

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111921\
 Data File : VY006825.D
 Acq On : 19 Nov 2021 13:11
 Operator : SY/MD
 Sample : M4758-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:19:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

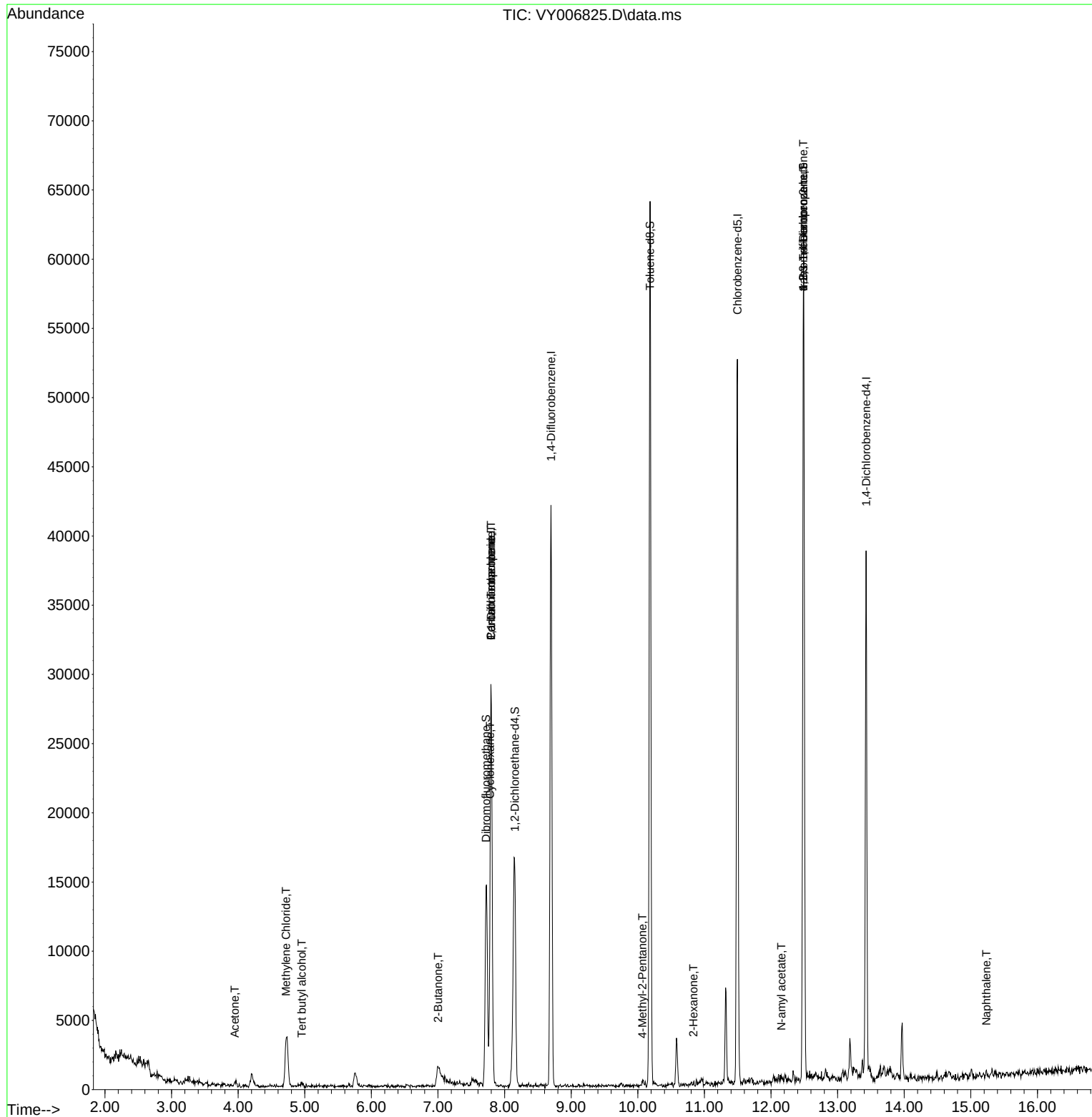
Internal Standards						
1) Pentafluorobenzene	7.795	168	21723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	32180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	25897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	12908	45.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.680%			
35) Dibromofluoromethane	7.721	113	9894	50.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.184	98	40018	48.925	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.483	95	10385	37.661	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.320%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	309	7.217	ug/l #	72
16) Acetone	3.948	43	758	8.763	ug/l #	46
20) Methylene Chloride	4.716	84	2669	7.423	ug/l #	87
25) 2-Butanone	7.002	43	299	13.768	ug/l #	52
31) Cyclohexane	7.782	56	703	1.405	ug/l #	45
36) 1,1-Dichloropropene	7.795	75	2198	6.284	ug/l #	46
38) Carbon Tetrachloride	7.795	117	2135	5.968	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	469	2.030	ug/l #	65
59) 2-Hexanone	10.837	43	116	24.435	ug/l #	51
74) N-amyl acetate	12.154	43	24	3.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	5875	62.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5875	122.930	ug/l #	7
95) Naphthalene	15.232	128	316	1.007	ug/l #	68

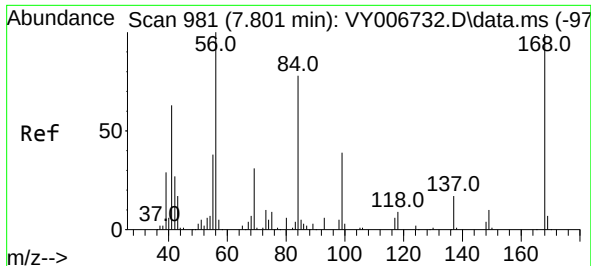
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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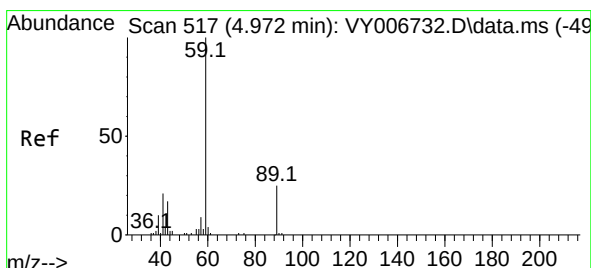
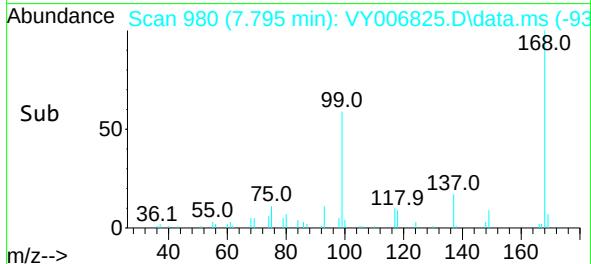
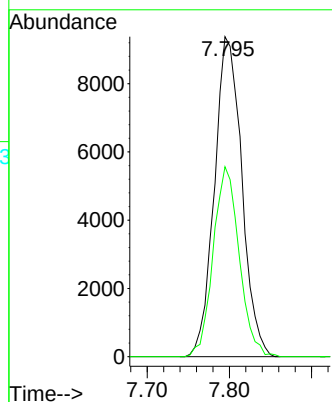
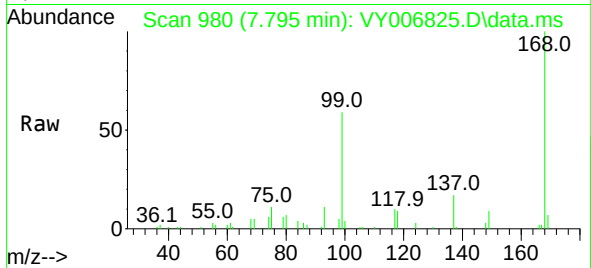




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

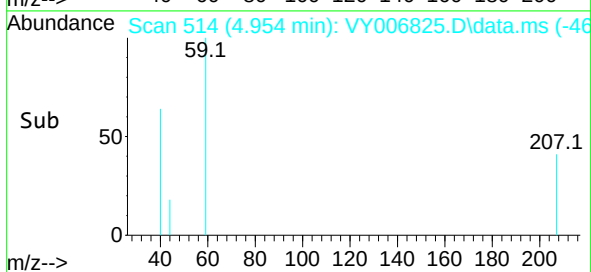
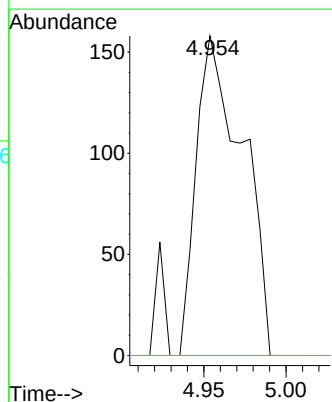
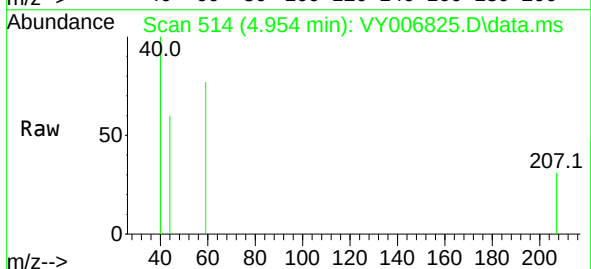
Instrument :
MSVOA_Y
ClientSampleId :

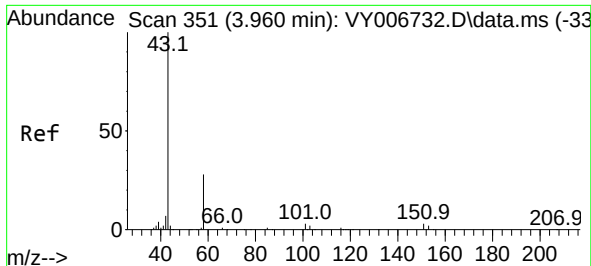
Tgt Ion:168 Resp: 21723
Ion Ratio Lower Upper
168 100
99 59.4 44.8 67.2



#11
Tert butyl alcohol
Concen: 7.217 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

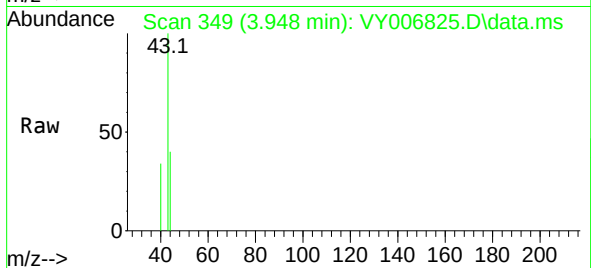
Tgt Ion: 59 Resp: 309
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



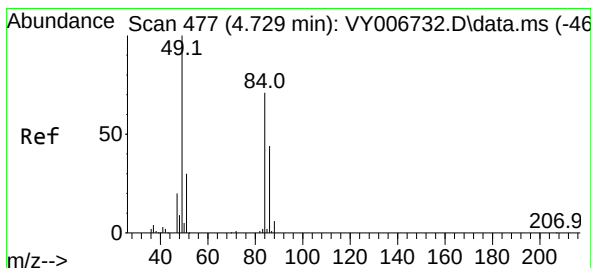
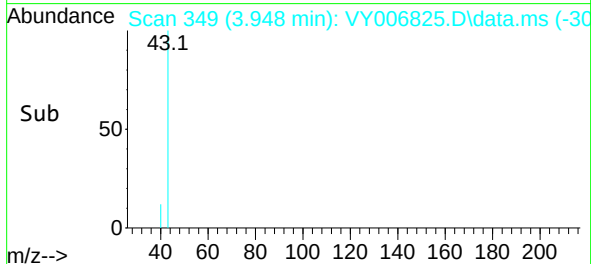
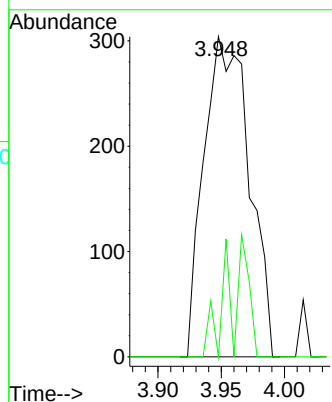


#16
Acetone
Concen: 8.763 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.013 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Instrument :
MSVOA_Y
ClientSampleId :

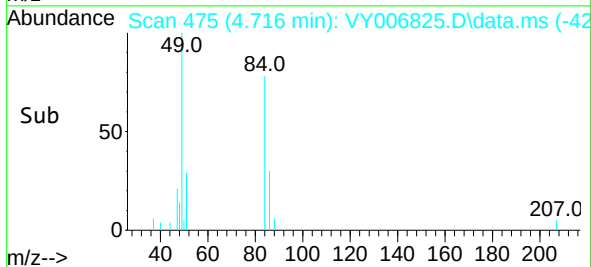
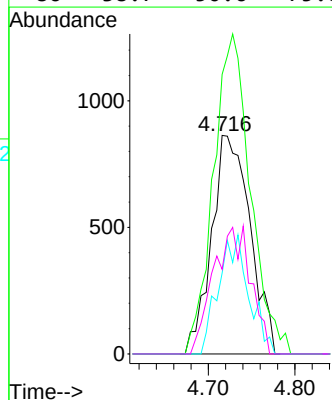
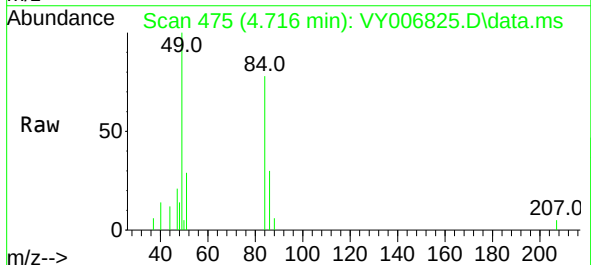


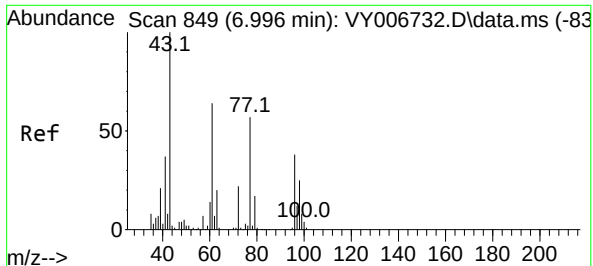
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 7.423 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Tgt Ion: 84 Resp: 2669
Ion Ratio Lower Upper
84 100
49 127.9 107.8 161.8
51 37.0 32.8 49.2
86 38.7 50.6 75.8#





#25

2-Butanone

Concen: 13.768 ug/l

RT: 7.002 min Scan# 849

Delta R.T. 0.006 min

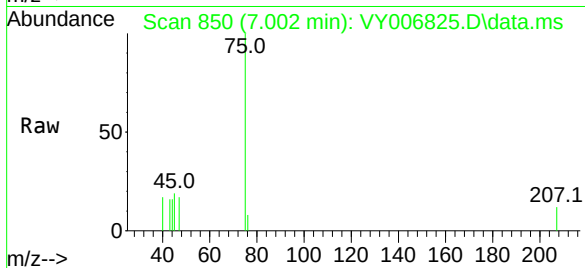
Lab File: VY006825.D

Acq: 19 Nov 2021 13:11

Instrument :

MSVOA_Y

ClientSampleId :

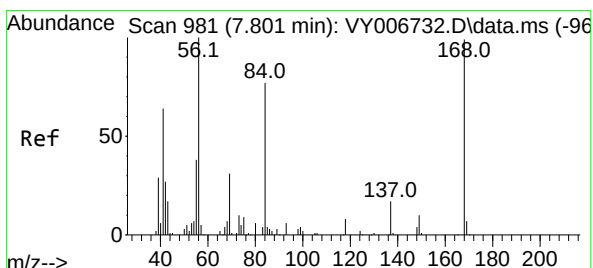
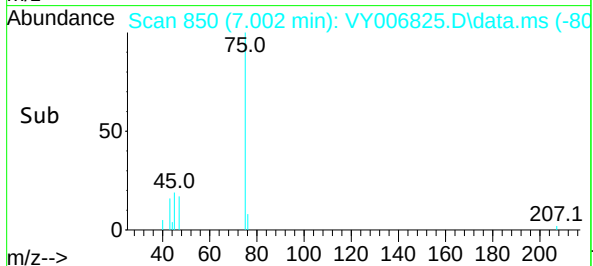
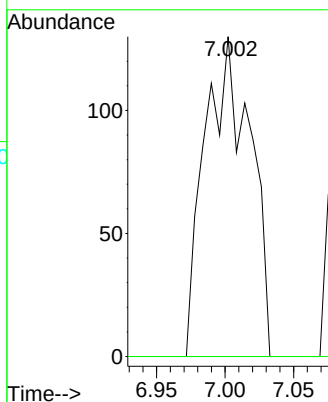


Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#31

Cyclohexane

Concen: 1.405 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.019 min

Lab File: VY006825.D

Acq: 19 Nov 2021 13:11

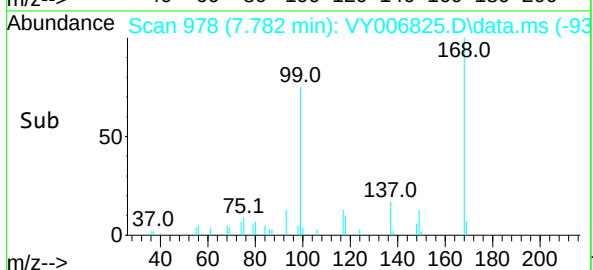
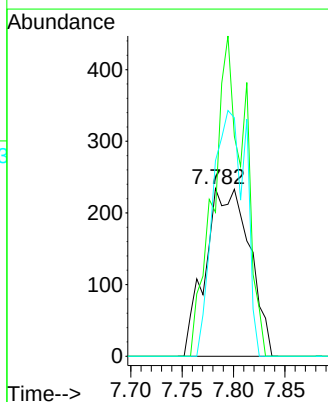
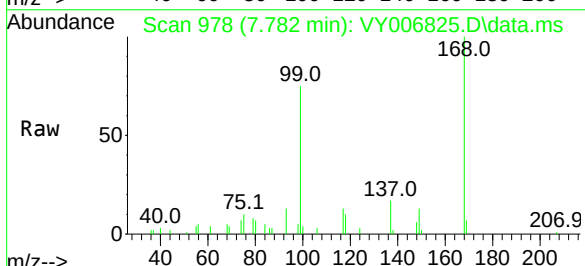
Tgt Ion: 56 Resp: 703

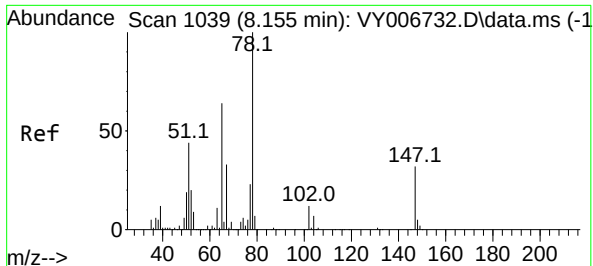
Ion Ratio Lower Upper

56 100

69 85.9 26.6 40.0#

84 116.7 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 45.338 ug/l

RT: 8.154 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY006825.D

Acq: 19 Nov 2021 13:11

Instrument :

MSVOA_Y

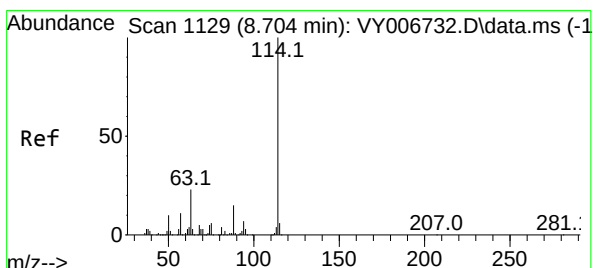
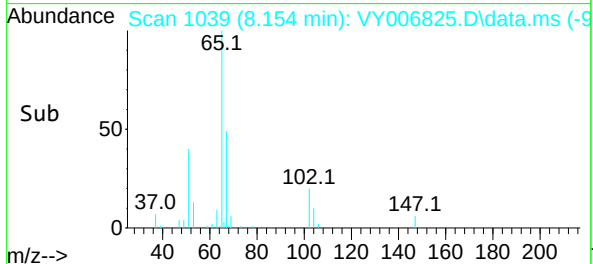
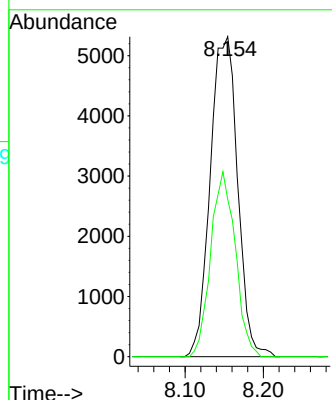
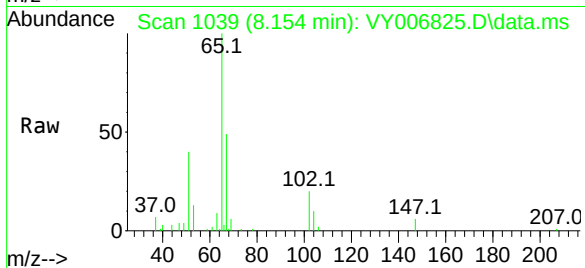
ClientSampleId :

Tgt Ion: 65 Resp: 12908

Ion Ratio Lower Upper

65 100

67 51.9 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.007 min

Lab File: VY006825.D

Acq: 19 Nov 2021 13:11

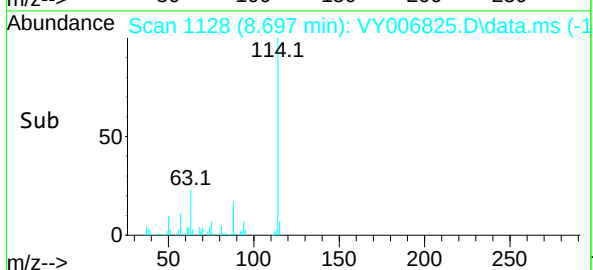
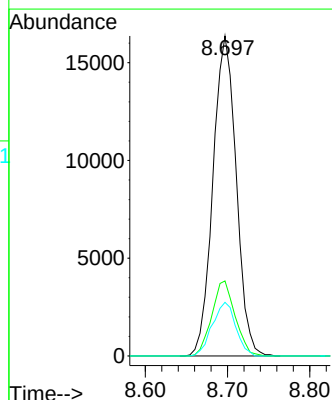
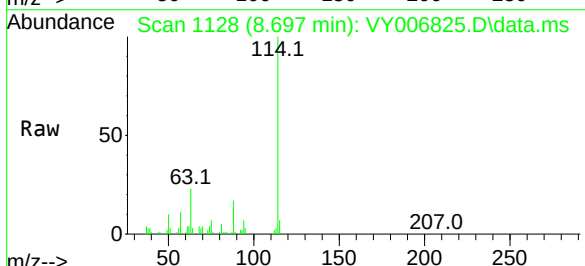
Tgt Ion: 114 Resp: 32180

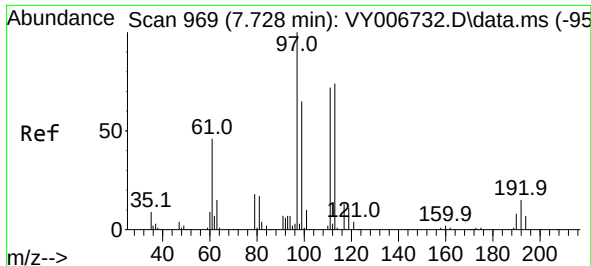
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

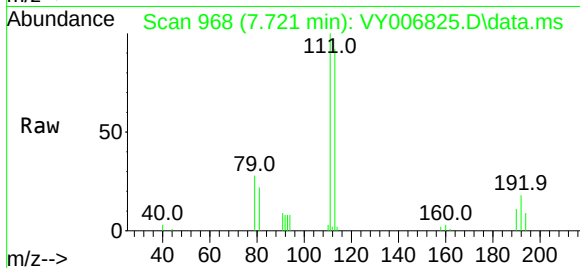
88 16.7 0.0 30.6



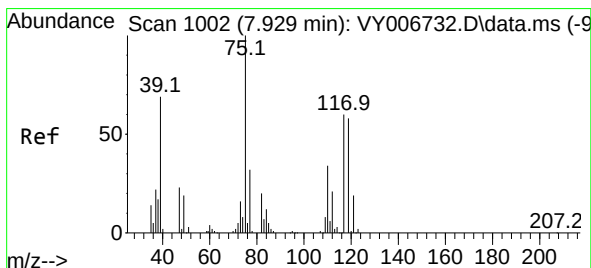
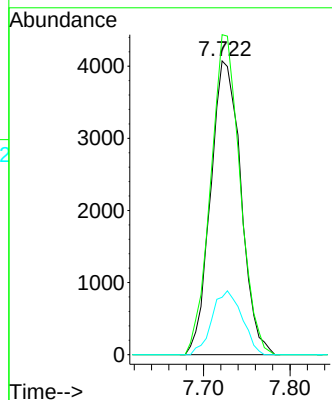
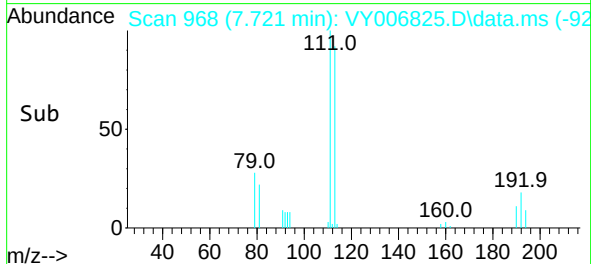


#35
Dibromofluoromethane
Concen: 50.055 ug/l
RT: 7.721 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Instrument :
MSVOA_Y
ClientSampleId :

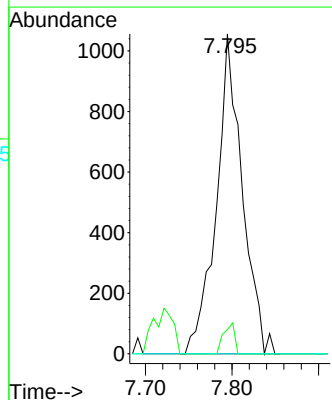
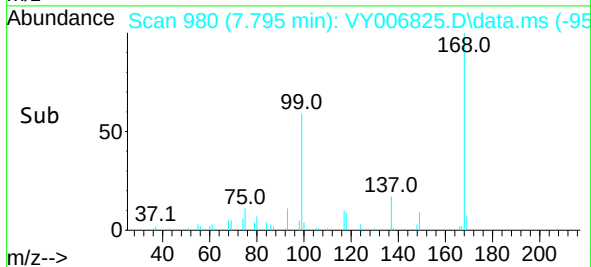
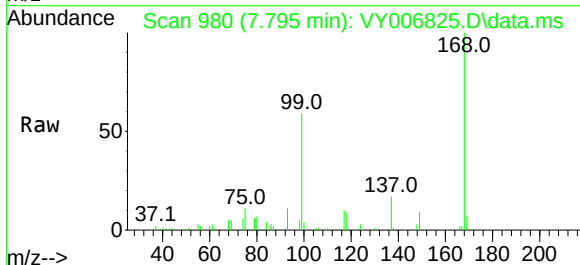


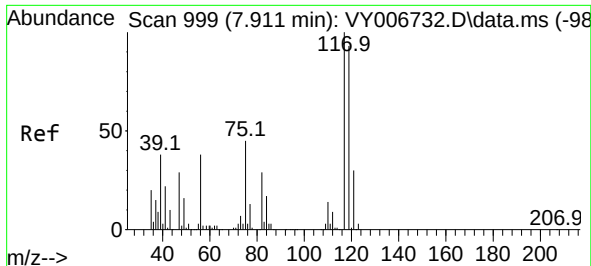
Tgt Ion:113 Resp: 9894
Ion Ratio Lower Upper
113 100
111 105.6 82.3 123.5
192 21.5 17.4 26.2



#36
1,1-Dichloropropene
Concen: 6.284 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.135 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

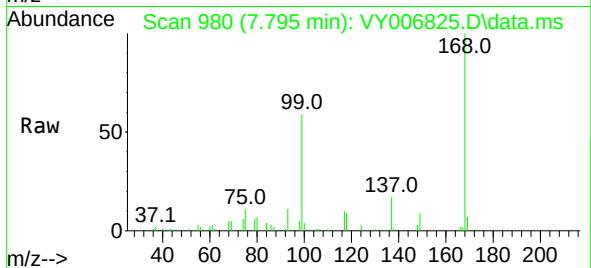
Tgt Ion: 75 Resp: 2198
Ion Ratio Lower Upper
75 100
110 4.1 17.1 51.3#
77 0.0 24.9 37.3#



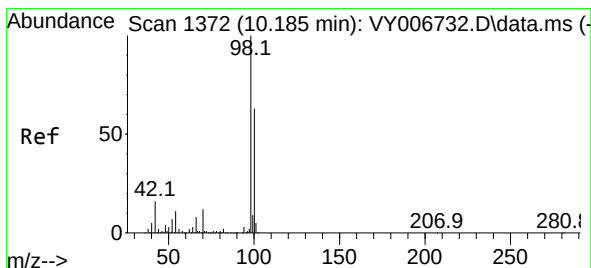
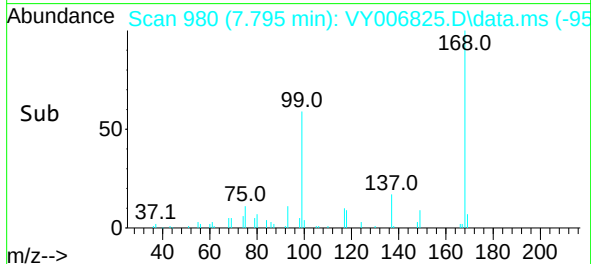
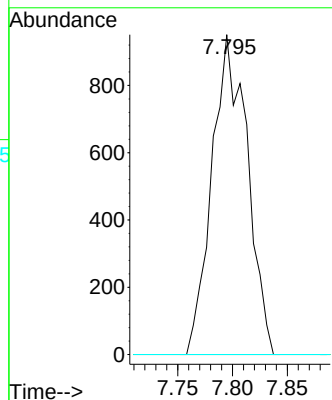


#38
Carbon Tetrachloride
Concen: 5.968 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Instrument :
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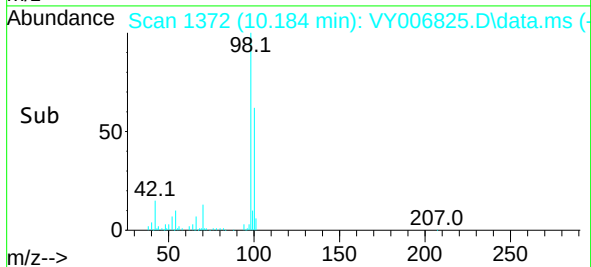
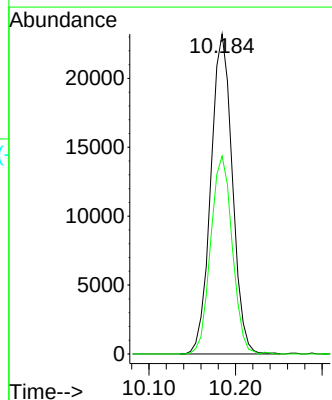
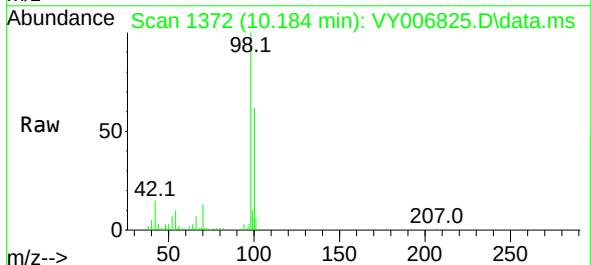


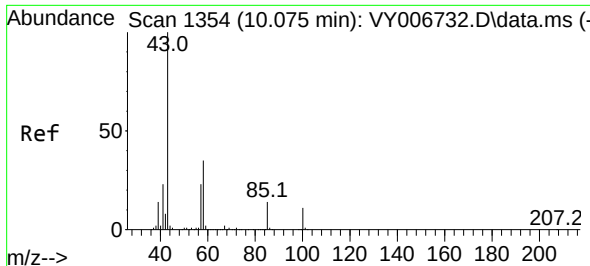
Tgt Ion:117 Resp: 2135
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.925 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

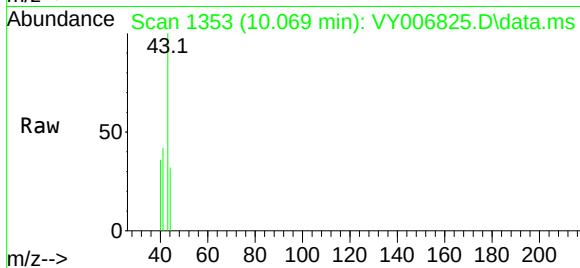
Tgt Ion: 98 Resp: 40018
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3



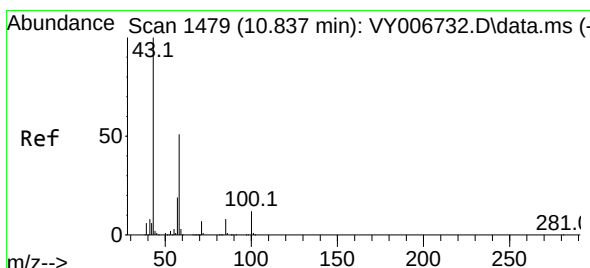
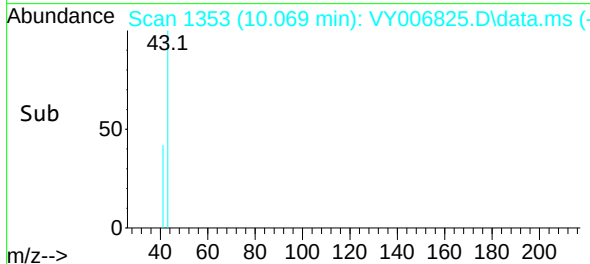
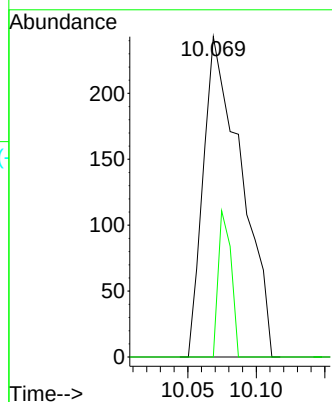


#51
4-Methyl-2-Pentanone
Concen: 2.030 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.007 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Instrument :
MSVOA_Y
ClientSampleId :

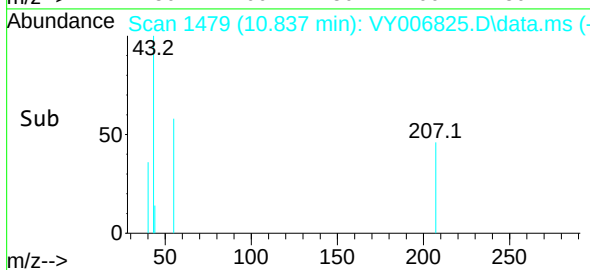
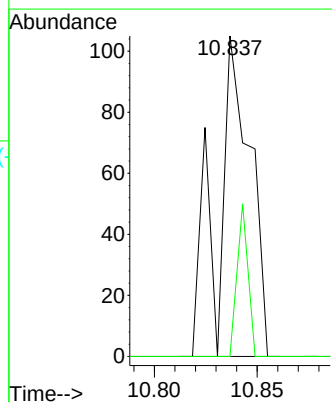
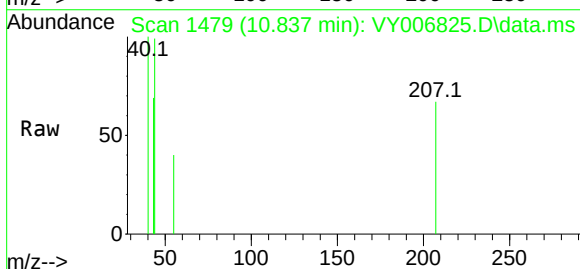


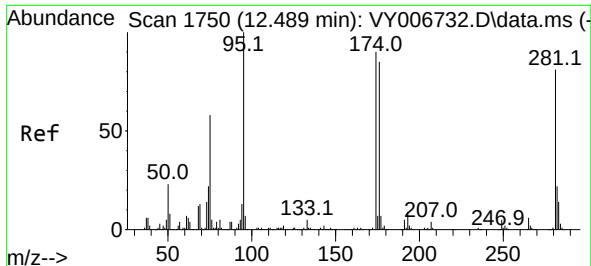
Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 15.1 28.7 43.1#



#59
2-Hexanone
Concen: 24.435 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

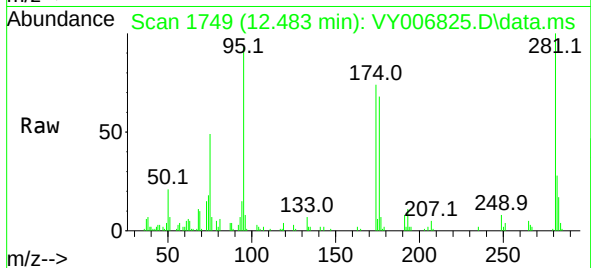
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 15.5 24.6 73.6#



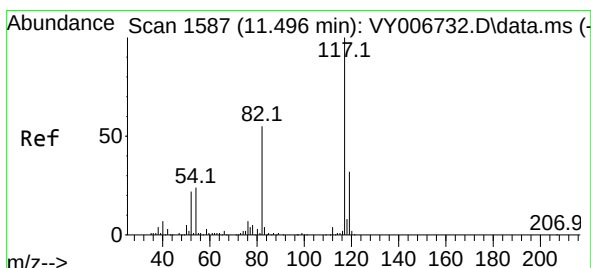
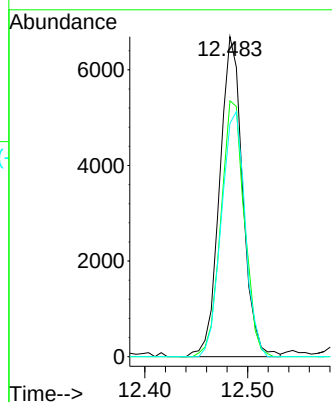
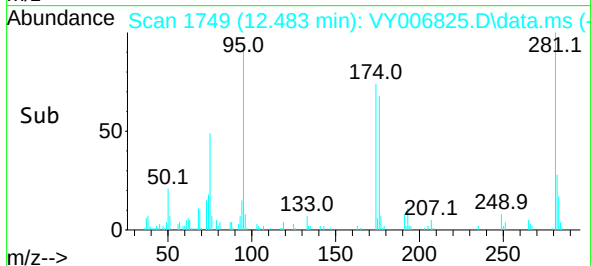


#62
4-Bromofluorobenzene
Concen: 37.661 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.007 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

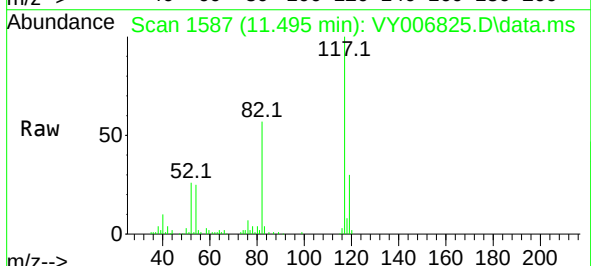
Instrument :
MSVOA_Y
ClientSampleId :



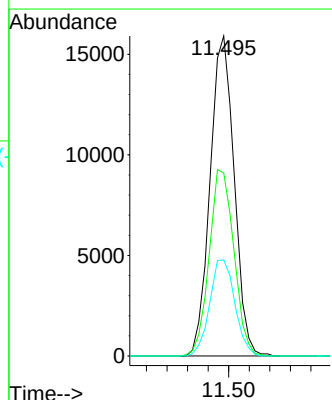
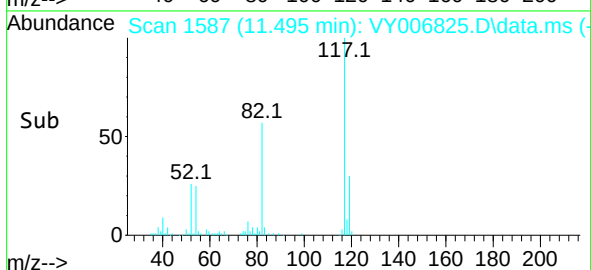
Tgt Ion: 95 Resp: 10385
Ion Ratio Lower Upper
95 100
174 81.5 0.0 177.0
176 79.0 0.0 169.4

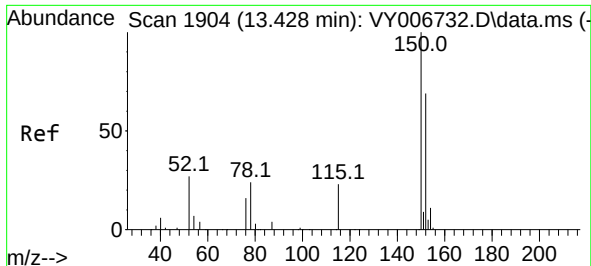


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11



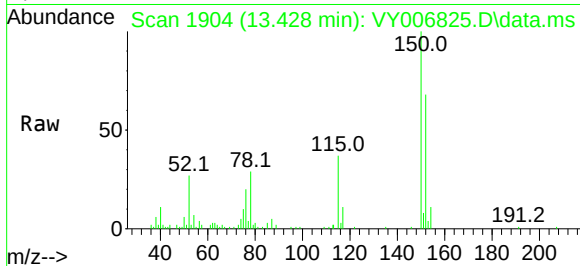
Tgt Ion: 117 Resp: 25897
Ion Ratio Lower Upper
117 100
82 57.2 45.7 68.5
119 30.0 25.5 38.3



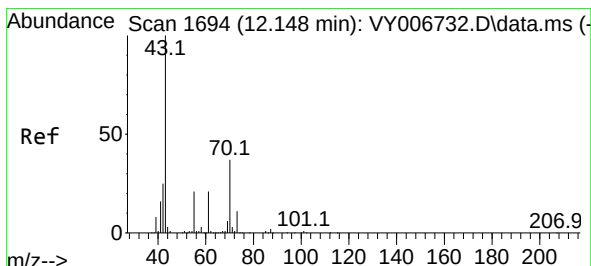
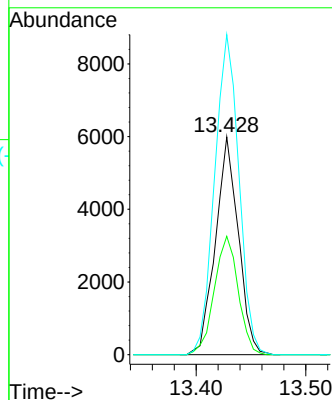
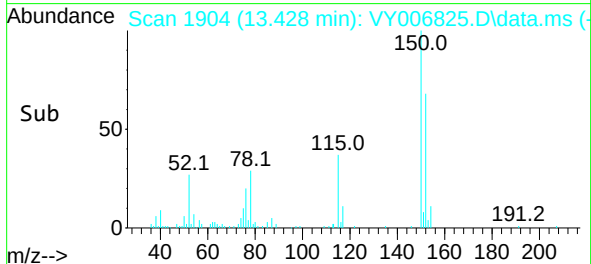


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006825.D
 Acq: 19 Nov 2021 13:11

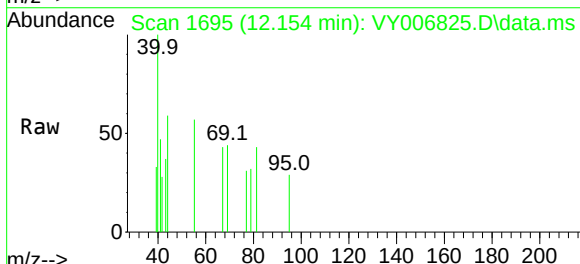
Instrument :
 MSVOA_Y
 ClientSampleId :



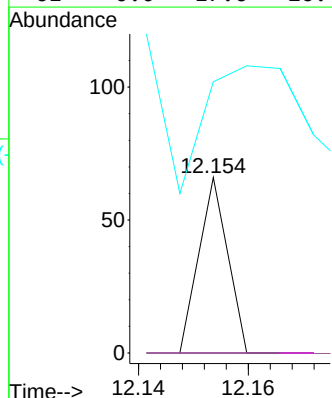
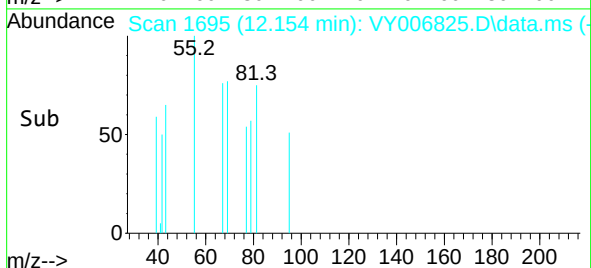
Tgt Ion:152 Resp: 8710
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.5 85.5
 150 155.5 0.0 348.2

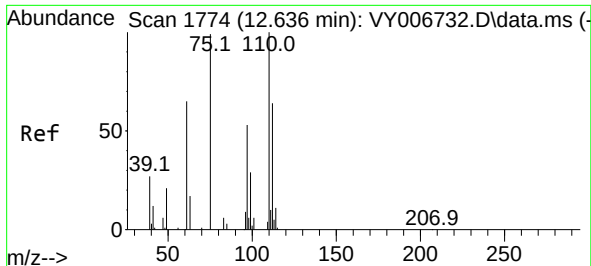


#74
 N-ethyl acetate
 Concen: 3.249 ug/l
 RT: 12.154 min Scan# 1695
 Delta R.T. 0.006 min
 Lab File: VY006825.D
 Acq: 19 Nov 2021 13:11



Tgt Ion: 43 Resp: 24
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.4 44.0#
 55 266.7 18.1 27.1#
 61 0.0 17.6 26.4#

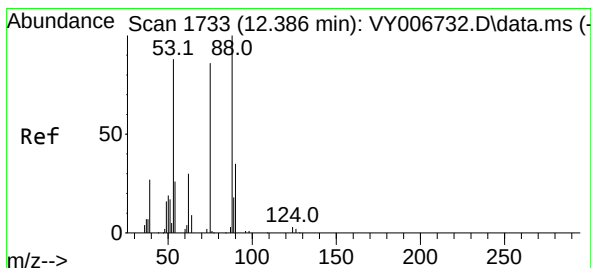
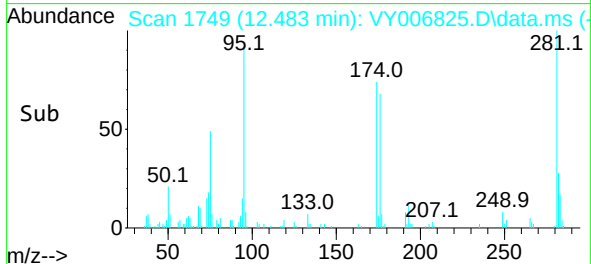
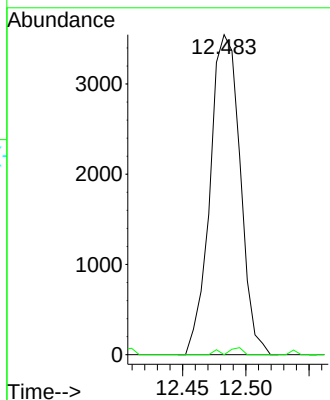
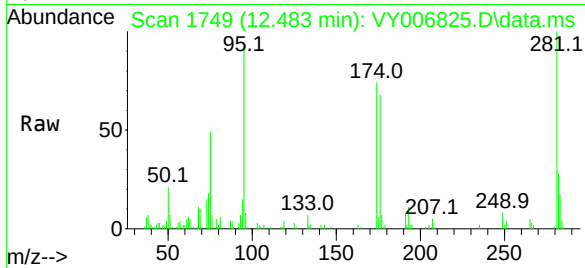




#76
1,2,3-Trichloropropane
Concen: 62.040 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

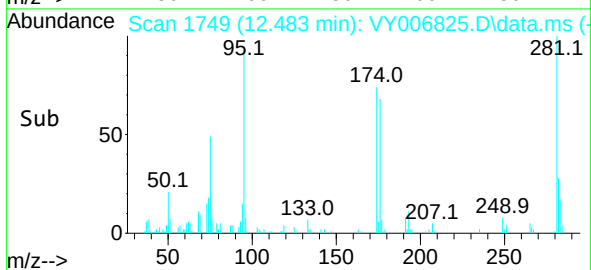
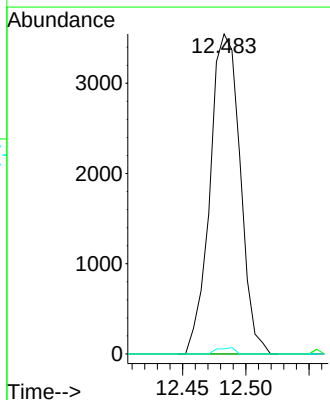
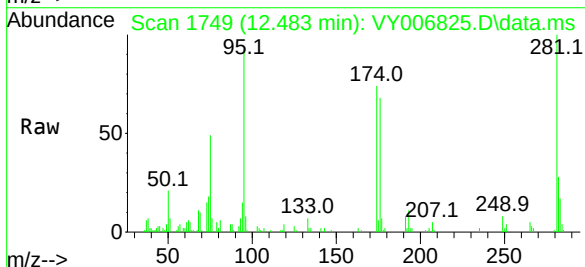
Instrument :
MSVOA_Y
ClientSampleId :

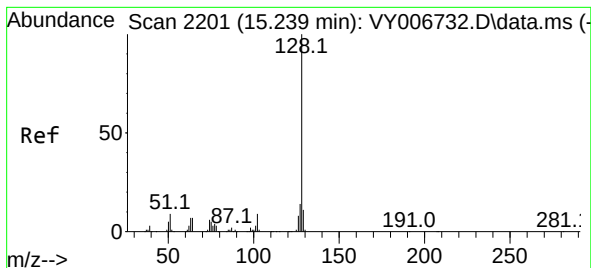
Tgt Ion: 75 Resp: 5875
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.930 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY006825.D
Acq: 19 Nov 2021 13:11

Tgt Ion: 75 Resp: 5875
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 1.2 39.3 58.9#





#95

Naphthalene

Concen: 1.007 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.007 min

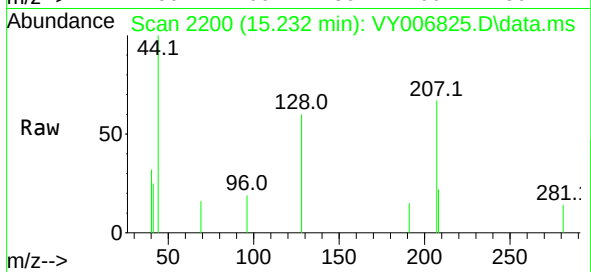
Lab File: VY006825.D

Acq: 19 Nov 2021 13:11

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.9 13.3#

