

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012541.D
 Acq On : 08 Feb 2023 14:39
 Operator : KP/MD
 Sample : 01464-08
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-64

Quant Time: Feb 09 07:14:25 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)

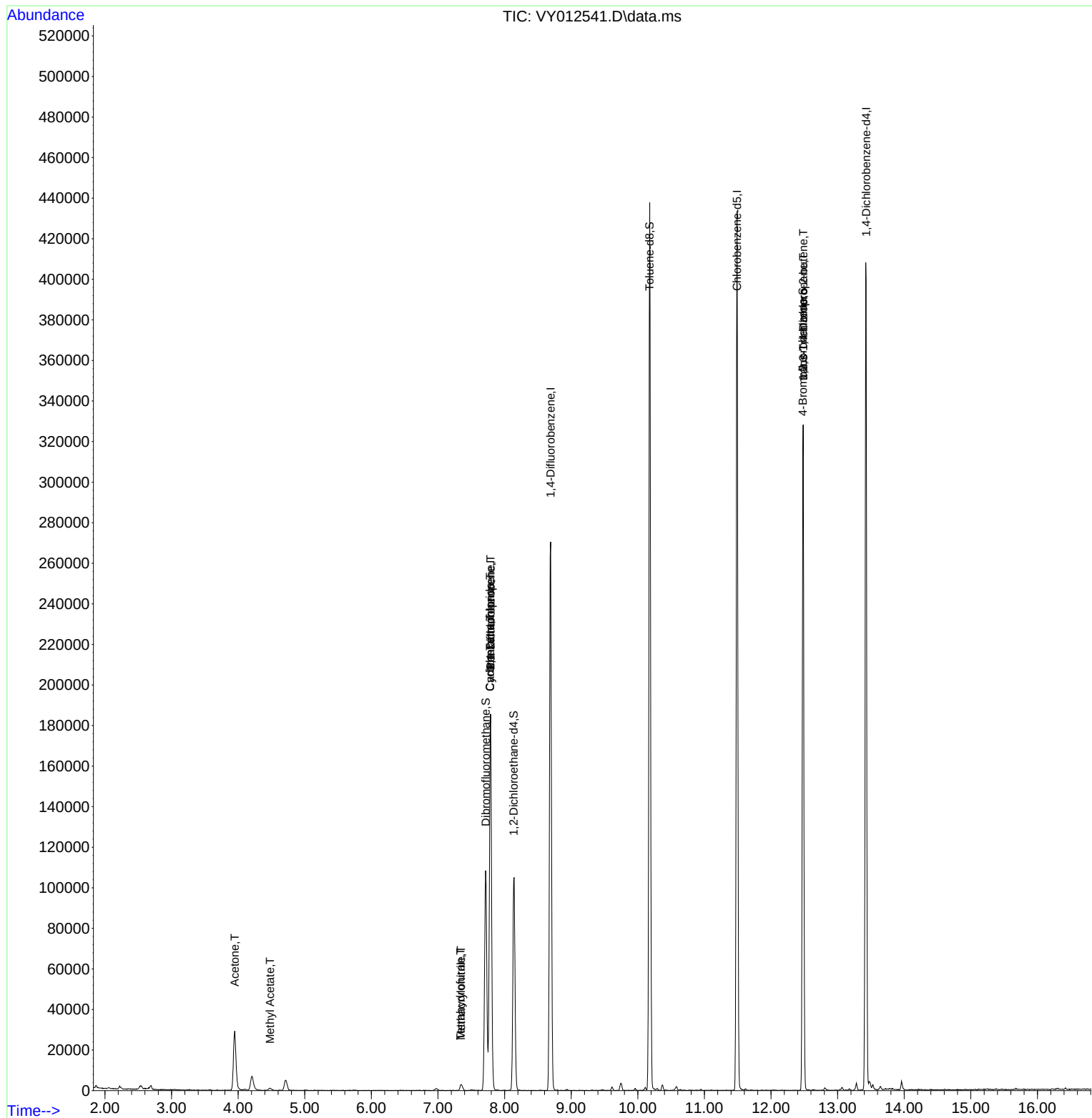
Internal Standards						
1) Pentafluorobenzene	7.789	168	147253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	240016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88643	47.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.680%		
35) Dibromofluoromethane	7.715	113	73806	40.769	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.540%		
50) Toluene-d8	10.178	98	292479	38.815	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.640%		
62) 4-Bromofluorobenzene	12.477	95	97313	37.025	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.060%		
Target Compounds			Qvalue			
5) Bromomethane	2.668	94	301	Below Cal		91
16) Acetone	3.948	43	49946	110.823	ug/l	96
18) Methyl Acetate	4.478	43	2024	1.868	ug/l	92
20) Methylene Chloride	4.710	84	4387	Below Cal	#	82
29) Tetrahydrofuran	7.337	42	2300	8.508	ug/l	97
31) Cyclohexane	7.782	56	2565	1.185	ug/l	# 12
36) 1,1-Dichloropropene	7.789	75	9734	3.973	ug/l	# 50
38) Carbon Tetrachloride	7.782	117	14359	4.366	ug/l	# 17
41) Methacrylonitrile	7.344	41	1291	2.131	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	51139	40.379	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	51139	91.058	ug/l	# 12

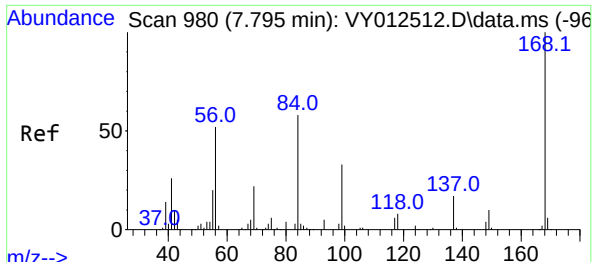
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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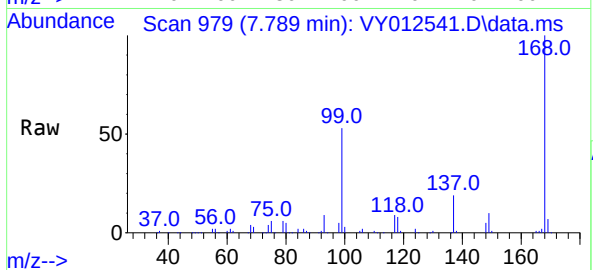
Quant Time: Feb 09 07:14:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
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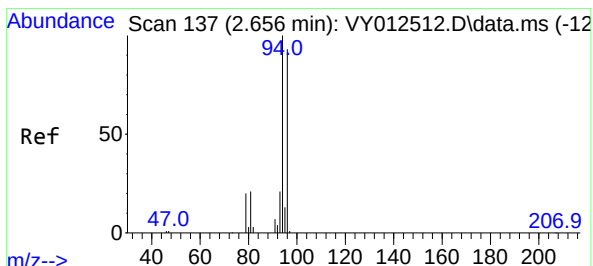
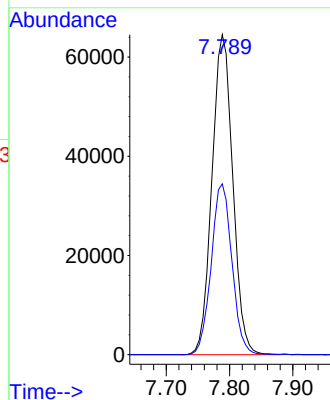
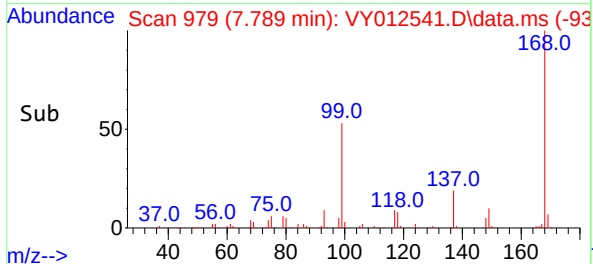


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

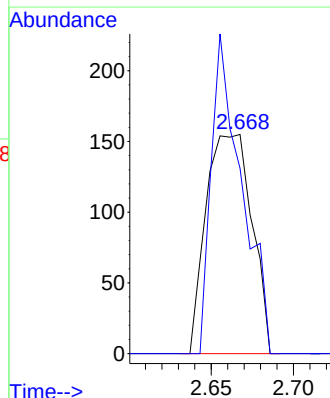
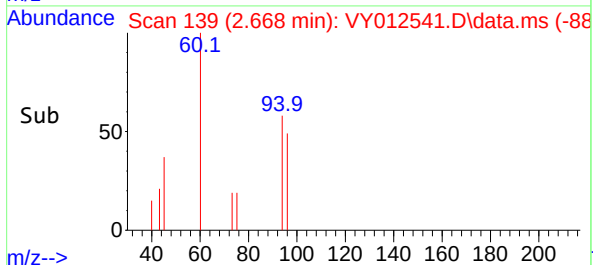
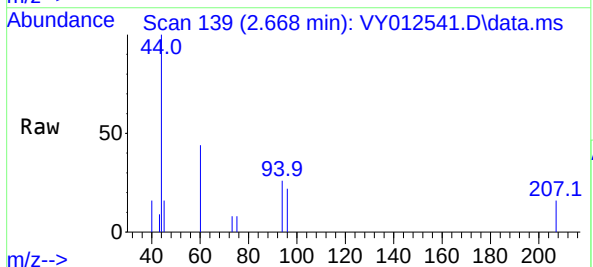


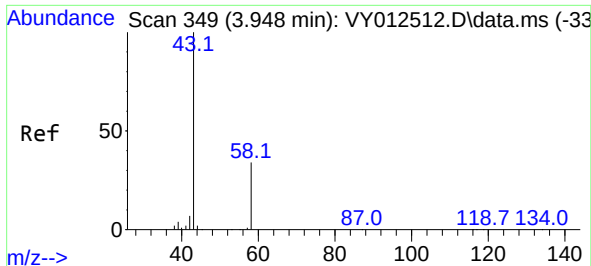
Tgt Ion:168 Resp: 147253
Ion Ratio Lower Upper
168 100
99 53.4 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 84.5 74.7 112.1

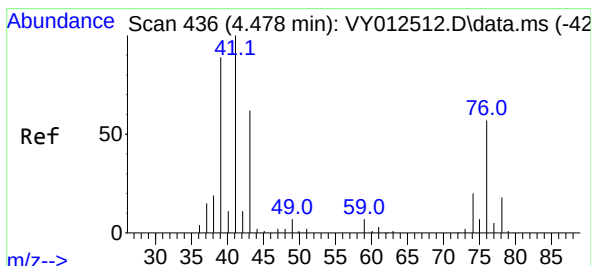
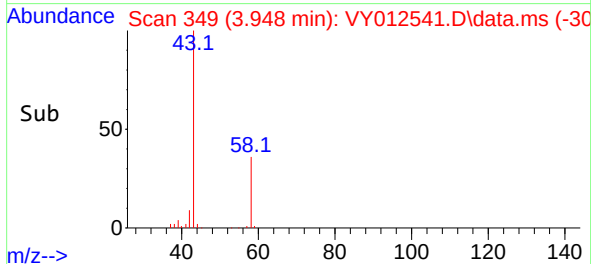
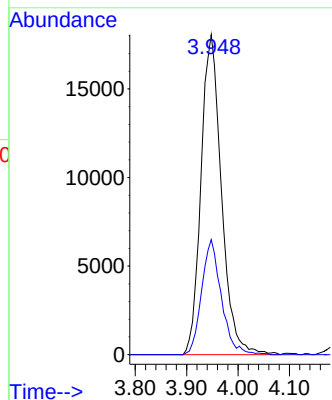
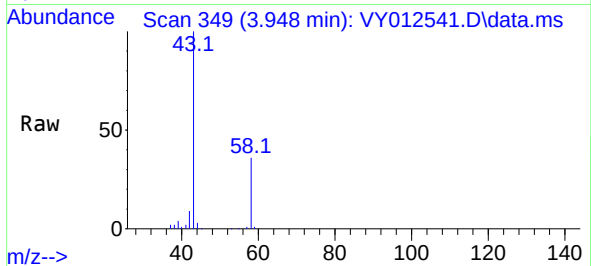




#16
Acetone
Concen: 110.823 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

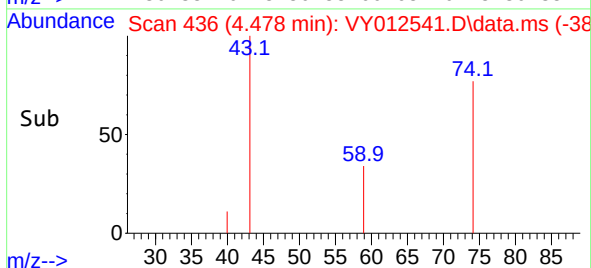
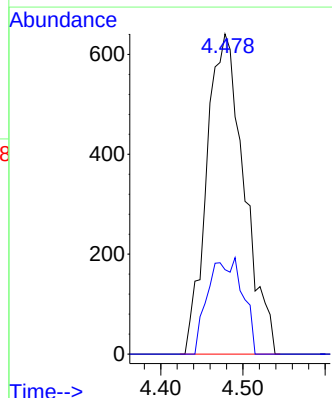
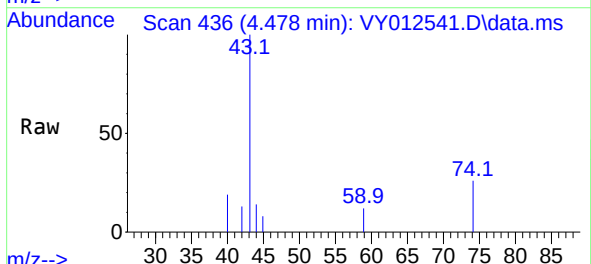
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

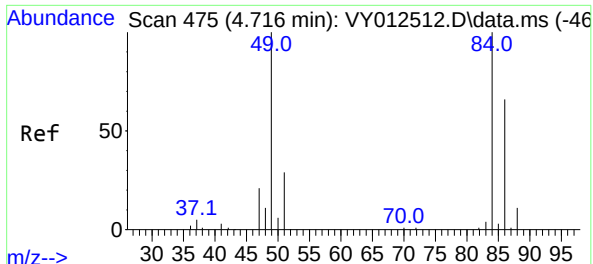
Tgt Ion: 43 Resp: 49946
Ion Ratio Lower Upper
43 100
58 35.9 27.1 40.7



#18
Methyl Acetate
Concen: 1.868 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
74 27.8 25.6 38.4



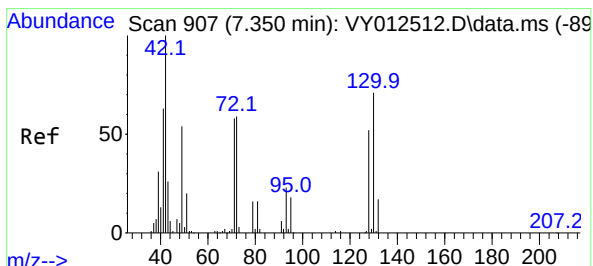
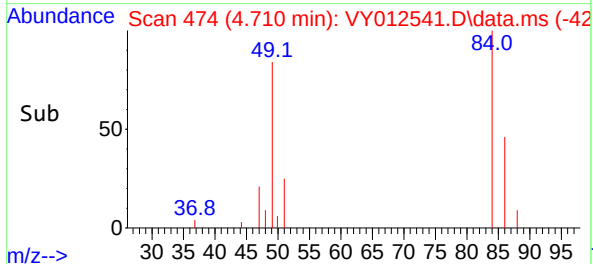
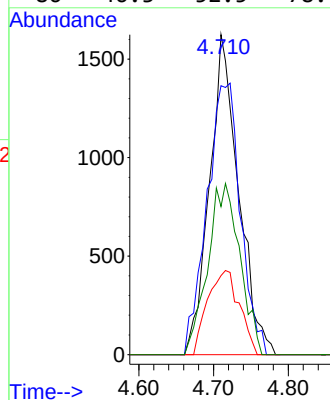
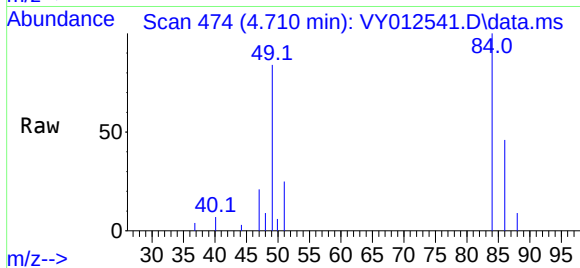


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

Tgt Ion: 84 Resp: 4387

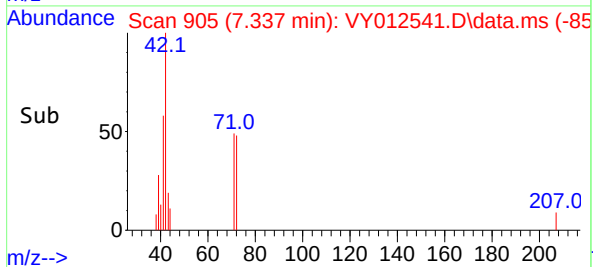
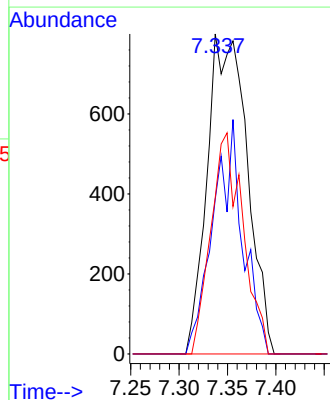
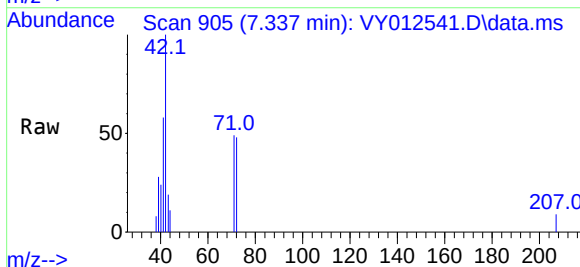
Ion	Ratio	Lower	Upper
84	100		
49	84.1	79.8	119.6
51	24.7	23.4	35.2
86	46.3	52.5	78.7

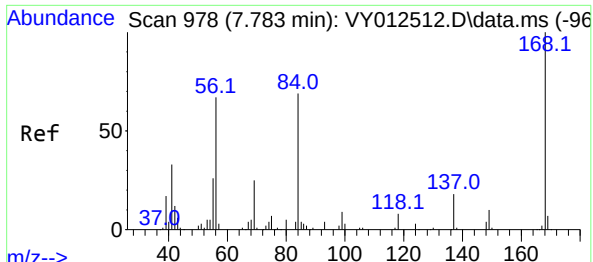


#29
Tetrahydrofuran
Concen: 8.508 ug/l
RT: 7.337 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion: 42 Resp: 2300

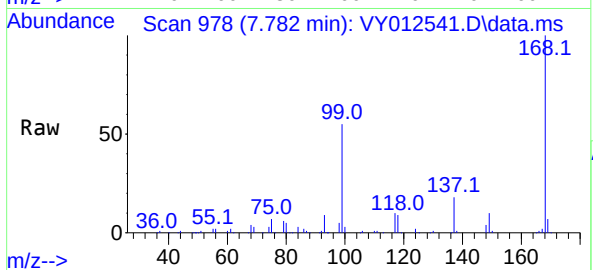
Ion	Ratio	Lower	Upper
42	100		
72	54.0	47.0	70.6
71	55.5	44.6	66.8



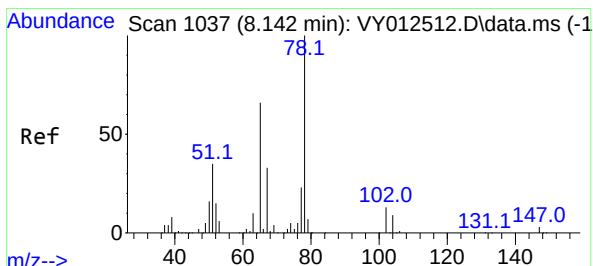
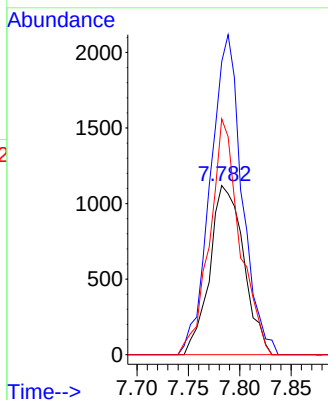
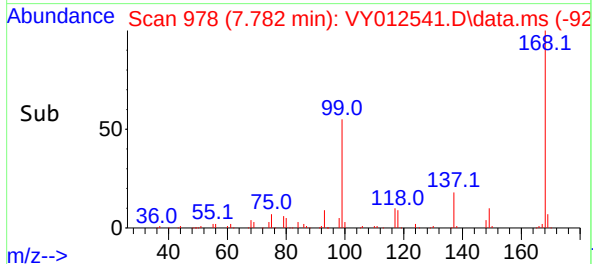


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

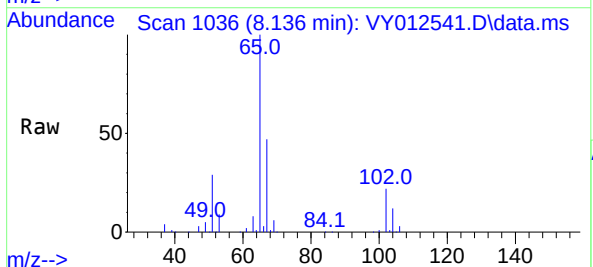
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64



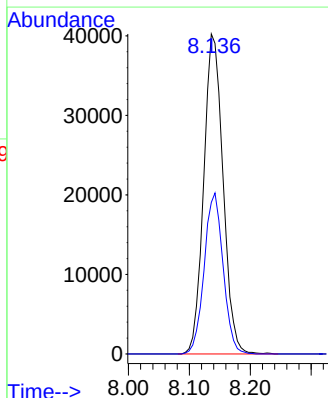
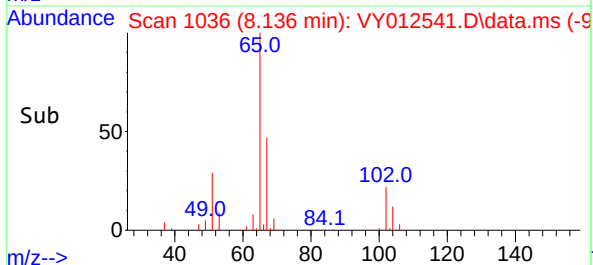
Tgt Ion: 56 Resp: 2565
Ion Ratio Lower Upper
56 100
69 173.3 29.5 44.3#
84 139.5 81.9 122.9#

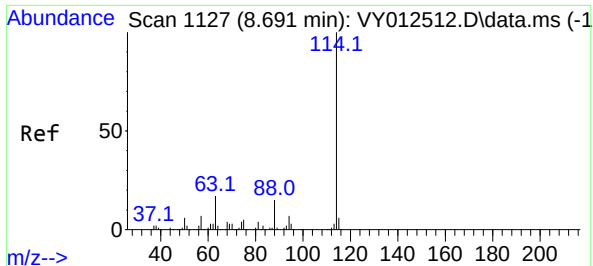


#33
1,2-Dichloroethane-d4
Concen: 47.339 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39



Tgt Ion: 65 Resp: 88643
Ion Ratio Lower Upper
65 100
67 49.2 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: VY012541.D

Acq: 08 Feb 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64

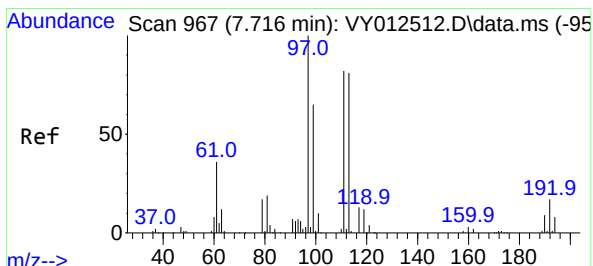
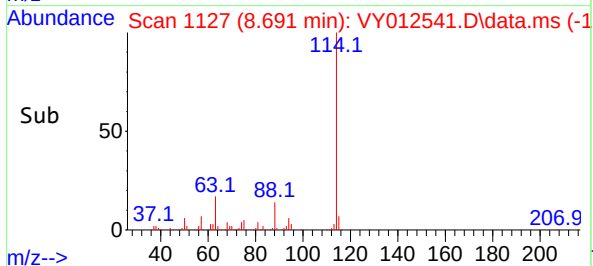
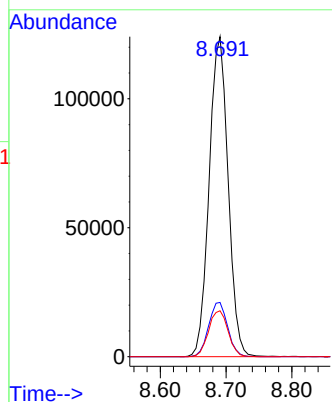
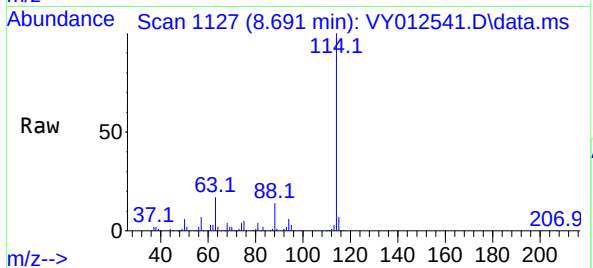
Tgt Ion:114 Resp: 248585

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.769 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012541.D

Acq: 08 Feb 2023 14:39

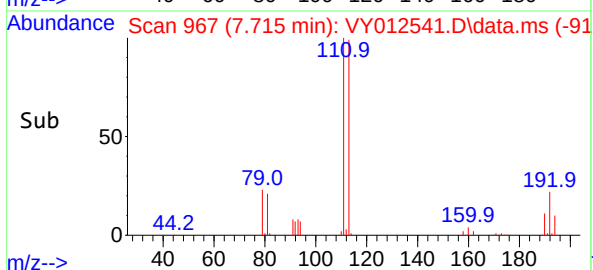
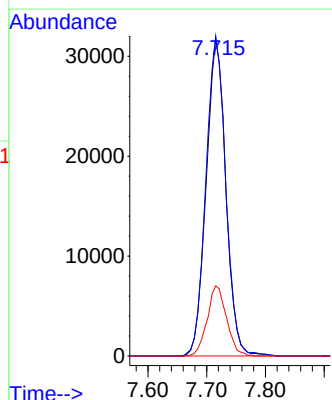
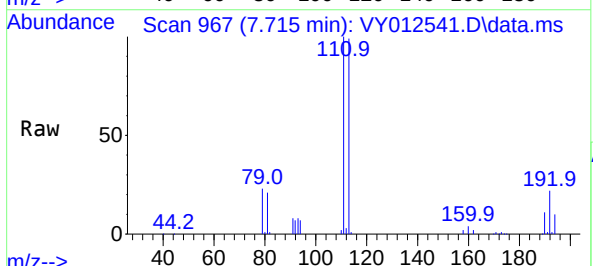
Tgt Ion:113 Resp: 73806

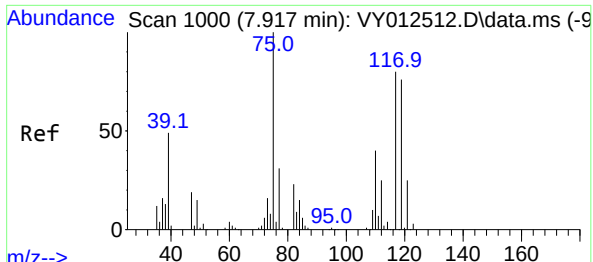
Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

192 21.7 17.5 26.3

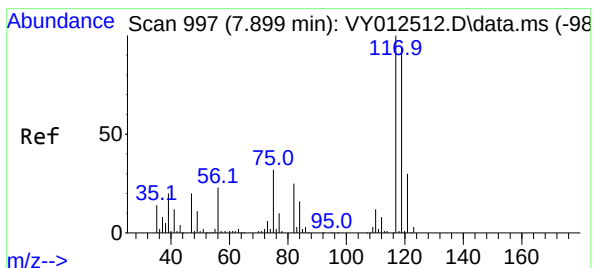
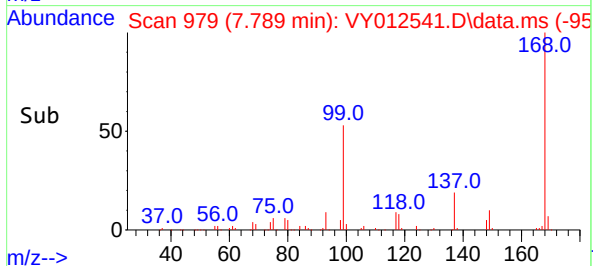
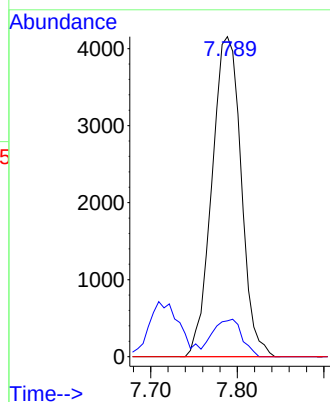
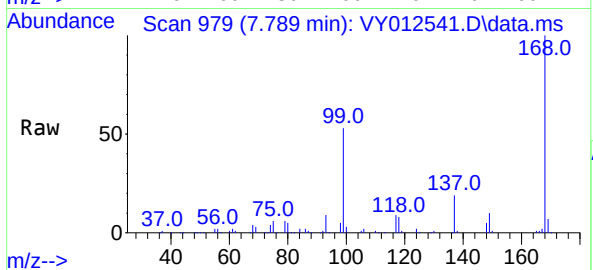




#36
1,1-Dichloropropene
Concen: 3.973 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

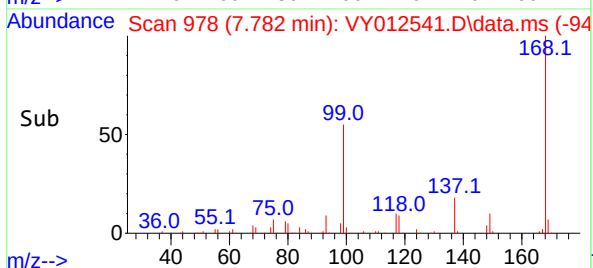
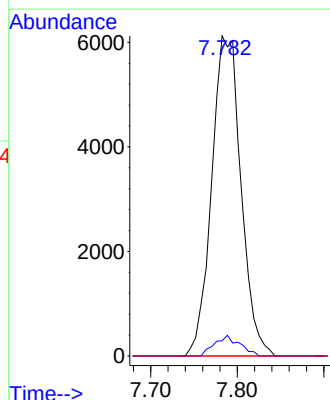
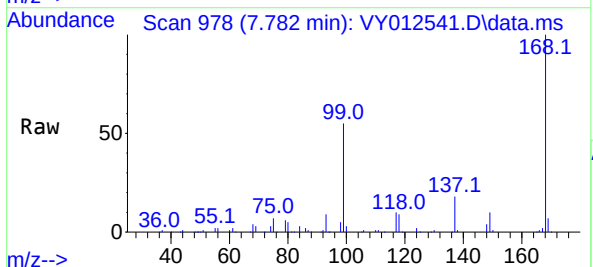
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TOT-VOC-GRAB-64

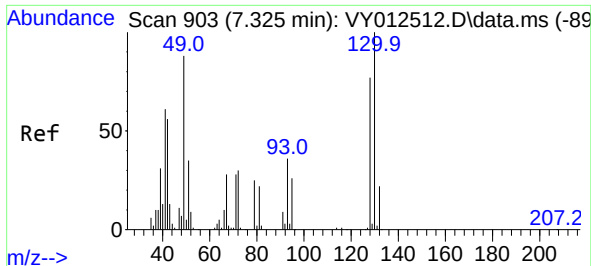
Tgt Ion: 75 Resp: 9734
Ion Ratio Lower Upper
75 100
110 11.7 19.5 58.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.366 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion: 117 Resp: 14359
Ion Ratio Lower Upper
117 100
119 4.7 75.1 112.7#
121 0.0 24.3 36.5#

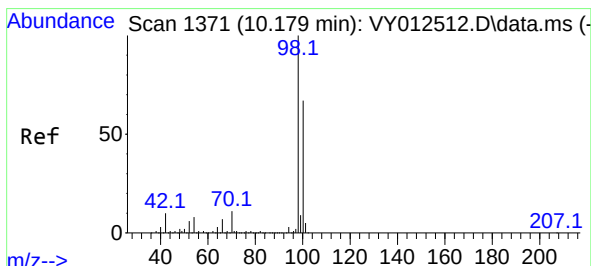
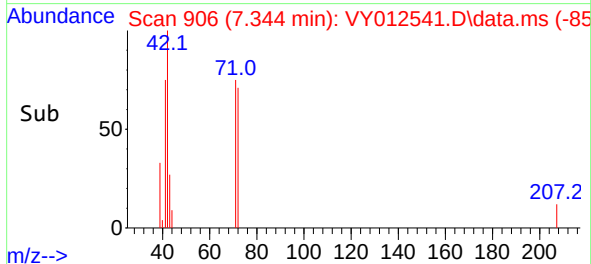
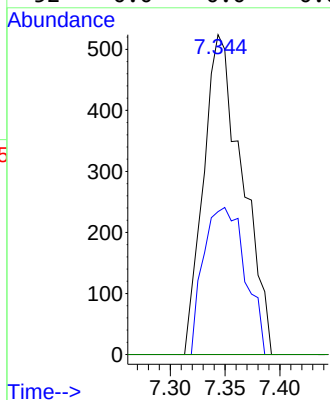
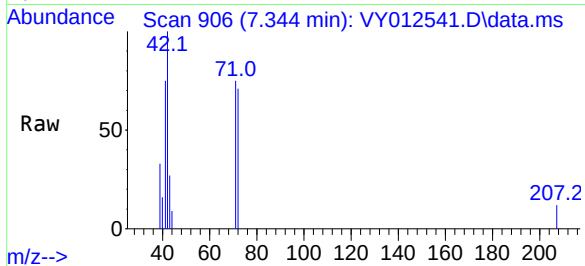




#41
Methacrylonitrile
Concen: 2.131 ug/l
RT: 7.344 min Scan# 903
Delta R.T. 0.018 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

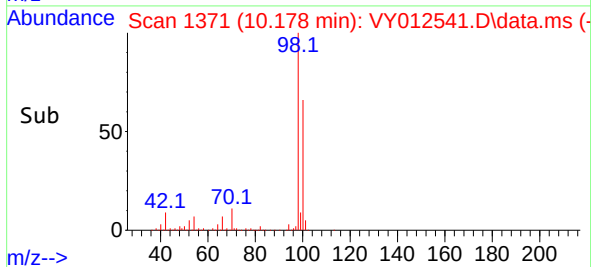
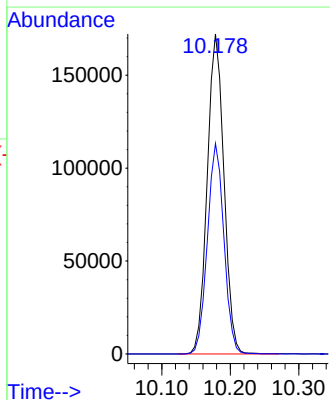
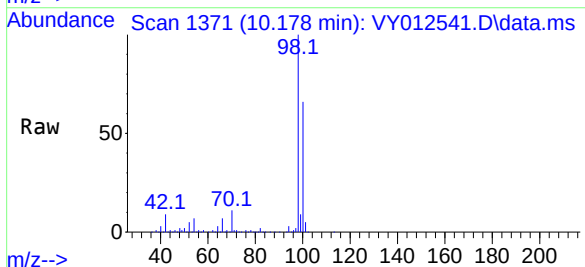
Instrument :
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TOT-VOC-GRAB-64

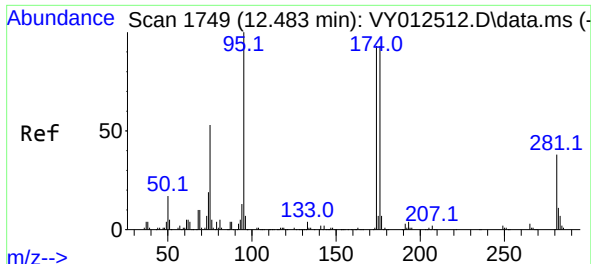
Tgt Ion: 41	Resp: 1291
Ion Ratio	Lower Upper
41 100	
39 49.3	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 38.815 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion: 98	Resp: 292479
Ion Ratio	Lower Upper
98 100	
100 64.9	52.2 78.2

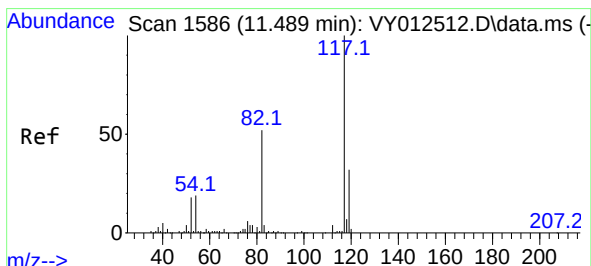
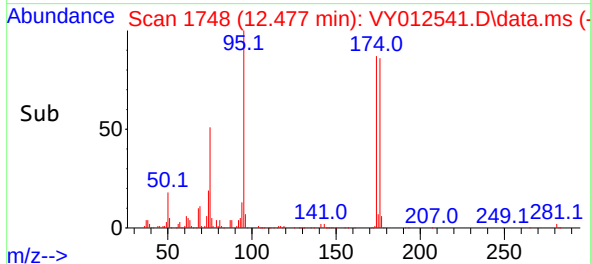
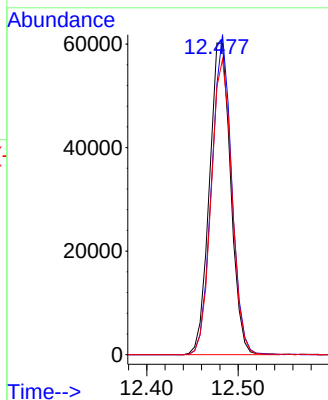
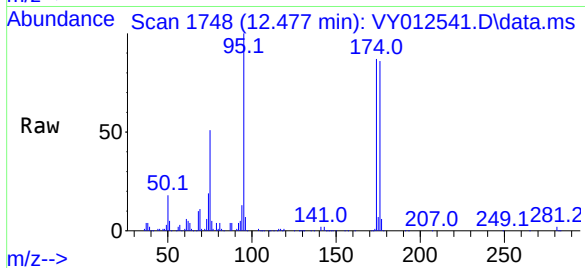




#62
4-Bromofluorobenzene
Concen: 37.025 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

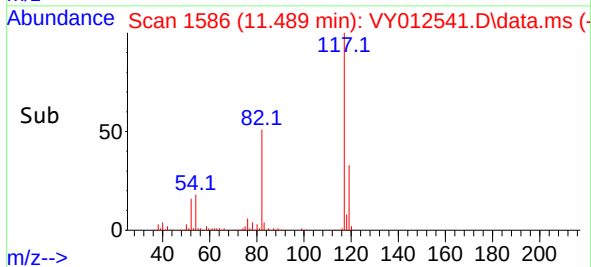
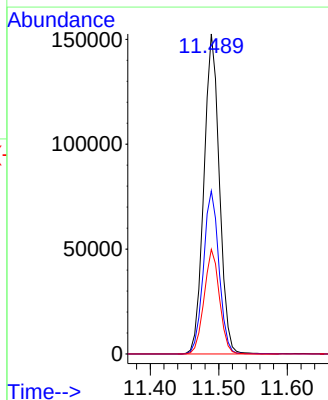
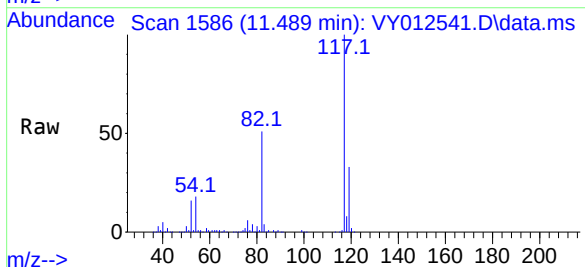
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

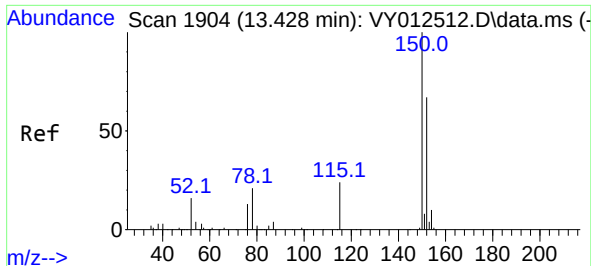
Tgt Ion:	95	Resp:	97313
Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	188.0
176	92.1	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

Tgt Ion:	117	Resp:	240016
Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.7	62.5
119	32.7	25.8	38.8

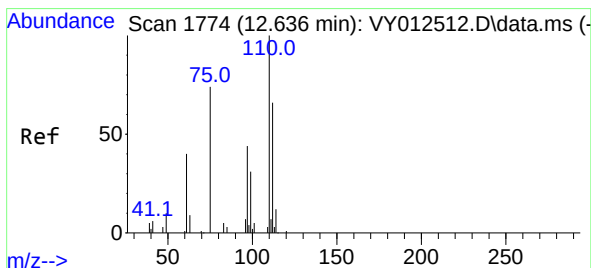
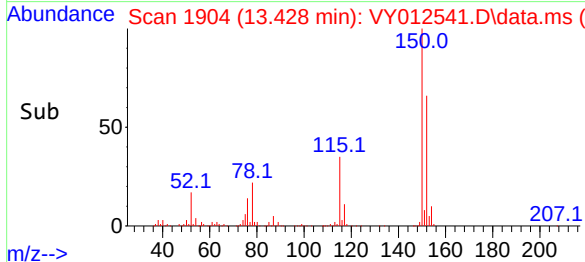
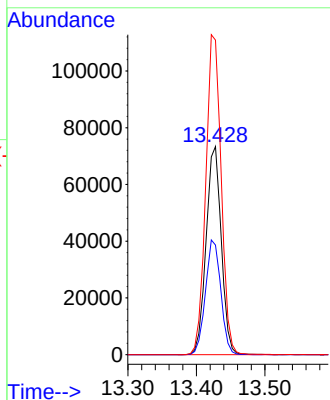
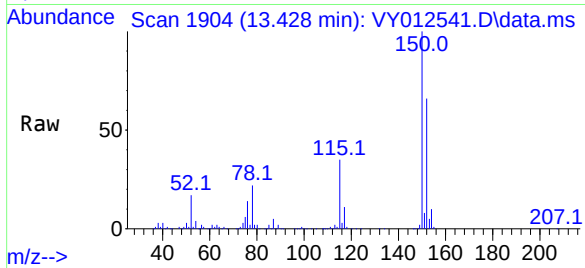




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

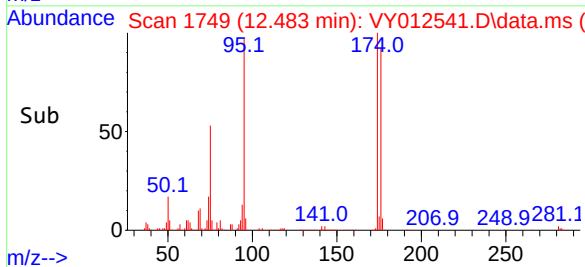
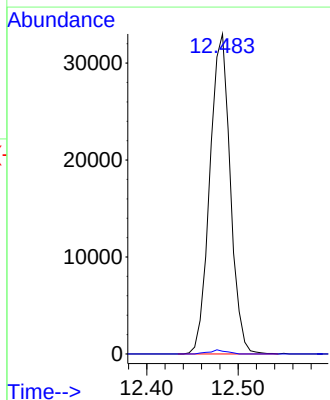
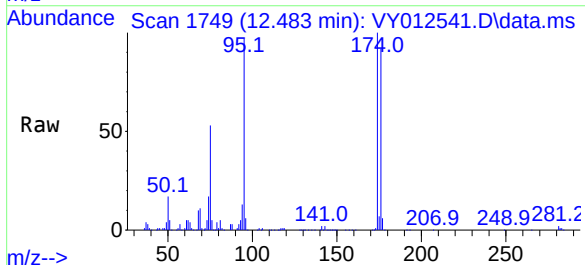
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

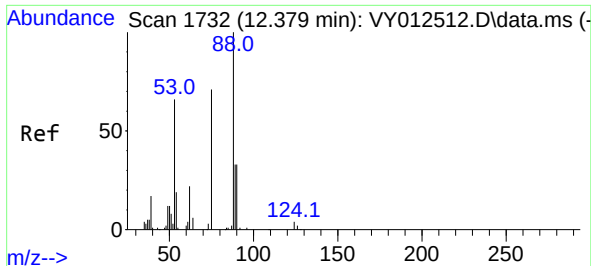
Tgt Ion:152 Resp: 113357
Ion Ratio Lower Upper
152 100
115 55.6 28.1 84.3
150 155.9 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 40.379 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012541.D
Acq: 08 Feb 2023 14:39

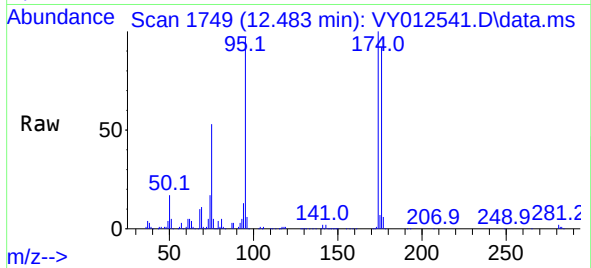
Tgt Ion: 75 Resp: 51139
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.058 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012541.D
 Acq: 08 Feb 2023 14:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-64



Tgt Ion: 75 Resp: 51139
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

