

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009597.D
 Acq On : 19 Jul 2022 18:13
 Operator : KP/MD
 Sample : N3651-08
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-6-(6-12)

Quant Time: Jul 20 02:45:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

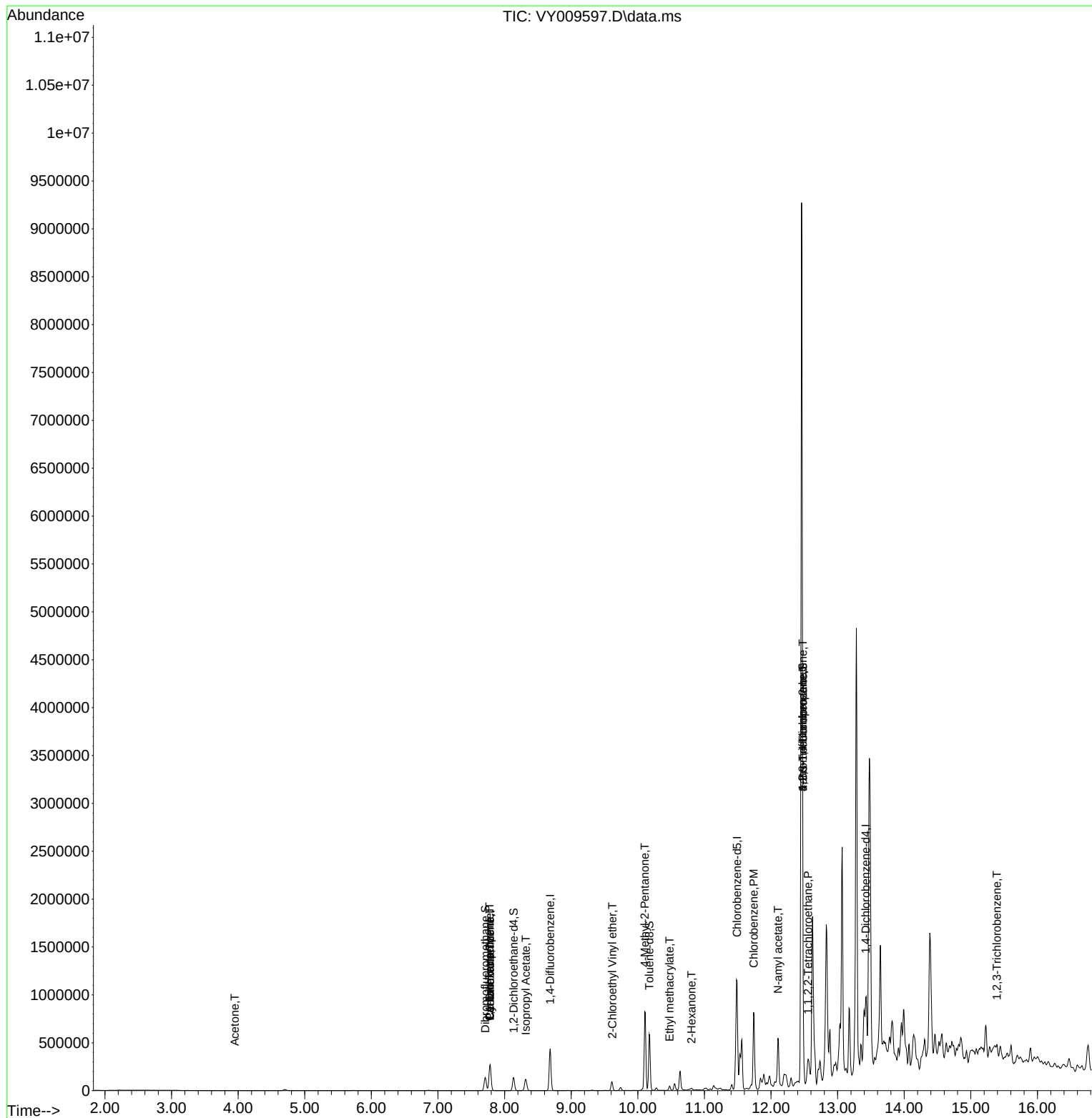
Internal Standards						
1) Pentafluorobenzene	7.783	168	226167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	385243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104019	48.630	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.260%
35) Dibromofluoromethane	7.710	113	97499	40.172	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.340%
50) Toluene-d8	10.173	98	387611	41.544	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	83.080%
62) 4-Bromofluorobenzene	12.477	95	136446	45.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	90.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	663	Below Cal	#	77
16) Acetone	3.948	43	914	1.689	ug/l #	78
20) Methylene Chloride	4.704	84	9356	Below Cal	#	82
31) Cyclohexane	7.783	56	3956	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	15167	4.229	ug/l #	51
38) Carbon Tetrachloride	7.777	117	20504	5.461	ug/l #	16
43) Isopropyl Acetate	8.319	43	22725	6.213	ug/l #	56
51) 4-Methyl-2-Pentanone	10.105	43	92003	48.445	ug/l	89
56) Ethyl methacrylate	10.477	69	11816	4.385	ug/l #	66
58) 2-Chloroethyl Vinyl ether	9.618	63	112	28.349	ug/l #	48
59) 2-Hexanone	10.807	43	7959	6.026	ug/l #	41
65) Chlorobenzene	11.739	112	23085	3.126	ug/l #	83
74) N-amyl acetate	12.105	43	77439	25.826	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.556	83	12610	5.585	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	64933	41.859	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64933	82.538	ug/l #	52
96) 1,2,3-Trichlorobenzene	15.391	180	2923	1.082	ug/l #	63

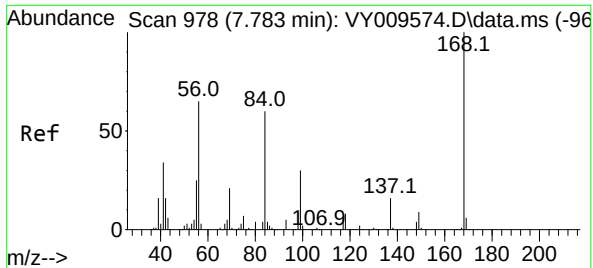
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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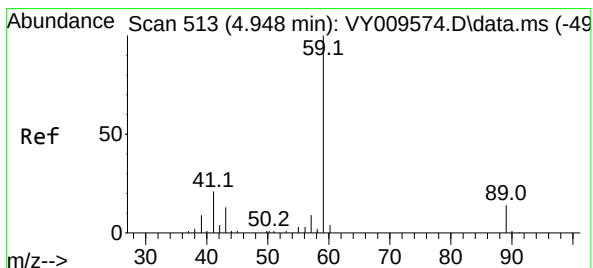
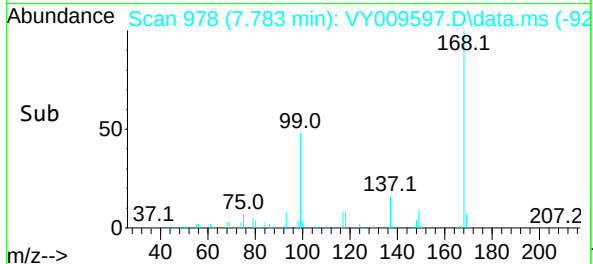
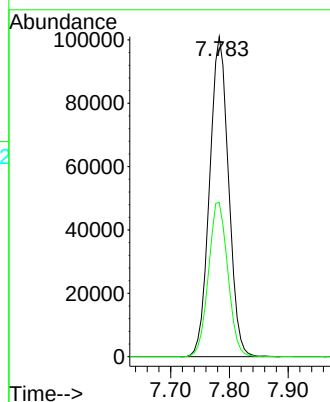
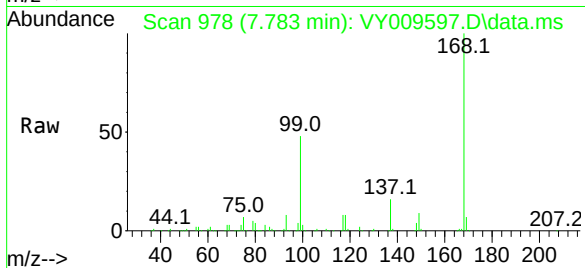




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

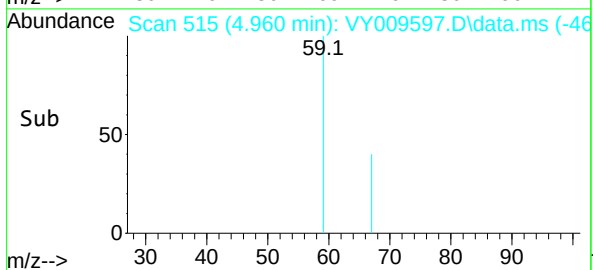
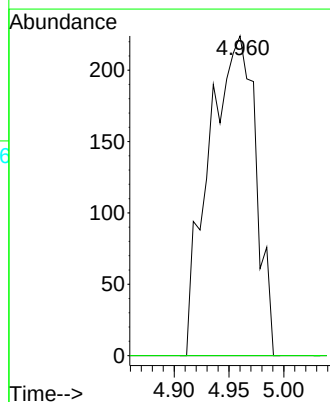
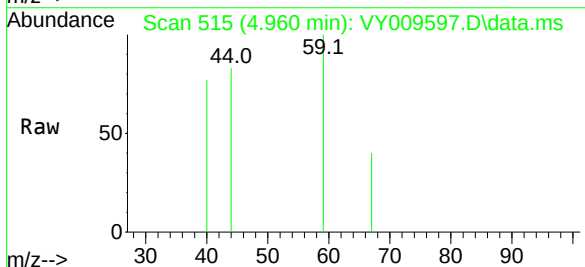
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

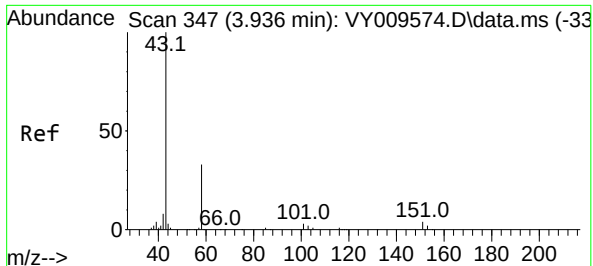
Tgt Ion:168 Resp: 226167
Ion Ratio Lower Upper
168 100
99 48.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

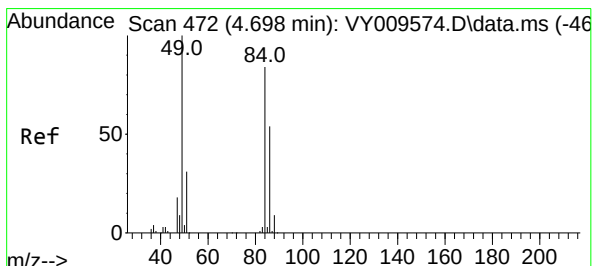
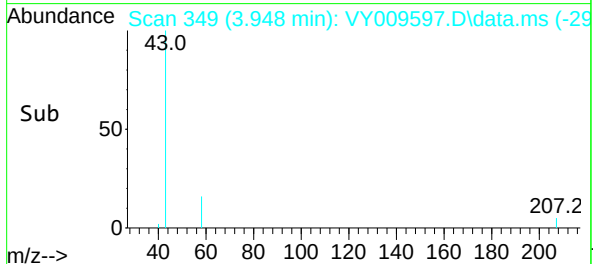
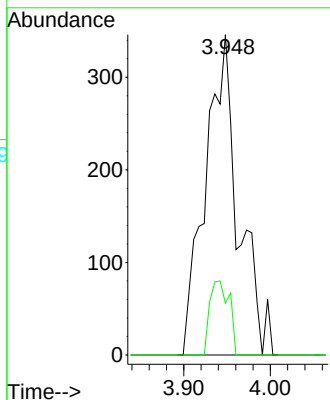
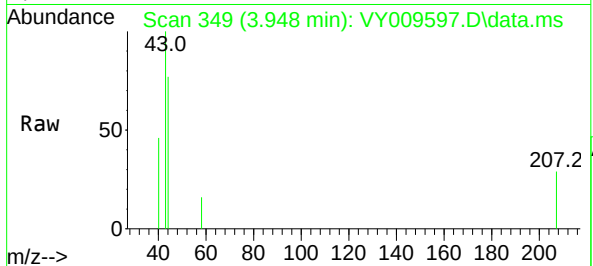




#16
Acetone
Concen: 1.689 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

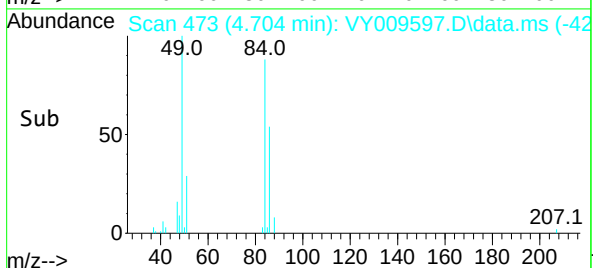
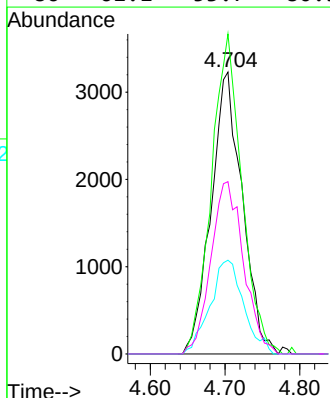
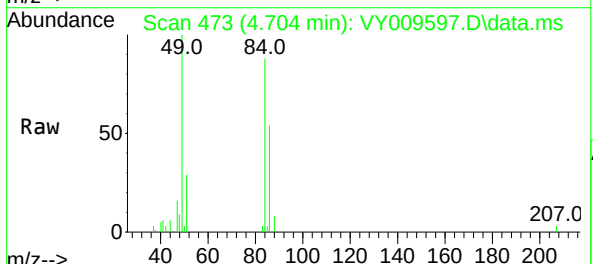
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

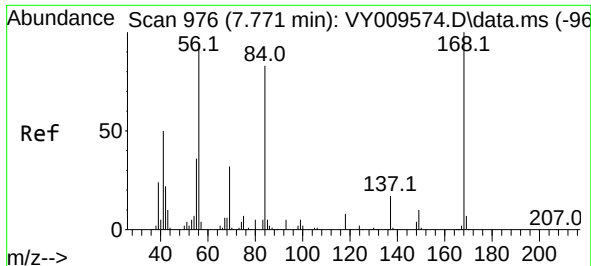
Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 16.2 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 84 Resp: 9356
Ion Ratio Lower Upper
84 100
49 113.5 114.4 171.6#
51 33.3 35.3 52.9#
86 61.1 53.7 80.5

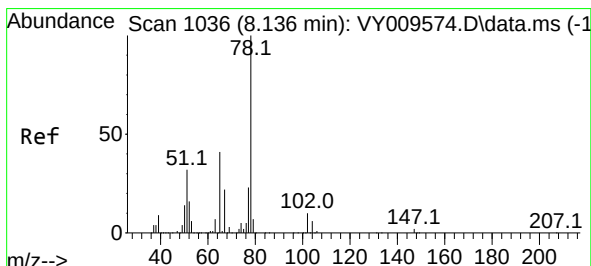
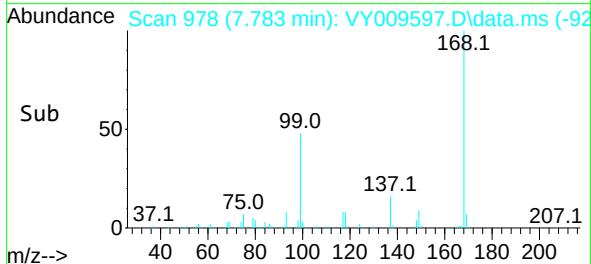
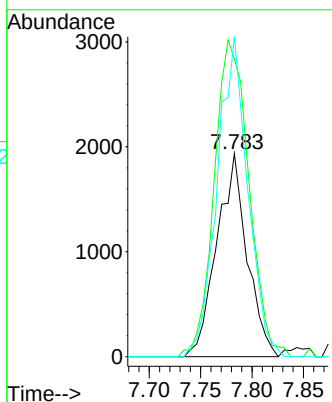
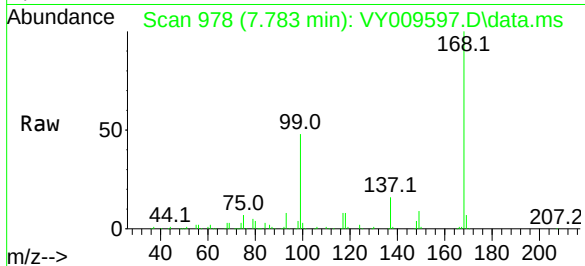




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

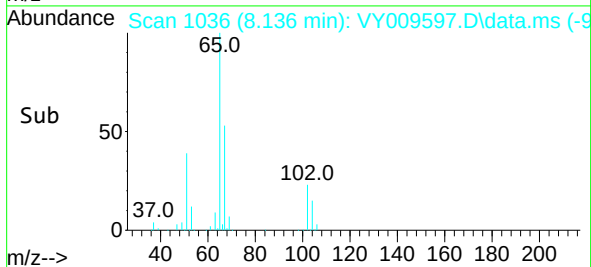
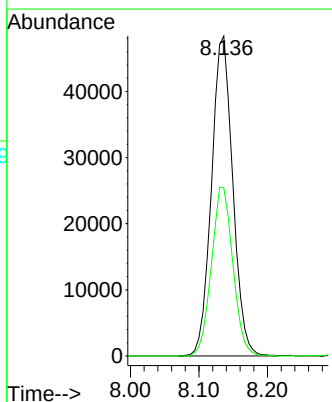
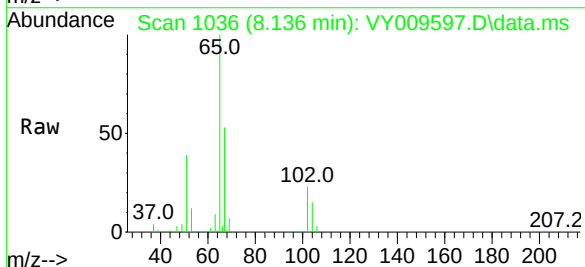
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

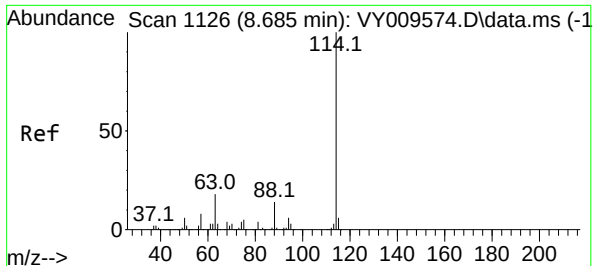
Tgt Ion: 56 Resp: 3956
Ion Ratio Lower Upper
56 100
69 146.7 26.7 40.1#
84 157.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.630 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 65 Resp: 104019
Ion Ratio Lower Upper
65 100
67 53.3 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: VY009597.D

Acq: 19 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SED-6-(6-12)

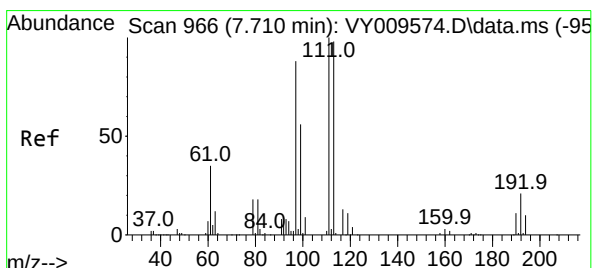
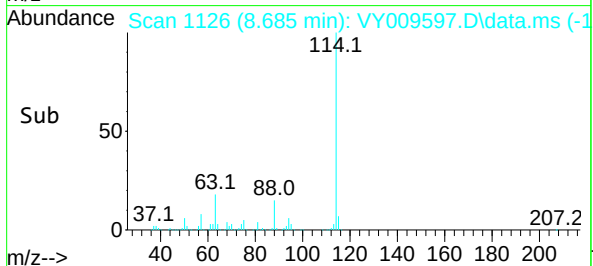
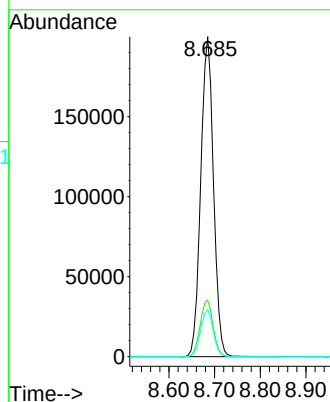
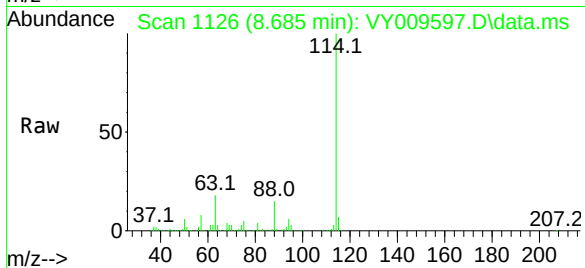
Tgt Ion:114 Resp: 385243

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.172 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009597.D

Acq: 19 Jul 2022 18:13

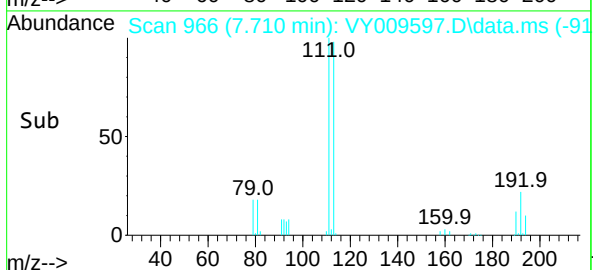
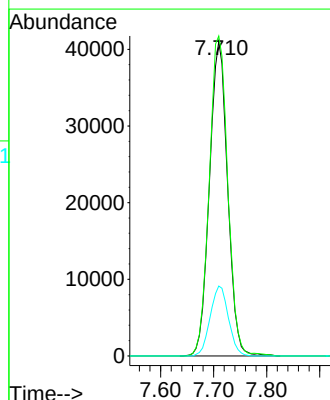
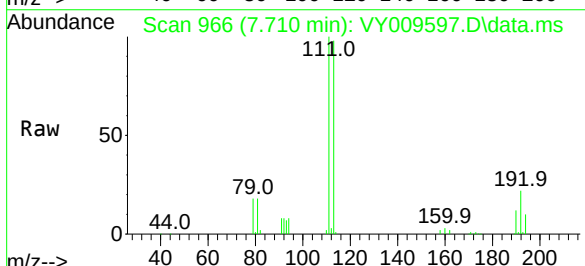
Tgt Ion:113 Resp: 97499

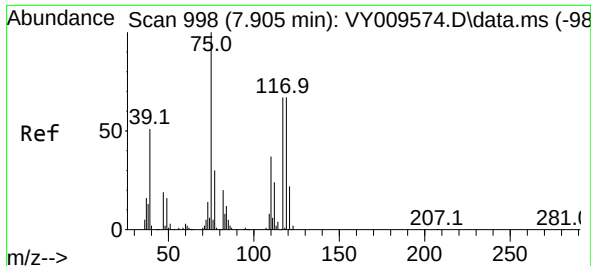
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 22.3 17.6 26.4

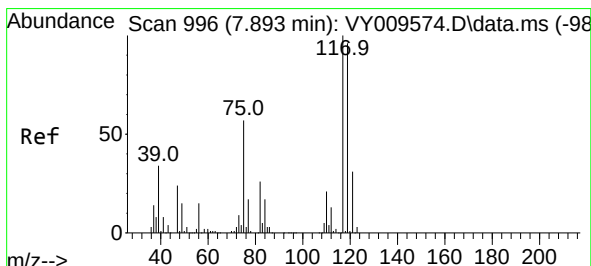
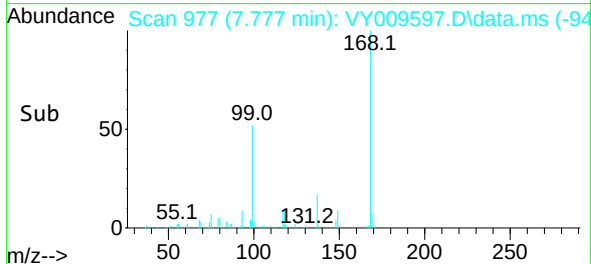
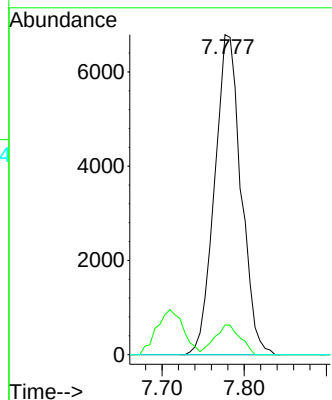
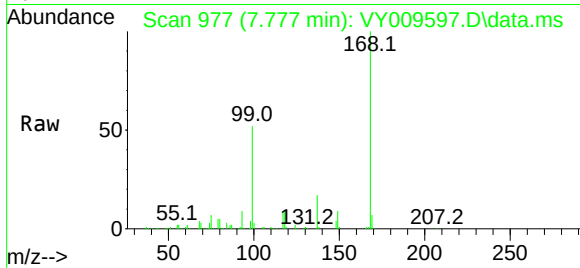




#36
1,1-Dichloropropene
Concen: 4.229 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

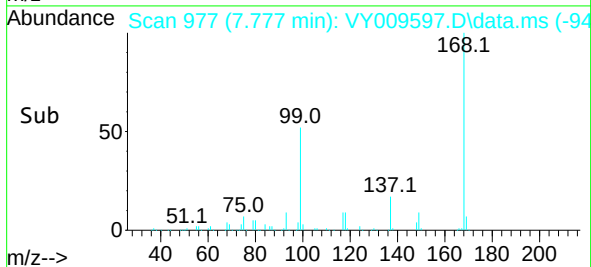
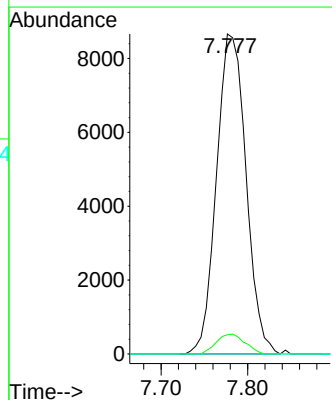
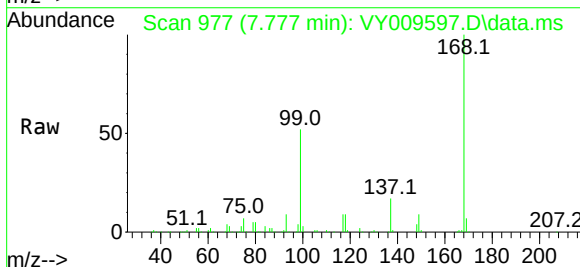
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ClientSampleId :
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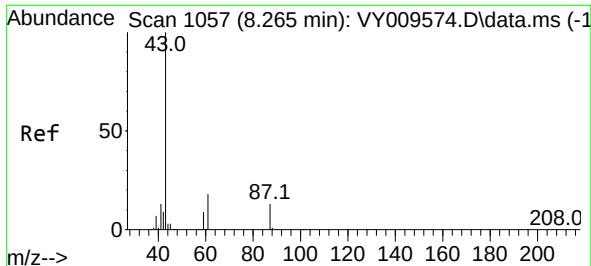
Tgt Ion: 75 Resp: 15167
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 117 Resp: 20504
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#

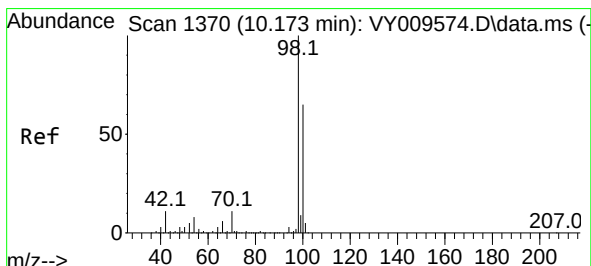
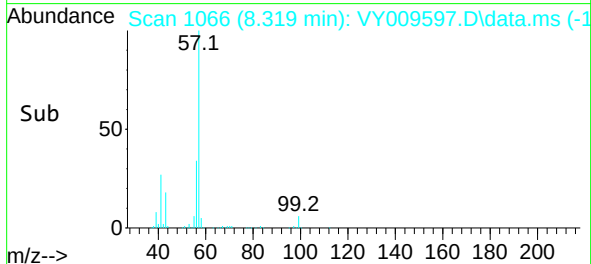
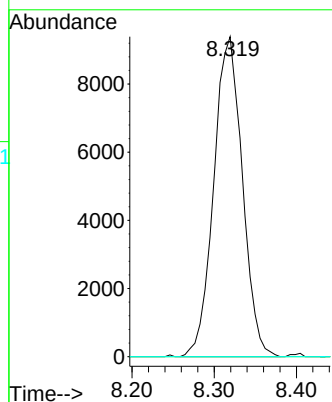
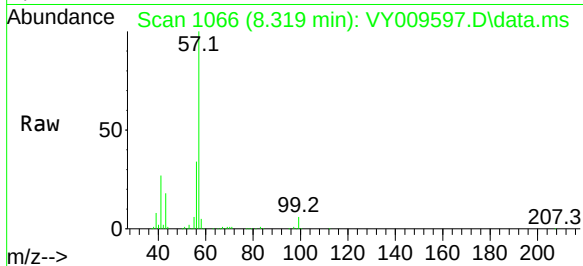




#43
Isopropyl Acetate
Concen: 6.213 ug/l
RT: 8.319 min Scan# 1066
Delta R.T. 0.055 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

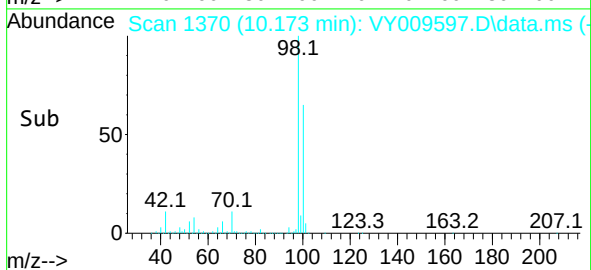
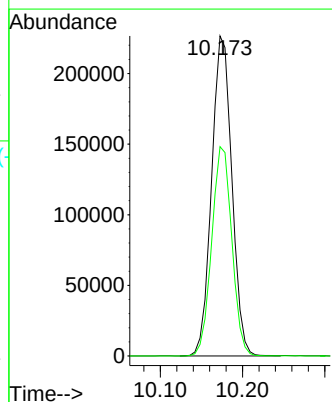
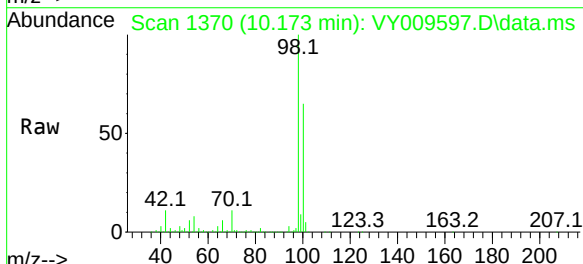
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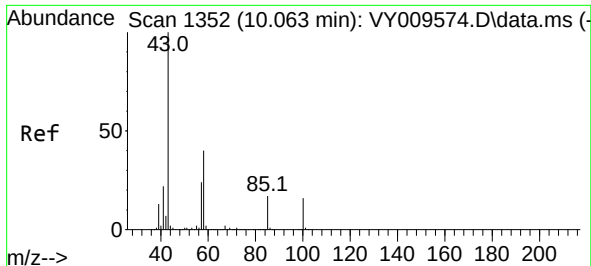
Tgt Ion: 43 Resp: 22725
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 41.544 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 98 Resp: 387611
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

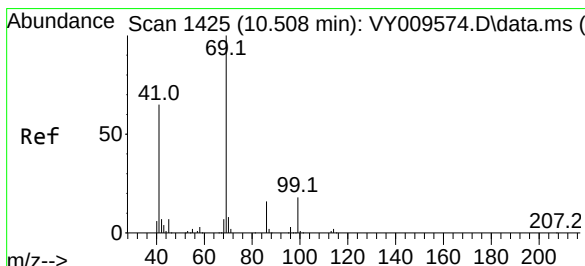
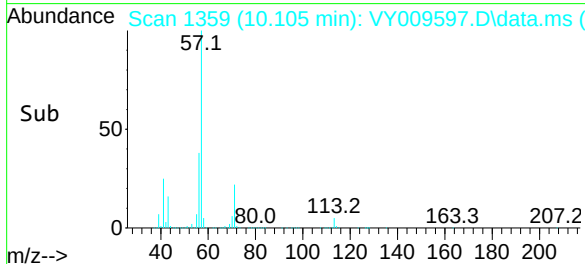
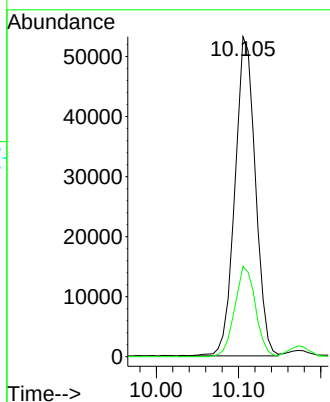
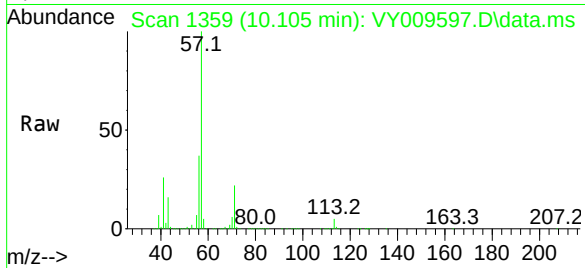




#51
4-Methyl-2-Pentanone
Concen: 48.445 ug/l
RT: 10.105 min Scan# 11
Delta R.T. 0.042 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

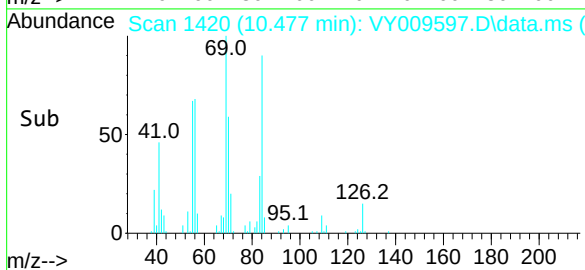
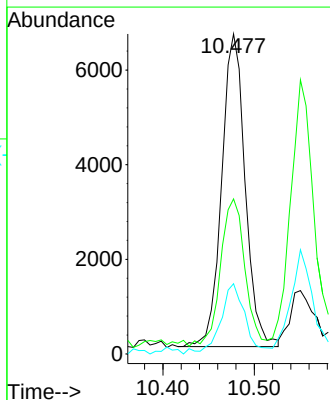
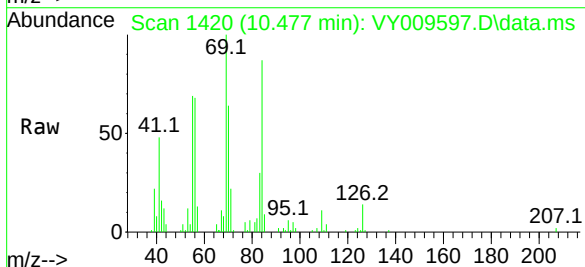
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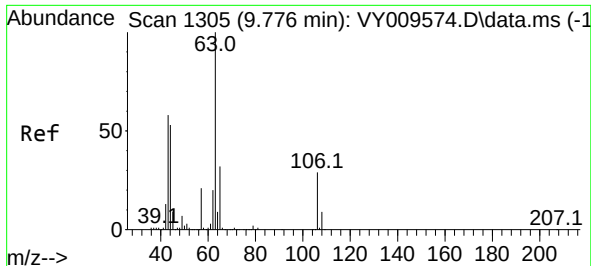
Tgt Ion: 43 Resp: 92003
Ion Ratio Lower Upper
43 100
58 28.7 28.1 42.1



#56
Ethyl methacrylate
Concen: 4.385 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.031 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 69 Resp: 11816
Ion Ratio Lower Upper
69 100
41 48.9 63.4 95.0#
39 23.4 35.8 53.8#

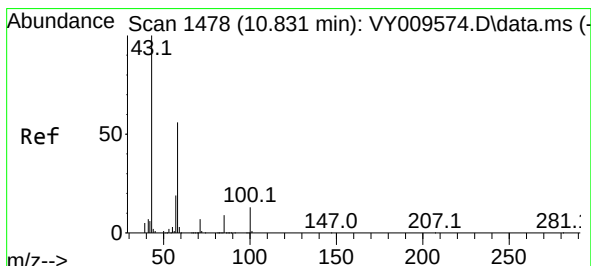
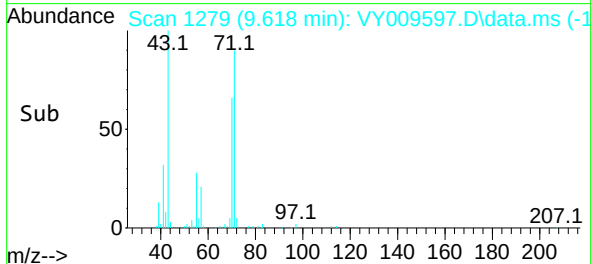
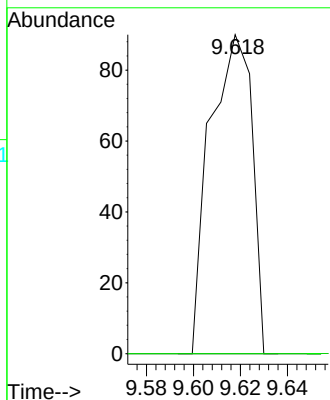
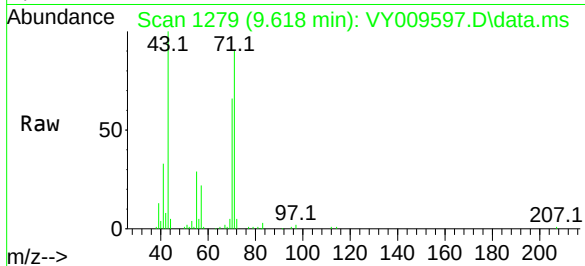




#58
 2-Chloroethyl Vinyl ether
 Concen: 28.349 ug/l
 RT: 9.618 min Scan# 112
 Delta R.T. -0.158 min
 Lab File: VY009597.D
 Acq: 19 Jul 2022 18:13

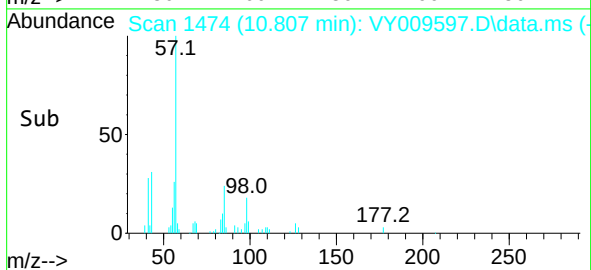
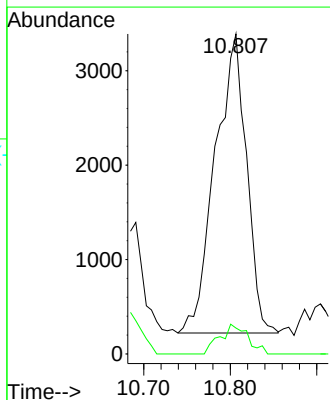
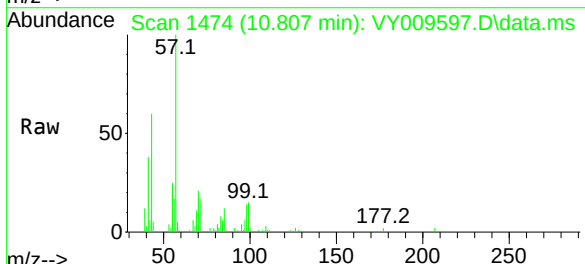
Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-6-(6-12)

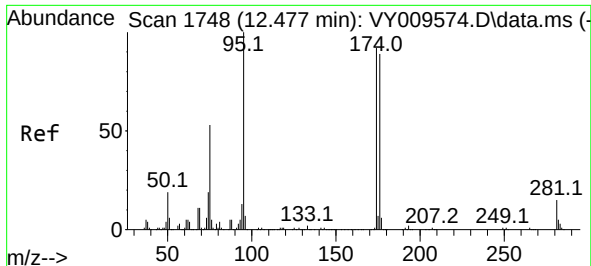
Tgt Ion: 63 Resp: 112
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.5 32.3#



#59
 2-Hexanone
 Concen: 6.026 ug/l
 RT: 10.807 min Scan# 1474
 Delta R.T. -0.025 min
 Lab File: VY009597.D
 Acq: 19 Jul 2022 18:13

Tgt Ion: 43 Resp: 7959
 Ion Ratio Lower Upper
 43 100
 58 8.8 24.4 73.4#

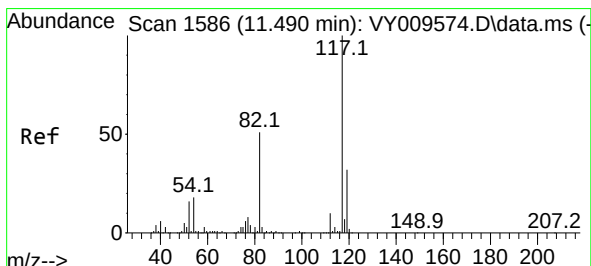
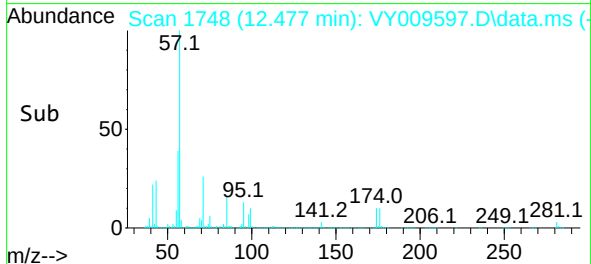
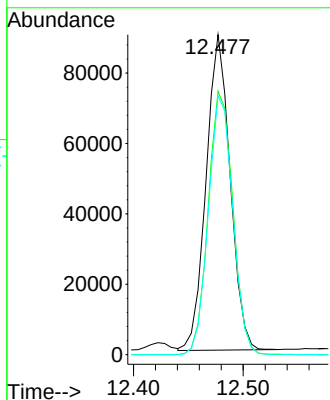
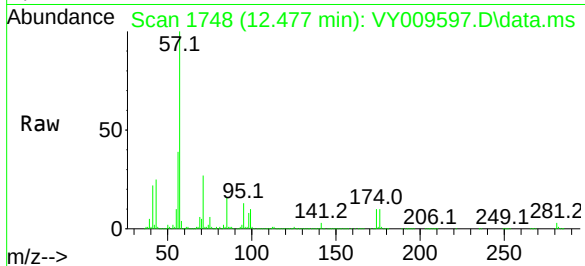




#62
4-Bromofluorobenzene
Concen: 45.132 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

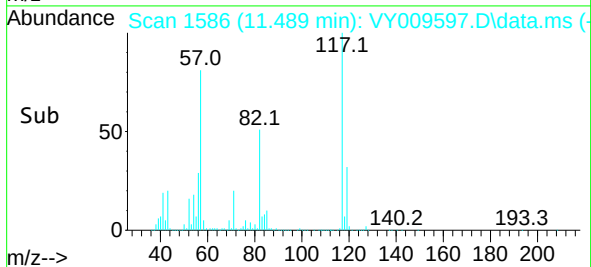
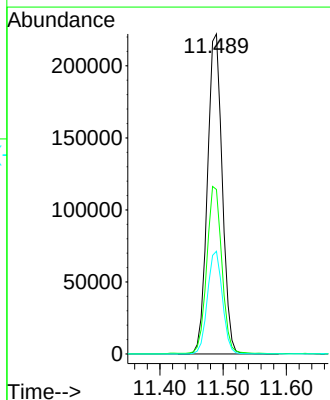
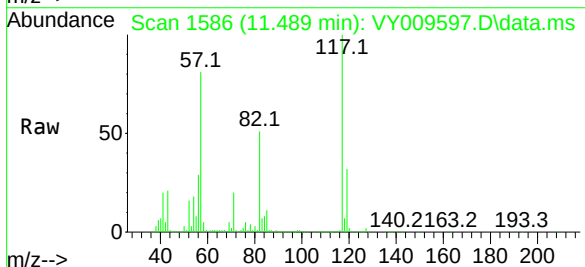
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

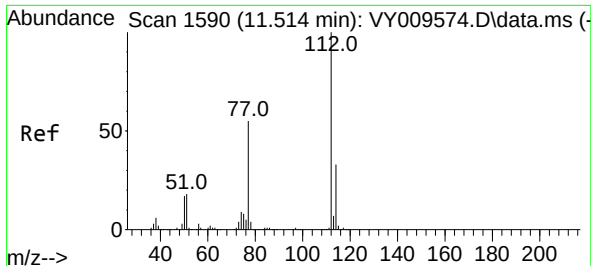
Tgt Ion: 95 Resp: 136446
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 83.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion: 117 Resp: 361398
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 32.1 25.4 38.0

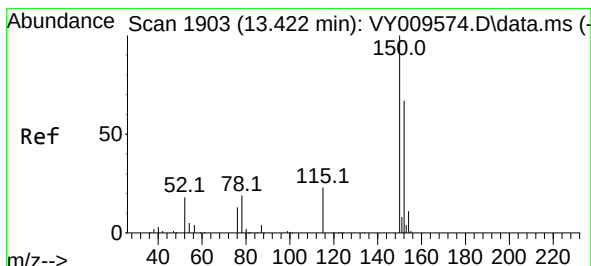
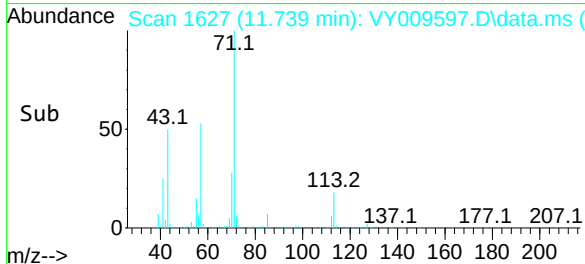
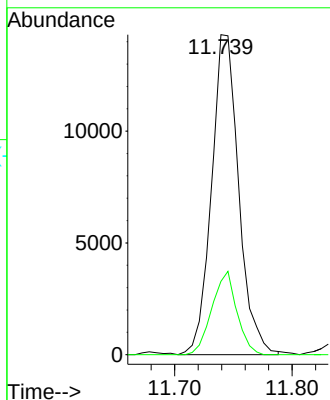
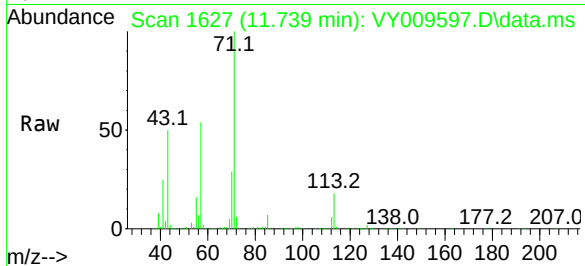




#65
Chlorobenzene
Concen: 3.126 ug/l
RT: 11.739 min Scan# 11
Delta R.T. 0.225 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

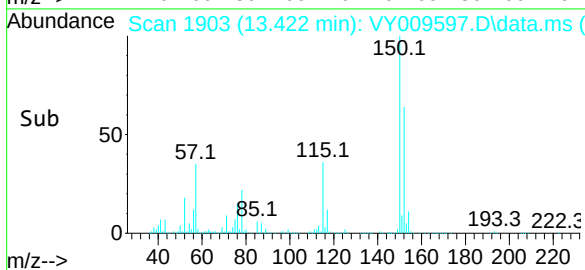
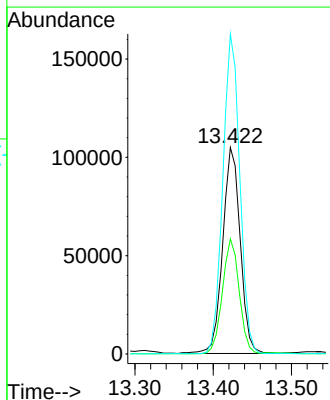
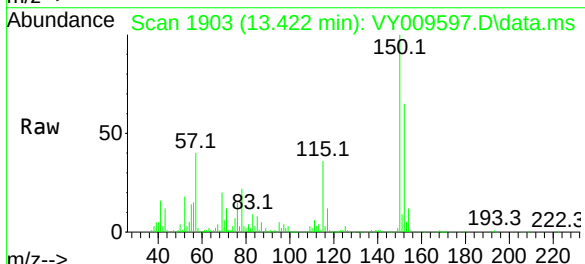
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

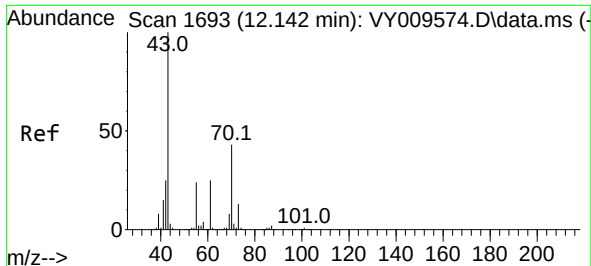
Tgt Ion:112 Resp: 23085
Ion Ratio Lower Upper
112 100
114 22.9 25.8 38.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion:152 Resp: 162839
Ion Ratio Lower Upper
152 100
115 53.6 28.2 84.7
150 150.9 0.0 347.6

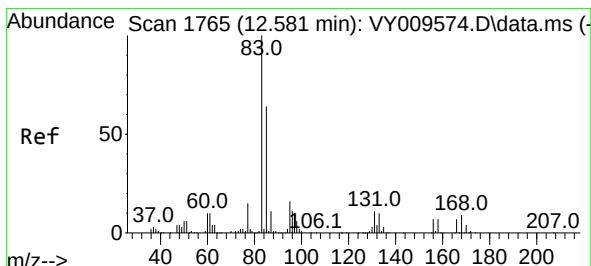
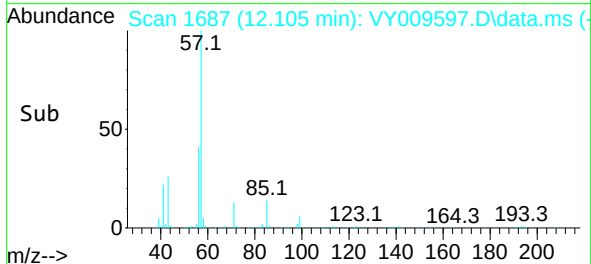
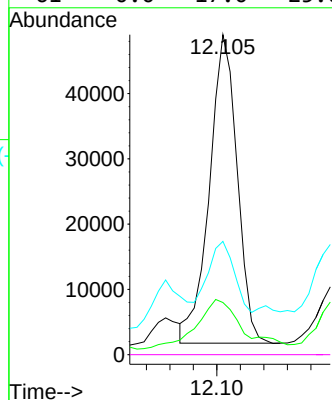
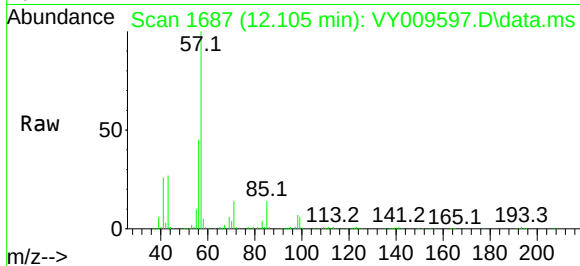




#74
N-amy1 acetate
Concen: 25.826 ug/l
RT: 12.105 min Scan# 1
Delta R.T. -0.037 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

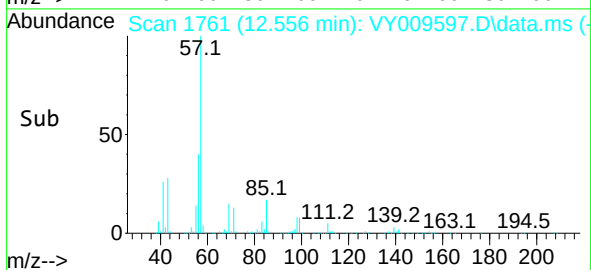
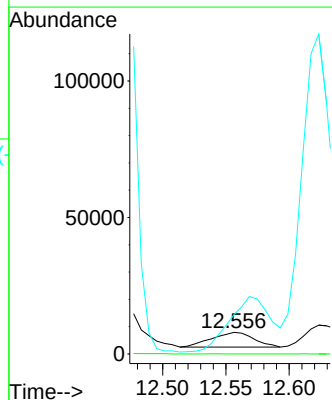
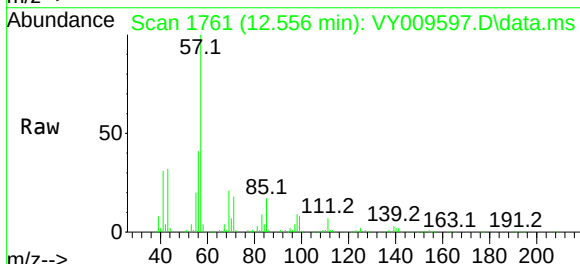
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

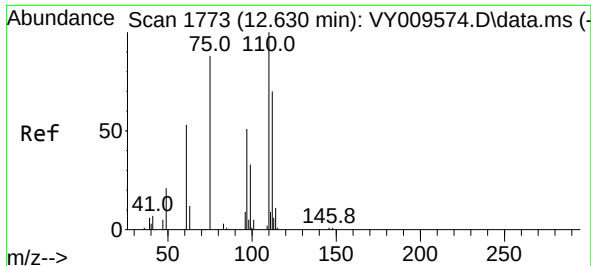
Tgt Ion:	43	Resp:	77439
Ion	Ratio	Lower	Upper
43	100		
70	26.9	28.7	43.1#
55	22.2	17.3	25.9
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.585 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.025 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

Tgt Ion:	83	Resp:	12610
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	365.3	32.3	96.8#

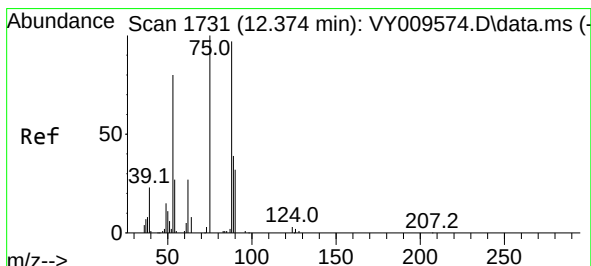
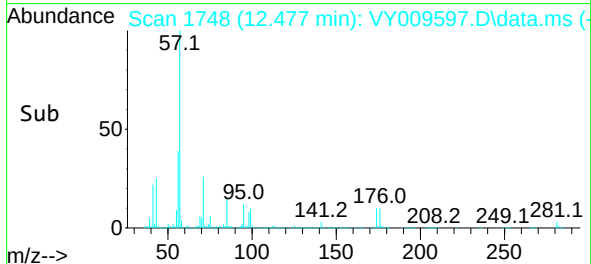
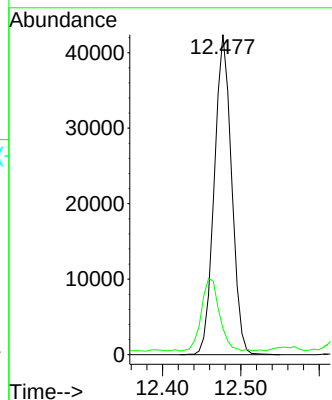
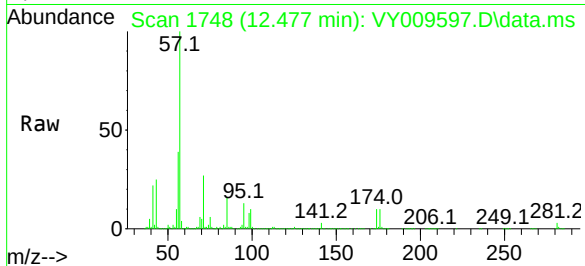




#76
1,2,3-Trichloropropane
Concen: 41.859 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

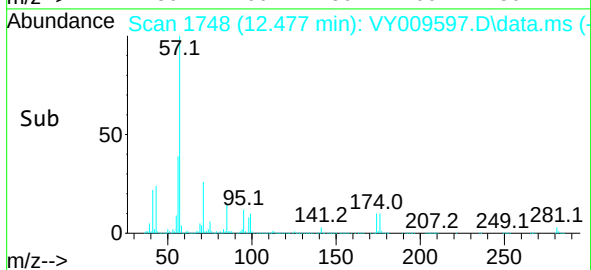
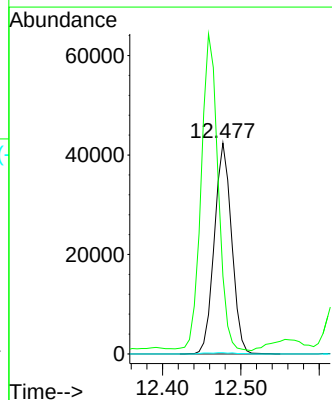
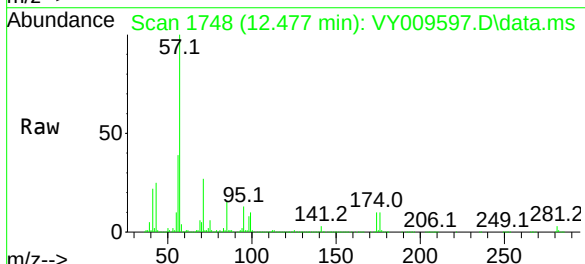
Instrument :
MSVOA_Y
ClientSampleId :
SED-6-(6-12)

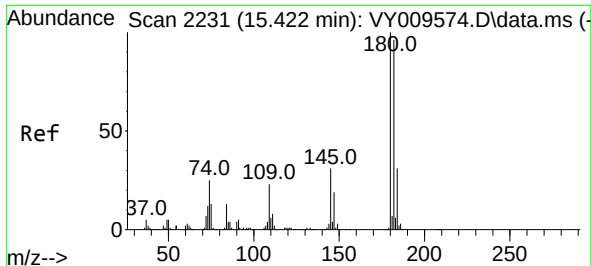
Tgt Ion: 75 Resp: 64933
Ion Ratio Lower Upper
75 100
77 23.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.538 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009597.D
Acq: 19 Jul 2022 18:13

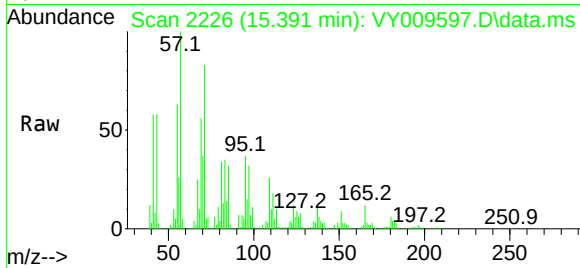
Tgt Ion: 75 Resp: 64933
Ion Ratio Lower Upper
75 100
53 147.3 85.3 127.9#
89 1.1 37.0 55.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.082 ug/l
 RT: 15.391 min Scan# 21
 Delta R.T. -0.031 min
 Lab File: VY009597.D
 Acq: 19 Jul 2022 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-6-(6-12)



Tgt Ion:180 Resp: 2923
 Ion Ratio Lower Upper
 180 100
 182 65.0 47.3 141.9
 145 0.0 15.3 45.9#

