

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012544.D
 Acq On : 08 Feb 2023 15:49
 Operator : KP/MD
 Sample : 01462-13
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-12

Quant Time: Feb 09 07:14:51 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)

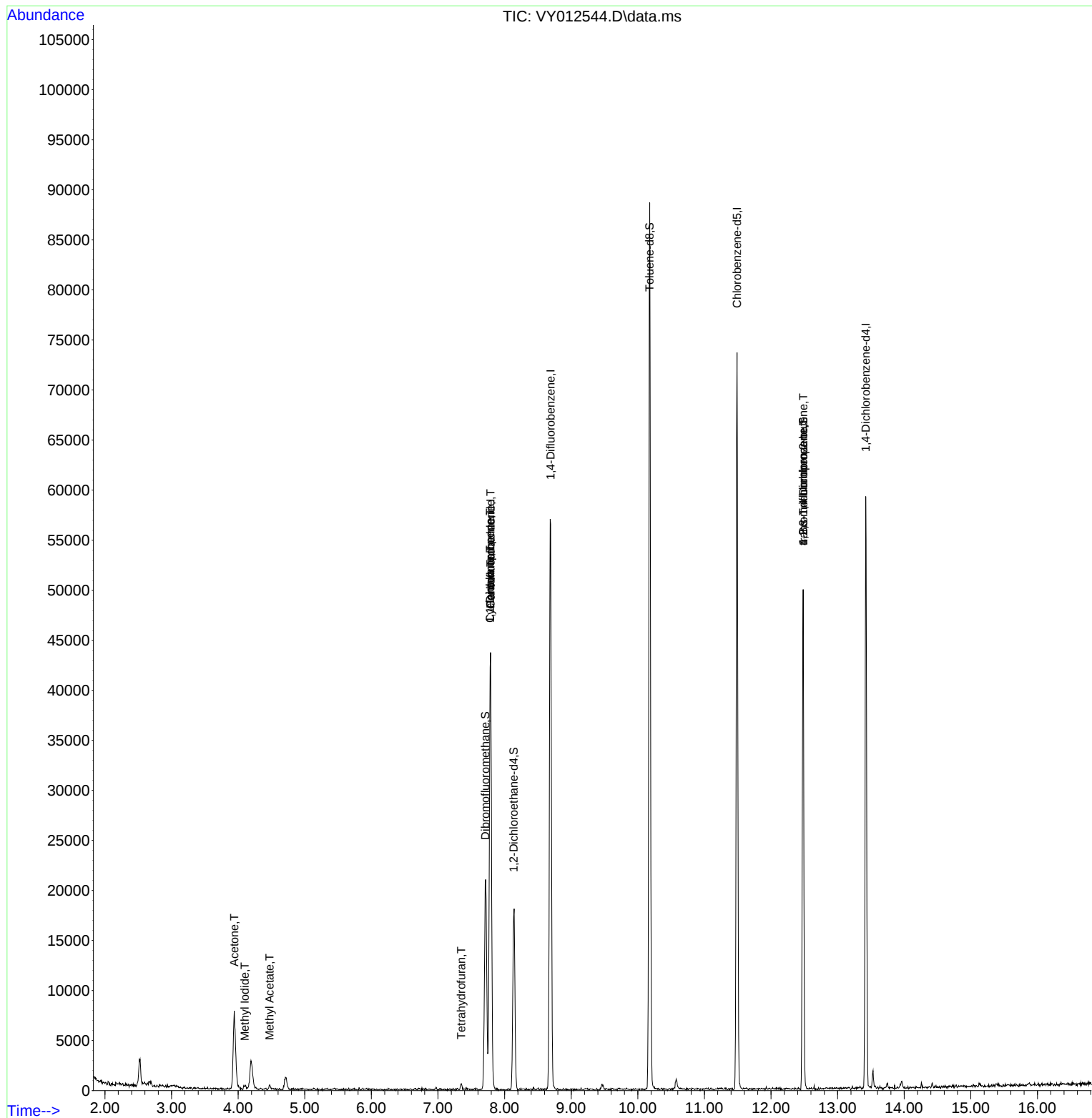
Internal Standards						
1) Pentafluorobenzene	7.789	168	37010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	53422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	43493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	16750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	15410	32.744	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	65.480%		
35) Dibromofluoromethane	7.710	113	14734	37.872	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.740%		
50) Toluene-d8	10.179	98	61021	37.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	75.360%		
62) 4-Bromofluorobenzene	12.483	95	14853	26.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	52.600%		
Target Compounds			Qvalue			
5) Bromomethane	2.656	94	334	Below Cal	#	64
10) Methyl Iodide	4.101	142	671	1.388	ug/l #	78
16) Acetone	3.942	43	12874	113.655	ug/l	96
18) Methyl Acetate	4.472	43	580	2.130	ug/l #	78
20) Methylene Chloride	4.716	84	1100	Below Cal	#	82
29) Tetrahydrofuran	7.350	42	295	4.342	ug/l #	77
31) Cyclohexane	7.783	56	669	1.229	ug/l #	46
36) 1,1-Dichloropropene	7.783	75	2404	4.566	ug/l #	44
38) Carbon Tetrachloride	7.789	117	3445	4.874	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	7561	40.404	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7561	91.112	ug/l #	12

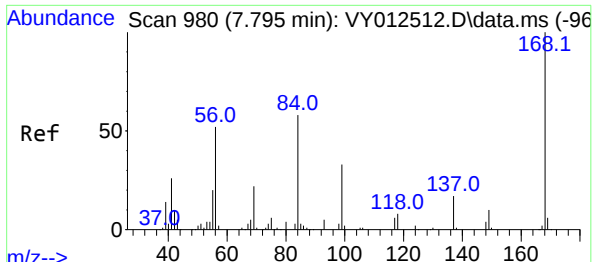
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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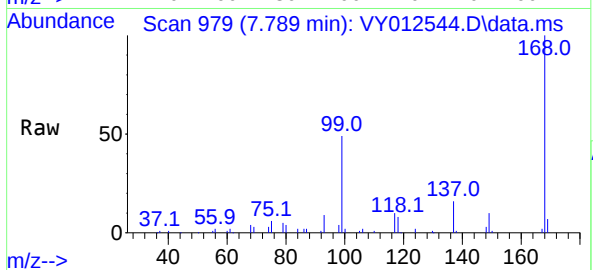
Quant Time: Feb 09 07:14:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
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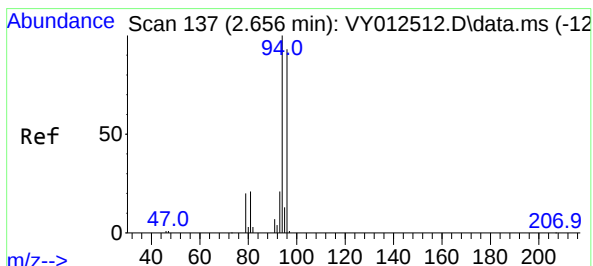
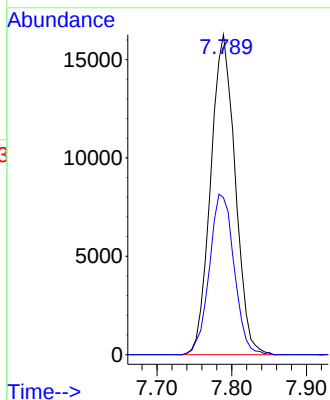
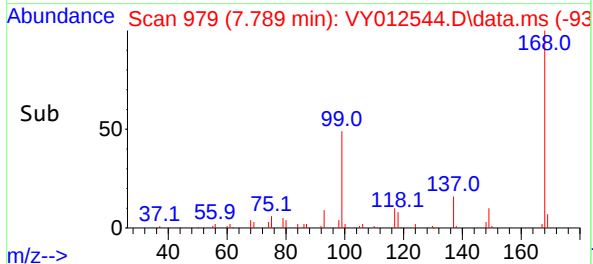


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

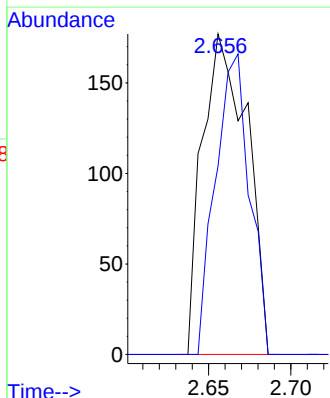
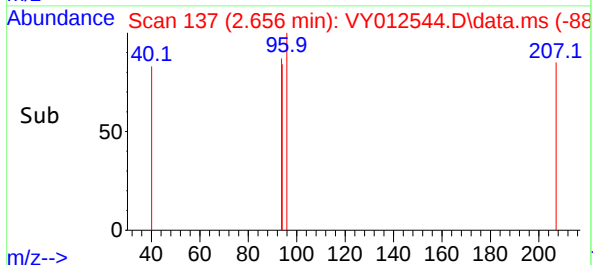
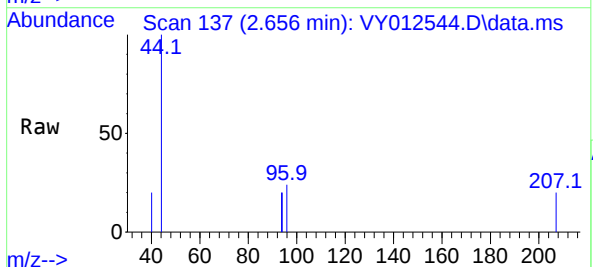


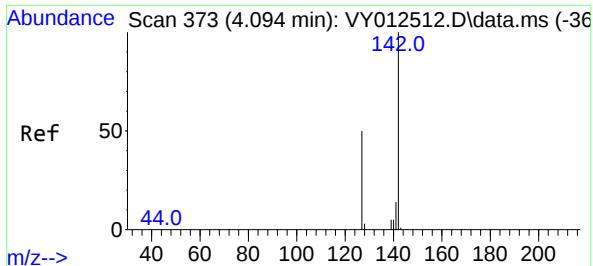
Tgt Ion:168 Resp: 37010
Ion Ratio Lower Upper
168 100
99 49.0 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 58.8 74.7 112.1#

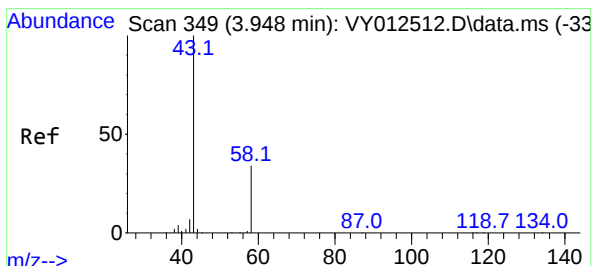
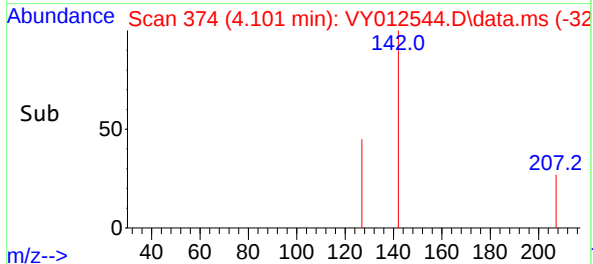
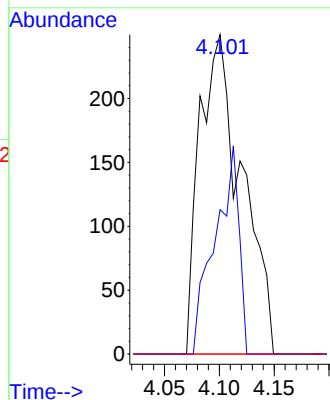
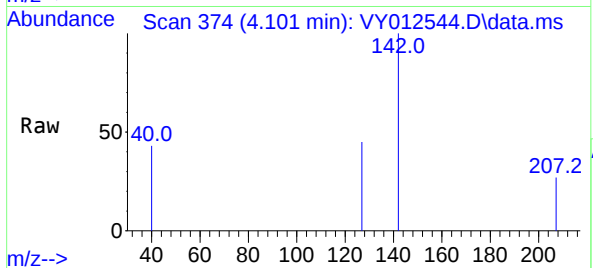




#10
Methyl Iodide
Concen: 1.388 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

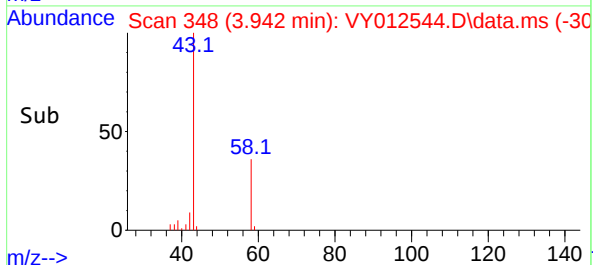
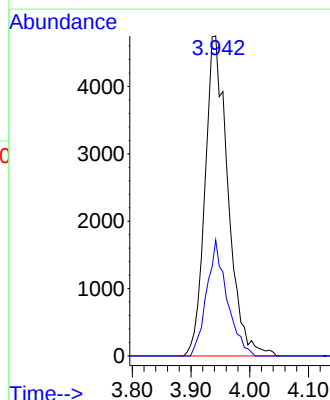
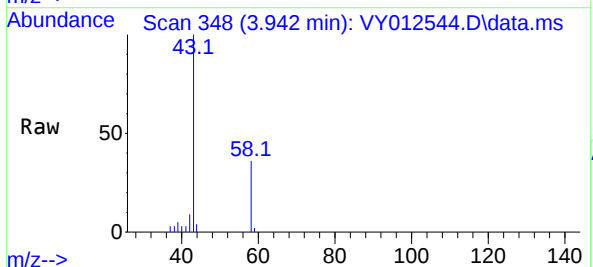
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

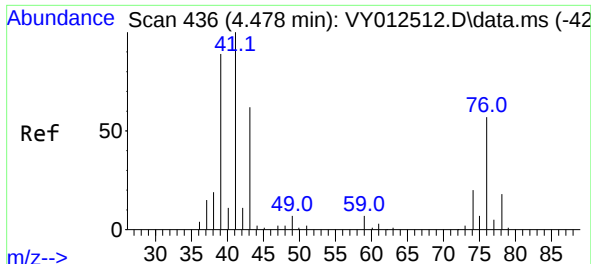
Tgt Ion:142 Resp: 671
Ion Ratio Lower Upper
142 100
127 37.1 39.8 59.6#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 113.655 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion: 43 Resp: 12874
Ion Ratio Lower Upper
43 100
58 36.3 27.1 40.7

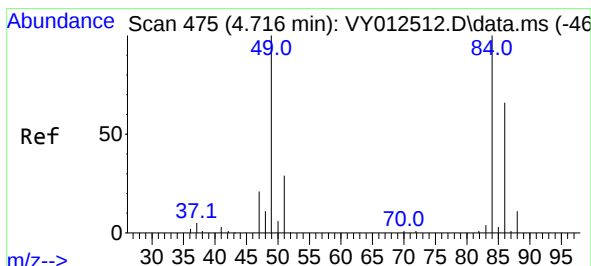
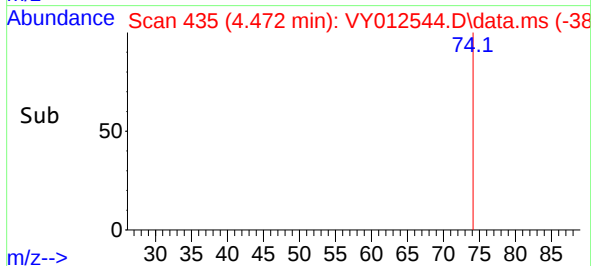
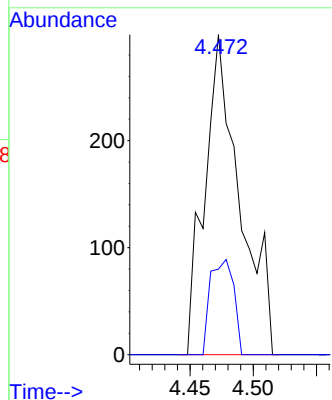
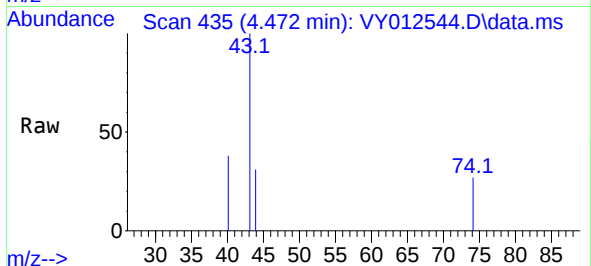




#18
Methyl Acetate
Concen: 2.130 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

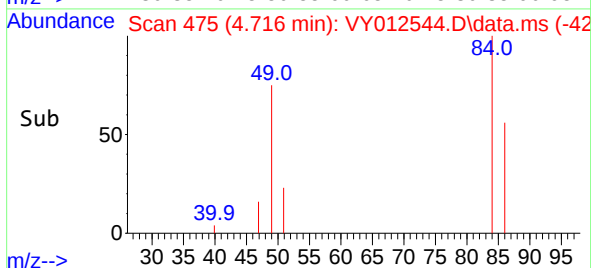
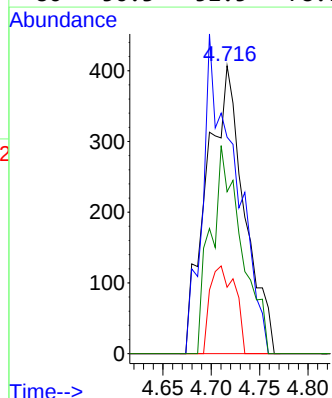
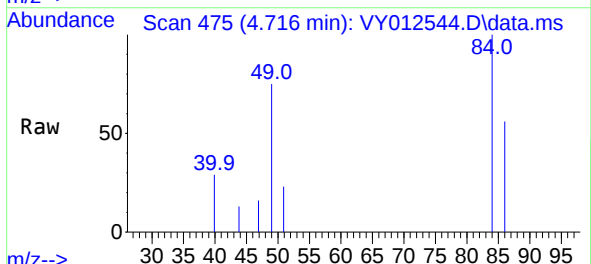
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

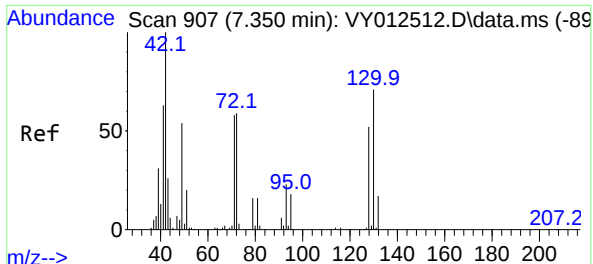
Tgt Ion: 43 Resp: 580
Ion Ratio Lower Upper
43 100
74 19.7 25.6 38.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion: 84 Resp: 1100
Ion Ratio Lower Upper
84 100
49 75.2 79.8 119.6#
51 23.1 23.4 35.2#
86 56.3 52.5 78.7





#29

Tetrahydrofuran

Concen: 4.342 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012544.D

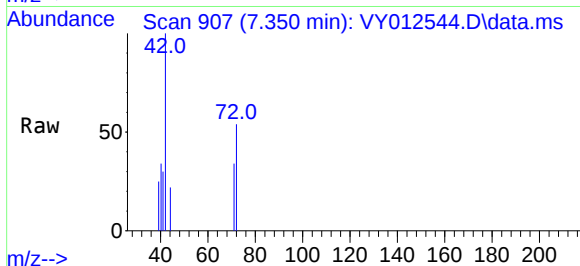
Acq: 08 Feb 2023 15:49

Instrument :

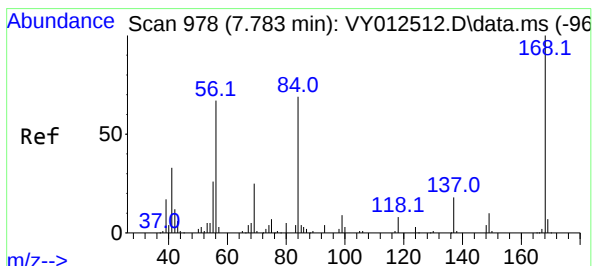
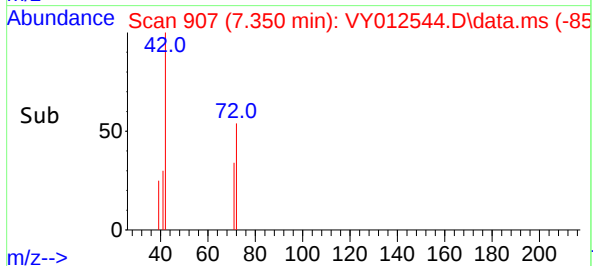
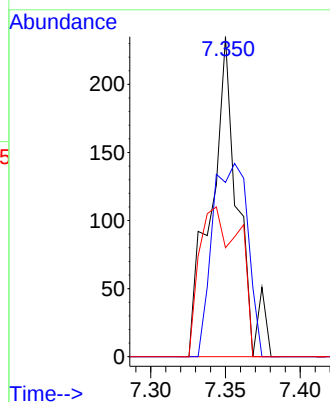
MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-12



Tgt Ion:	42	Resp:	295
Ion	Ratio	Lower	Upper
42	100		
72	79.0	47.0	70.6#
71	68.8	44.6	66.8#



#31

Cyclohexane

Concen: 1.229 ug/l

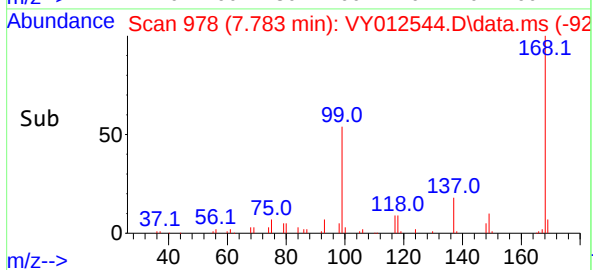
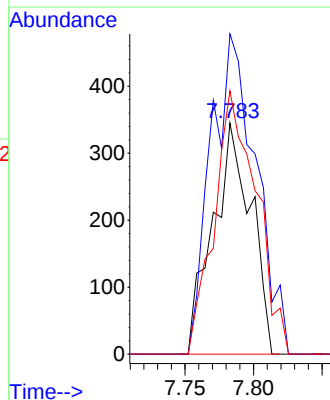
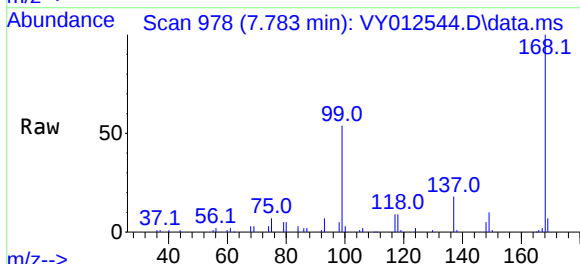
RT: 7.783 min Scan# 978

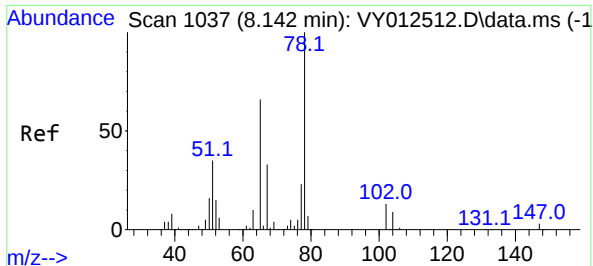
Delta R.T. 0.000 min

Lab File: VY012544.D

Acq: 08 Feb 2023 15:49

Tgt Ion:	56	Resp:	669
Ion	Ratio	Lower	Upper
56	100		
69	138.6	29.5	44.3#
84	113.9	81.9	122.9

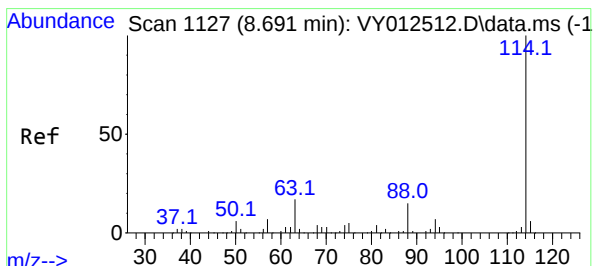
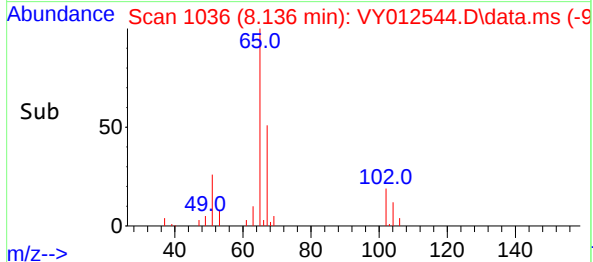
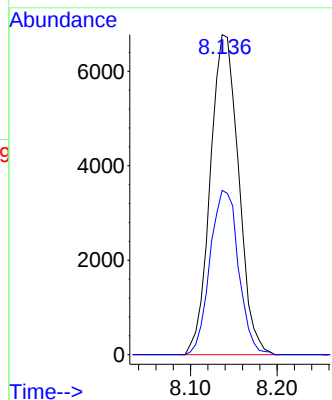
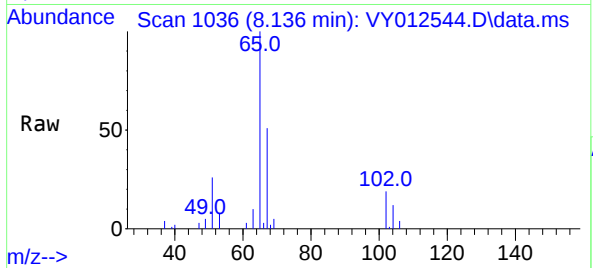




#33
1,2-Dichloroethane-d4
Concen: 32.744 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

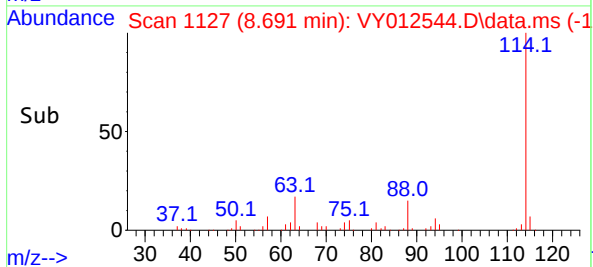
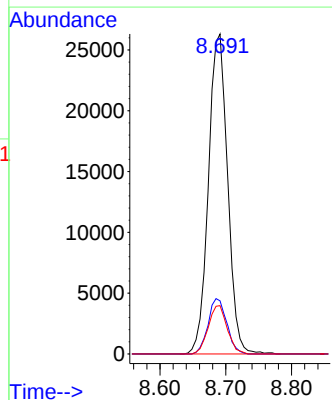
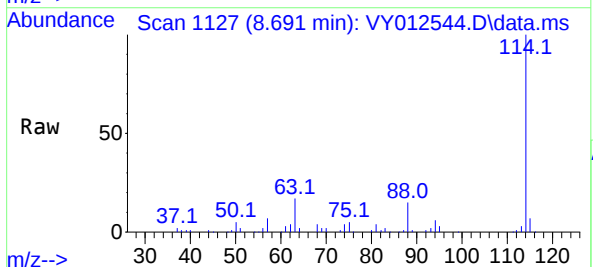
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

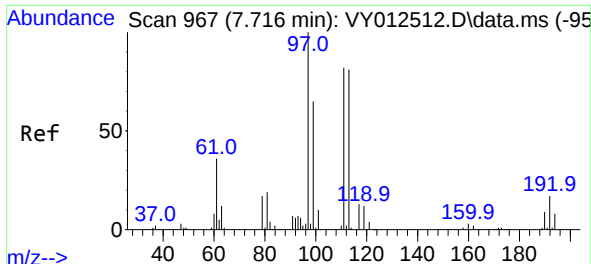
Tgt Ion: 65 Resp: 15410
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion: 114 Resp: 53422
Ion Ratio Lower Upper
114 100
63 16.6 0.0 33.6
88 15.1 0.0 29.8

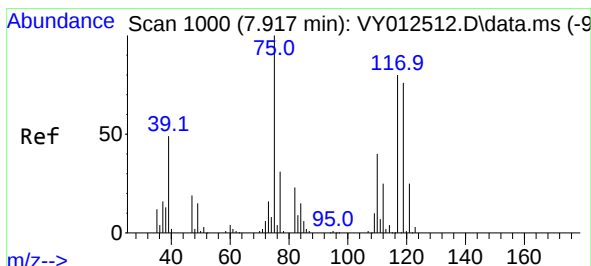
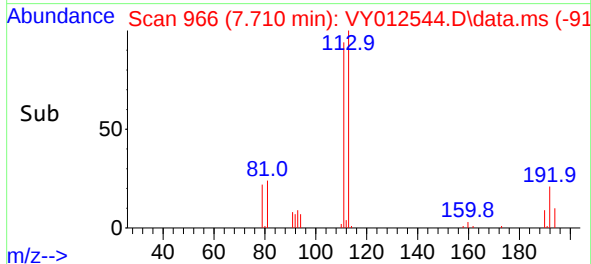
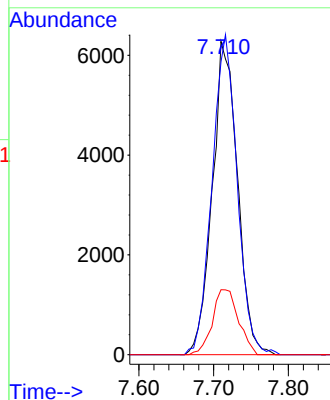
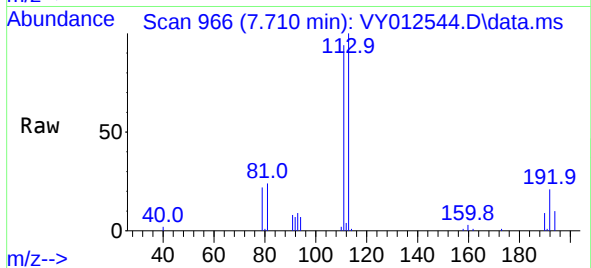




#35
Dibromofluoromethane
Concen: 37.872 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

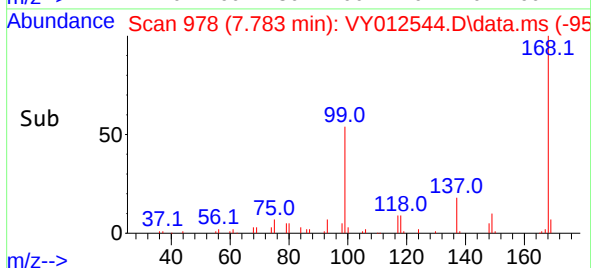
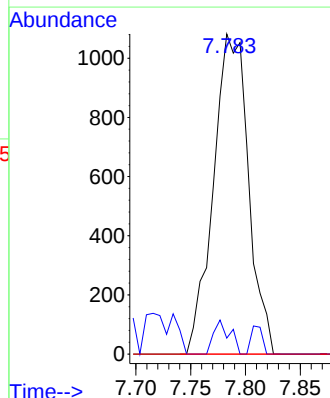
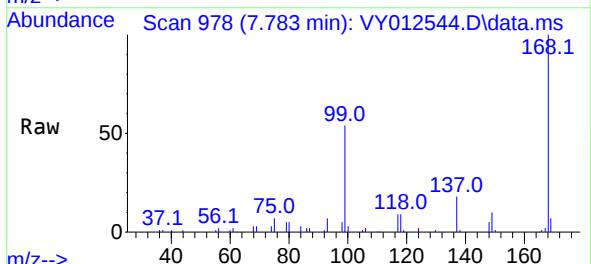
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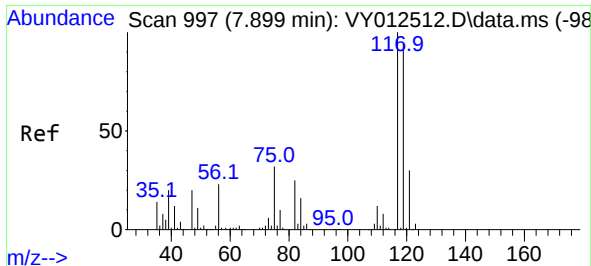
Tgt Ion:113 Resp: 14734
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 21.5 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

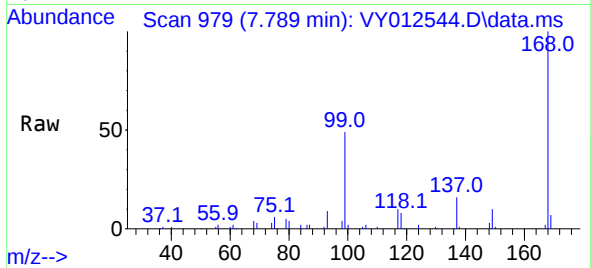
Tgt Ion: 75 Resp: 2404
Ion Ratio Lower Upper
75 100
110 5.0 19.5 58.5#
77 0.0 24.9 37.3#



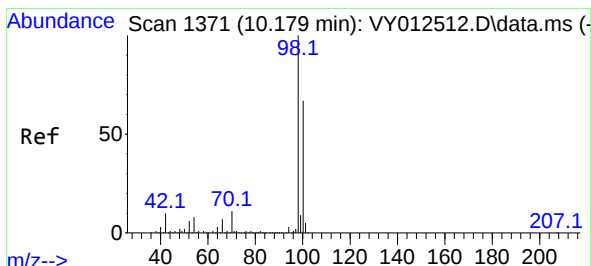
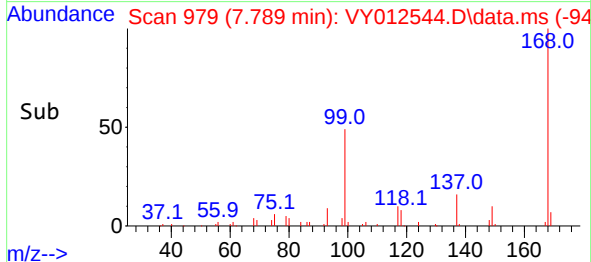
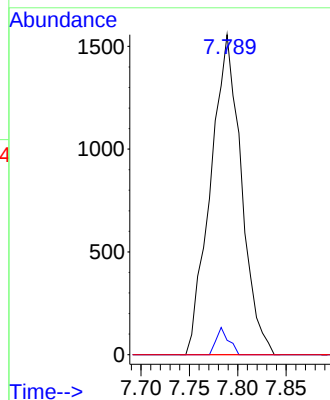


#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

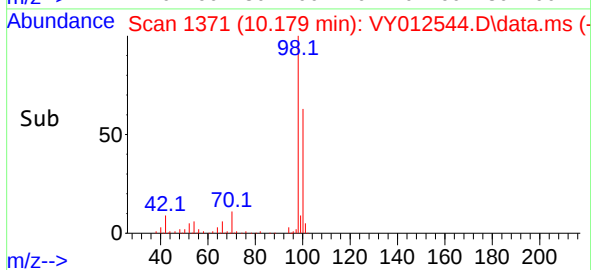
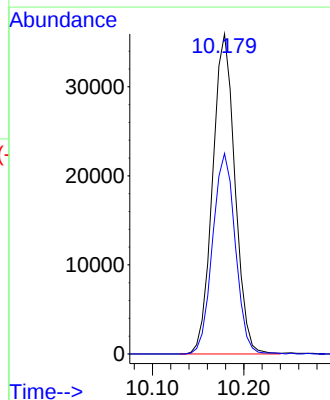
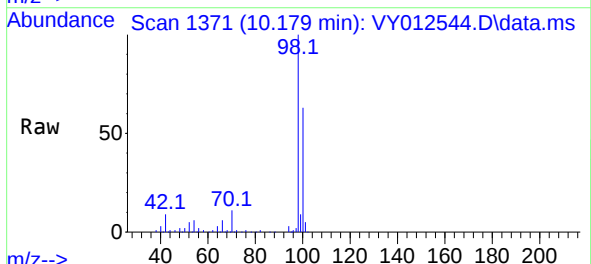


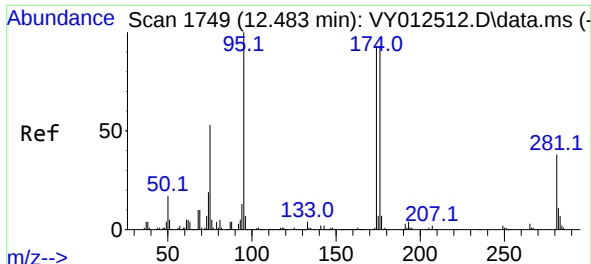
Tgt Ion:117 Resp: 3445
Ion Ratio Lower Upper
117 100
119 4.5 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 37.683 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion: 98 Resp: 61021
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2

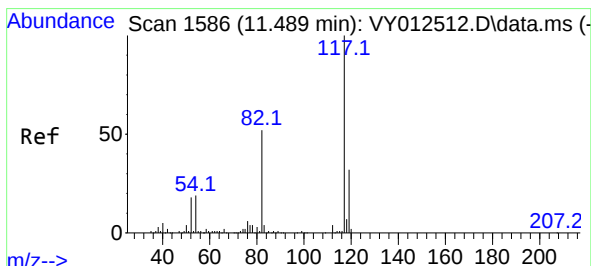
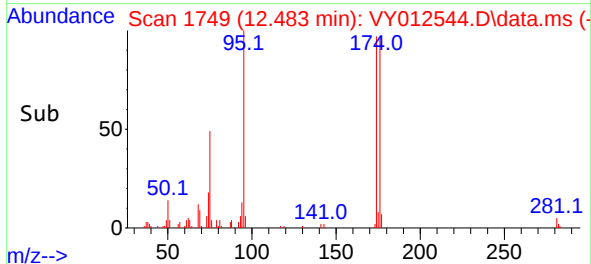
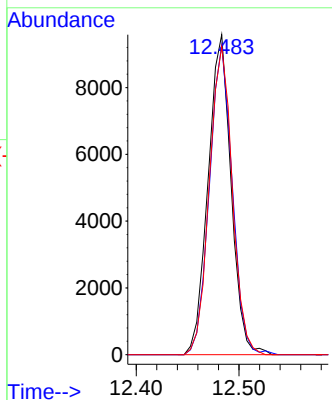
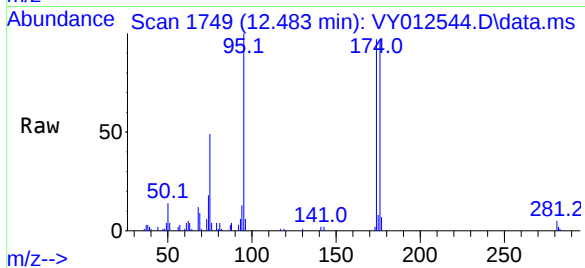




#62
4-Bromofluorobenzene
Concen: 26.296 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

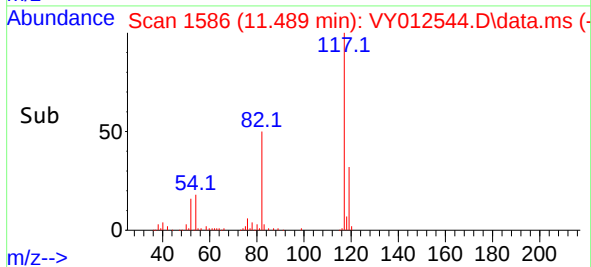
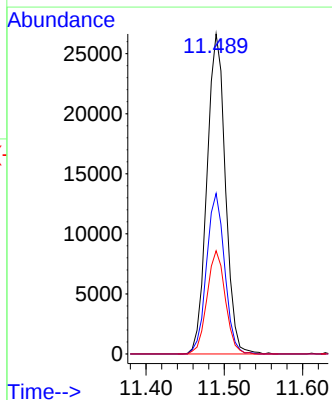
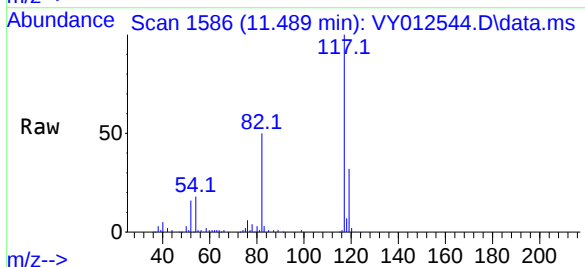
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

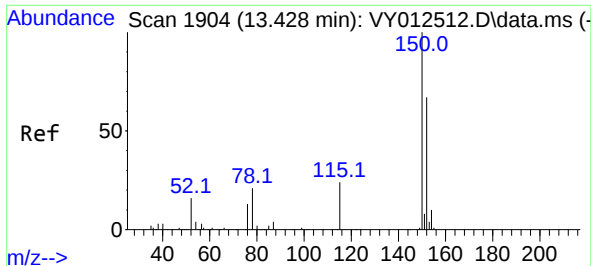
Tgt Ion:	95	Resp:	14853
Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	188.0
176	96.0	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

Tgt Ion:	117	Resp:	43493
Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.7	62.5
119	32.3	25.8	38.8

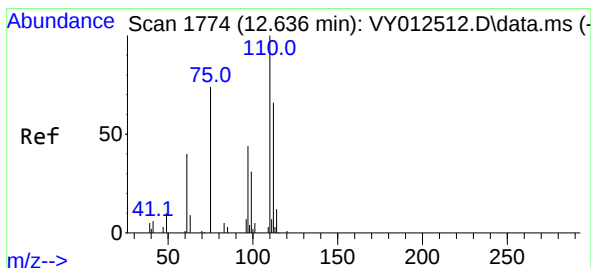
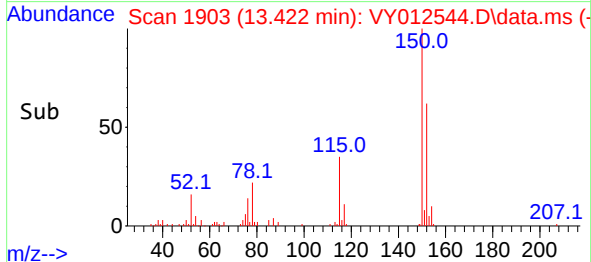
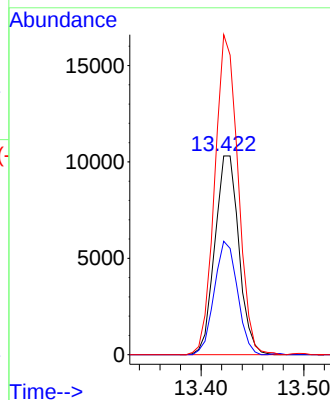
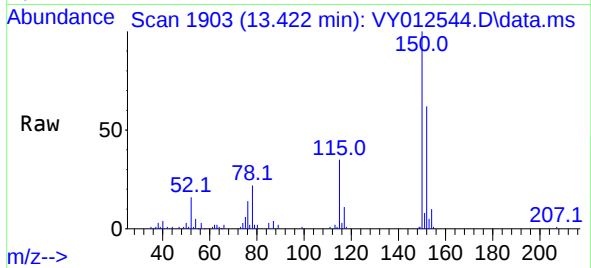




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

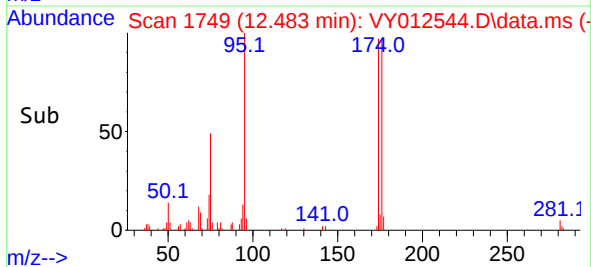
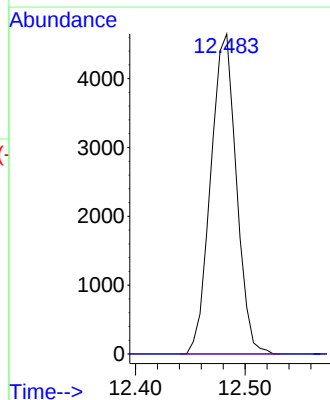
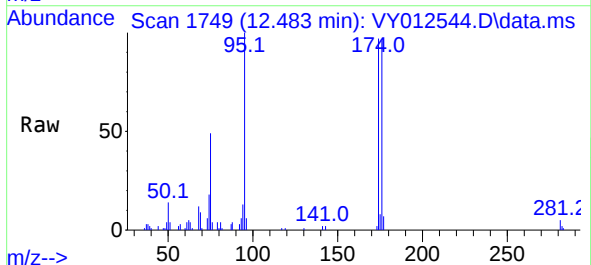
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-12

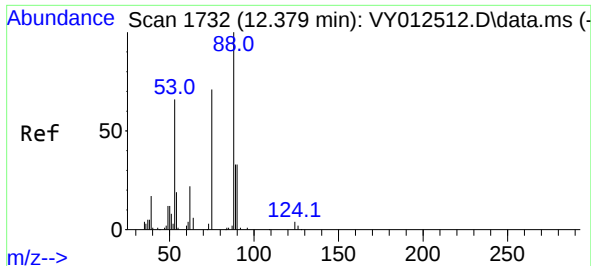
Tgt Ion:152 Resp: 16750
Ion Ratio Lower Upper
152 100
115 54.9 28.1 84.3
150 155.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 40.404 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012544.D
Acq: 08 Feb 2023 15:49

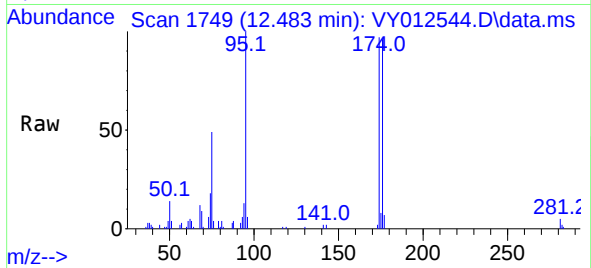
Tgt Ion: 75 Resp: 7561
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.112 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012544.D
 Acq: 08 Feb 2023 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-12



Tgt Ion: 75 Resp: 7561
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

