

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110321\
 Data File : VY006616.D
 Acq On : 03 Nov 2021 21:03
 Operator : SY/MD
 Sample : M4438-01
 Misc : 4.46G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-20211101-WC-S

Quant Time: Nov 03 21:59:27 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)

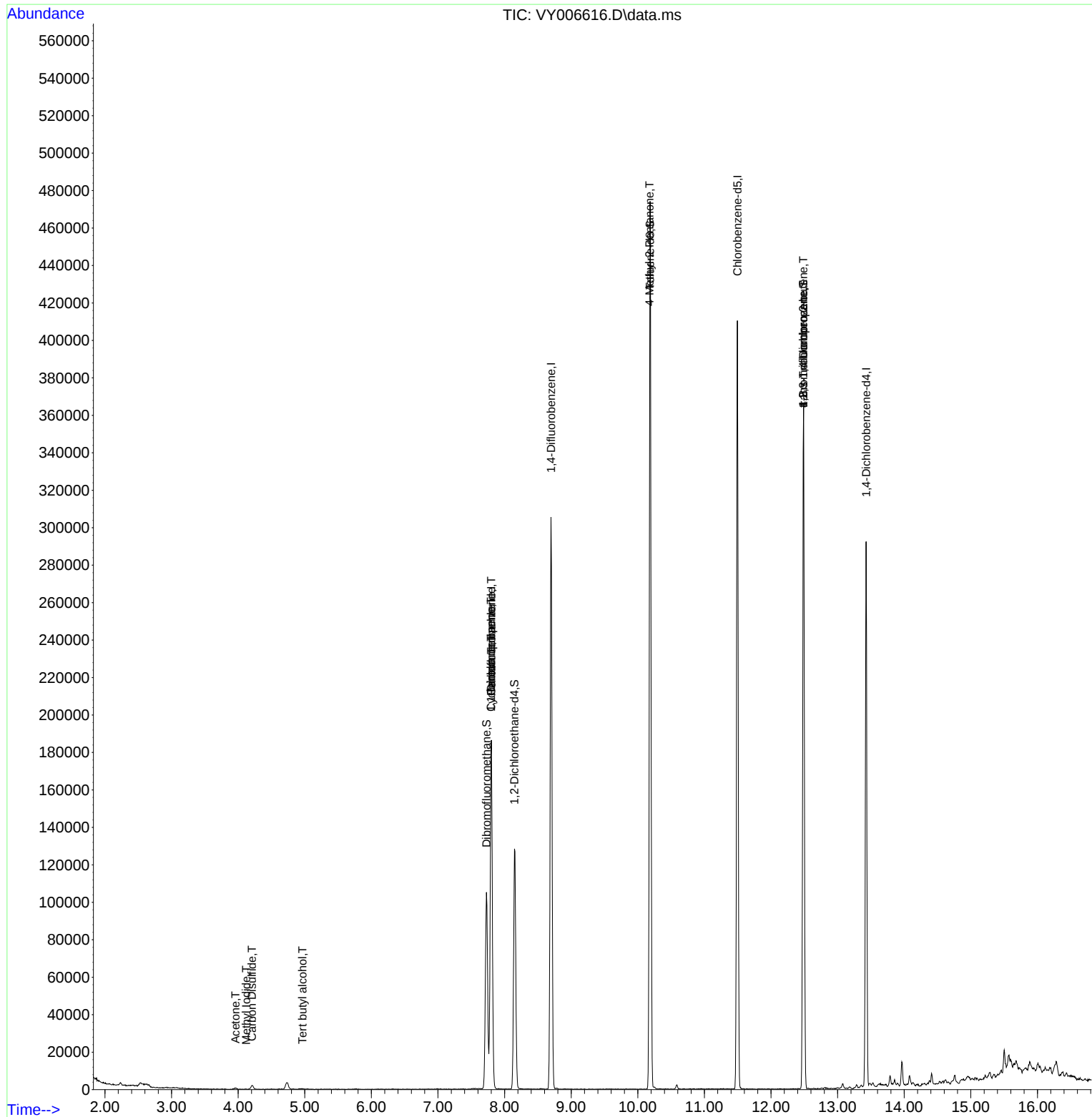
Internal Standards						
1) Pentafluorobenzene	7.801	168	138721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	233969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	103654	60.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.440%	
35) Dibromofluoromethane	7.728	113	72003	55.214	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.420%	
50) Toluene-d8	10.184	98	295077	53.377	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.483	95	80891	43.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.118	142	221	5.205	ug/l #	36
11) Tert butyl alcohol	4.966	59	632	4.075	ug/l #	72
16) Acetone	3.960	43	1188	2.417	ug/l	90
17) Carbon Disulfide	4.204	76	4198	1.022	ug/l #	92
20) Methylene Chloride	4.728	84	2673	Below Cal		95
31) Cyclohexane	7.795	56	3459	1.252	ug/l #	5
36) 1,1-Dichloropropene	7.795	75	11872	5.135	ug/l #	50
38) Carbon Tetrachloride	7.801	117	14227	5.579	ug/l #	16
51) 4-Methyl-2-Pentanone	10.178	43	1620	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	47043	67.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47043	137.759	ug/l #	7

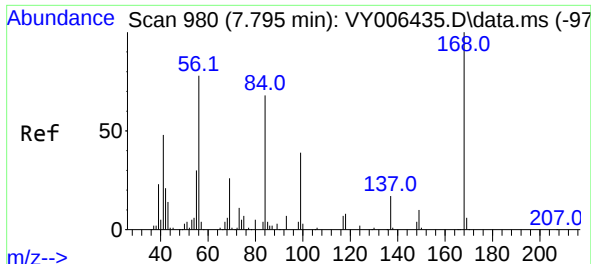
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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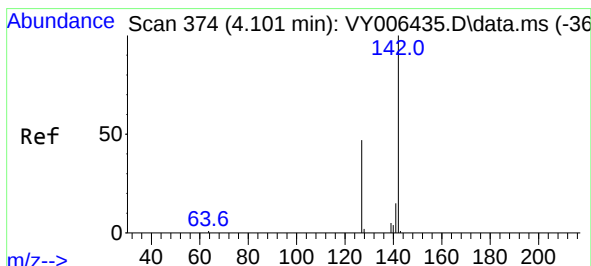
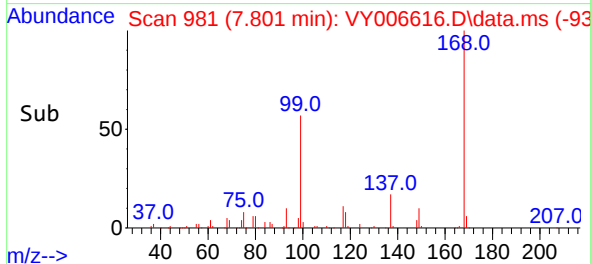
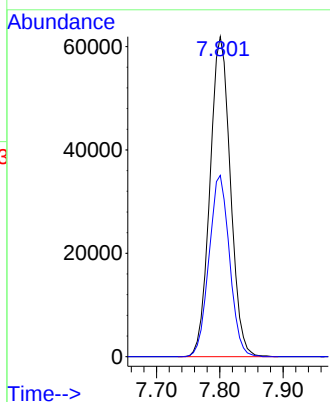
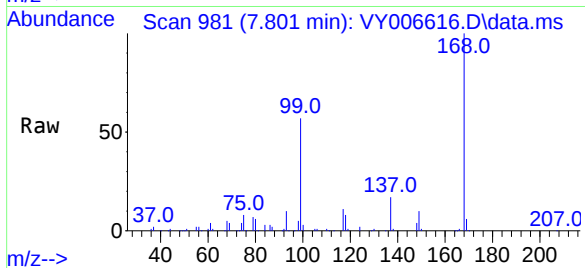




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

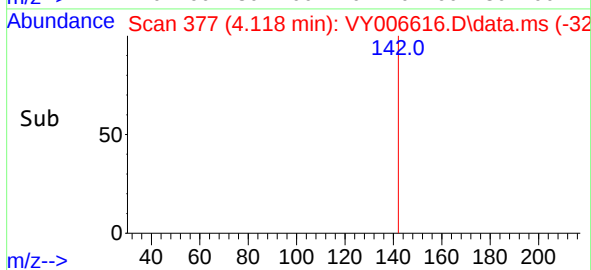
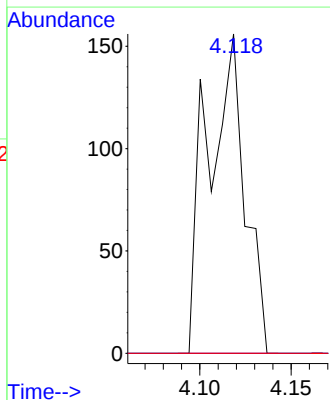
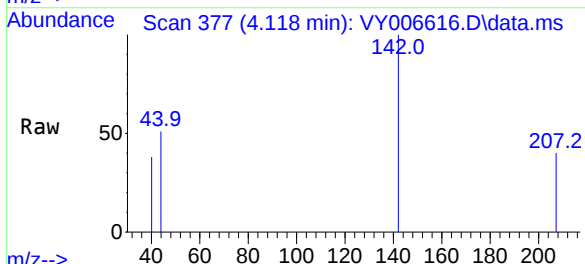
Instrument :
MSVOA_Y
ClientSampleId :
FDR-20211101-WC-S

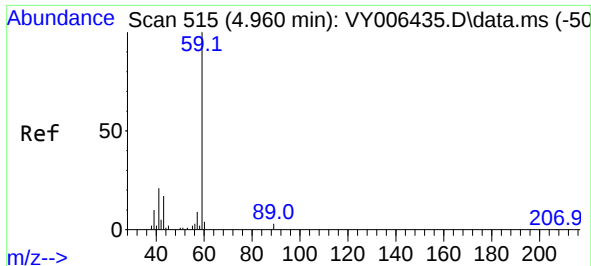
Tgt Ion:168 Resp: 138721
Ion Ratio Lower Upper
168 100
99 56.6 44.8 67.2



#10
Methyl Iodide
Concen: 5.205 ug/l
RT: 4.118 min Scan# 377
Delta R.T. 0.017 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

Tgt Ion:142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 4.075 ug/l

RT: 4.966 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY006616.D

Acq: 03 Nov 2021 21:03

Instrument :

MSVOA_Y

ClientSampleId :

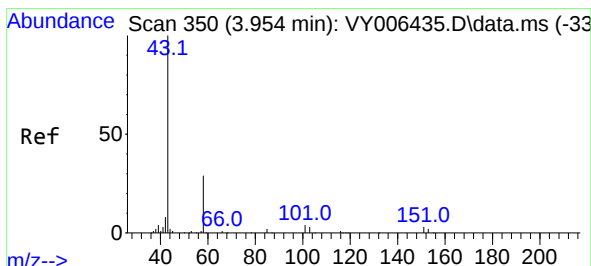
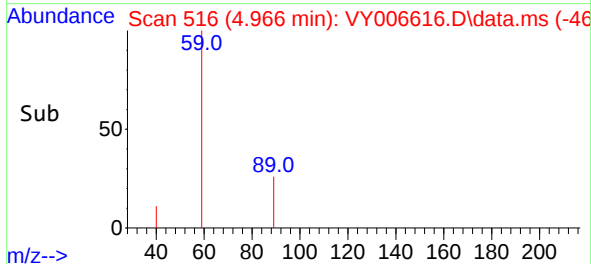
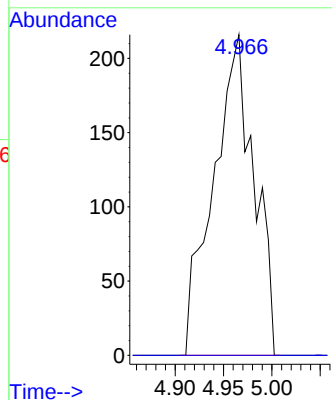
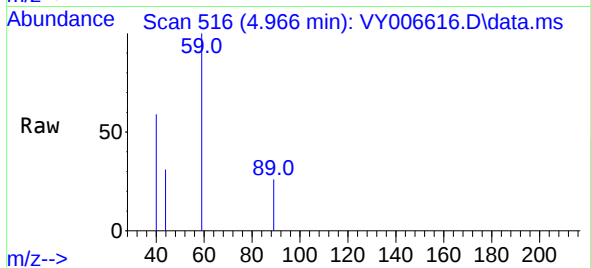
FDR-20211101-WC-S

Tgt Ion: 59 Resp: 632

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.417 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006616.D

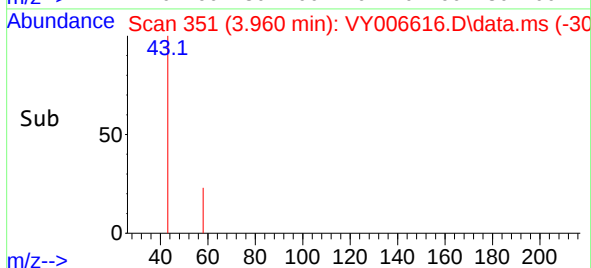
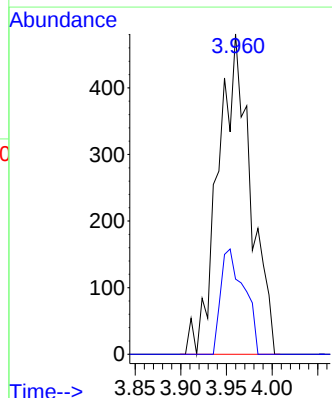
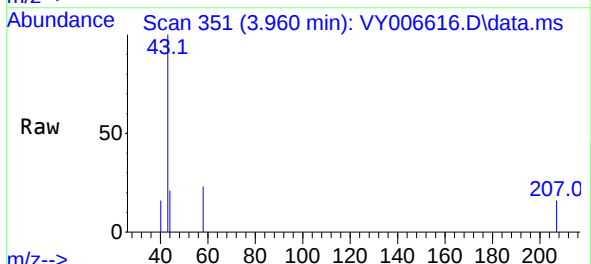
Acq: 03 Nov 2021 21:03

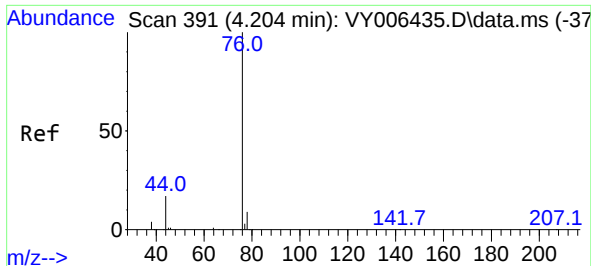
Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 23.5 22.9 34.3

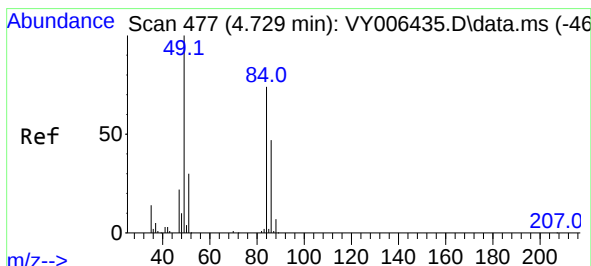
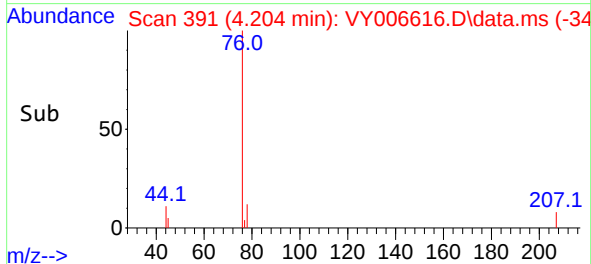
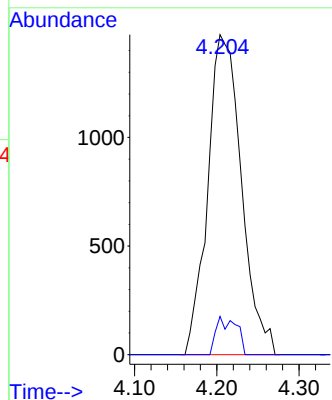
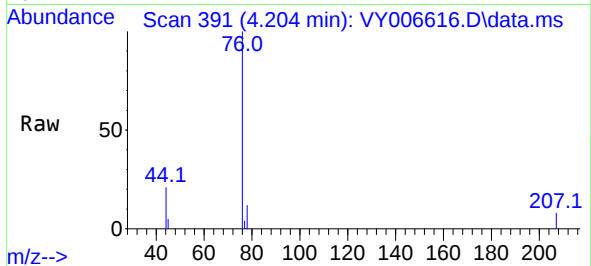




#17
Carbon Disulfide
Concen: 1.022 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

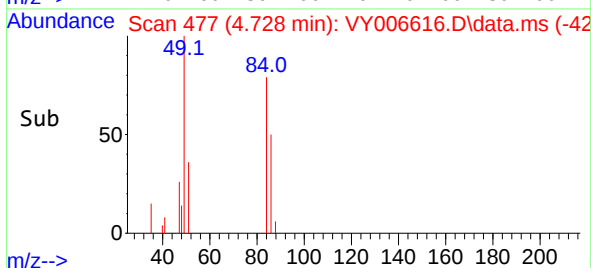
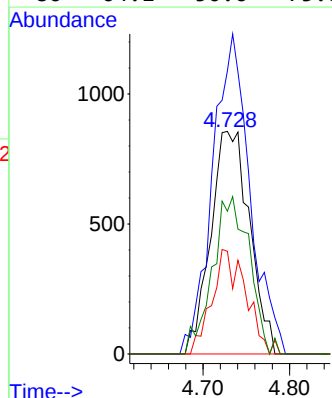
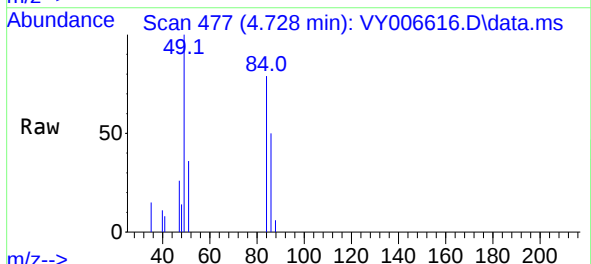
Instrument :
MSVOA_Y
ClientSampleId :
FDR-20211101-WC-S

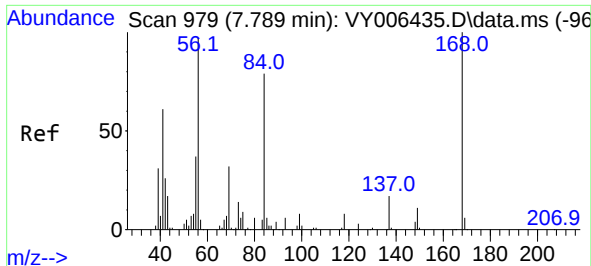
Tgt Ion: 76 Resp: 4198
Ion Ratio Lower Upper
76 100
78 11.9 7.1 10.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

Tgt Ion: 84 Resp: 2673
Ion Ratio Lower Upper
84 100
49 127.2 107.8 161.8
51 46.1 32.8 49.2
86 64.1 50.6 75.8

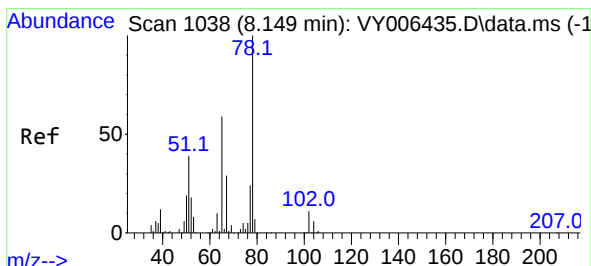
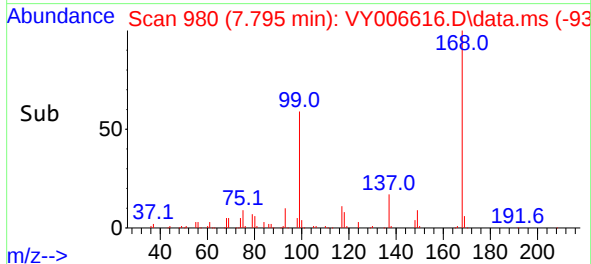
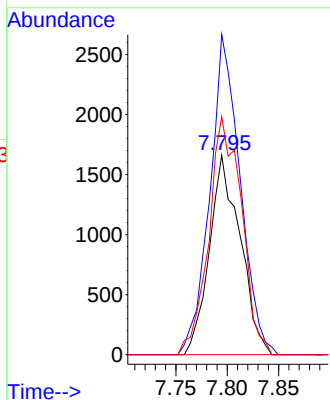
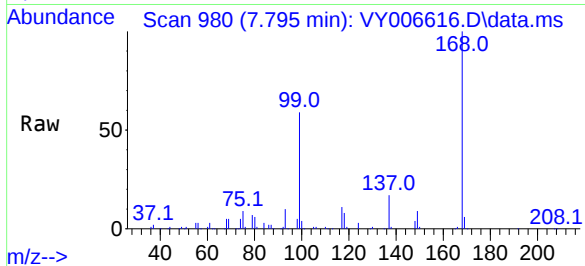




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

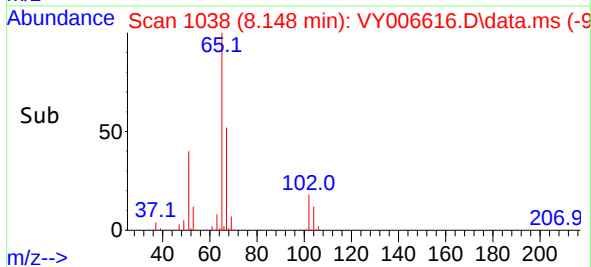
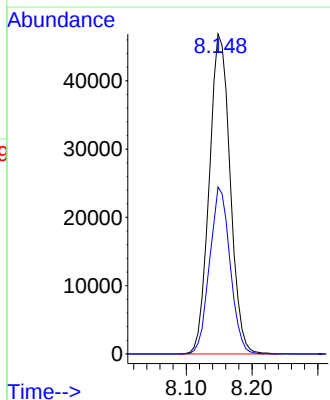
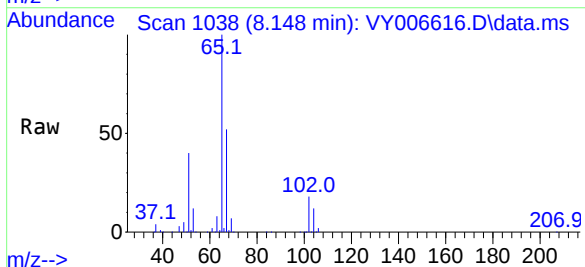
Instrument :
MSVOA_Y
ClientSampleId :
FDR-20211101-WC-S

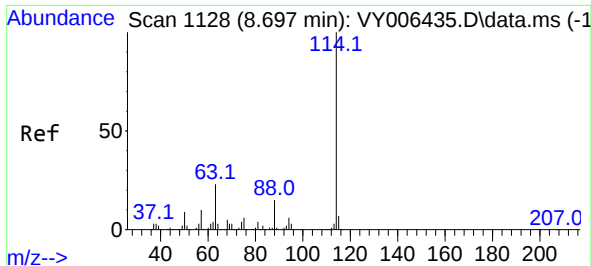
Tgt Ion: 56 Resp: 3459
Ion Ratio Lower Upper
56 100
69 160.3 26.6 40.0#
84 119.2 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 60.721 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

Tgt Ion: 65 Resp: 103654
Ion Ratio Lower Upper
65 100
67 51.1 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: VY006616.D

Acq: 03 Nov 2021 21:03

Instrument :

MSVOA_Y

ClientSampleId :

FDR-20211101-WC-S

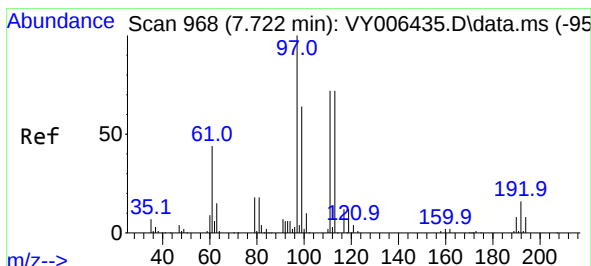
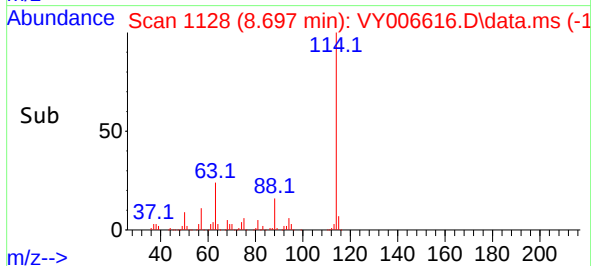
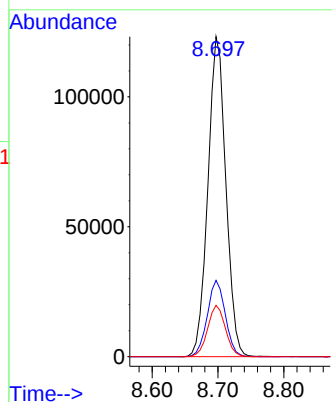
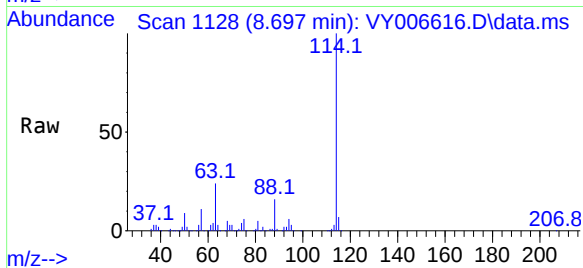
Tgt Ion:114 Resp: 233969

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.0

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.214 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006616.D

Acq: 03 Nov 2021 21:03

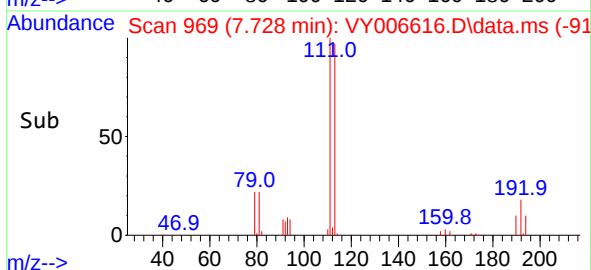
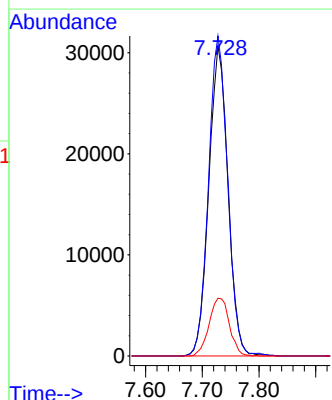
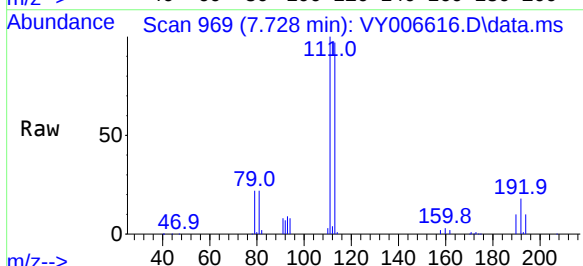
Tgt Ion:113 Resp: 72003

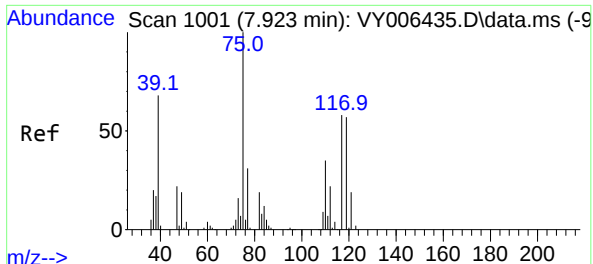
Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 19.7 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY006616.D

Acq: 03 Nov 2021 21:03

Instrument :

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ClientSampleId :

FDR-20211101-WC-S

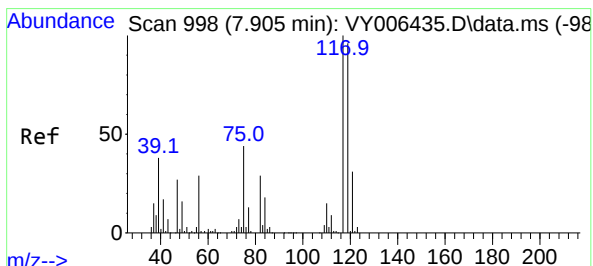
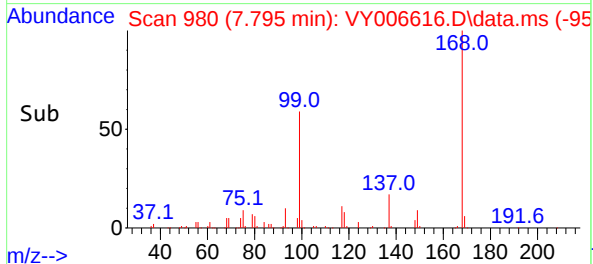
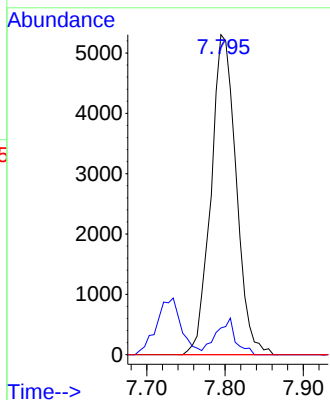
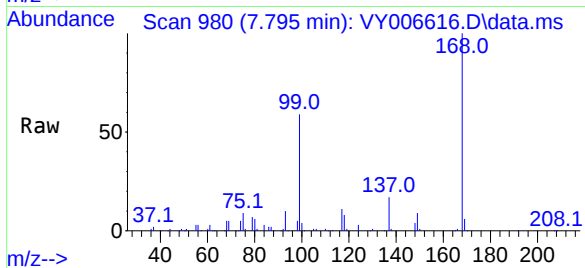
Tgt Ion: 75 Resp: 11872

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.579 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY006616.D

Acq: 03 Nov 2021 21:03

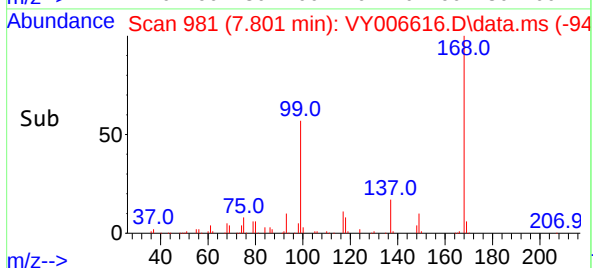
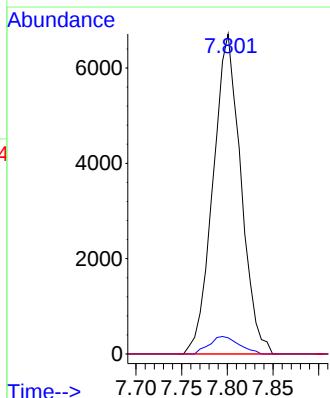
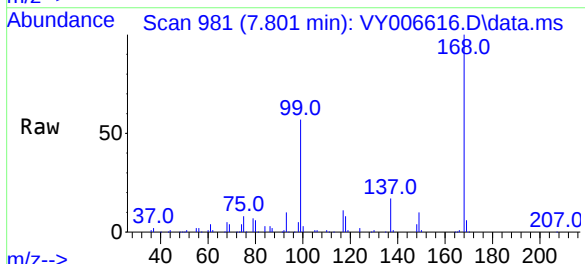
Tgt Ion: 117 Resp: 14227

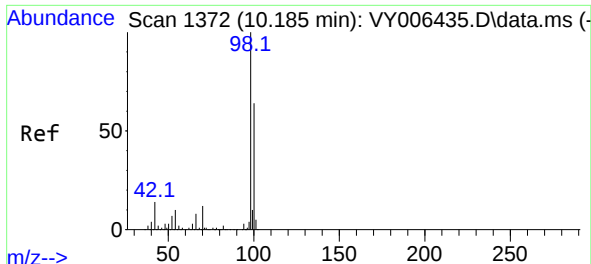
Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

121 0.0 24.7 37.1#

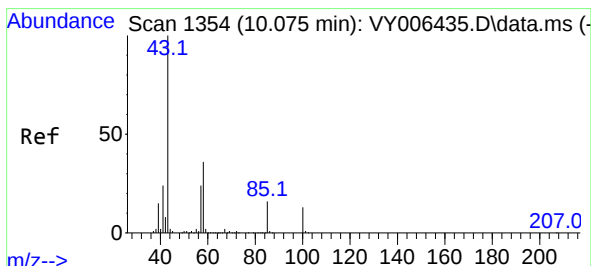
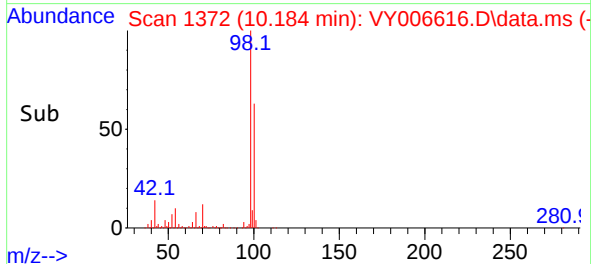
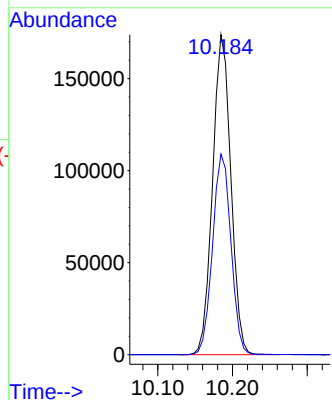
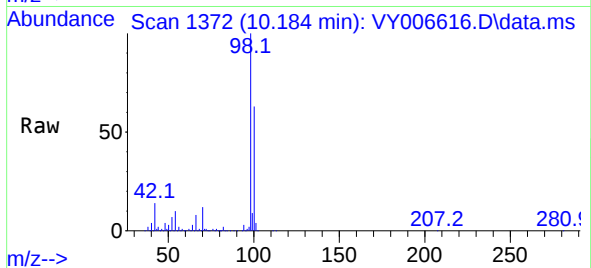




#50
Toluene-d8
Concen: 53.377 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

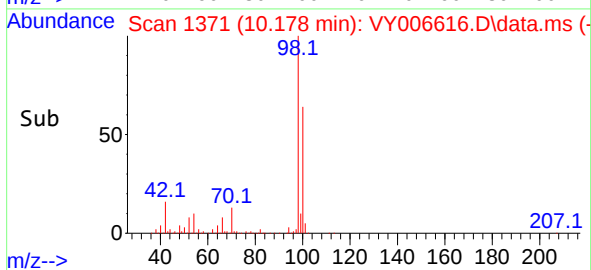
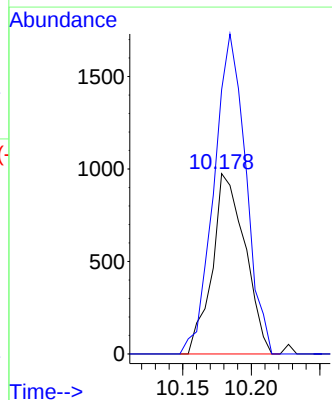
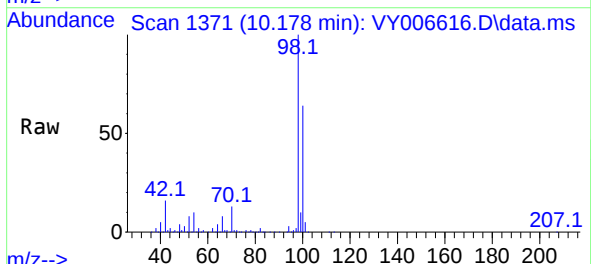
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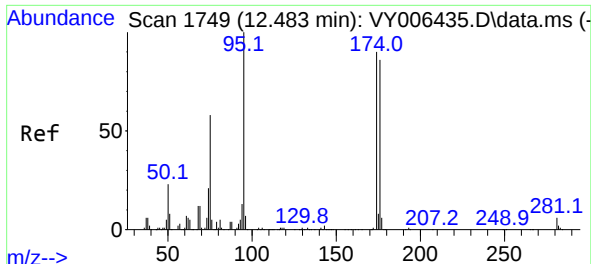
Tgt Ion: 98 Resp: 295077
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.089 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.103 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 172.9 28.7 43.1#

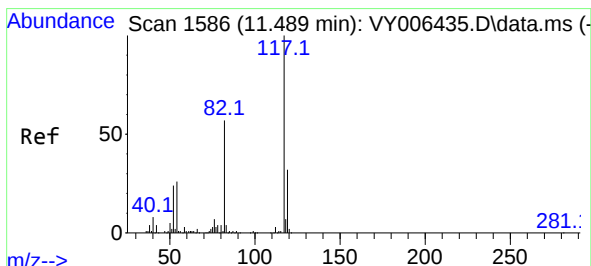
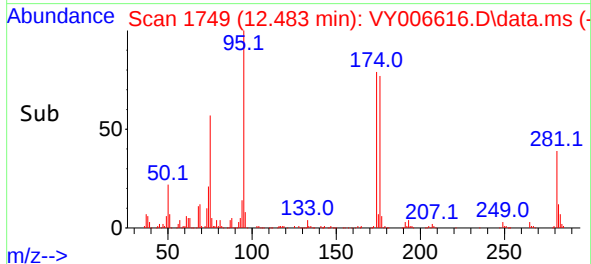
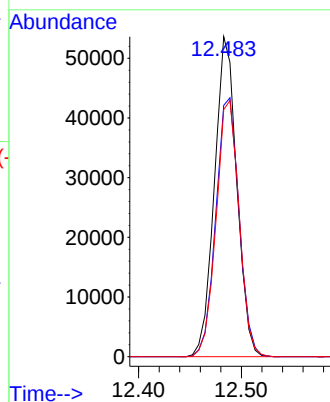
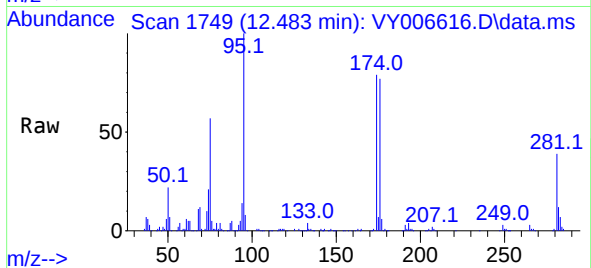




#62
4-Bromofluorobenzene
Concen: 43.438 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

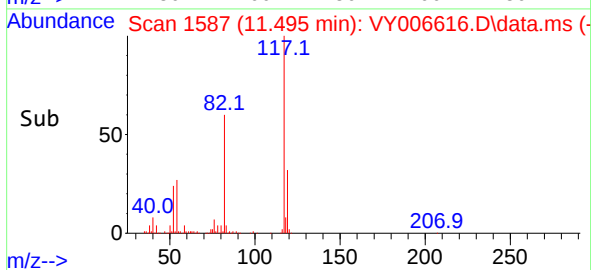
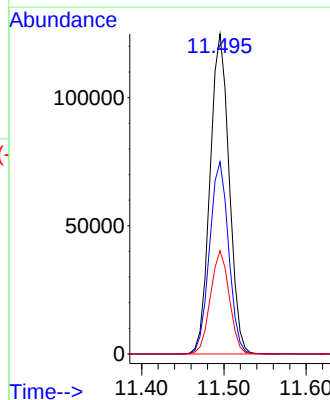
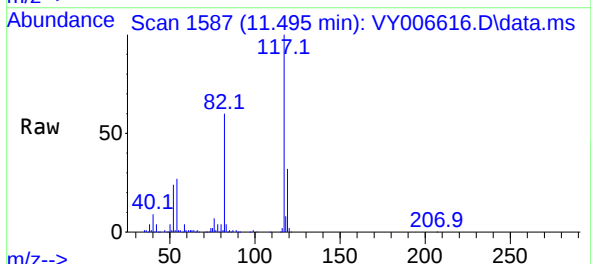
Instrument :
MSVOA_Y
ClientSampleId :
FDR-20211101-WC-S

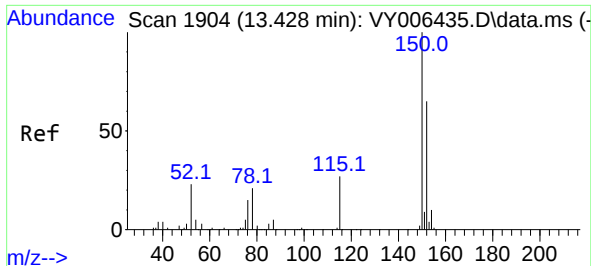
Tgt Ion:	95	Resp:	80891
Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	177.0
176	82.0	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006616.D
Acq: 03 Nov 2021 21:03

Tgt Ion:	117	Resp:	201742
Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.7	68.5
119	32.3	25.5	38.3

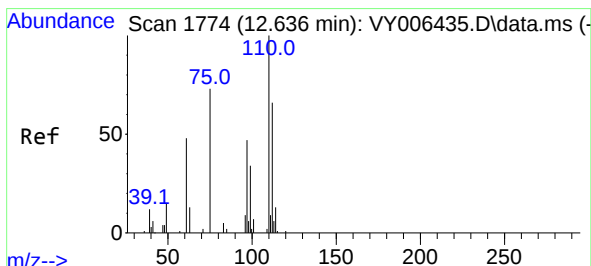
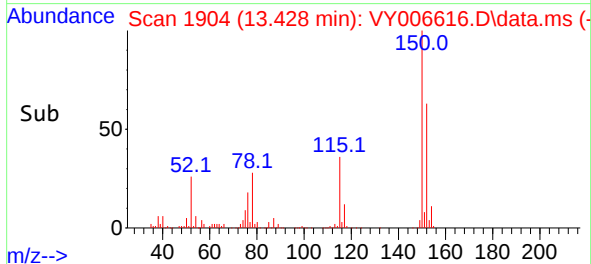
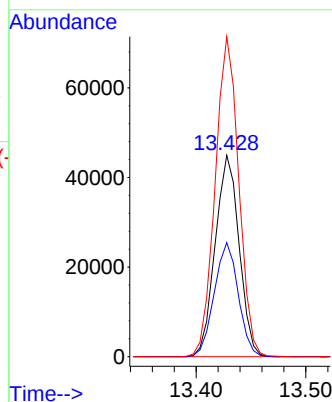
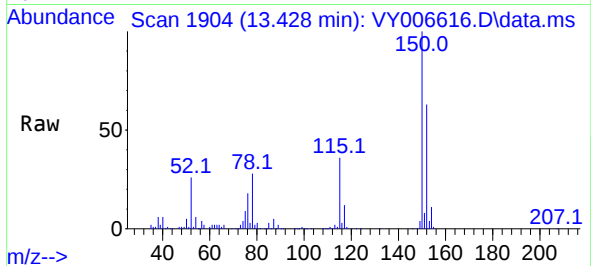




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006616.D
 Acq: 03 Nov 2021 21:03

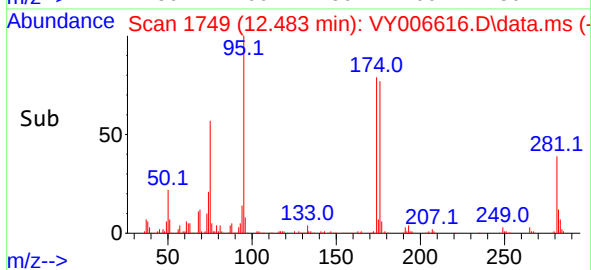
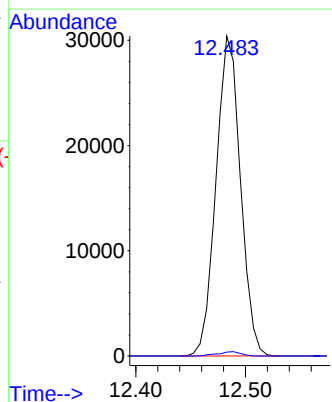
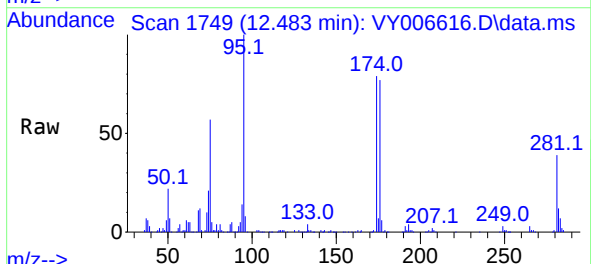
Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-20211101-WC-S

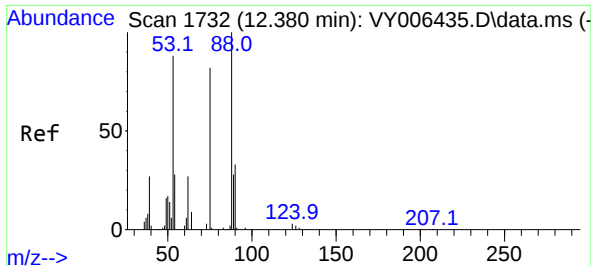
Tgt Ion:152 Resp: 68033
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.5 85.5
 150 157.0 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 67.102 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006616.D
 Acq: 03 Nov 2021 21:03

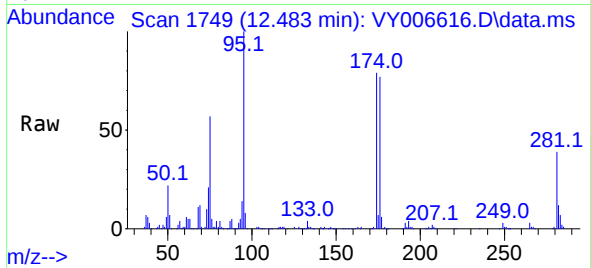
Tgt Ion: 75 Resp: 47043
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.759 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY006616.D
 Acq: 03 Nov 2021 21:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 FDR-20211101-WC-S



Tgt Ion: 75 Resp: 47043
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.7 39.3 58.9#

