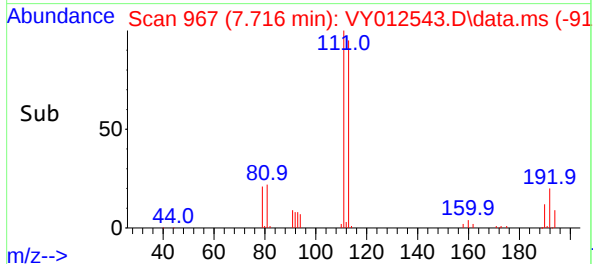


#35
Dibromofluoromethane
Concen: 40.350 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

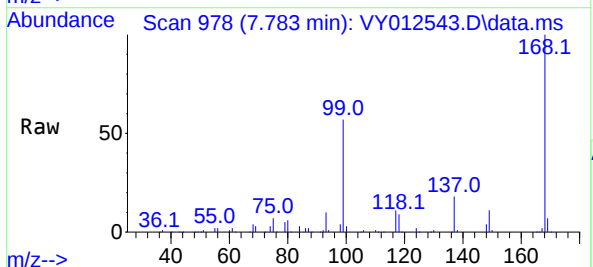
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ClientSampleId :
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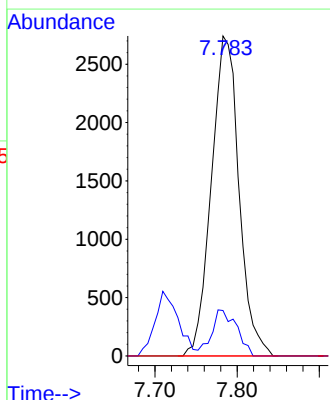
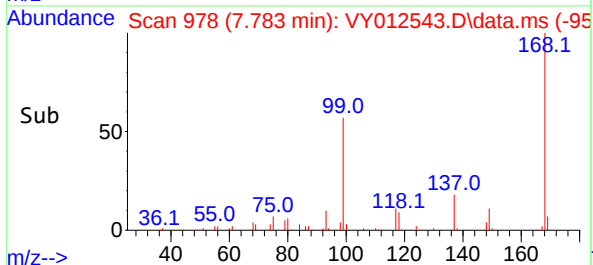
Tgt Ion:113 Resp: 48328
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 22.0 17.5 26.3

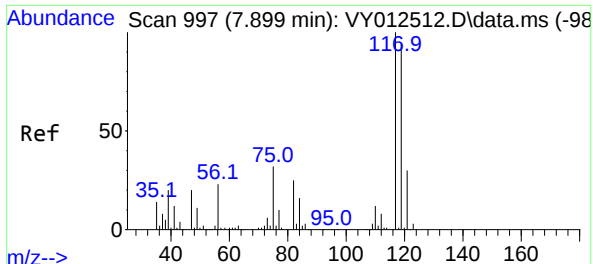


#36
1,1-Dichloropropene
Concen: 3.948 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25



Tgt Ion: 75 Resp: 6400
Ion Ratio Lower Upper
75 100
110 12.9 19.5 58.5#
77 0.0 24.9 37.3#

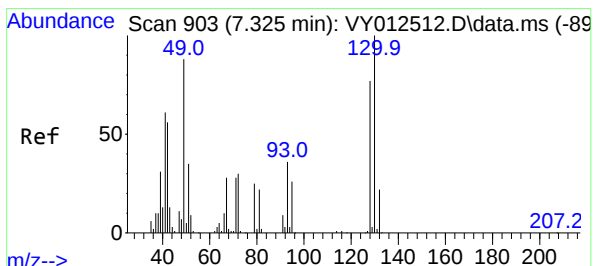
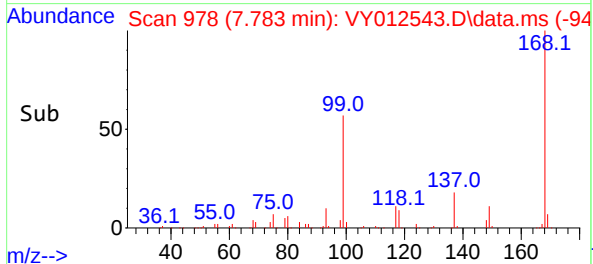
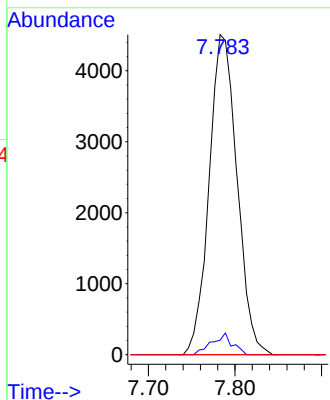
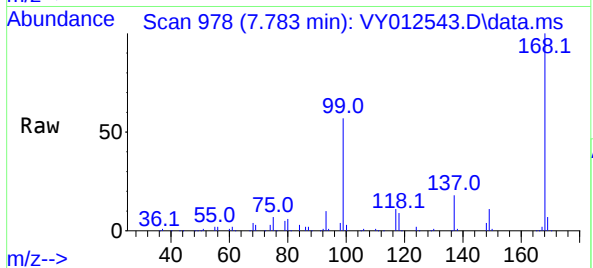




#38
Carbon Tetrachloride
Concen: 4.642 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

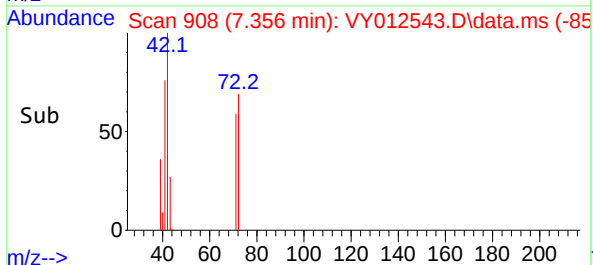
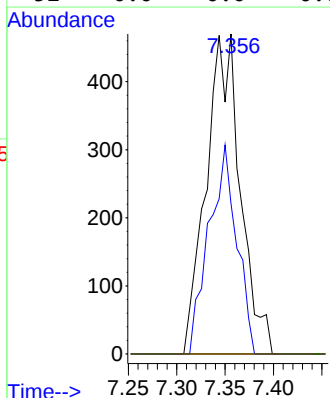
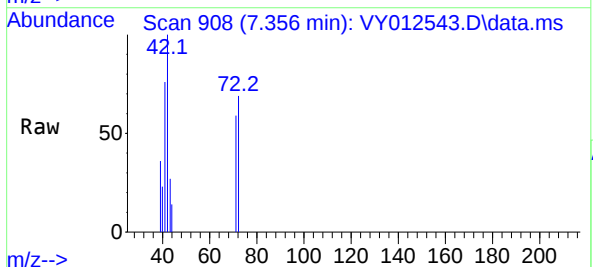
Instrument :
MSVOA_Y
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TOT-VOC-GRAB-8

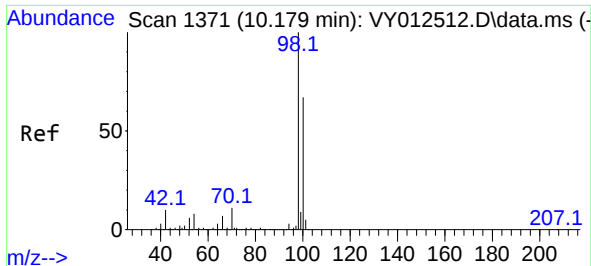
Tgt Ion:117 Resp: 10102
Ion Ratio Lower Upper
117 100
119 4.6 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.882 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.031 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 41 Resp: 1155
Ion Ratio Lower Upper
41 100
39 53.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

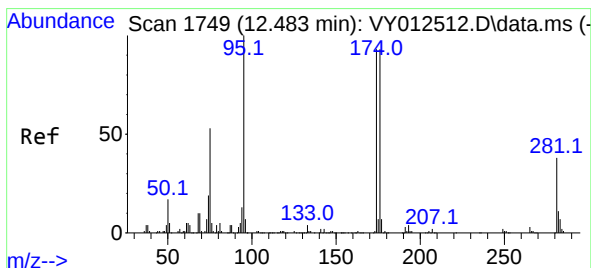
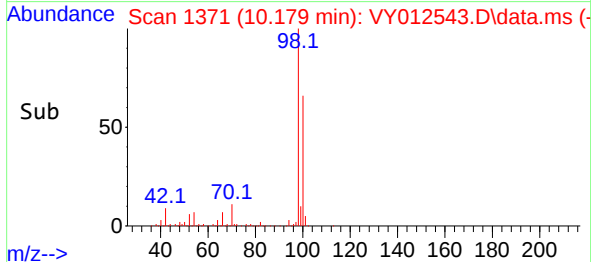
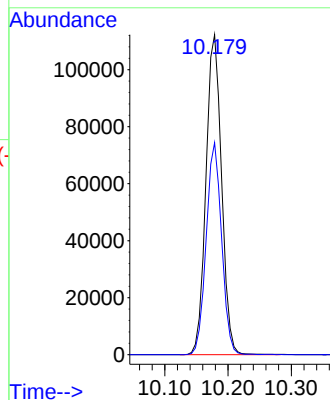
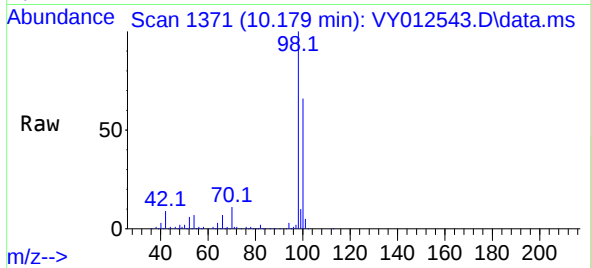




#50
Toluene-d8
Concen: 38.639 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

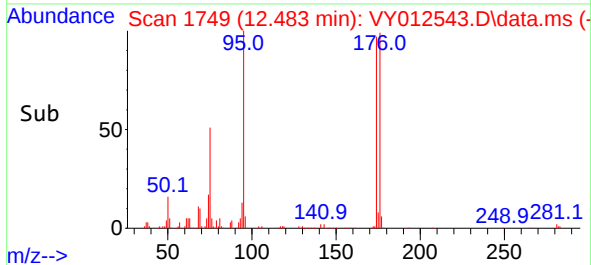
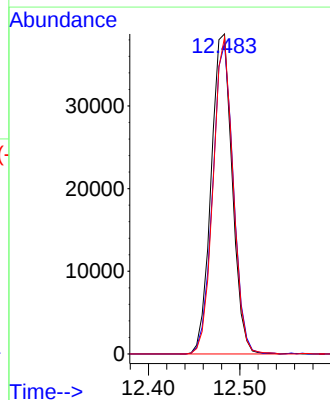
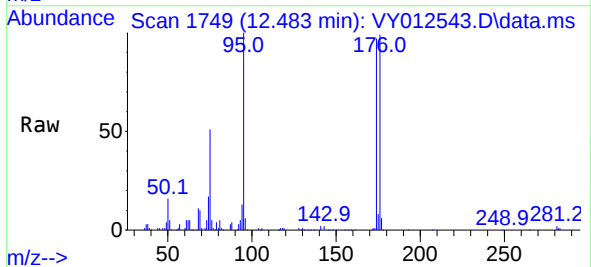
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

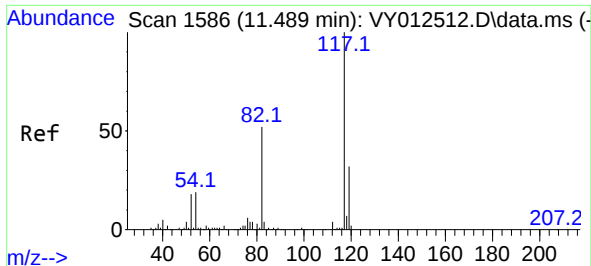
Tgt Ion: 98 Resp: 192629
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 35.657 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 95 Resp: 62004
Ion Ratio Lower Upper
95 100
174 94.8 0.0 188.0
176 93.5 0.0 183.6

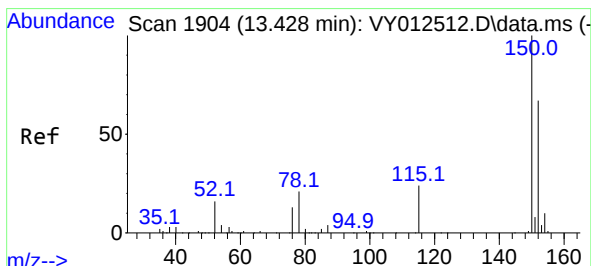
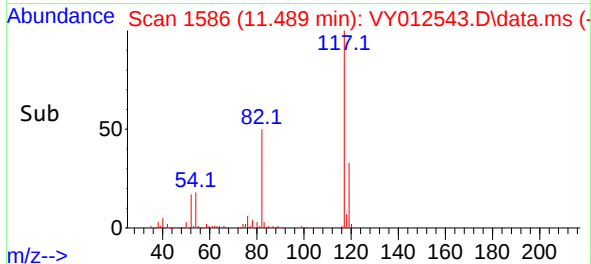
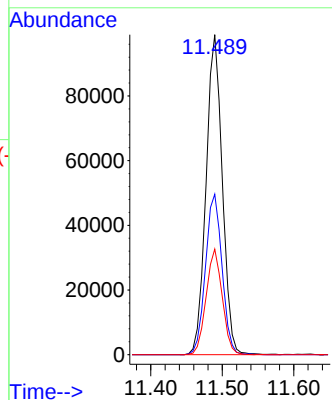
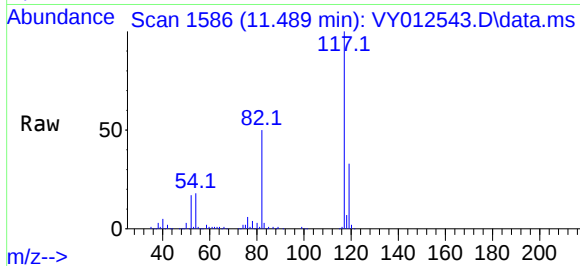




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

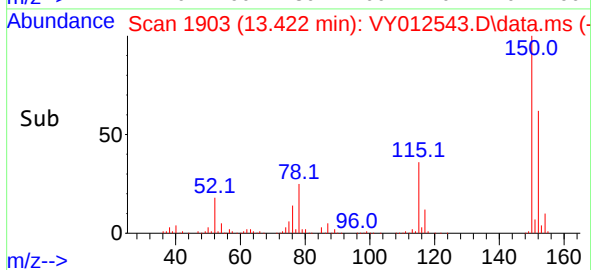
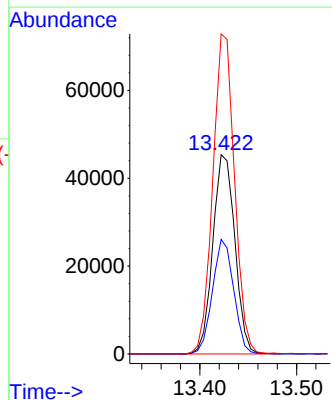
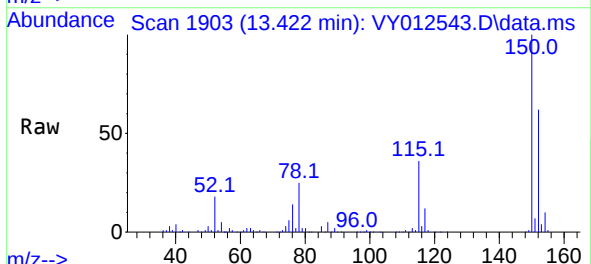
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

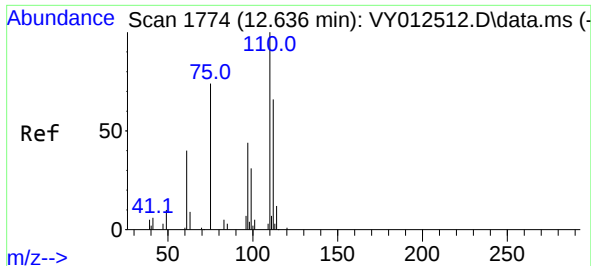
Tgt Ion:117 Resp: 156254
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion:152 Resp: 71952
Ion Ratio Lower Upper
152 100
115 55.4 28.1 84.3
150 158.1 0.0 351.0

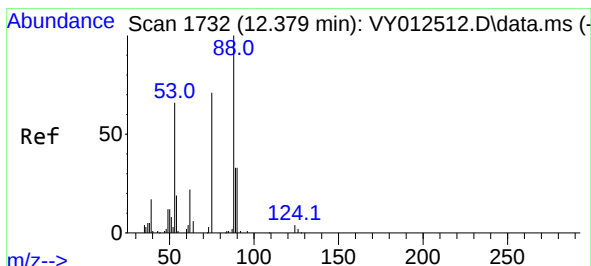
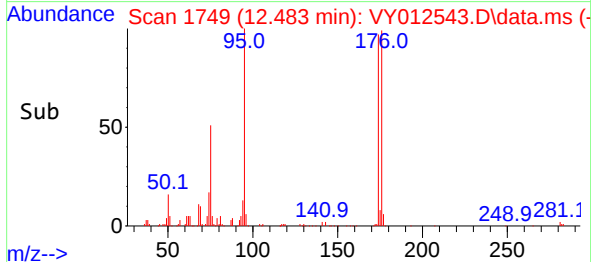
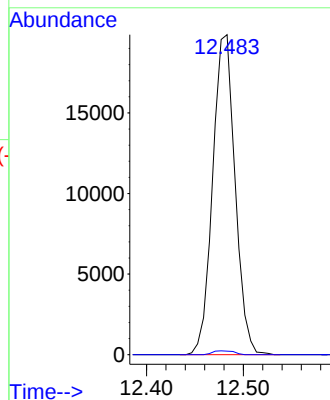
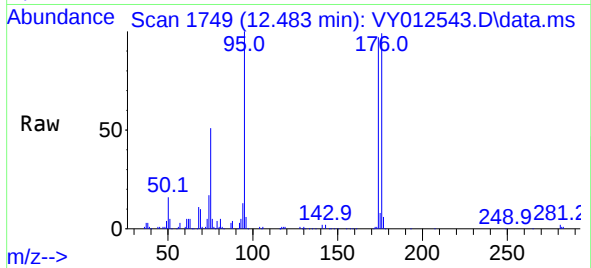




#76
1,2,3-Trichloropropane
Concen: 39.760 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

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

Tgt Ion: 75 Resp: 31962
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.661 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 75 Resp: 31962
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.1 39.9 59.9#

