

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016187.D
 Acq On : 02 Nov 2023 14:01
 Operator : SY/MD
 Sample : 05207-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:40:21 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)

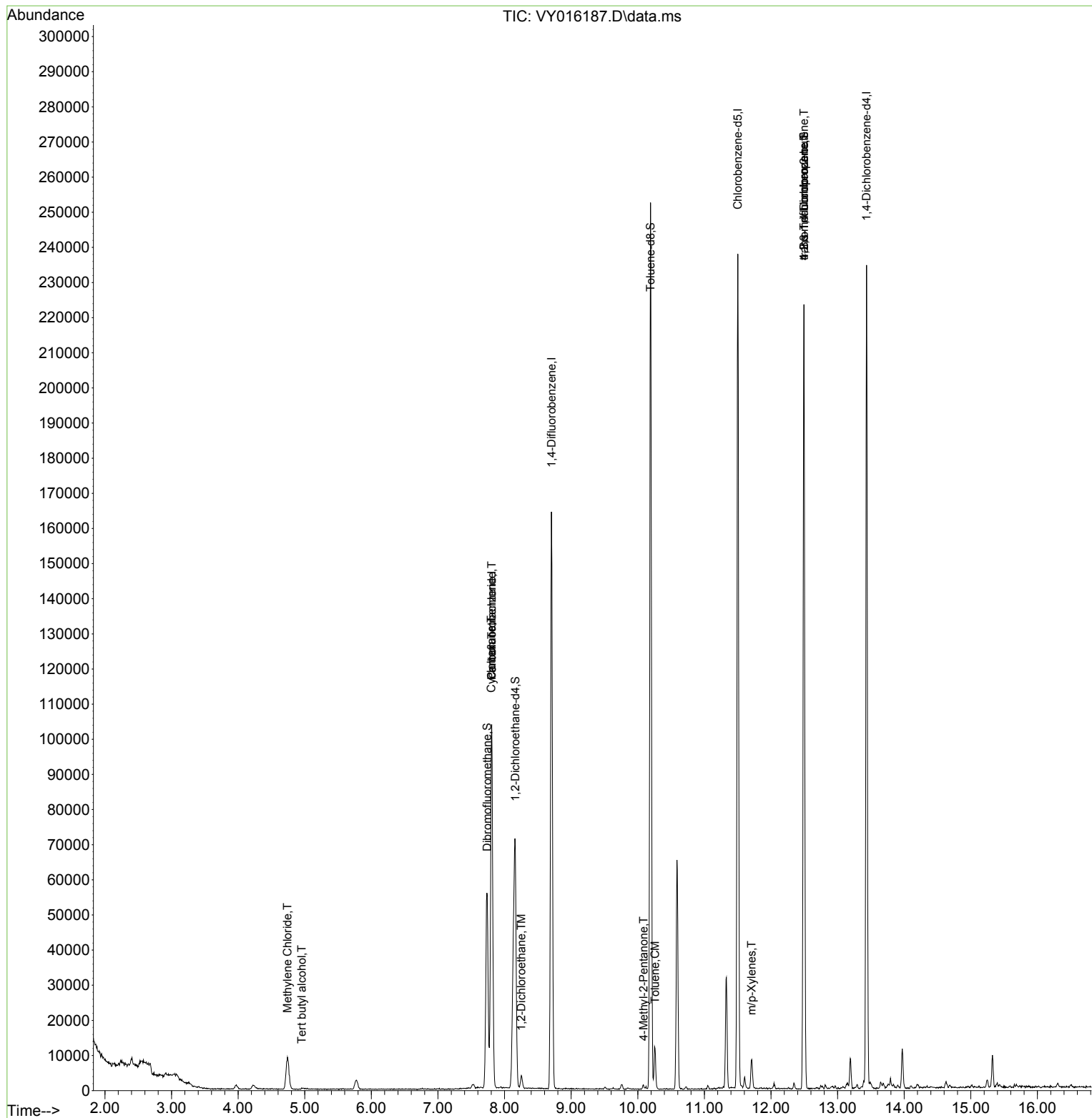
Internal Standards						
1) Pentafluorobenzene	7.807	168	81736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	141418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	131634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	47456	62.048	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.100%	
35) Dibromofluoromethane	7.740	113	40554	48.101	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.200%	
50) Toluene-d8	10.191	98	165883	49.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.496	95	56422	49.362	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	349	6.107	ug/l #	89
13) Acrolein	3.747	56	26	Below Cal	#	14
16) Acetone	3.973	43	2153	Below Cal	#	86
20) Methylene Chloride	4.741	84	7181	6.587	ug/l	96
31) Cyclohexane	7.801	56	1551	1.319	ug/l #	1
38) Carbon Tetrachloride	7.807	117	8024	6.653	ug/l #	14
42) 1,2-Dichloroethane	8.252	62	3165	3.245	ug/l	96
49) 1,4-Dioxane	9.313	88	22	Below Cal	#	36
51) 4-Methyl-2-Pentanone	10.087	43	886	1.656	ug/l	88
52) Toluene	10.258	92	5347	2.361	ug/l	94
68) m/p-Xylenes	11.709	106	2566	1.420	ug/l	96
76) 1,2,3-Trichloropropane	12.496	75	30431	54.680	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	30431	118.558	ug/l #	11

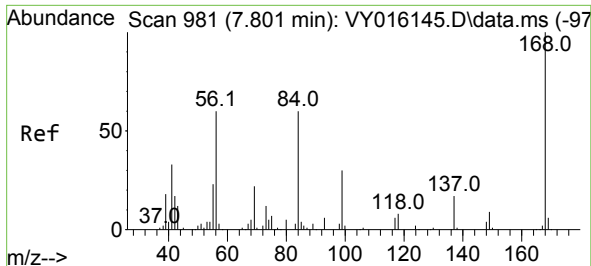
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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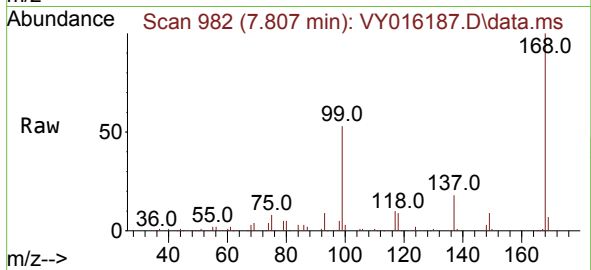
Quant Time: Nov 03 01:40:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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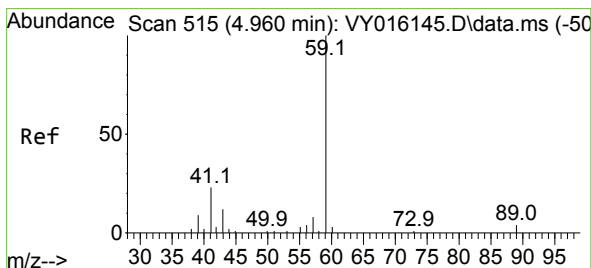
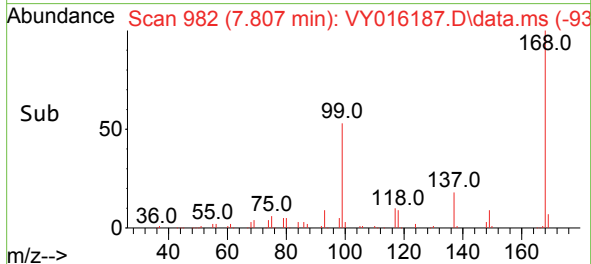
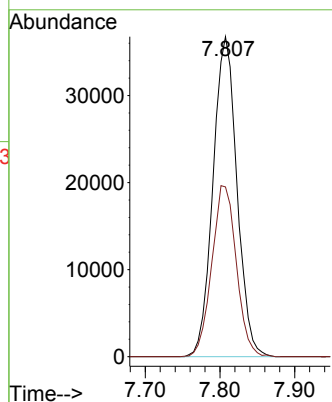


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :

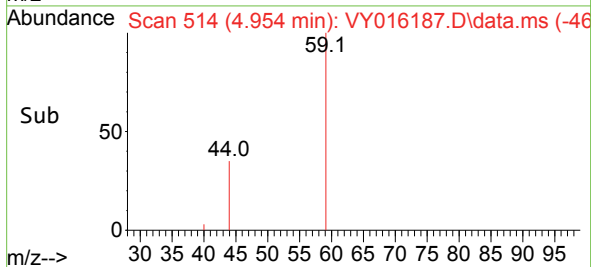
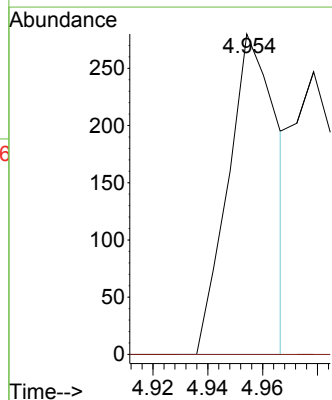
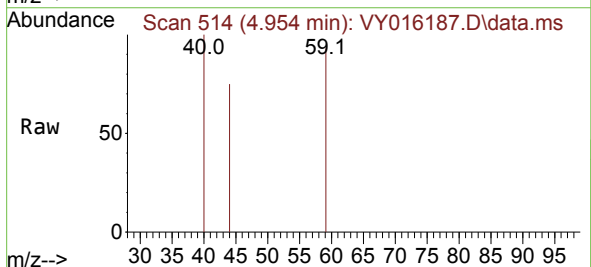


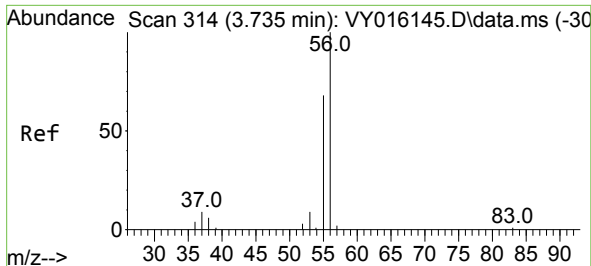
Tgt Ion:168 Resp: 81736
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 6.107 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

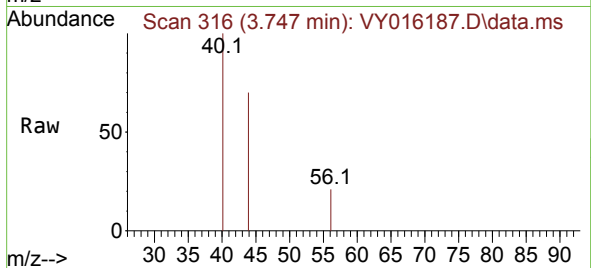
Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



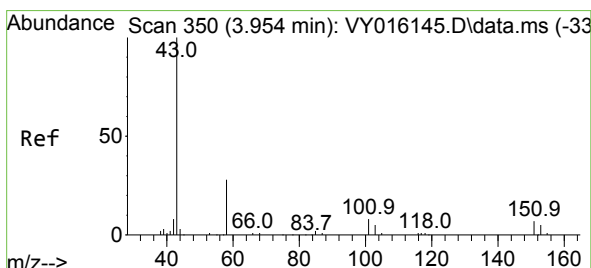
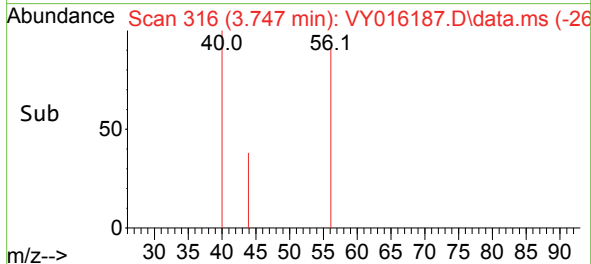
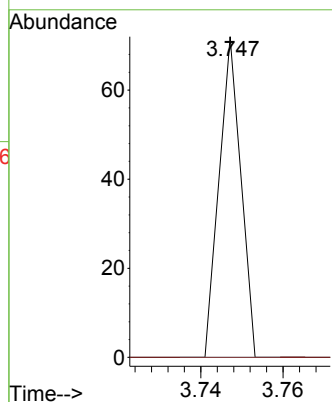


#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :

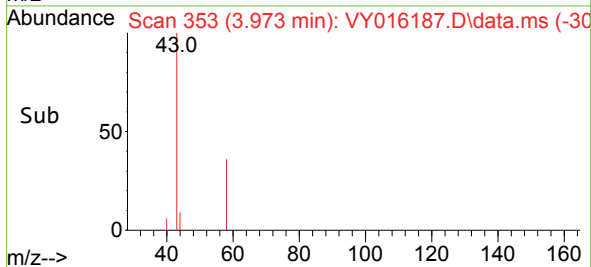
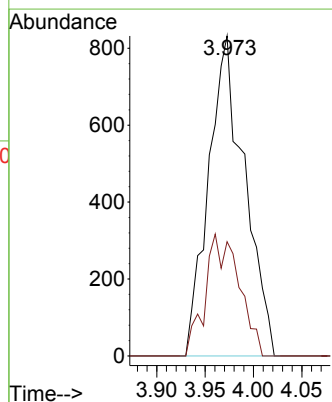
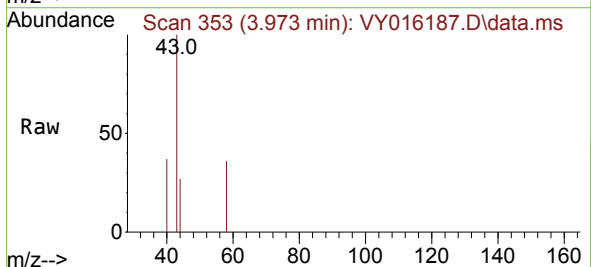


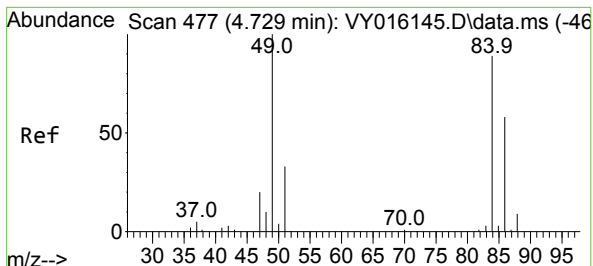
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: Below Cal
RT: 3.973 min Scan# 353
Delta R.T. 0.019 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 35.7 22.7 34.1#





#20

Methylene Chloride

Concen: 6.587 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.012 min

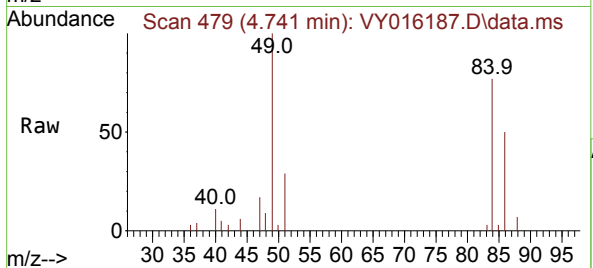
Lab File: VY016187.D

Acq: 02 Nov 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 7181

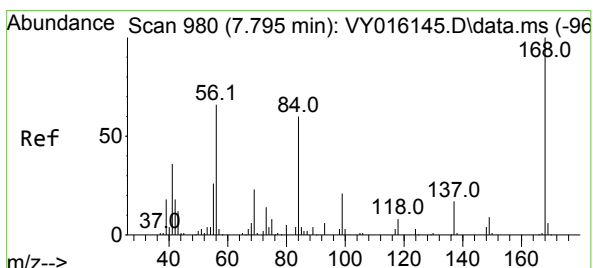
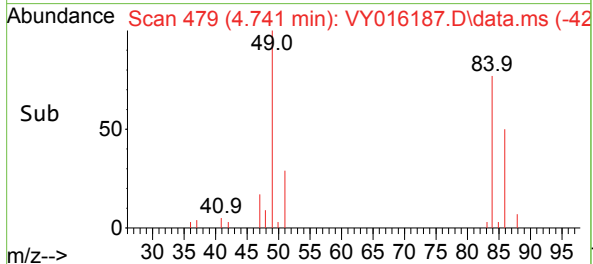
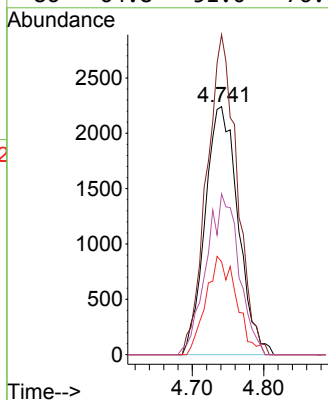
Ion Ratio Lower Upper

84 100

49 129.1 106.9 160.3

51 37.5 33.2 49.8

86 64.8 51.0 76.6



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY016187.D

Acq: 02 Nov 2023 14:01

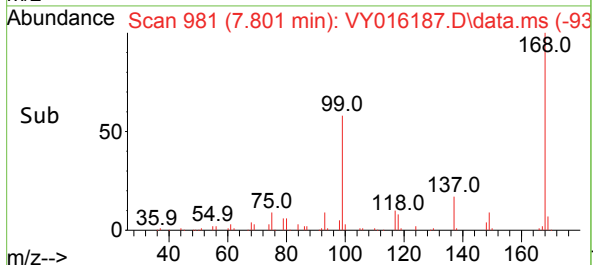
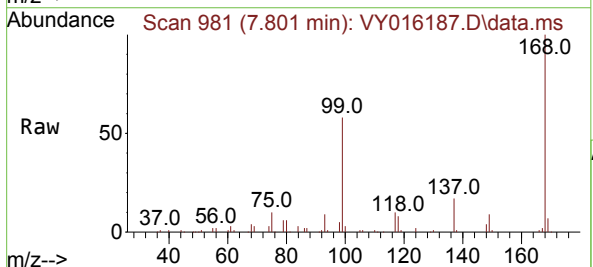
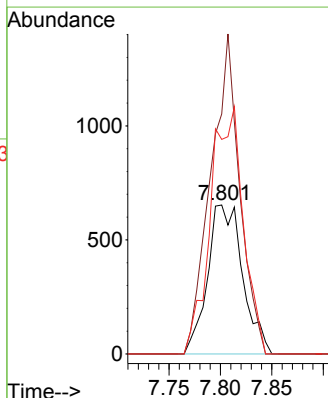
Tgt Ion: 56 Resp: 1551

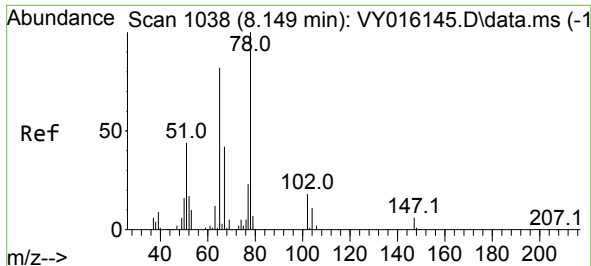
Ion Ratio Lower Upper

56 100

69 161.1 27.8 41.6#

84 144.1 66.4 99.6#

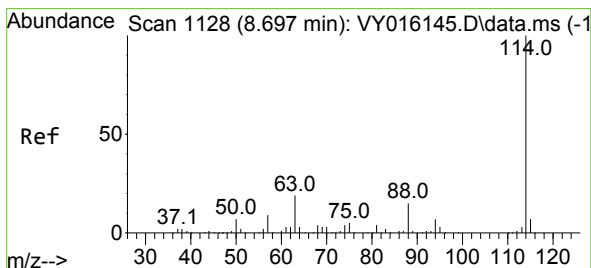
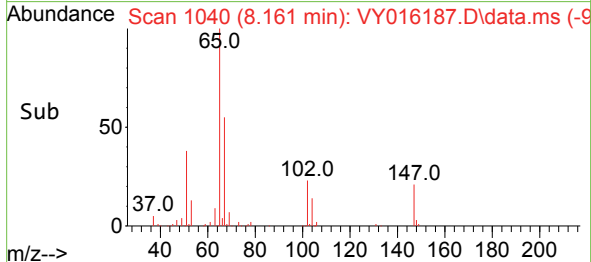
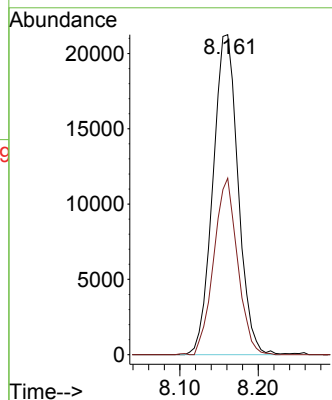
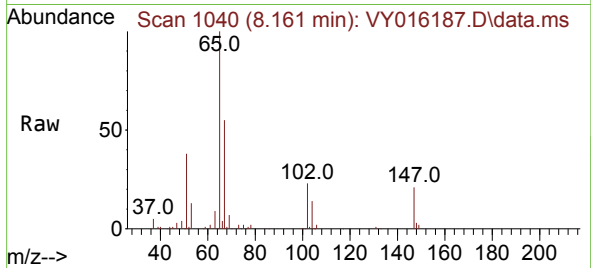




#33
1,2-Dichloroethane-d4
Concen: 62.048 ug/l
RT: 8.161 min Scan# 110
Delta R.T. 0.012 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

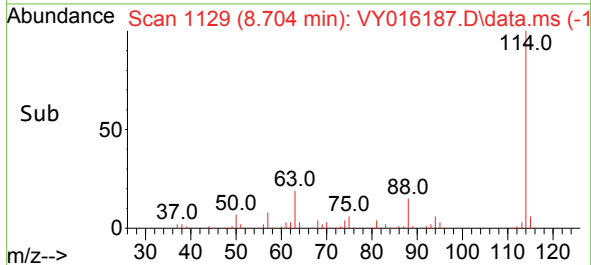
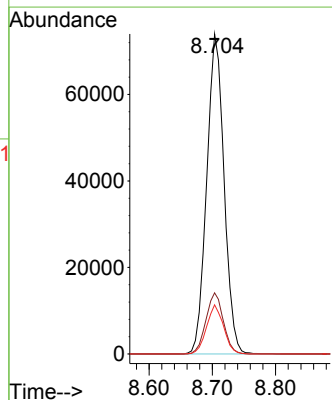
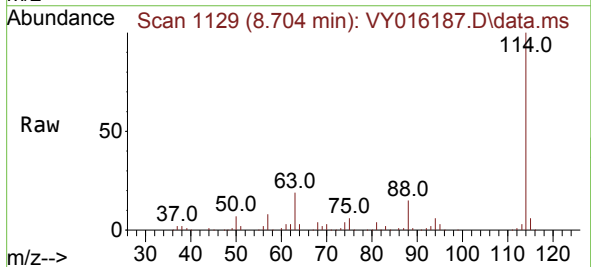
Instrument :
MSVOA_Y
ClientSampleId :

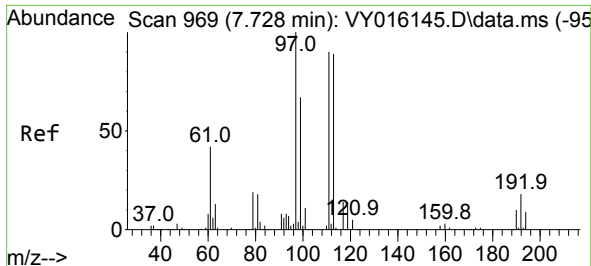
Tgt Ion: 65 Resp: 47456
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.704 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

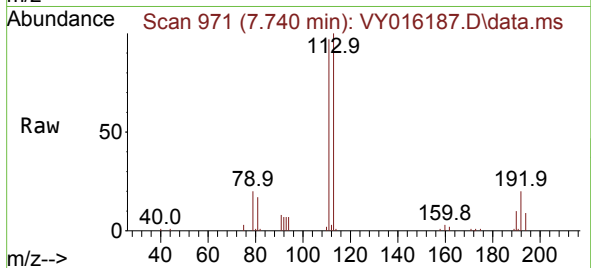
Tgt Ion:114 Resp: 141418
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 15.3 0.0 30.6



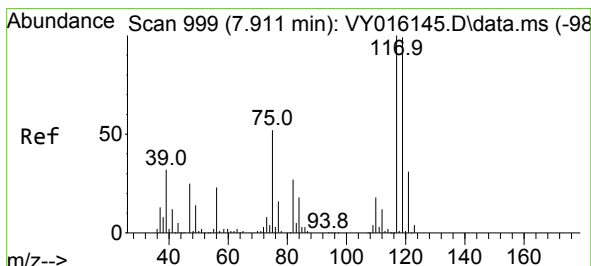
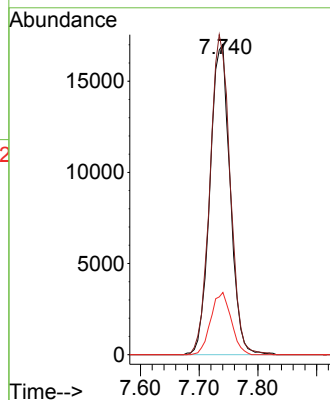
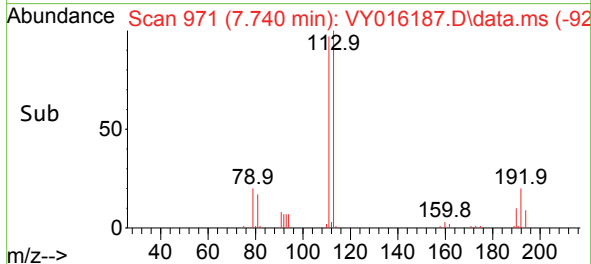


#35
Dibromofluoromethane
Concen: 48.101 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :

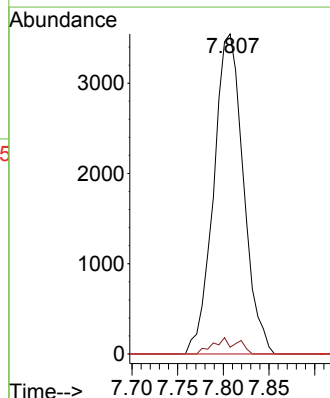
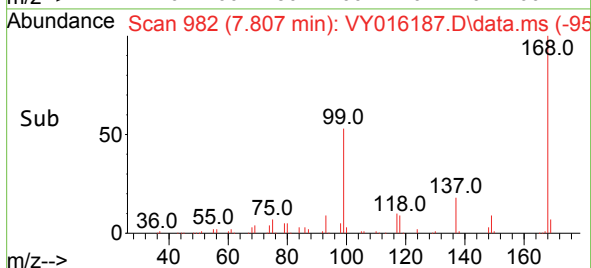
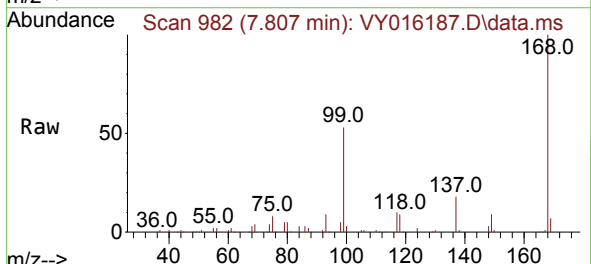


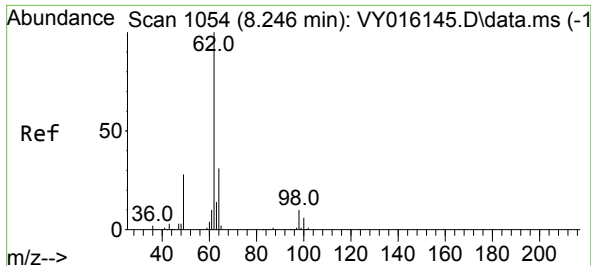
Tgt Ion:113 Resp: 40554
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 20.2 16.9 25.3



#38
Carbon Tetrachloride
Concen: 6.653 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Tgt Ion:117 Resp: 8024
Ion Ratio Lower Upper
117 100
119 2.1 76.4 114.6#
121 0.0 25.8 38.6#





#42

1,2-Dichloroethane

Concen: 3.245 ug/l

RT: 8.252 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VY016187.D

Acq: 02 Nov 2023 14:01

Instrument :

MSVOA_Y

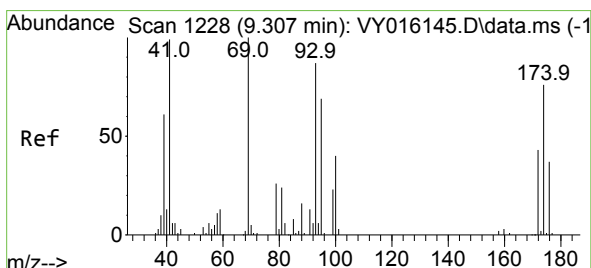
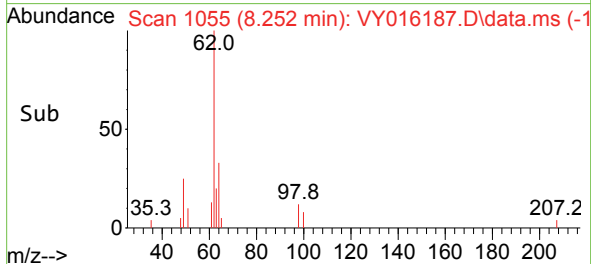
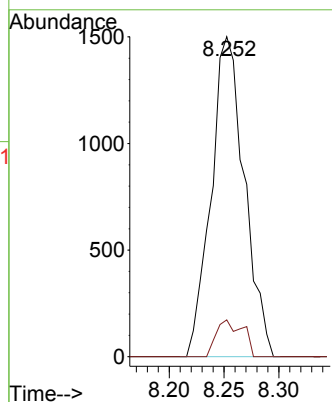
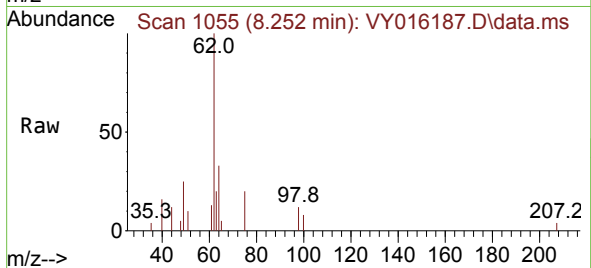
ClientSampleId :

Tgt Ion: 62 Resp: 3165

Ion Ratio Lower Upper

62 100

98 9.2 0.0 15.8



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016187.D

Acq: 02 Nov 2023 14:01

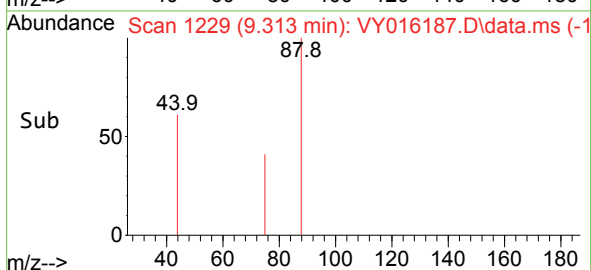
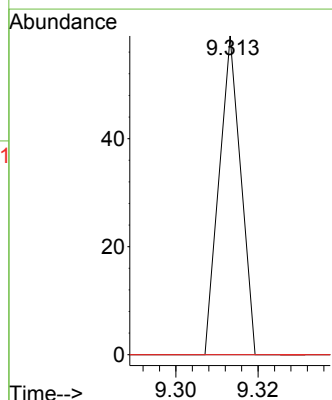
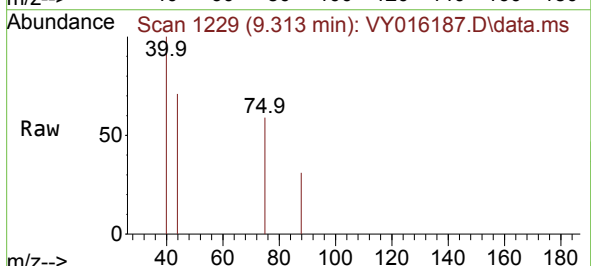
Tgt Ion: 88 Resp: 22

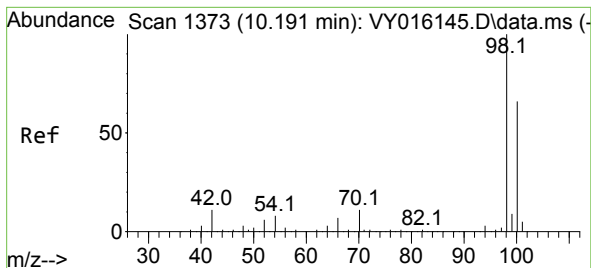
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#

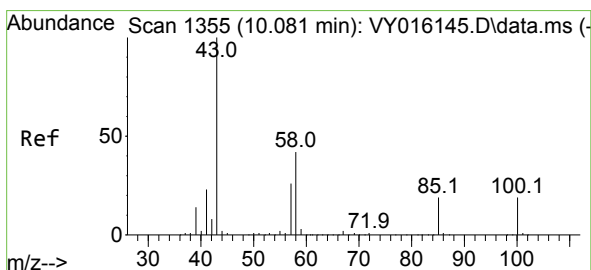
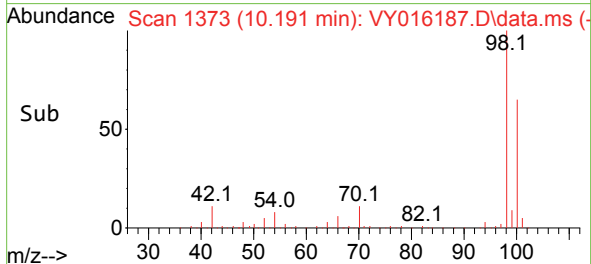
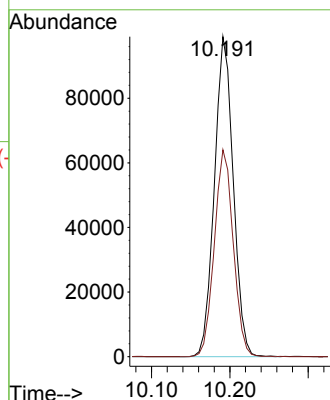
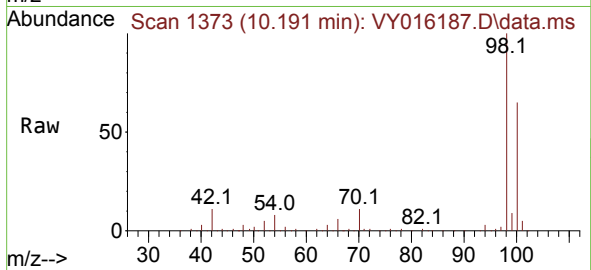




#50
Toluene-d8
Concen: 49.625 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

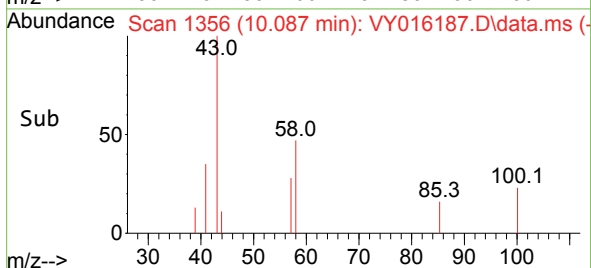
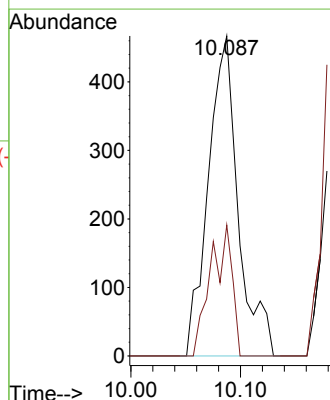
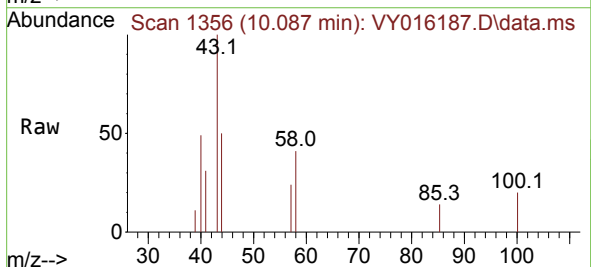
Instrument :
MSVOA_Y
ClientSampleId :

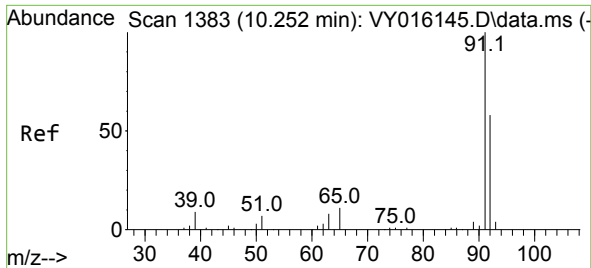
Tgt Ion: 98 Resp: 165883
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.656 ug/l
RT: 10.087 min Scan# 1356
Delta R.T. 0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 29.5 29.0 43.6

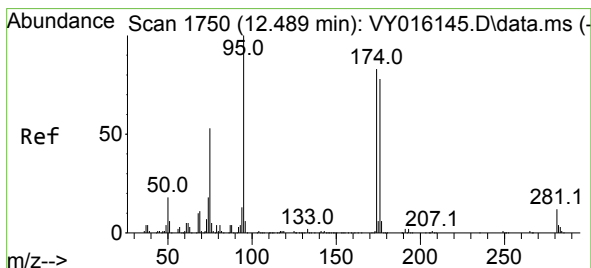
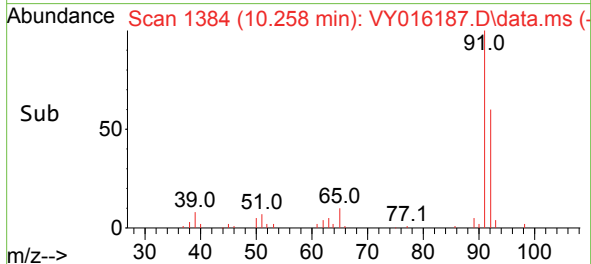
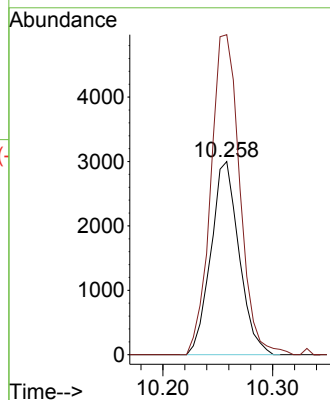
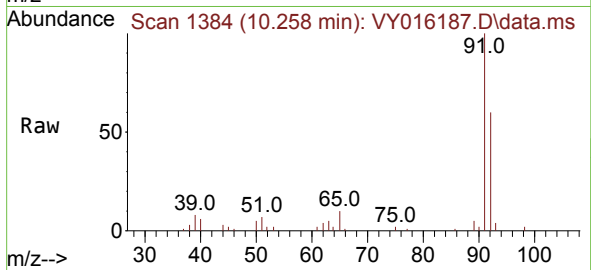




#52
Toluene
Concen: 2.361 ug/l
RT: 10.258 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

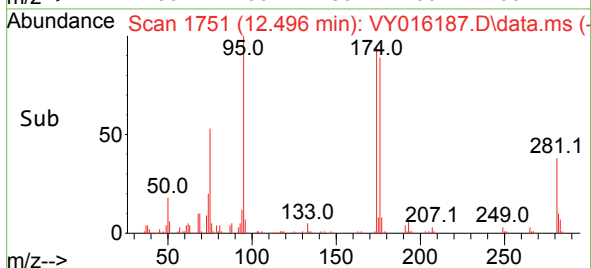
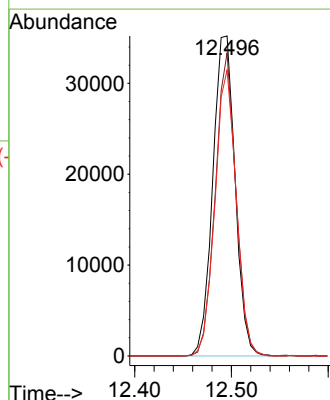
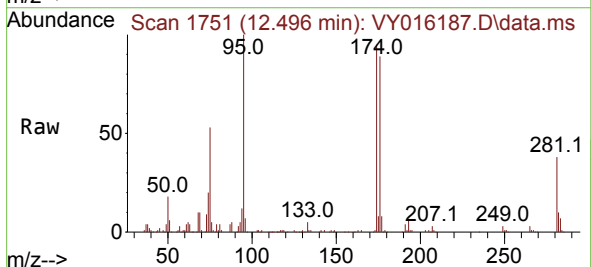
Instrument :
MSVOA_Y
ClientSampleId :

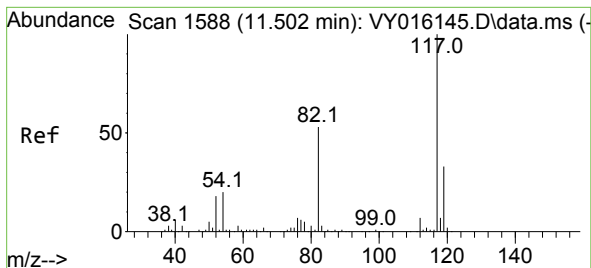
Tgt Ion: 92 Resp: 5347
Ion Ratio Lower Upper
92 100
91 171.2 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 49.362 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Tgt Ion: 95 Resp: 56422
Ion Ratio Lower Upper
95 100
174 87.5 0.0 178.2
176 85.4 0.0 173.8

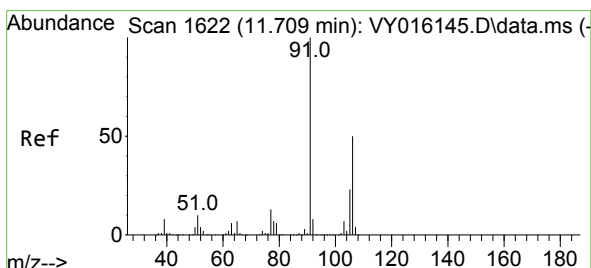
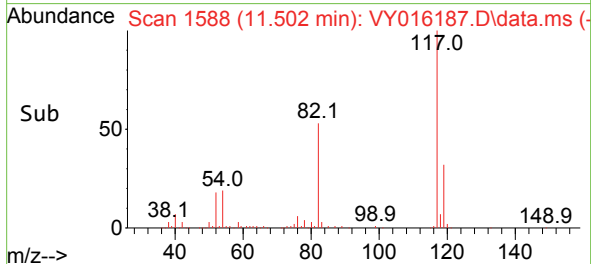
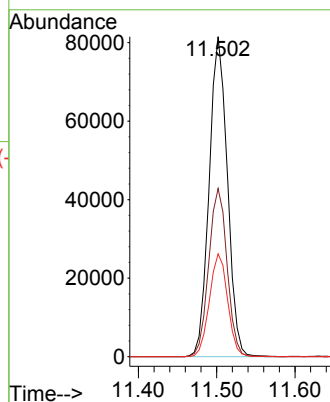
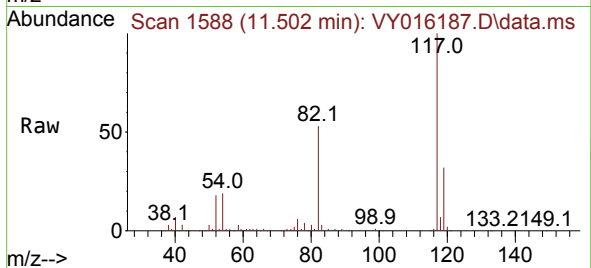




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

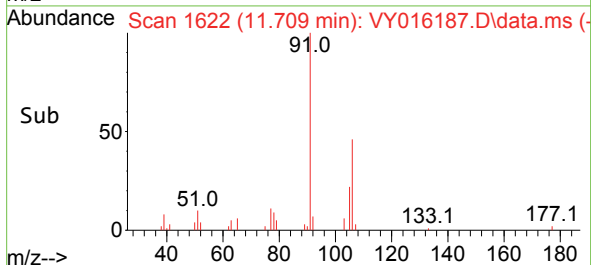
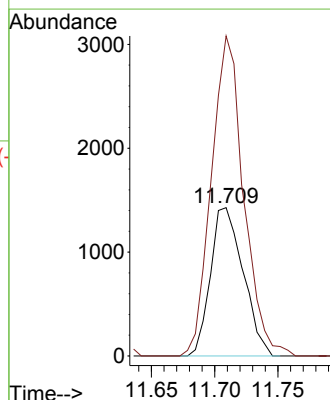
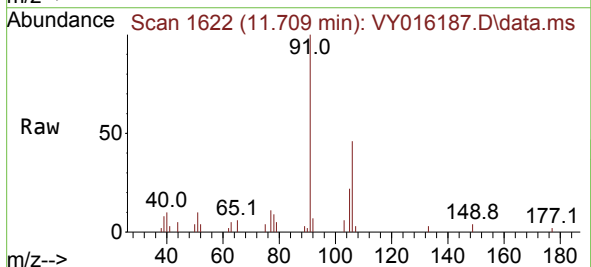
Instrument :
MSVOA_Y
ClientSampleId :

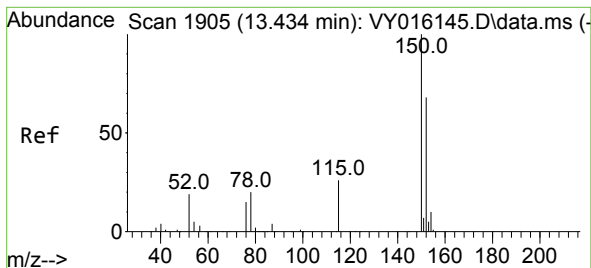
Tgt Ion:117 Resp: 131634
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.1 26.3 39.5



#68
m/p-Xylenes
Concen: 1.420 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

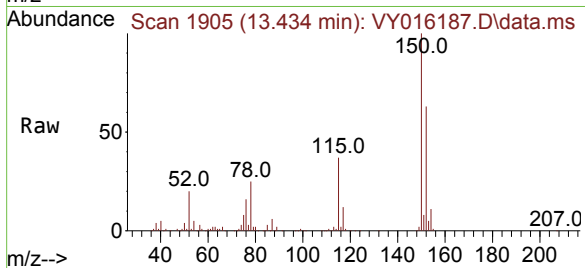
Tgt Ion:106 Resp: 2566
Ion Ratio Lower Upper
106 100
91 213.4 166.1 249.1



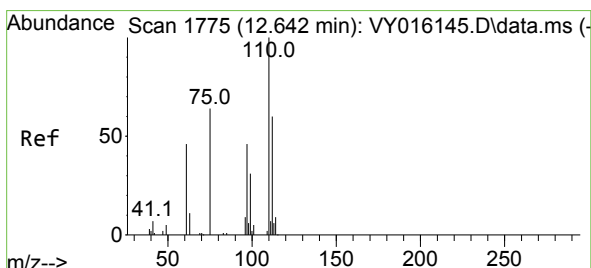
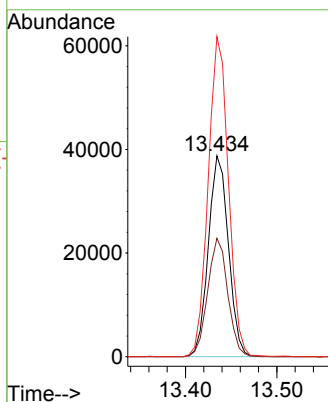
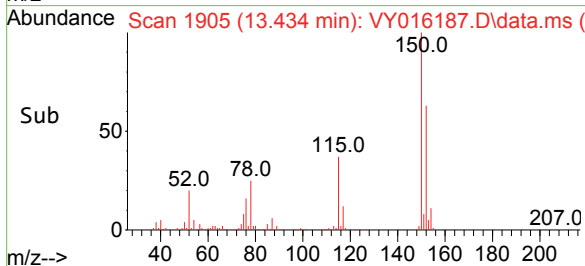


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016187.D
 Acq: 02 Nov 2023 14:01

Instrument :
 MSVOA_Y
 ClientSampleId :

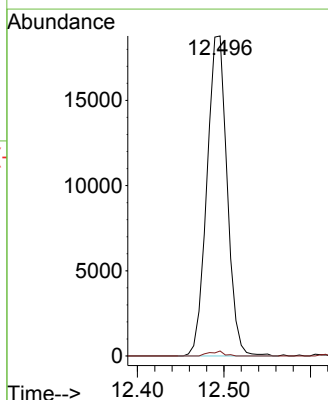
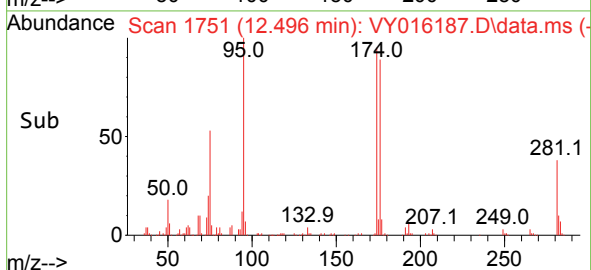
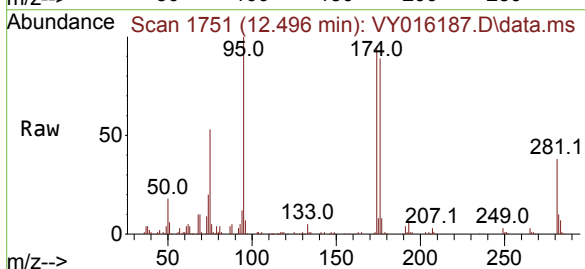


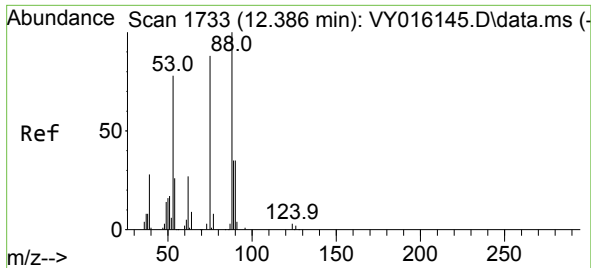
Tgt Ion:152 Resp: 59098
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.8 86.5
 150 160.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 54.680 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. -0.146 min
 Lab File: VY016187.D
 Acq: 02 Nov 2023 14:01

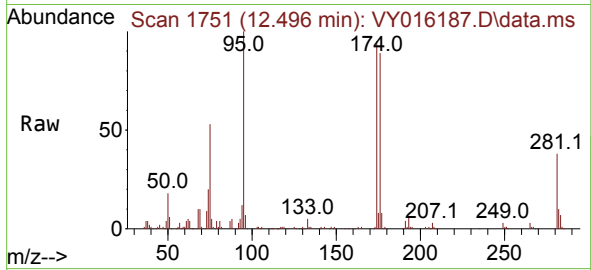
Tgt Ion: 75 Resp: 30431
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 118.558 ug/l
RT: 12.496 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY016187.D
Acq: 02 Nov 2023 14:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

