

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016190.D
 Acq On : 02 Nov 2023 15:11
 Operator : SY/MD
 Sample : 05214-05
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:41:27 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)

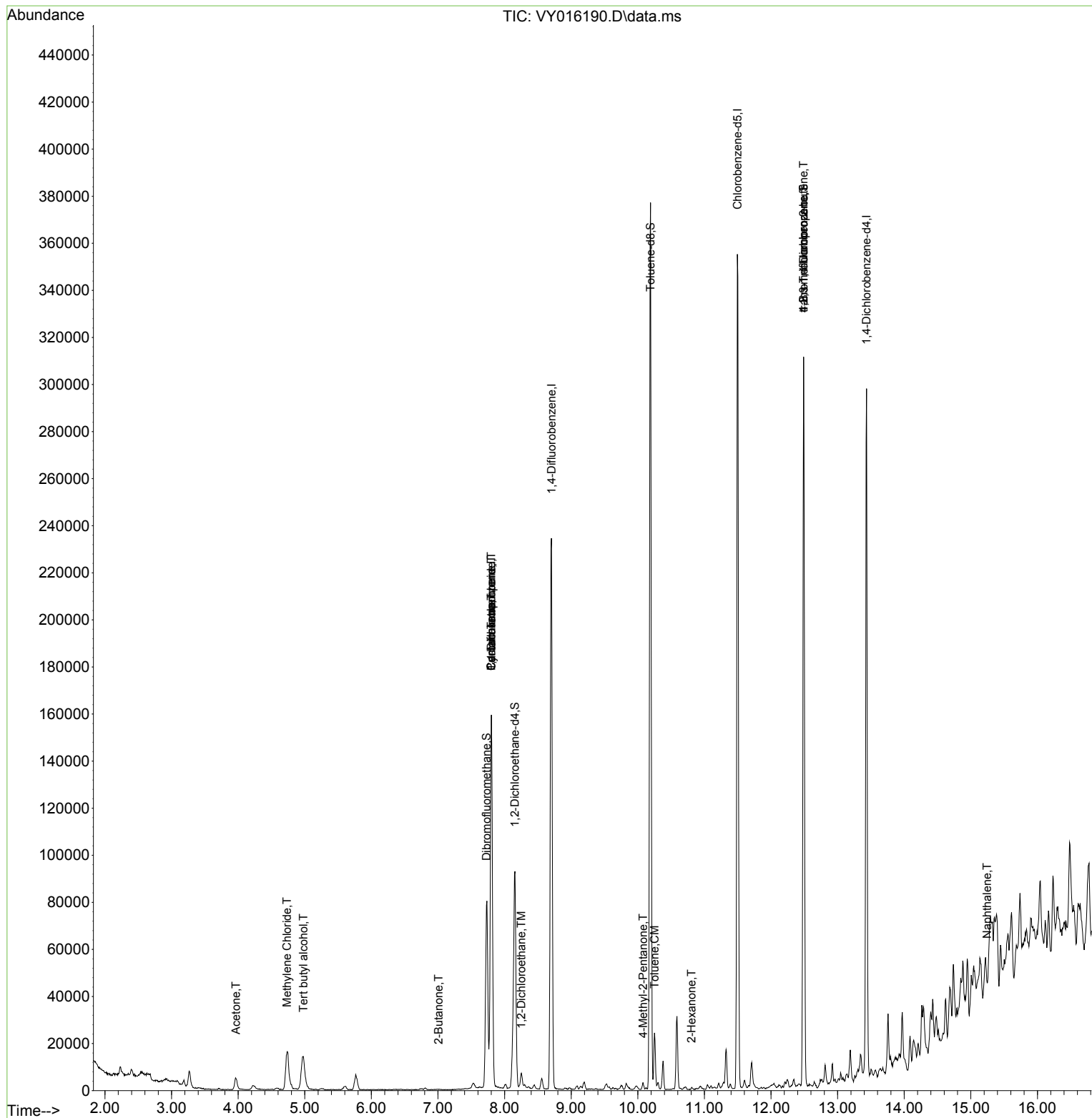
Internal Standards						
1) Pentafluorobenzene	7.801	168	123719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	206828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	196381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	75825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	67160	58.013	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.020%			
35) Dibromofluoromethane	7.728	113	56271	45.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.280%			
50) Toluene-d8	10.191	98	249829	51.102	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.489	95	83375	49.874	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.740%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	31516	364.364	ug/l #	82
16) Acetone	3.966	43	9331	34.007	ug/l	100
20) Methylene Chloride	4.734	84	13308	8.792	ug/l #	88
25) 2-Butanone	7.008	43	569	1.782	ug/l #	49
31) Cyclohexane	7.801	56	3328	1.870	ug/l #	24
36) 1,1-Dichloropropene	7.801	75	10184	5.720	ug/l #	49
38) Carbon Tetrachloride	7.801	117	12238	6.938	ug/l #	15
42) 1,2-Dichloroethane	8.252	62	2970	2.082	ug/l	98
51) 4-Methyl-2-Pentanone	10.081	43	1771	2.263	ug/l	94
52) Toluene	10.252	92	9881	2.983	ug/l	94
59) 2-Hexanone	10.807	43	730	1.361	ug/l #	27
76) 1,2,3-Trichloropropane	12.489	75	43638	61.113	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	43638	132.508	ug/l #	11
95) Naphthalene	15.245	128	2640	1.000	ug/l #	67

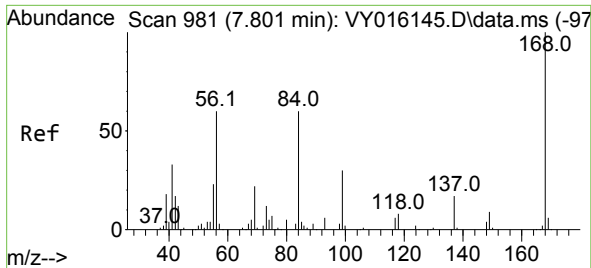
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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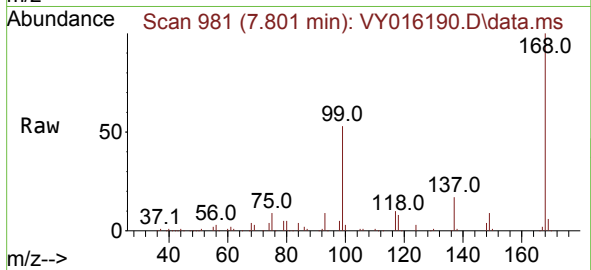
Quant Time: Nov 03 01:41:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



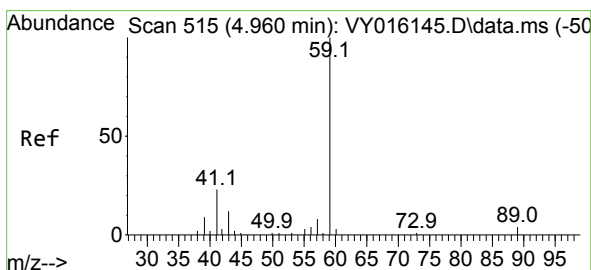
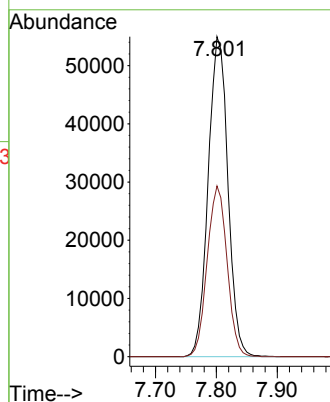
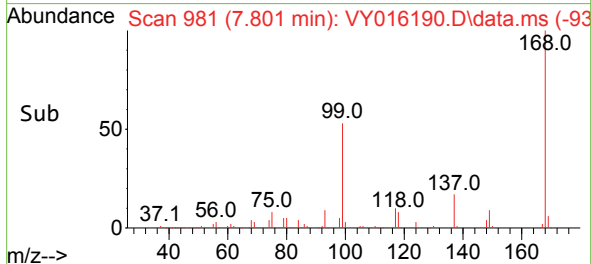


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :

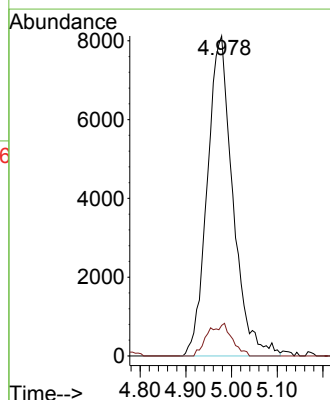
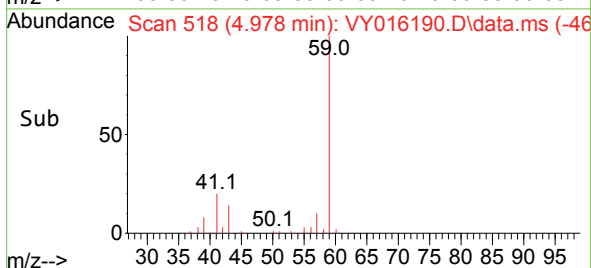
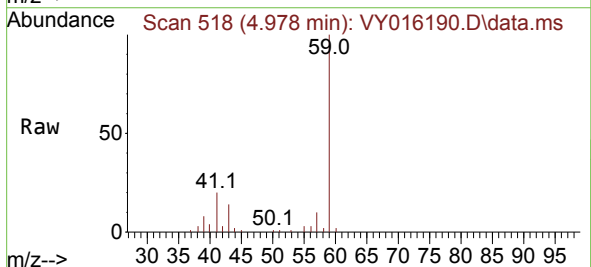


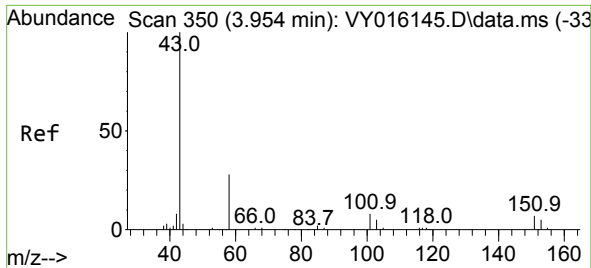
Tgt Ion:168 Resp: 123719
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 364.364 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.018 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

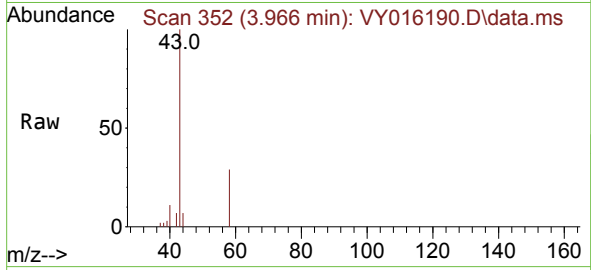
Tgt Ion: 59 Resp: 31516
Ion Ratio Lower Upper
59 100
57 9.7 3.0 4.4#



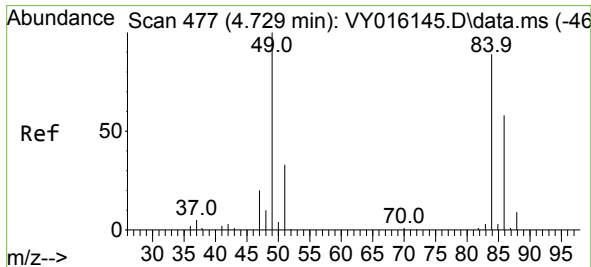
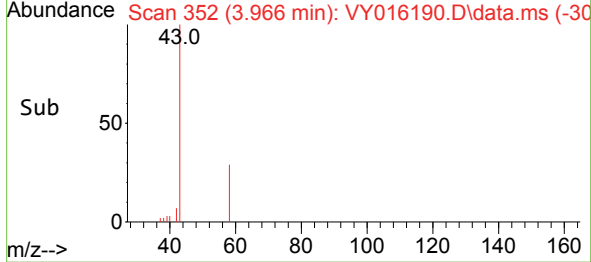
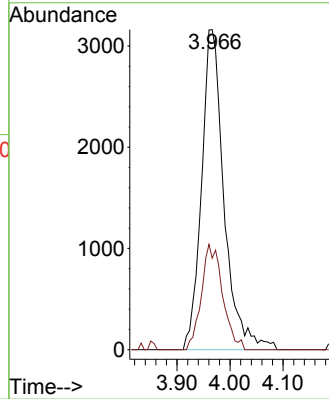


#16
Acetone
Concen: 34.007 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :

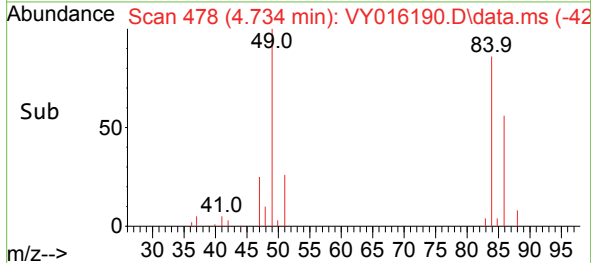
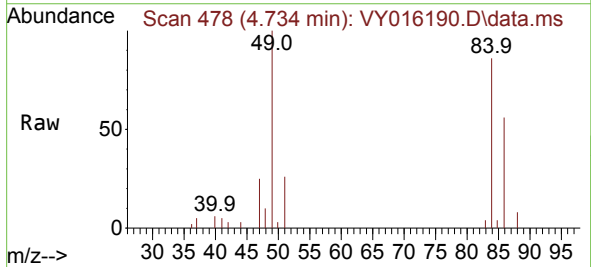
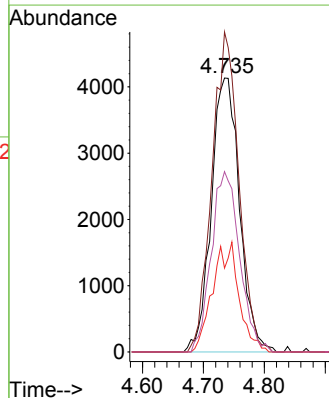


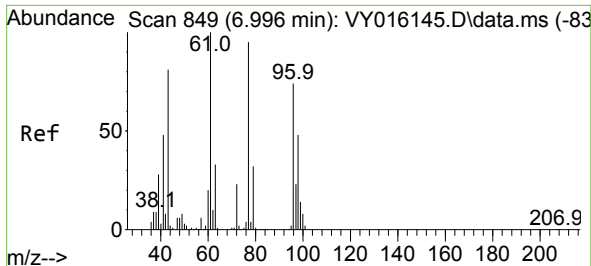
Tgt Ion: 43 Resp: 9331
Ion Ratio Lower Upper
43 100
58 28.6 22.7 34.1



#20
Methylene Chloride
Concen: 8.792 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.005 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

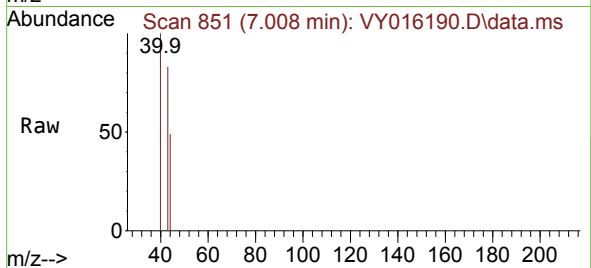
Tgt Ion: 84 Resp: 13308
Ion Ratio Lower Upper
84 100
49 116.8 106.9 160.3
51 30.6 33.2 49.8#
86 65.8 51.0 76.6



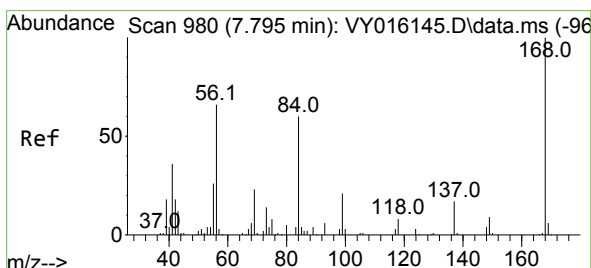
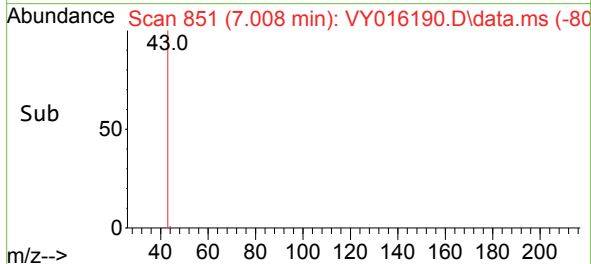
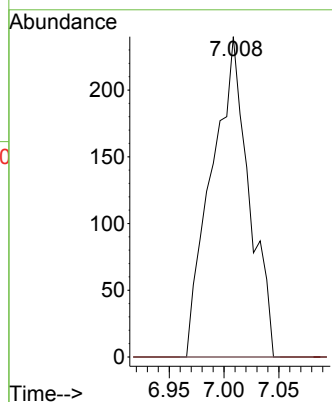


#25
2-Butanone
Concen: 1.782 ug/l
RT: 7.008 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :

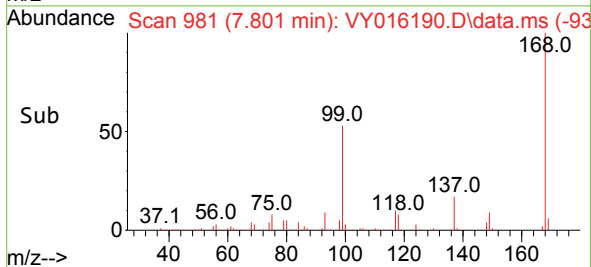
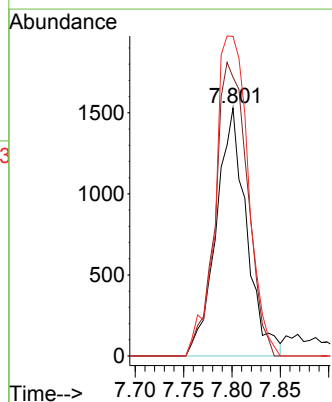
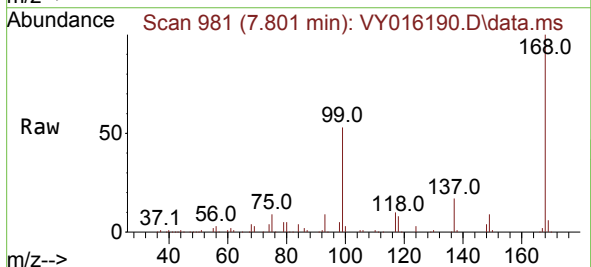


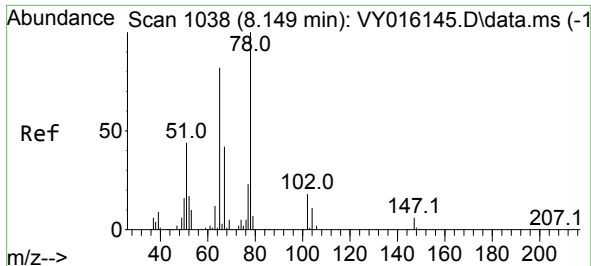
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.870 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion: 56 Resp: 3328
Ion Ratio Lower Upper
56 100
69 112.4 27.8 41.6#
84 128.9 66.4 99.6#

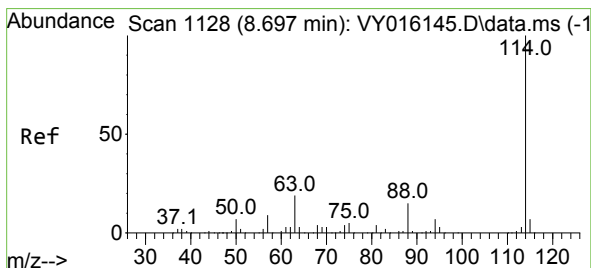
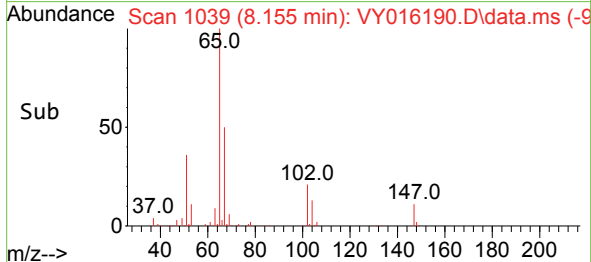
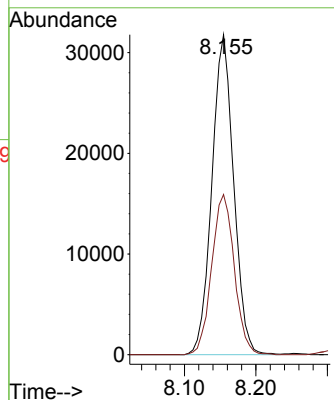
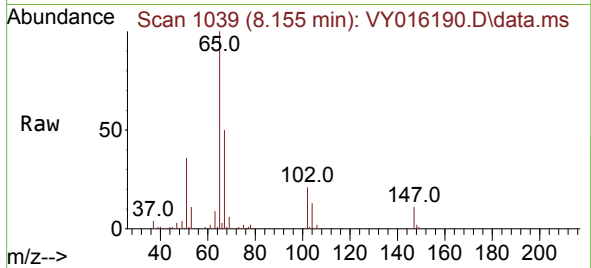




#33
 1,2-Dichloroethane-d4
 Concen: 58.013 ug/l
 RT: 8.155 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VY016190.D
 Acq: 02 Nov 2023 15:11

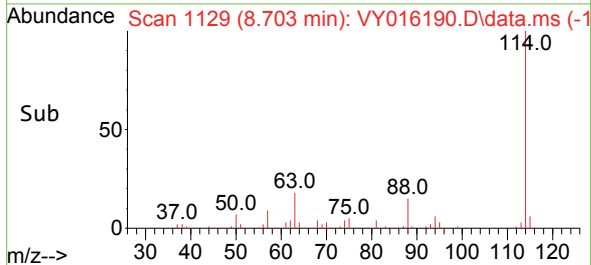
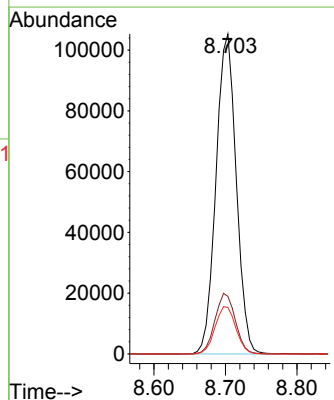
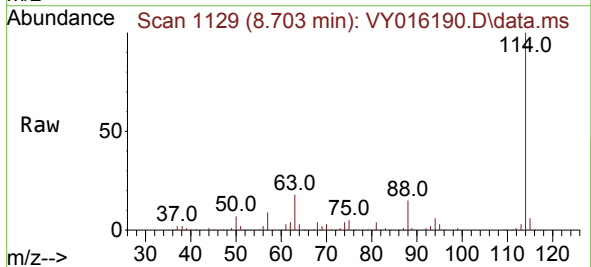
Instrument :
 MSVOA_Y
 ClientSampleId :

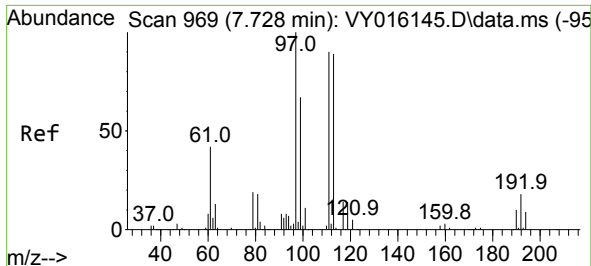
Tgt Ion: 65 Resp: 67160
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY016190.D
 Acq: 02 Nov 2023 15:11

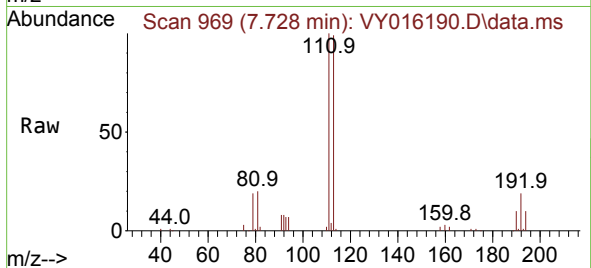
Tgt Ion:114 Resp: 206828
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 42.4
 88 14.6 0.0 30.6



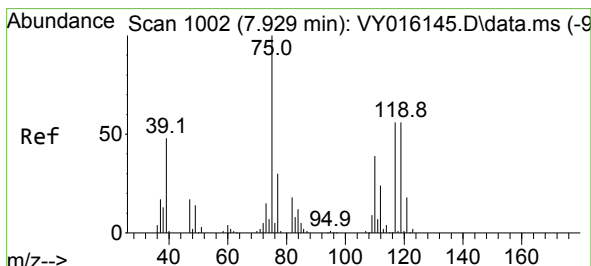
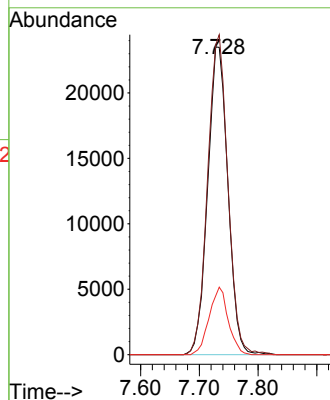
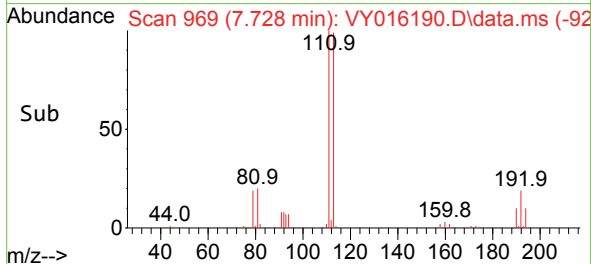


#35
Dibromofluoromethane
Concen: 45.636 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

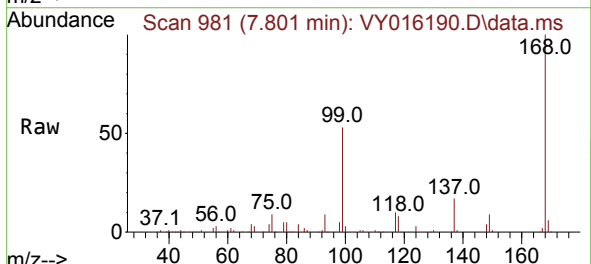
Instrument :
MSVOA_Y
ClientSampleId :



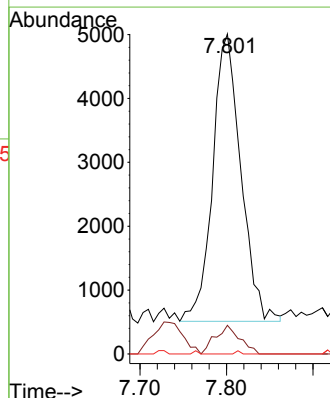
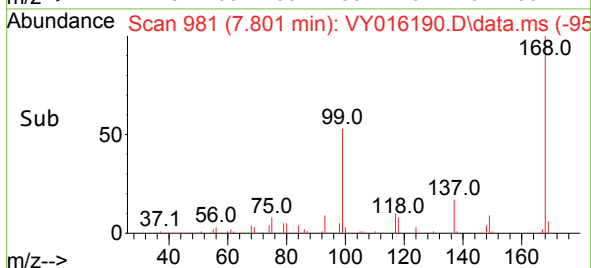
Tgt Ion:113 Resp: 56271
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 20.6 16.9 25.3

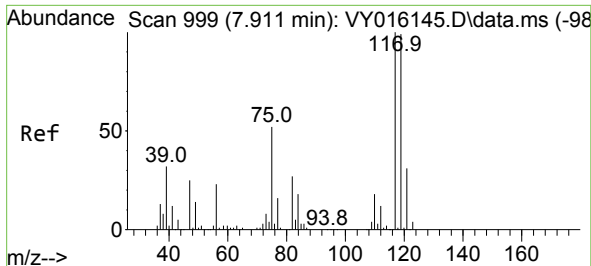


#36
1,1-Dichloropropene
Concen: 5.720 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11



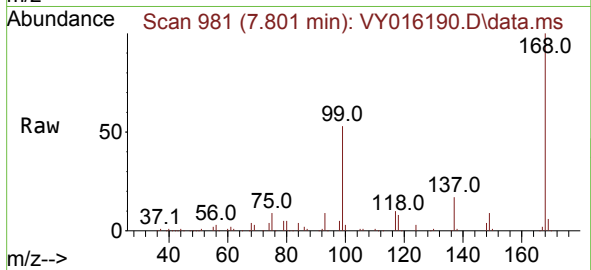
Tgt Ion: 75 Resp: 10184
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#



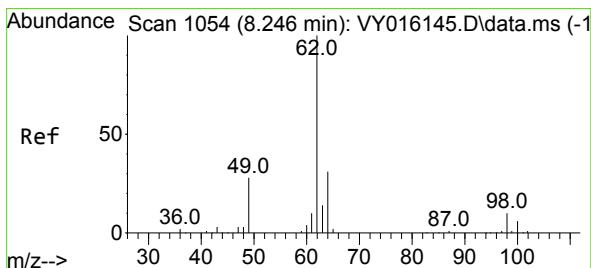
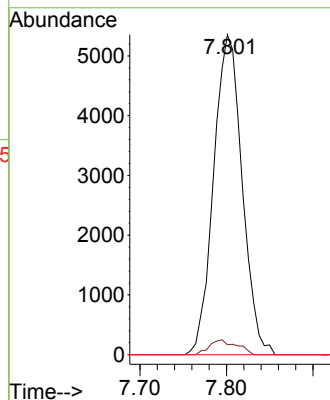
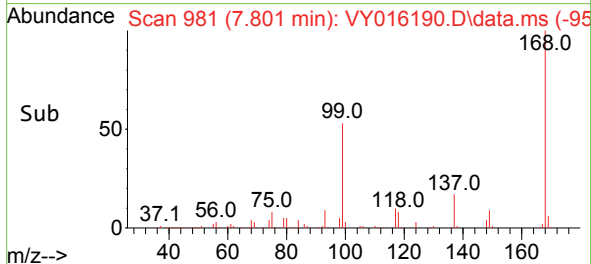


#38
Carbon Tetrachloride
Concen: 6.938 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :

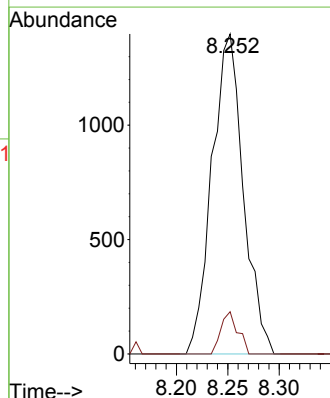
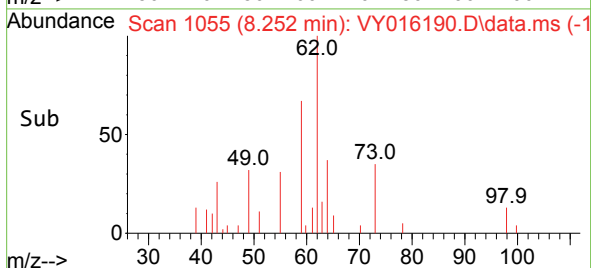
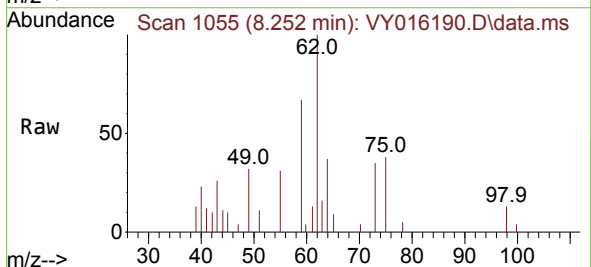


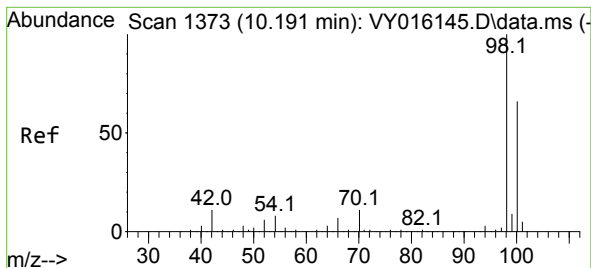
Tgt Ion:117 Resp: 12238
Ion Ratio Lower Upper
117 100
119 3.1 76.4 114.6#
121 0.0 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 2.082 ug/l
RT: 8.252 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion: 62 Resp: 2970
Ion Ratio Lower Upper
62 100
98 7.1 0.0 15.8

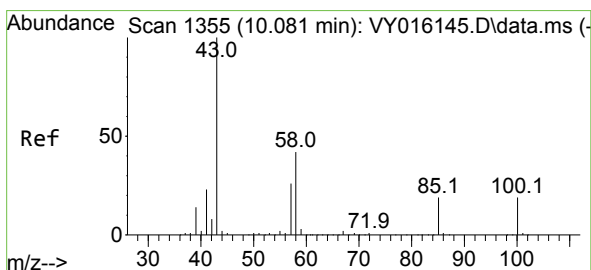
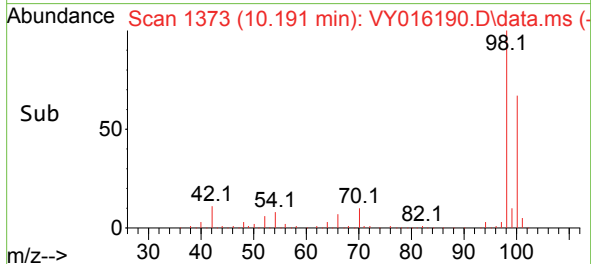
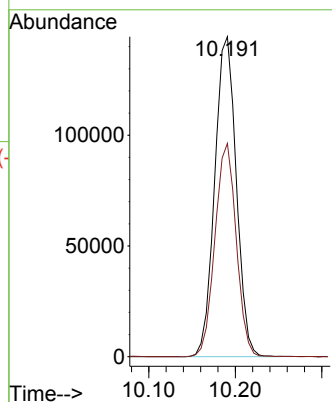
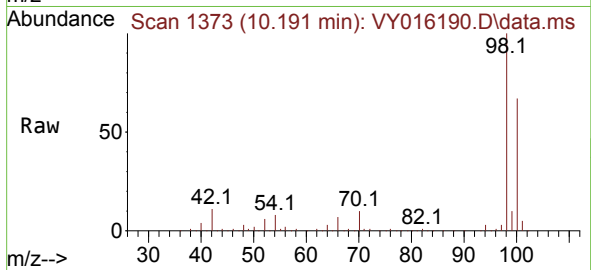




#50
Toluene-d8
Concen: 51.102 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

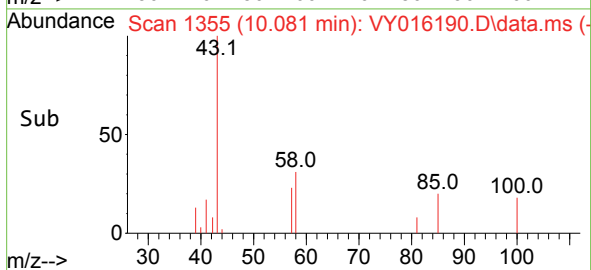
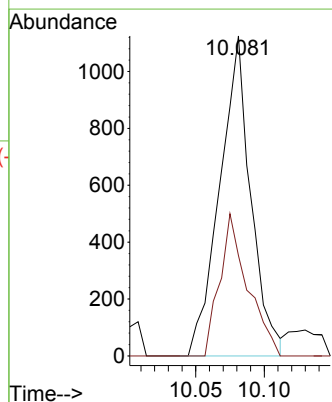
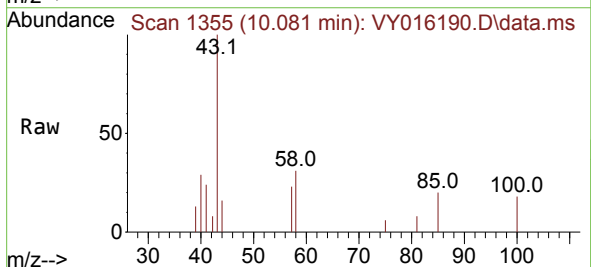
Instrument :
MSVOA_Y
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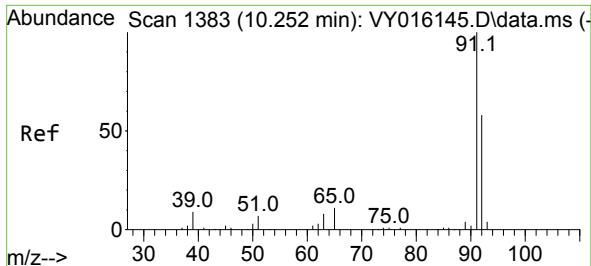
Tgt Ion: 98 Resp: 249829
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.263 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.6

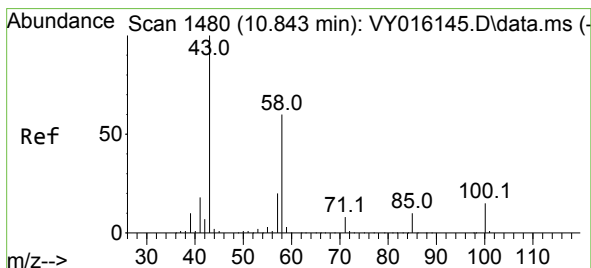
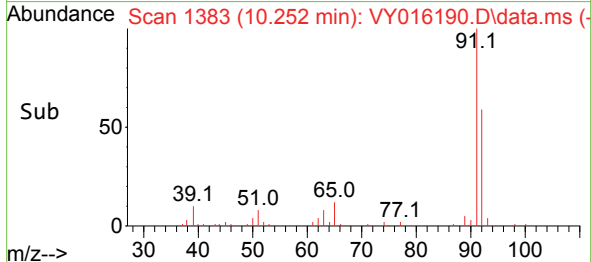
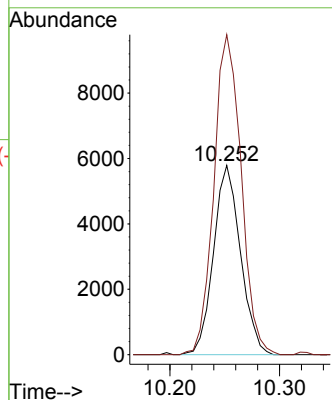
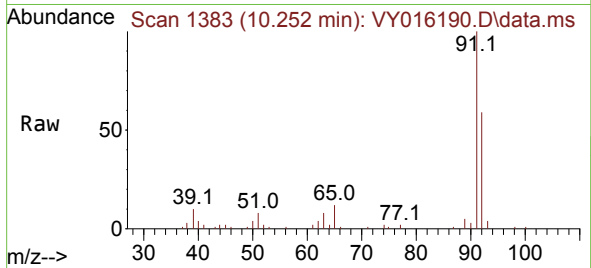




#52
Toluene
Concen: 2.983 ug/l
RT: 10.252 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

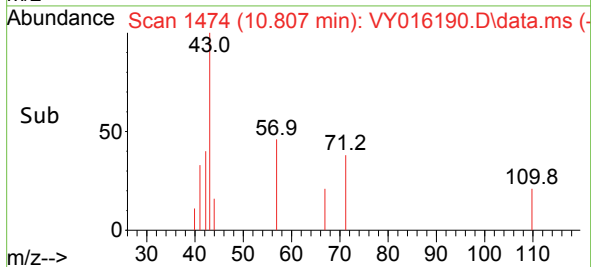
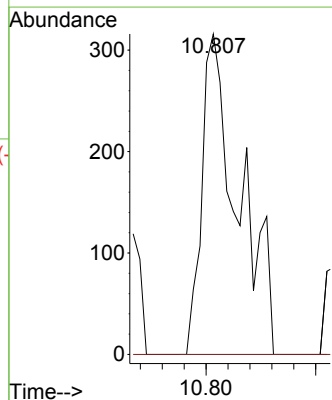
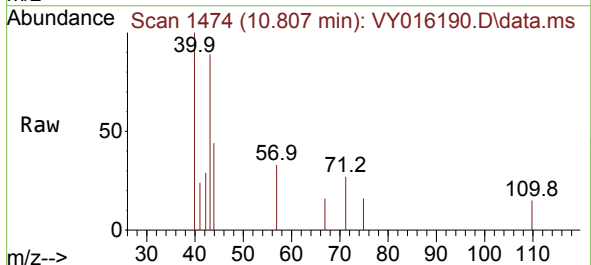
Instrument :
MSVOA_Y
ClientSampleId :

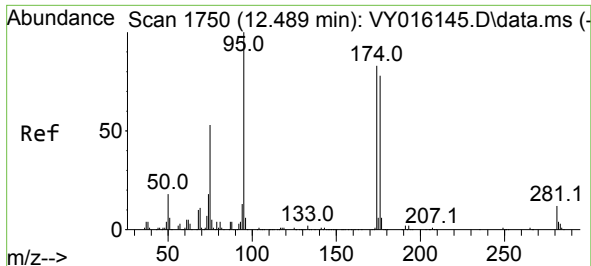
Tgt Ion: 92 Resp: 9881
Ion Ratio Lower Upper
92 100
91 171.3 143.8 215.6



#59
2-Hexanone
Concen: 1.361 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.037 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

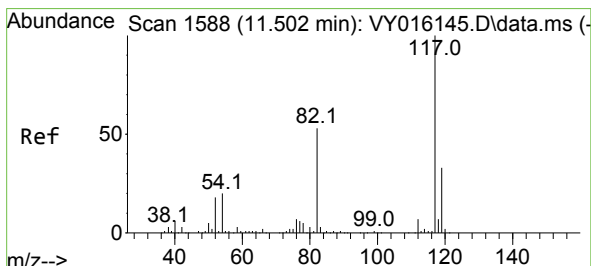
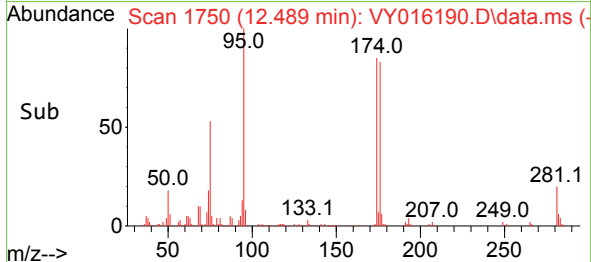
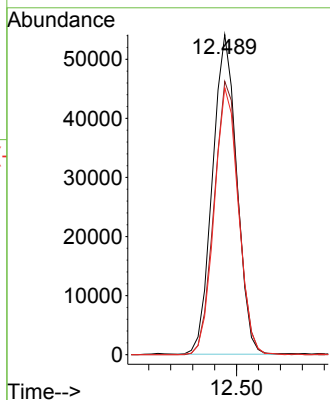
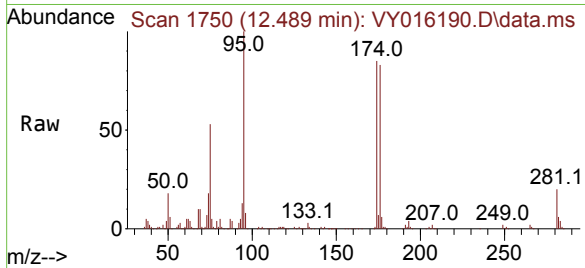




#62
4-Bromofluorobenzene
Concen: 49.874 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

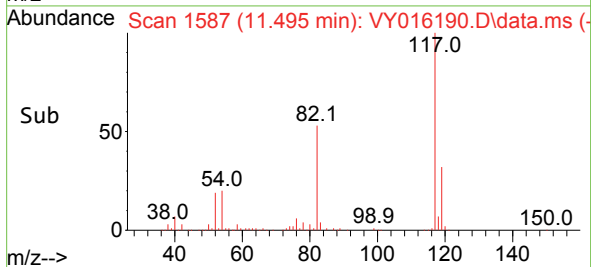
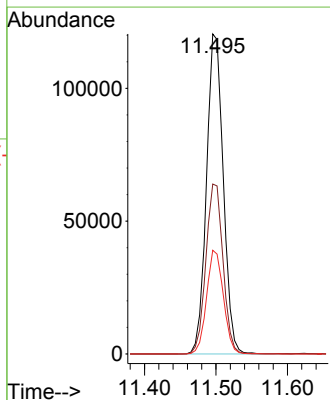
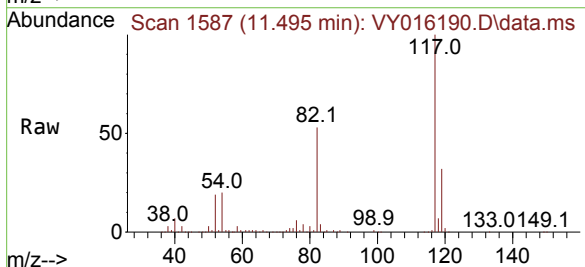
Instrument :
MSVOA_Y
ClientSampleId :

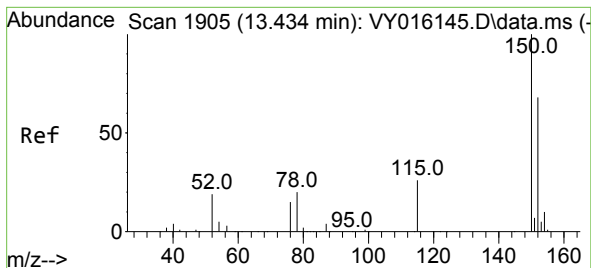
Tgt Ion: 95 Resp: 83375
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 83.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion: 117 Resp: 196381
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.4 26.3 39.5

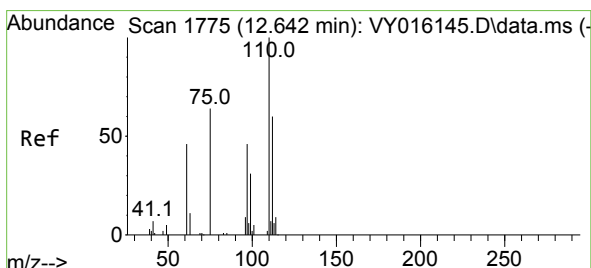
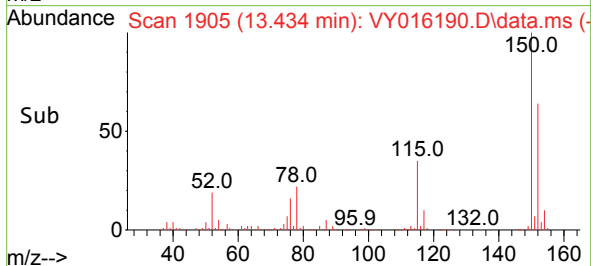
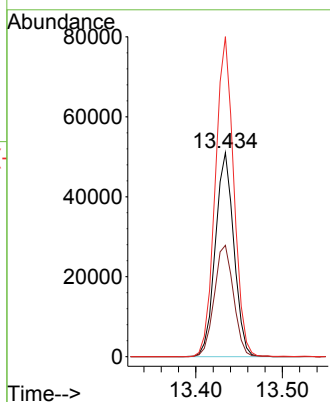
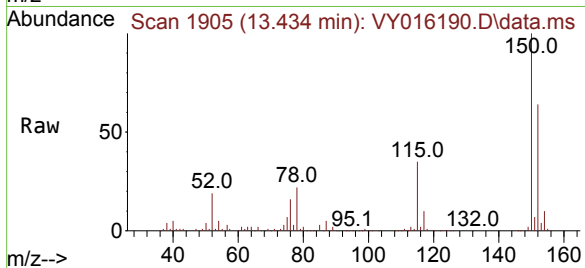




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016190.D
 Acq: 02 Nov 2023 15:11

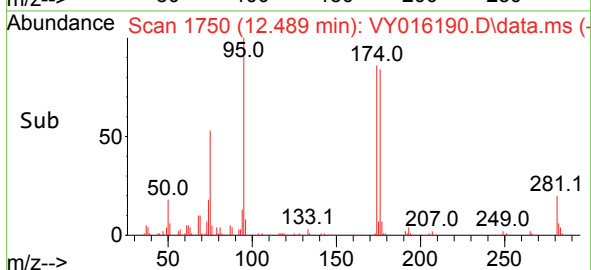
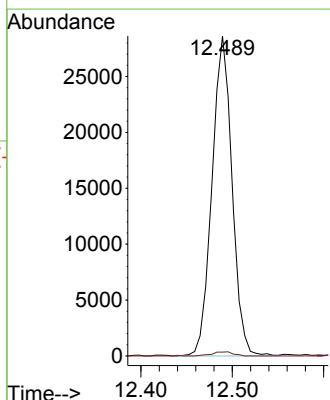
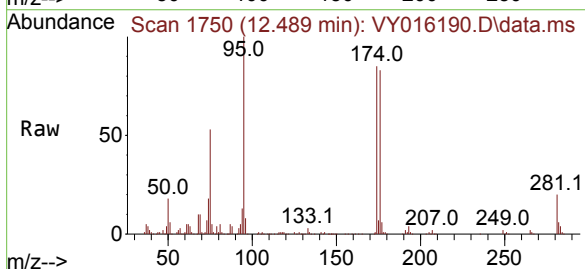
Instrument :
 MSVOA_Y
 ClientSampleId :

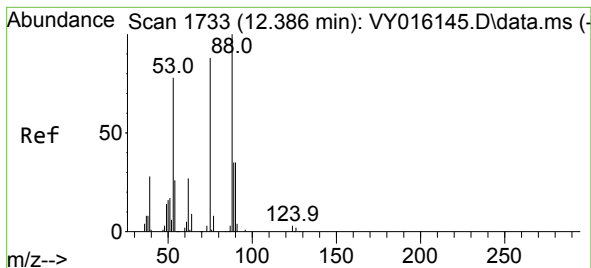
Tgt Ion:152 Resp: 75825
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.8 86.5
 150 156.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 61.113 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.153 min
 Lab File: VY016190.D
 Acq: 02 Nov 2023 15:11

Tgt Ion: 75 Resp: 43638
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

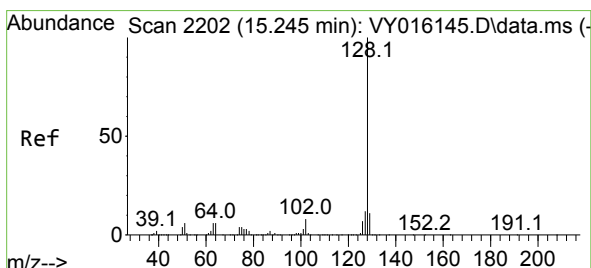
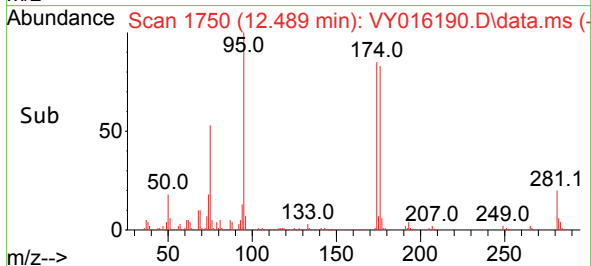
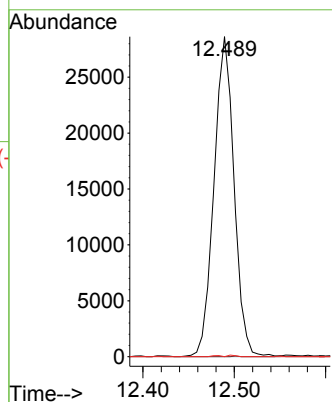
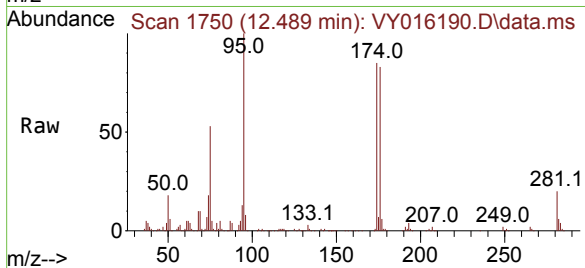




#81
trans-1,4-Dichloro-2-butene
Concen: 132.508 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43638
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 1.000 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016190.D
Acq: 02 Nov 2023 15:11

Tgt Ion:128 Resp: 2640
Ion Ratio Lower Upper
128 100
127 27.9 10.8 16.2#
129 22.3 8.6 13.0#

