

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012545.D
 Acq On : 08 Feb 2023 16:12
 Operator : KP/MD
 Sample : 01462-14
 Misc : 3.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-16

Quant Time: Feb 09 07:15:00 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)

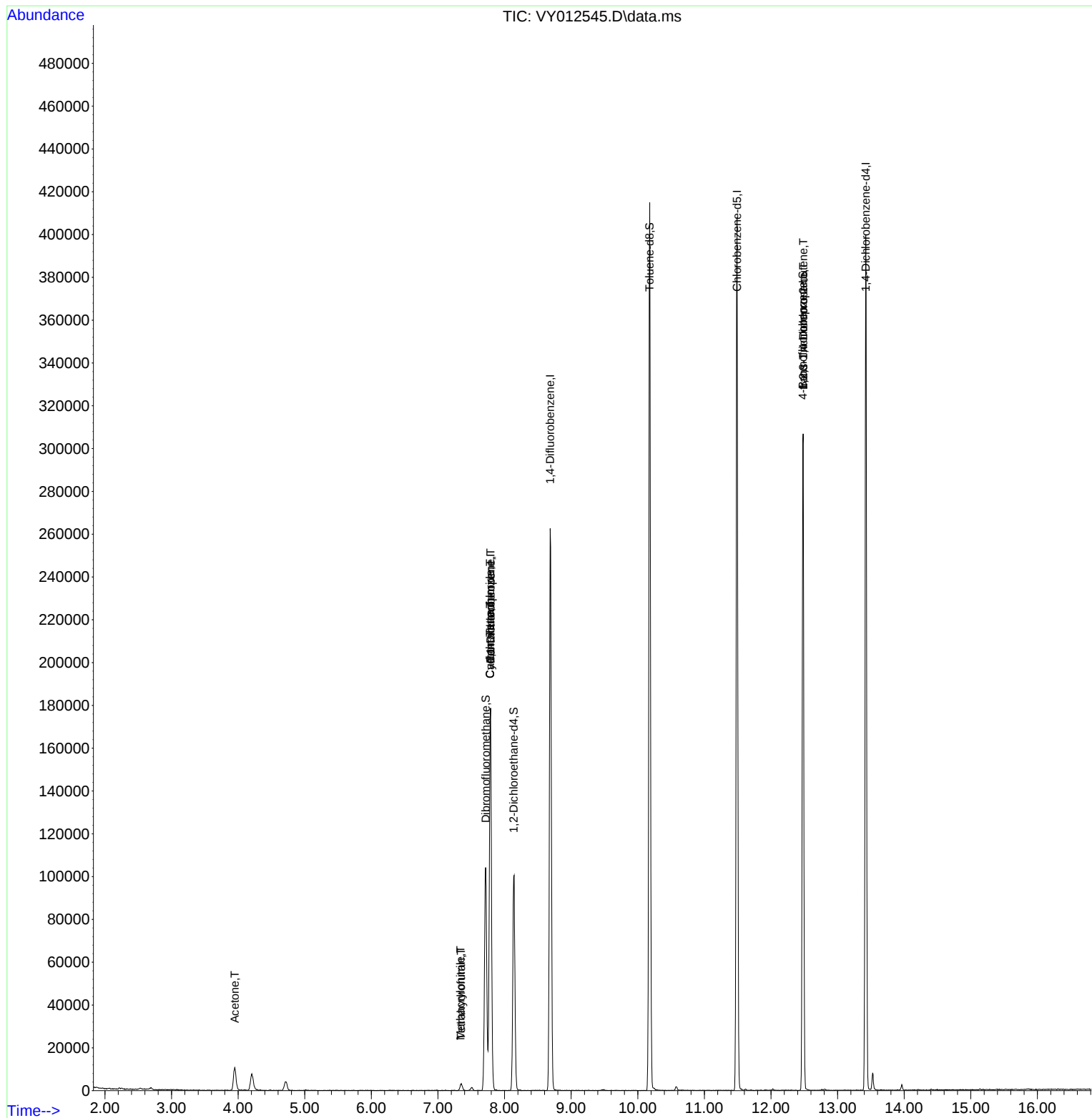
Internal Standards						
1) Pentafluorobenzene	7.789	168	143671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	240033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	231396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84438	46.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.440%
35) Dibromofluoromethane	7.716	113	71252	40.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.520%
50) Toluene-d8	10.179	98	281429	38.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.360%
62) 4-Bromofluorobenzene	12.477	95	92211	36.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	107	Below Cal	#	3
16) Acetone	3.948	43	18763	42.670	ug/l	94
20) Methylene Chloride	4.710	84	3638	Below Cal	#	84
29) Tetrahydrofuran	7.344	42	2301	8.724	ug/l	# 73
31) Cyclohexane	7.783	56	2397	1.135	ug/l	# 34
36) 1,1-Dichloropropene	7.789	75	9271	3.919	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	13633	4.293	ug/l	# 17
41) Methacrylonitrile	7.338	41	1274	2.178	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	48535	39.787	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	48535	89.722	ug/l	# 12

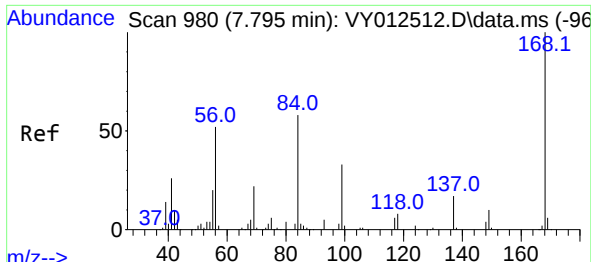
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

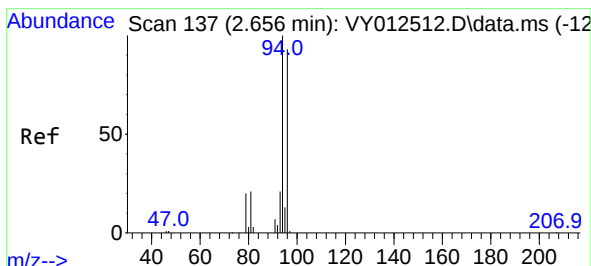
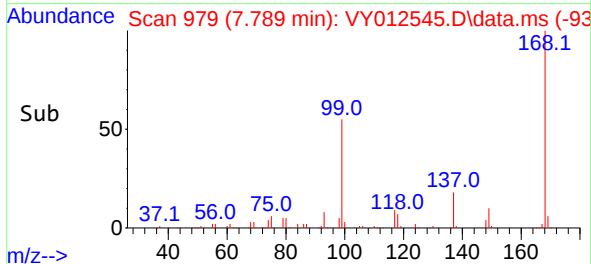
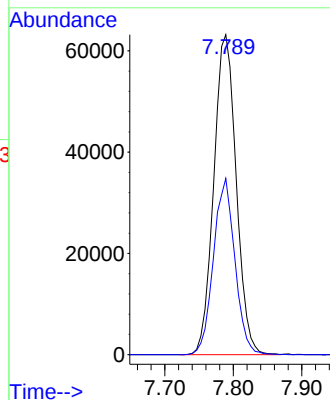
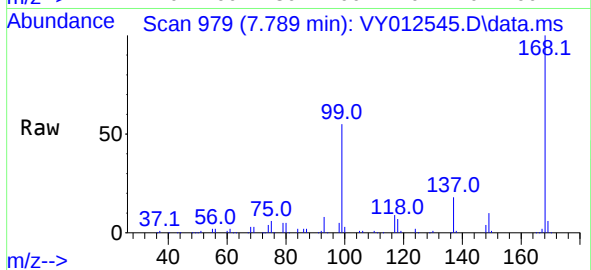




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

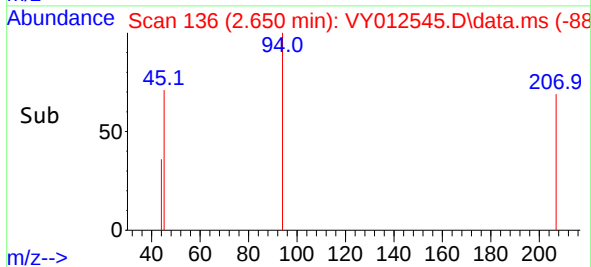
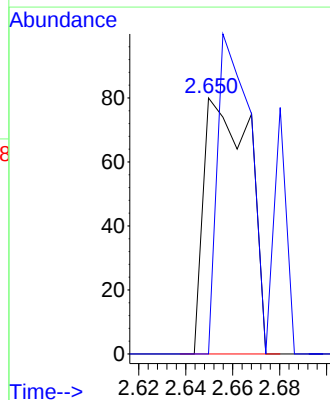
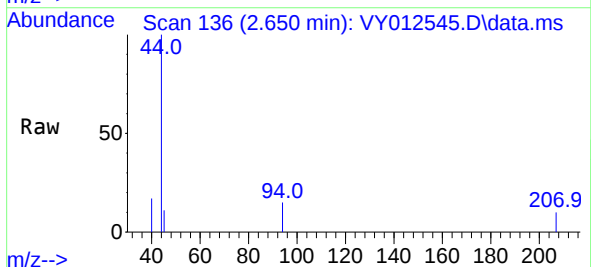
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-16

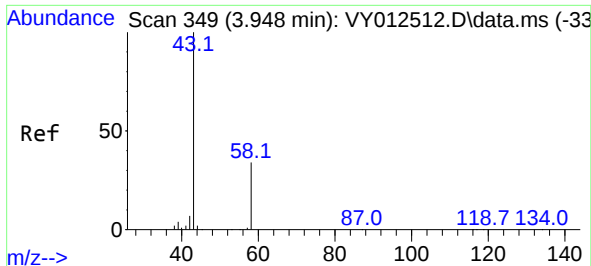
Tgt Ion:168 Resp: 143671
Ion Ratio Lower Upper
168 100
99 55.1 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 0.0 74.7 112.1#

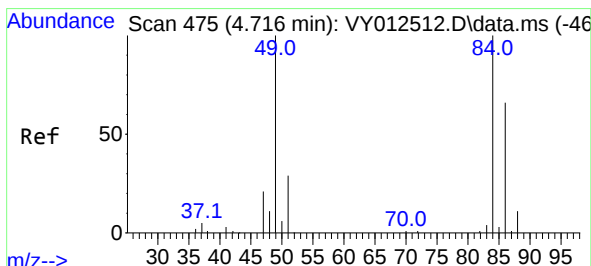
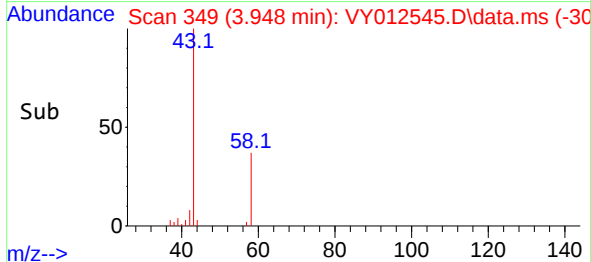
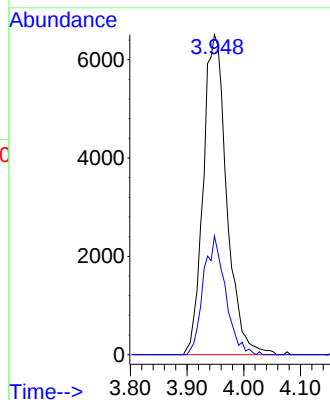
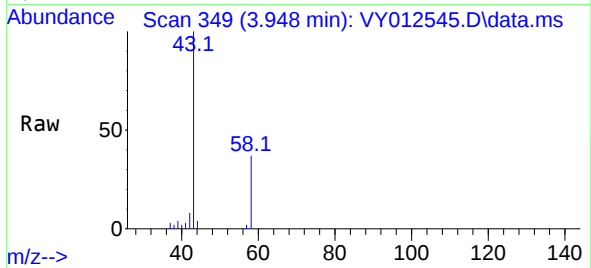




#16
Acetone
Concen: 42.670 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

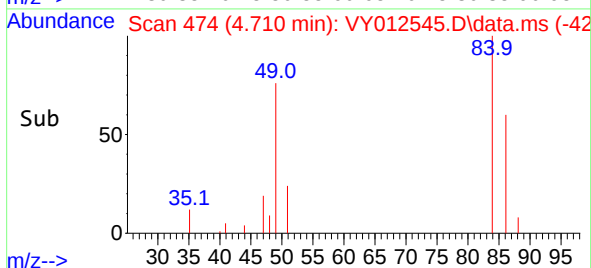
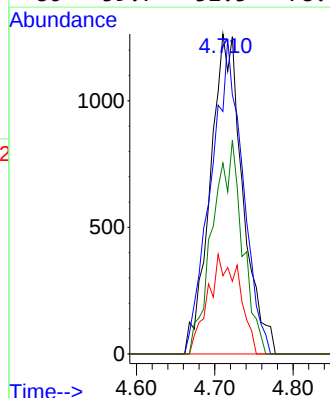
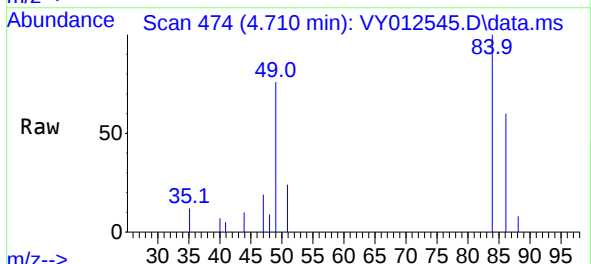
Instrument :
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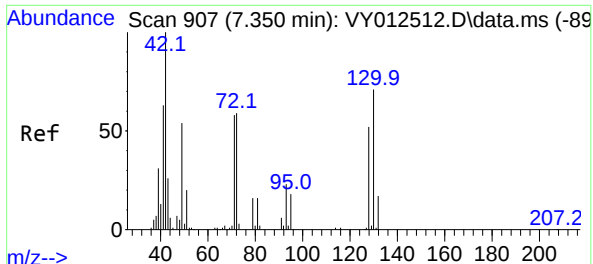
Tgt Ion: 43 Resp: 18763
Ion Ratio Lower Upper
43 100
58 37.1 27.1 40.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 84 Resp: 3638
Ion Ratio Lower Upper
84 100
49 75.8 79.8 119.6#
51 24.4 23.4 35.2
86 59.7 52.5 78.7





#29

Tetrahydrofuran

Concen: 8.724 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-16

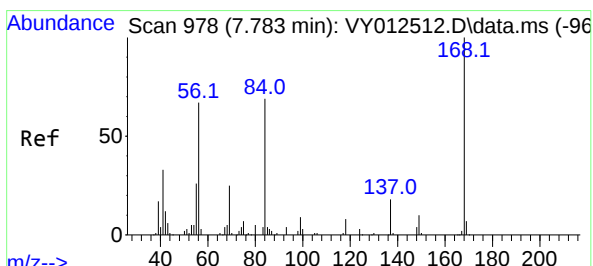
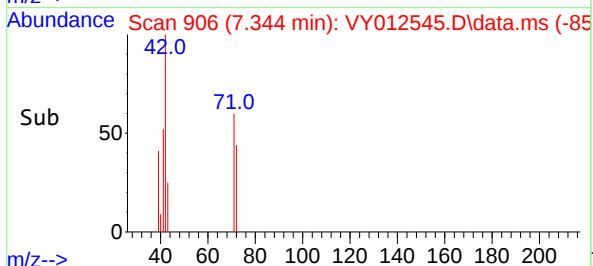
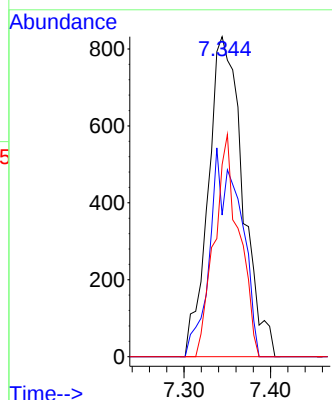
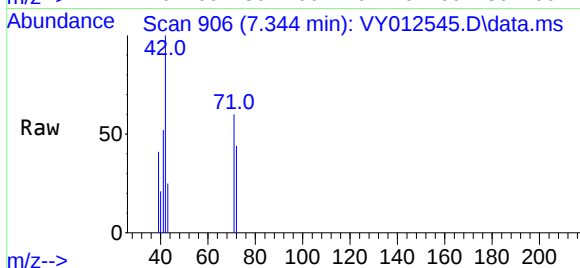
Tgt Ion: 42 Resp: 2301

Ion Ratio Lower Upper

42 100

72 25.9 47.0 70.6#

71 49.7 44.6 66.8



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY012545.D

Acq: 08 Feb 2023 16:12

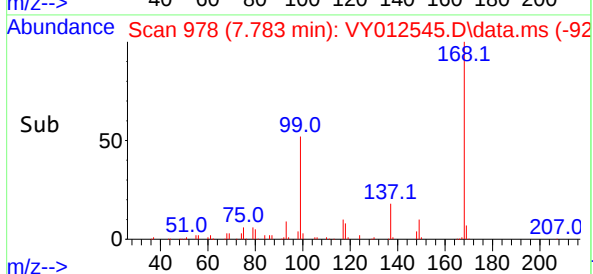
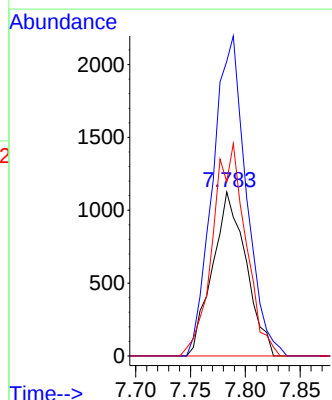
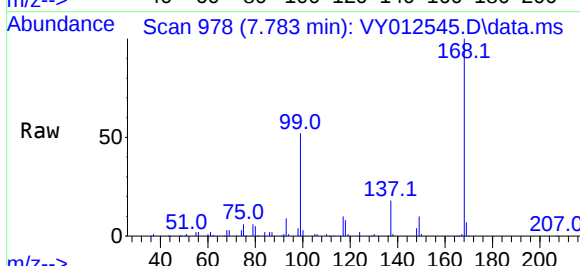
Tgt Ion: 56 Resp: 2397

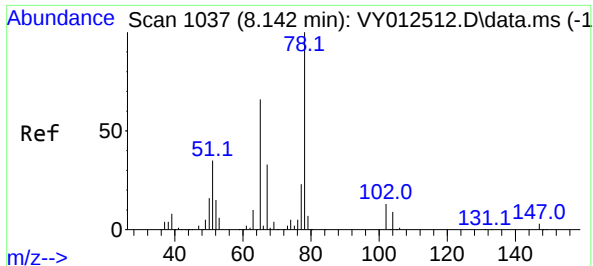
Ion Ratio Lower Upper

56 100

69 179.6 29.5 44.3#

84 106.3 81.9 122.9

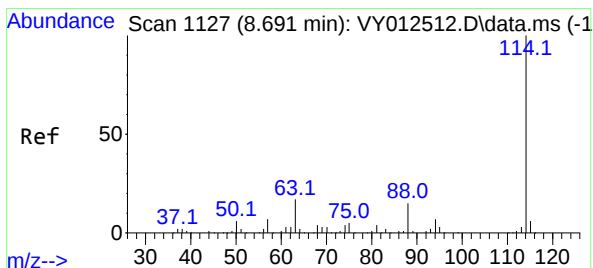
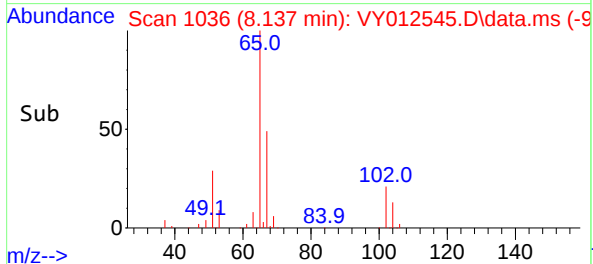
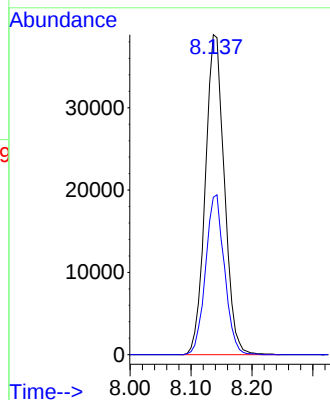
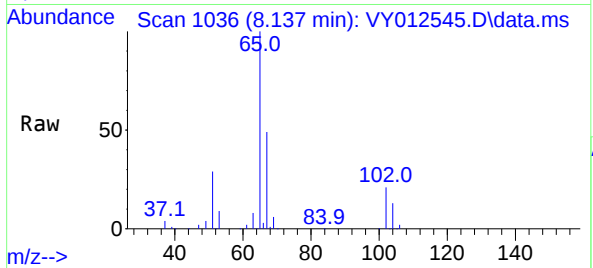




#33
1,2-Dichloroethane-d4
Concen: 46.218 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

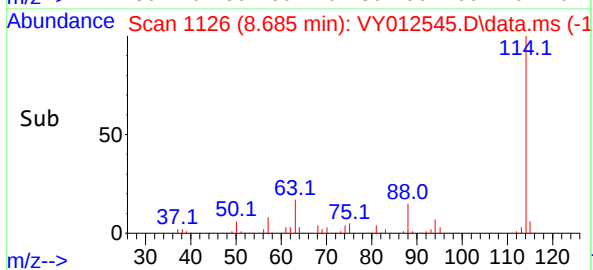
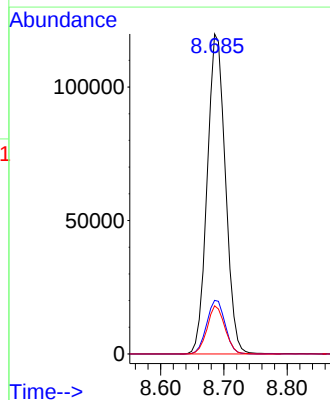
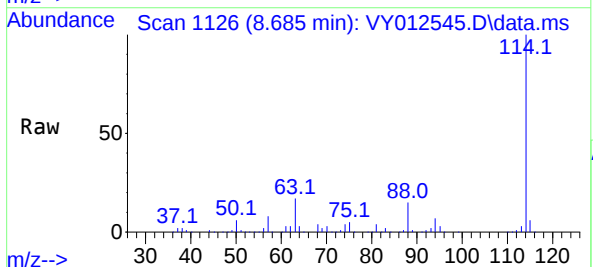
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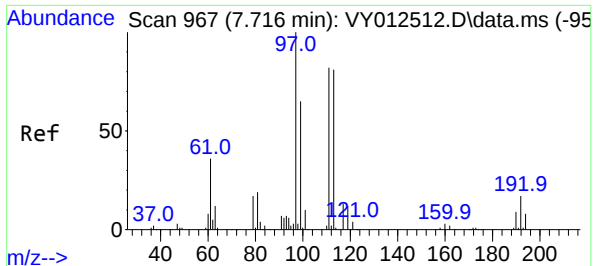
Tgt Ion: 65 Resp: 84438
Ion Ratio Lower Upper
65 100
67 49.5 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 114 Resp: 240033
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.6
88 15.0 0.0 29.8

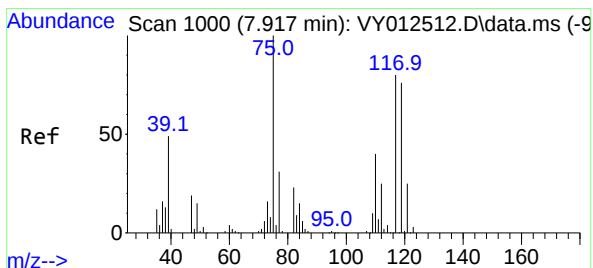
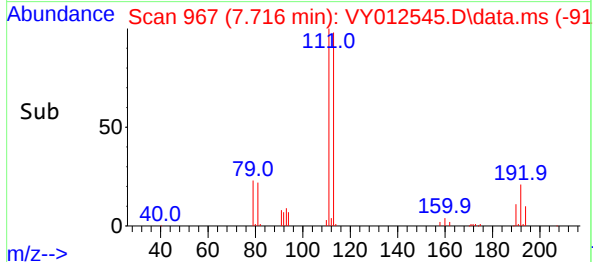
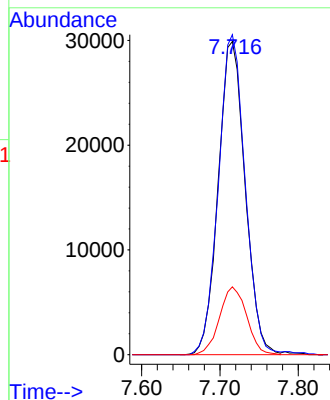
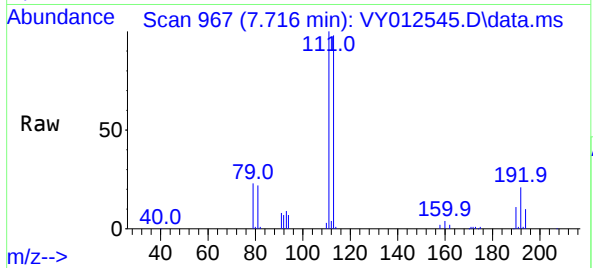




#35
Dibromofluoromethane
Concen: 40.761 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

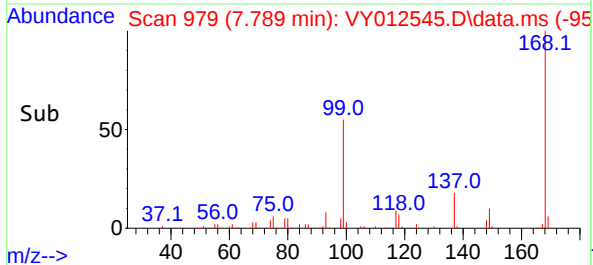
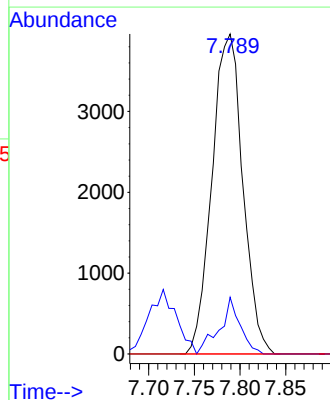
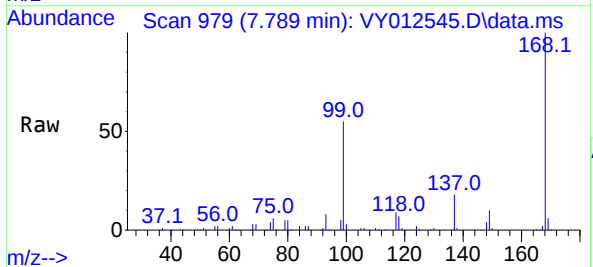
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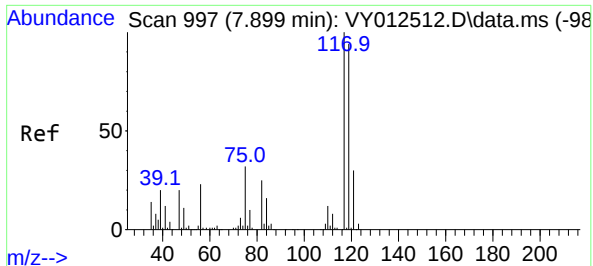
Tgt Ion:113 Resp: 71252
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 21.8 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.919 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 75 Resp: 9271
Ion Ratio Lower Upper
75 100
110 11.8 19.5 58.5#
77 0.0 24.9 37.3#

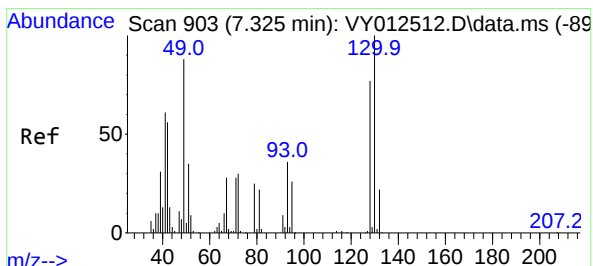
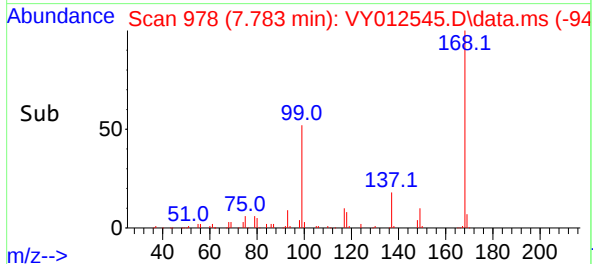
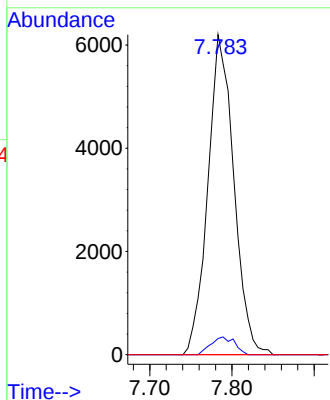
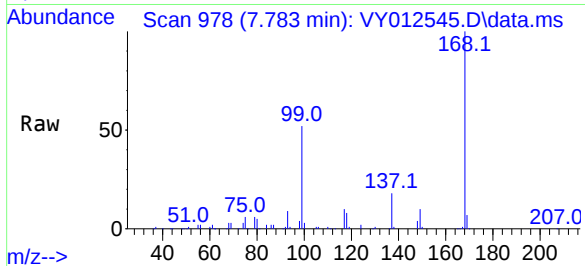




#38
Carbon Tetrachloride
Concen: 4.293 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

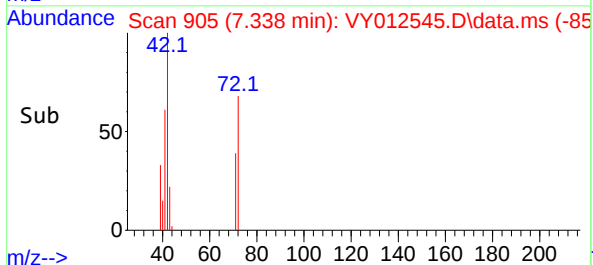
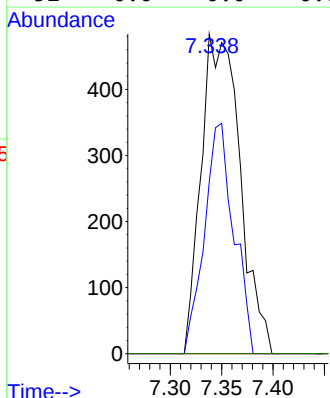
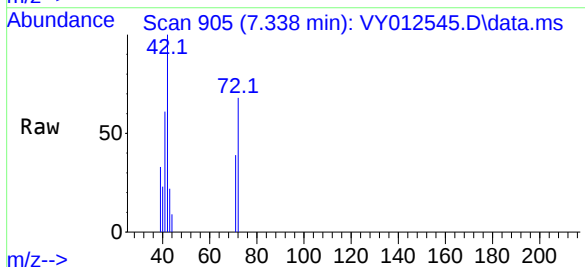
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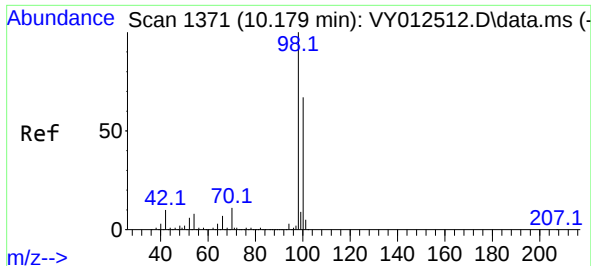
Tgt Ion:117 Resp: 13633
Ion Ratio Lower Upper
117 100
119 5.0 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.178 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.012 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 41 Resp: 1274
Ion Ratio Lower Upper
41 100
39 54.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

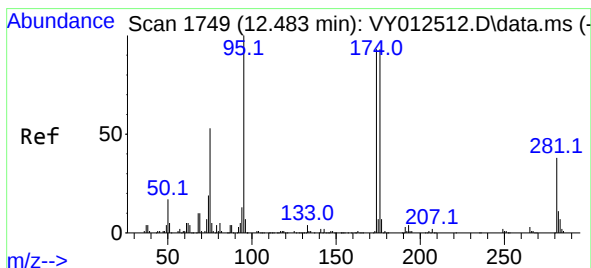
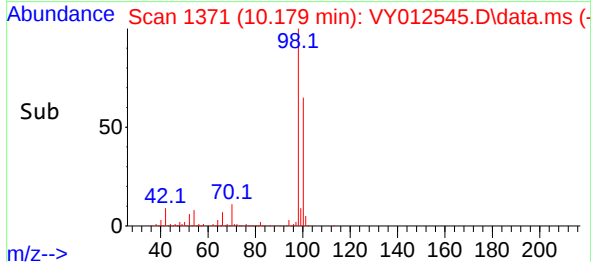
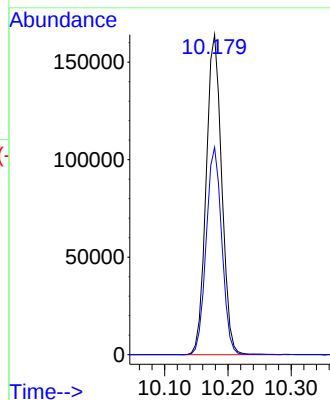
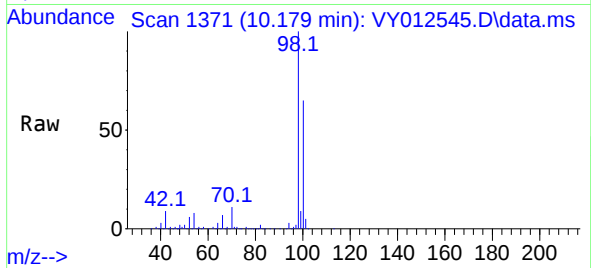




#50
Toluene-d8
Concen: 38.679 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

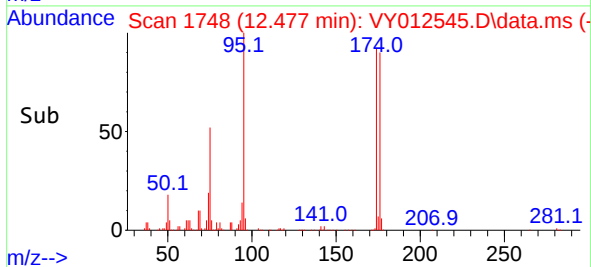
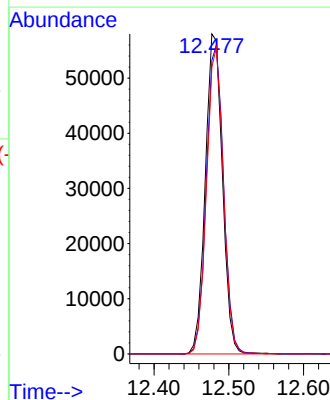
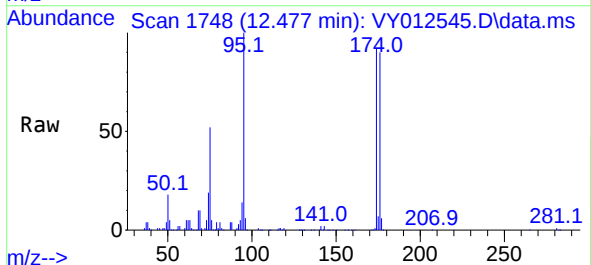
Instrument :
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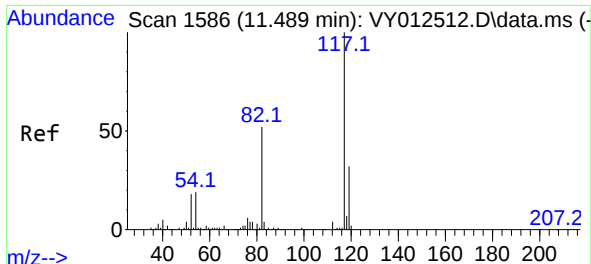
Tgt Ion: 98 Resp: 281429
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 36.334 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 95 Resp: 92211
Ion Ratio Lower Upper
95 100
174 97.2 0.0 188.0
176 94.4 0.0 183.6

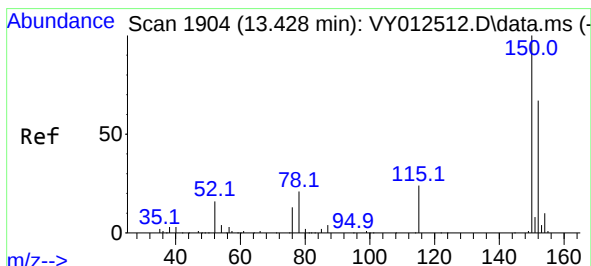
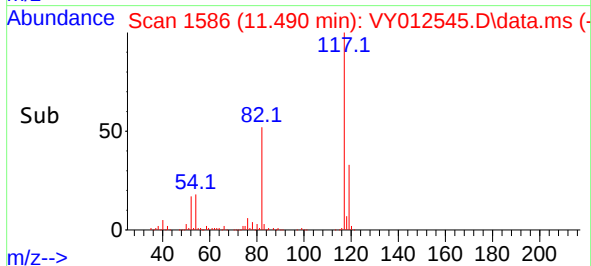
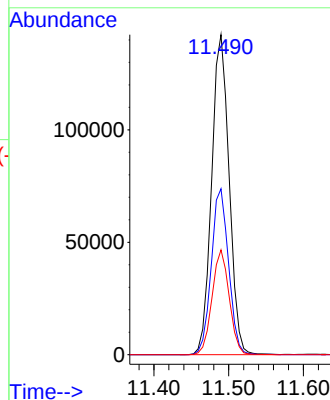
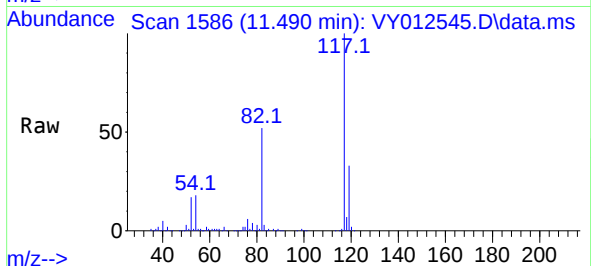




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

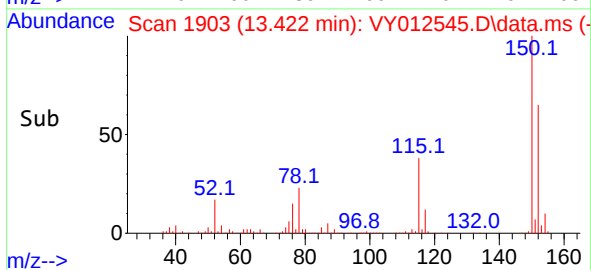
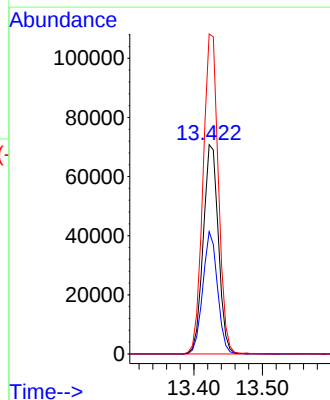
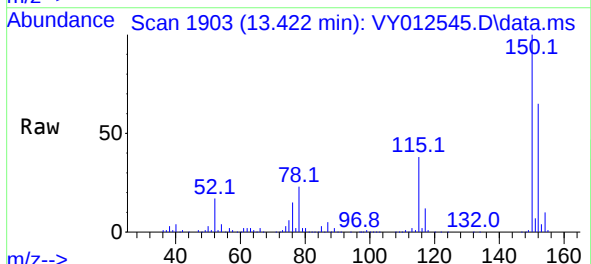
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-16

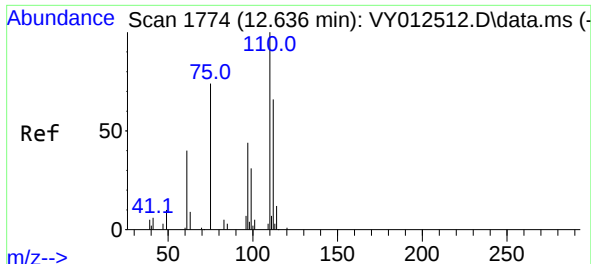
Tgt Ion:117 Resp: 231396
Ion Ratio Lower Upper
117 100
82 51.8 41.7 62.5
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion:152 Resp: 109186
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.3
150 154.7 0.0 351.0

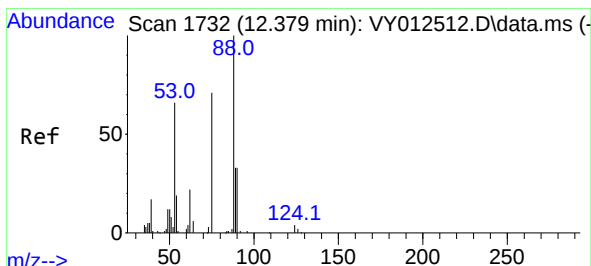
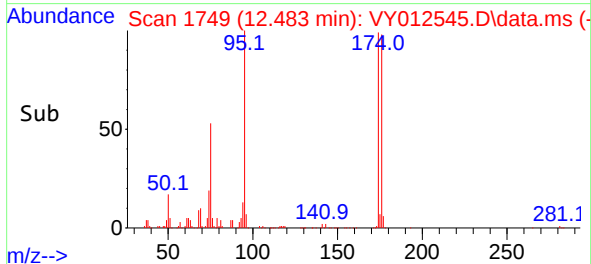
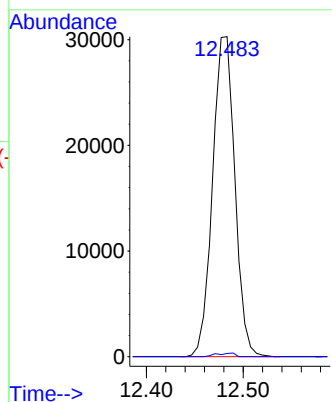
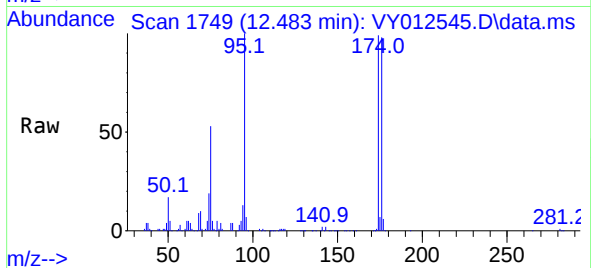




#76
1,2,3-Trichloropropane
Concen: 39.787 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-16

Tgt Ion: 75 Resp: 48535
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.722 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012545.D
Acq: 08 Feb 2023 16:12

Tgt Ion: 75 Resp: 48535
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 39.9 59.9#

