

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016186.D
 Acq On : 02 Nov 2023 13:38
 Operator : SY/MD
 Sample : 05206-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:39:58 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)

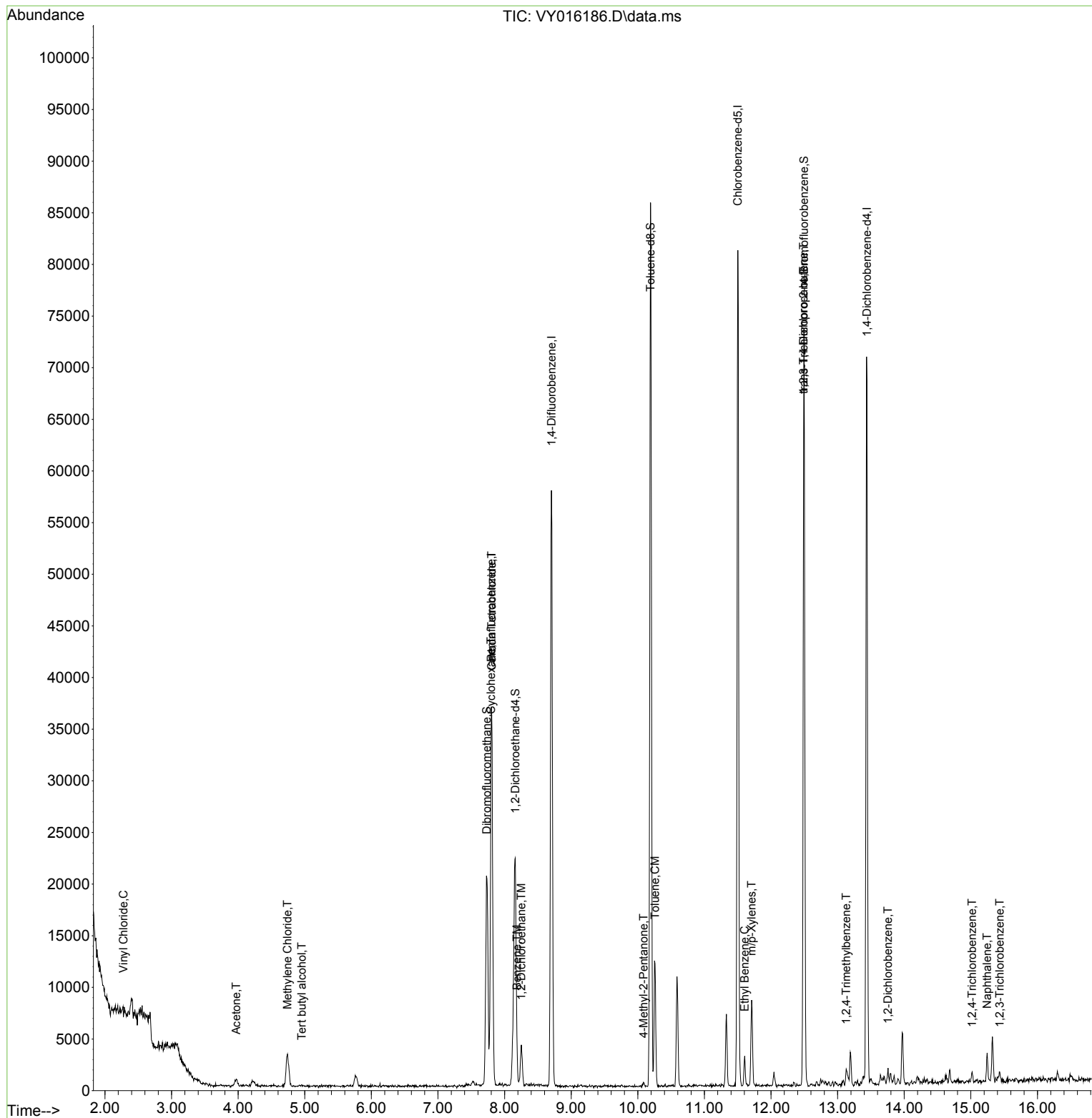
Internal Standards						
1) Pentafluorobenzene	7.801	168	30017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	51938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	45747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	18625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	16636	59.228	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.460%
35) Dibromofluoromethane	7.734	113	14846	47.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.900%
50) Toluene-d8	10.191	98	57547	46.875	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.495	95	18738	44.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.280%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.278	62	285	1.042	ug/l #	44
11) Tert butyl alcohol	4.954	59	260	12.389	ug/l #	89
13) Acrolein	3.747	56	48	Below Cal		89
16) Acetone	3.972	43	1366	12.327	ug/l	94
20) Methylene Chloride	4.741	84	2526	6.172	ug/l #	84
31) Cyclohexane	7.795	56	605	1.401	ug/l #	1
38) Carbon Tetrachloride	7.807	117	2788	6.294	ug/l #	12
40) Benzene	8.185	78	2290	1.784	ug/l	93
42) 1,2-Dichloroethane	8.252	62	3274	9.140	ug/l	96
51) 4-Methyl-2-Pentanone	10.087	43	418	2.127	ug/l #	39
52) Toluene	10.258	92	5235	6.294	ug/l	96
67) Ethyl Benzene	11.605	91	2248	1.383	ug/l #	83
68) m/p-Xylenes	11.709	106	2460	3.916	ug/l	97
76) 1,2,3-Trichloropropane	12.489	75	10222	58.280	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	10222	126.365	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.129	105	1313	1.172	ug/l	71
91) 1,2-Dichlorobenzene	13.757	146	576	1.066	ug/l	86
93) 1,2,4-Trichlorobenzene	15.019	180	394	1.181	ug/l	86
95) Naphthalene	15.245	128	2425	3.741	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	364	1.277	ug/l	94

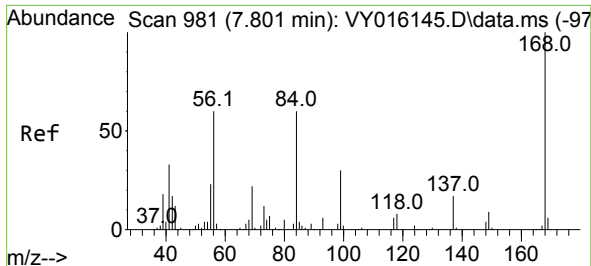
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 03 01:39:58 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

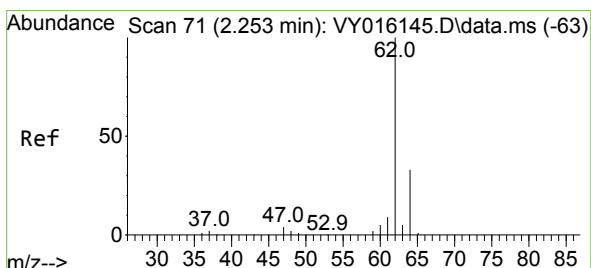
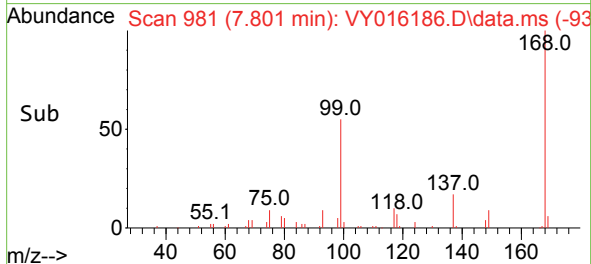
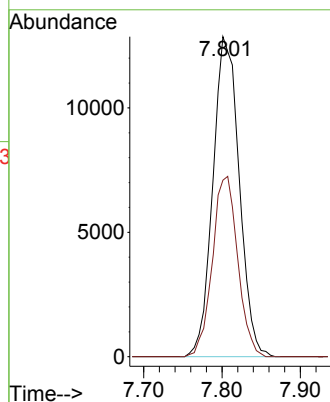
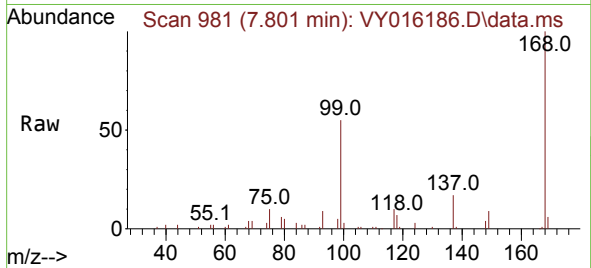




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

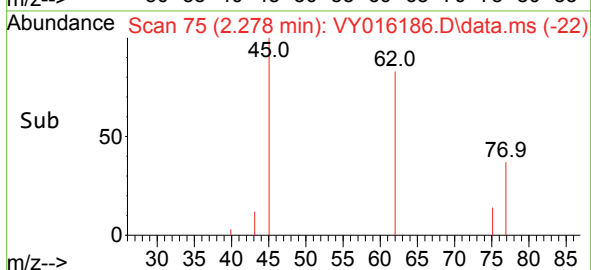
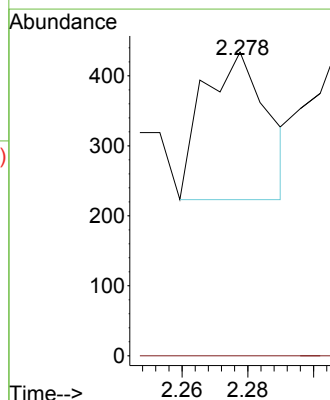
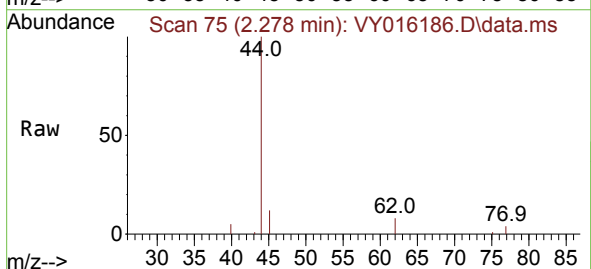
Instrument :
MSVOA_Y
ClientSampleId :

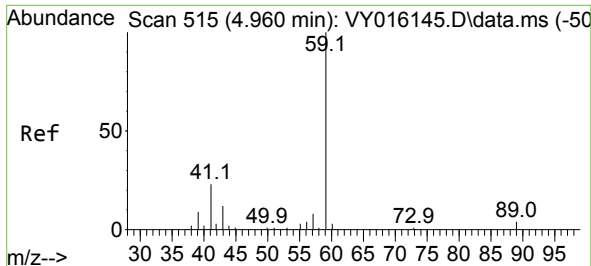
Tgt Ion:168 Resp: 30017
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#4
Vinyl Chloride
Concen: 1.042 ug/l
RT: 2.278 min Scan# 75
Delta R.T. 0.024 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 62 Resp: 285
Ion Ratio Lower Upper
62 100
64 0.0 24.3 36.5#





#11

Tert butyl alcohol

Concen: 12.389 ug/l

RT: 4.954 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

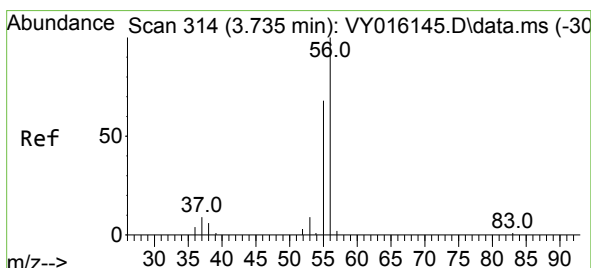
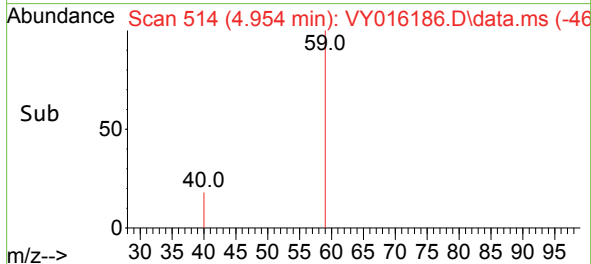
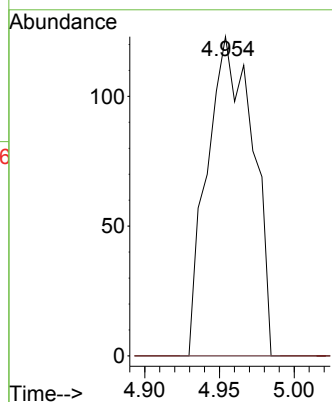
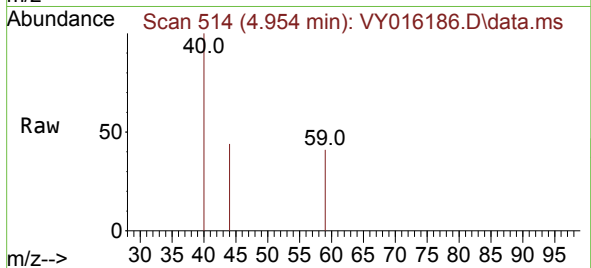
ClientSampleId :

Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: Below Cal

RT: 3.747 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY016186.D

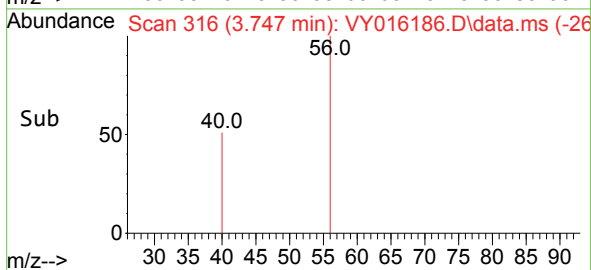
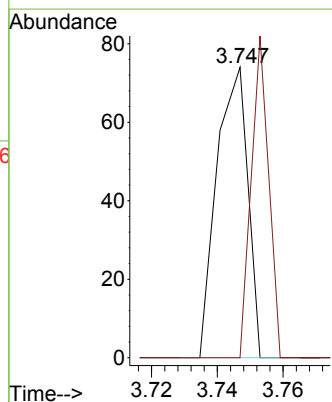
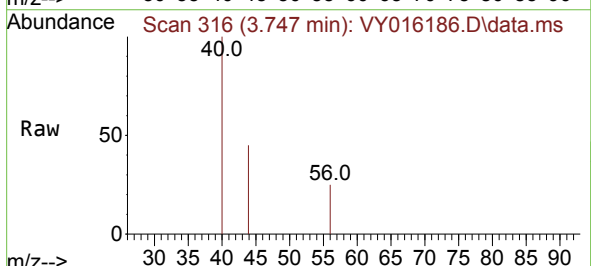
Acq: 02 Nov 2023 13:38

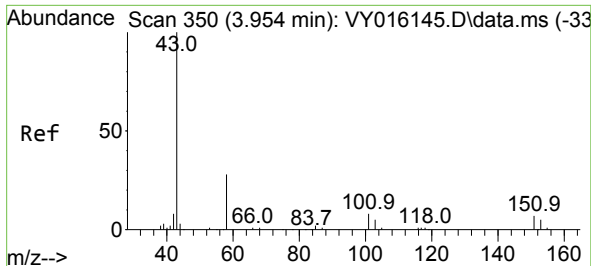
Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

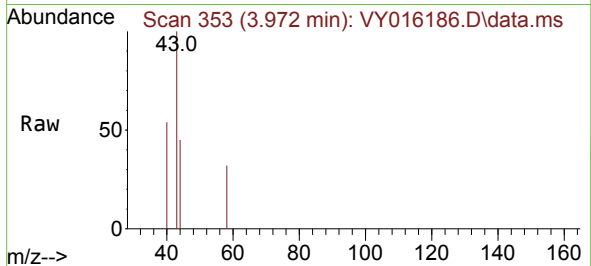
55 62.5 57.0 85.4



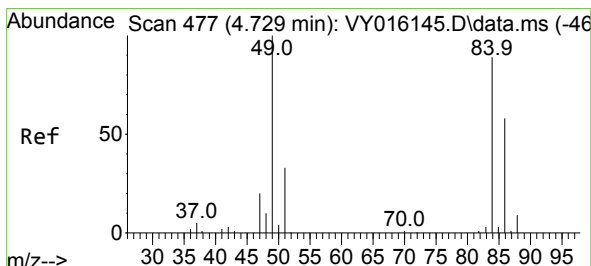
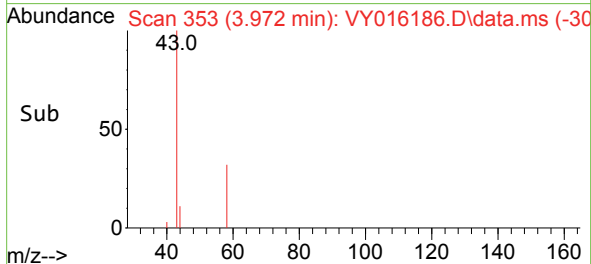
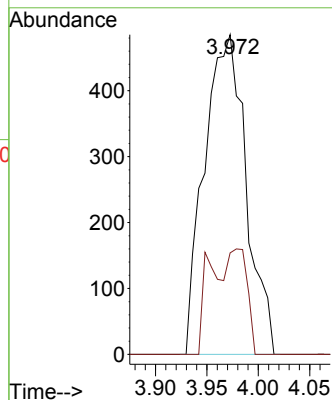


#16
Acetone
Concen: 12.327 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :

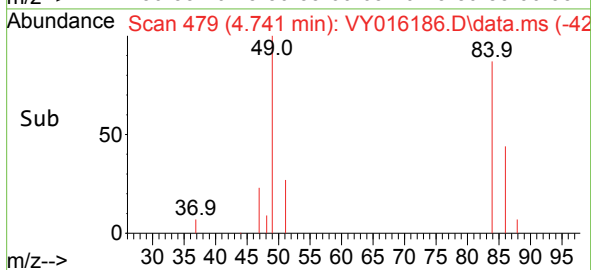
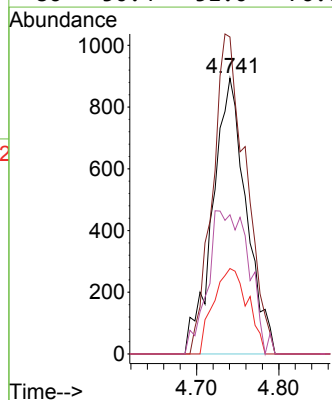
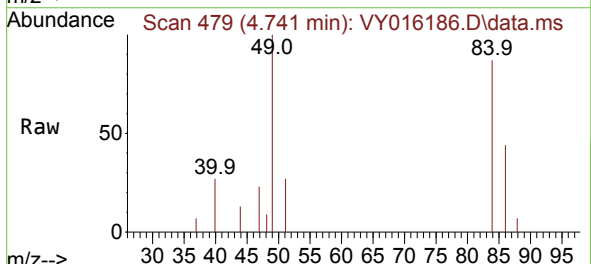


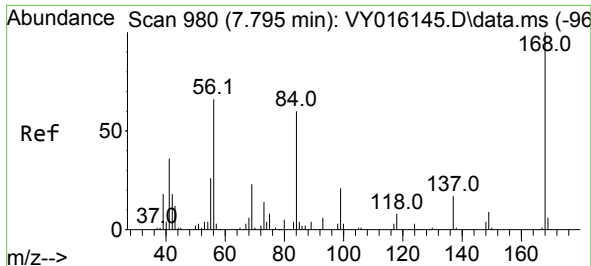
Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1



#20
Methylene Chloride
Concen: 6.172 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

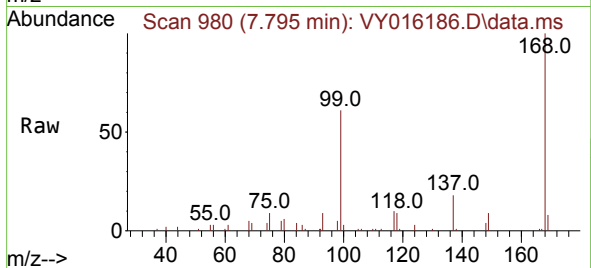
Tgt Ion: 84 Resp: 2526
Ion Ratio Lower Upper
84 100
49 114.9 106.9 160.3
51 31.0 33.2 49.8#
86 50.4 51.0 76.6#



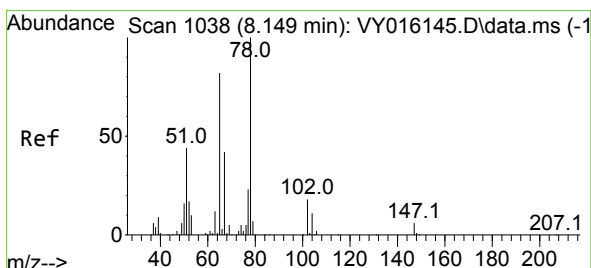
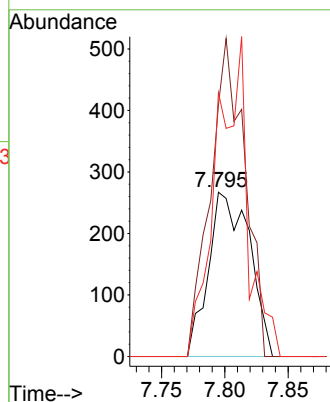
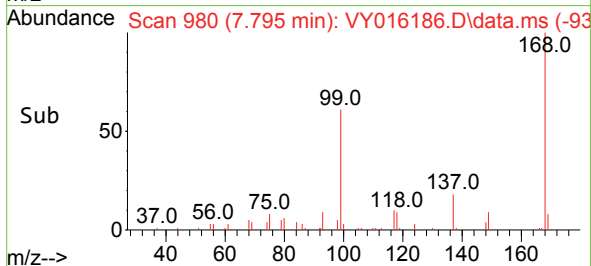


#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :

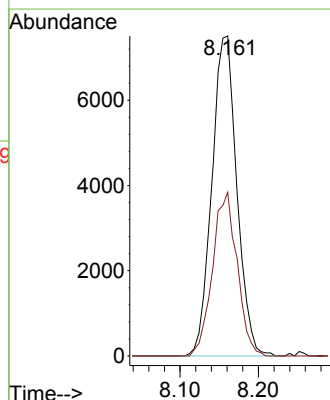
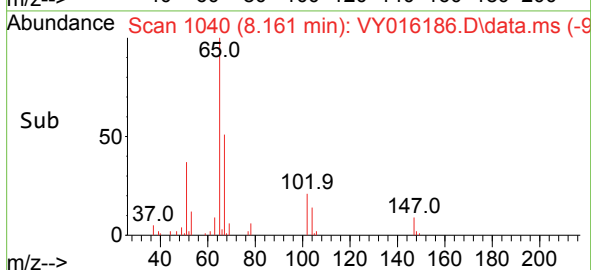
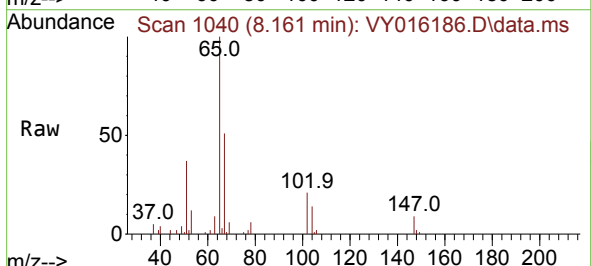


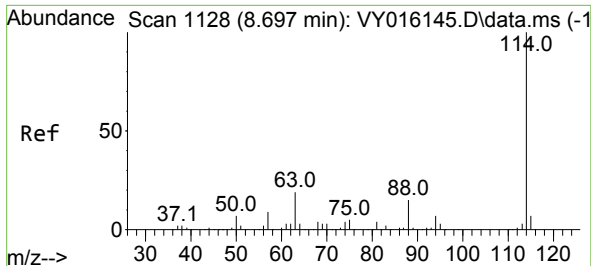
Tgt Ion: 56 Resp: 605
Ion Ratio Lower Upper
56 100
69 153.2 27.8 41.6#
84 160.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.228 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 65 Resp: 16636
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016186.D

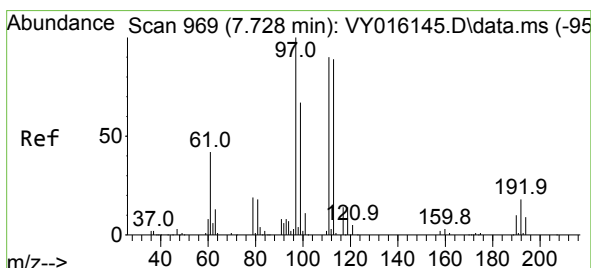
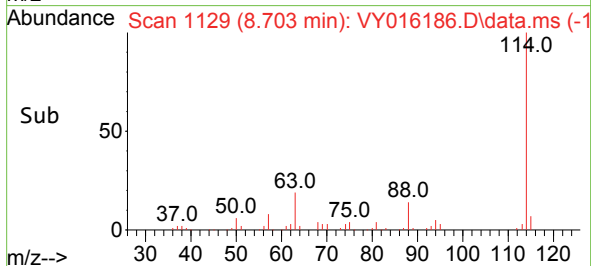
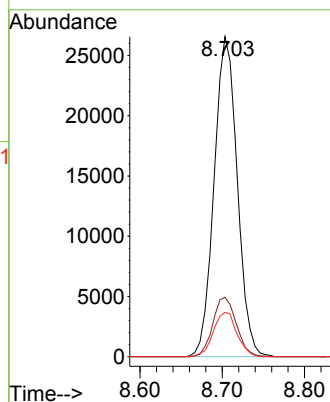
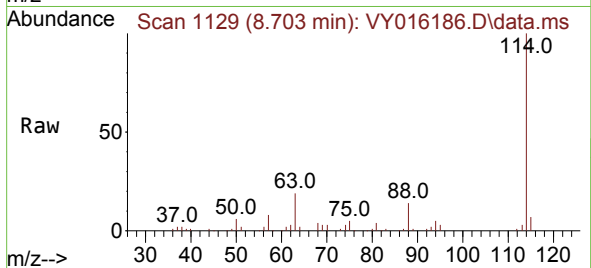
Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	51938
Ion Ratio	Lower	Upper
114	100	
63	18.6	0.0 42.4
88	13.8	0.0 30.6



#35

Dibromofluoromethane

Concen: 47.946 ug/l

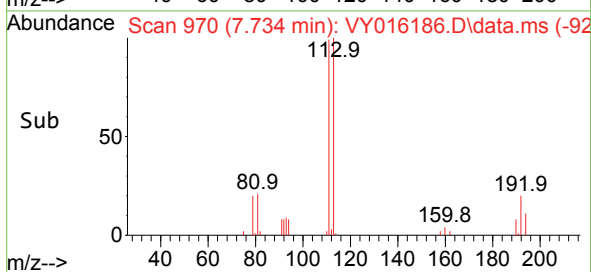
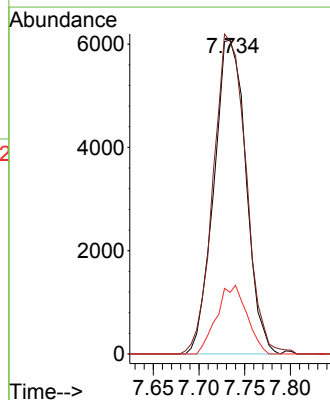
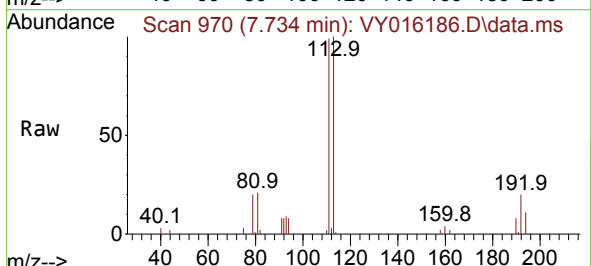
RT: 7.734 min Scan# 970

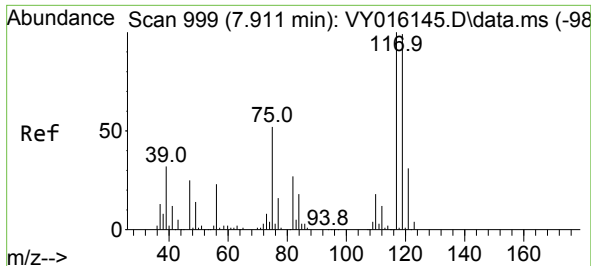
Delta R.T. 0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

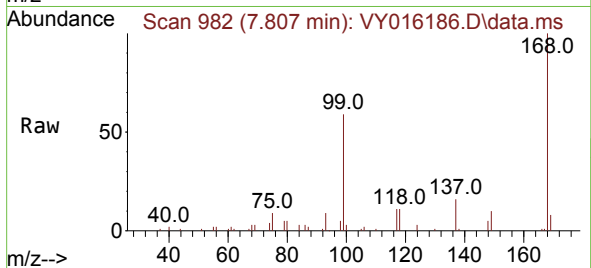
Tgt Ion:113	Resp:	14846
Ion Ratio	Lower	Upper
113	100	
111	103.8	81.3 121.9
192	20.5	16.9 25.3



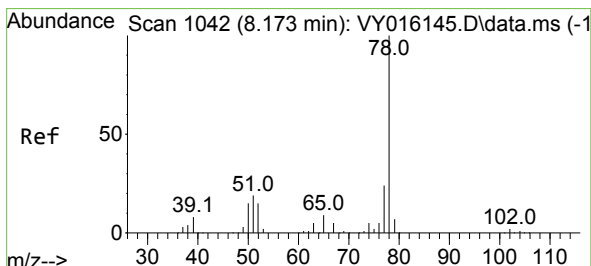
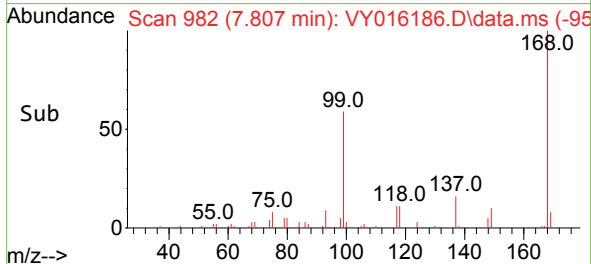
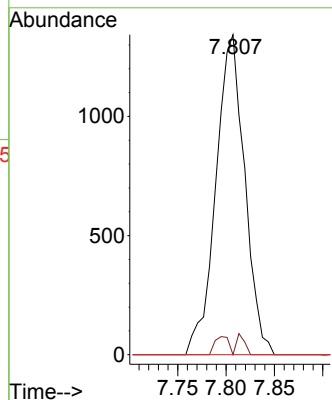


#38
Carbon Tetrachloride
Concen: 6.294 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :

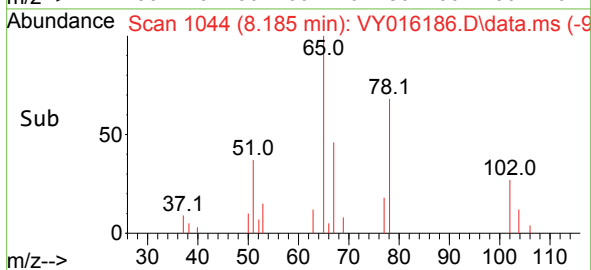
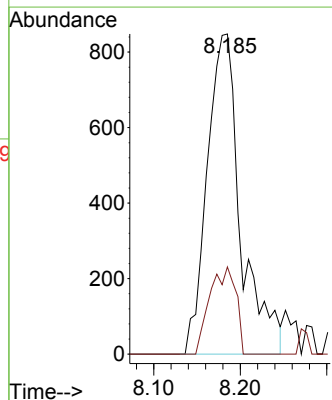
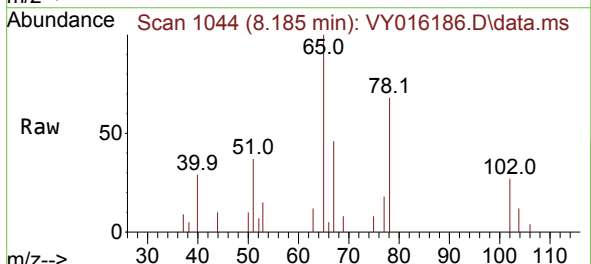


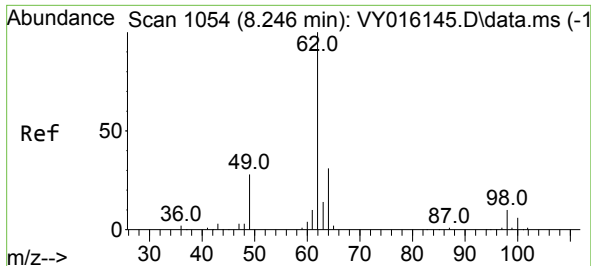
Tgt Ion:117 Resp: 2788
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.784 ug/l
RT: 8.185 min Scan# 1044
Delta R.T. 0.012 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 78 Resp: 2290
Ion Ratio Lower Upper
78 100
77 27.2 19.0 28.6





#42

1,2-Dichloroethane

Concen: 9.140 ug/l

RT: 8.252 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

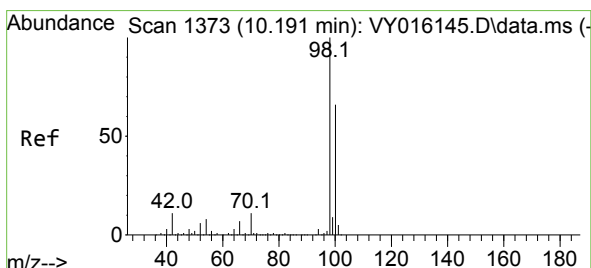
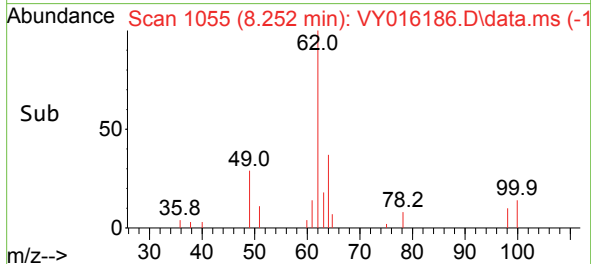
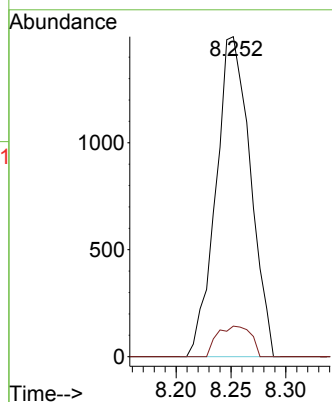
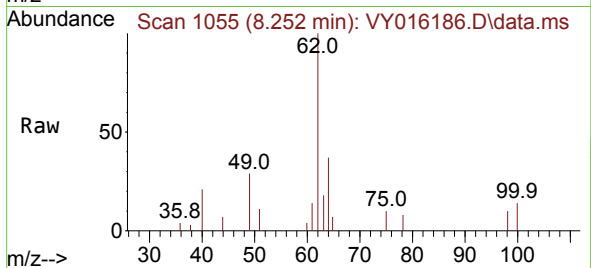
ClientSampleId :

Tgt Ion: 62 Resp: 3274

Ion Ratio Lower Upper

62 100

98 9.3 0.0 15.8



#50

Toluene-d8

Concen: 46.875 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016186.D

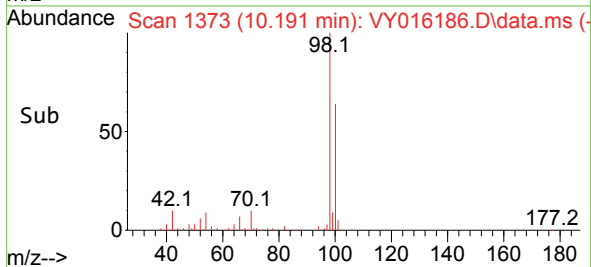
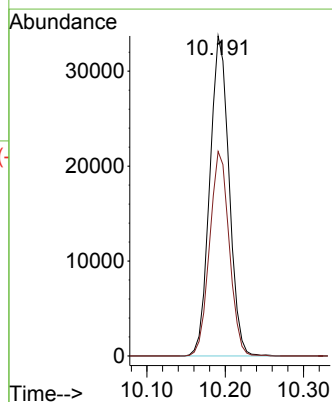
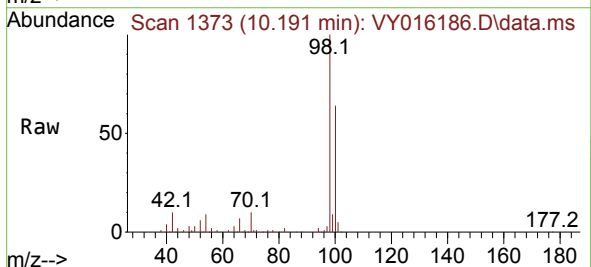
Acq: 02 Nov 2023 13:38

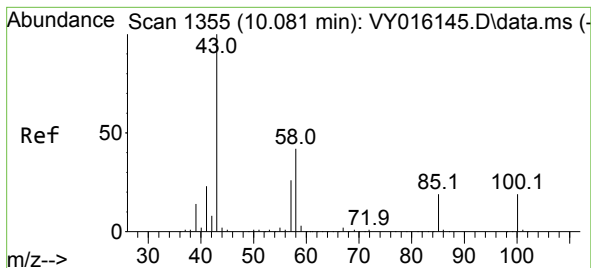
Tgt Ion: 98 Resp: 57547

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

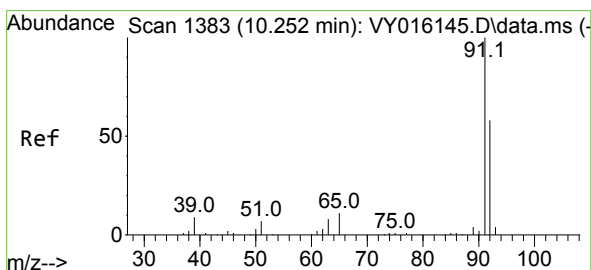
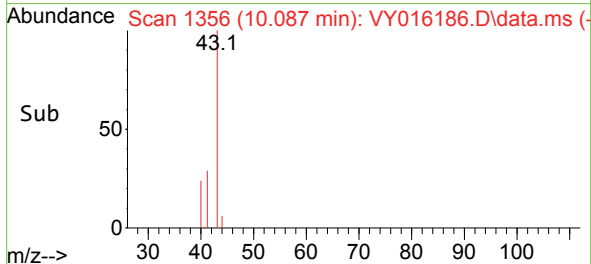
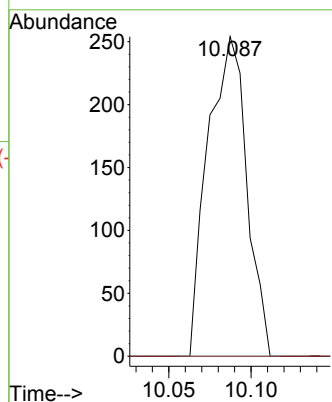
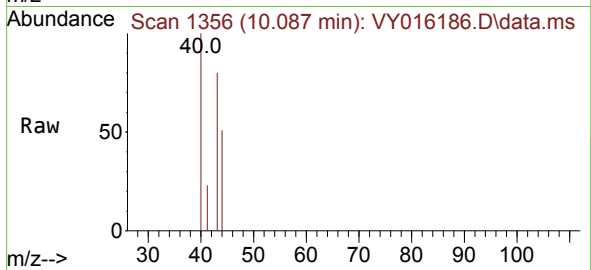




#51
4-Methyl-2-Pentanone
Concen: 2.127 ug/l
RT: 10.087 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

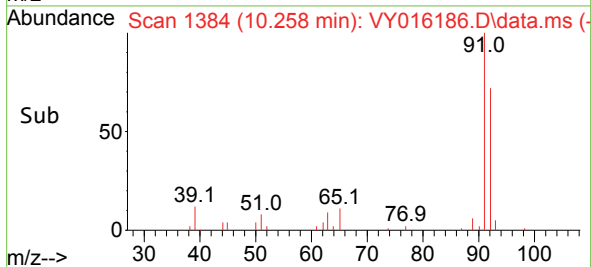
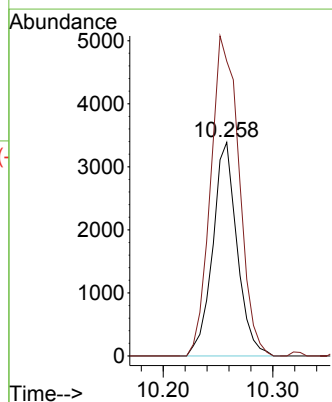
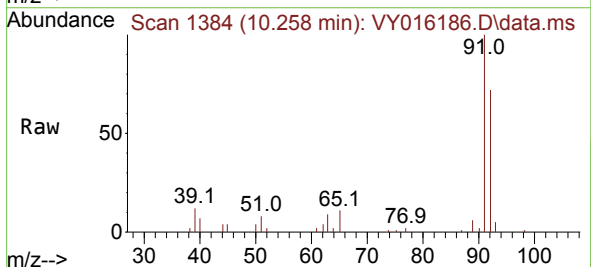
Instrument :
MSVOA_Y
ClientSampleId :

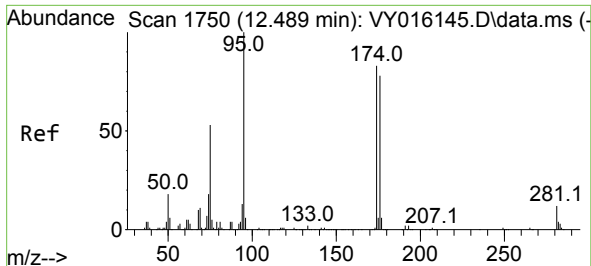
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#52
Toluene
Concen: 6.294 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 92 Resp: 5235
Ion Ratio Lower Upper
92 100
91 174.1 143.8 215.6

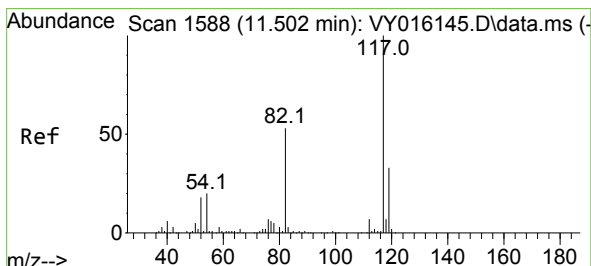
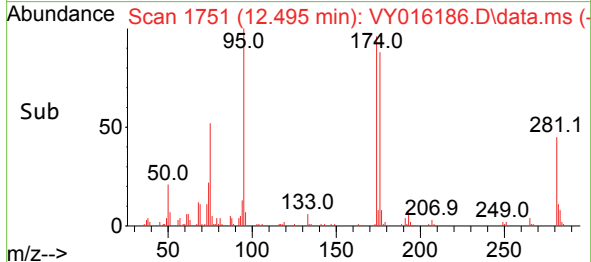
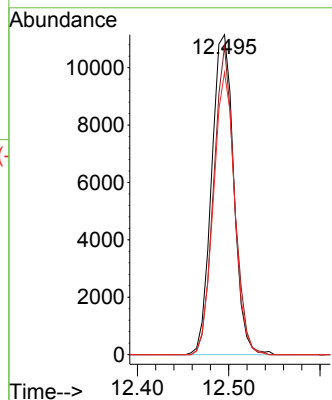
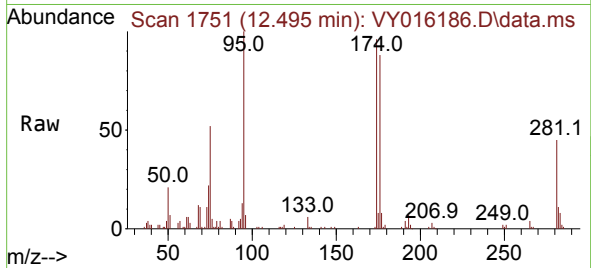




#62
4-Bromofluorobenzene
Concen: 44.636 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

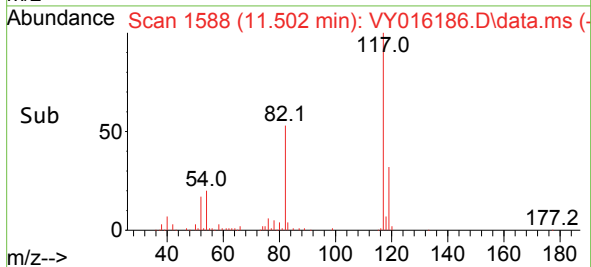
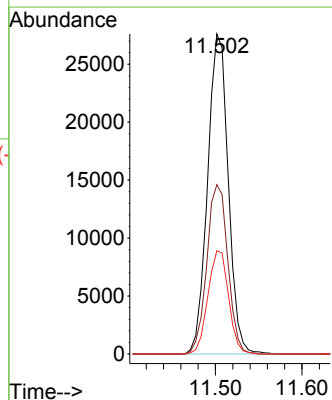
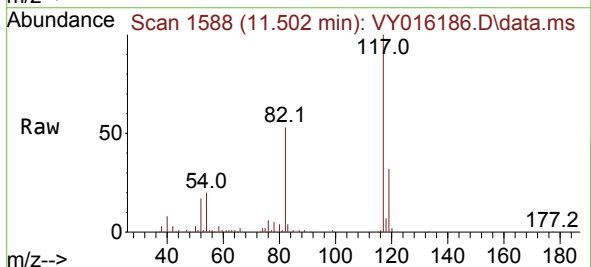
Instrument :
MSVOA_Y
ClientSampleId :

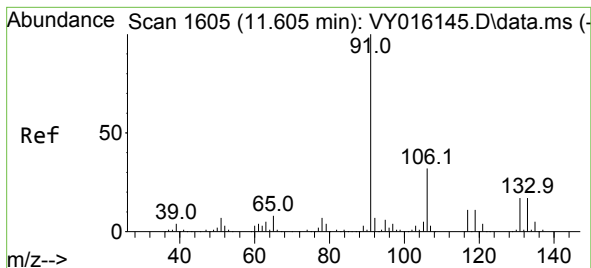
Tgt Ion: 95 Resp: 18738
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.2
176 84.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

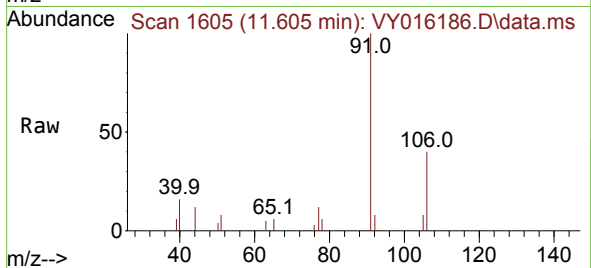
Tgt Ion: 117 Resp: 45747
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.2 26.3 39.5



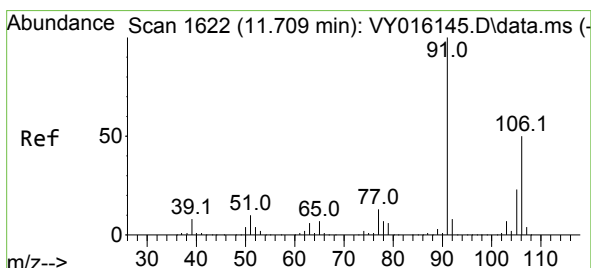
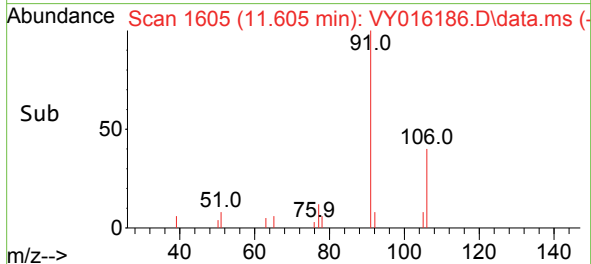
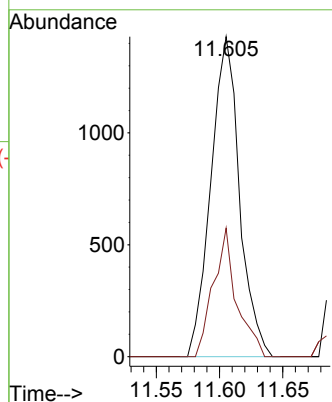


#67
Ethyl Benzene
Concen: 1.383 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :

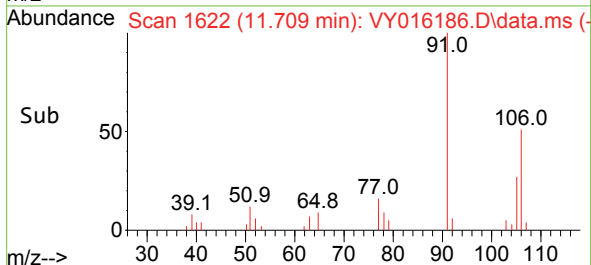
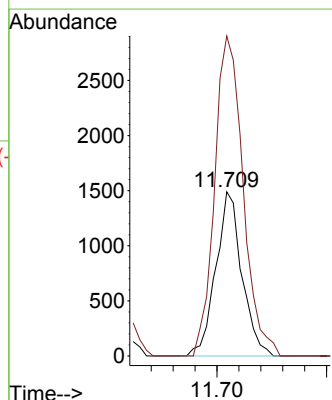
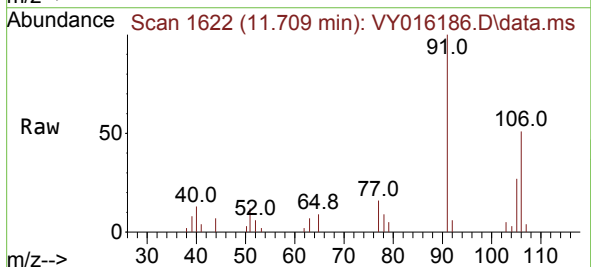


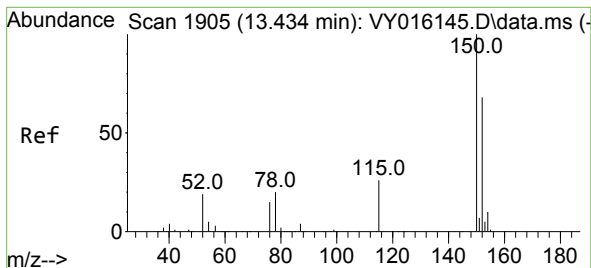
Tgt Ion: 91 Resp: 2248
Ion Ratio Lower Upper
91 100
106 40.1 24.6 36.8#



#68
m/p-Xylenes
Concen: 3.916 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 106 Resp: 2460
Ion Ratio Lower Upper
106 100
91 212.9 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

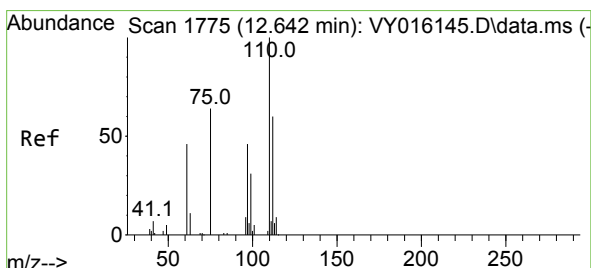
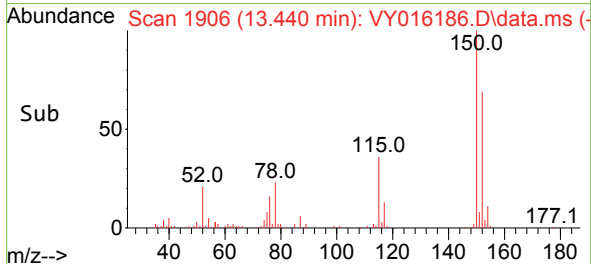
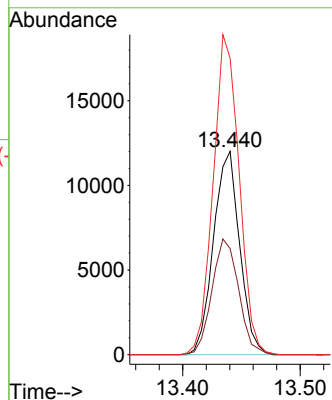
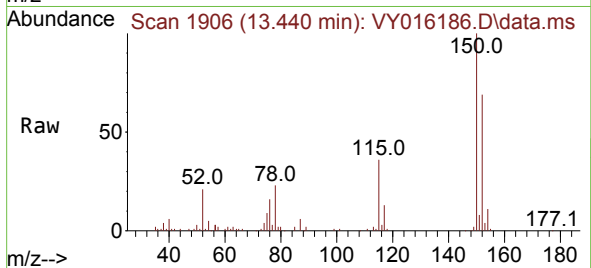
Tgt Ion:152 Resp: 18625

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 58.280 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016186.D

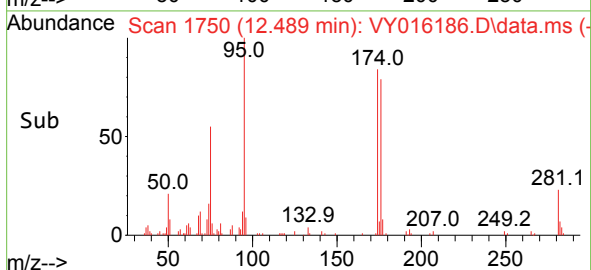
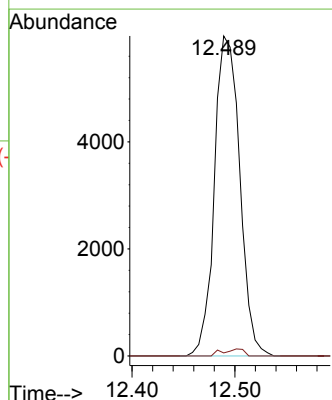
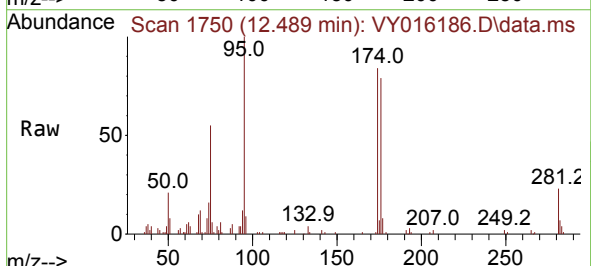
Acq: 02 Nov 2023 13:38

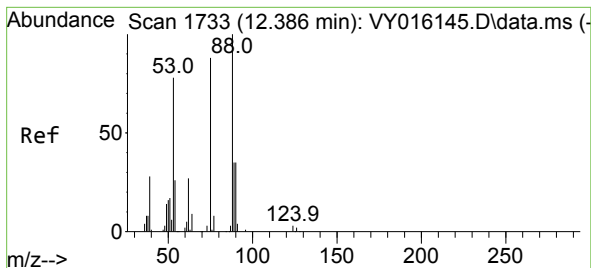
Tgt Ion: 75 Resp: 10222

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

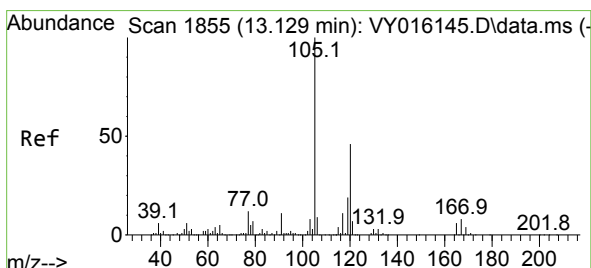
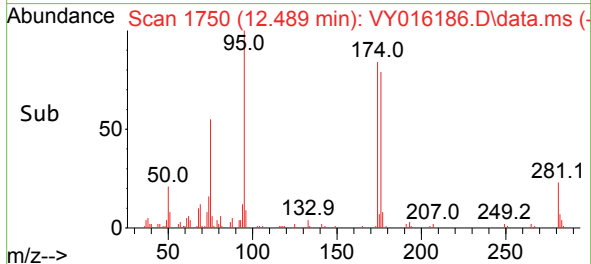
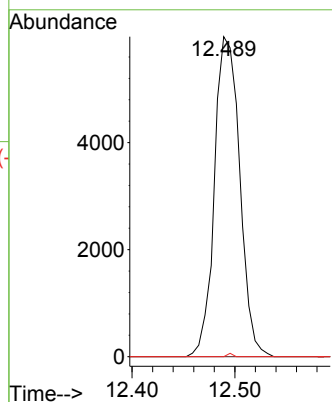
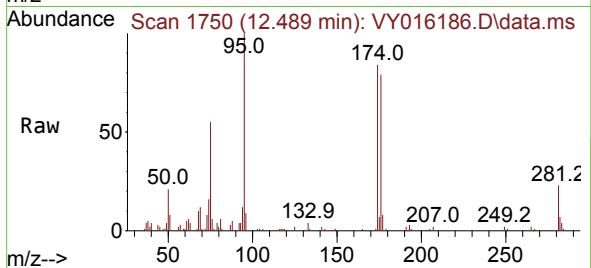




#81
trans-1,4-Dichloro-2-butene
Concen: 126.365 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

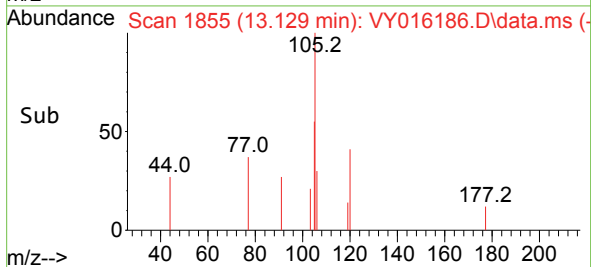
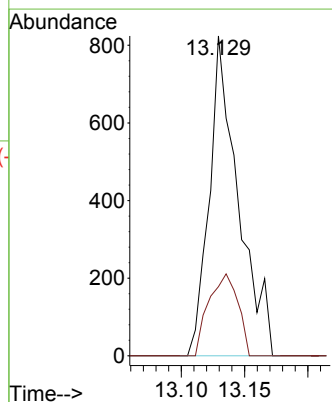
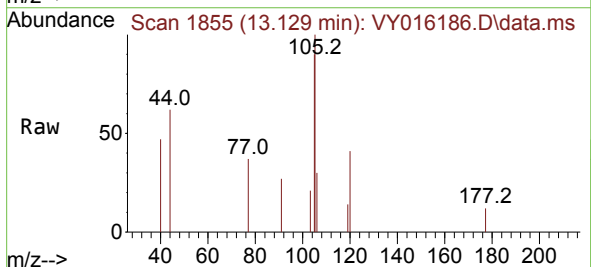
Instrument :
MSVOA_Y
ClientSampleId :

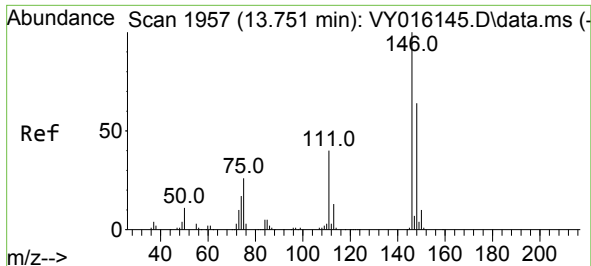
Tgt Ion: 75 Resp: 10222
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.172 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

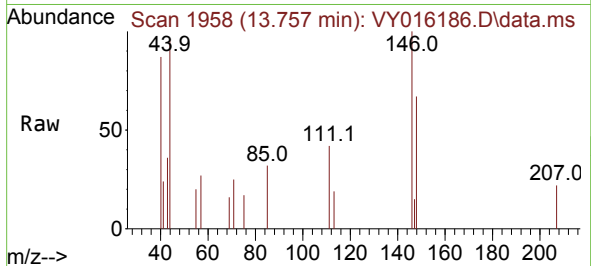
Tgt Ion: 105 Resp: 1313
Ion Ratio Lower Upper
105 100
120 25.8 22.2 66.6



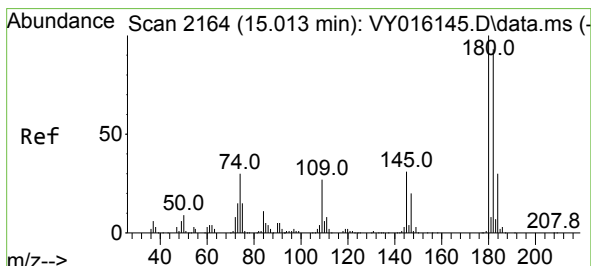
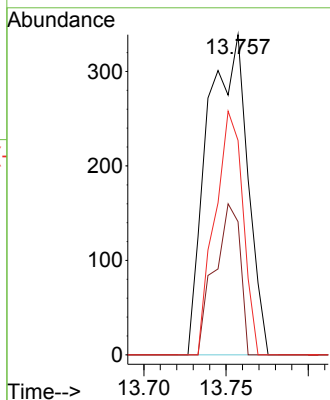
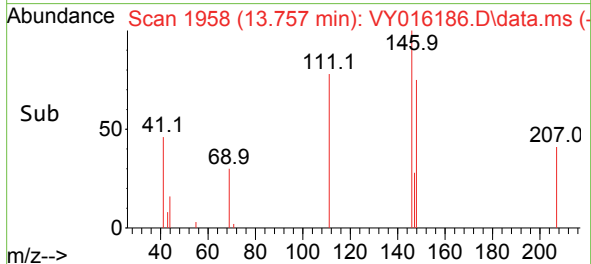


#91
1,2-Dichlorobenzene
Concen: 1.066 ug/l
RT: 13.757 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

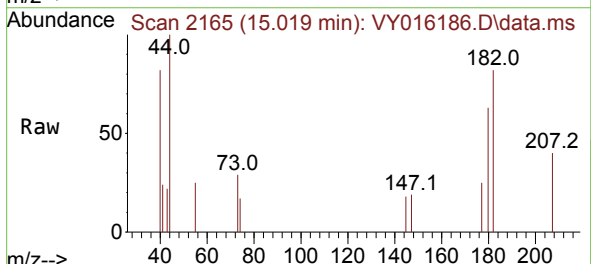
Instrument :
MSVOA_Y
ClientSampleId :



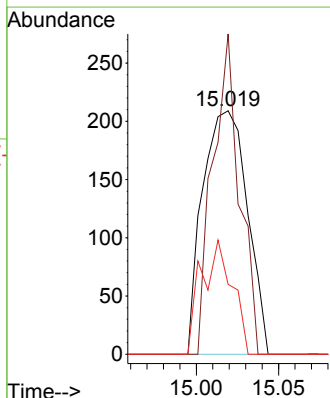
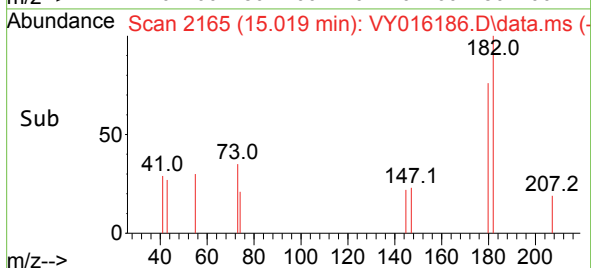
Tgt Ion:146 Resp: 576
Ion Ratio Lower Upper
146 100
111 30.2 19.7 59.0
148 53.1 32.0 96.2

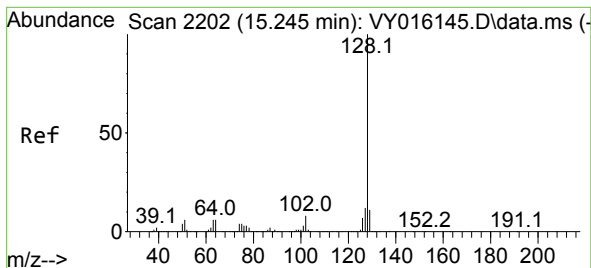


#93
1,2,4-Trichlorobenzene
Concen: 1.181 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38



Tgt Ion:180 Resp: 394
Ion Ratio Lower Upper
180 100
182 78.7 47.0 141.2
145 32.2 14.5 43.5





#95

Naphthalene

Concen: 3.741 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016186.D

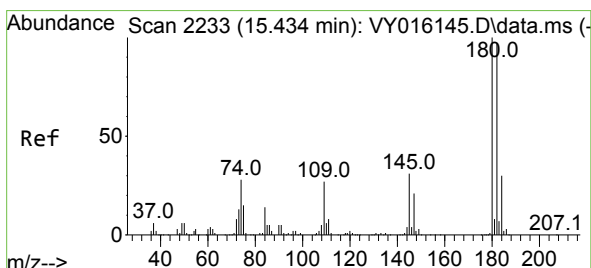
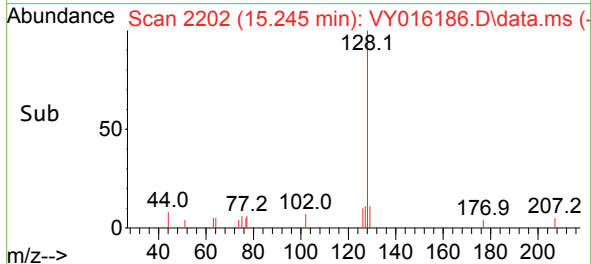
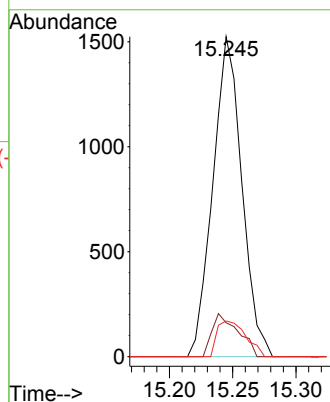
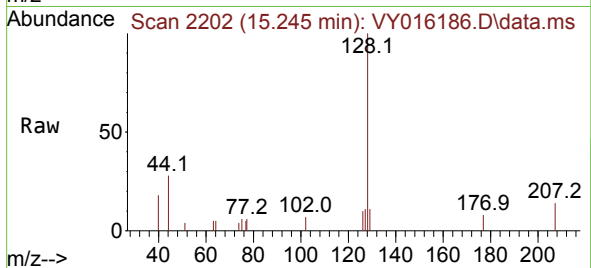
Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	2425
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.8 16.2
129	11.1	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.277 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Tgt Ion:180	Resp:	364
Ion Ratio	Lower	Upper
180	100	
182	95.9	47.3 141.8
145	20.6	15.4 46.2

