

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016196.D
 Acq On : 02 Nov 2023 17:32
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 03:18:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

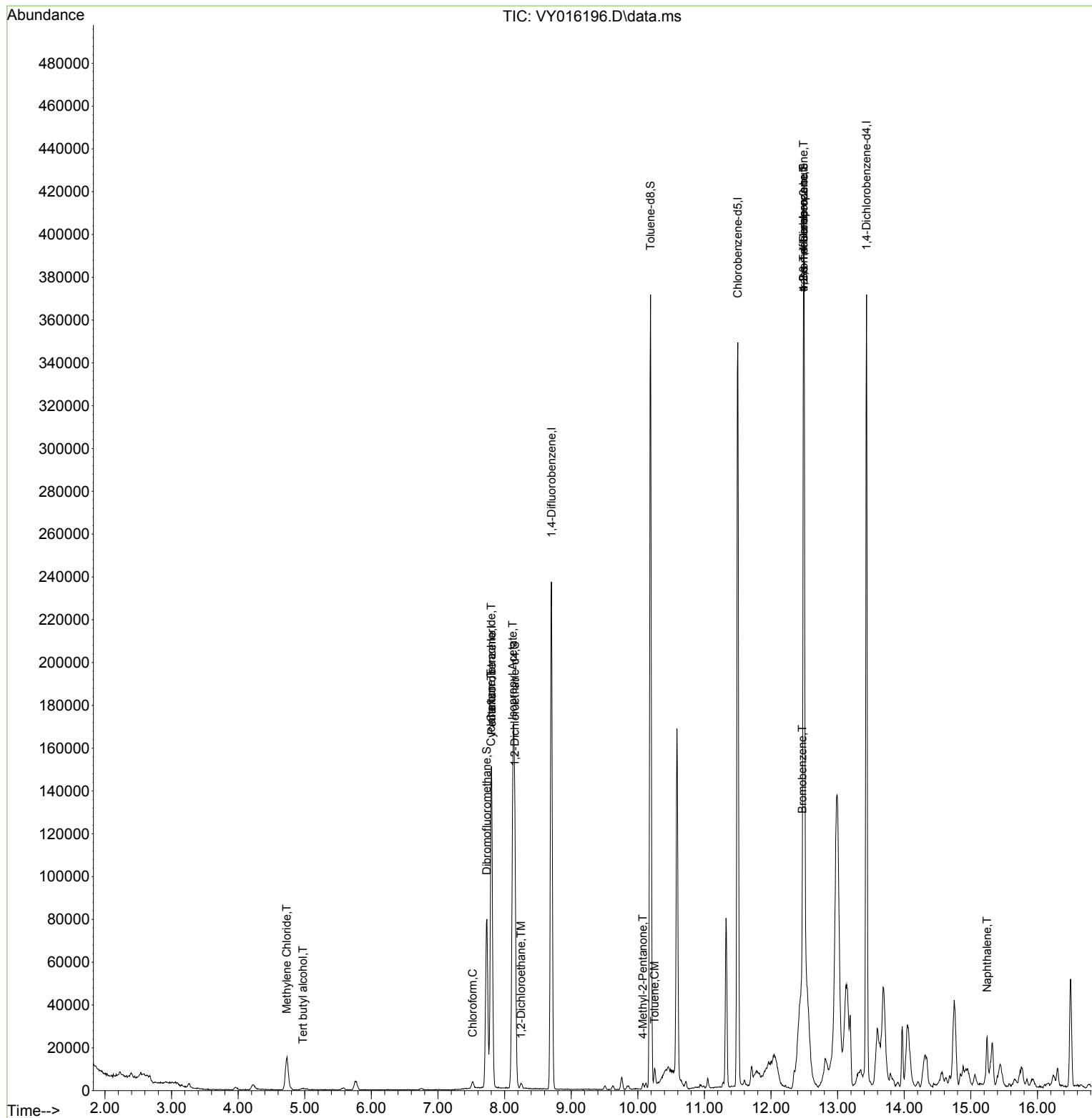
Internal Standards						
1) Pentafluorobenzene	7.807	168	121014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	206276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	194591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	93432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66830	59.018	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.040%
35) Dibromofluoromethane	7.734	113	56410	45.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.740%
50) Toluene-d8	10.191	98	243224	49.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.489	95	88994	53.378	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1641	19.396	ug/l #	89
16) Acetone	3.960	43	2227	Below Cal	#	88
20) Methylene Chloride	4.729	84	11847	7.710	ug/l #	88
30) Chloroform	7.521	83	2991	1.386	ug/l	98
31) Cyclohexane	7.795	56	2456	1.411	ug/l #	11
38) Carbon Tetrachloride	7.801	117	11706	6.654	ug/l #	16
42) 1,2-Dichloroethane	8.246	62	2117	1.488	ug/l	94
43) Isopropyl Acetate	8.124	43	3330	2.129	ug/l #	1
51) 4-Methyl-2-Pentanone	10.075	43	2111	2.704	ug/l	96
52) Toluene	10.252	92	3711	1.123	ug/l	99
76) 1,2,3-Trichloropropane	12.489	75	48711	55.362	ug/l #	100
77) Bromobenzene	12.471	156	58048	36.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	48711	120.038	ug/l #	11
95) Naphthalene	15.245	128	16833	5.177	ug/l #	93

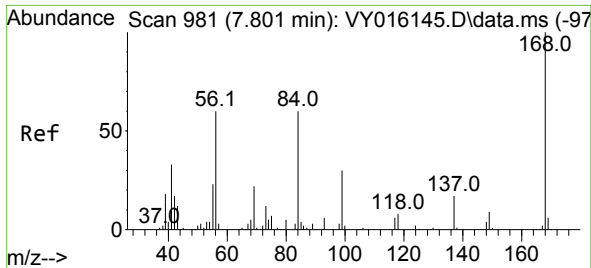
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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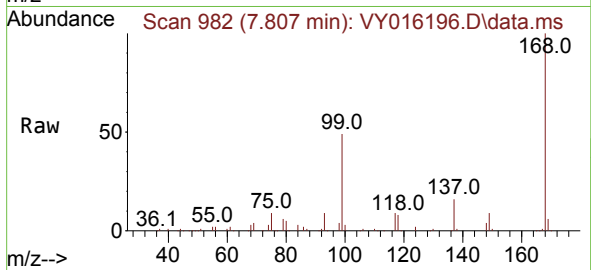
Quant Time: Nov 03 03:18:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



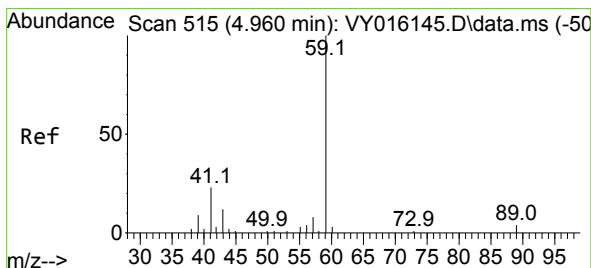
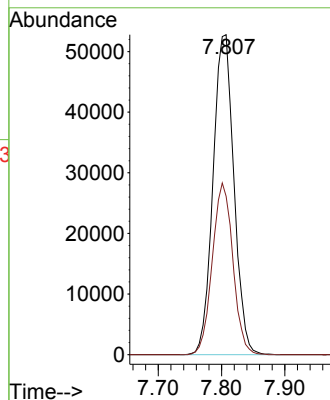
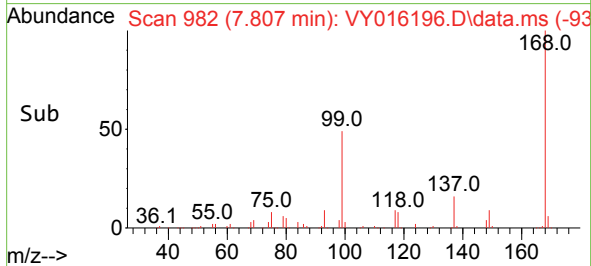


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :

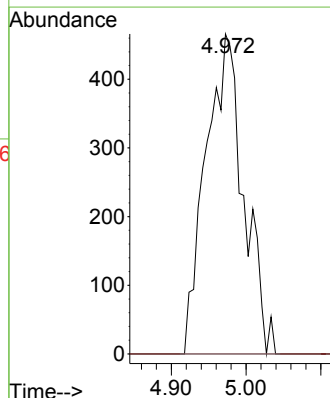
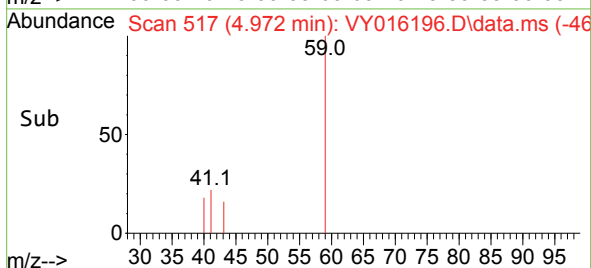
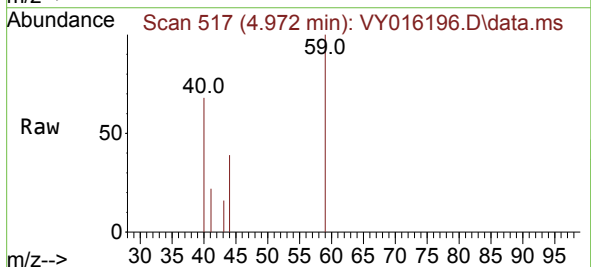


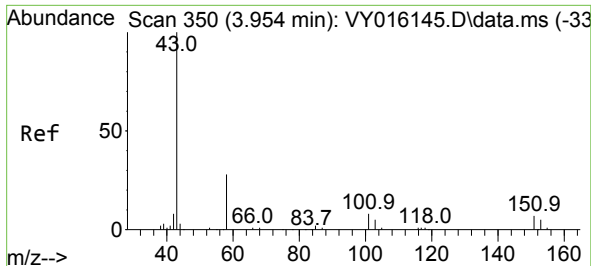
Tgt Ion:168 Resp: 121014
Ion Ratio Lower Upper
168 100
99 49.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 19.396 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

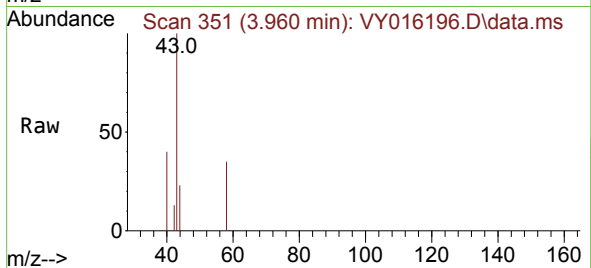
Tgt Ion: 59 Resp: 1641
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



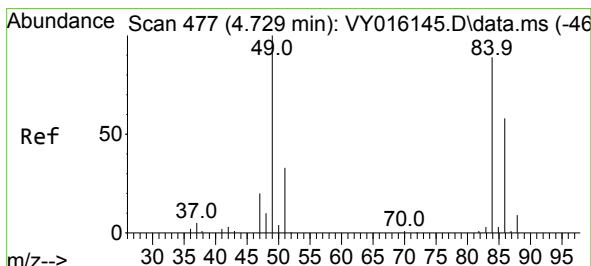
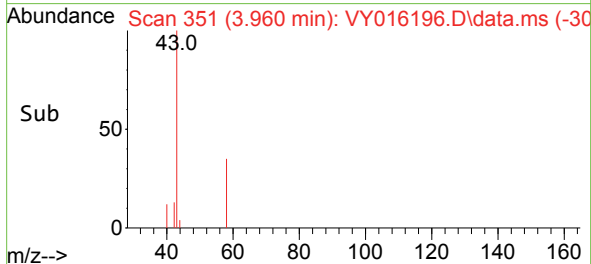
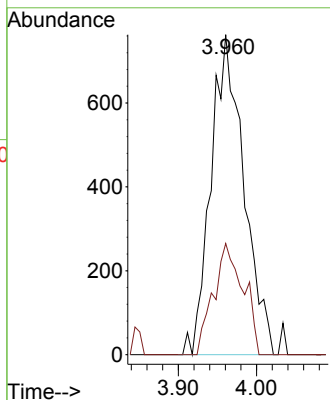


#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :

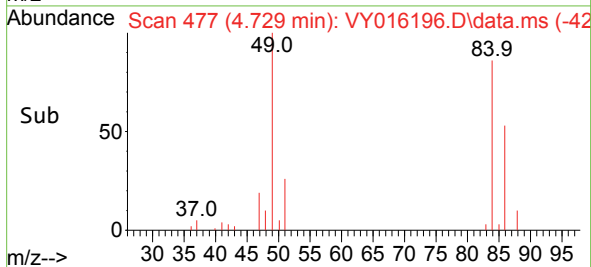
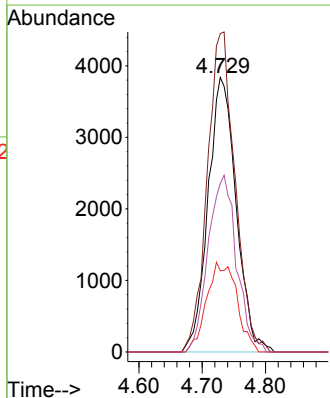
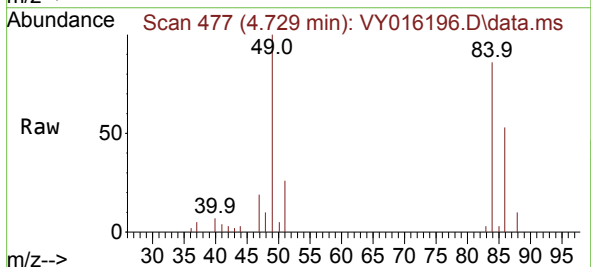


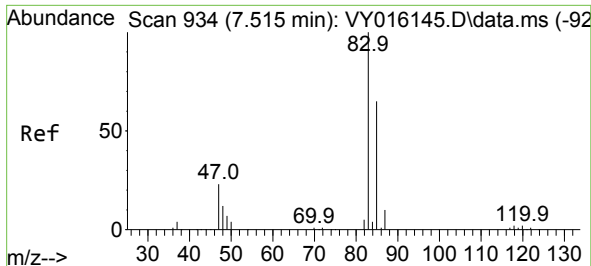
Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
58 34.7 22.7 34.1#



#20
Methylene Chloride
Concen: 7.710 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion: 84 Resp: 11847
Ion Ratio Lower Upper
84 100
49 116.0 106.9 160.3
51 29.6 33.2 49.8#
86 61.4 51.0 76.6

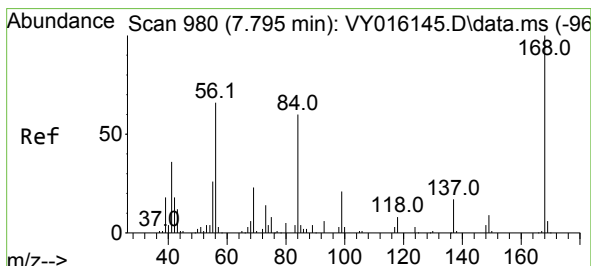
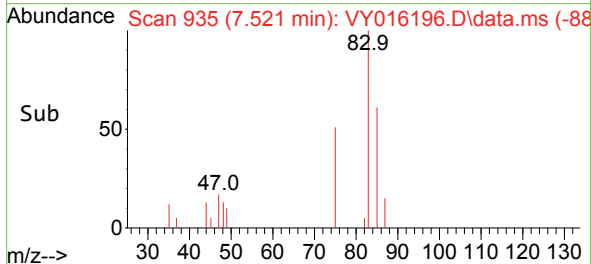
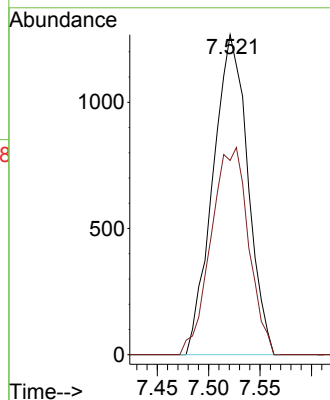
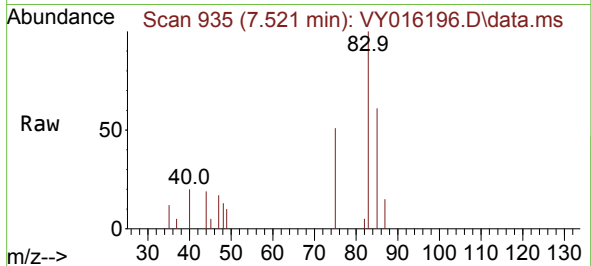




#30
Chloroform
Concen: 1.386 ug/l
RT: 7.521 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

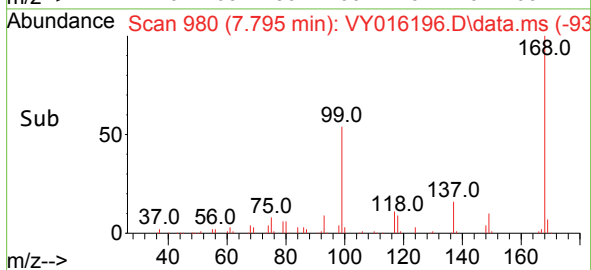
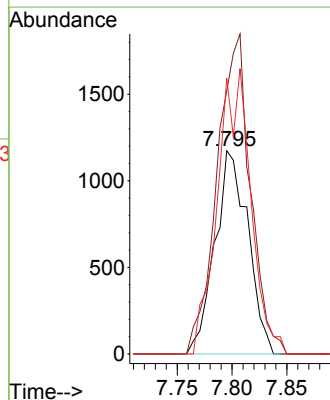
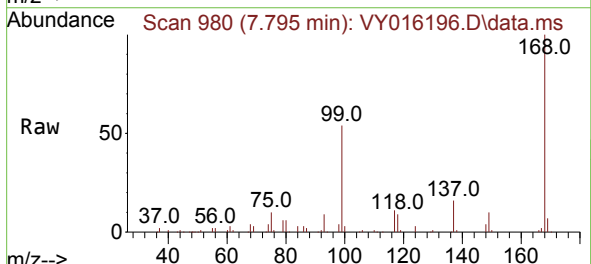
Instrument :
MSVOA_Y
ClientSampleId :

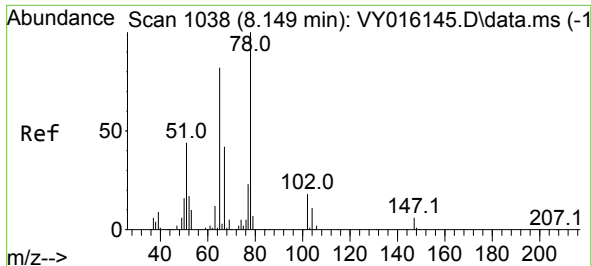
Tgt Ion: 83 Resp: 2991
Ion Ratio Lower Upper
83 100
85 60.7 49.7 74.5



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion: 56 Resp: 2456
Ion Ratio Lower Upper
56 100
69 129.3 27.8 41.6#
84 135.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.018 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

Instrument :

MSVOA_Y

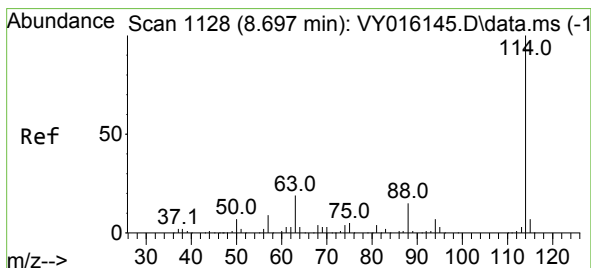
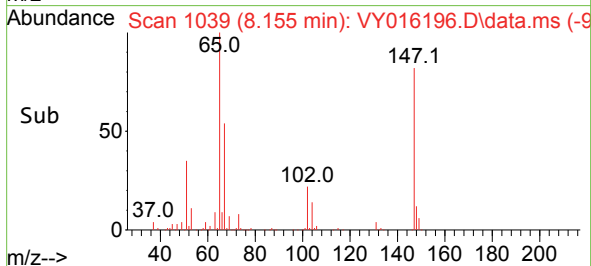
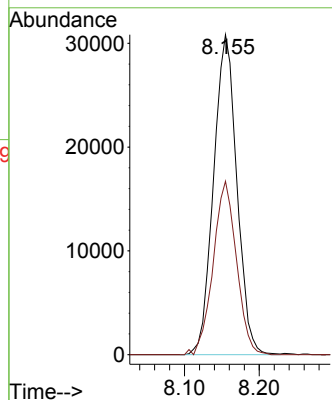
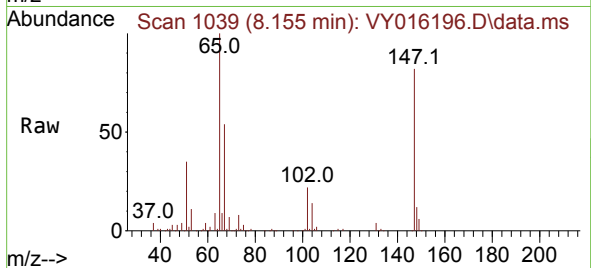
ClientSampleId :

Tgt Ion: 65 Resp: 66830

Ion Ratio Lower Upper

65 100

67 54.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

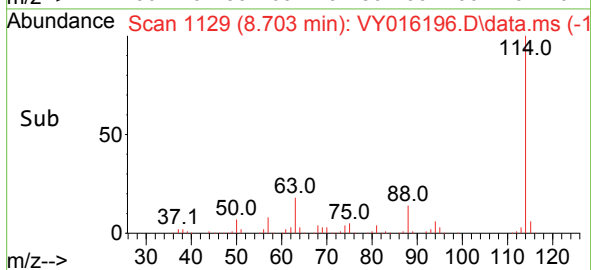
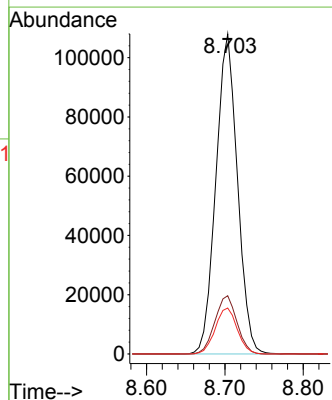
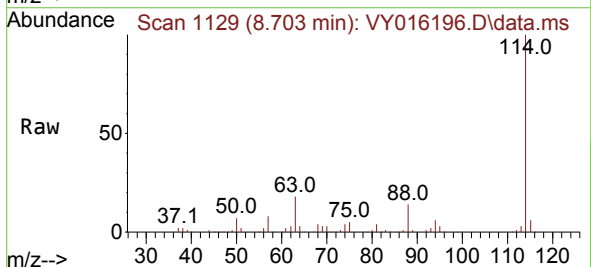
Tgt Ion: 114 Resp: 206276

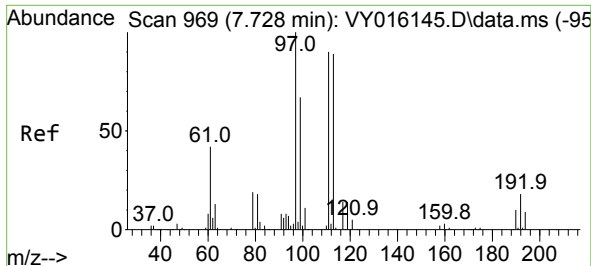
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

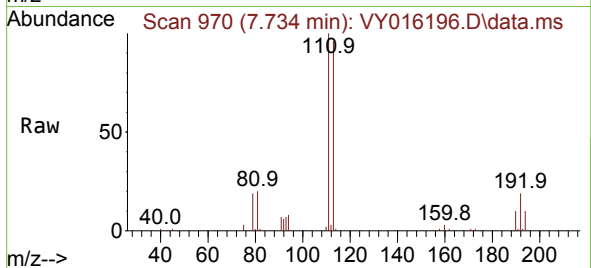
88 14.4 0.0 30.6



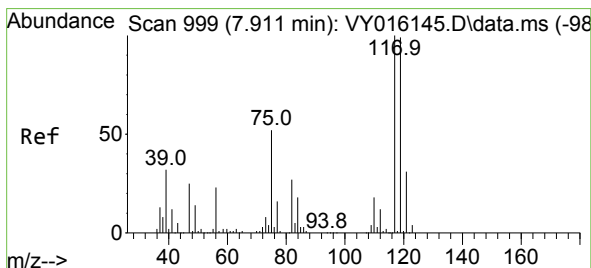
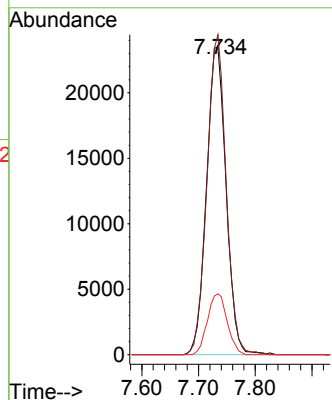
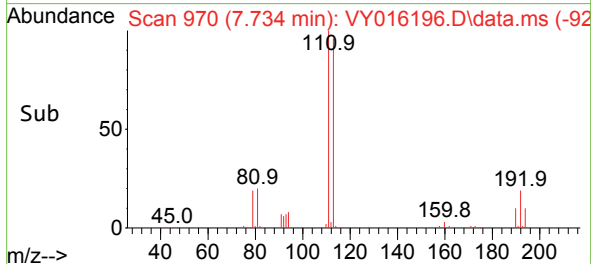


#35
Dibromofluoromethane
Concen: 45.871 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :

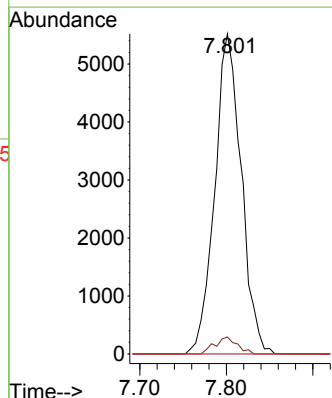
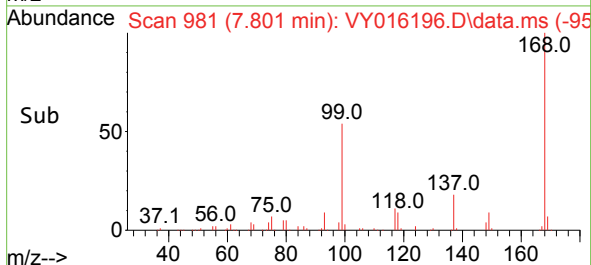
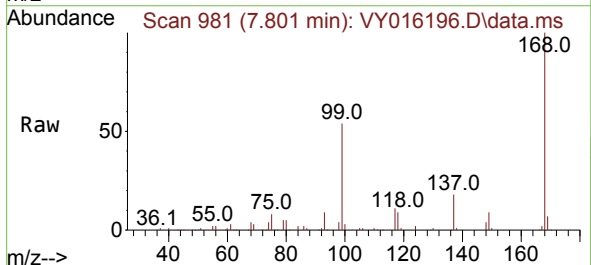


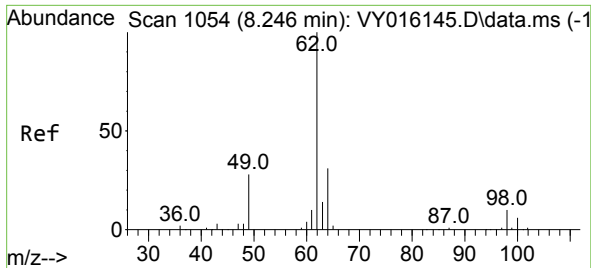
Tgt Ion:113 Resp: 56410
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.9 16.9 25.3



#38
Carbon Tetrachloride
Concen: 6.654 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion:117 Resp: 11706
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#





#42

1,2-Dichloroethane

Concen: 1.488 ug/l

RT: 8.246 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

Instrument :

MSVOA_Y

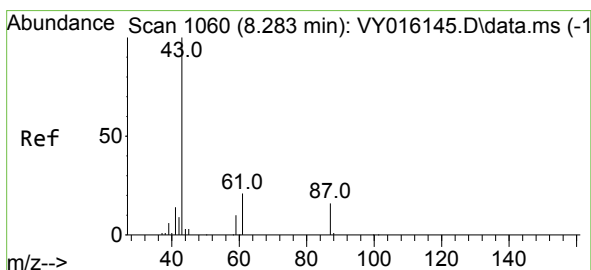
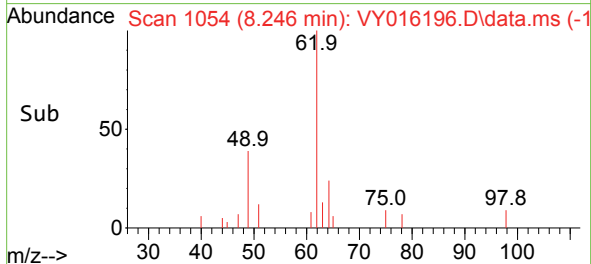
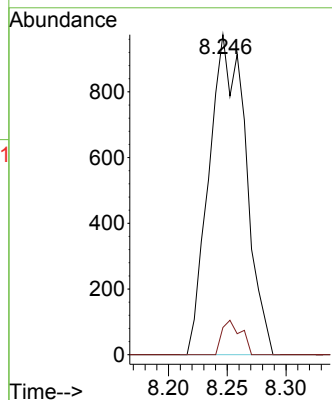
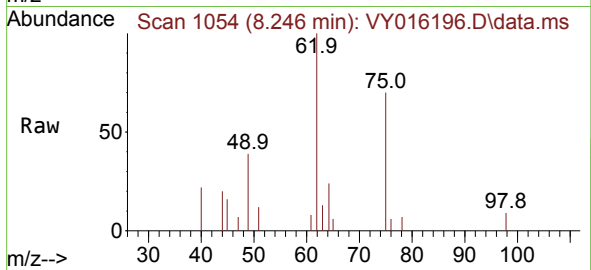
ClientSampleId :

Tgt Ion: 62 Resp: 2117

Ion Ratio Lower Upper

62 100

98 5.6 0.0 15.8



#43

Isopropyl Acetate

Concen: 2.129 ug/l

RT: 8.124 min Scan# 1034

Delta R.T. -0.158 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

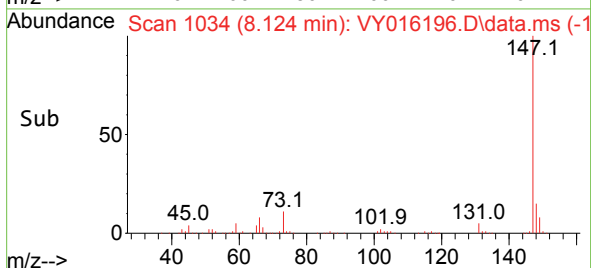
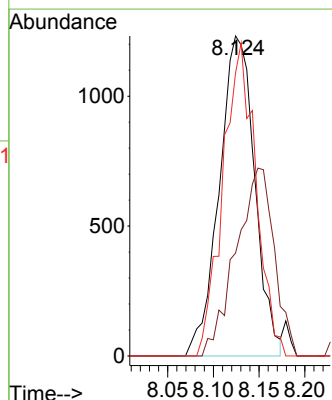
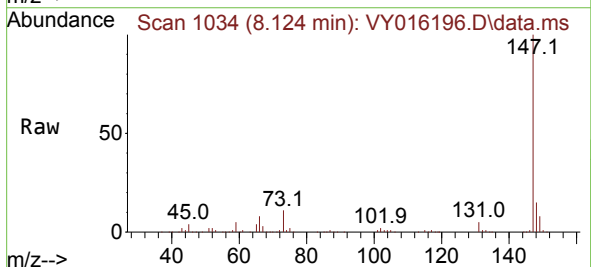
Tgt Ion: 43 Resp: 3330

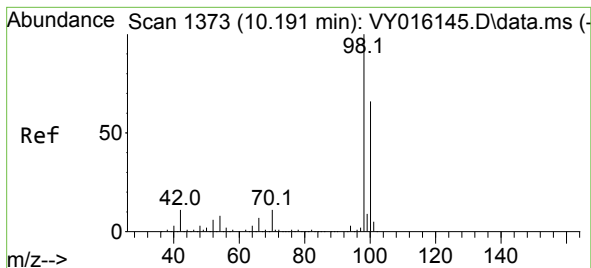
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 90.6 9.8 14.8#

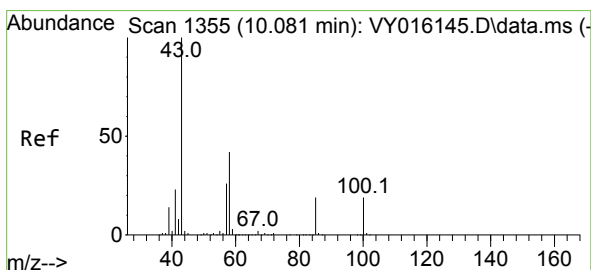
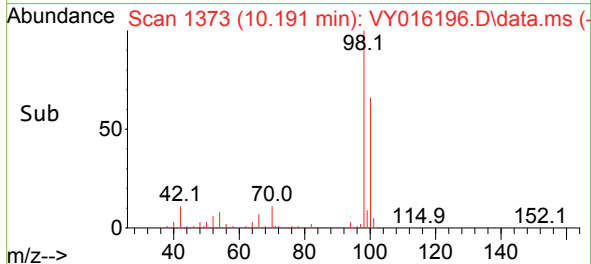
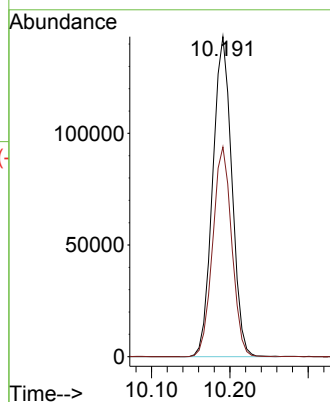
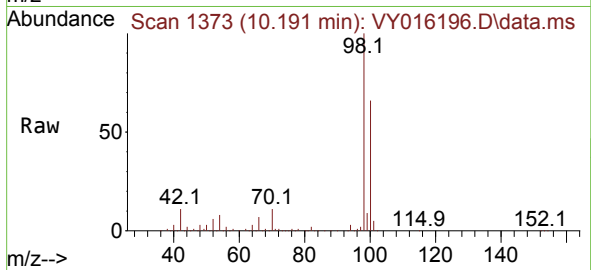




#50
Toluene-d8
Concen: 49.884 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

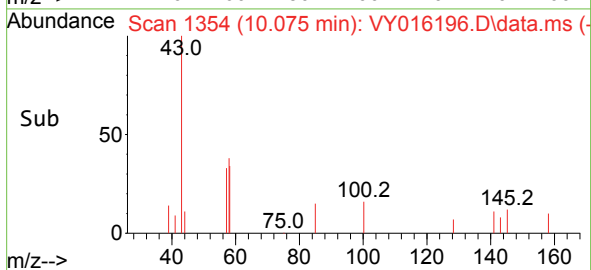
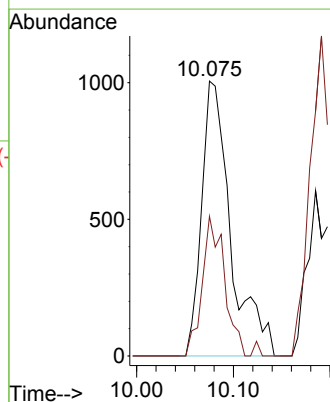
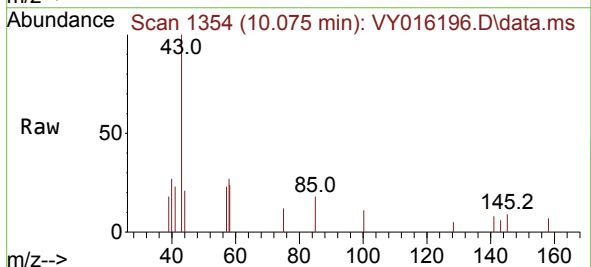
Instrument :
MSVOA_Y
ClientSampleId :

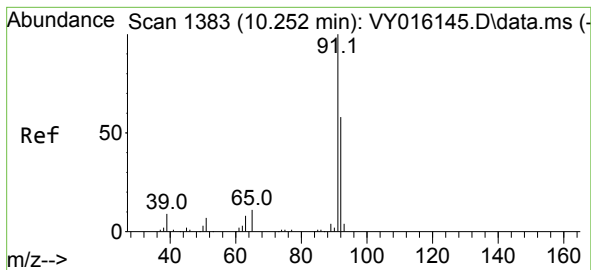
Tgt Ion: 98 Resp: 243224
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.704 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
58 38.7 29.0 43.6





#52

Toluene

Concen: 1.123 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

Instrument :

MSVOA_Y

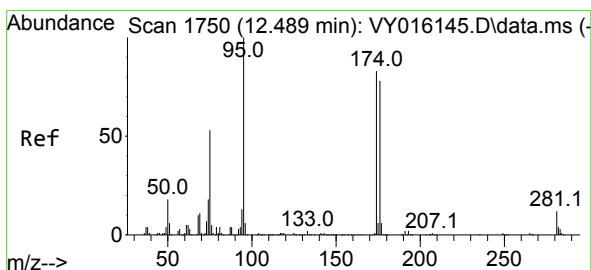
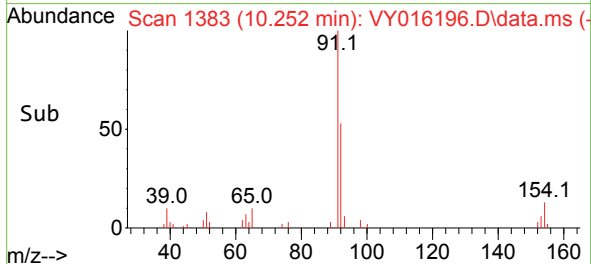
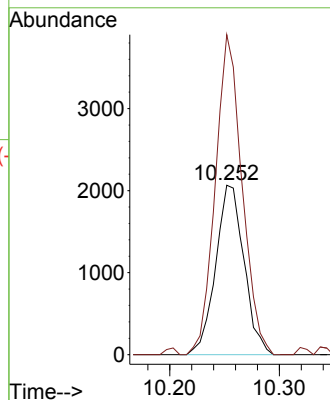
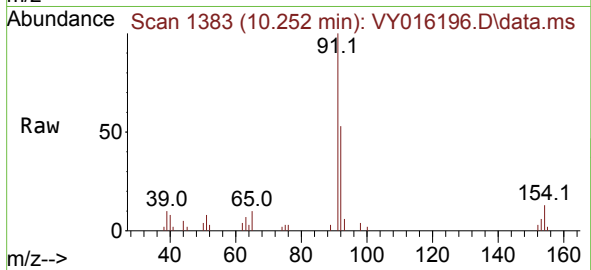
ClientSampleId :

Tgt Ion: 92 Resp: 3711

Ion Ratio Lower Upper

92 100

91 178.6 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.378 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

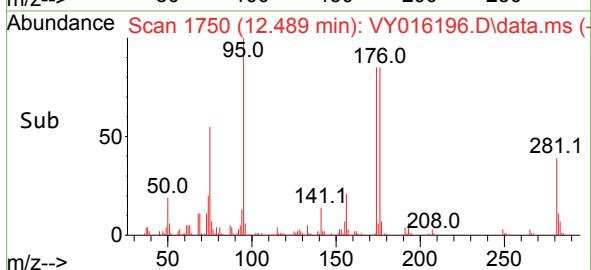
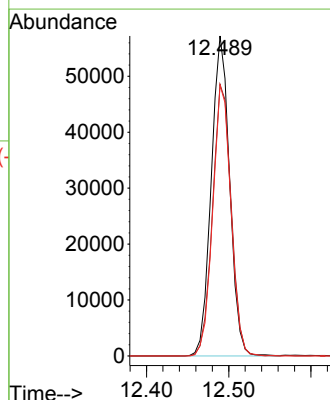
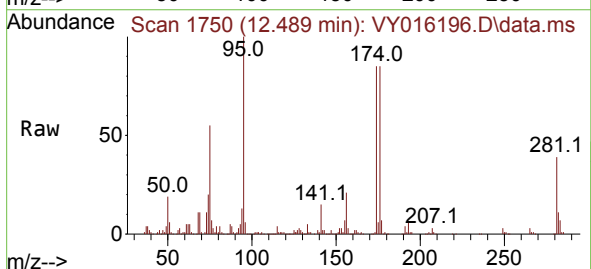
Tgt Ion: 95 Resp: 88994

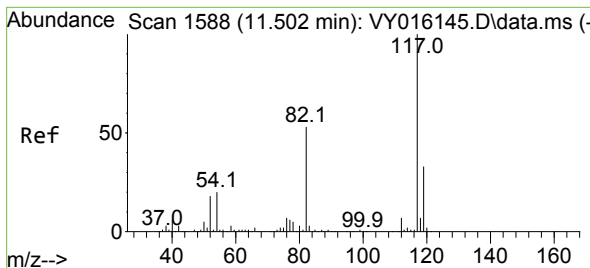
Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 83.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

Instrument :

MSVOA_Y

ClientSampleId :

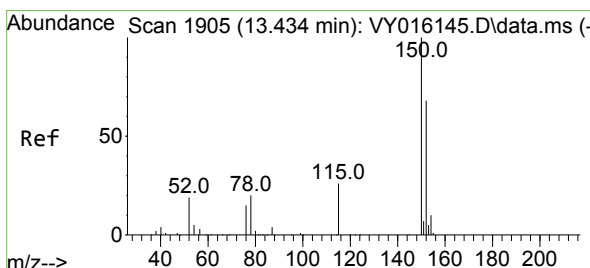
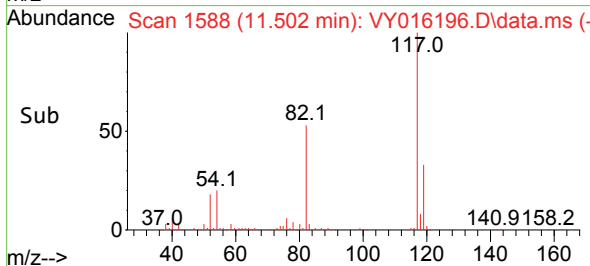
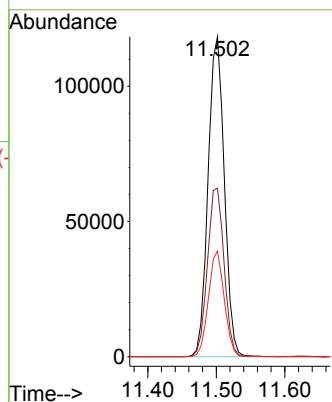
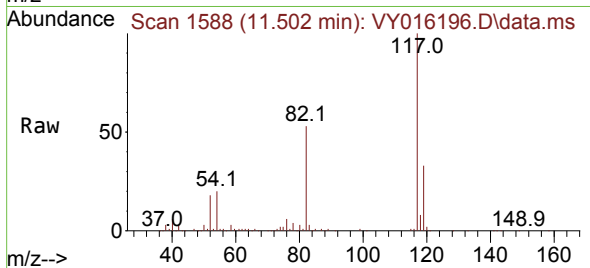
Tgt Ion:117 Resp: 194591

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 33.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016196.D

Acq: 02 Nov 2023 17:32

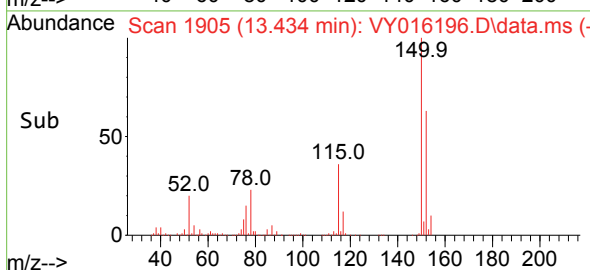
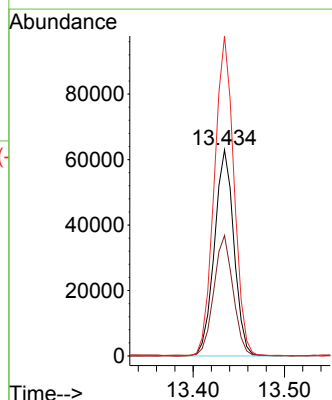
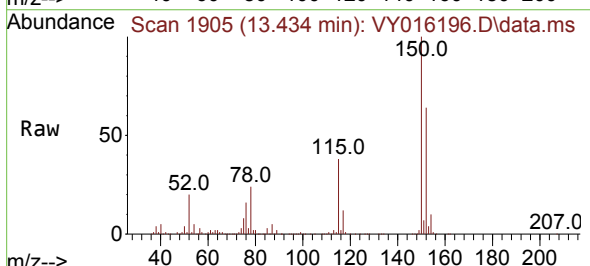
Tgt Ion:152 Resp: 93432

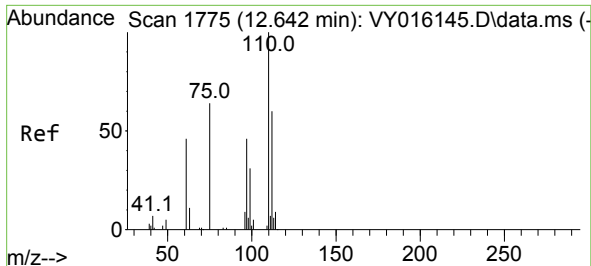
Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.4 0.0 348.8

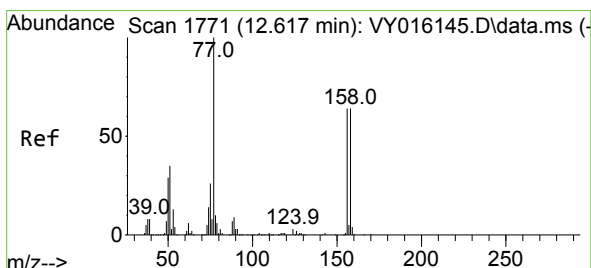
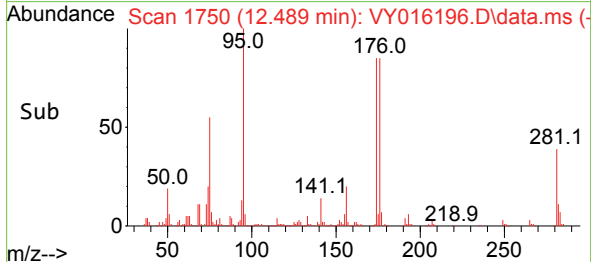
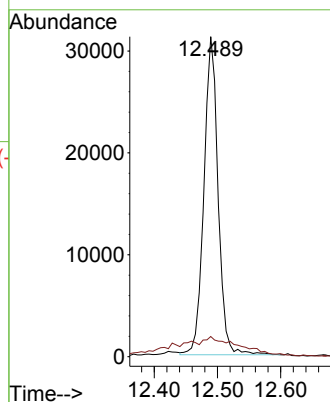
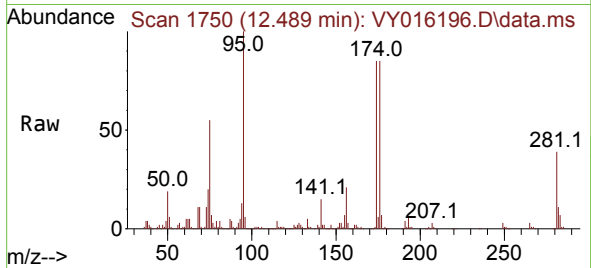




#76
1,2,3-Trichloropropane
Concen: 55.362 ug/l
RT: 12.489 min Scan# 1747
Delta R.T. -0.152 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

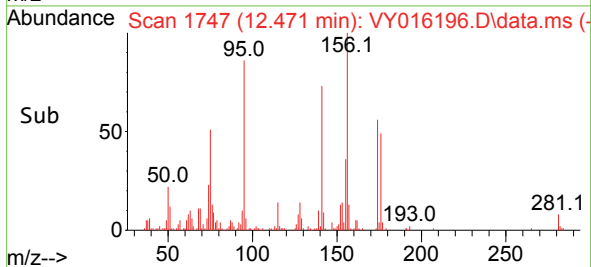
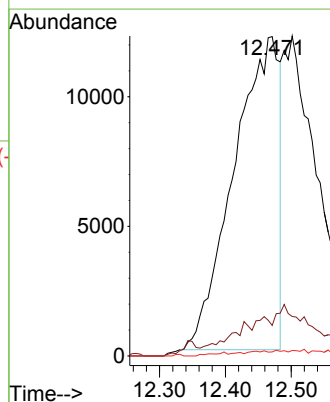
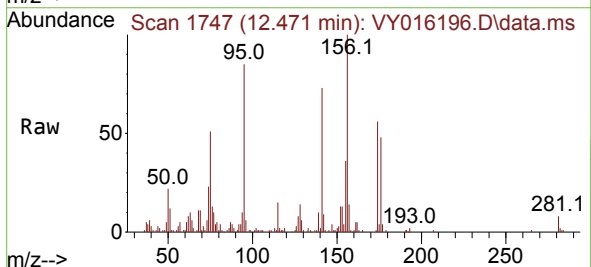
Instrument :
MSVOA_Y
ClientSampleId :

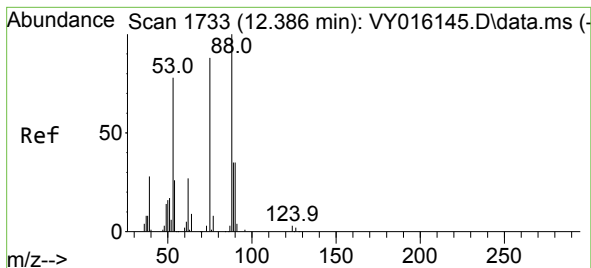
Tgt Ion: 75 Resp: 48711
Ion Ratio Lower Upper
75 100
77 15.3 0.0 0.0#



#77
Bromobenzene
Concen: 36.578 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.146 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion:156 Resp: 58048
Ion Ratio Lower Upper
156 100
77 12.8 92.8 278.6#
158 0.1 48.4 145.3#

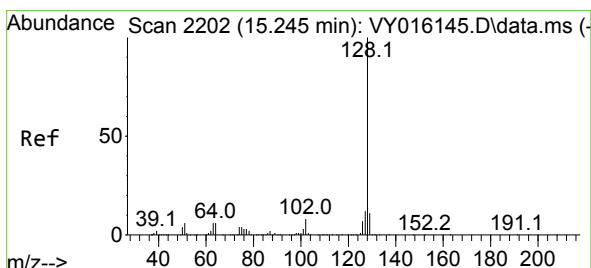
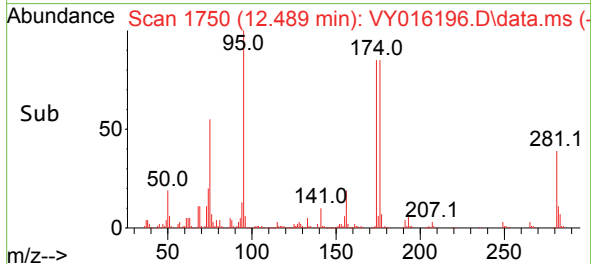
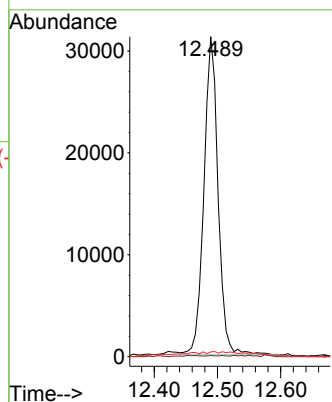
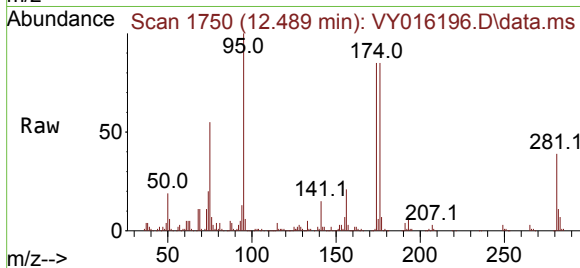




#81
trans-1,4-Dichloro-2-butene
Concen: 120.038 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 48711
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.6 37.4 56.0#



#95
Naphthalene
Concen: 5.177 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY016196.D
Acq: 02 Nov 2023 17:32

Tgt Ion:128 Resp: 16833
Ion Ratio Lower Upper
128 100
127 15.6 10.8 16.2
129 14.2 8.6 13.0#

