

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110221\
 Data File : VY006576.D
 Acq On : 02 Nov 2021 15:03
 Operator : SY/MD
 Sample : M4424-04
 Misc : 5.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 01:50:30 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)

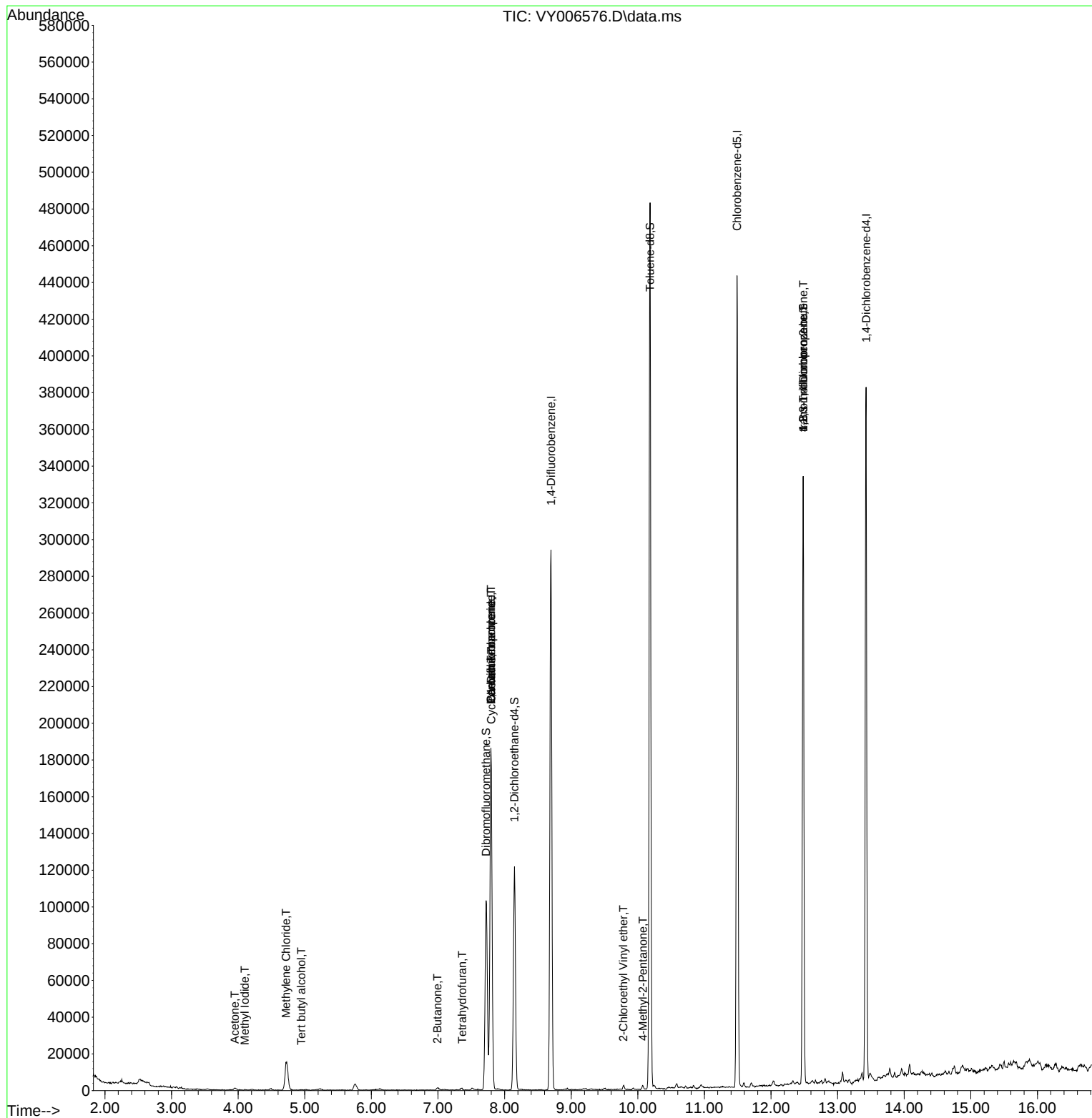
Internal Standards						
1) Pentafluorobenzene	7.795	168	136874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	232664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94973	56.386	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.780%	
35) Dibromofluoromethane	7.722	113	71355	55.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.040%	
50) Toluene-d8	10.185	98	299231	54.432	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.860%	
62) 4-Bromofluorobenzene	12.483	95	95262	51.442	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	367	5.304	ug/l #	70
11) Tert butyl alcohol	4.948	59	282	1.843	ug/l #	72
16) Acetone	3.948	43	2054	4.235	ug/l	99
20) Methylene Chloride	4.716	84	10584	3.265	ug/l	95
25) 2-Butanone	6.990	43	857	1.349	ug/l	97
29) Tetrahydrofuran	7.362	42	654	1.678	ug/l #	68
31) Cyclohexane	7.801	56	3836	1.407	ug/l #	27
36) 1,1-Dichloropropene	7.795	75	11584	5.039	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13914	5.486	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	1594	1.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	897	1.033	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	54290	58.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54290	119.885	ug/l #	7

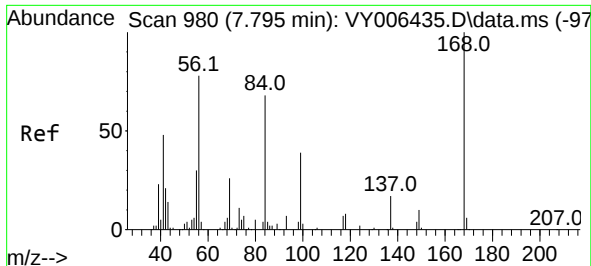
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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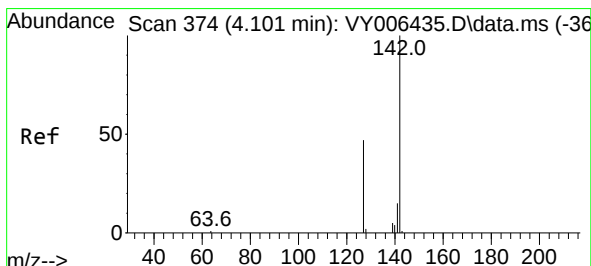
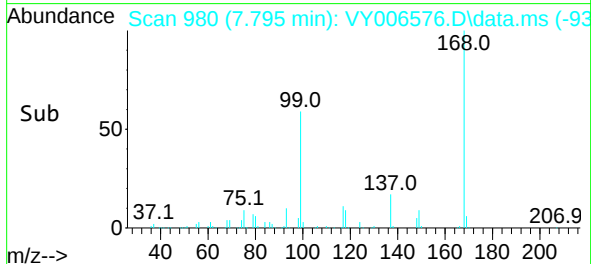
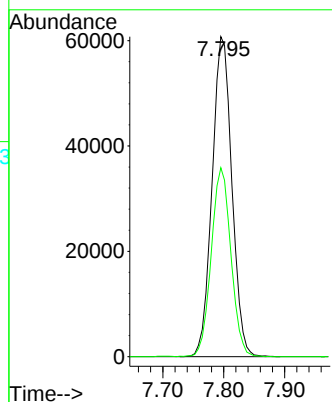
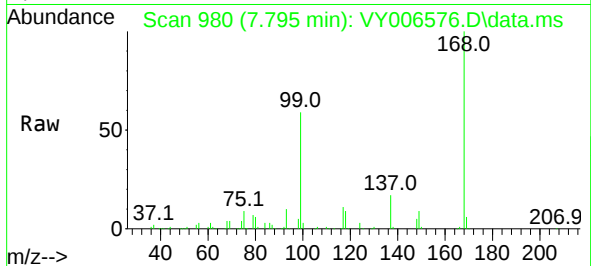




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

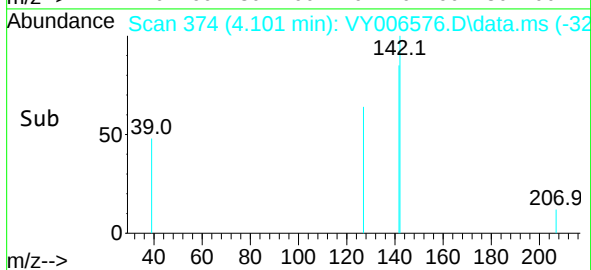
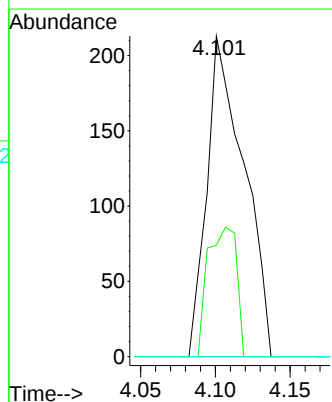
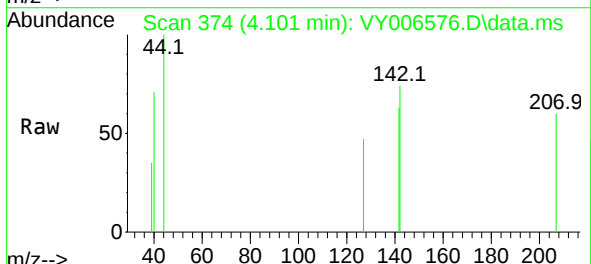
Instrument :
MSVOA_N
ClientSampleId :

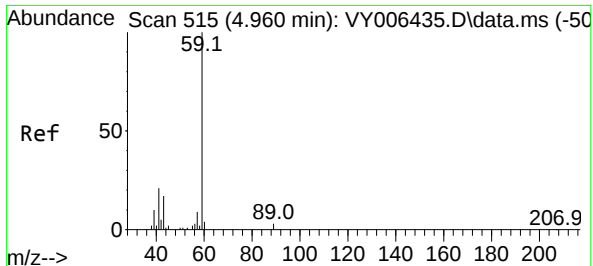
Tgt Ion:168 Resp: 136874
Ion Ratio Lower Upper
168 100
99 59.0 44.8 67.2



#10
Methyl Iodide
Concen: 5.304 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Tgt Ion:142 Resp: 367
Ion Ratio Lower Upper
142 100
127 31.3 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 1.843 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY006576.D

Acq: 02 Nov 2021 15:03

Instrument :

MSVOA_N

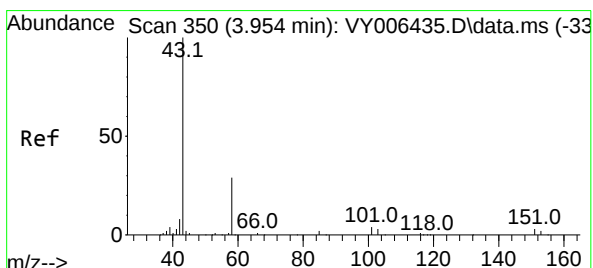
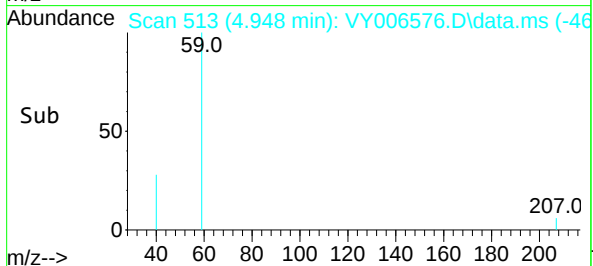
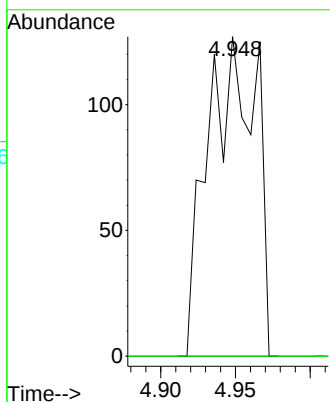
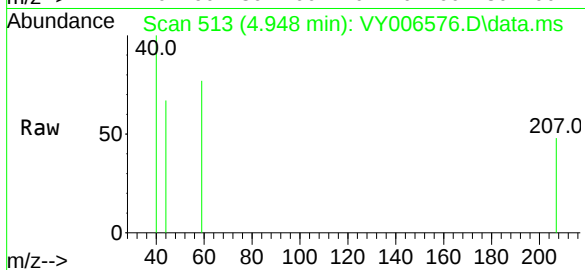
ClientSampleId :

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 4.235 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY006576.D

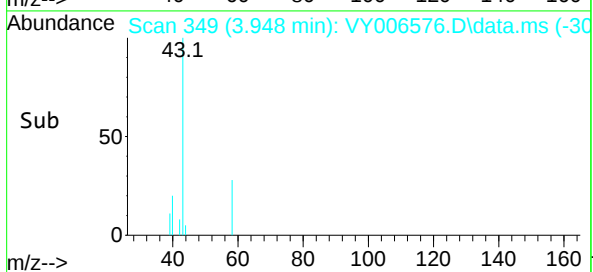
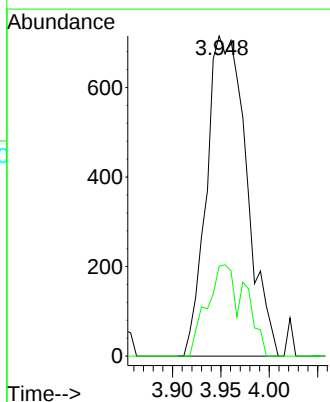
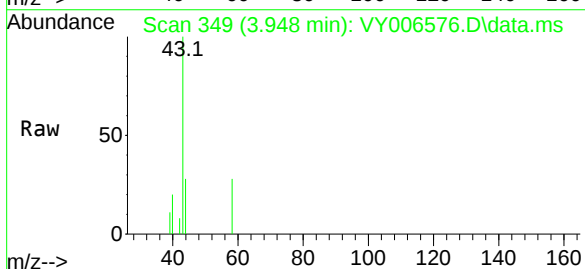
Acq: 02 Nov 2021 15:03

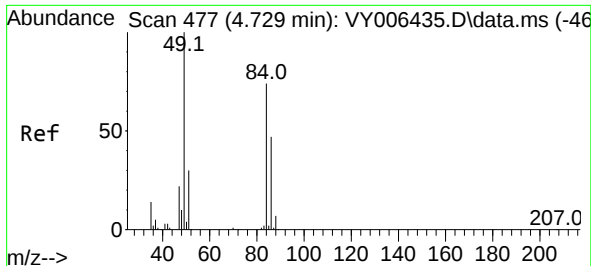
Tgt Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

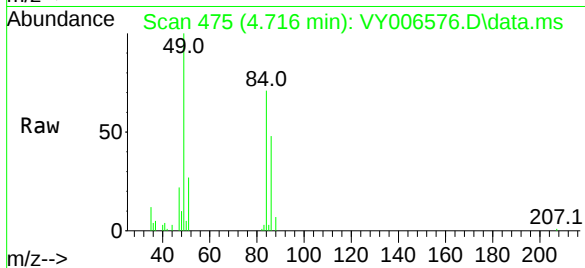
58 28.1 22.9 34.3



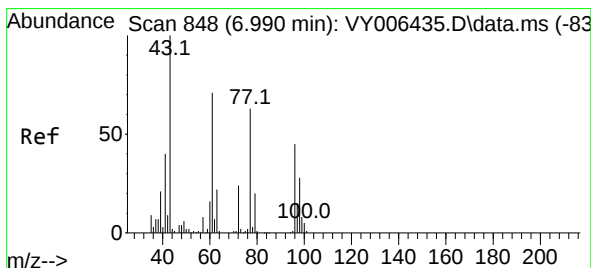
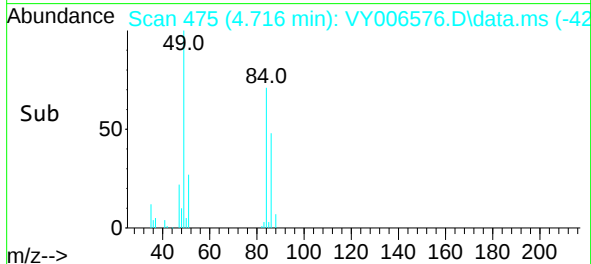
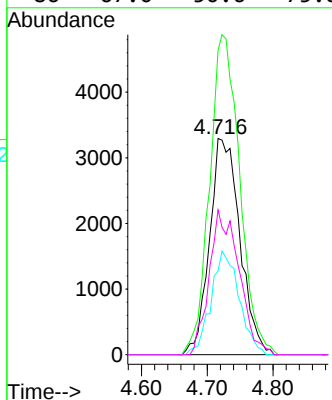


#20
Methylene Chloride
Concen: 3.265 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :

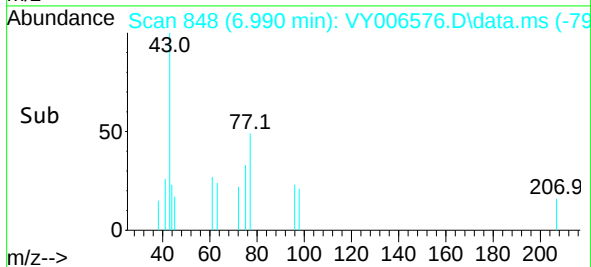
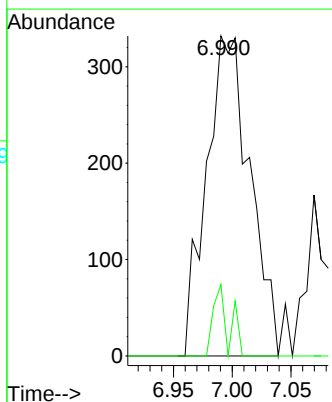
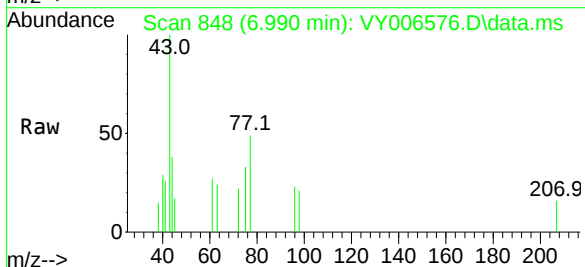


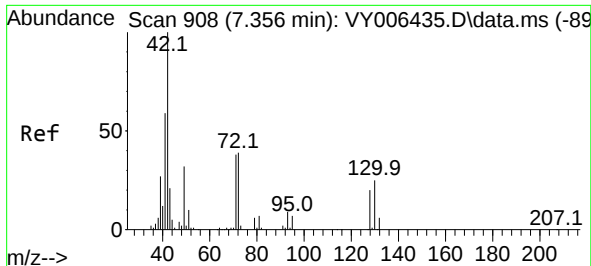
Tgt Ion: 84	Resp: 10584		
Ion	Ratio	Lower	Upper
84	100		
49	140.9	107.8	161.8
51	38.7	32.8	49.2
86	67.0	50.6	75.8



#25
2-Butanone
Concen: 1.349 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Tgt Ion: 43	Resp: 857		
Ion Ratio	Lower	Upper	
43 100			
72 22.3	18.9	28.3	





#29

Tetrahydrofuran

Concen: 1.678 ug/l

RT: 7.362 min Scan# 908

Delta R.T. 0.006 min

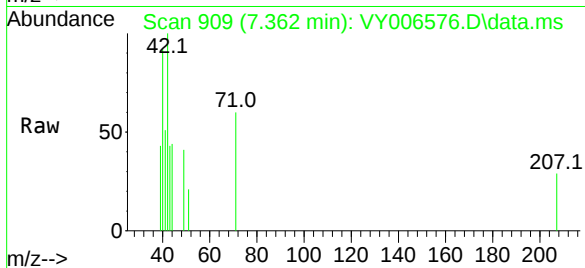
Lab File: VY006576.D

Acq: 02 Nov 2021 15:03

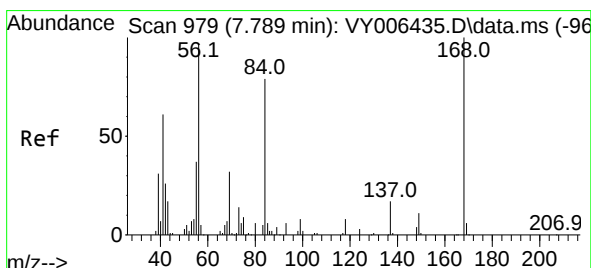
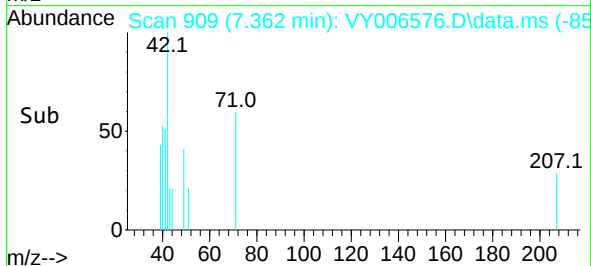
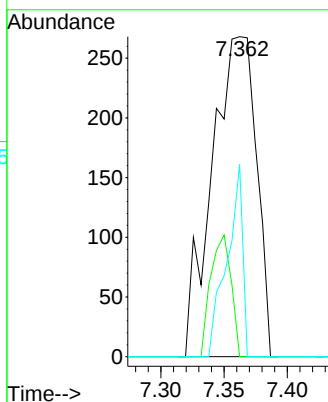
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	654
Ion	Ratio	Lower	Upper
42	100		
72	17.4	32.0	48.0#
71	21.3	30.3	45.5#



#31

Cyclohexane

Concen: 1.407 ug/l

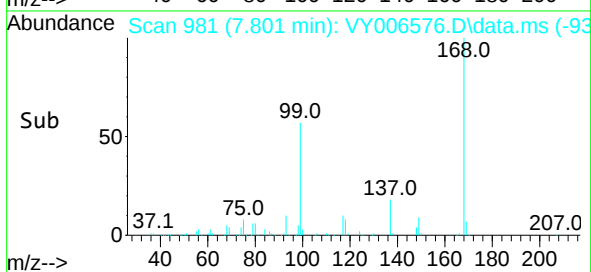
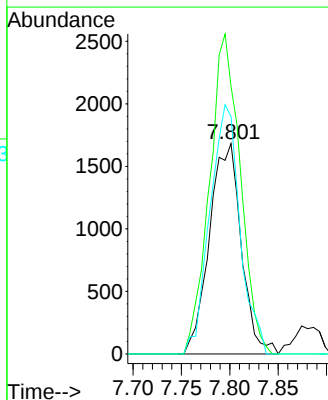
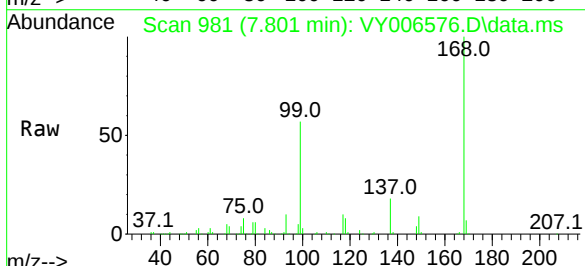
RT: 7.801 min Scan# 981

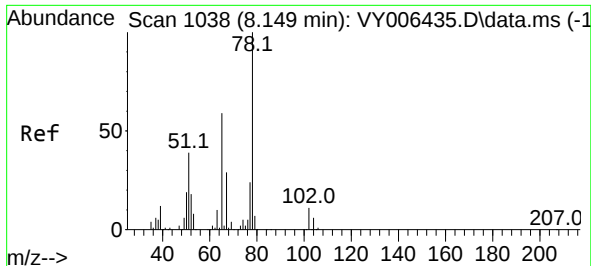
Delta R.T. 0.012 min

Lab File: VY006576.D

Acq: 02 Nov 2021 15:03

Tgt Ion:	56	Resp:	3836
Ion	Ratio	Lower	Upper
56	100		
69	127.2	26.6	40.0#
84	113.0	65.0	97.4#





#33

1,2-Dichloroethane-d4

Concen: 56.386 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006576.D

Acq: 02 Nov 2021 15:03

Instrument :

MSVOA_N

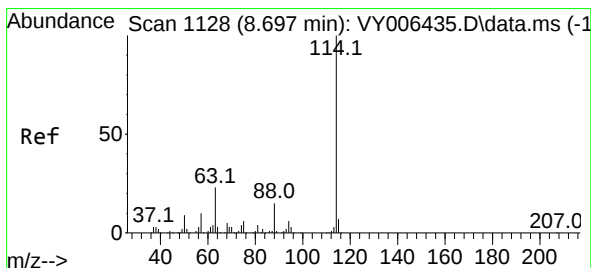
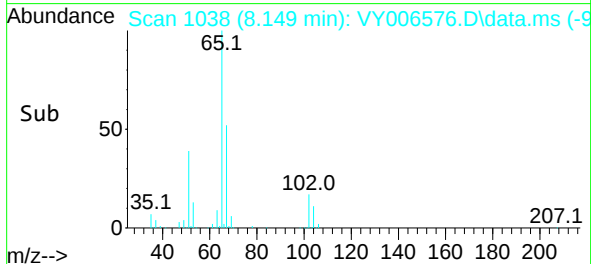
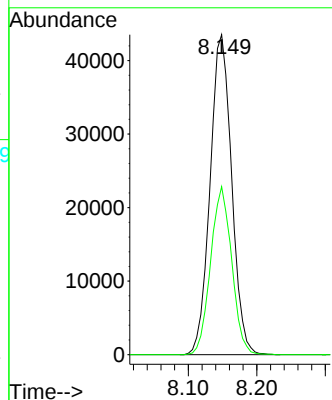
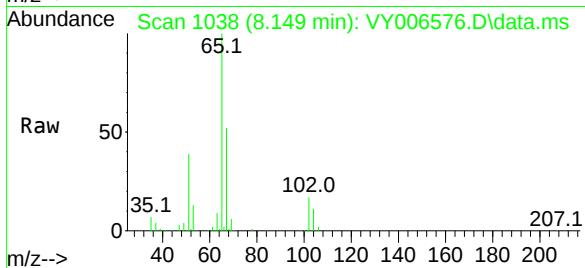
ClientSampleId :

Tgt Ion: 65 Resp: 94973

Ion Ratio Lower Upper

65 100

67 51.4 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: VY006576.D

Acq: 02 Nov 2021 15:03

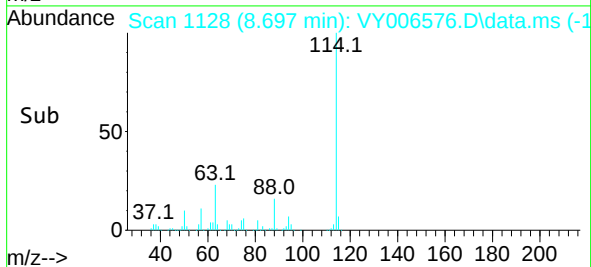
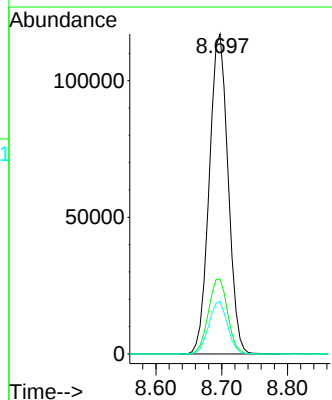
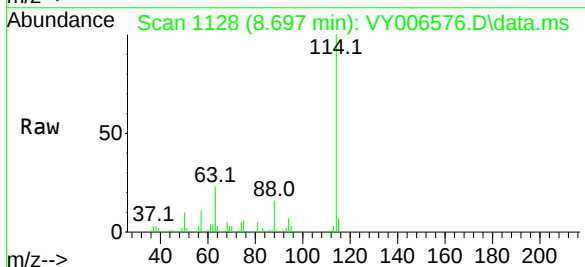
Tgt Ion: 114 Resp: 232664

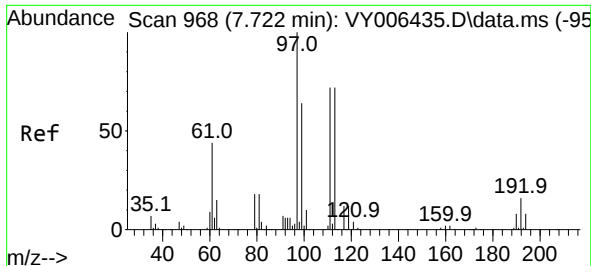
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

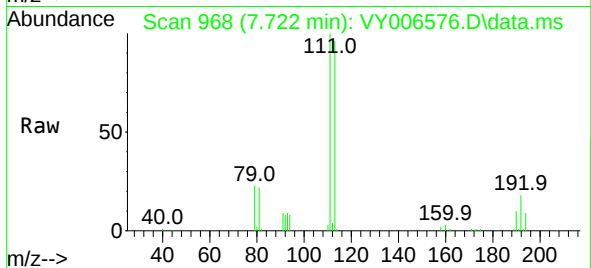
88 16.3 0.0 30.6



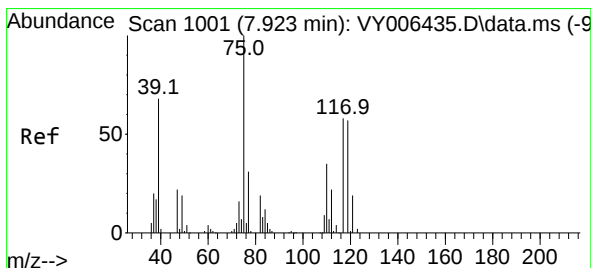
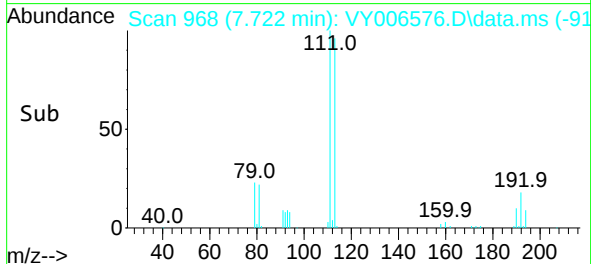
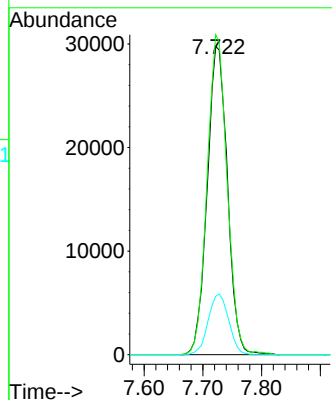


#35
Dibromofluoromethane
Concen: 55.024 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :

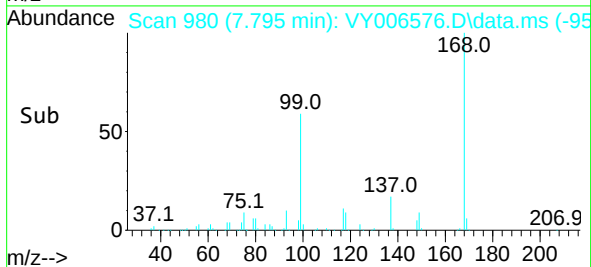
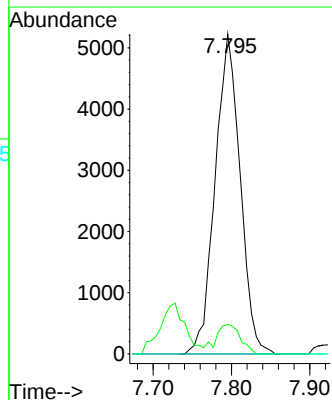
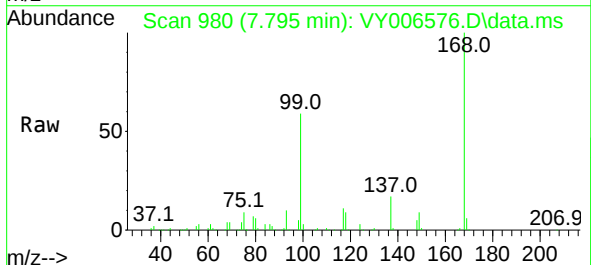


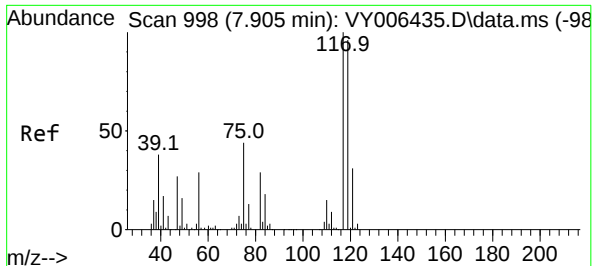
Tgt Ion:113 Resp: 71355
Ion Ratio Lower Upper
113 100
111 102.1 82.3 123.5
192 19.9 17.4 26.2



#36
1,1-Dichloropropene
Concen: 5.039 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

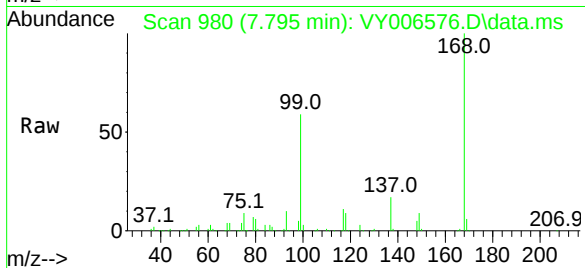
Tgt Ion: 75 Resp: 11584
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.3#
77 0.0 24.9 37.3#



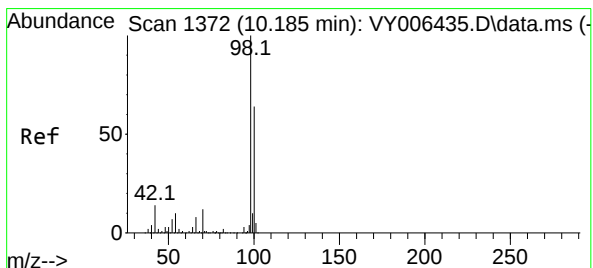
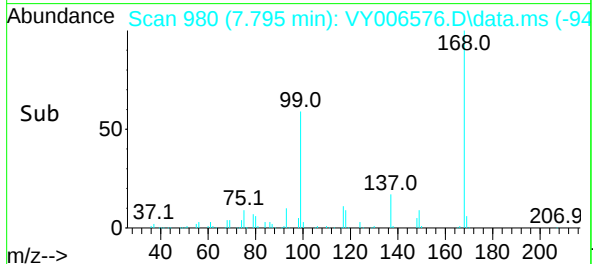
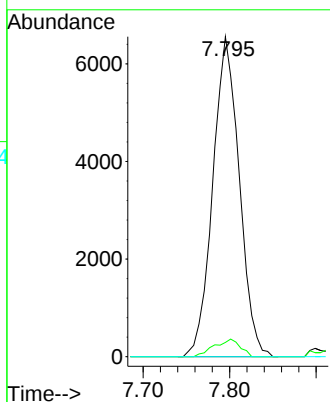


#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Instrument :
MSVOA_N
ClientSampleId :

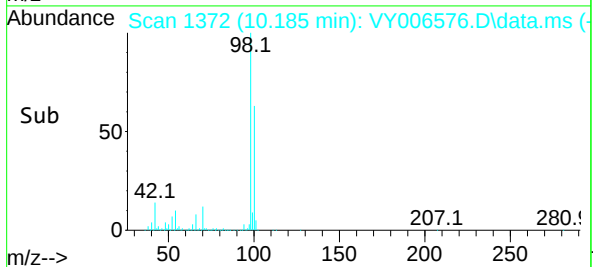
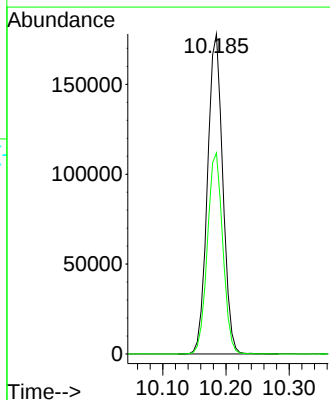
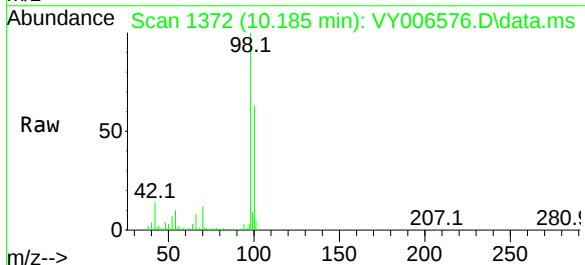


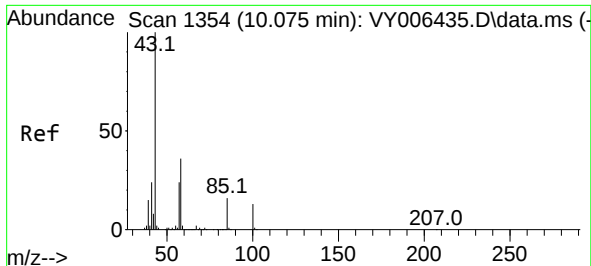
Tgt Ion:117 Resp: 13914
Ion Ratio Lower Upper
117 100
119 4.5 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.432 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Tgt Ion: 98 Resp: 299231
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

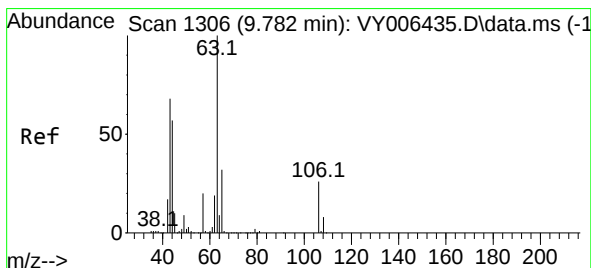
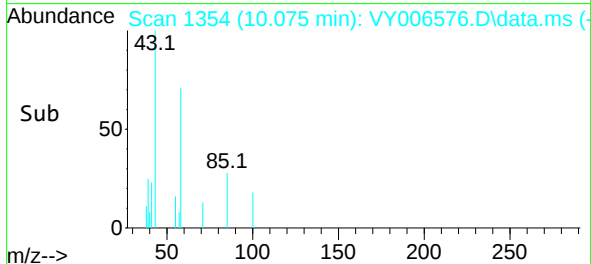
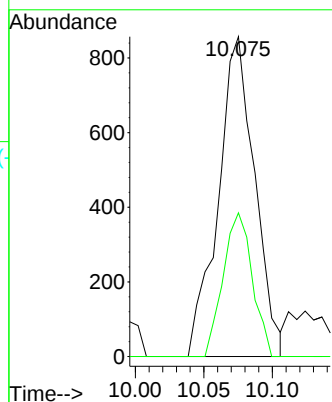
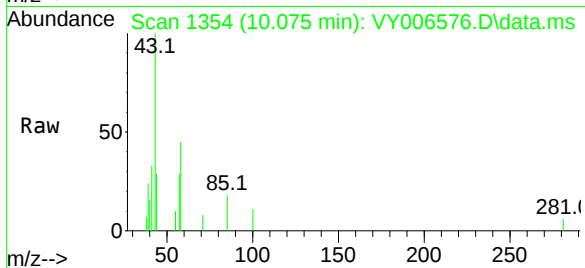




#51
4-Methyl-2-Pentanone
Concen: 1.077 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

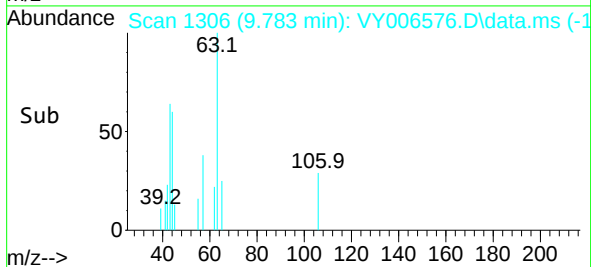
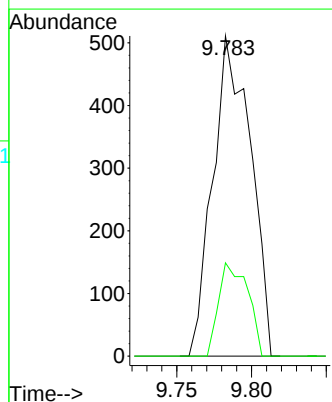
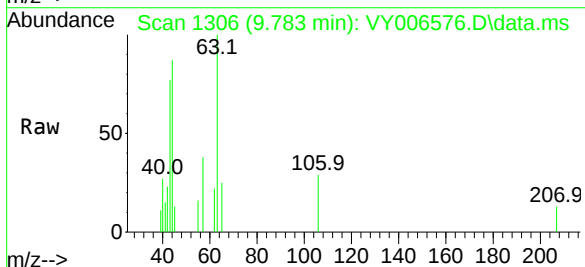
Instrument :
MSVOA_N
ClientSampleId :

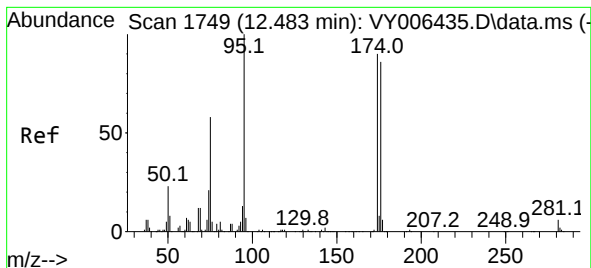
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
58 35.7 28.7 43.1



#58
2-Chloroethyl Vinyl ether
Concen: 1.033 ug/l
RT: 9.783 min Scan# 1306
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Tgt Ion: 63 Resp: 897
Ion Ratio Lower Upper
63 100
106 22.5 21.4 32.2

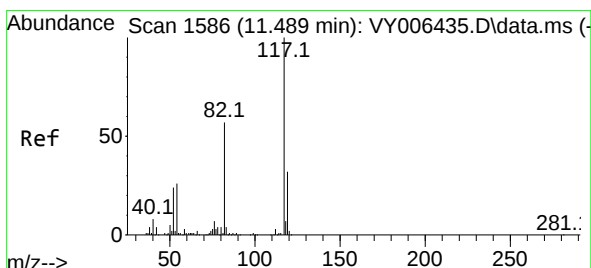
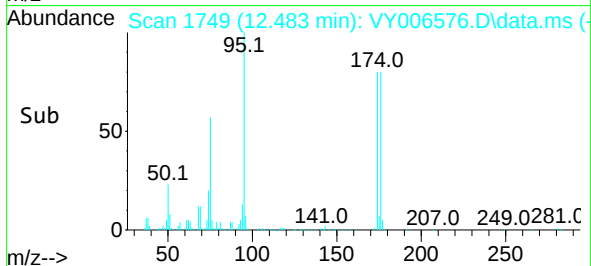
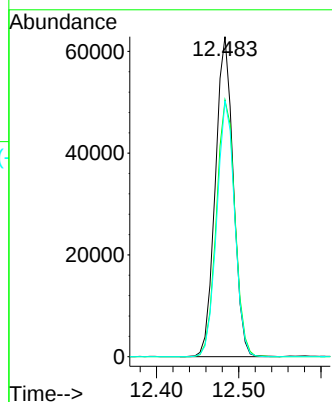
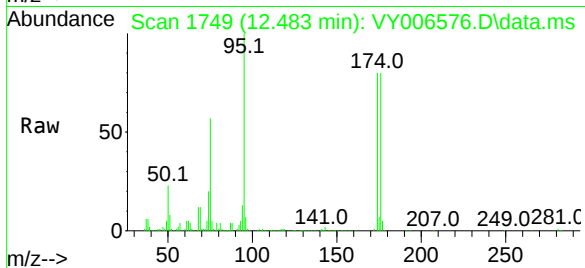




#62
4-Bromofluorobenzene
Concen: 51.442 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

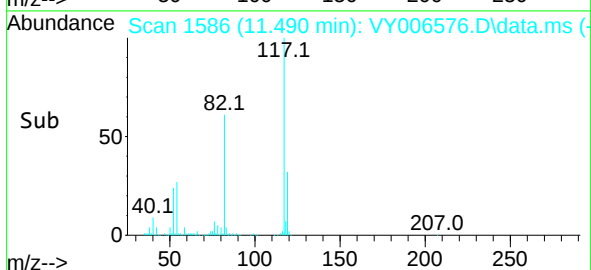
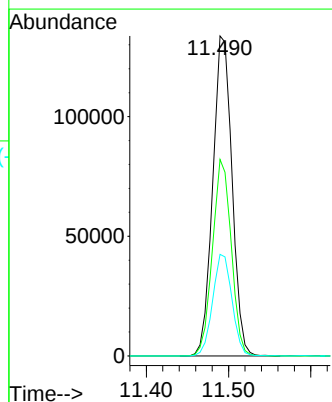
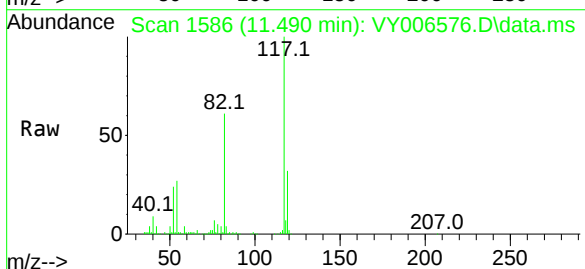
Instrument :
MSVOA_N
ClientSampleId :

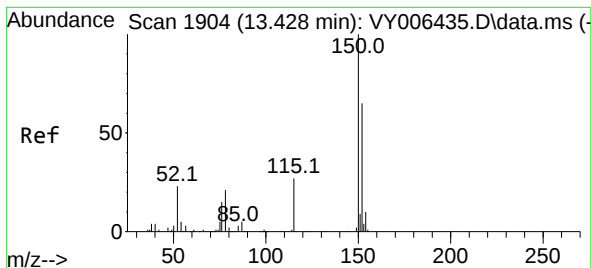
Tgt Ion: 95 Resp: 95262
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.5 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006576.D
Acq: 02 Nov 2021 15:03

Tgt Ion: 117 Resp: 217673
Ion Ratio Lower Upper
117 100
82 61.4 45.7 68.5
119 31.8 25.5 38.3

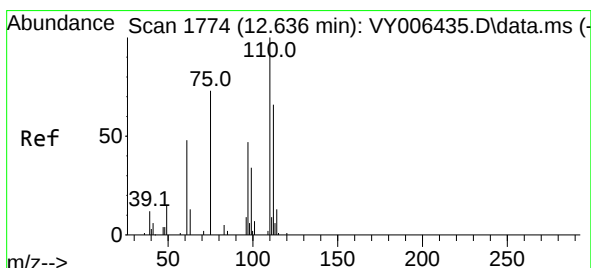
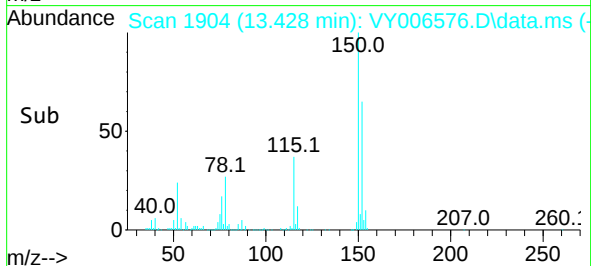
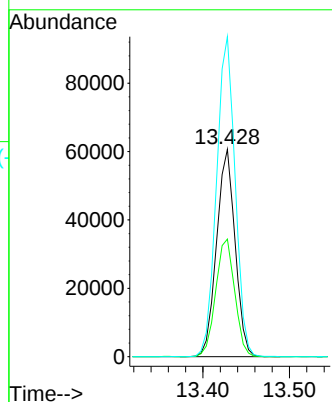
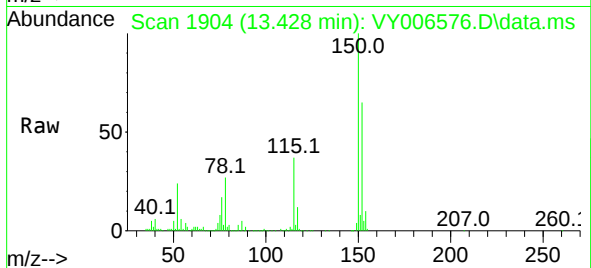




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006576.D
 Acq: 02 Nov 2021 15:03

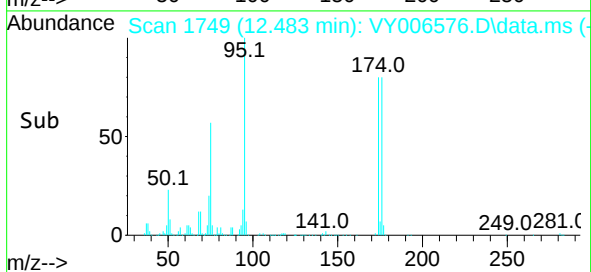
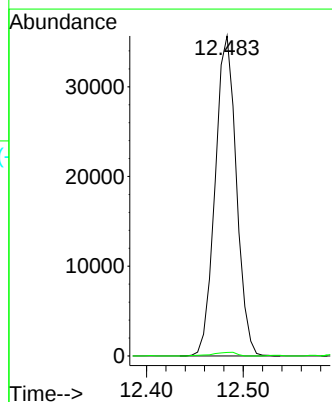
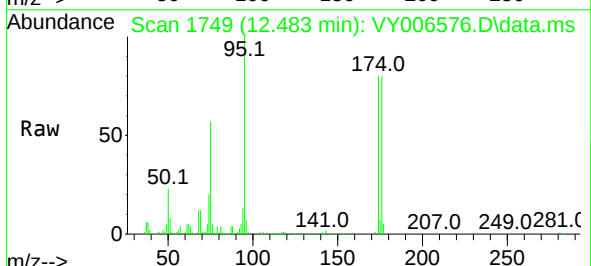
Instrument :
 MSVOA_N
 ClientSampleId :

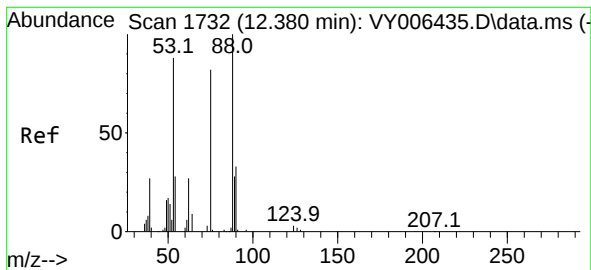
Tgt Ion:152 Resp: 90219
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.5 85.5
 150 155.0 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 58.396 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006576.D
 Acq: 02 Nov 2021 15:03

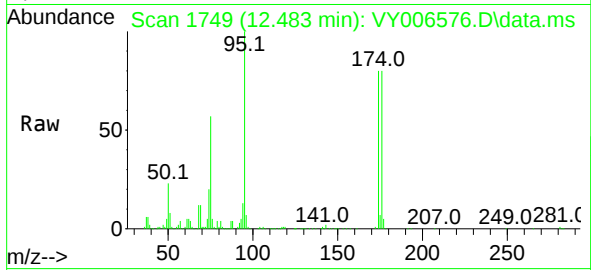
Tgt Ion: 75 Resp: 54290
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.885 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY006576.D
 Acq: 02 Nov 2021 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	85.8	128.6#
89	0.0	39.3	58.9#

