

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016567.D
 Acq On : 01 Dec 2023 17:46
 Operator : SY/MD
 Sample : 05602-07
 Misc : 6.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 01 23:41:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

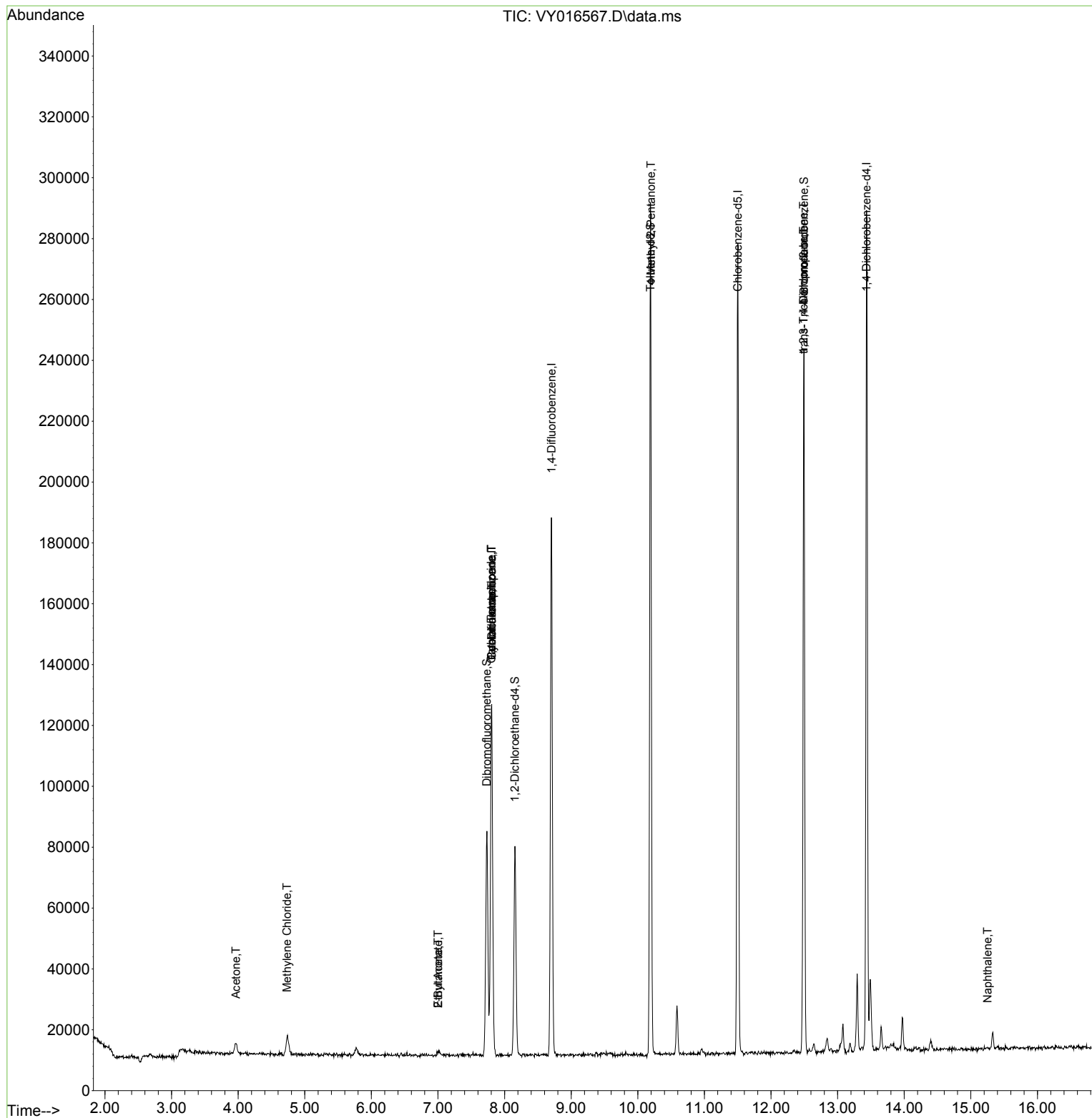
Internal Standards						
1) Pentafluorobenzene	7.807	168	98477	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	165076	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	161887	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	78923	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	54967	70.651	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.300%	
35) Dibromofluoromethane	7.734	113	52915	54.617	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.240%	
50) Toluene-d8	10.191	98	191044	50.841	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.680%	
62) 4-Bromofluorobenzene	12.495	95	67846	57.555	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.100%	
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	6129	42.518	ug/l	92
20) Methylene Chloride	4.734	84	5146	3.137	ug/l #	81
25) 2-Butanone	7.002	43	2140	10.195	ug/l #	67
31) Cyclohexane	7.807	56	1461	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	6034	4.218	ug/l #	46
37) Ethyl Acetate	7.002	43	2140	4.772	ug/l #	71
38) Carbon Tetrachloride	7.801	117	9218	5.489	ug/l #	15
51) 4-Methyl-2-Pentanone	10.197	43	464	1.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	33131	49.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	33131	109.042	ug/l #	11
95) Naphthalene	15.251	128	373	5.067	ug/l #	78

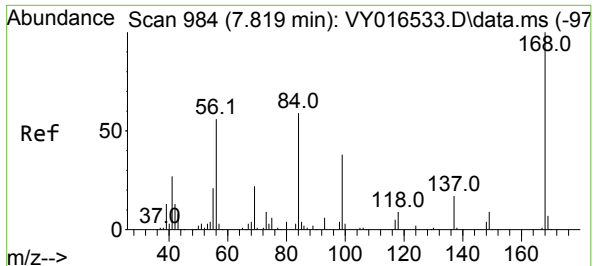
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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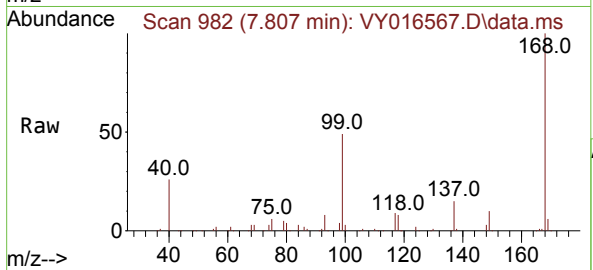
Quant Time: Dec 01 23:41:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 30 03:28:04 2023
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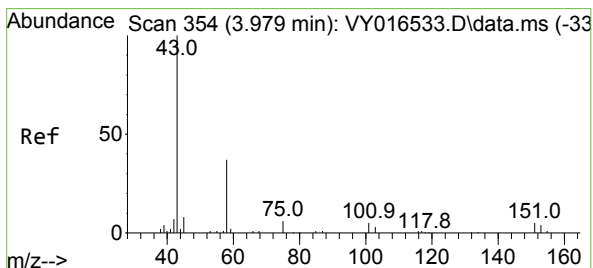
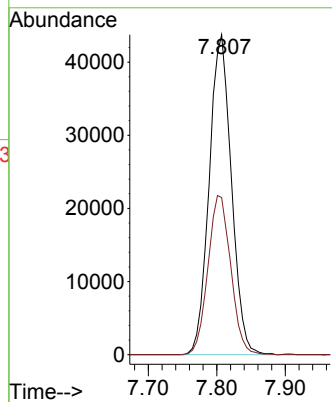
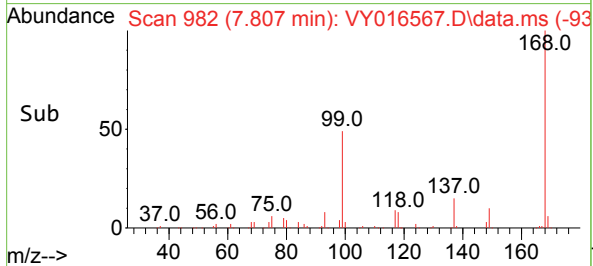


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :

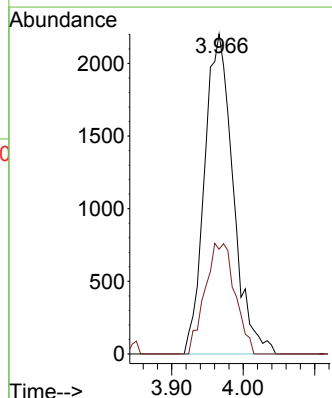
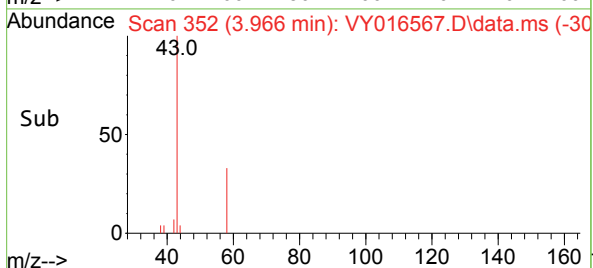
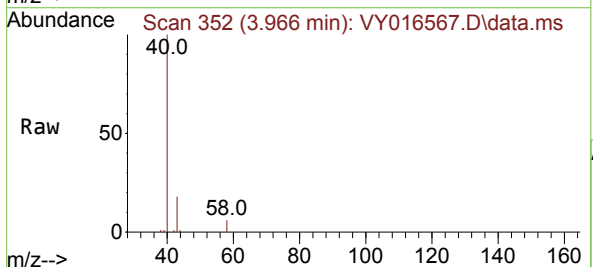


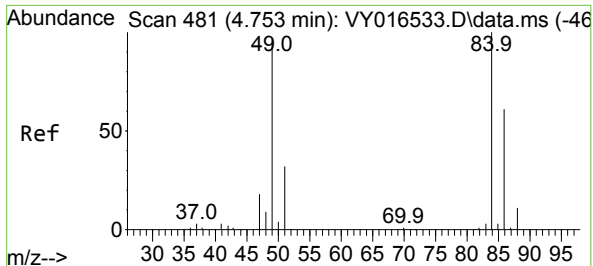
Tgt Ion:168 Resp: 98477
Ion Ratio Lower Upper
168 100
99 49.1 43.4 65.0



#16
Acetone
Concen: 42.518 ug/l
RT: 3.966 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

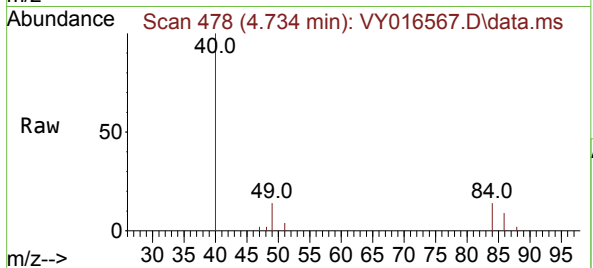
Tgt Ion: 43 Resp: 6129
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1





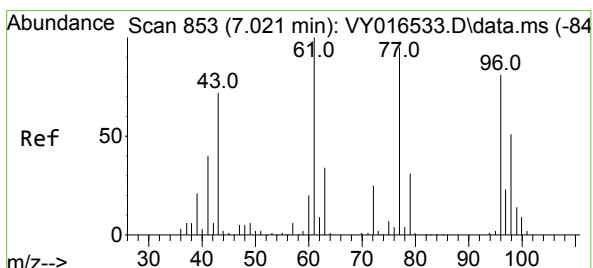
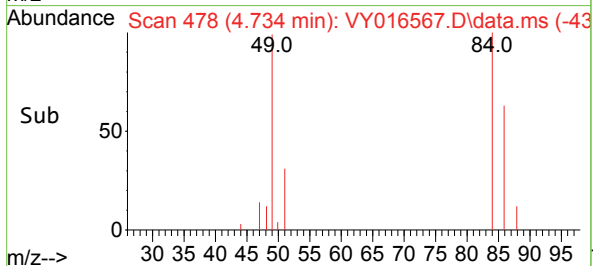
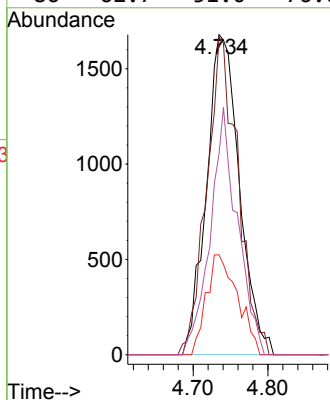
#20
Methylene Chloride
Concen: 3.137 ug/l
RT: 4.734 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 5146

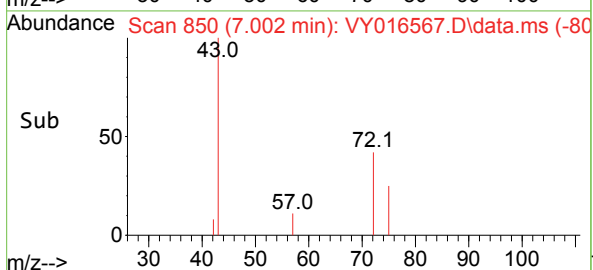
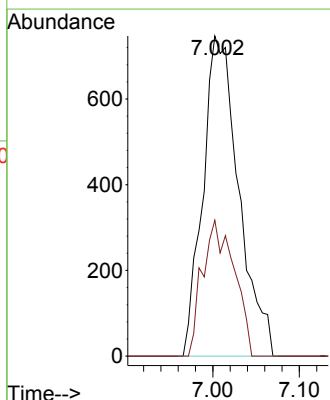
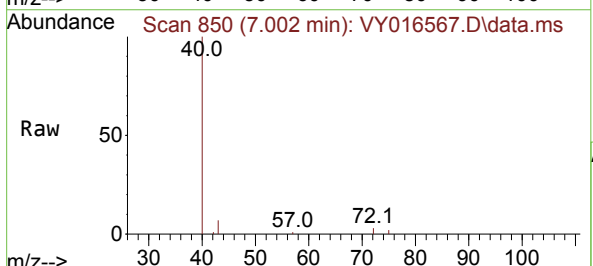
Ion	Ratio	Lower	Upper
84	100		
49	99.2	106.9	160.3#
51	31.2	33.2	49.8#
86	62.7	51.0	76.6

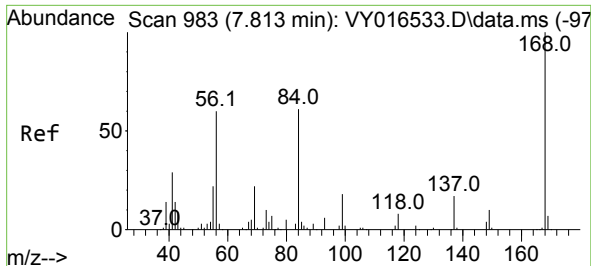


#25
2-Butanone
Concen: 10.195 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.018 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Tgt Ion: 43 Resp: 2140

Ion	Ratio	Lower	Upper
43	100		
72	42.4	20.5	30.7#

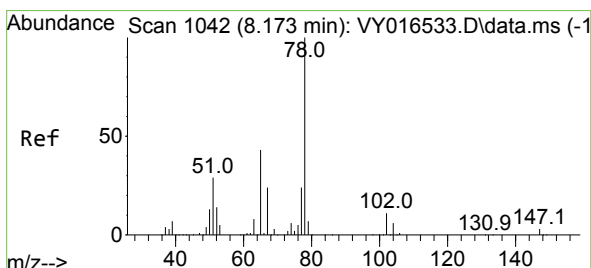
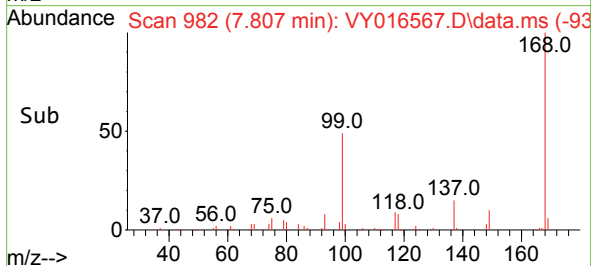
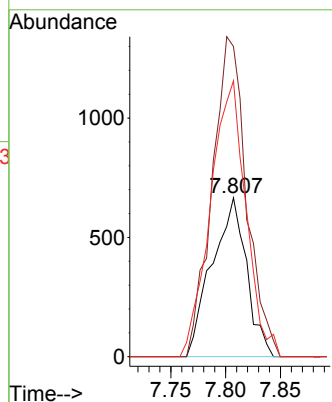
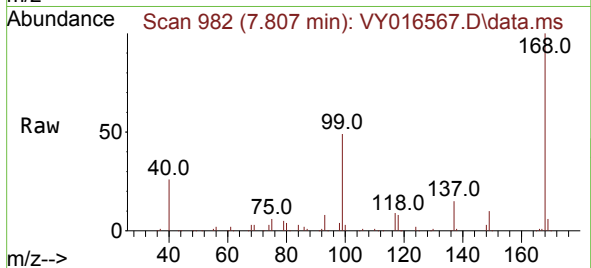




#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

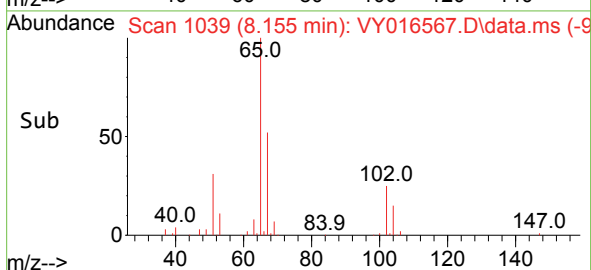
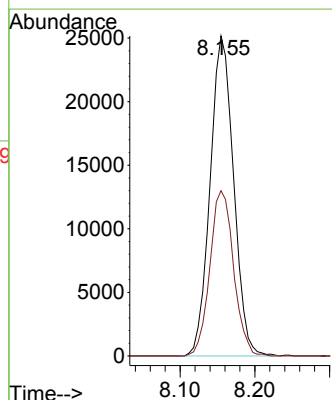
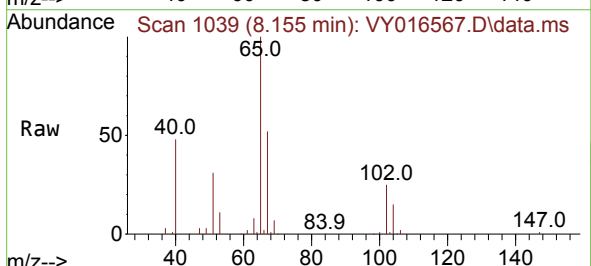
Instrument :
MSVOA_Y
ClientSampleId :

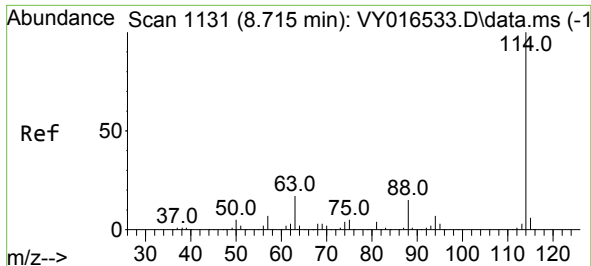
Tgt Ion: 56 Resp: 1461
Ion Ratio Lower Upper
56 100
69 195.2 27.8 41.6#
84 173.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 70.651 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.018 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Tgt Ion: 65 Resp: 54967
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VY016567.D

Acq: 01 Dec 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

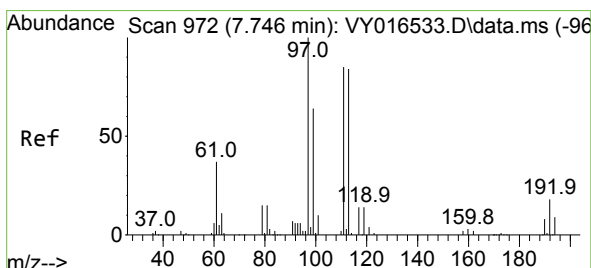
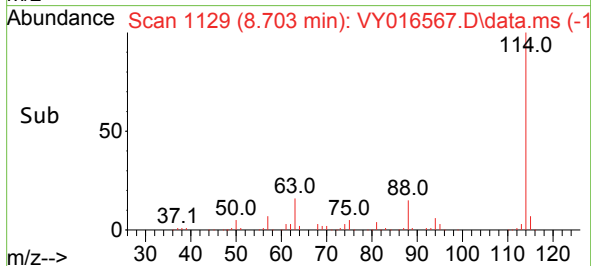
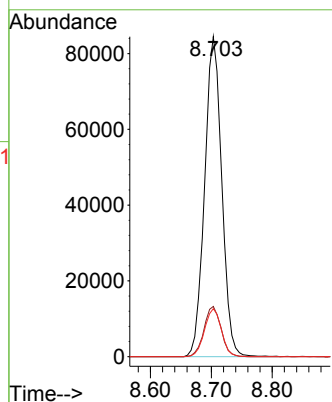
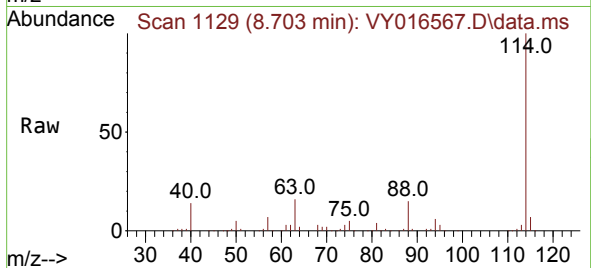
Tgt Ion:114 Resp: 165076

Ion Ratio Lower Upper

114 100

63 15.7 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.617 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY016567.D

Acq: 01 Dec 2023 17:46

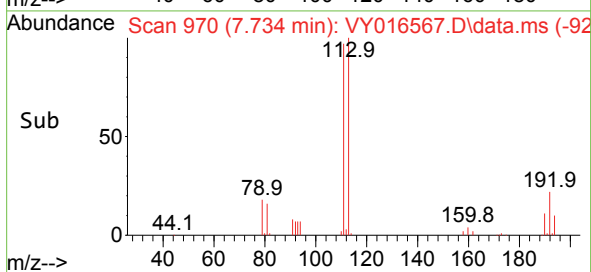
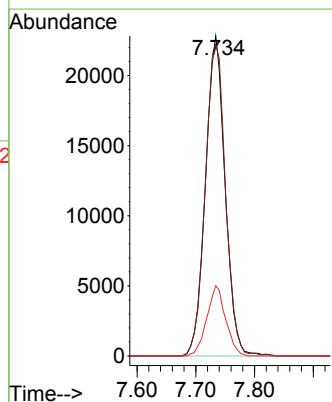
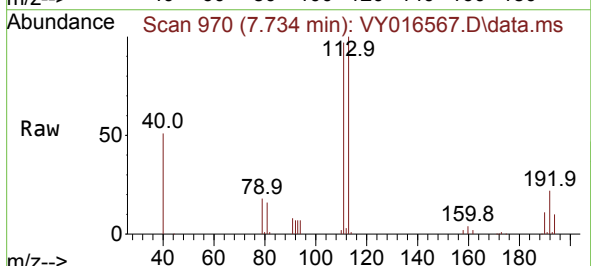
Tgt Ion:113 Resp: 52915

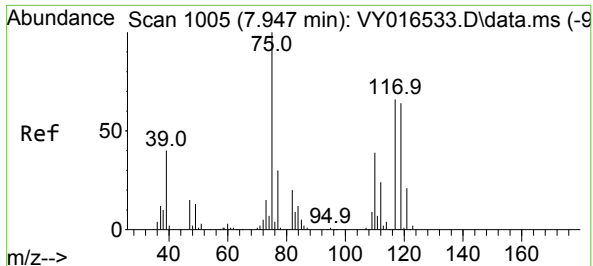
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

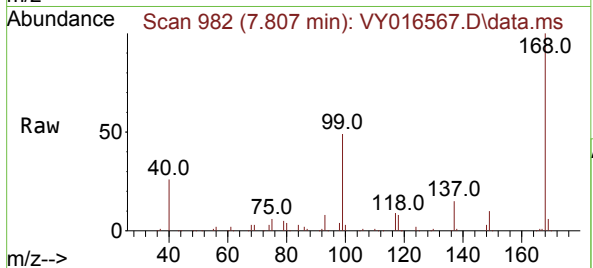
192 21.1 16.9 25.3



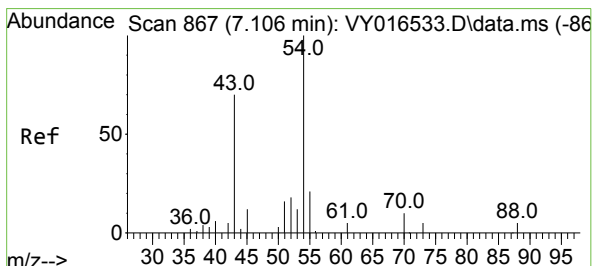
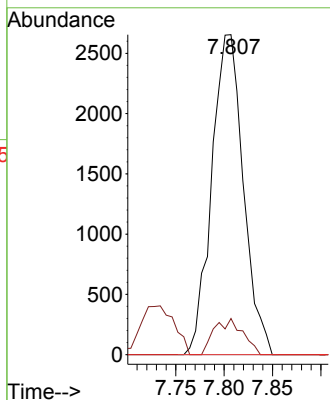
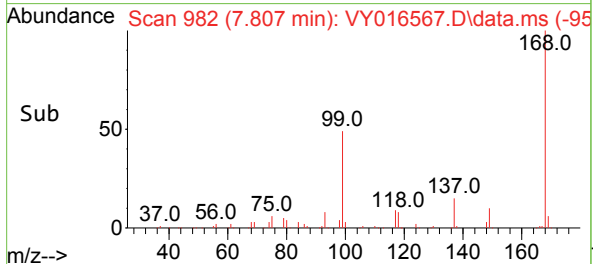


#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

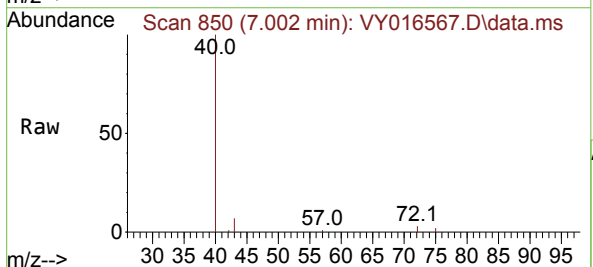
Instrument :
MSVOA_Y
ClientSampleId :



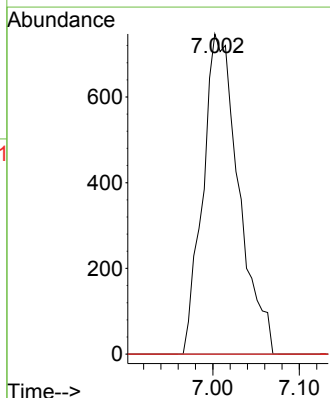
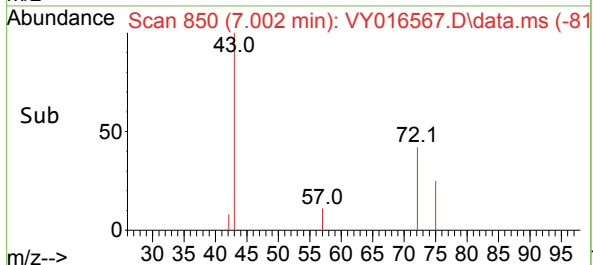
Tgt Ion: 75 Resp: 6034
Ion Ratio Lower Upper
75 100
110 4.8 17.8 53.5#
77 0.0 24.4 36.6#

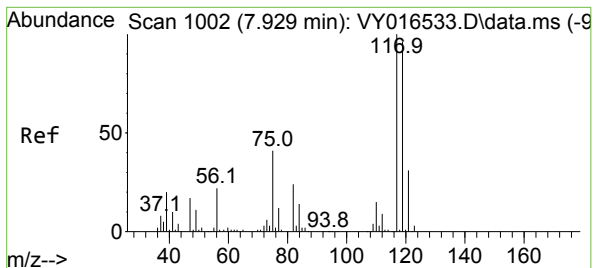


#37
Ethyl Acetate
Concen: 4.772 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.104 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46



Tgt Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.489 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.128 min

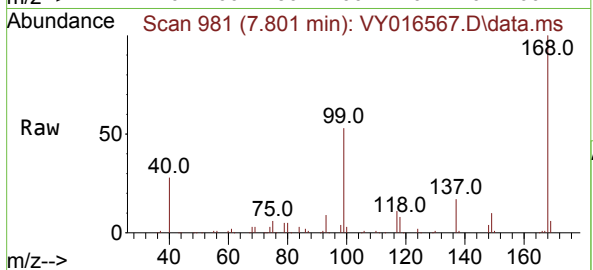
Lab File: VY016567.D

Acq: 01 Dec 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :



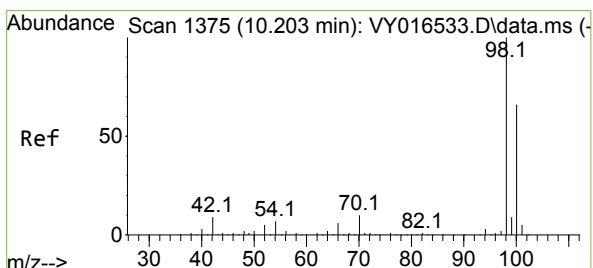
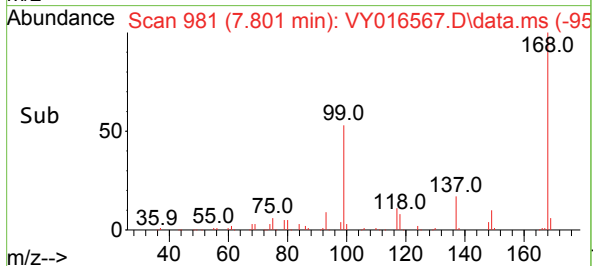
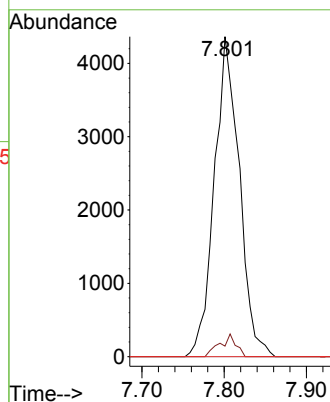
Tgt Ion:117 Resp: 9218

Ion Ratio Lower Upper

117 100

119 3.3 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.841 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.012 min

Lab File: VY016567.D

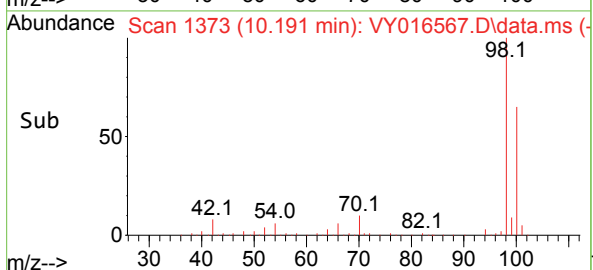
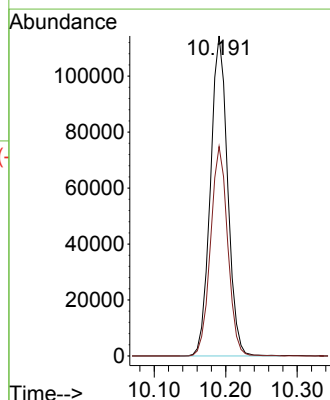
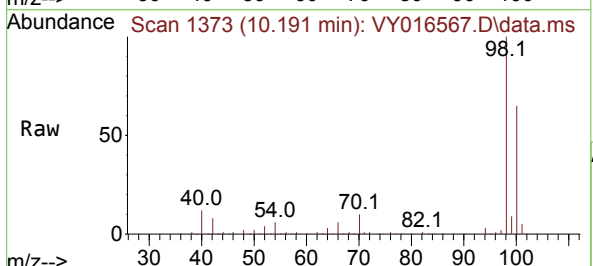
Acq: 01 Dec 2023 17:46

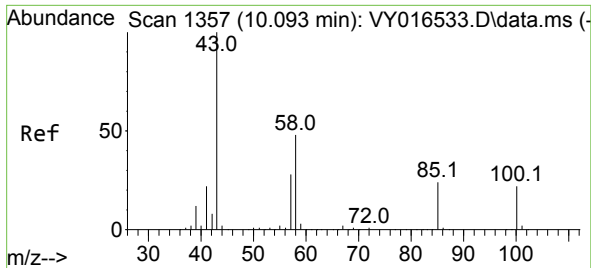
Tgt Ion: 98 Resp: 191044

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

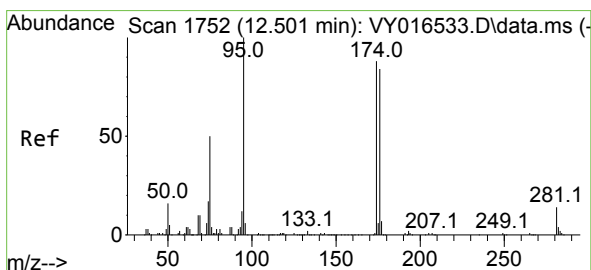
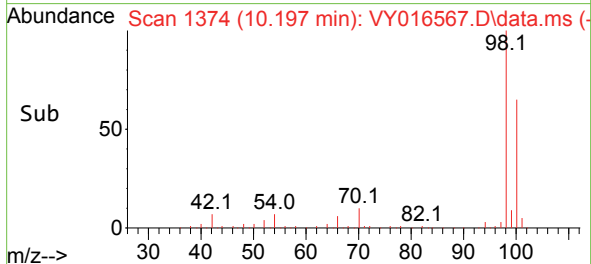
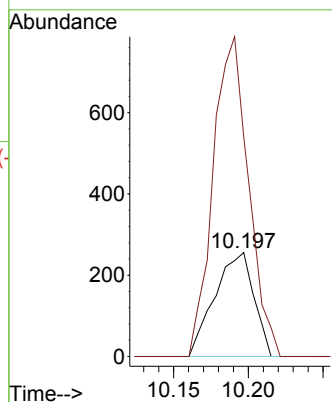
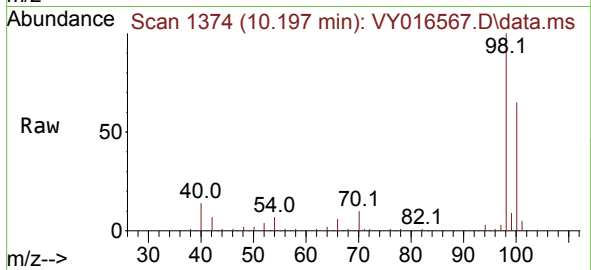




#51
4-Methyl-2-Pentanone
Concen: 1.009 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

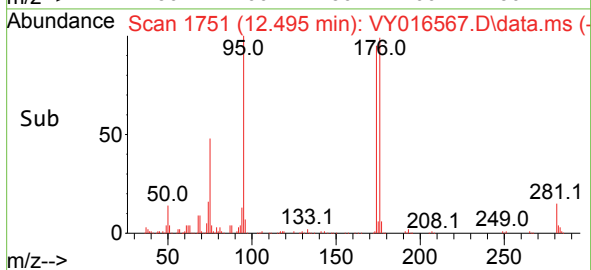
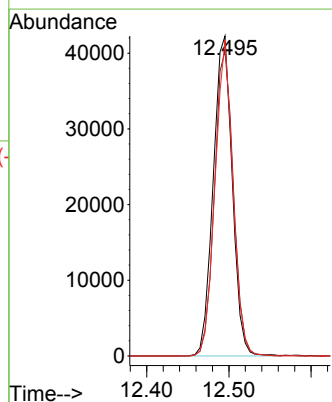
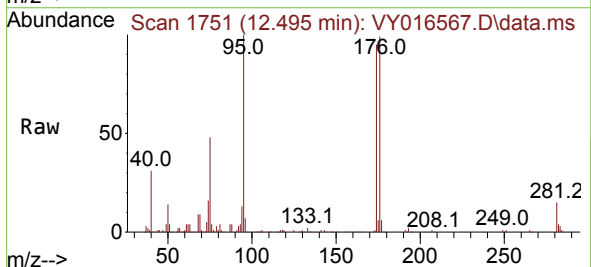
Instrument :
MSVOA_Y
ClientSampleId :

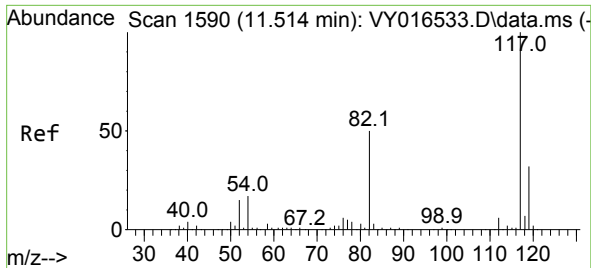
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 278.9 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 57.555 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Tgt Ion: 95 Resp: 67846
Ion Ratio Lower Upper
95 100
174 95.1 0.0 178.2
176 92.9 0.0 173.8

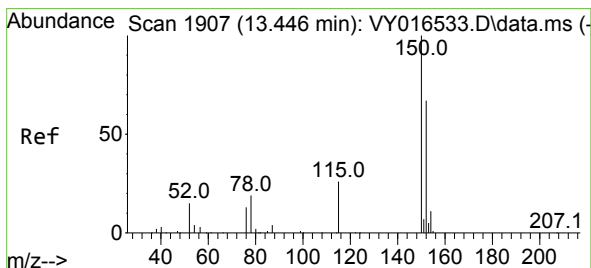
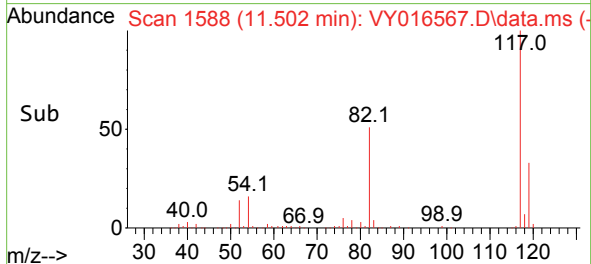
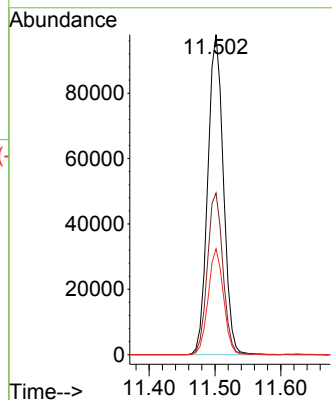
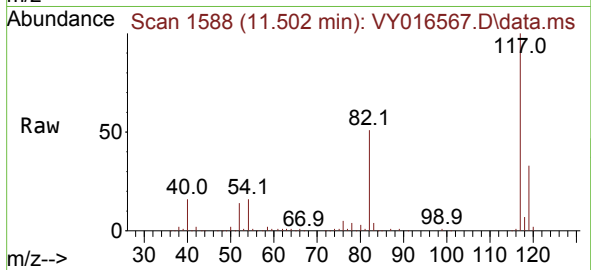




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

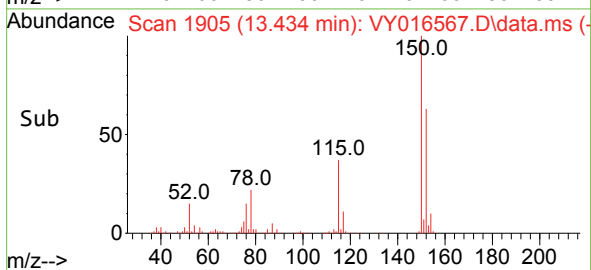
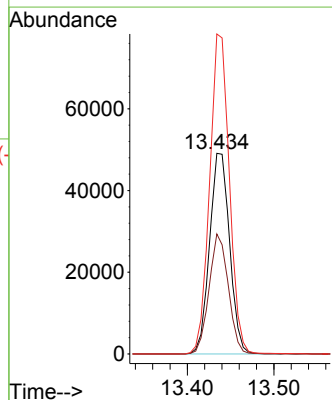
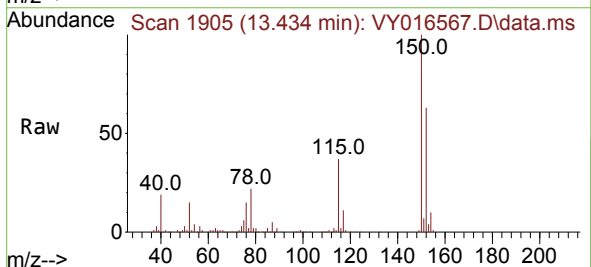
Instrument :
MSVOA_Y
ClientSampleId :

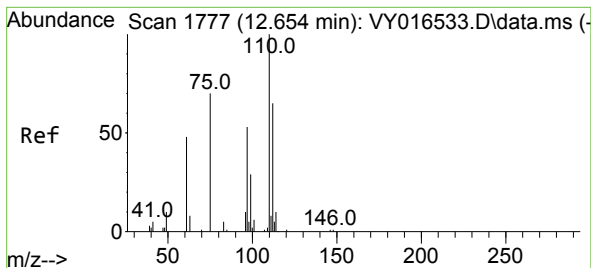
Tgt Ion:117 Resp: 161887
Ion Ratio Lower Upper
117 100
82 50.5 43.4 65.0
119 33.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.012 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Tgt Ion:152 Resp: 78923
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 156.9 0.0 348.8

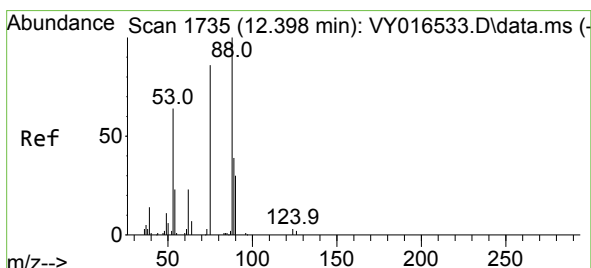
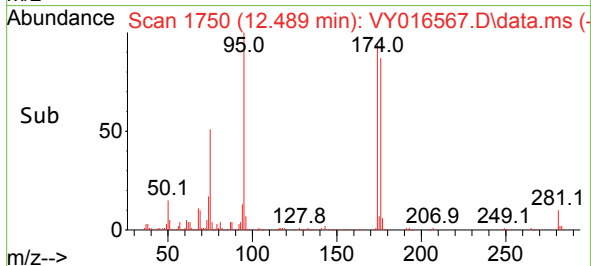
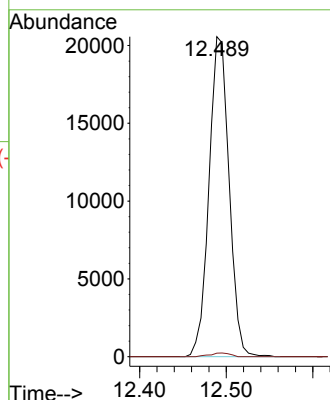
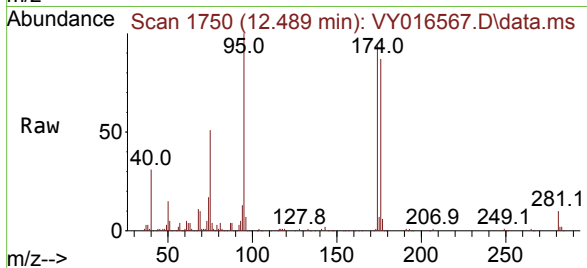




#76
1,2,3-Trichloropropane
Concen: 49.997 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.165 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

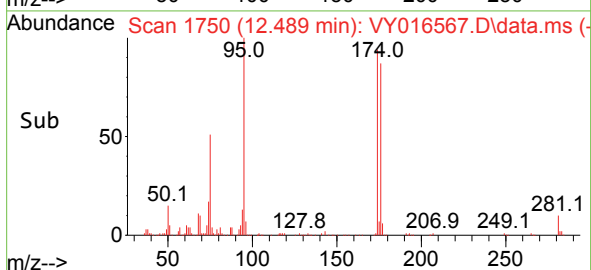
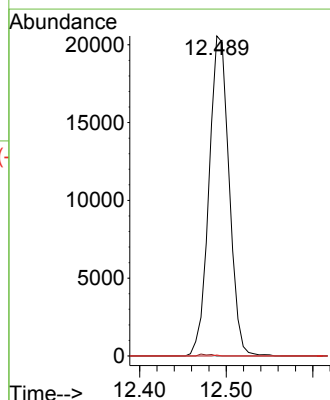
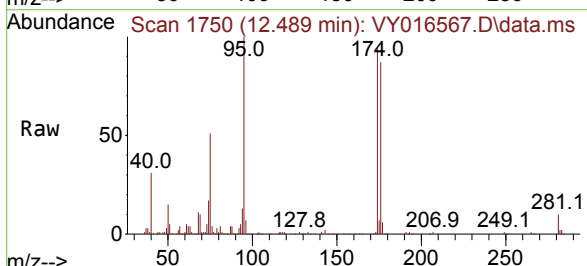
Instrument :
MSVOA_Y
ClientSampleId :

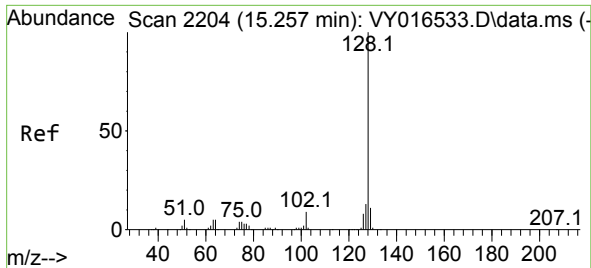
Tgt Ion: 75 Resp: 33131
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.042 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.091 min
Lab File: VY016567.D
Acq: 01 Dec 2023 17:46

Tgt Ion: 75 Resp: 33131
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#





#95

Naphthalene

Concen: 5.067 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

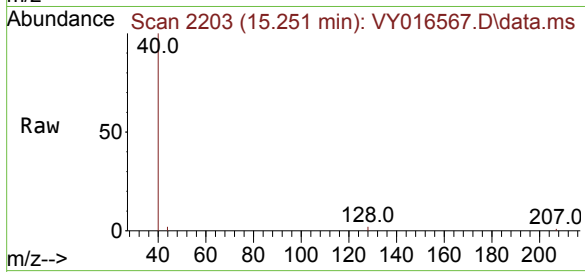
Lab File: VY016567.D

Acq: 01 Dec 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 373

Ion Ratio Lower Upper

128 100

127 6.7 10.8 16.2#

129 0.0 8.6 13.0#

