

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016189.D
 Acq On : 02 Nov 2023 14:48
 Operator : SY/MD
 Sample : 05214-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:41:04 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	7.795	168	8108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	13110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	10750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	4553	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	3823	50.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.722	113	2635	33.714	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 67.420%	
50) Toluene-d8	10.185	98	14647	47.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.540%	
62) 4-Bromofluorobenzene	12.489	95	4879	46.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.080%	

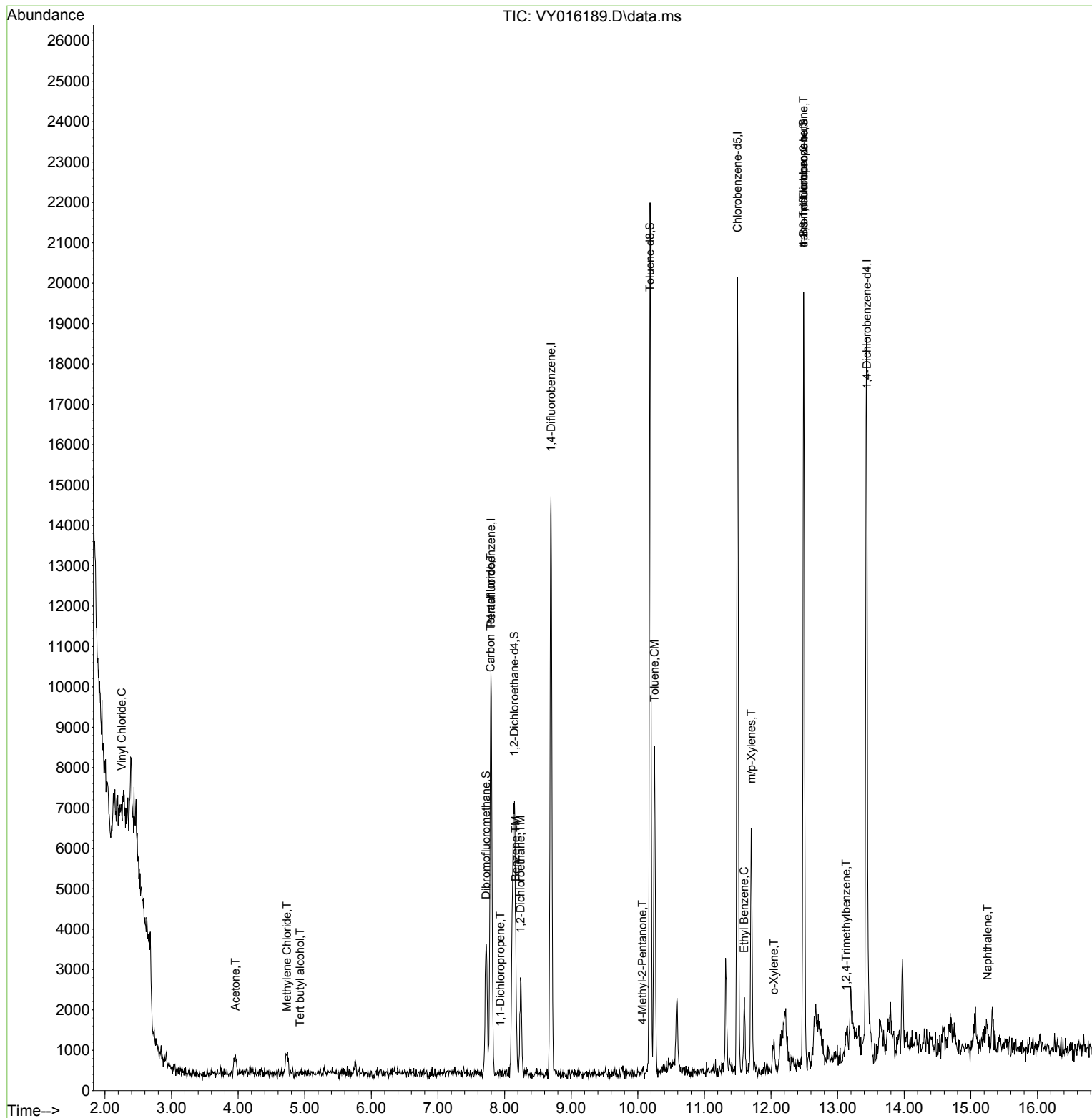
Target Compounds			Qvalue			
4) Vinyl Chloride	2.253	62	129	1.745	ug/l #	44
11) Tert butyl alcohol	4.929	59	19	3.352	ug/l #	89
16) Acetone	3.960	43	975	66.500	ug/l	99
20) Methylene Chloride	4.734	84	415	2.484	ug/l #	53
36) 1,1-Dichloropropene	7.935	75	122	1.081	ug/l #	41
38) Carbon Tetrachloride	7.789	117	754	6.743	ug/l #	12
40) Benzene	8.167	78	1364	4.210	ug/l #	80
42) 1,2-Dichloroethane	8.240	62	2044	22.606	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	169	3.406	ug/l #	39
52) Toluene	10.252	92	3464	16.499	ug/l	99
67) Ethyl Benzene	11.599	91	1439	3.767	ug/l	99
68) m/p-Xylenes	11.703	106	1691	11.456	ug/l	99
69) o-Xylene	12.044	106	216	1.533	ug/l	67
76) 1,2,3-Trichloropropane	12.489	75	2465	57.491	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2465	124.654	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.129	105	650	2.374	ug/l	80
95) Naphthalene	15.251	128	632	3.989	ug/l #	82

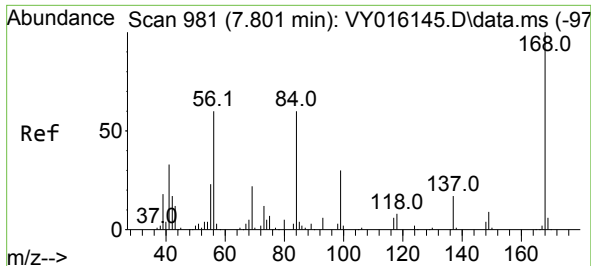
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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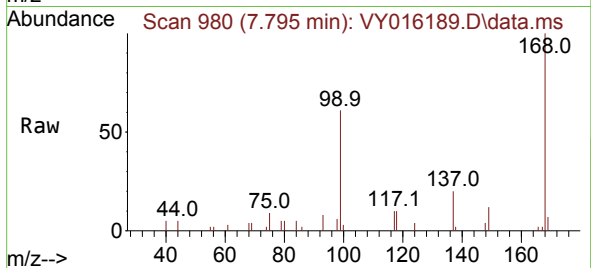
Quant Time: Nov 03 01:41:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



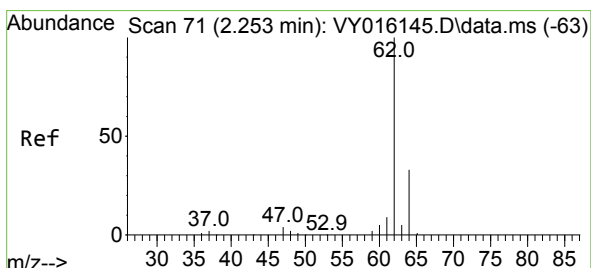
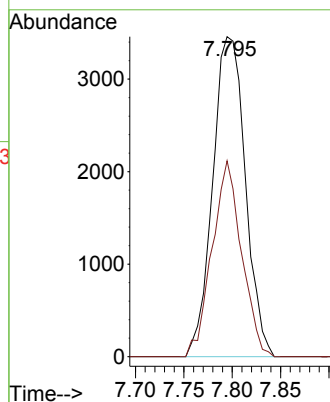
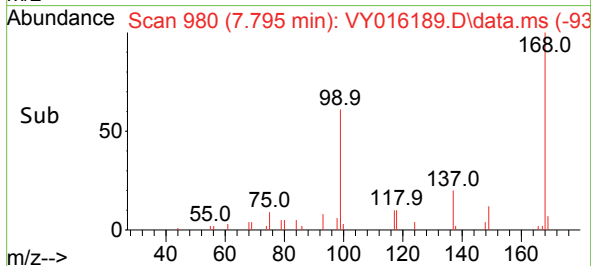


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Instrument :
MSVOA_Y
ClientSampleId :

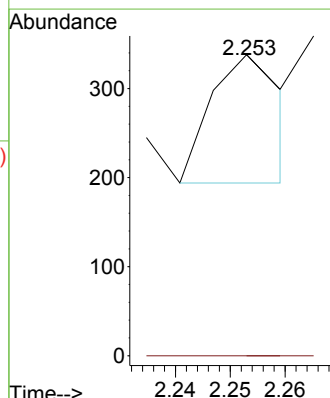
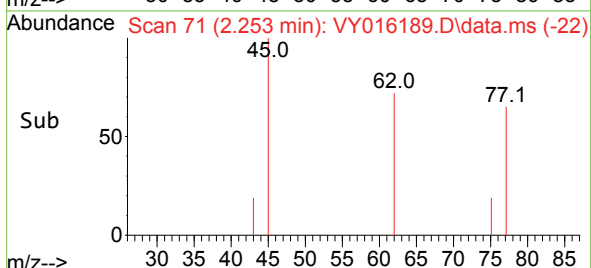
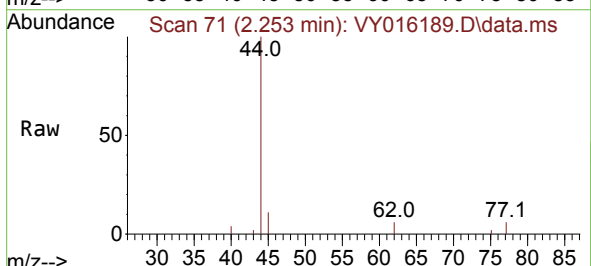


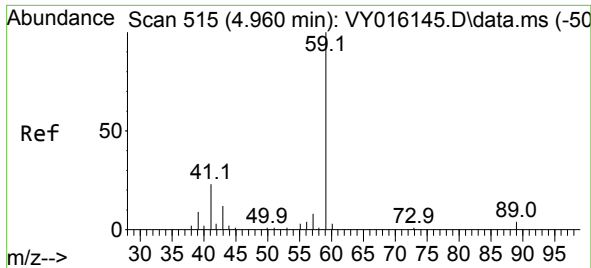
Tgt Ion:168 Resp: 8108
Ion Ratio Lower Upper
168 100
99 61.2 43.4 65.0



#4
Vinyl Chloride
Concen: 1.745 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion: 62 Resp: 129
Ion Ratio Lower Upper
62 100
64 0.0 24.3 36.5#

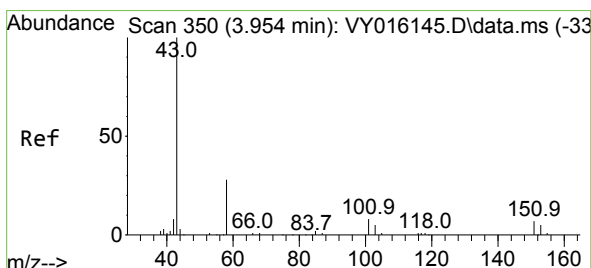
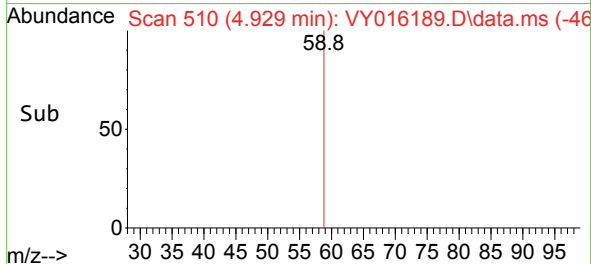
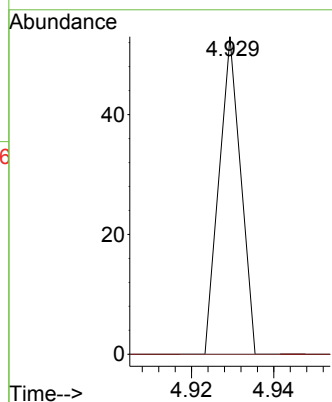
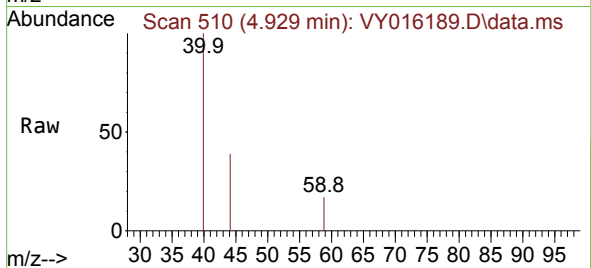




#11
Tert butyl alcohol
Concen: 3.352 ug/l
RT: 4.929 min Scan# 51
Delta R.T. -0.031 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

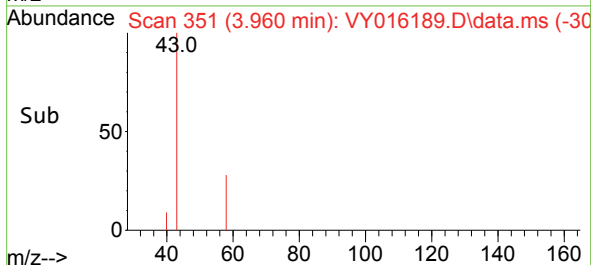
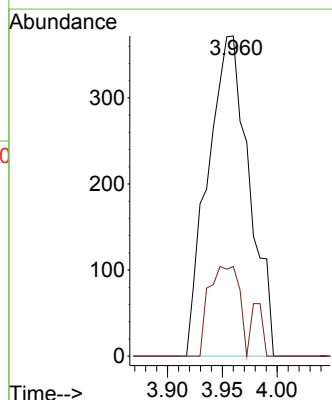
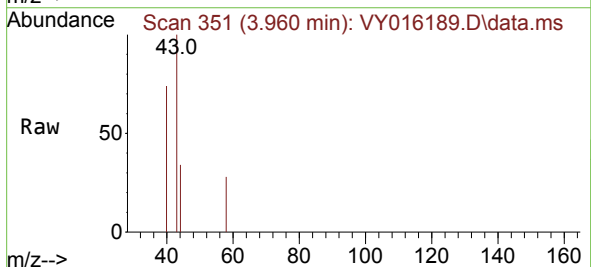
Instrument :
MSVOA_Y
ClientSampleId :

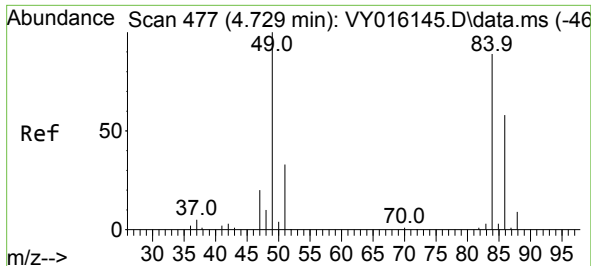
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 66.500 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1





#20

Methylene Chloride

Concen: 2.484 ug/l

RT: 4.734 min Scan# 41

Delta R.T. 0.005 min

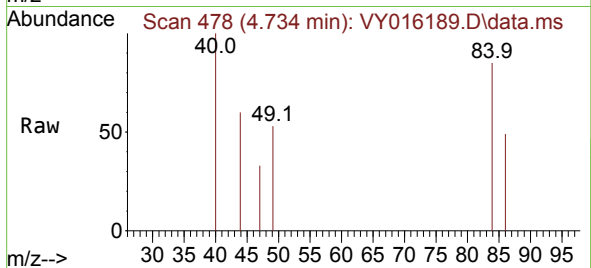
Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 415

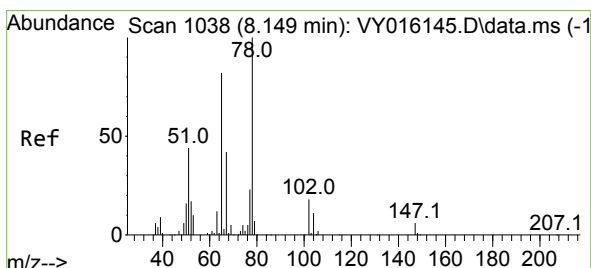
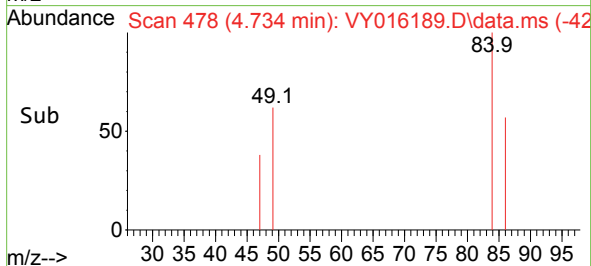
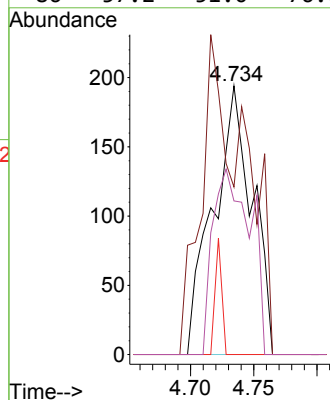
Ion Ratio Lower Upper

84 100

49 62.4 106.9 160.3#

51 0.0 33.2 49.8#

86 57.2 51.0 76.6



#33

1,2-Dichloroethane-d4

Concen: 50.389 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY016189.D

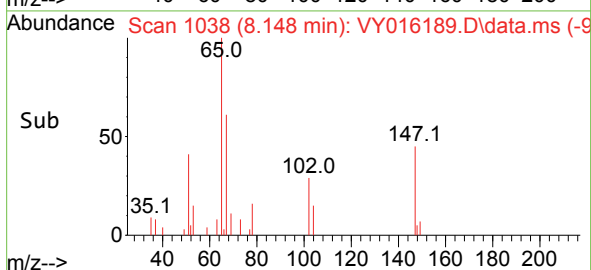
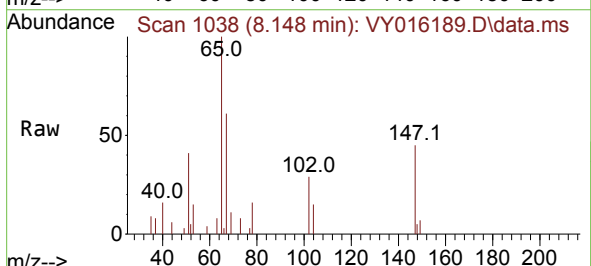
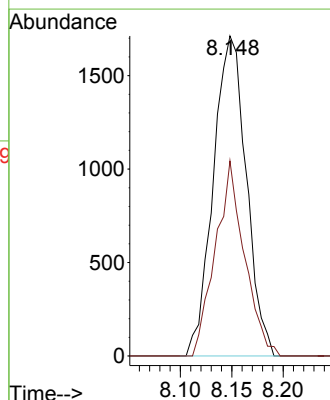
Acq: 02 Nov 2023 14:48

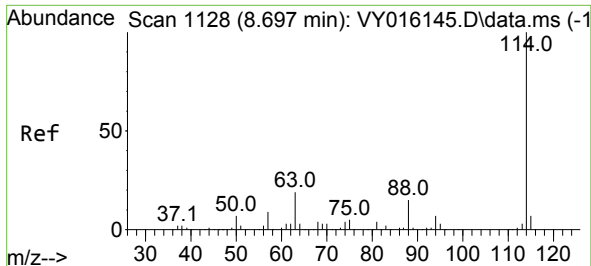
Tgt Ion: 65 Resp: 3823

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016189.D

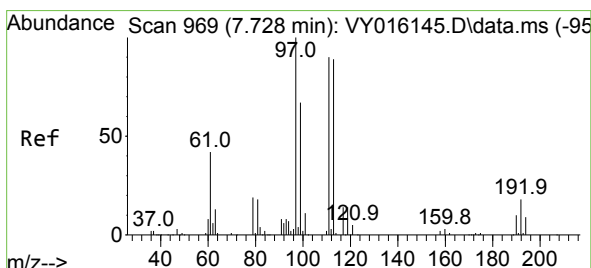
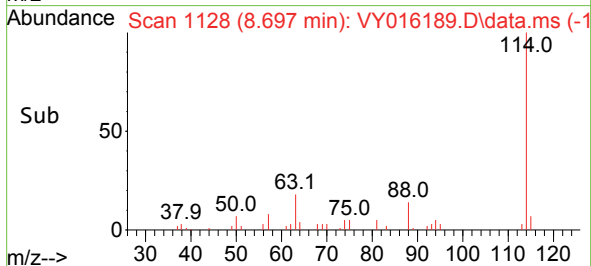
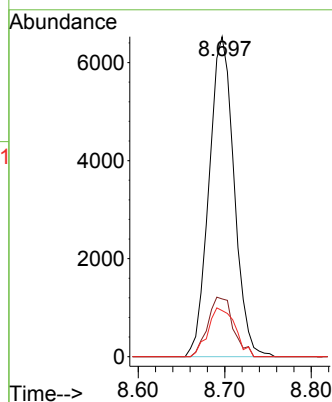
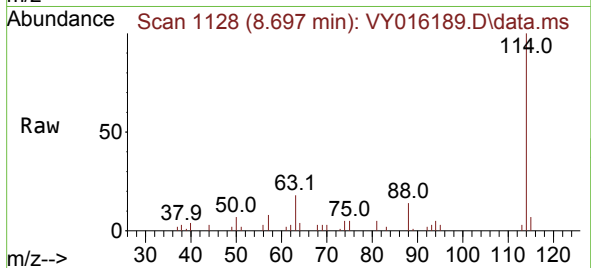
Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	13110
Ion	Ratio	Lower Upper
114	100	
63	18.1	0.0 42.4
88	14.4	0.0 30.6



#35

Dibromofluoromethane

Concen: 33.714 ug/l

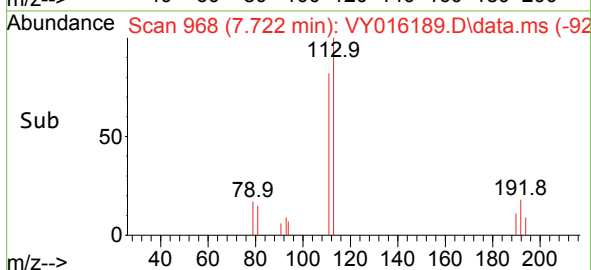
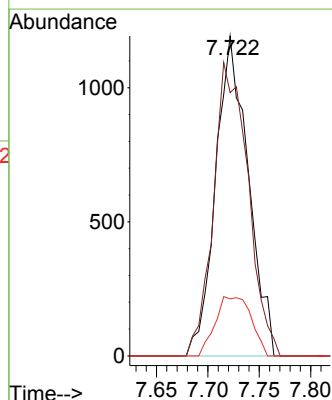
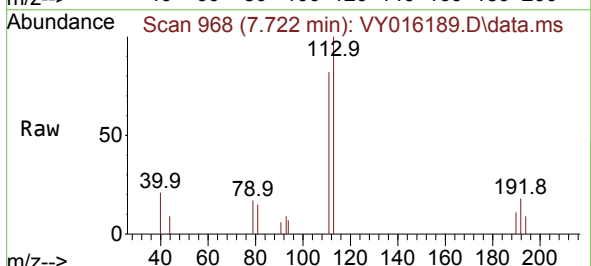
RT: 7.722 min Scan# 968

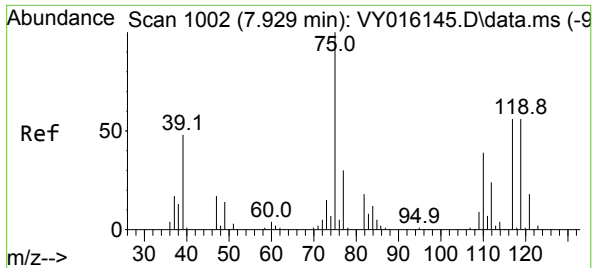
Delta R.T. -0.006 min

Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Tgt Ion:113	Resp:	2635
Ion	Ratio	Lower Upper
113	100	
111	97.0	81.3 121.9
192	20.3	16.9 25.3

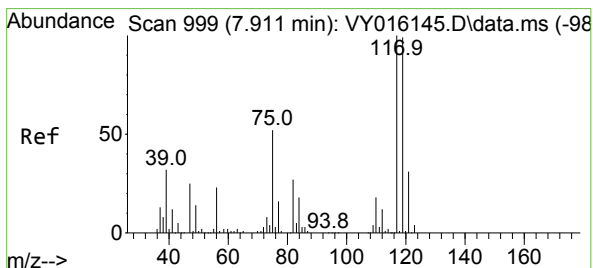
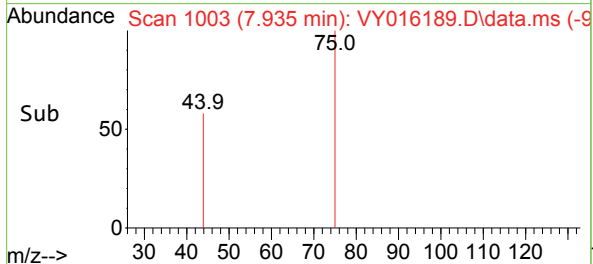
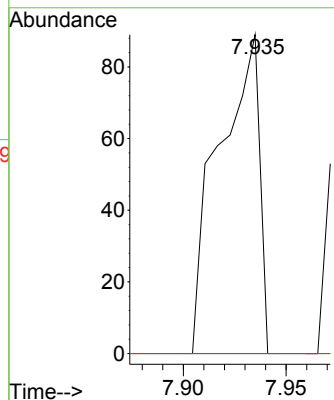
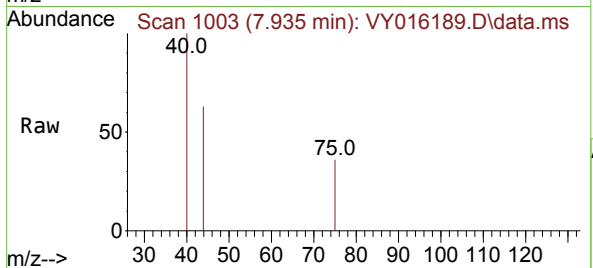




#36
1,1-Dichloropropene
Concen: 1.081 ug/l
RT: 7.935 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

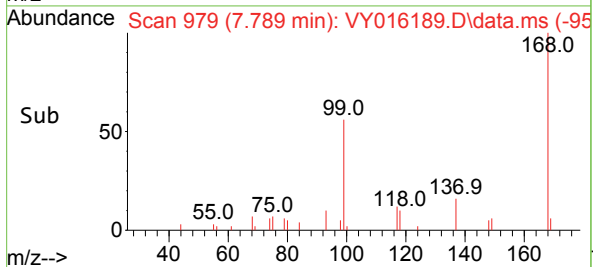
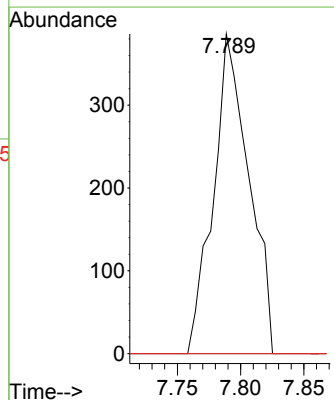
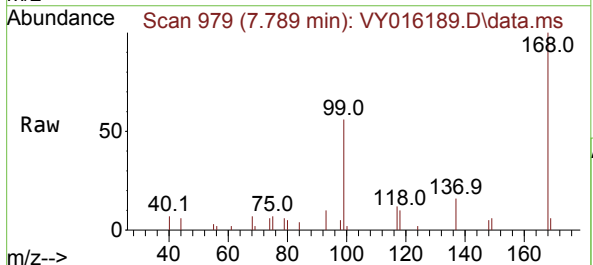
Instrument :
MSVOA_Y
ClientSampleId :

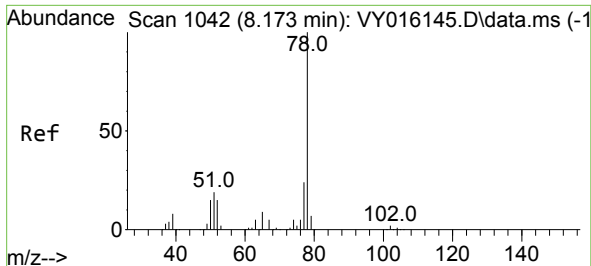
Tgt Ion: 75 Resp: 122
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.743 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion: 117 Resp: 754
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

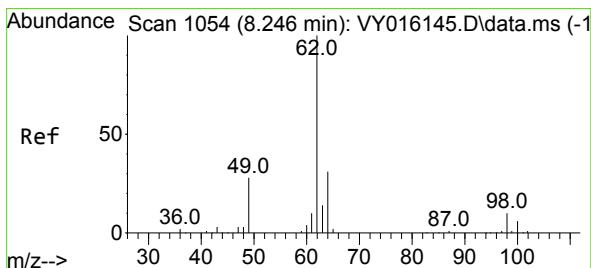
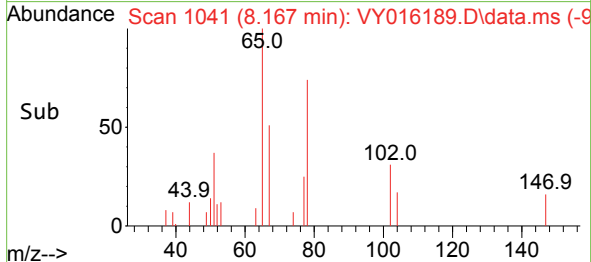
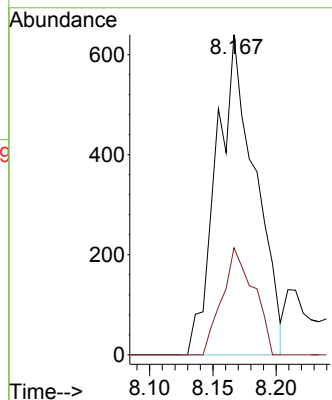
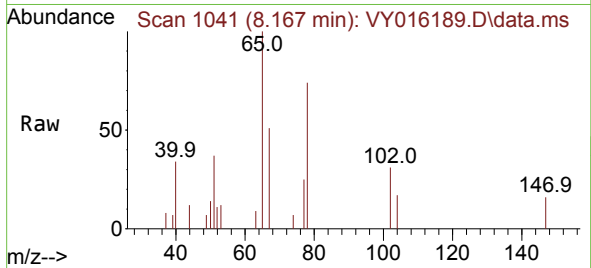




#40
Benzene
Concen: 4.210 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

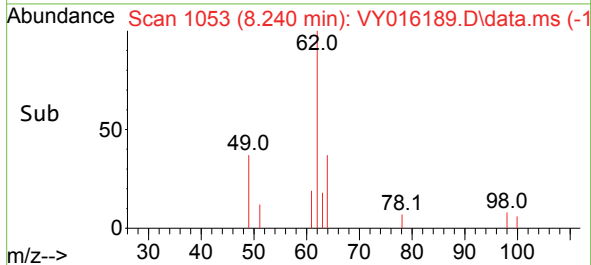
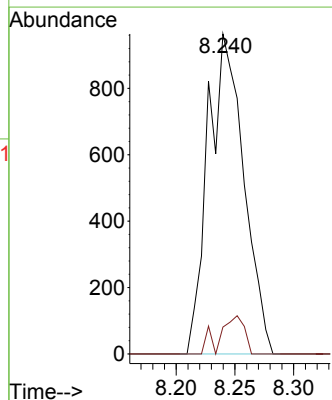
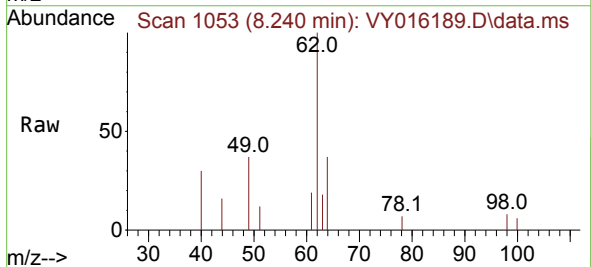
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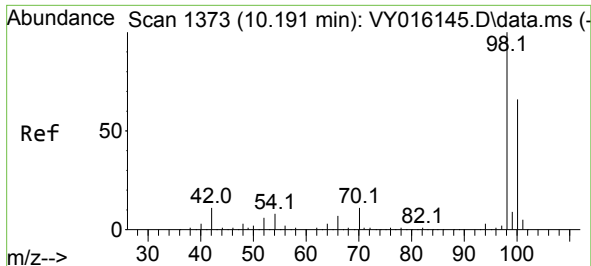
Tgt Ion: 78 Resp: 1364
Ion Ratio Lower Upper
78 100
77 33.4 19.0 28.6#



#42
1,2-Dichloroethane
Concen: 22.606 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion: 62 Resp: 2044
Ion Ratio Lower Upper
62 100
98 8.2 0.0 15.8





#50

Toluene-d8

Concen: 47.267 ug/l

RT: 10.185 min Scan# 1373

Delta R.T. -0.006 min

Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

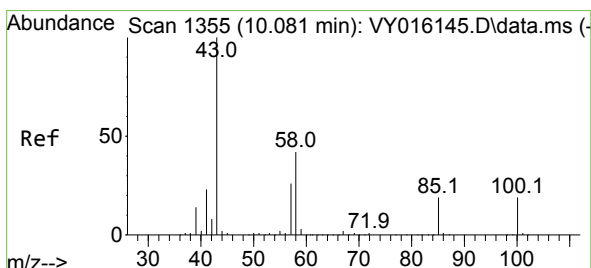
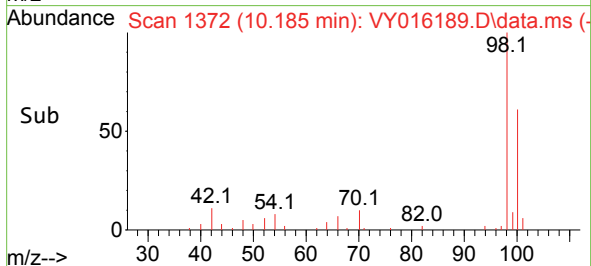
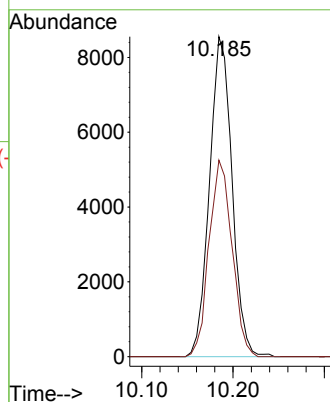
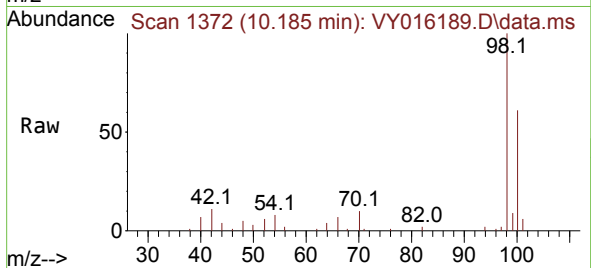
ClientSampleId :

Tgt Ion: 98 Resp: 14647

Ion Ratio Lower Upper

98 100

100 62.6 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 3.406 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. -0.013 min

Lab File: VY016189.D

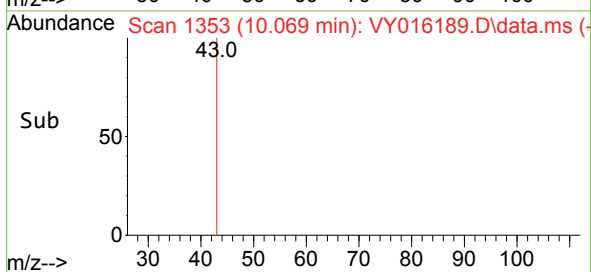
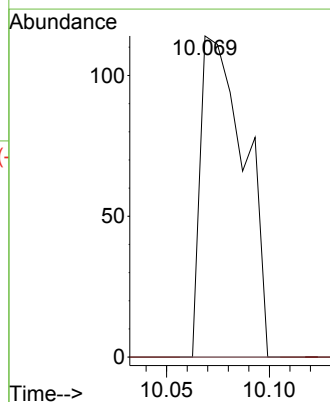
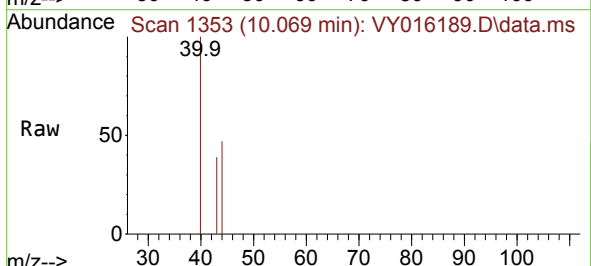
Acq: 02 Nov 2023 14:48

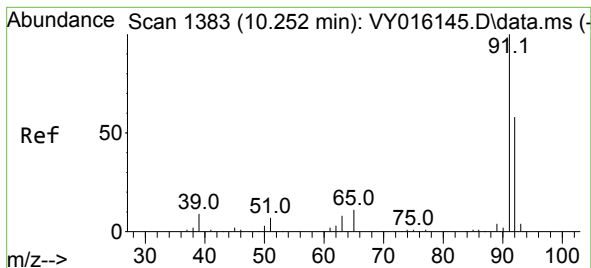
Tgt Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#





#52

Toluene

Concen: 16.499 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

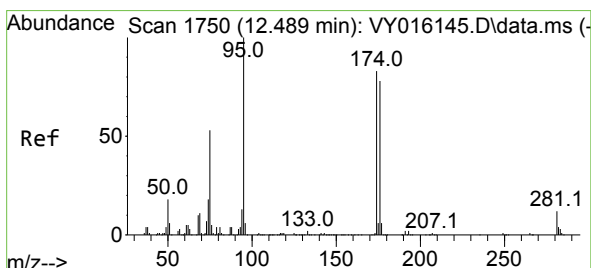
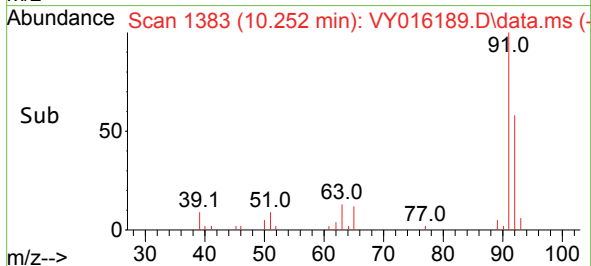
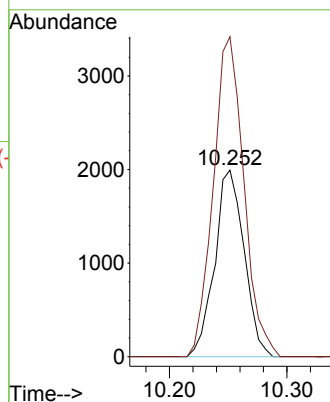
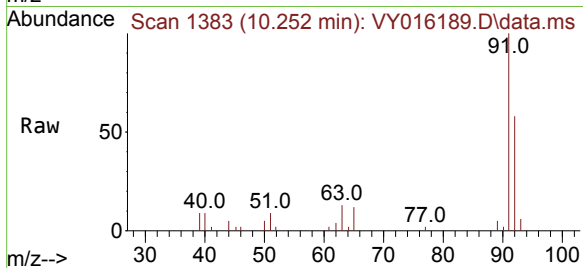
ClientSampleId :

Tgt Ion: 92 Resp: 3464

Ion Ratio Lower Upper

92 100

91 178.5 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 46.044 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

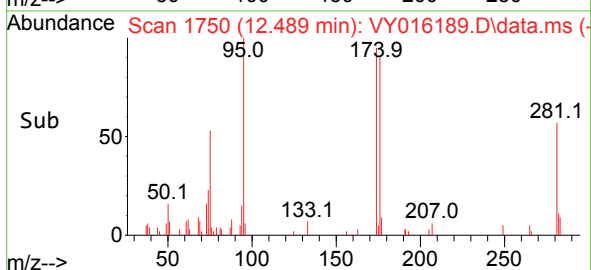
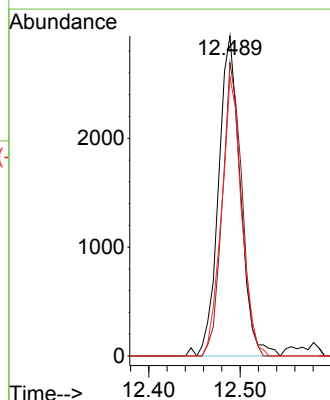
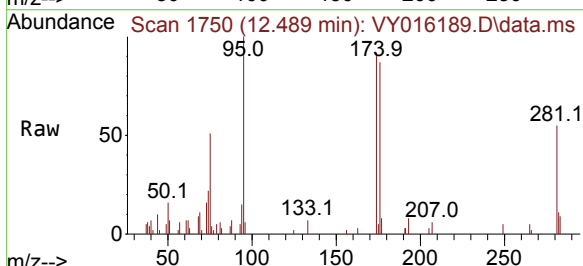
Tgt Ion: 95 Resp: 4879

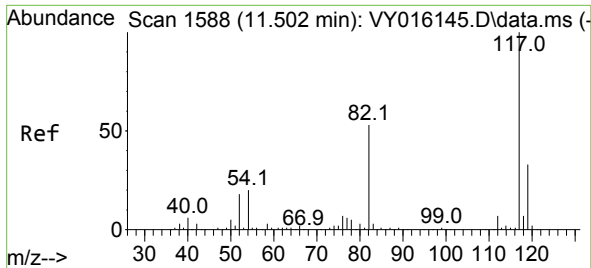
Ion Ratio Lower Upper

95 100

174 81.8 0.0 178.2

176 80.2 0.0 173.8

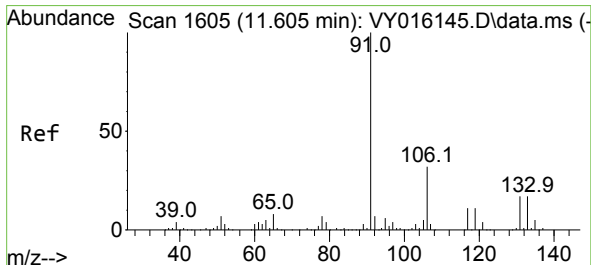
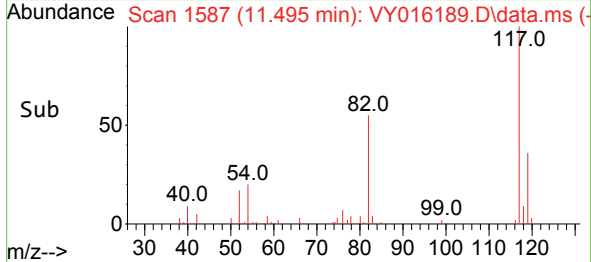
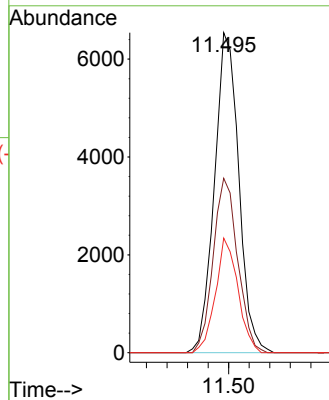
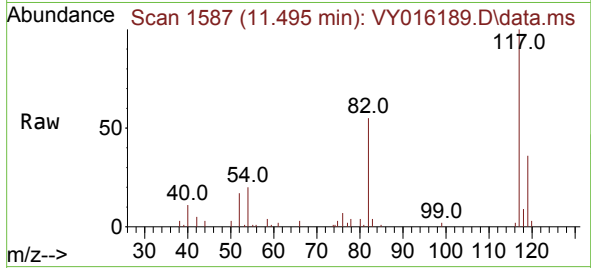




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

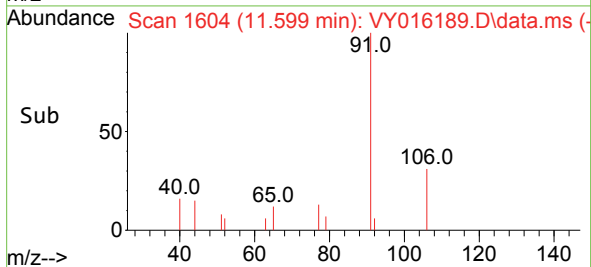
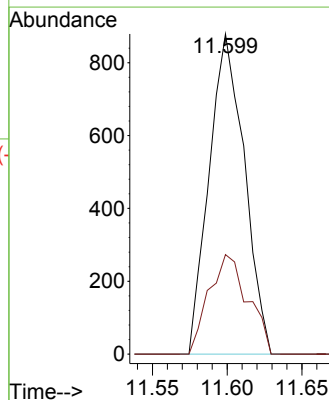
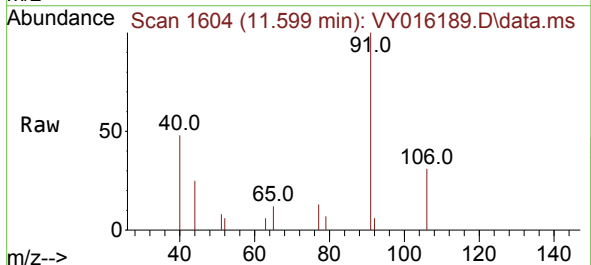
Instrument :
MSVOA_Y
ClientSampleId :

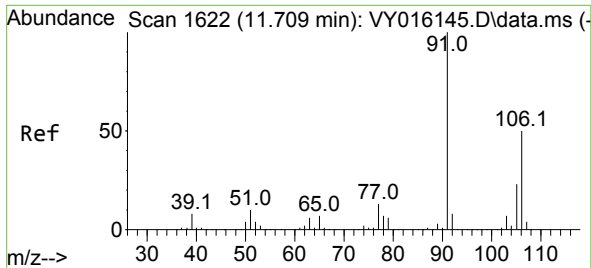
Tgt Ion:117 Resp: 10750
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 35.8 26.3 39.5



#67
Ethyl Benzene
Concen: 3.767 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion: 91 Resp: 1439
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

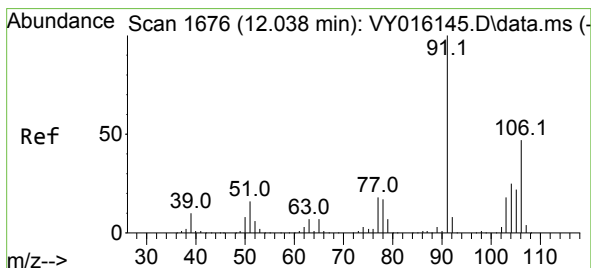
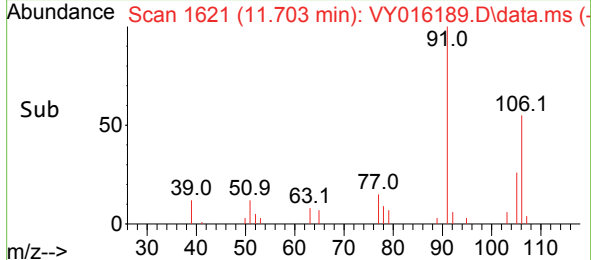
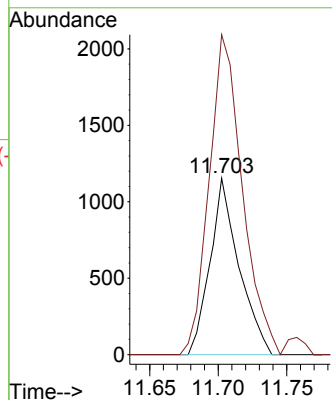
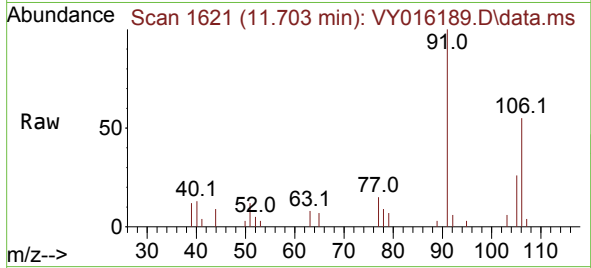




#68
m/p-Xylenes
Concen: 11.456 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

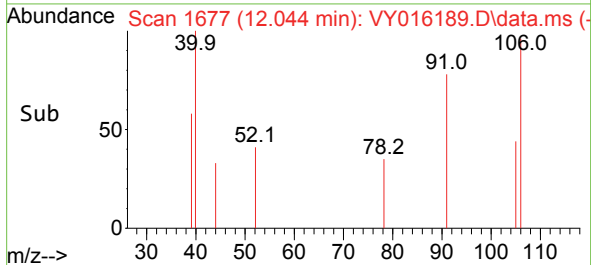
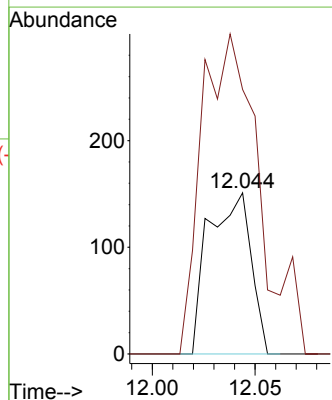
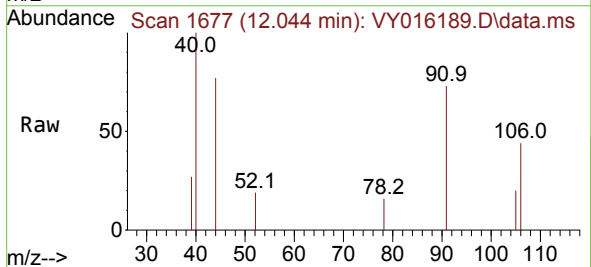
Instrument :
MSVOA_Y
ClientSampleId :

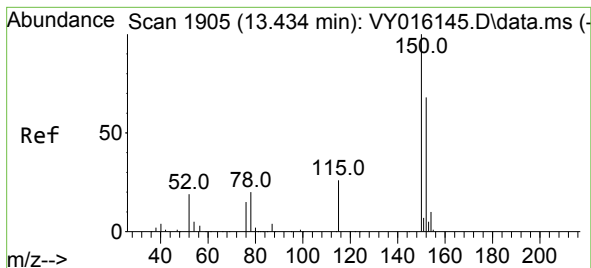
Tgt Ion:106 Resp: 1691
Ion Ratio Lower Upper
106 100
91 208.9 166.1 249.1



#69
o-Xylene
Concen: 1.533 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion:106 Resp: 216
Ion Ratio Lower Upper
106 100
91 269.0 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

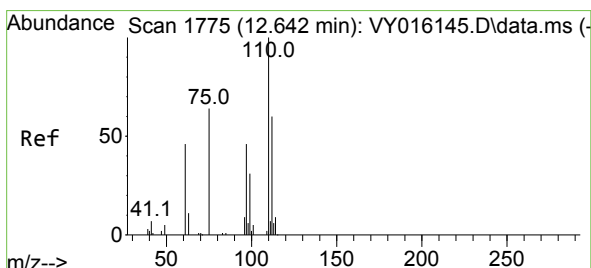
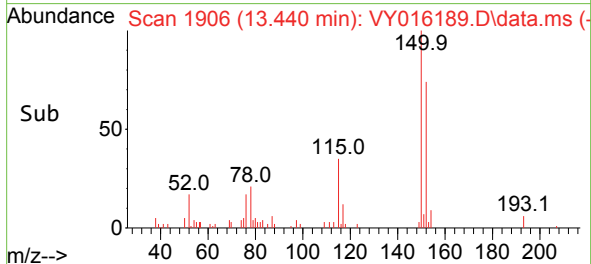
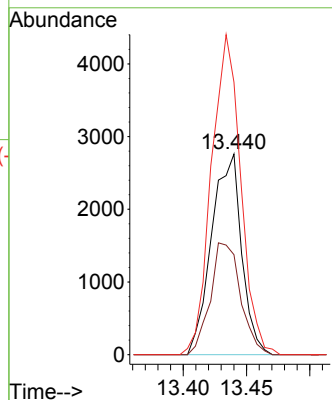
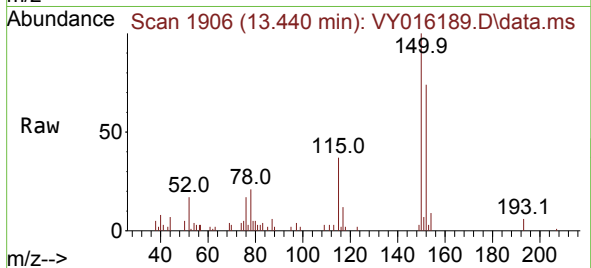
Tgt Ion:152 Resp: 4553

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 155.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 57.491 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016189.D

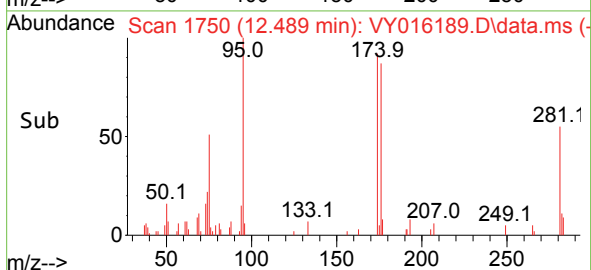
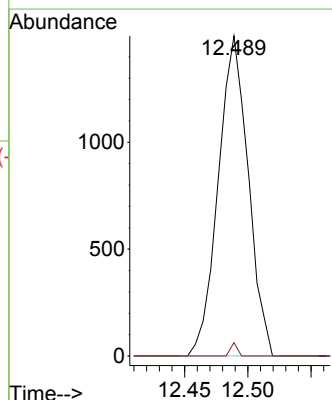
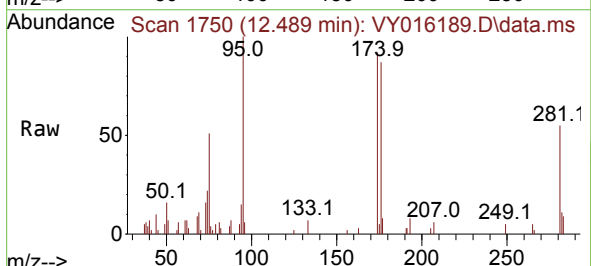
Acq: 02 Nov 2023 14:48

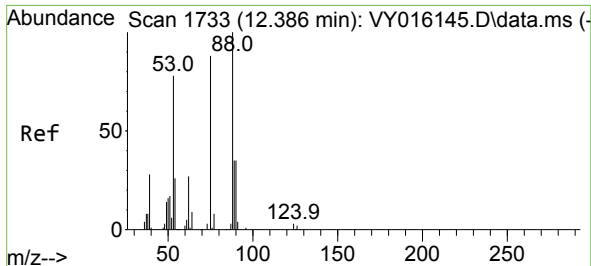
Tgt Ion: 75 Resp: 2465

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

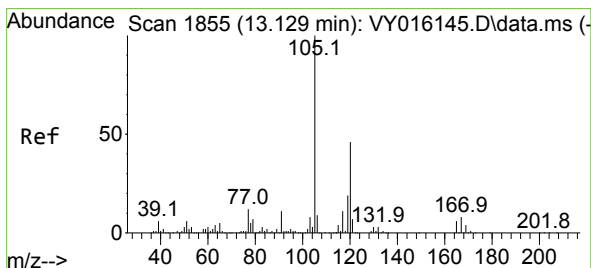
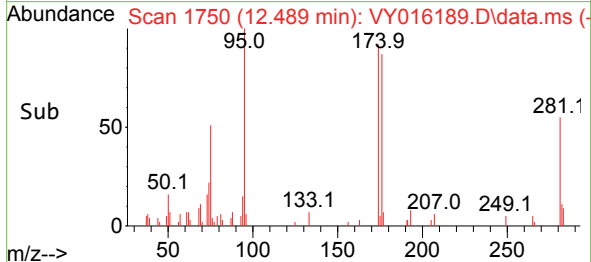
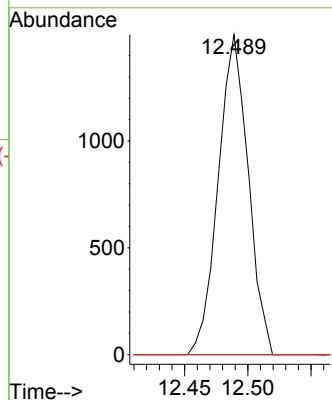
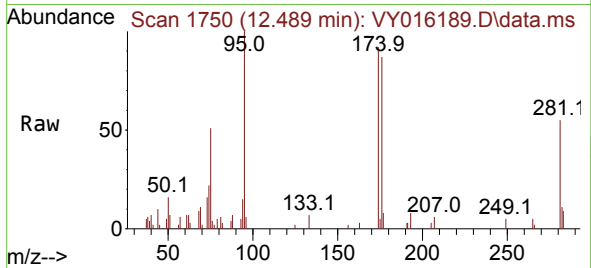




#81
trans-1,4-Dichloro-2-butene
Concen: 124.654 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

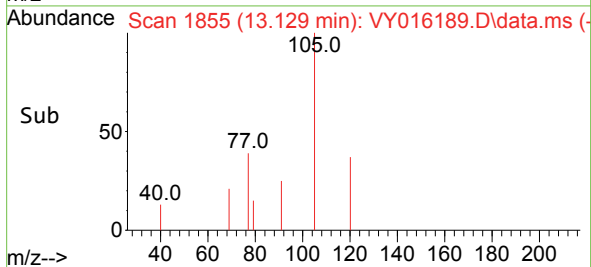
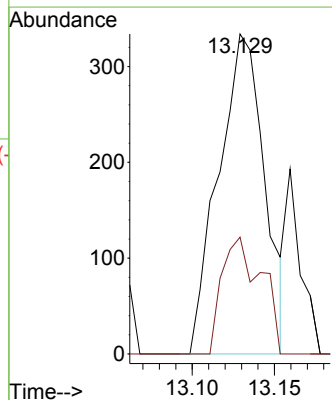
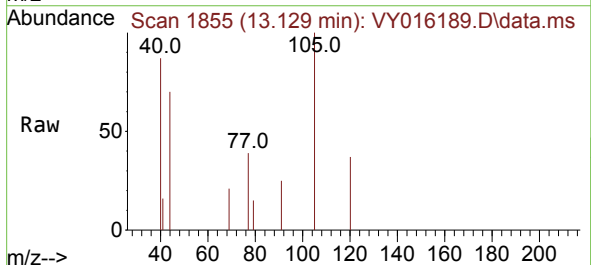
Instrument :
MSVOA_Y
ClientSampleId :

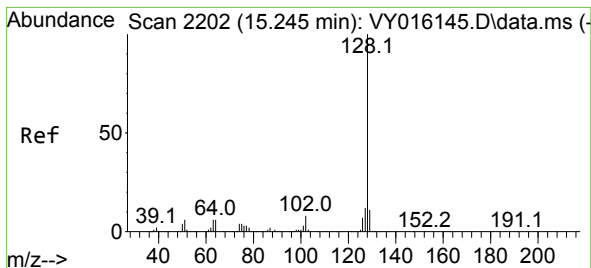
Tgt Ion: 75 Resp: 2465
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.374 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016189.D
Acq: 02 Nov 2023 14:48

Tgt Ion:105 Resp: 650
Ion Ratio Lower Upper
105 100
120 31.2 22.2 66.6





#95

Naphthalene

Concen: 3.989 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

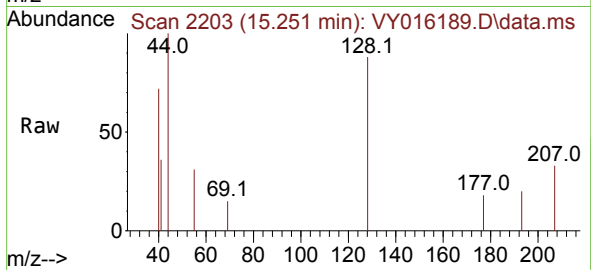
Lab File: VY016189.D

Acq: 02 Nov 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 632

Ion Ratio Lower Upper

128 100

127 10.0 10.8 16.2#

129 0.0 8.6 13.0#

