

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011227.D
 Acq On : 01 Nov 2022 17:13
 Operator : KP/MD
 Sample : N5380-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-E

Quant Time: Nov 02 01:43:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

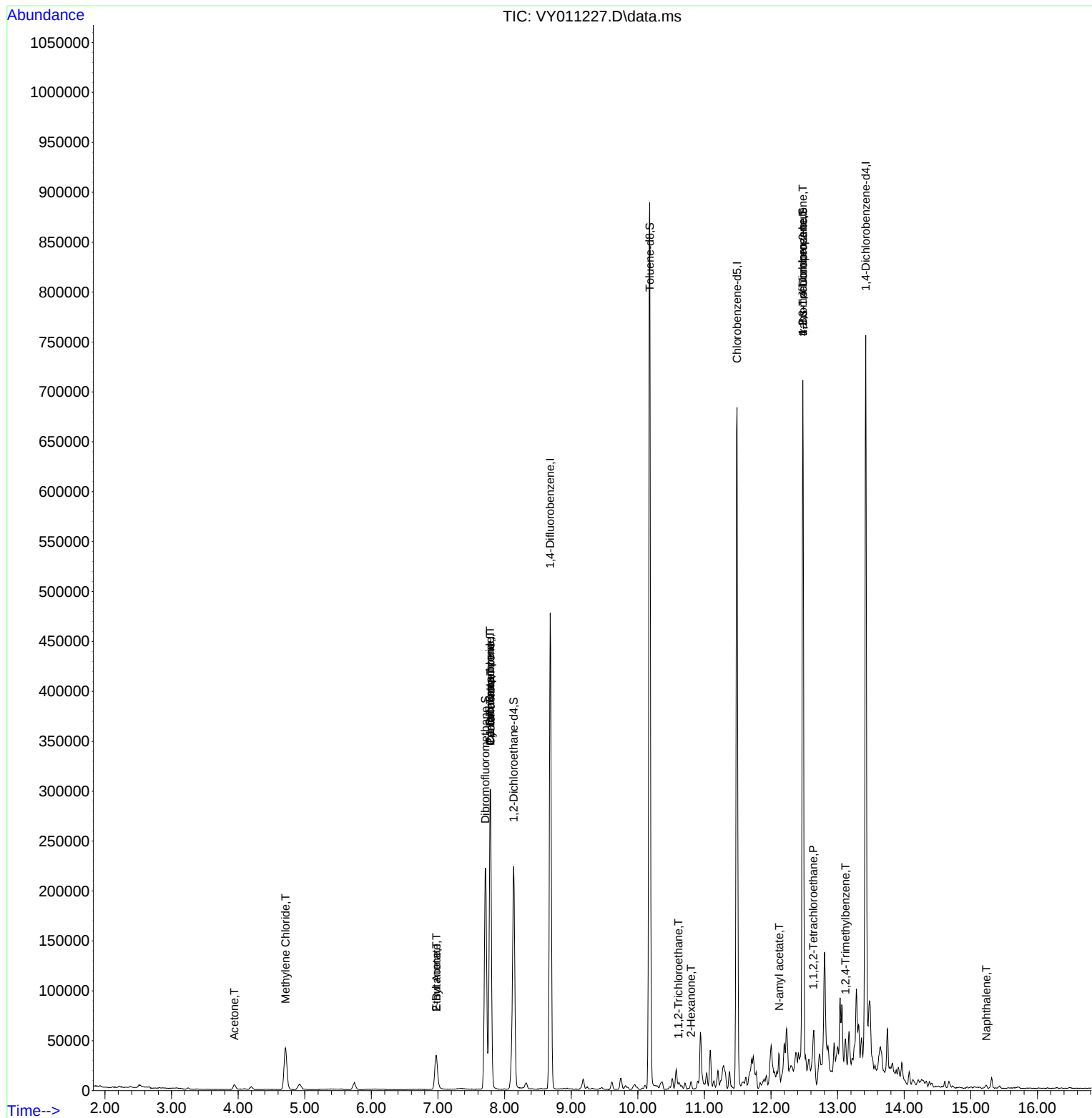
Internal Standards						
1) Pentafluorobenzene	7.789	168	235002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	415660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	388548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	159214	63.347	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 126.700%		
35) Dibromofluoromethane	7.710	113	164335	61.535	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 123.060%		
50) Toluene-d8	10.179	98	591584	57.054	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 114.100%		
62) 4-Bromofluorobenzene	12.477	95	216858	60.244	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 120.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	274	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	5596	Below Cal	#	77
13) Acrolein	3.741	56	24	Below Cal	#	14
16) Acetone	3.942	43	8831	11.640	ug/l	92
20) Methylene Chloride	4.710	84	32841	6.177	ug/l #	85
25) 2-Butanone	6.978	43	3488	3.267	ug/l	99
31) Cyclohexane	7.789	56	4796	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17885	4.101	ug/l #	50
37) Ethyl Acetate	6.978	43	3488	1.484	ug/l #	33
38) Carbon Tetrachloride	7.783	117	22747	5.027	ug/l #	16
55) 1,1,2-Trichloroethane	10.611	97	2742	1.069	ug/l #	23
59) 2-Hexanone	10.800	43	3102	1.929	ug/l #	32
74) N-amyl acetate	12.123	43	6735	1.889	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.635	83	3813	1.298	ug/l #	91
76) 1,2,3-Trichloropropane	12.477	75	106544	46.077	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	106544	98.610	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	14094	1.186	ug/l	98
95) Naphthalene	15.233	128	3006	4.296	ug/l #	95

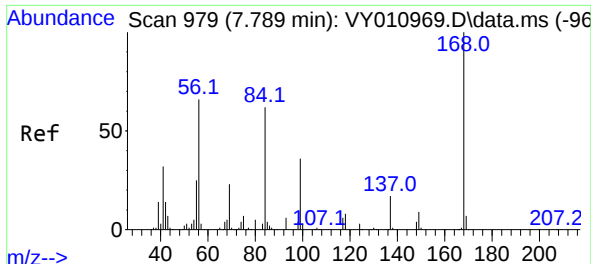
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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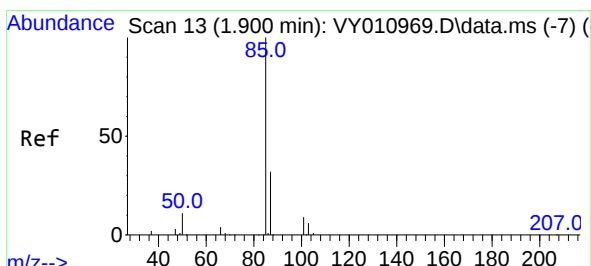
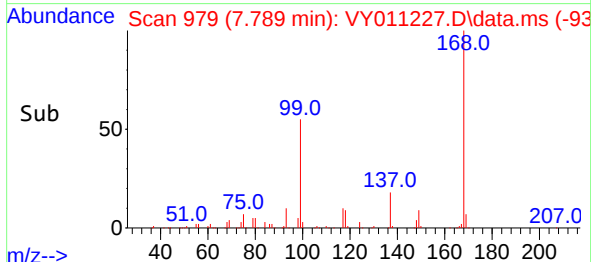
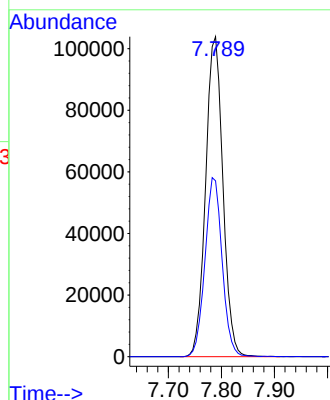
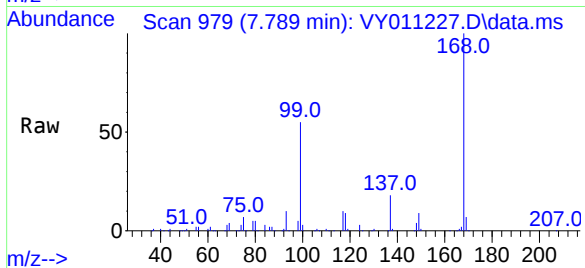




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

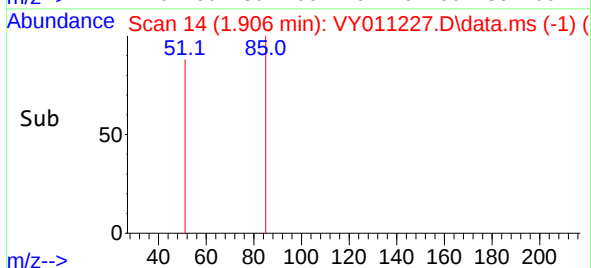
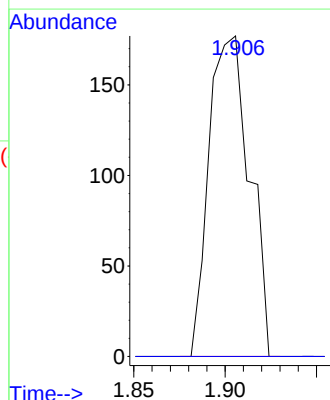
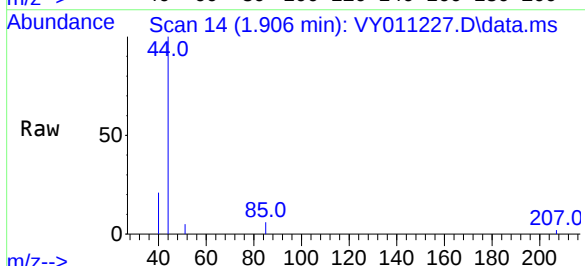
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

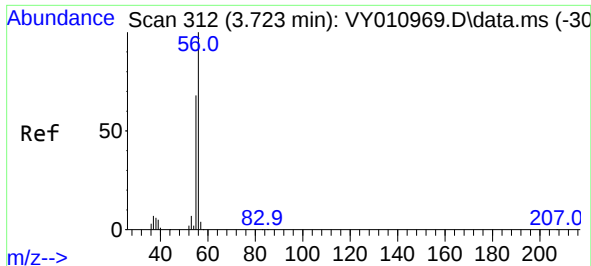
Tgt Ion:168 Resp: 235002
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 85 Resp: 274
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

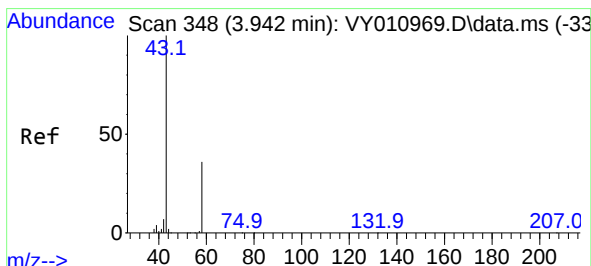
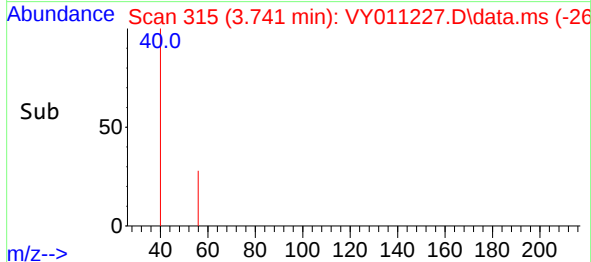
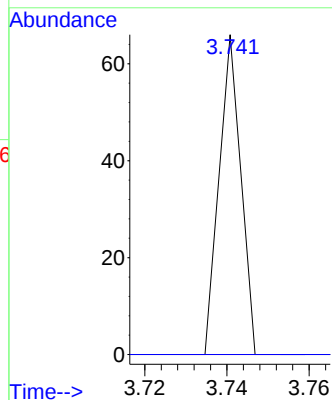
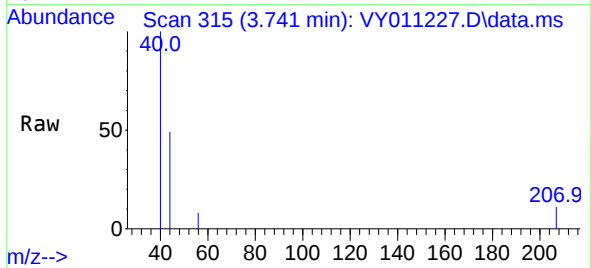




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 312
Delta R.T. 0.018 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

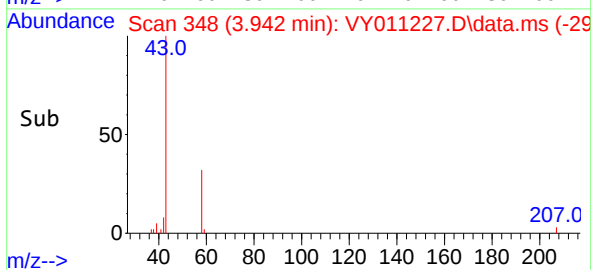
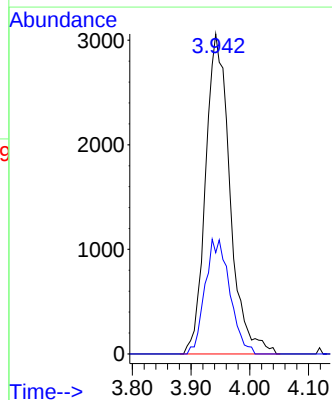
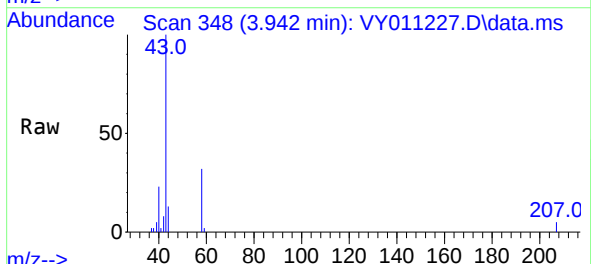
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

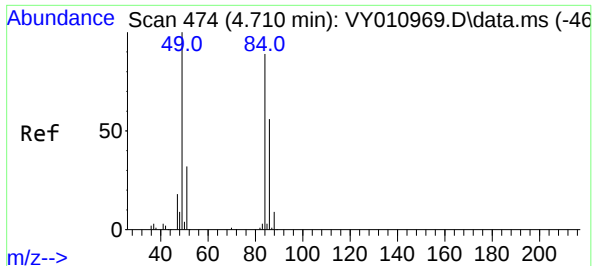
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 11.640 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 43 Resp: 8831
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0

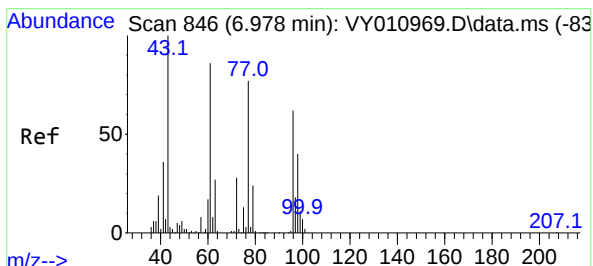
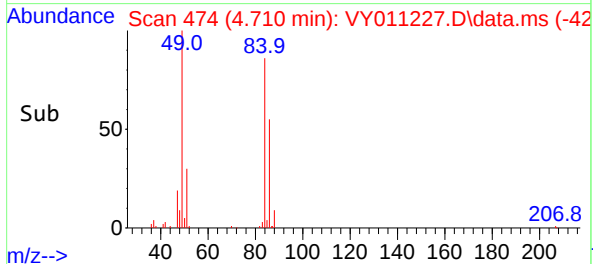
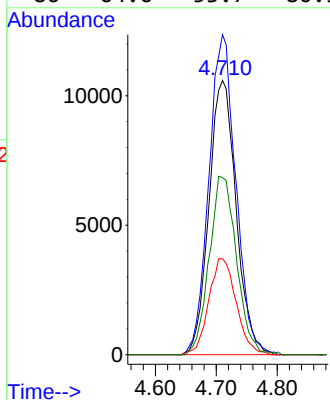
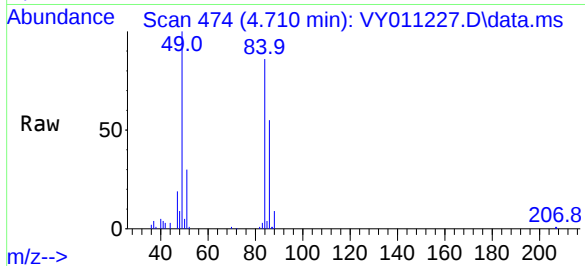




#20
Methylene Chloride
Concen: 6.177 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

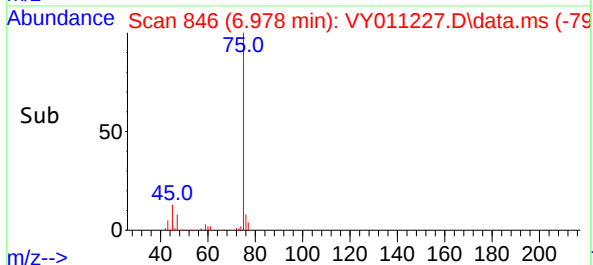
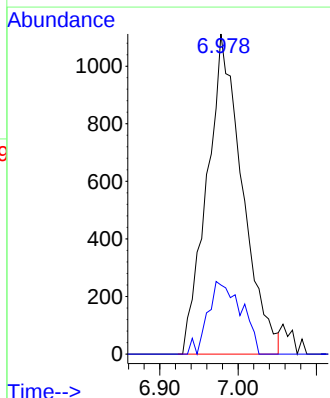
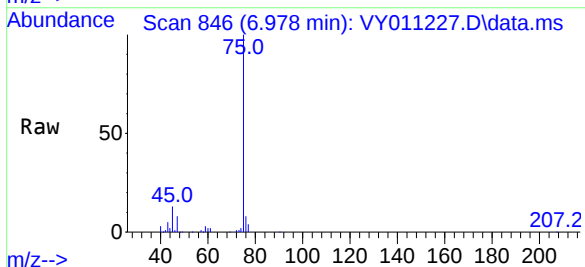
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

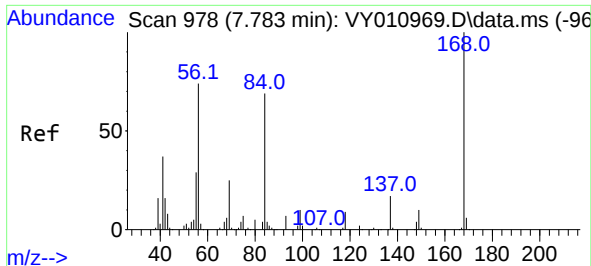
Tgt Ion: 84 Resp: 32841
Ion Ratio Lower Upper
84 100
49 116.7 114.4 171.6
51 35.0 35.3 52.9#
86 64.6 53.7 80.5



#25
2-Butanone
Concen: 3.267 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
72 21.6 17.7 26.5

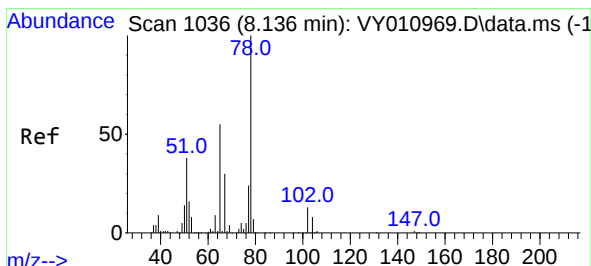
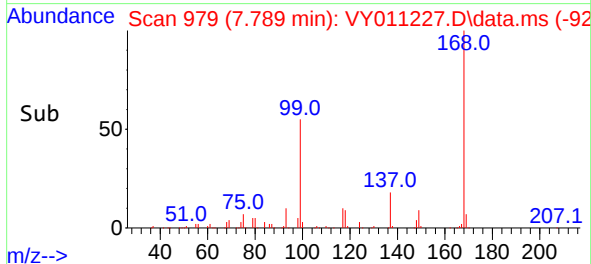
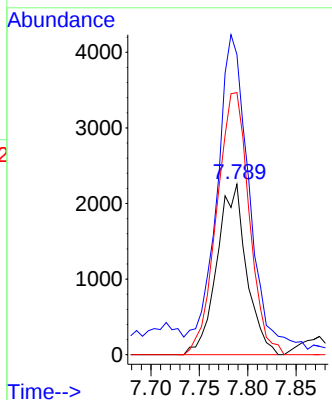
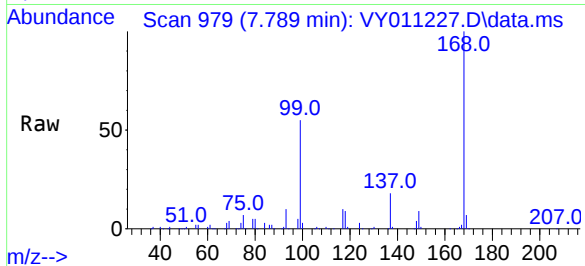




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

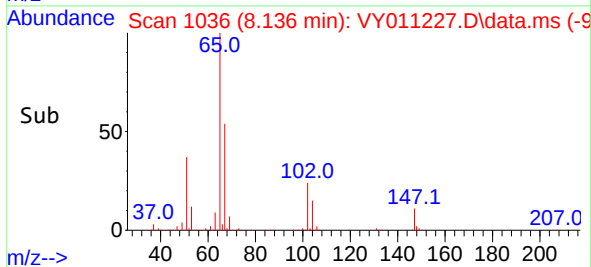
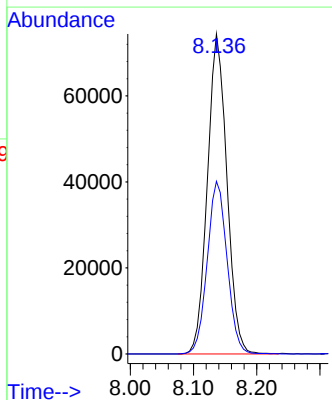
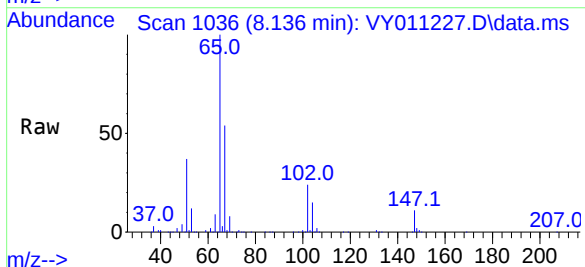
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

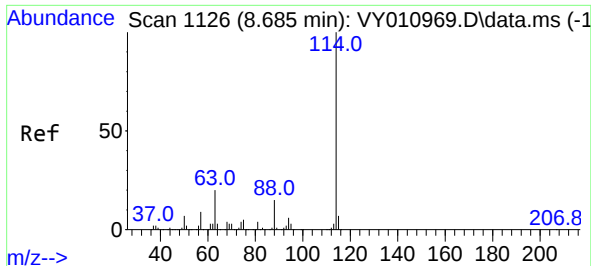
Tgt Ion: 56 Resp: 4796
Ion Ratio Lower Upper
56 100
69 165.4 26.7 40.1#
84 153.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.347 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 65 Resp: 159214
Ion Ratio Lower Upper
65 100
67 54.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011227.D

Acq: 01 Nov 2022 17:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-E

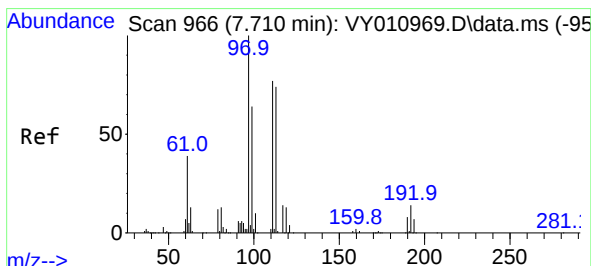
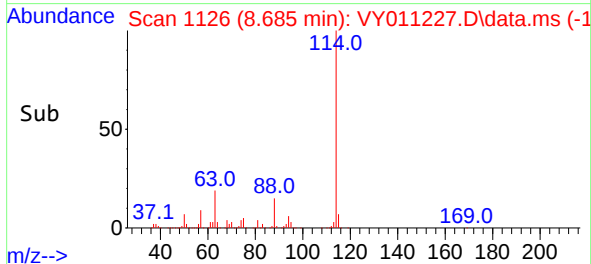
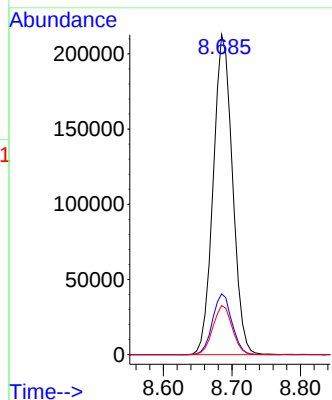
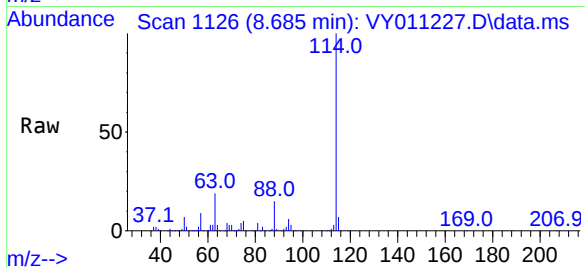
Tgt Ion:114 Resp: 415660

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.535 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011227.D

Acq: 01 Nov 2022 17:13

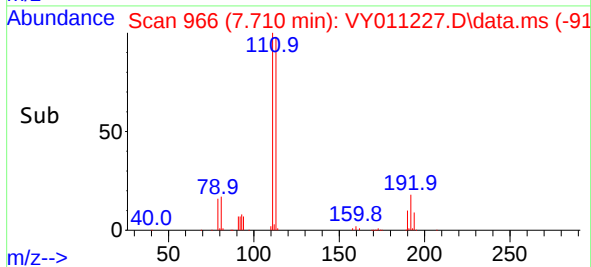
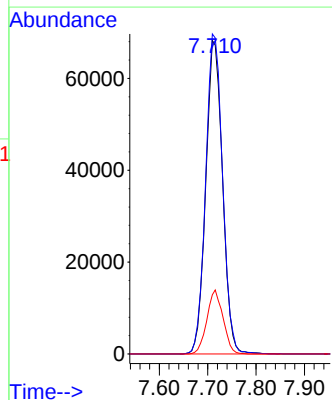
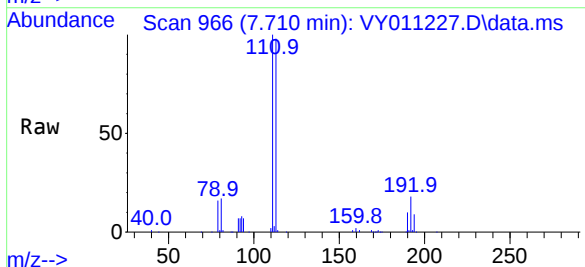
Tgt Ion:113 Resp: 164335

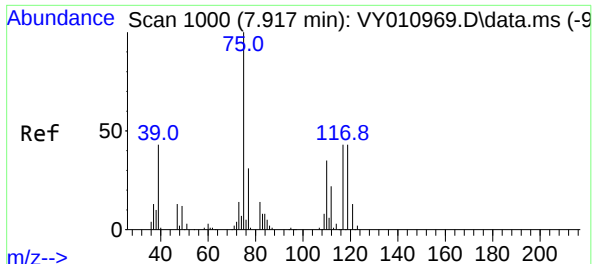
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.101 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011227.D

Acq: 01 Nov 2022 17:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-E

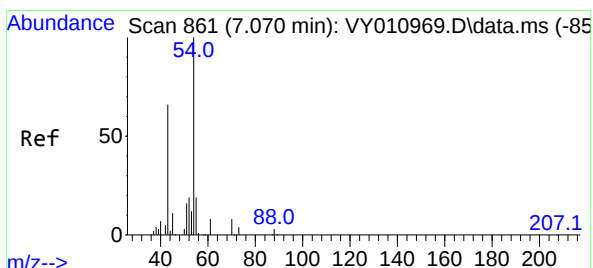
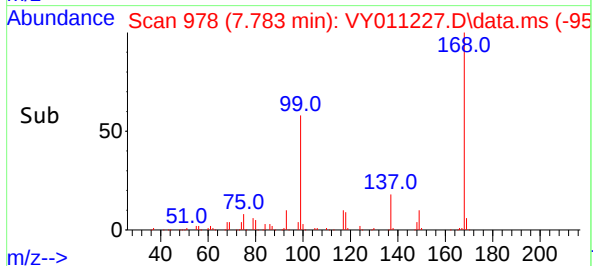
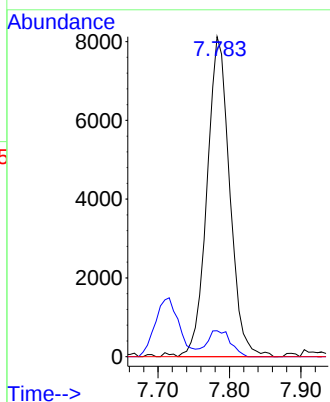
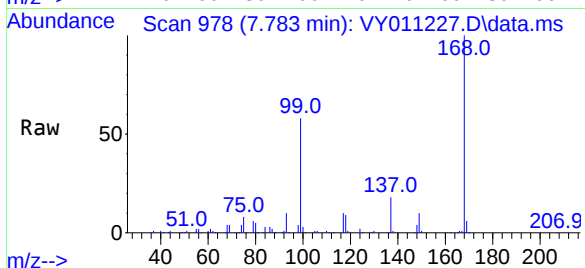
Tgt Ion: 75 Resp: 17885

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.484 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011227.D

Acq: 01 Nov 2022 17:13

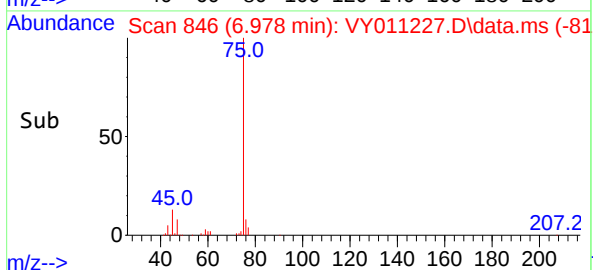
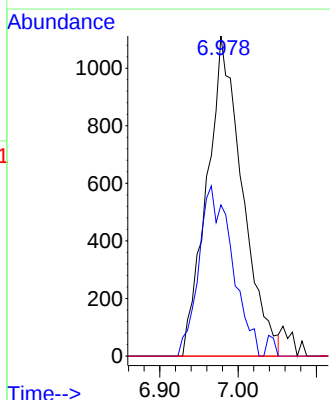
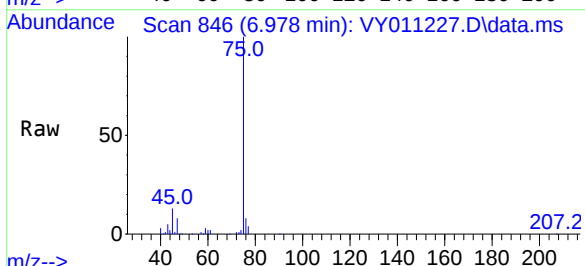
Tgt Ion: 43 Resp: 3488

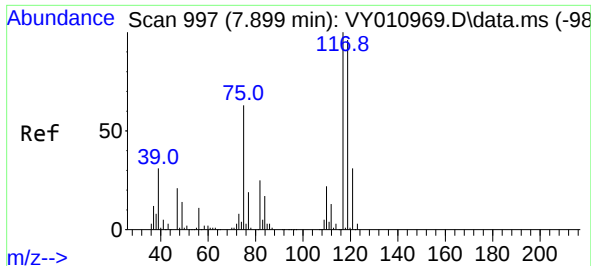
Ion Ratio Lower Upper

43 100

61 50.2 9.7 14.5#

70 0.0 7.1 10.7#

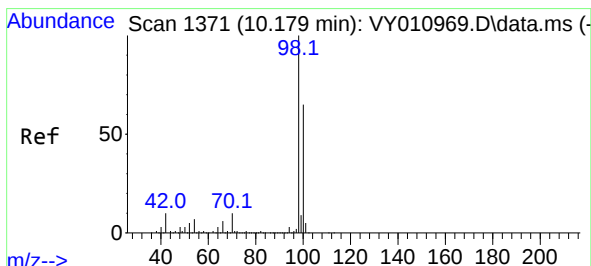
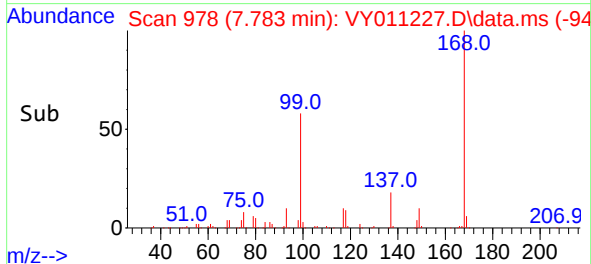
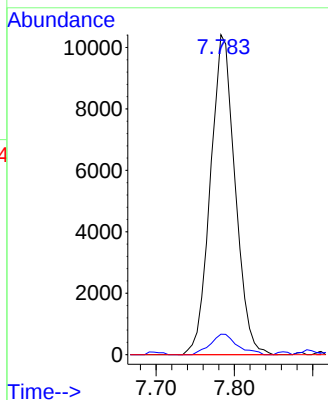
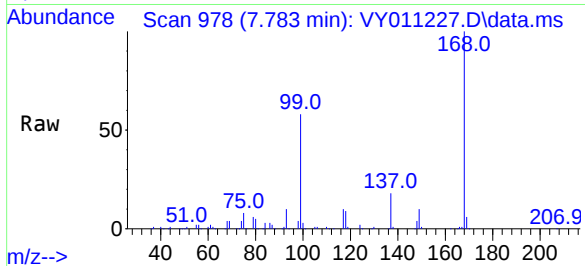




#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

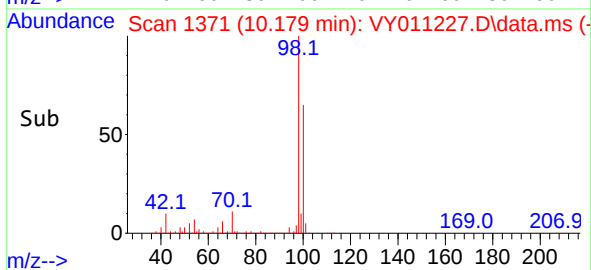
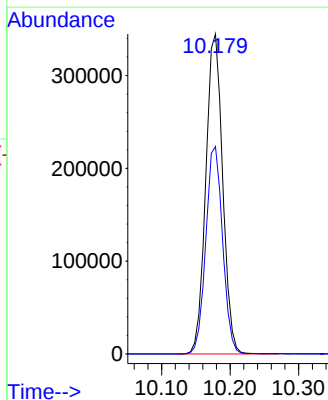
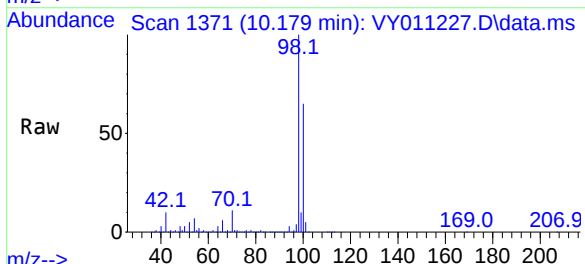
Instrument :
MSVOA_Y
ClientSampleId :
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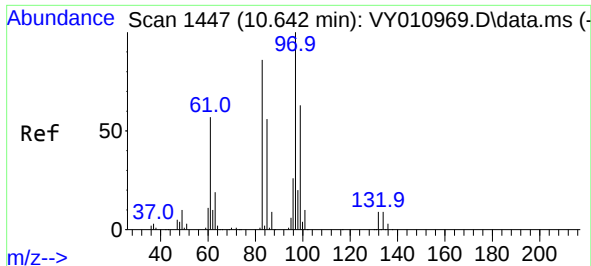
Tgt Ion:117 Resp: 22747
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 57.054 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 98 Resp: 591584
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

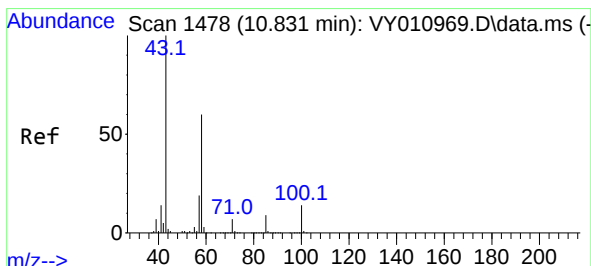
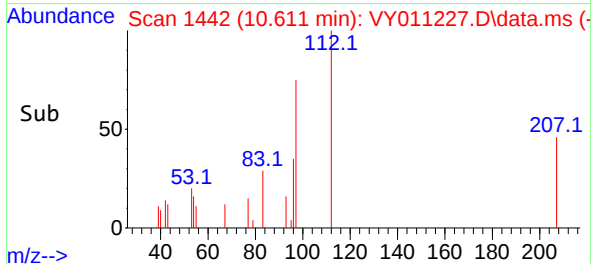
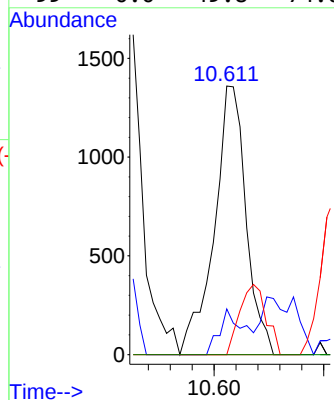
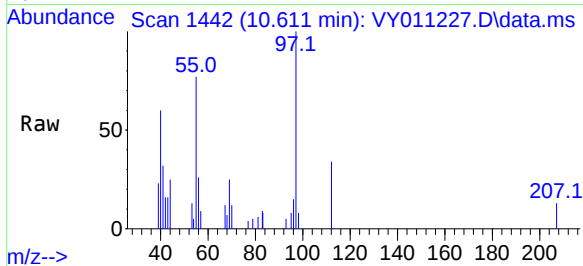




#55
1,1,2-Trichloroethane
Concen: 1.069 ug/l
RT: 10.611 min Scan# 1442
Delta R.T. -0.031 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

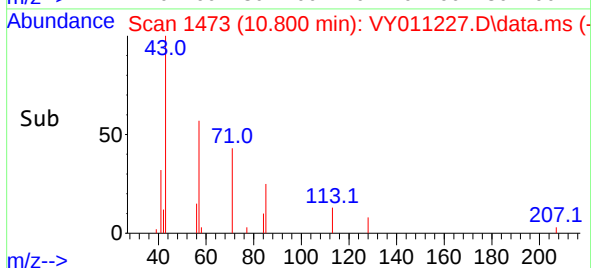
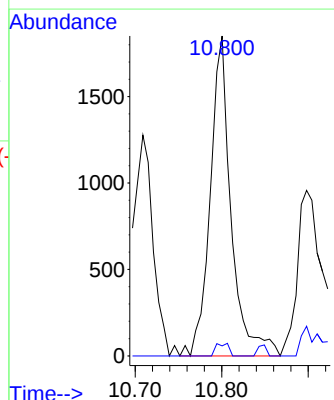
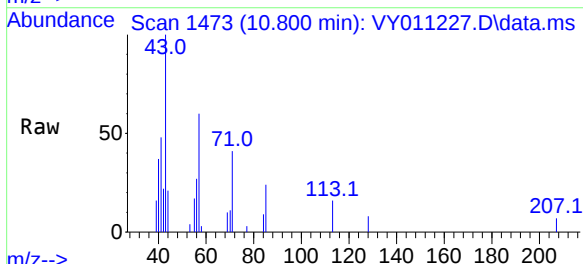
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

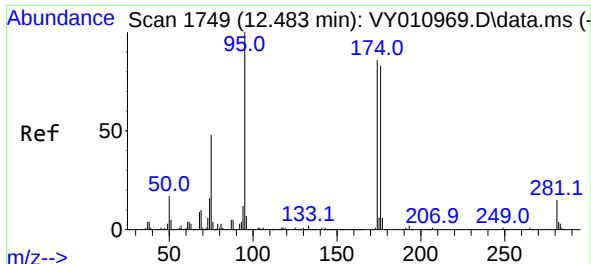
Tgt Ion: 97 Resp: 2742
Ion Ratio Lower Upper
97 100
83 17.0 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 1.929 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
58 2.4 24.4 73.4#

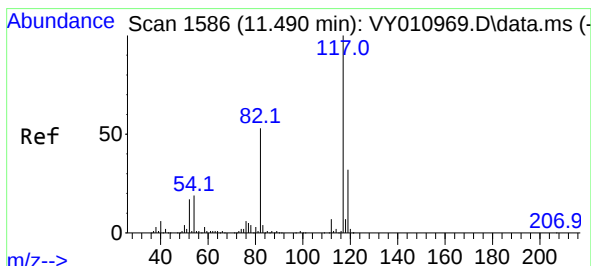
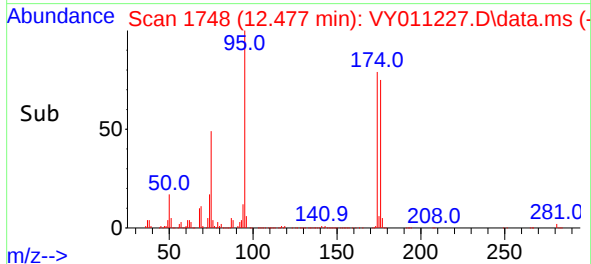
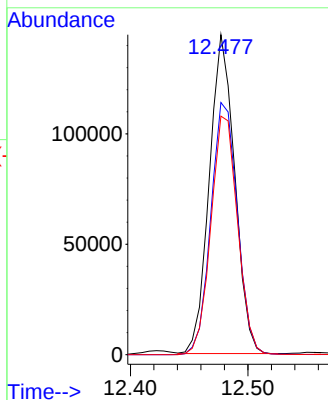
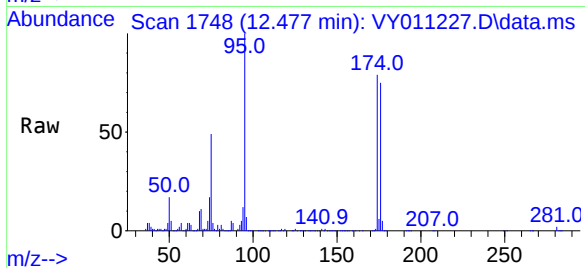




#62
4-Bromofluorobenzene
Concen: 60.244 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

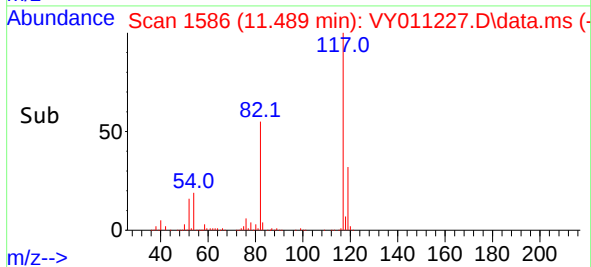
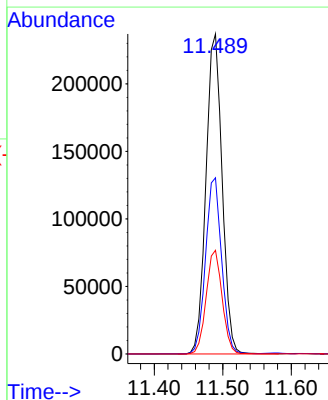
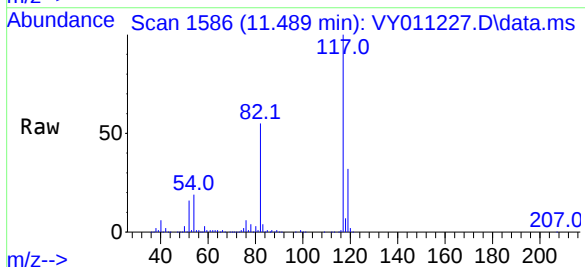
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

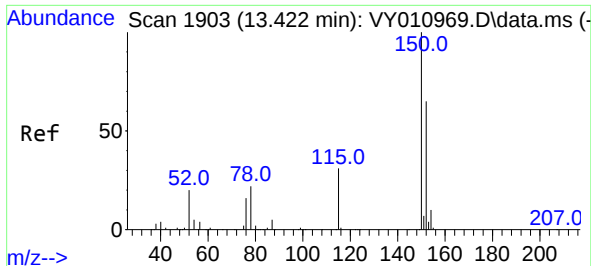
Tgt Ion: 95 Resp: 216858
Ion Ratio Lower Upper
95 100
174 82.8 0.0 177.0
176 78.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 117 Resp: 388548
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.4 25.4 38.0

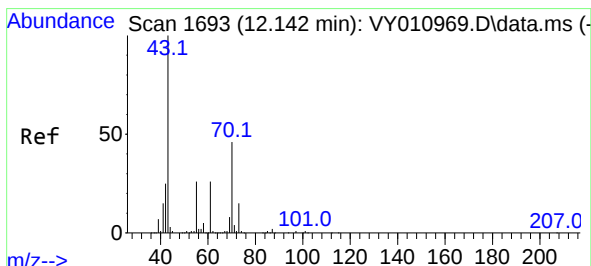
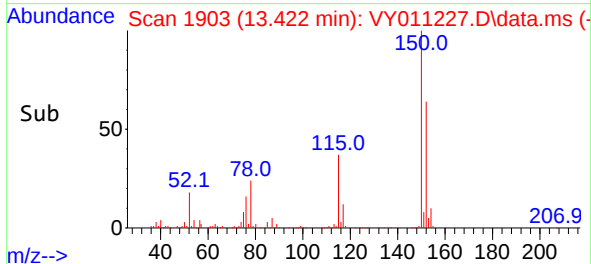
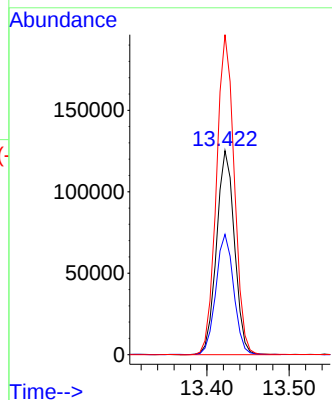
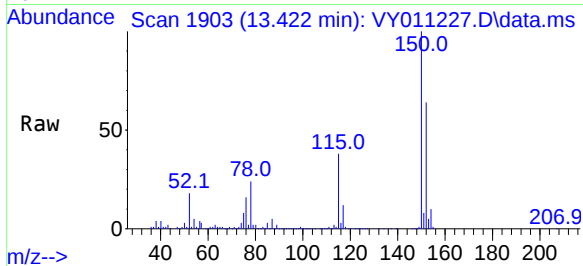




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

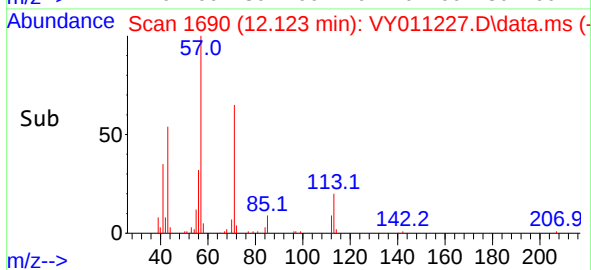
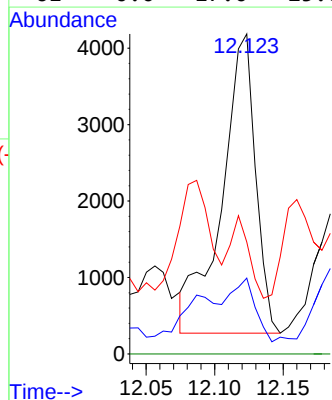
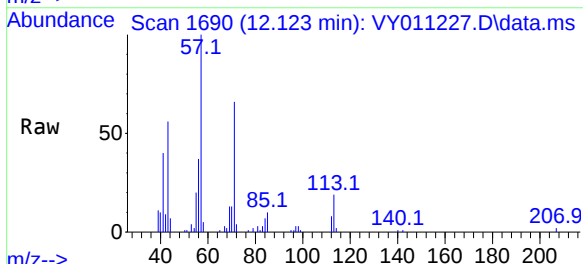
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

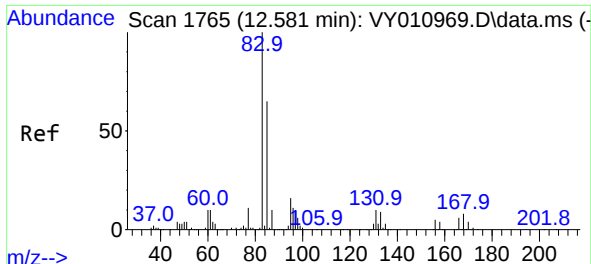
Tgt Ion:152 Resp: 189937
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 156.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.889 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 43 Resp: 6735
Ion Ratio Lower Upper
43 100
70 14.1 28.7 43.1#
55 15.0 17.3 25.9#
61 0.0 17.0 25.6#

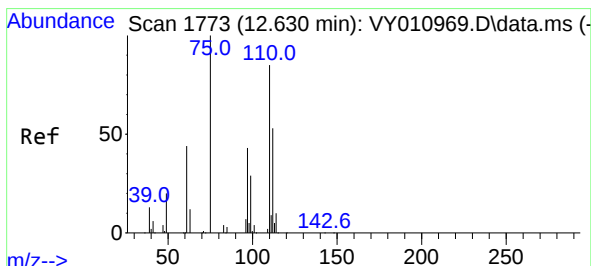
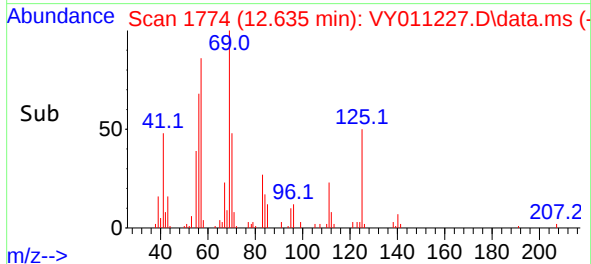
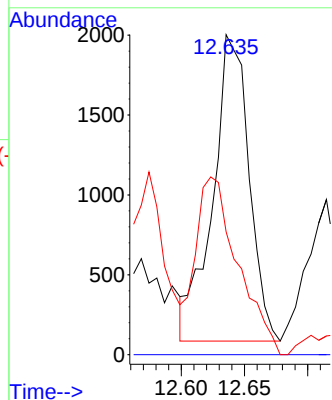
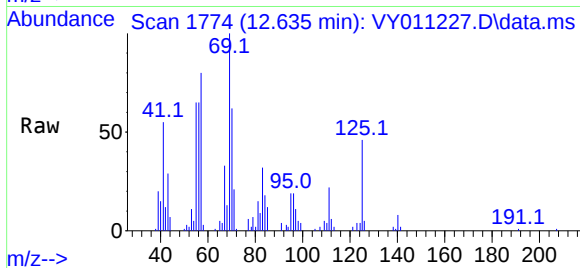




#75
1,1,2,2-Tetrachloroethane
Concen: 1.298 ug/l
RT: 12.635 min Scan# 1748
Delta R.T. 0.054 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

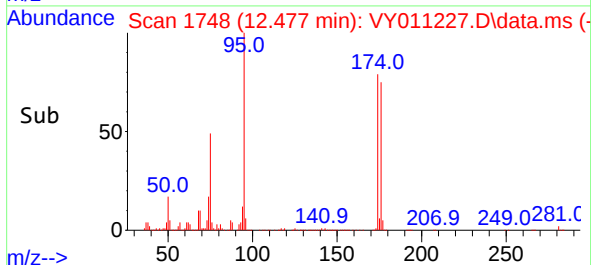
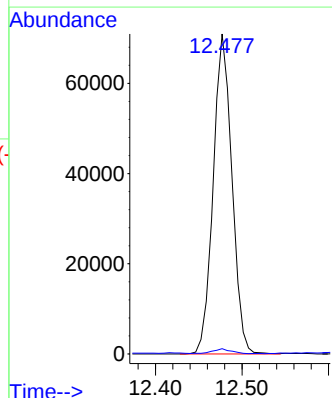
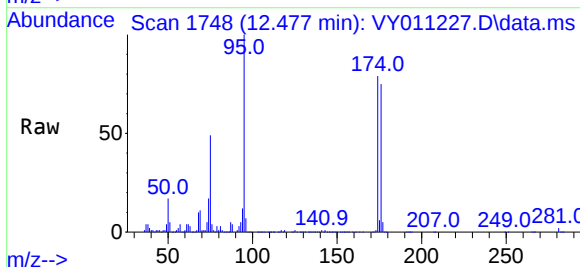
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

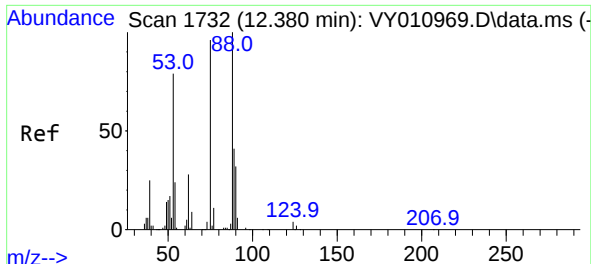
Tgt Ion: 83 Resp: 3813
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 68.3 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 46.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion: 75 Resp: 106544
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

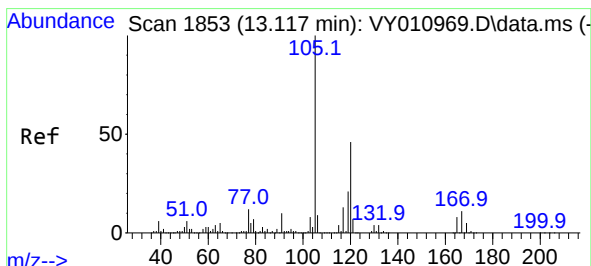
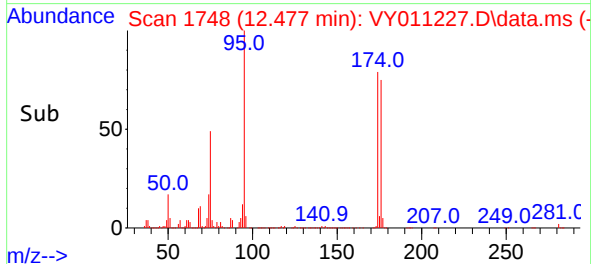
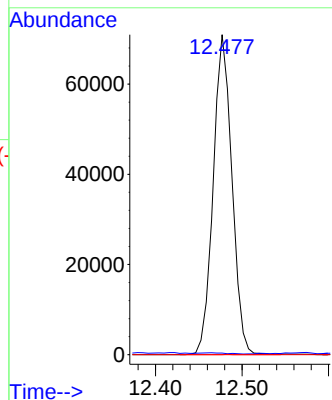
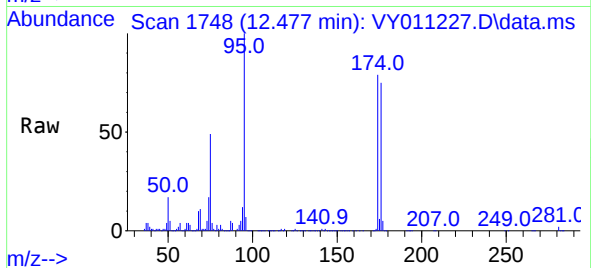




#81
trans-1,4-Dichloro-2-butene
Concen: 98.610 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

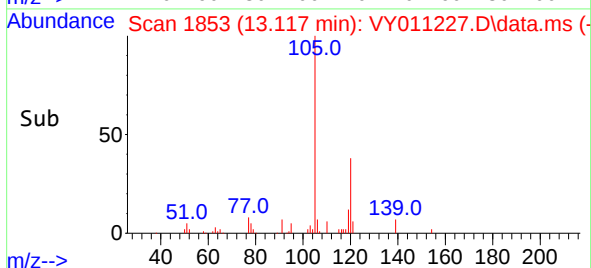
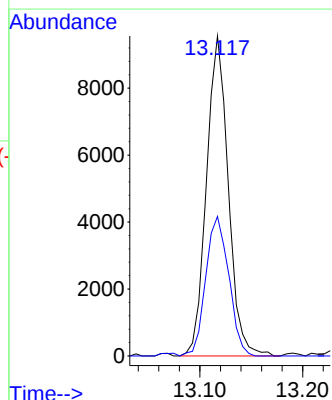
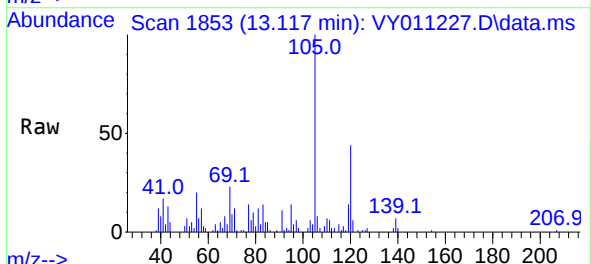
Instrument :
MSVOA_Y
ClientSampleId :
TP-E

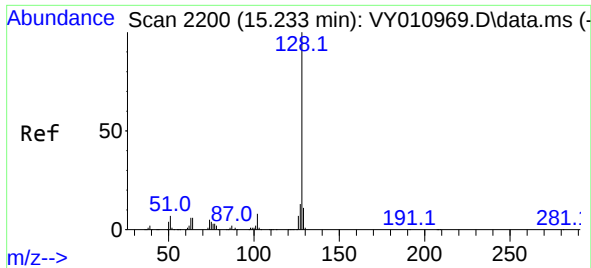
Tgt Ion: 75 Resp: 106544
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.186 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Tgt Ion:105 Resp: 14094
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.9





#95
Naphthalene
Concen: 4.296 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011227.D
Acq: 01 Nov 2022 17:13

Instrument :
MSVOA_Y
ClientSampleId :
TP-E

Tgt Ion:	128	Resp:	3006
Ion	Ratio	Lower	Upper
128	100		
127	10.4	11.0	16.4#
129	11.1	8.4	12.6

