

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
 Data File : VY006492.D
 Acq On : 26 Oct 2021 19:32
 Operator : SY/MD
 Sample : M4340-04
 Misc : 5.39G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 27 05:27:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

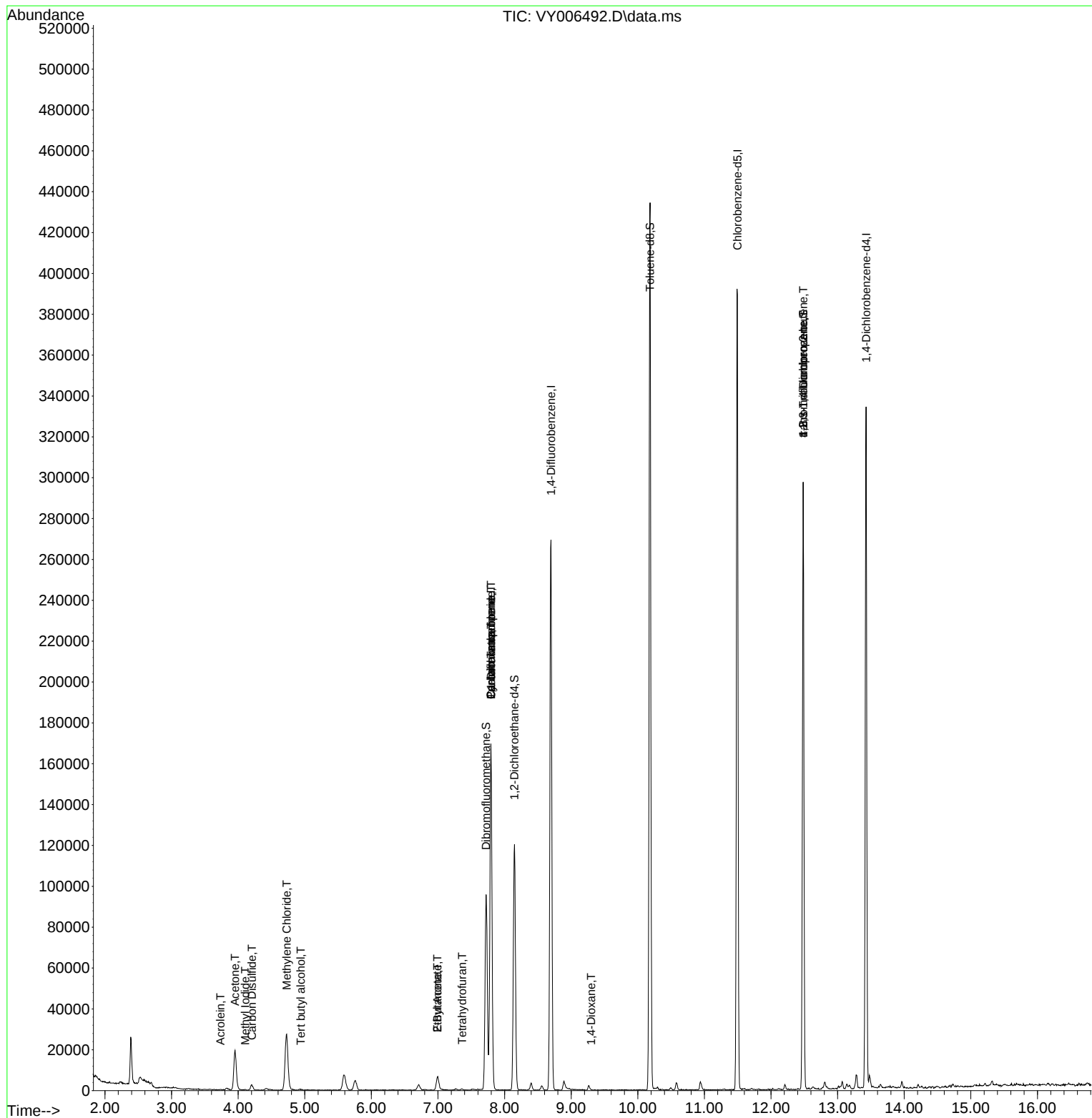
Internal Standards						
1) Pentafluorobenzene	7.795	168	123509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	214981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	199046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97984	64.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.940%	
35) Dibromofluoromethane	7.722	113	65429	54.604	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.200%	
50) Toluene-d8	10.185	98	274211	53.984	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.960%	
62) 4-Bromofluorobenzene	12.483	95	83102	48.567	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	189	5.199	ug/l #	83
11) Tert butyl alcohol	4.942	59	185	1.340	ug/l #	72
13) Acrolein	3.735	56	147	1.540	ug/l #	14
16) Acetone	3.954	43	34447	78.711	ug/l	99
17) Carbon Disulfide	4.204	76	4535	1.240	ug/l #	94
20) Methylene Chloride	4.728	84	18596	10.506	ug/l	90
25) 2-Butanone	6.990	43	11563	20.168	ug/l	93
29) Tetrahydrofuran	7.362	42	487	1.384	ug/l #	46
31) Cyclohexane	7.795	56	3044	1.237	ug/l #	3
36) 1,1-Dichloropropene	7.795	75	10453	4.921	ug/l #	49
37) Ethyl Acetate	6.990	43	11563	8.601	ug/l #	72
38) Carbon Tetrachloride	7.795	117	12881	5.497	ug/l #	15
49) 1,4-Dioxane	9.301	88	19	1.699	ug/l #	21
76) 1,2,3-Trichloropropane	12.483	75	48497	59.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48497	121.410	ug/l #	7

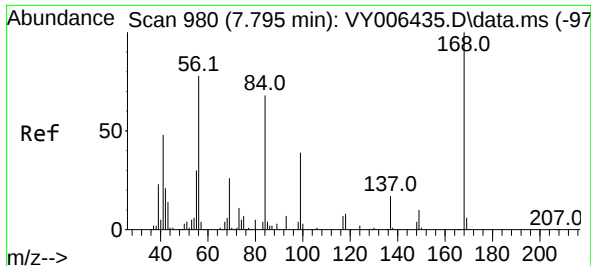
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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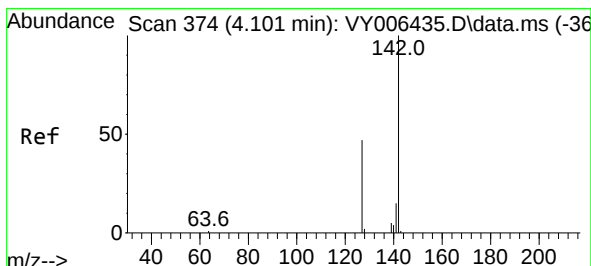
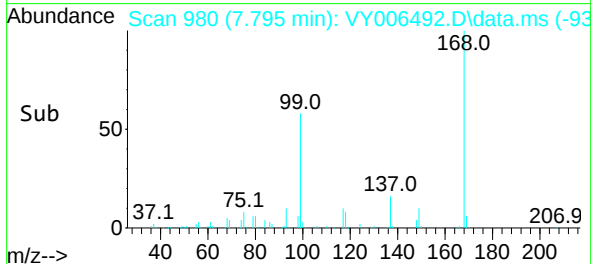
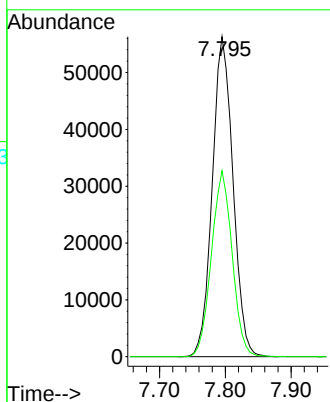
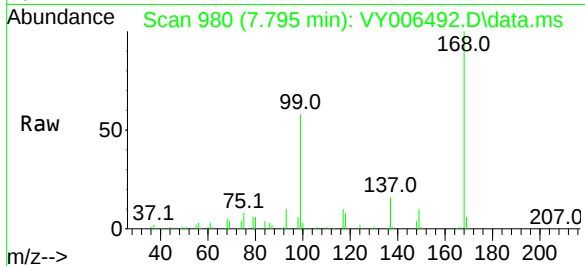




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

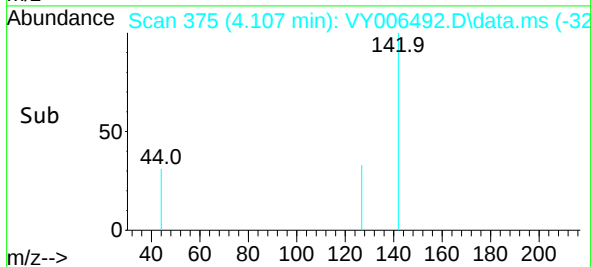
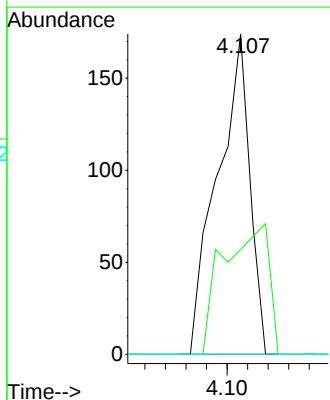
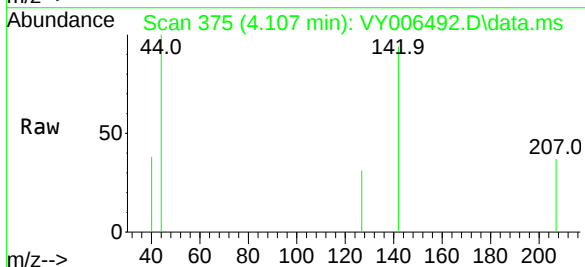
Instrument :
MSVOA_Y
ClientSampleId :

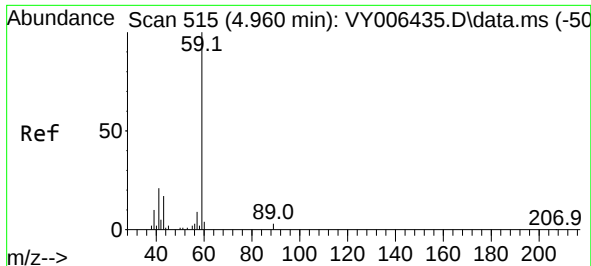
Tgt Ion:168 Resp: 123509
Ion Ratio Lower Upper
168 100
99 58.1 44.8 67.2



#10
Methyl Iodide
Concen: 5.199 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
127 57.7 40.1 60.1
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 1.340 ug/l

RT: 4.942 min Scan# 51

Delta R.T. -0.018 min

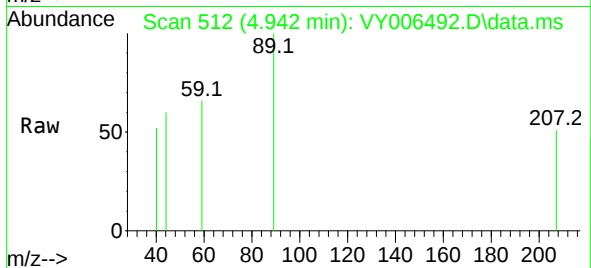
Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

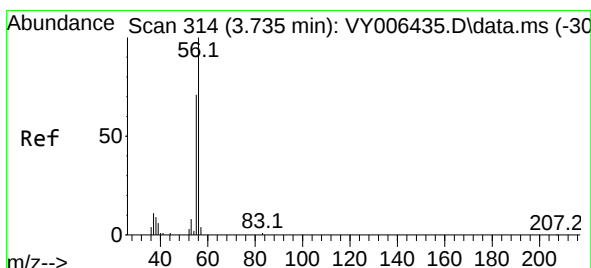
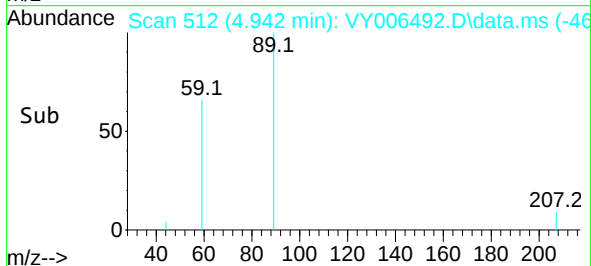
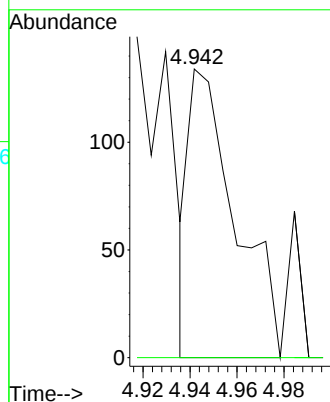


Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 1.540 ug/l

RT: 3.735 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY006492.D

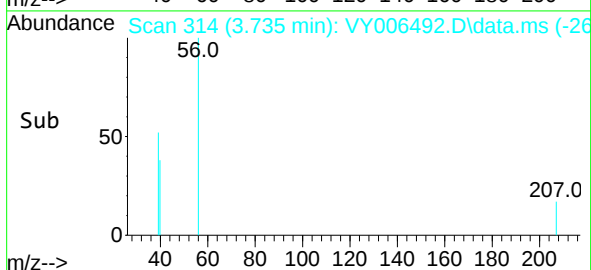
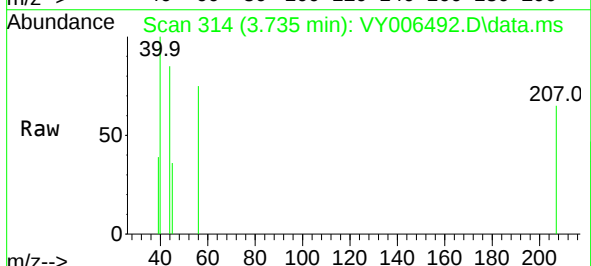
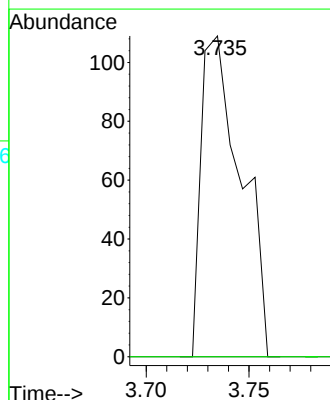
Acq: 26 Oct 2021 19:32

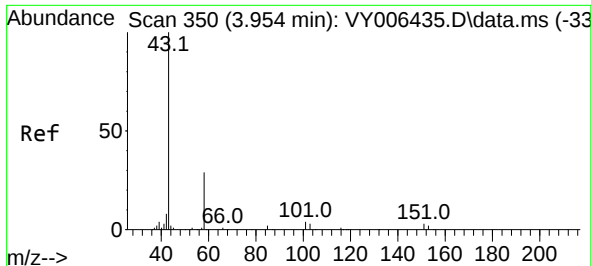
Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

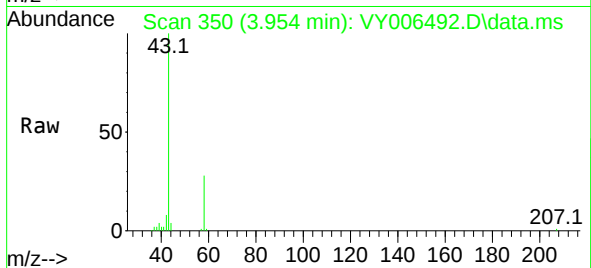
55 0.0 57.1 85.7#



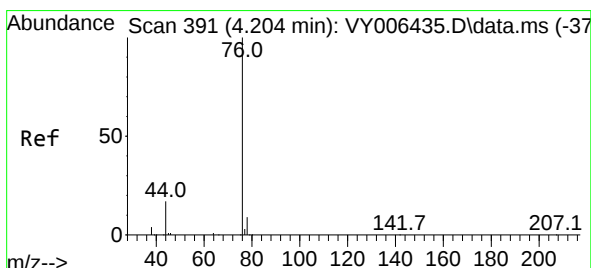
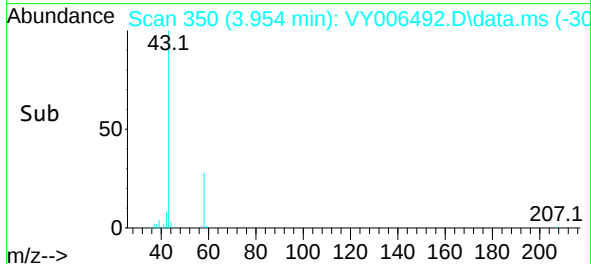
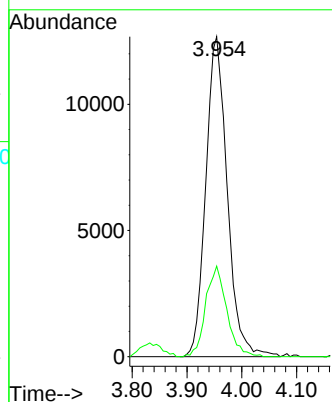


#16
Acetone
Concen: 78.711 ug/l
RT: 3.954 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Instrument :
MSVOA_Y
ClientSampleId :

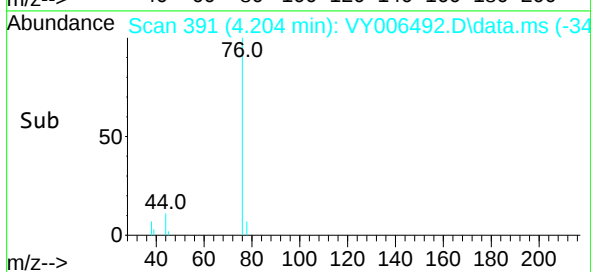
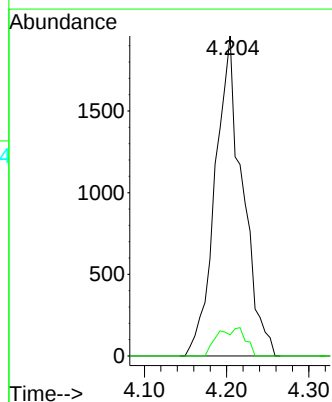
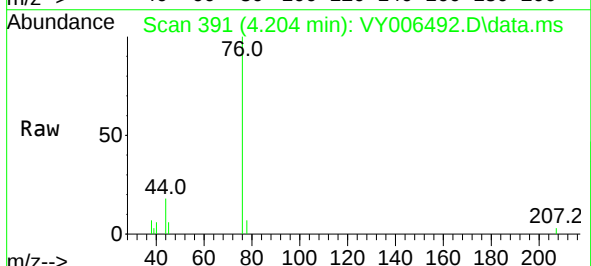


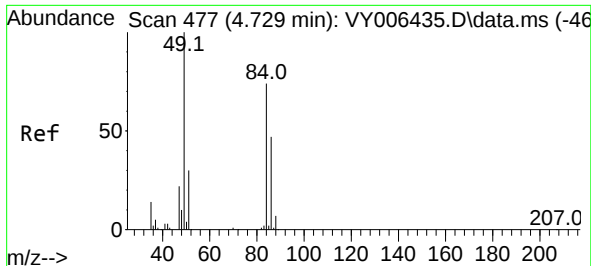
Tgt Ion: 43 Resp: 34447
Ion Ratio Lower Upper
43 100
58 28.3 22.9 34.3



#17
Carbon Disulfide
Concen: 1.240 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

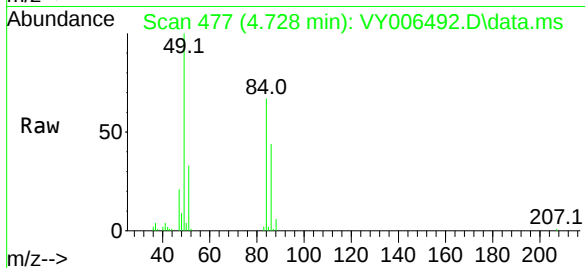
Tgt Ion: 76 Resp: 4535
Ion Ratio Lower Upper
76 100
78 6.6 7.1 10.7#





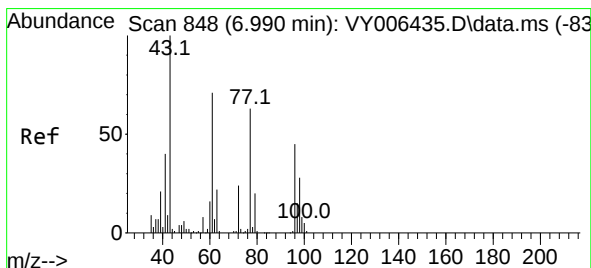
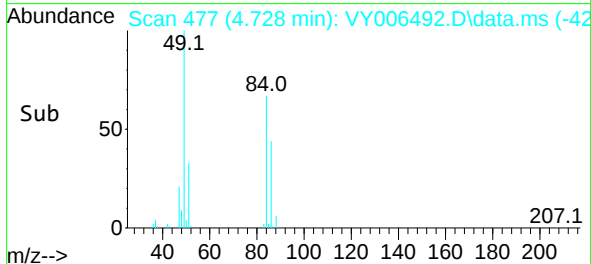
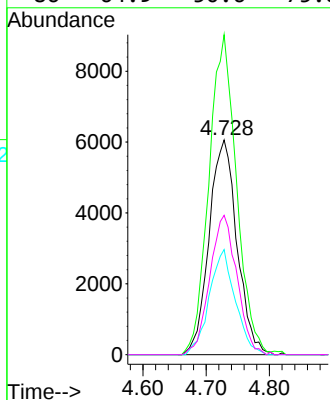
#20
Methylene Chloride
Concen: 10.506 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 18596

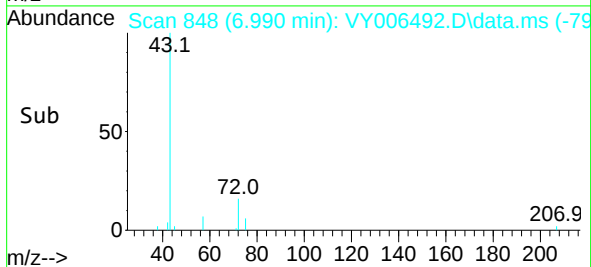
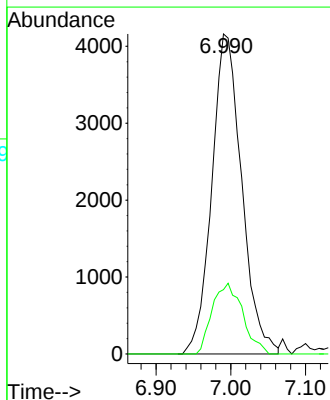
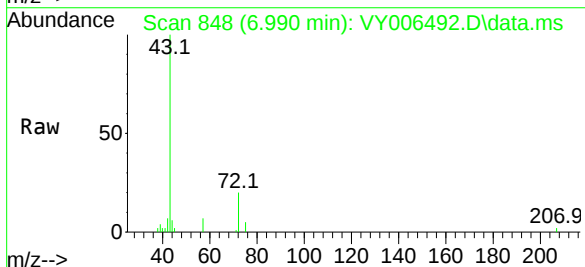
Ion	Ratio	Lower	Upper
84	100		
49	149.0	107.8	161.8
51	49.0	32.8	49.2
86	64.9	50.6	75.8

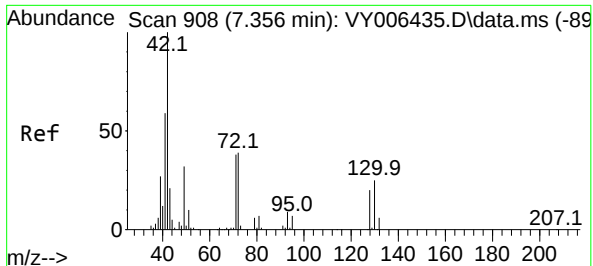


#25
2-Butanone
Concen: 20.168 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Tgt Ion: 43 Resp: 11563

Ion	Ratio	Lower	Upper
43	100		
72	20.1	18.9	28.3





#29

Tetrahydrofuran

Concen: 1.384 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.006 min

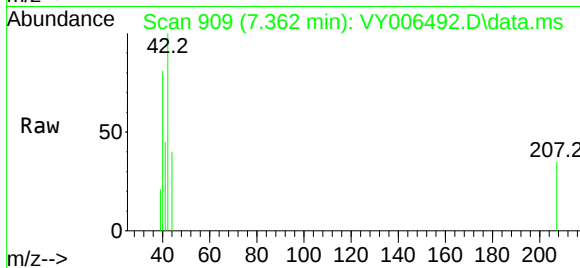
Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

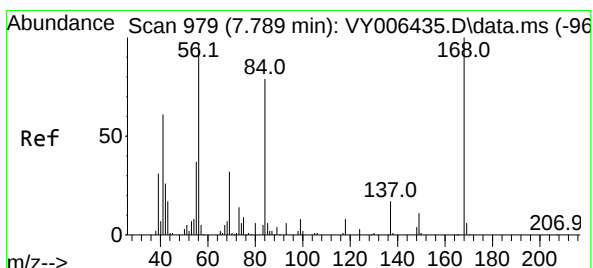
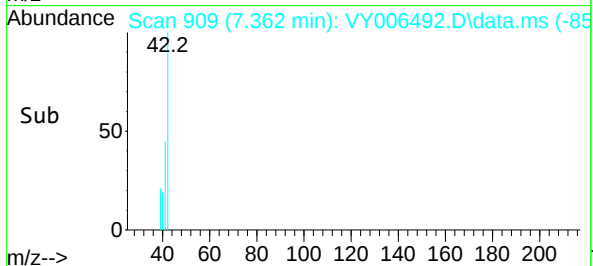
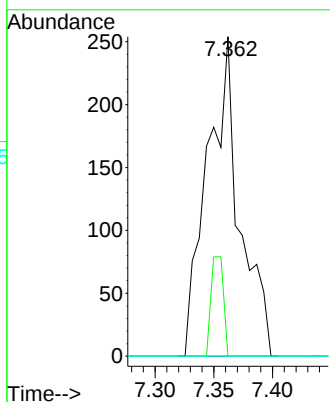
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	487
Ion	Ratio	Lower	Upper
42	100		
72	11.9	32.0	48.0#
71	0.0	30.3	45.5#



#31

Cyclohexane

Concen: 1.237 ug/l

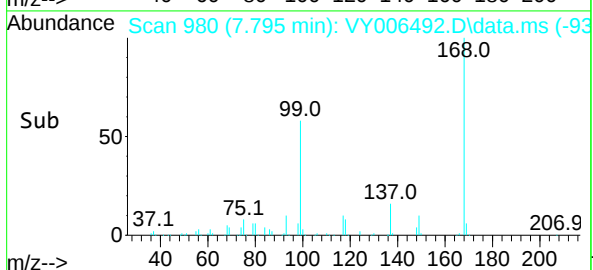
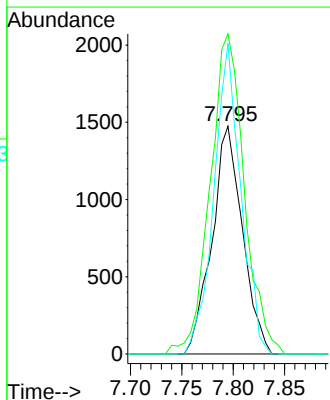
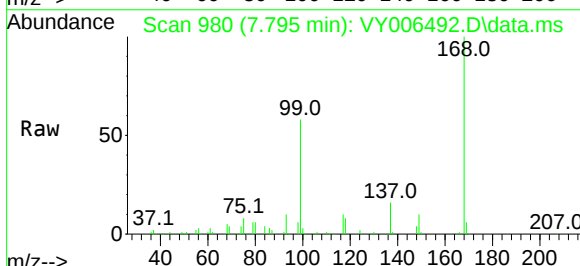
RT: 7.795 min Scan# 980

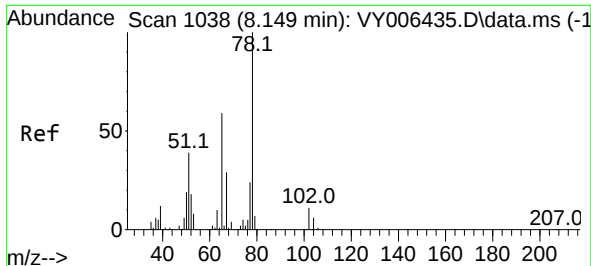
Delta R.T. 0.006 min

Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

Tgt Ion:	56	Resp:	3044
Ion	Ratio	Lower	Upper
56	100		
69	137.1	26.6	40.0#
84	136.5	65.0	97.4#





#33

1,2-Dichloroethane-d4

Concen: 64.469 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

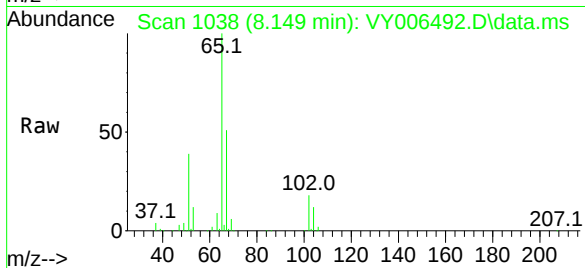
Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :

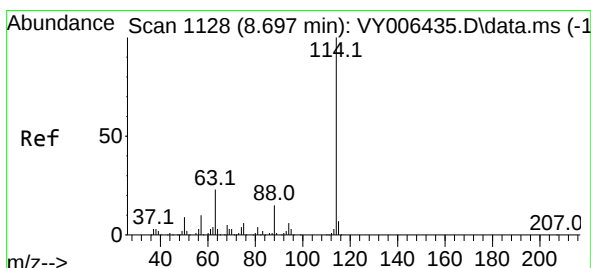
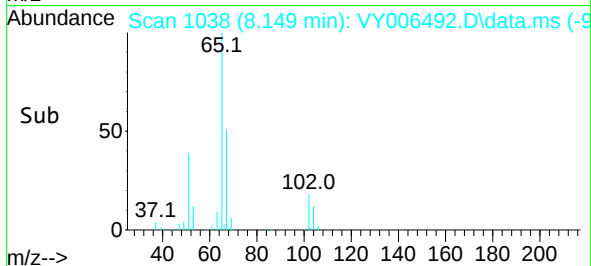
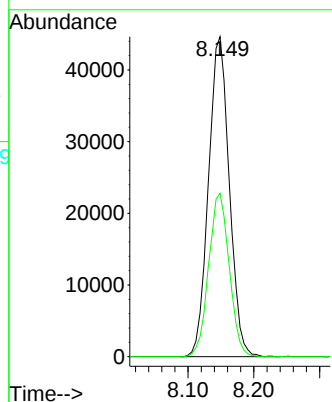


Tgt Ion: 65 Resp: 97984

Ion Ratio Lower Upper

65 100

67 50.6 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

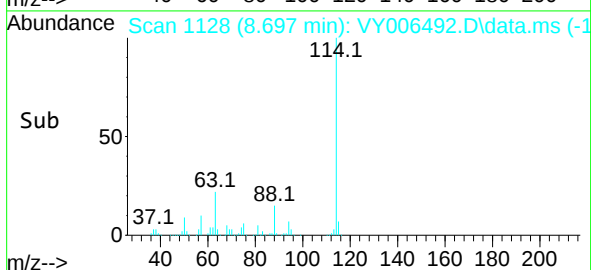
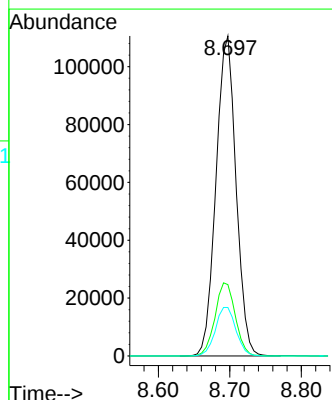
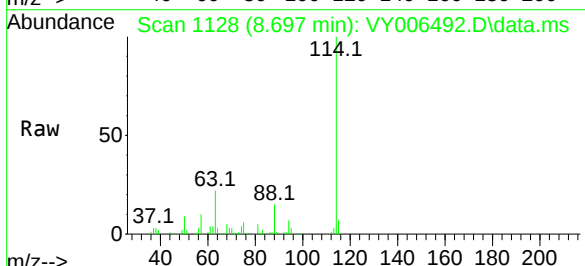
Tgt Ion: 114 Resp: 214981

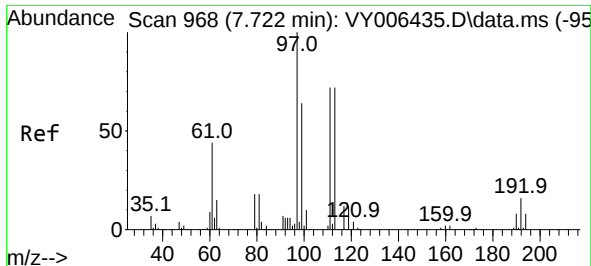
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

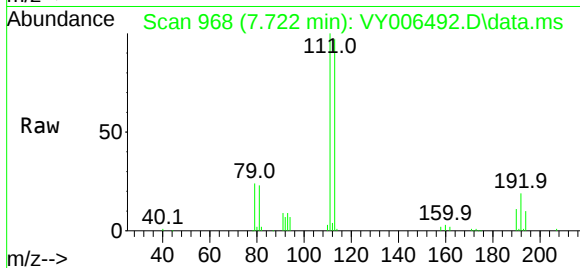
88 15.2 0.0 30.6



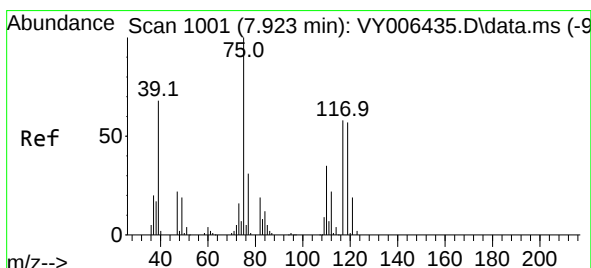
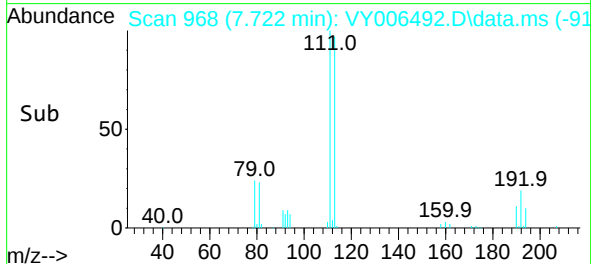
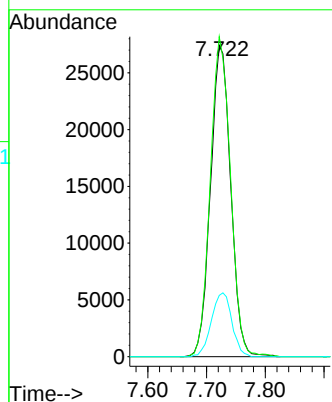


#35
Dibromofluoromethane
Concen: 54.604 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Instrument :
MSVOA_Y
ClientSampleId :

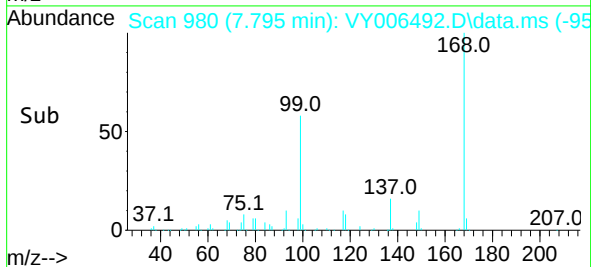
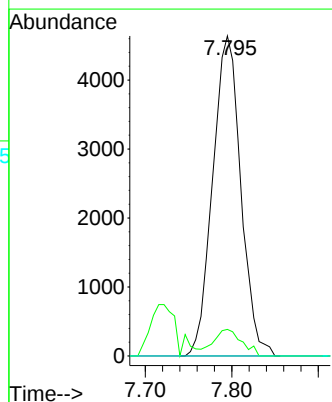
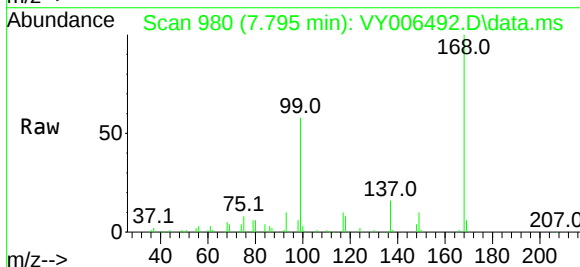


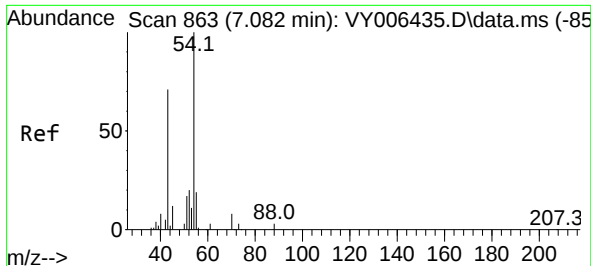
Tgt Ion:113 Resp: 65429
Ion Ratio Lower Upper
113 100
111 102.8 82.3 123.5
192 20.8 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Tgt Ion: 75 Resp: 10453
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 8.601 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.092 min

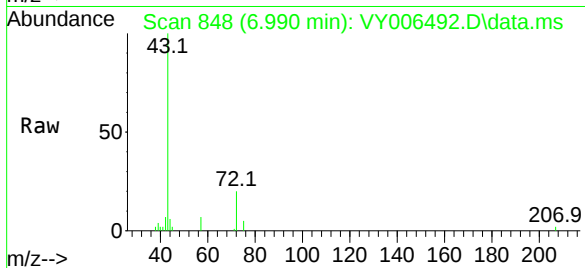
Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

Instrument :

MSVOA_Y

ClientSampleId :



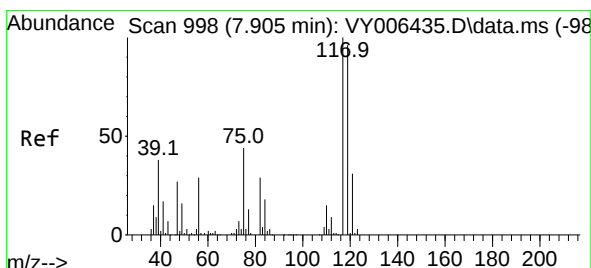
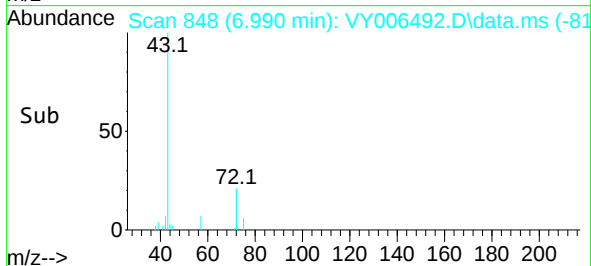
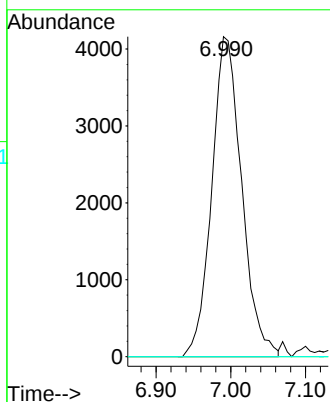
Tgt Ion: 43 Resp: 11563

Ion Ratio Lower Upper

43 100

61 0.0 9.4 14.2#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY006492.D

Acq: 26 Oct 2021 19:32

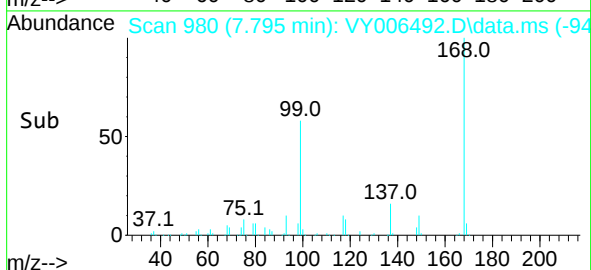
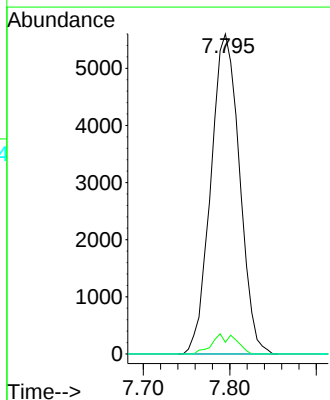
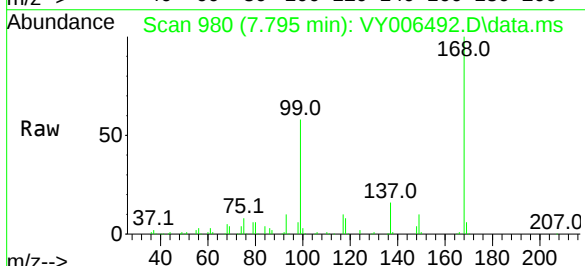
Tgt Ion: 117 Resp: 12881

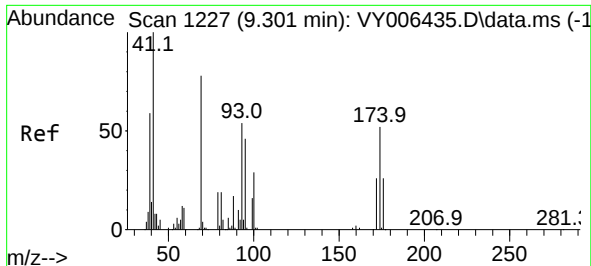
Ion Ratio Lower Upper

117 100

119 3.7 76.6 115.0#

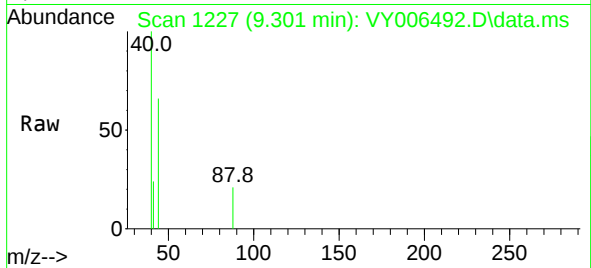
121 0.0 24.7 37.1#



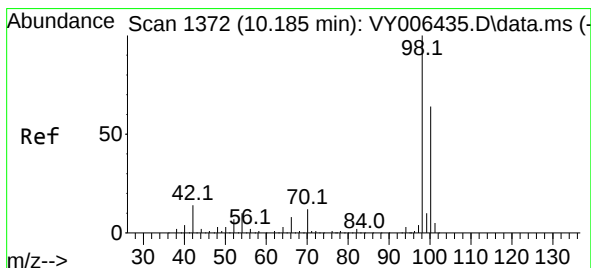
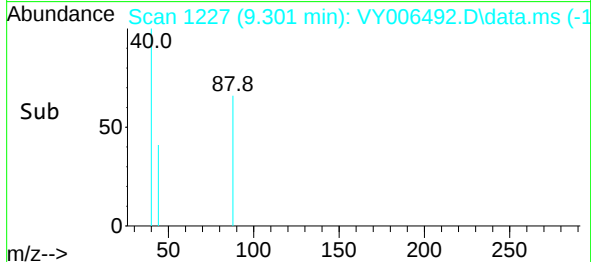
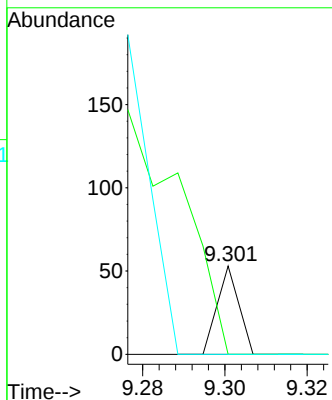


#49
1,4-Dioxane
Concen: 1.699 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

Instrument :
MSVOA_Y
ClientSampleId :

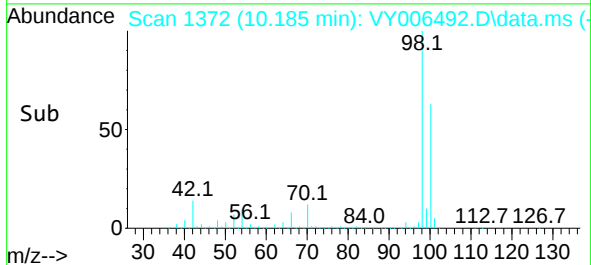
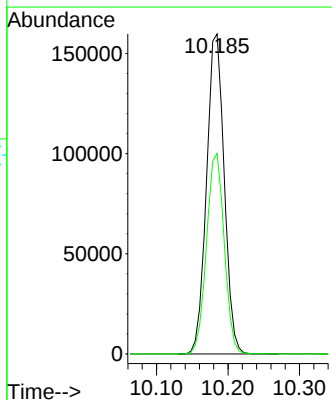
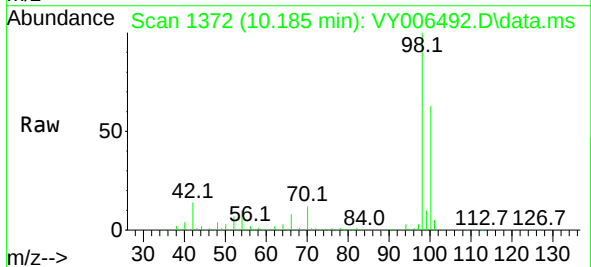


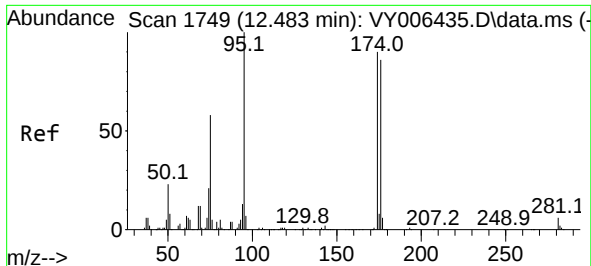
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 34.1 51.1#
58 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 53.984 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

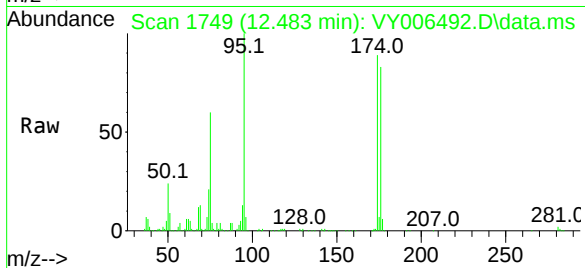
Tgt Ion: 98 Resp: 274211
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



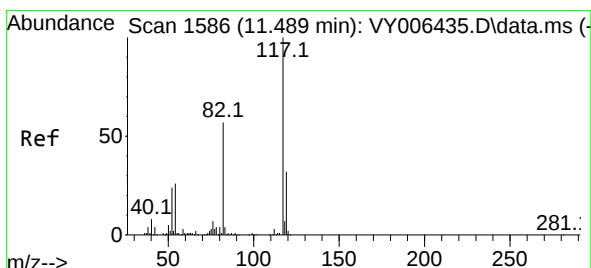
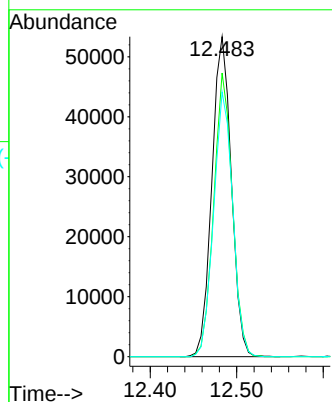
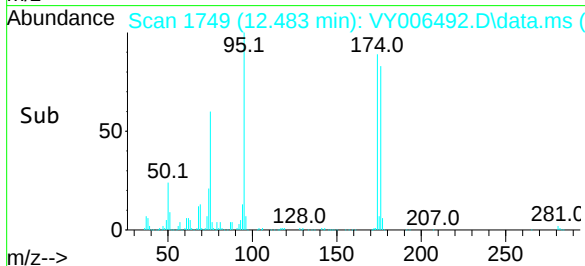


#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32

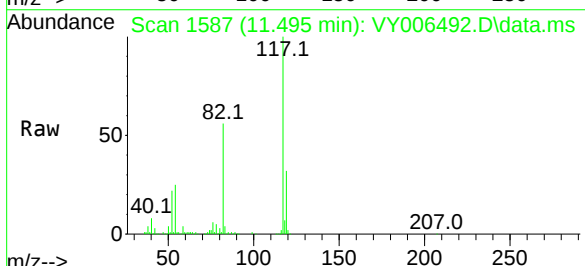
Instrument :
MSVOA_Y
ClientSampleId :



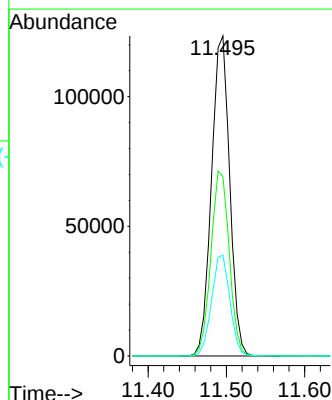
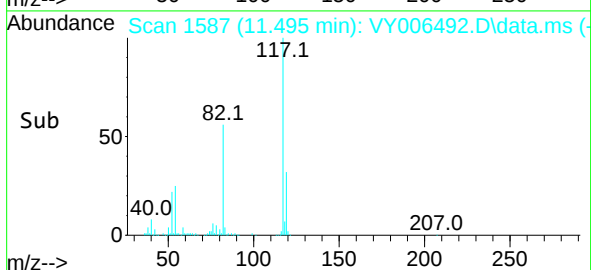
Tgt Ion: 95 Resp: 83102
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 81.5 0.0 169.4

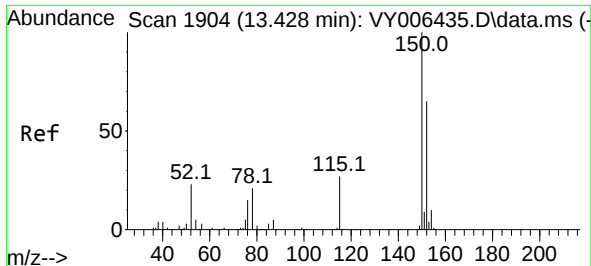


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006492.D
Acq: 26 Oct 2021 19:32



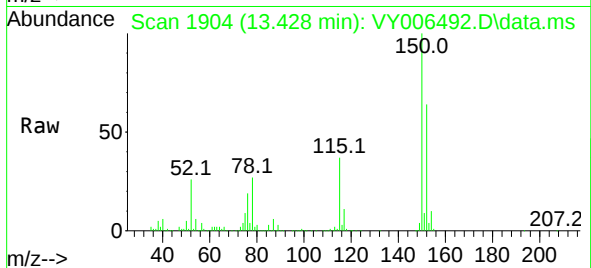
Tgt Ion: 117 Resp: 199046
Ion Ratio Lower Upper
117 100
82 56.1 45.7 68.5
119 31.5 25.5 38.3



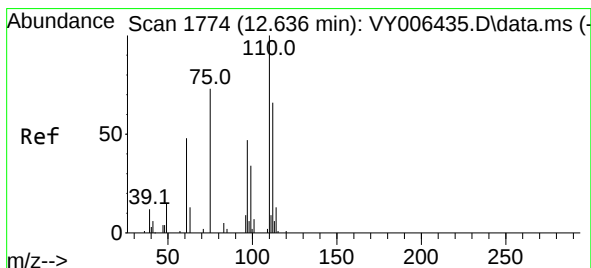
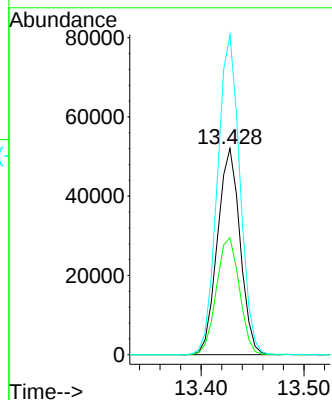
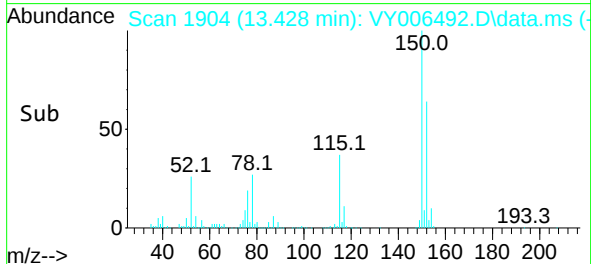


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006492.D
 Acq: 26 Oct 2021 19:32

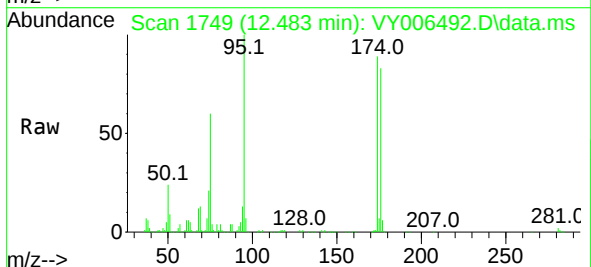
Instrument :
 MSVOA_Y
 ClientSampleId :



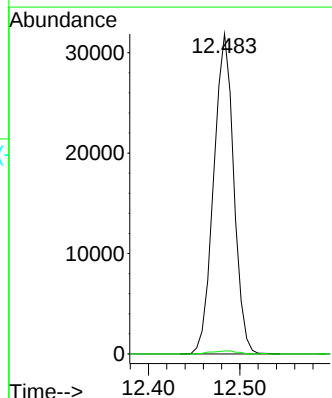
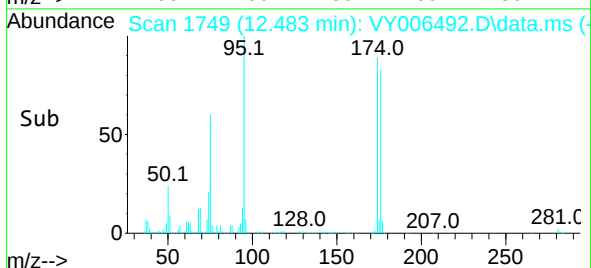
Tgt Ion:152 Resp: 79580
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.5 85.5
 150 153.9 0.0 348.2

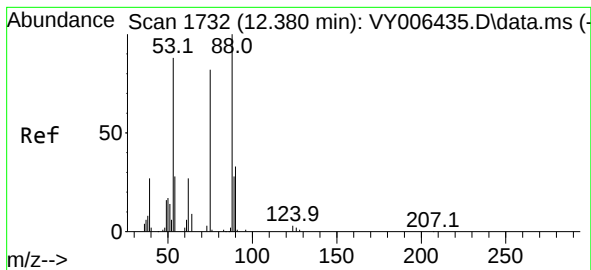


#76
 1,2,3-Trichloropropane
 Concen: 59.139 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006492.D
 Acq: 26 Oct 2021 19:32



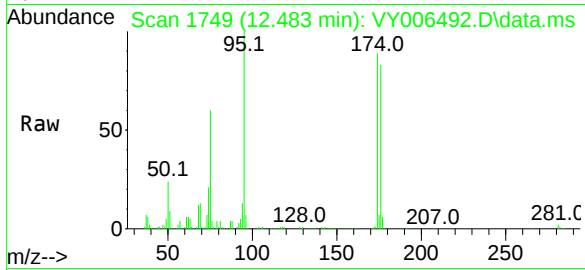
Tgt Ion: 75 Resp: 48497
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.410 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY006492.D
 Acq: 26 Oct 2021 19:32

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 48497
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.8 128.6#
 89 0.0 39.3 58.9#

