

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011176.D
 Acq On : 29 Oct 2022 00:06
 Operator : KP/MD
 Sample : N5262-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Oct 29 00:47:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	125272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	185095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71131	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87859	67.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.660%
35) Dibromofluoromethane	7.716	113	83392	63.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.640%
50) Toluene-d8	10.179	98	282673	54.178	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.360%
62) 4-Bromofluorobenzene	12.477	95	79049	46.303	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.600%

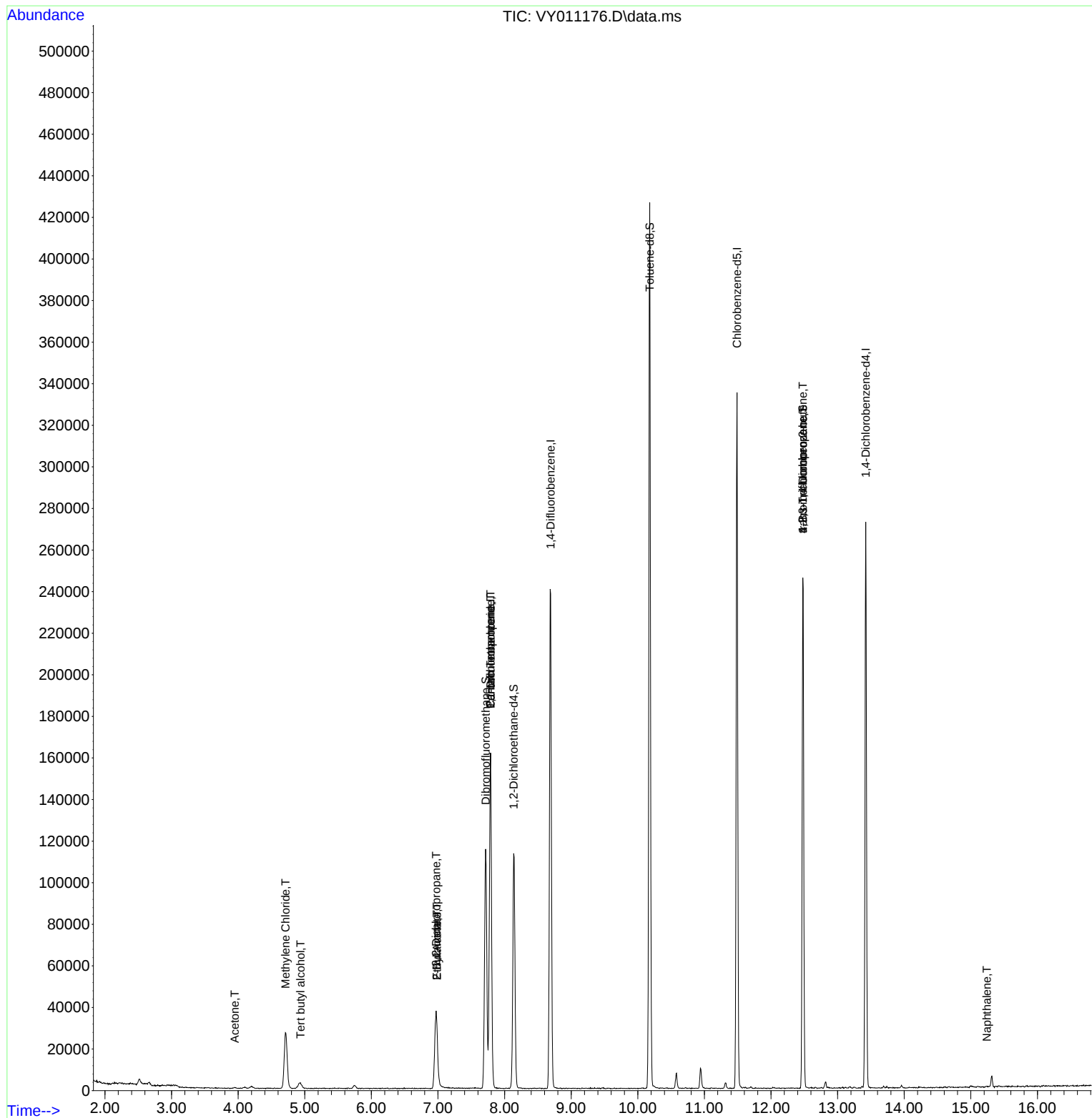
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.113	50	364	Below Cal	#	87
4) Vinyl Chloride	2.497	62	93	Below Cal	#	43
5) Bromomethane	2.662	94	498	Below Cal		89
11) Tert butyl alcohol	4.936	59	3425	23.451	ug/l #	77
16) Acetone	3.948	43	594	1.874	ug/l #	82
17) Carbon Disulfide	4.204	76	50	Below Cal	#	75
18) Methyl Acetate	4.479	43	90	Below Cal	#	56
20) Methylene Chloride	4.710	84	21654	11.329	ug/l #	83
25) 2-Butanone	6.984	43	1945	4.281	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	2790	1.407	ug/l #	55
31) Cyclohexane	7.789	56	2219	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9704	5.652	ug/l #	51
37) Ethyl Acetate	6.984	43	1945	2.002	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12545	6.708	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	39692	53.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39692	113.982	ug/l #	7
95) Naphthalene	15.239	128	514	4.538	ug/l #	69

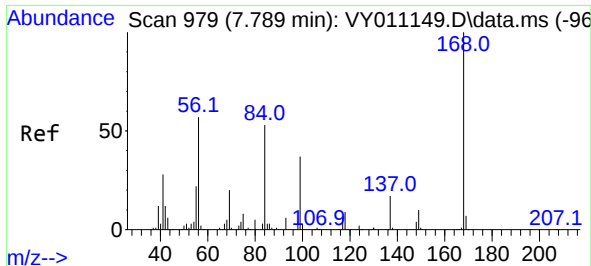
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

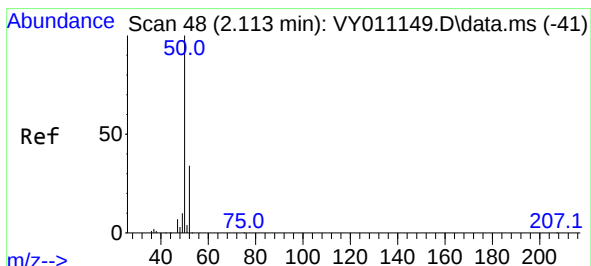
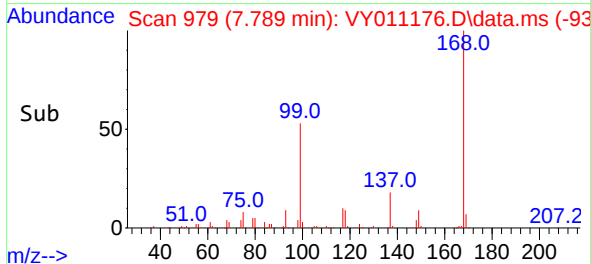
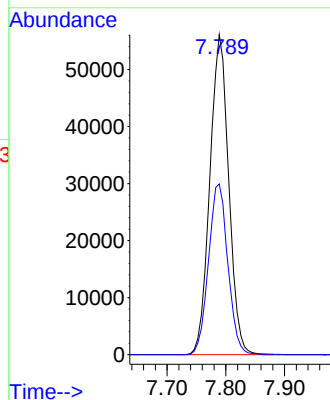
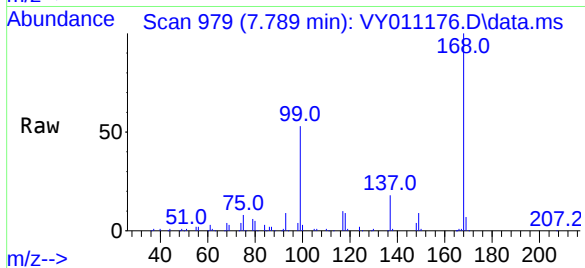




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

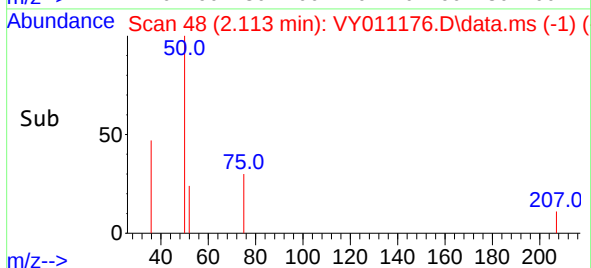
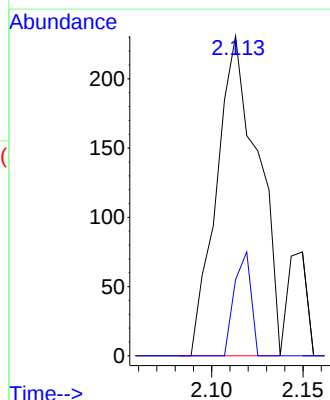
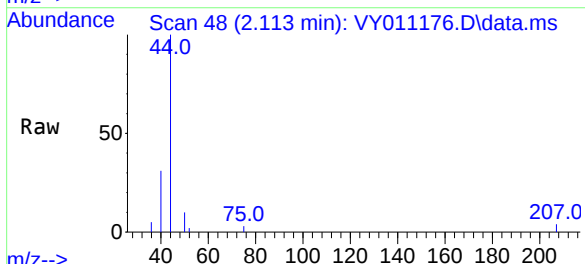
Instrument :
MSVOA_Y
ClientSampleId :
VOC

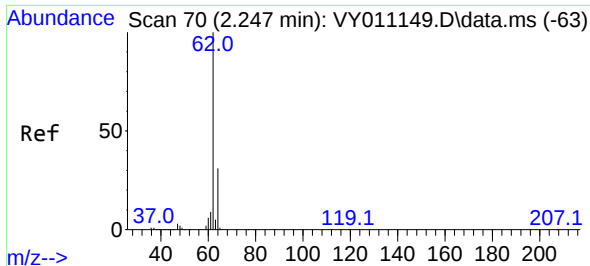
Tgt Ion:168 Resp: 125272
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 50 Resp: 364
Ion Ratio Lower Upper
50 100
52 23.8 24.6 37.0#

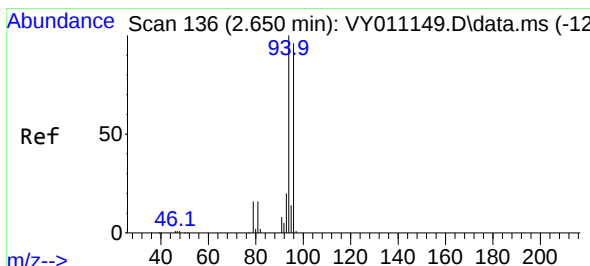
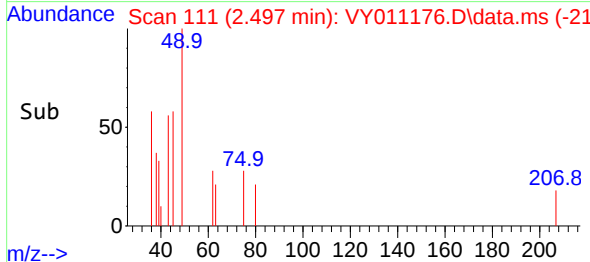
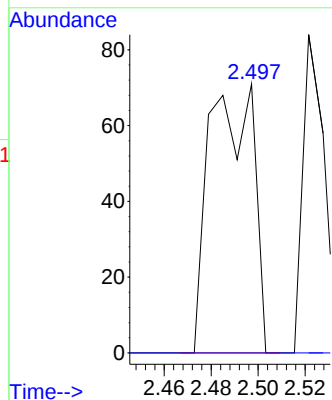
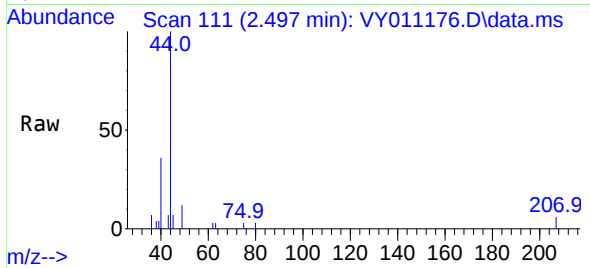




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.497 min Scan# 11
 Delta R.T. 0.250 min
 Lab File: VY011176.D
 Acq: 29 Oct 2022 00:06

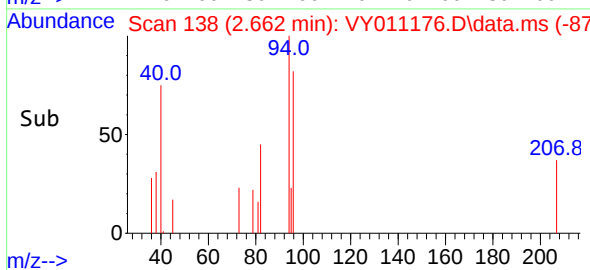
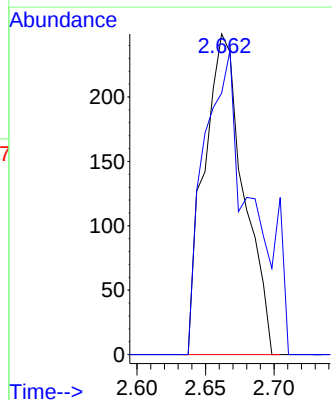
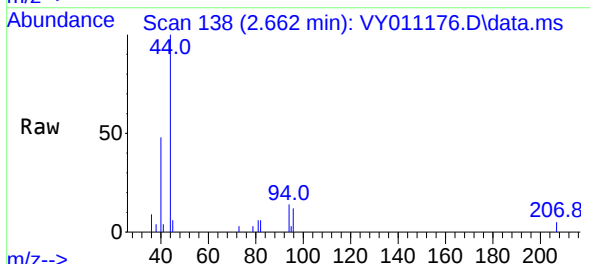
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

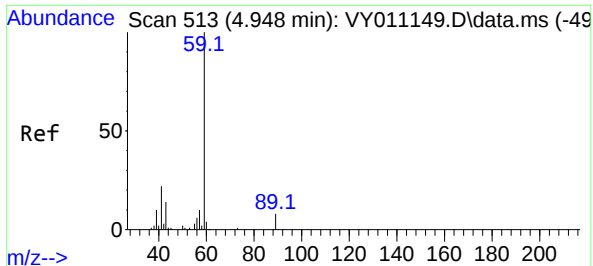
Tgt Ion: 62 Resp: 93
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011176.D
 Acq: 29 Oct 2022 00:06

Tgt Ion: 94 Resp: 498
 Ion Ratio Lower Upper
 94 100
 96 81.5 73.5 110.3

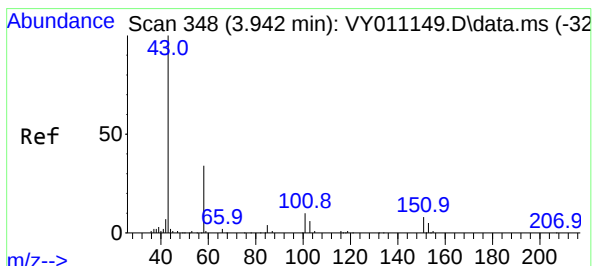
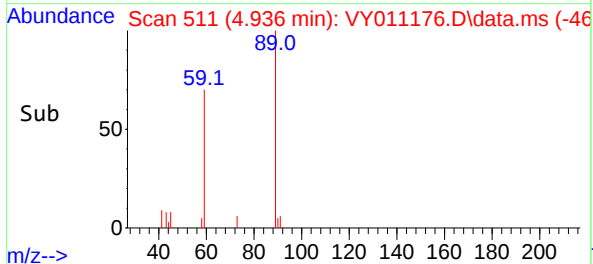
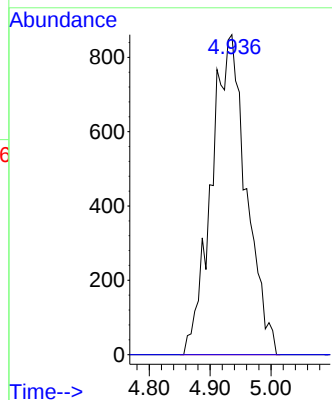
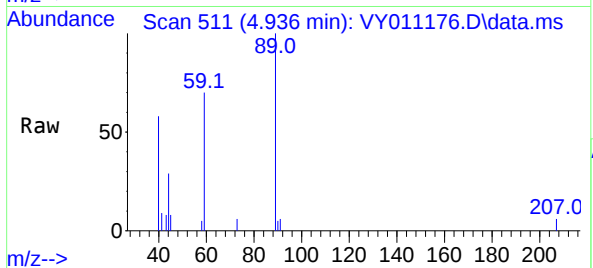




#11
Tert butyl alcohol
Concen: 23.451 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

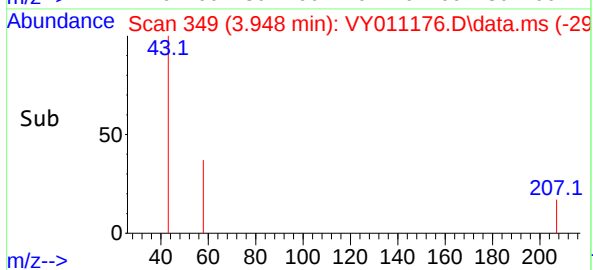
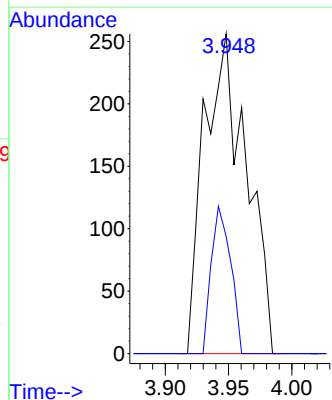
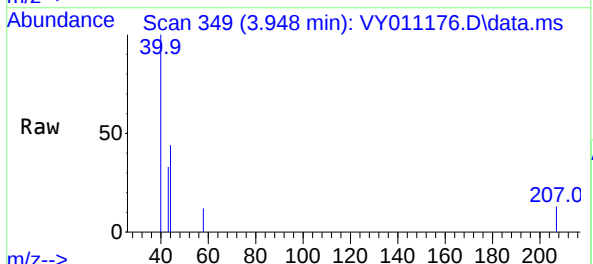
Instrument :
MSVOA_Y
ClientSampleId :
VOC

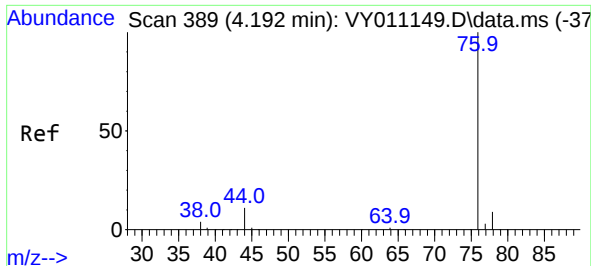
Tgt Ion: 59 Resp: 3425
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.874 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 36.7 22.0 33.0#

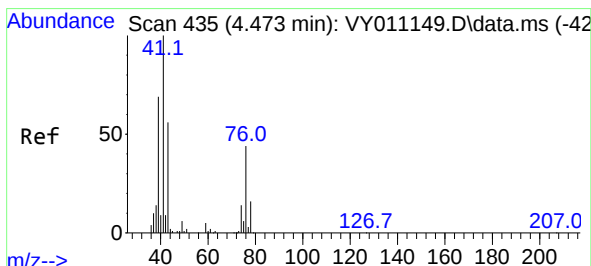
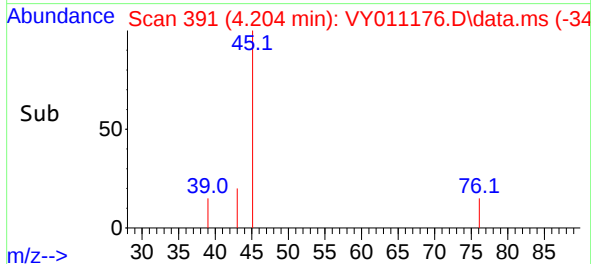
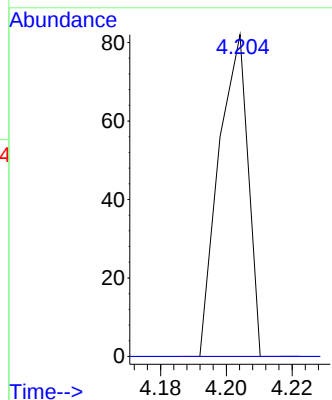
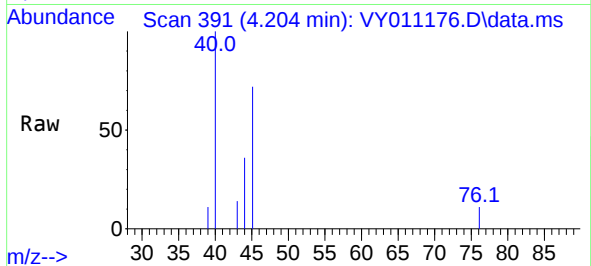




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

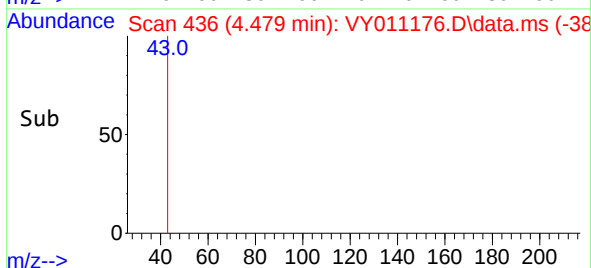
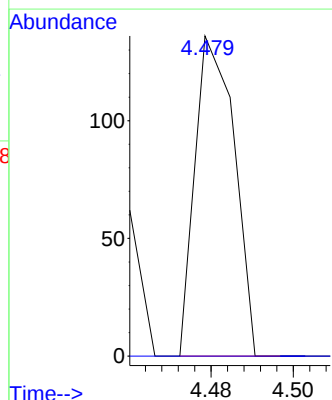
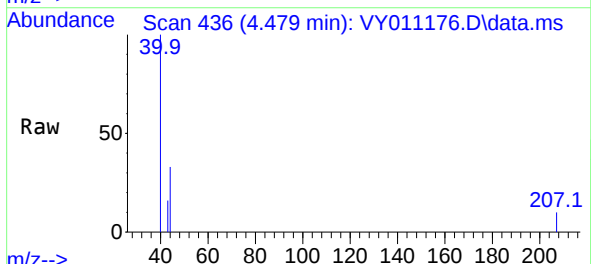
Instrument :
MSVOA_Y
ClientSampleId :
VOC

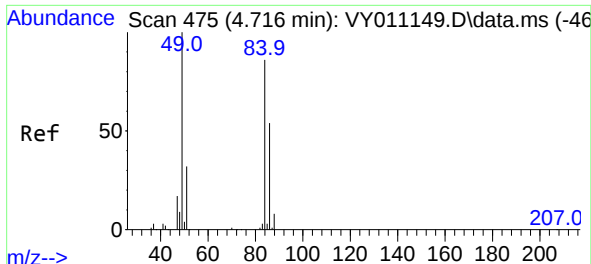
Tgt Ion: 76 Resp: 50
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



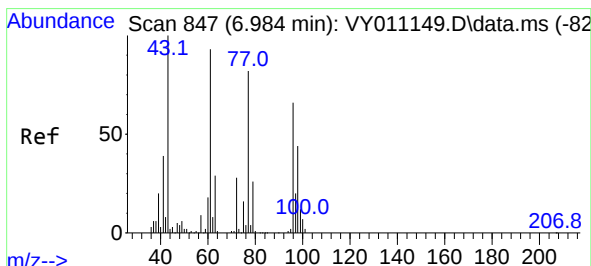
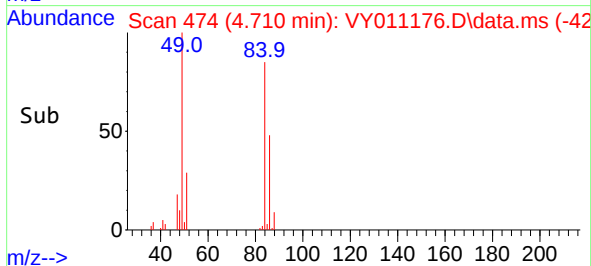
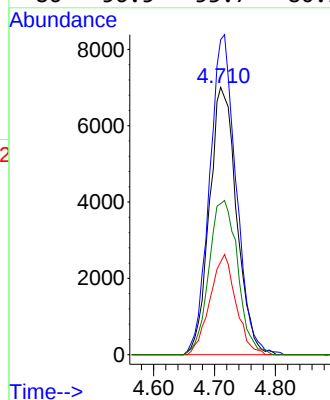
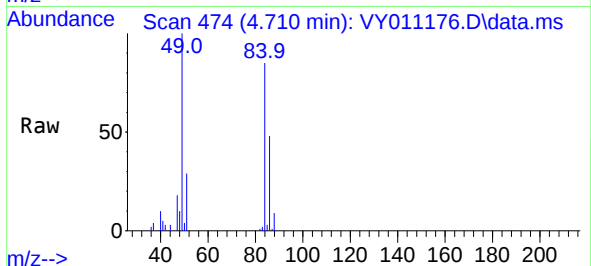


#20
Methylene Chloride
Concen: 11.329 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 84 Resp: 21654

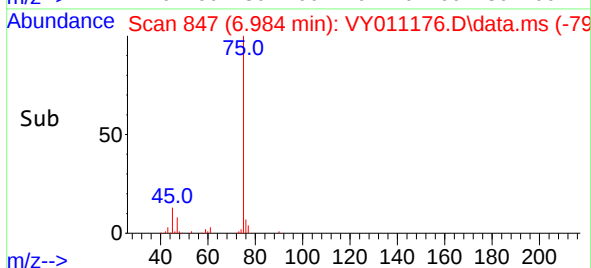
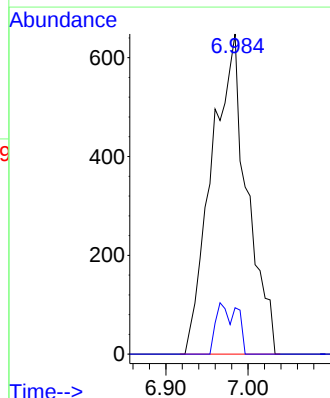
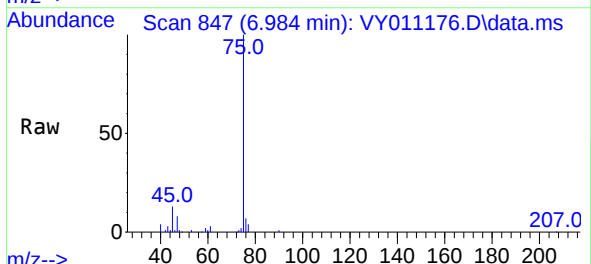
Ion	Ratio	Lower	Upper
84	100		
49	117.8	114.4	171.6
51	34.7	35.3	52.9#
86	56.5	53.7	80.5

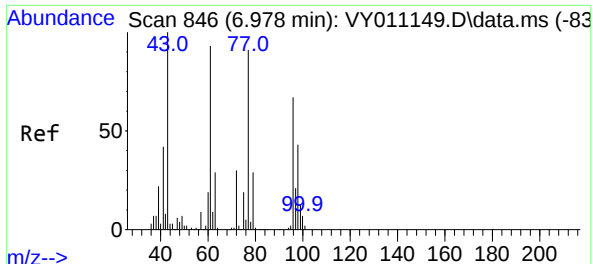


#25
2-Butanone
Concen: 4.281 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 43 Resp: 1945

Ion	Ratio	Lower	Upper
43	100		
72	14.5	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.407 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

Instrument :

MSVOA_Y

ClientSampleId :

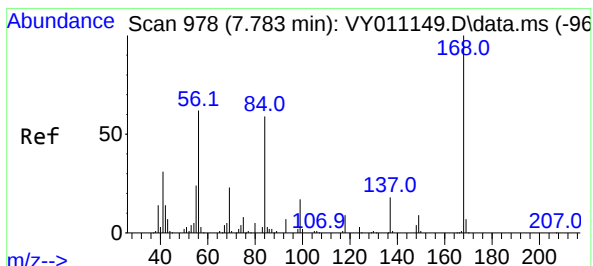
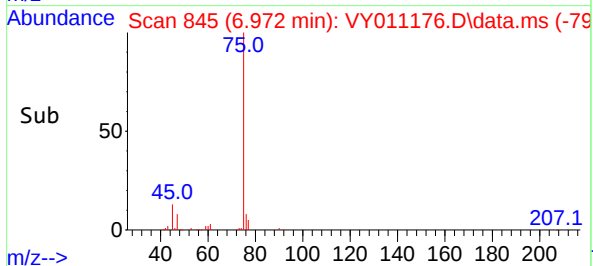
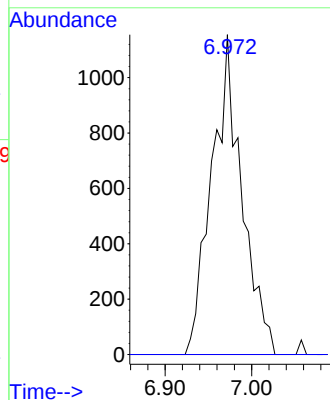
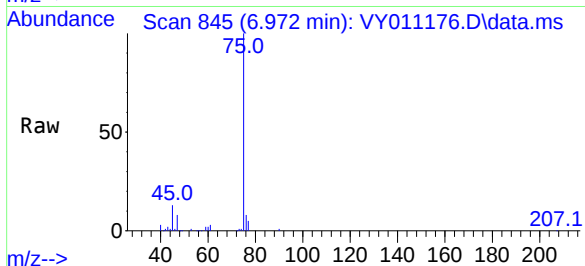
VOC

Tgt Ion: 77 Resp: 2790

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

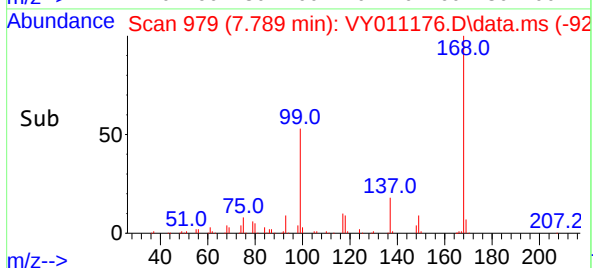
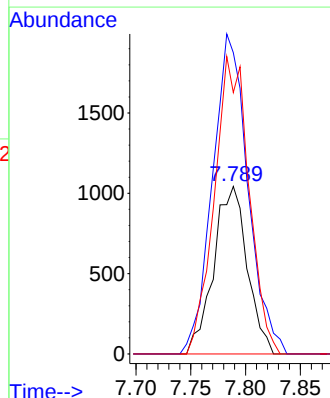
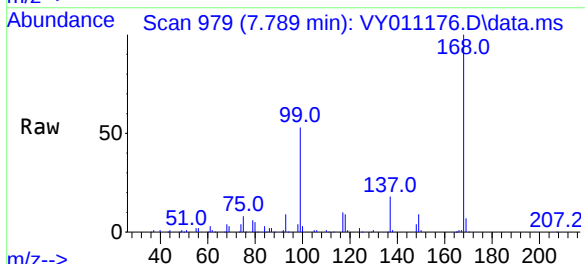
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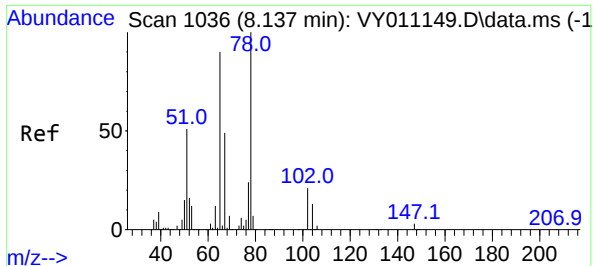
Ion Ratio Lower Upper

56 100

69 179.8 26.7 40.1#

84 165.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.827 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

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ClientSampleId :

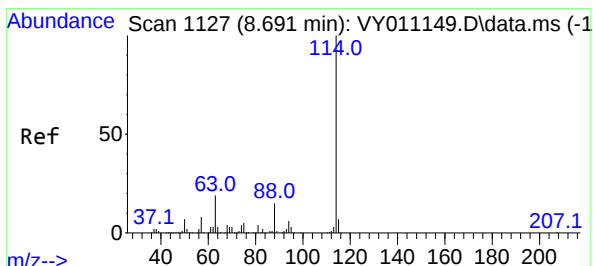
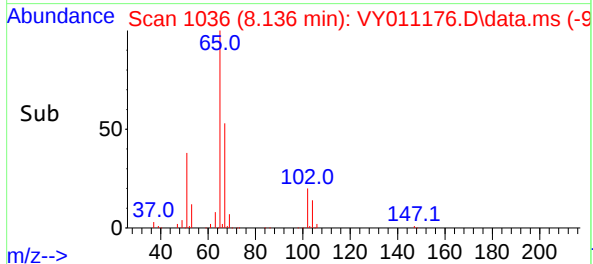
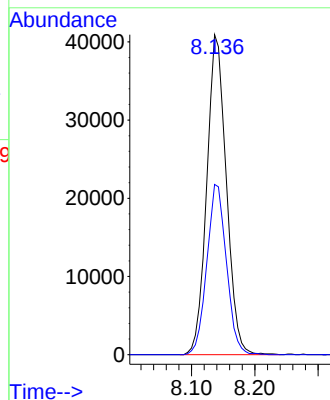
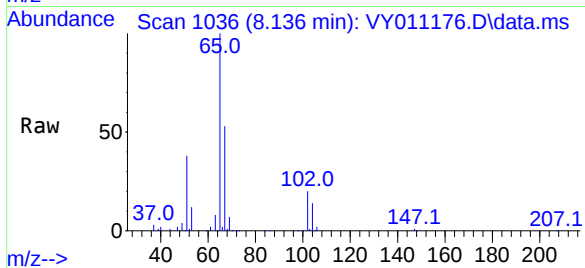
VOC

Tgt Ion: 65 Resp: 87859

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

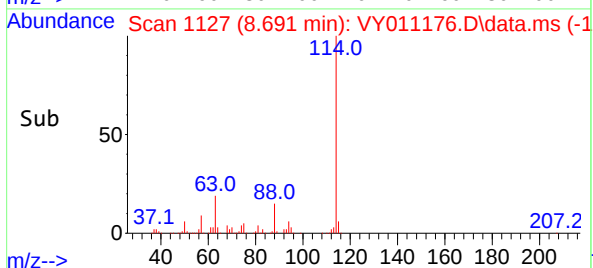
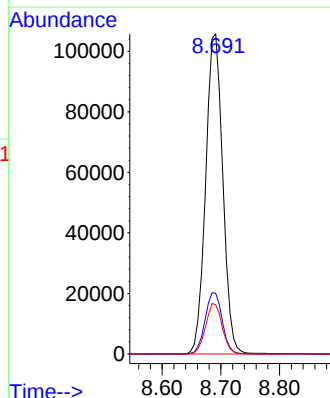
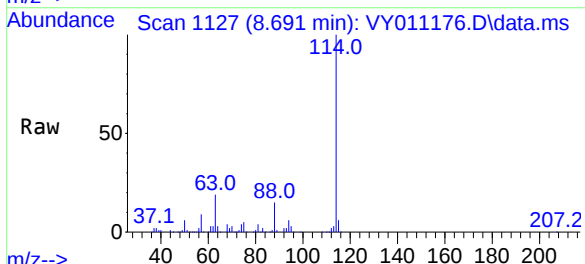
Tgt Ion: 114 Resp: 214158

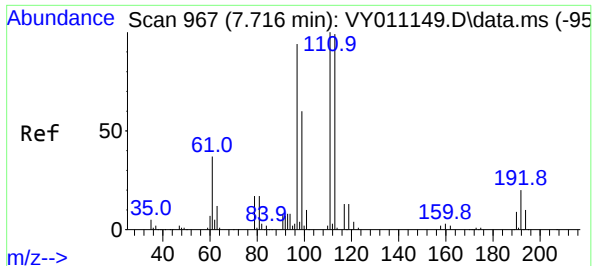
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.4 0.0 31.8

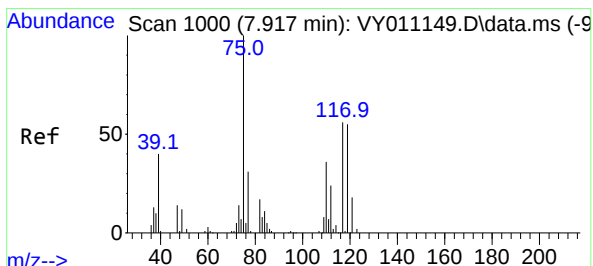
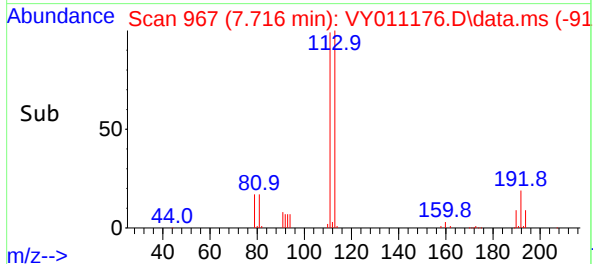
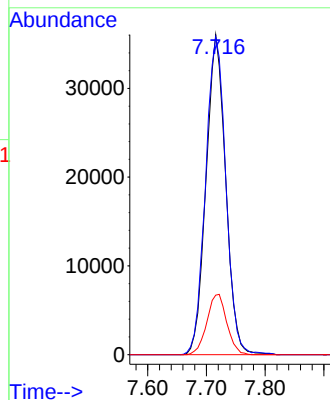
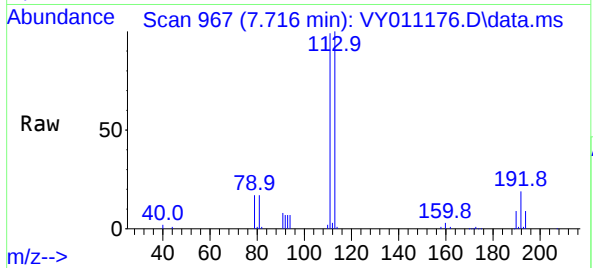




#35
Dibromofluoromethane
Concen: 63.320 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

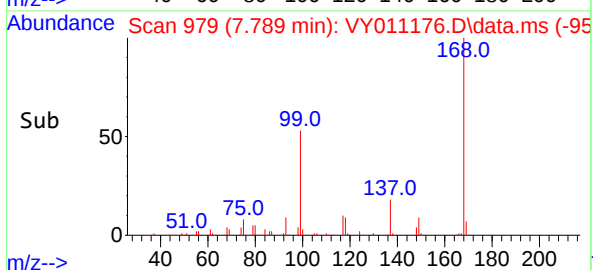
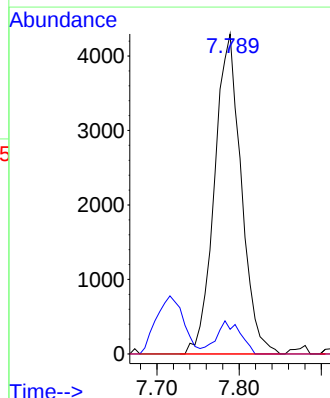
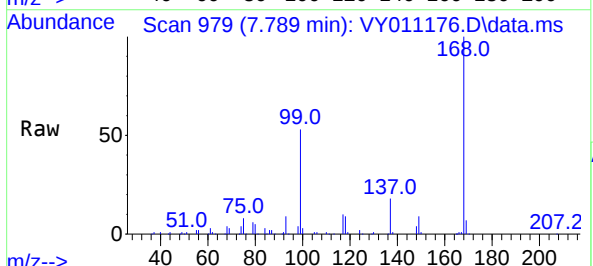
Instrument :
MSVOA_Y
ClientSampleId :
VOC

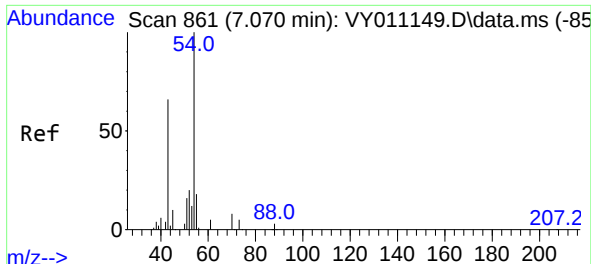
Tgt Ion:113 Resp: 83392
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.652 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 75 Resp: 9704
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.002 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

Instrument :

MSVOA_Y

ClientSampleId :

VOC

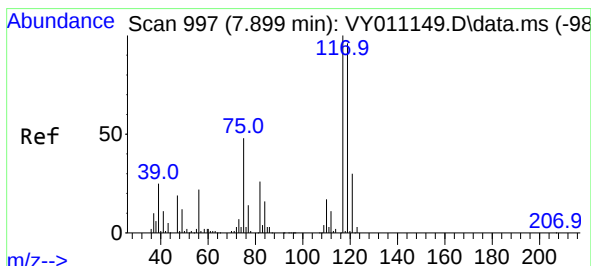
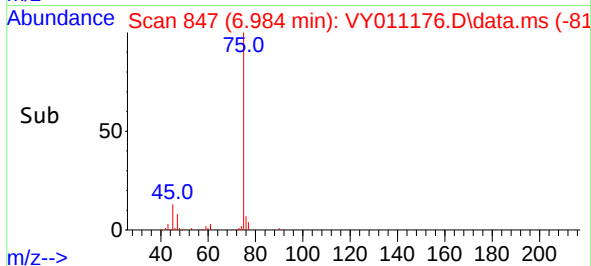
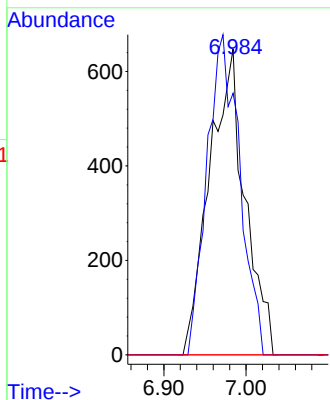
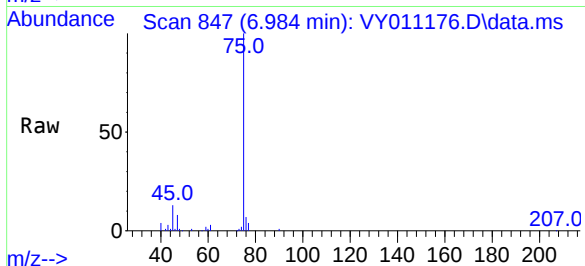
Tgt Ion: 43 Resp: 1945

Ion Ratio Lower Upper

43 100

61 96.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011176.D

Acq: 29 Oct 2022 00:06

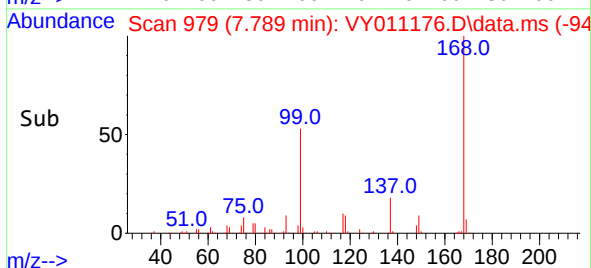
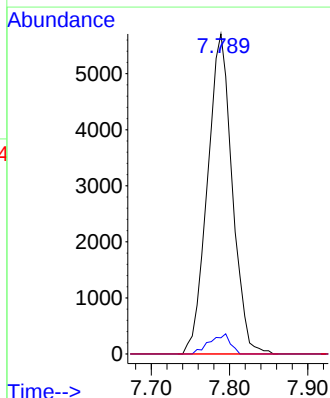
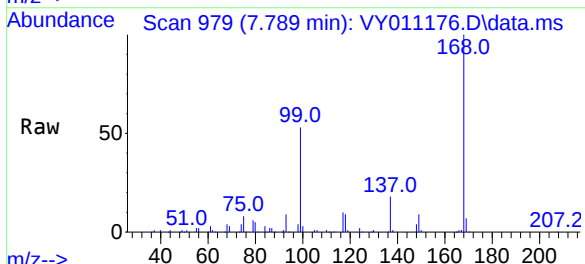
Tgt Ion: 117 Resp: 12545

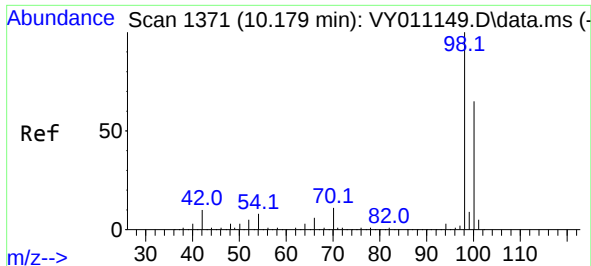
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

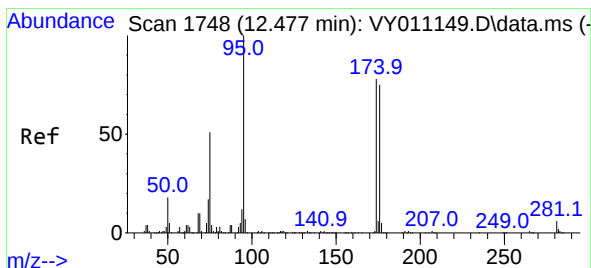
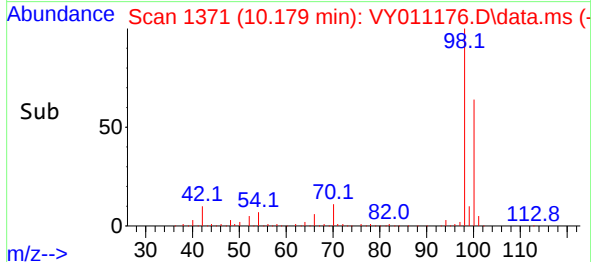
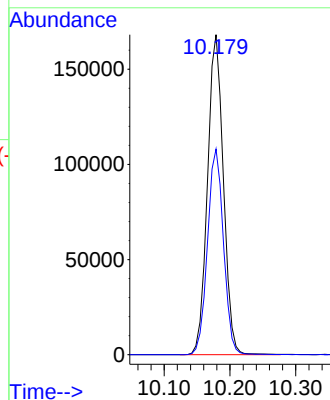
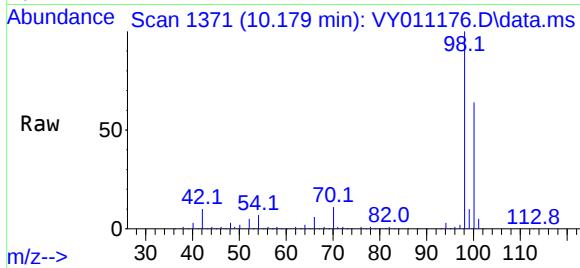




#50
Toluene-d8
Concen: 54.178 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

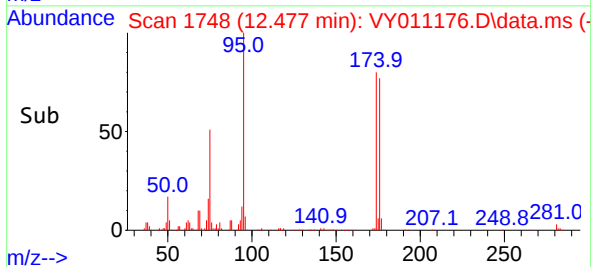
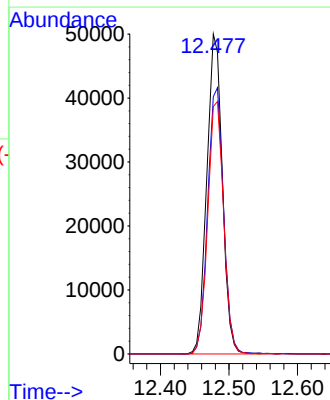
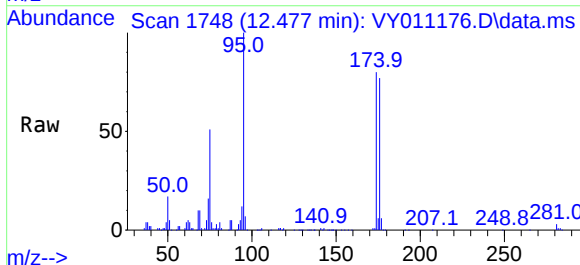
Instrument :
MSVOA_Y
ClientSampleId :
VOC

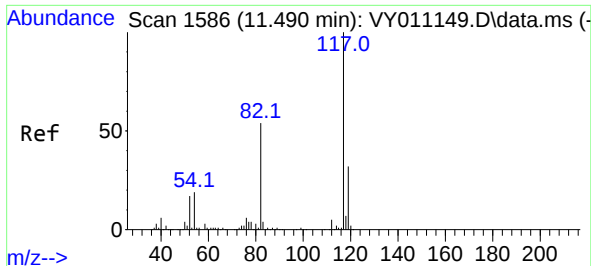
Tgt Ion: 98 Resp: 282673
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.303 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 95 Resp: 79049
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 80.5 0.0 175.8

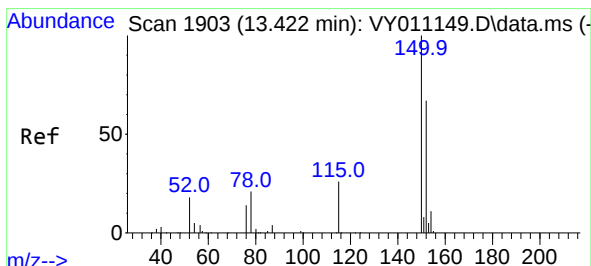
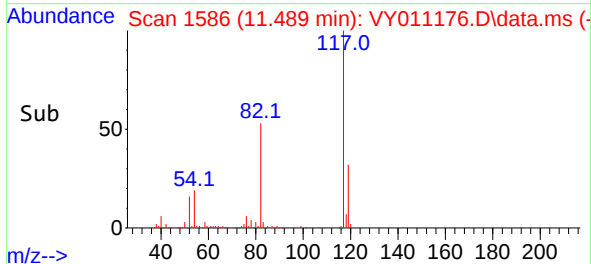
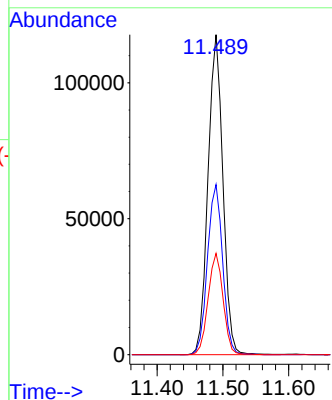
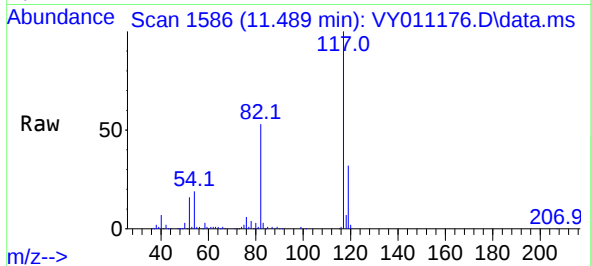




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

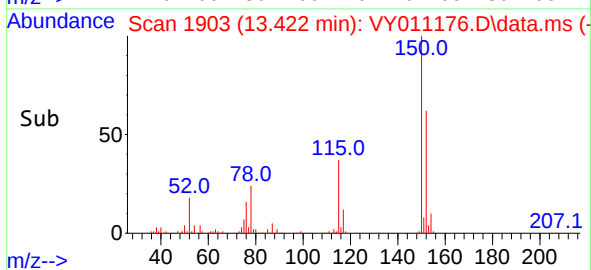
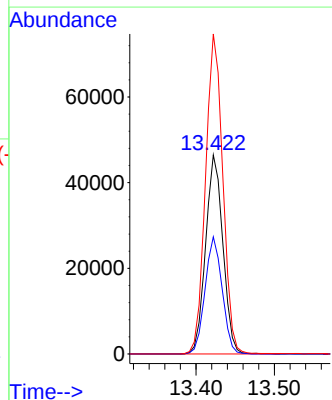
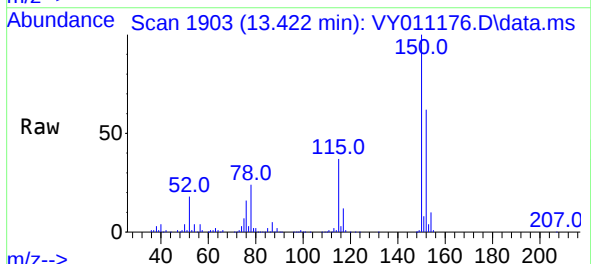
Instrument :
MSVOA_Y
ClientSampleId :
VOC

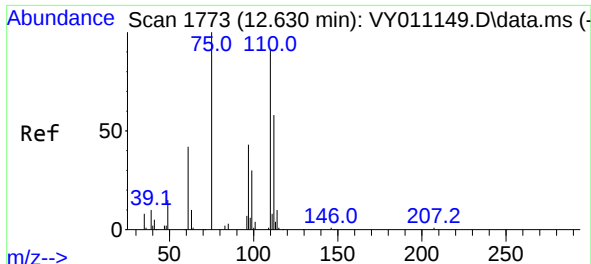
Tgt Ion:117 Resp: 185095
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion:152 Resp: 71131
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 160.8 0.0 347.6

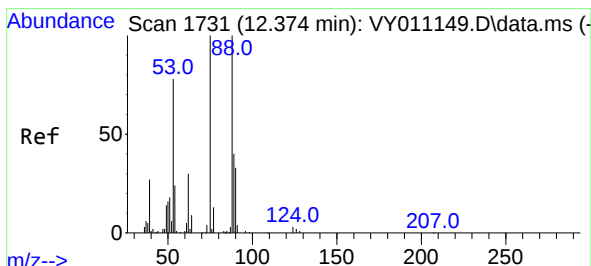
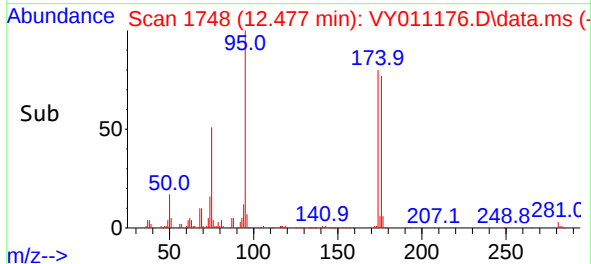
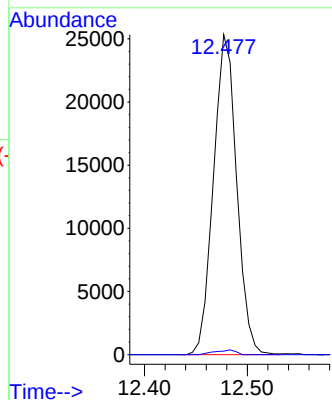
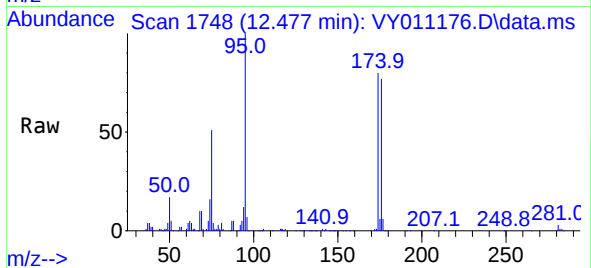




#76
1,2,3-Trichloropropane
Concen: 53.672 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

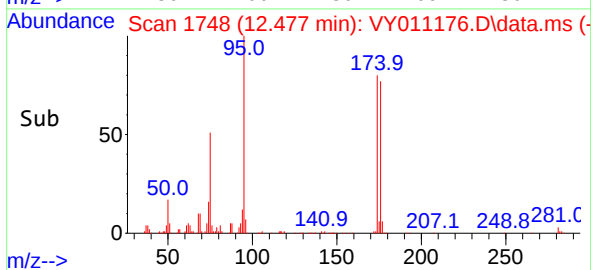
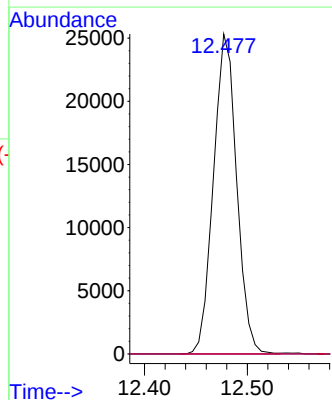
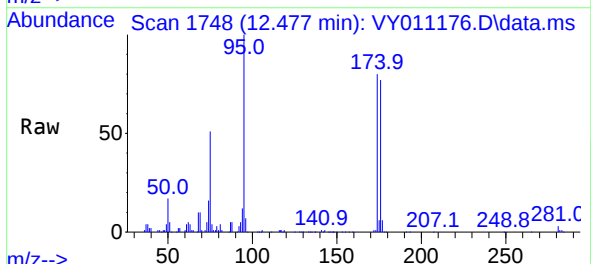
Instrument :
MSVOA_Y
ClientSampleId :
VOC

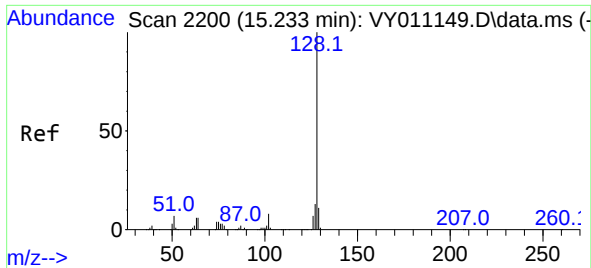
Tgt Ion: 75 Resp: 39692
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.982 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Tgt Ion: 75 Resp: 39692
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.538 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011176.D
Acq: 29 Oct 2022 00:06

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:	128	Resp:	514
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

