

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110321\
 Data File : VY006615.D
 Acq On : 03 Nov 2021 20:39
 Operator : SY/MD
 Sample : M4436-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S15-SP

Quant Time: Nov 03 21:24:51 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)

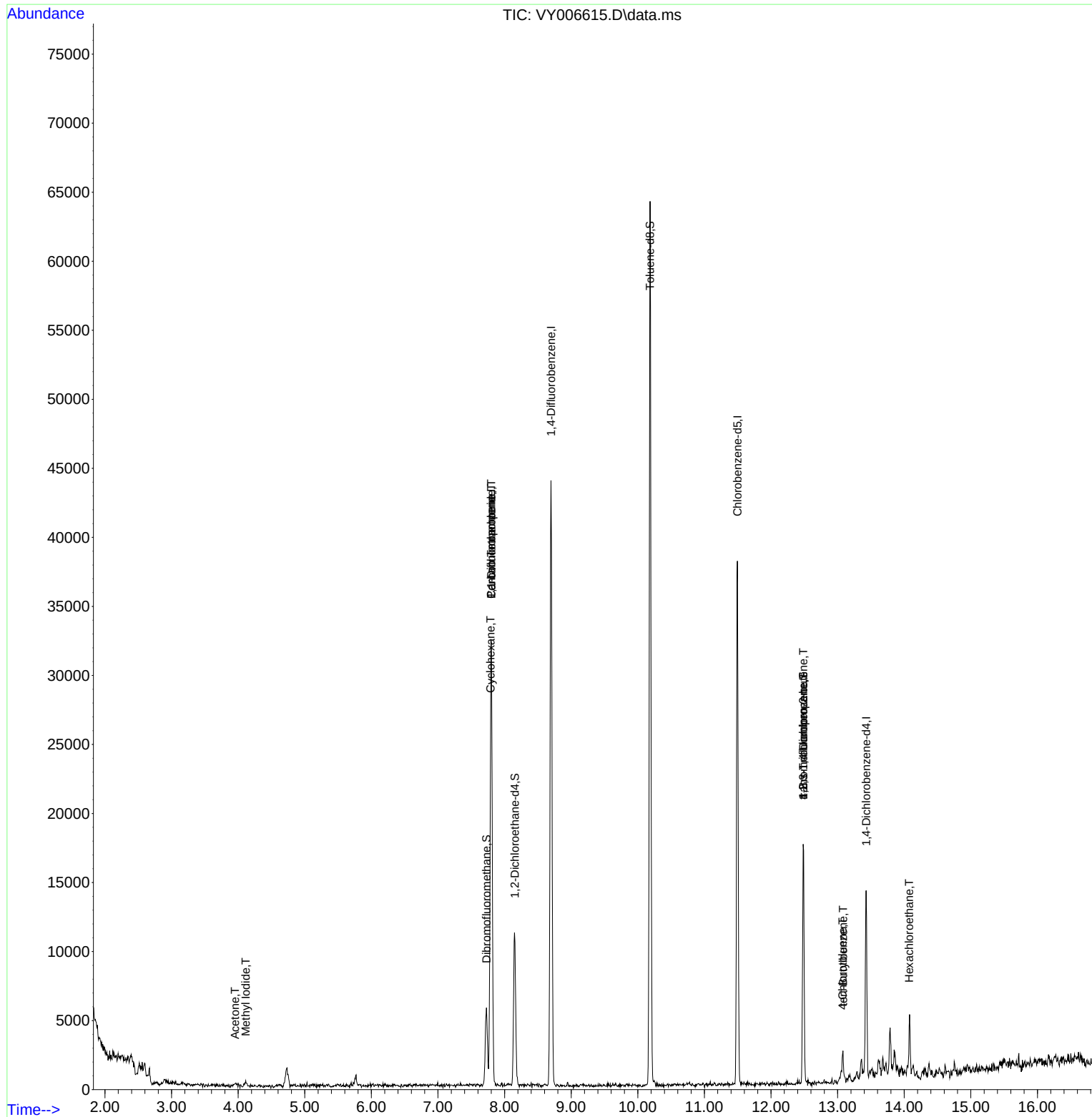
Internal Standards						
1) Pentafluorobenzene	7.801	168	24281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	34910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	19668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	9072	30.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	60.720%
35) Dibromofluoromethane	7.728	113	3896	20.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.040%#
50) Toluene-d8	10.185	98	40001	48.495	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.483	95	5049	18.171	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	36.340%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	481	6.867	ug/l #	71
16) Acetone	3.954	43	383	4.452	ug/l #	46
20) Methylene Chloride	4.729	84	908	Below Cal	#	85
31) Cyclohexane	7.789	56	639	1.321	ug/l #	49
36) 1,1-Dichloropropene	7.801	75	2187	6.340	ug/l #	48
38) Carbon Tetrachloride	7.801	117	2440	6.412	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	2952	85.590	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2952	175.713	ug/l #	7
82) 4-Chlorotoluene	13.075	91	600	3.595	ug/l #	41
83) tert-Butylbenzene	13.081	119	963	5.716	ug/l	93
90) Hexachloroethane	14.074	117	70	1.796	ug/l #	6

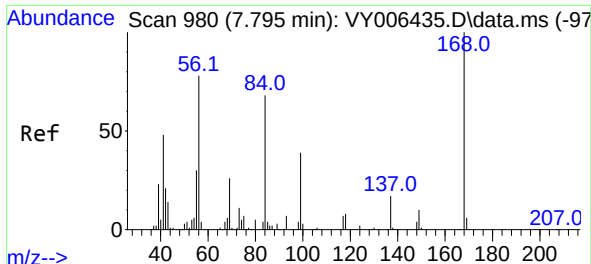
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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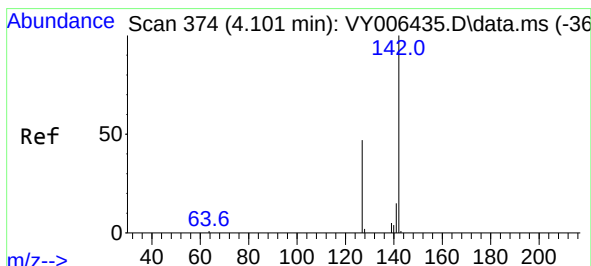
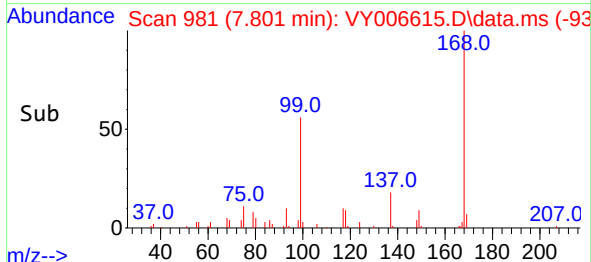
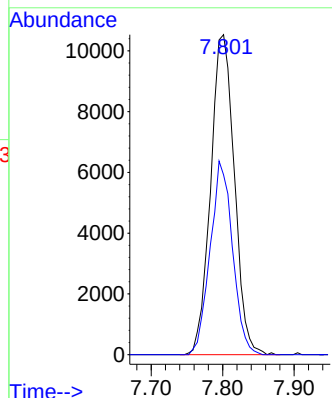
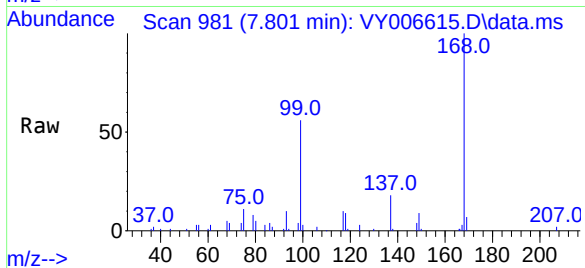




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

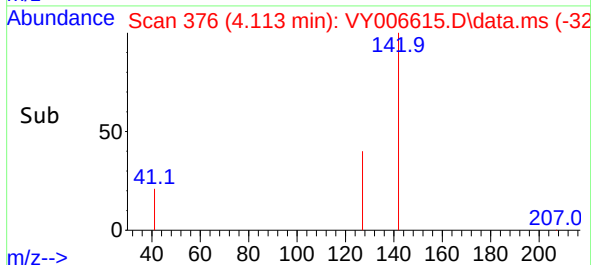
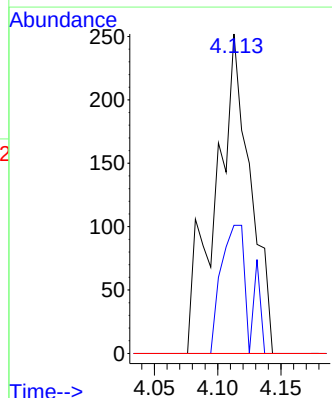
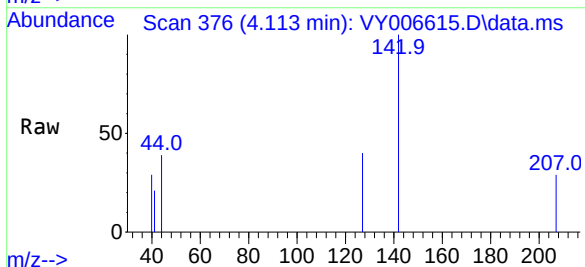
Instrument :
MSVOA_Y
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S15-SP

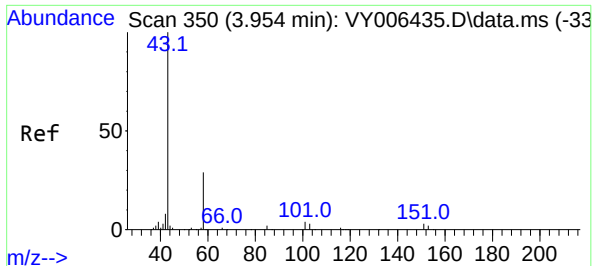
Tgt Ion:168 Resp: 24281
Ion Ratio Lower Upper
168 100
99 56.2 44.8 67.2



#10
Methyl Iodide
Concen: 6.867 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion:142 Resp: 481
Ion Ratio Lower Upper
142 100
127 32.0 40.1 60.1#
141 0.0 12.5 18.7#

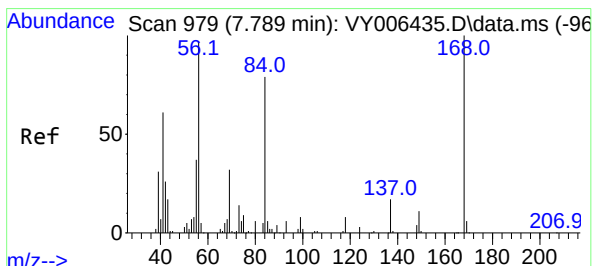
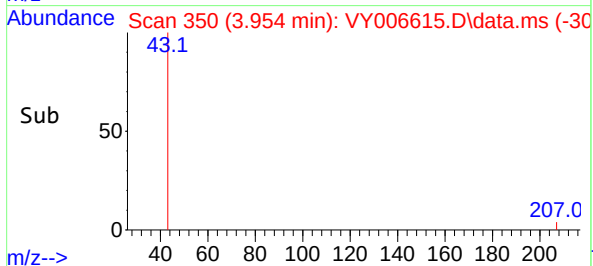
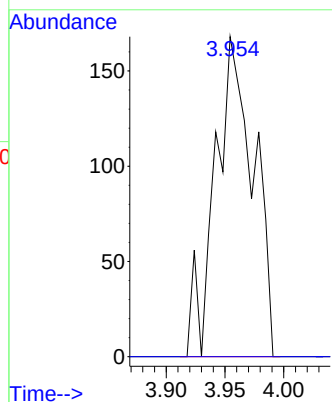
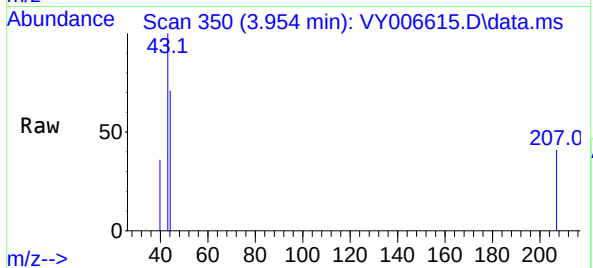




#16
Acetone
Concen: 4.452 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

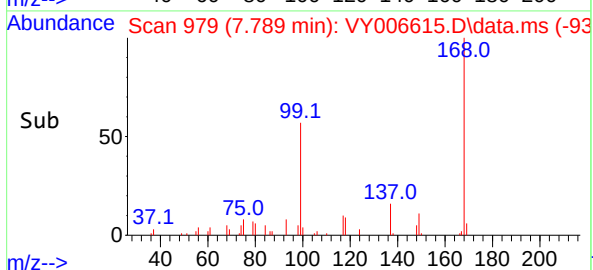
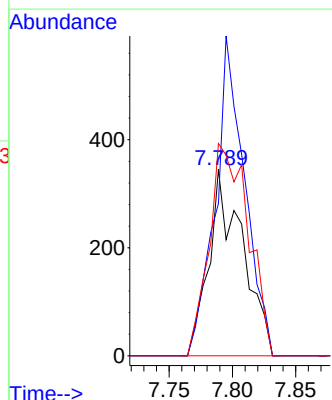
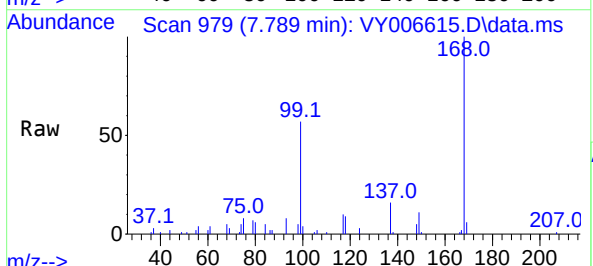
Instrument :
MSVOA_Y
ClientSampleId :
S15-SP

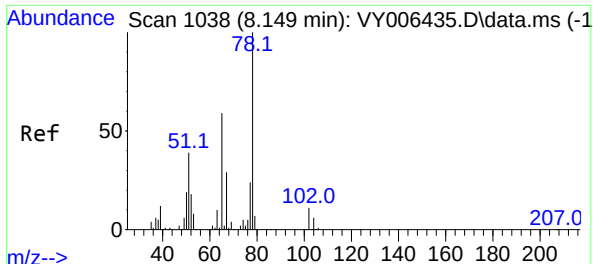
Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion: 56 Resp: 639
Ion Ratio Lower Upper
56 100
69 81.7 26.6 40.0#
84 113.9 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 30.362 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY006615.D

Acq: 03 Nov 2021 20:39

Instrument :

MSVOA_Y

ClientSampleId :

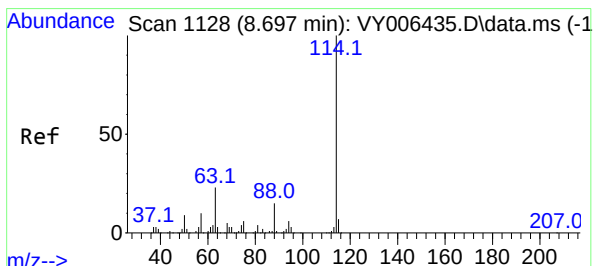
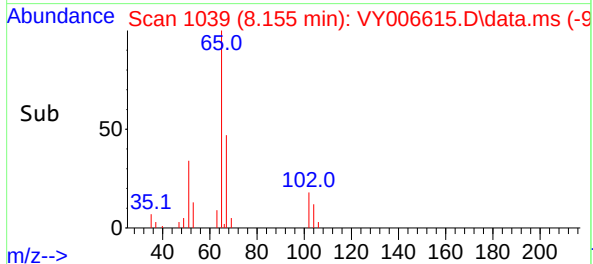
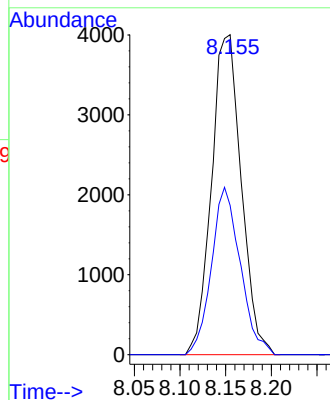
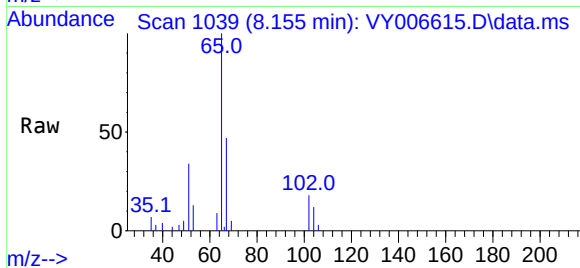
S15-SP

Tgt Ion: 65 Resp: 9072

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: VY006615.D

Acq: 03 Nov 2021 20:39

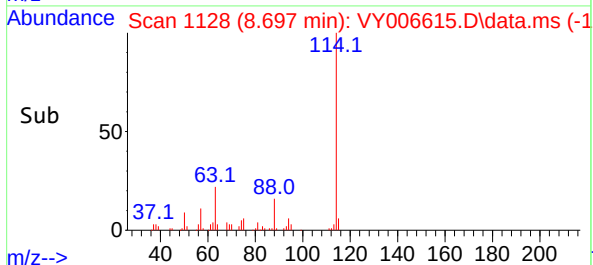
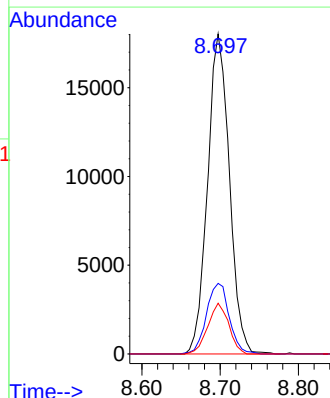
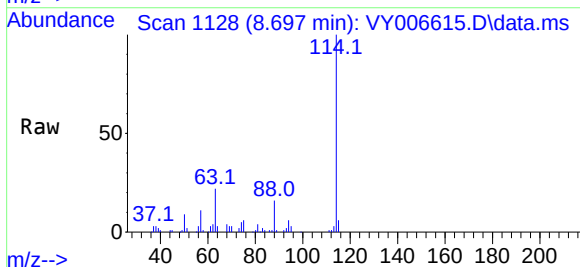
Tgt Ion: 114 Resp: 34910

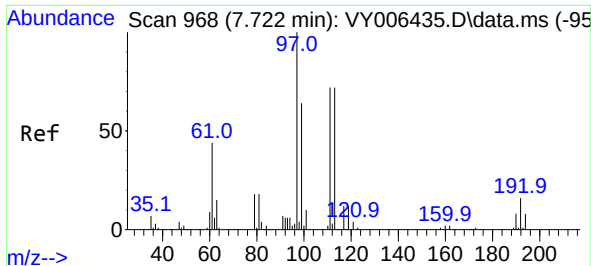
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 15.8 0.0 30.6

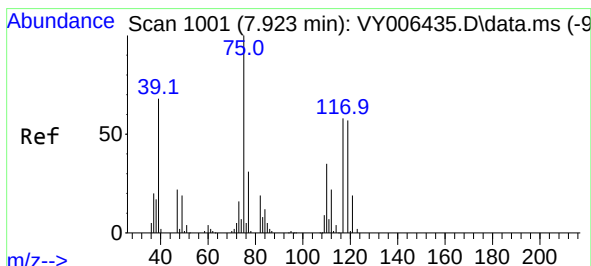
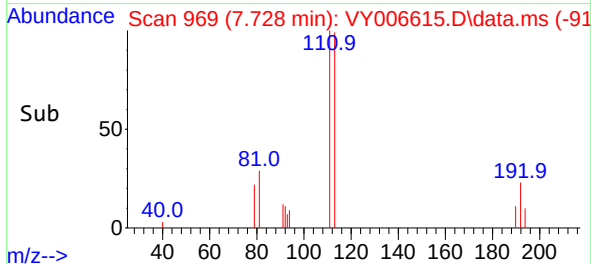
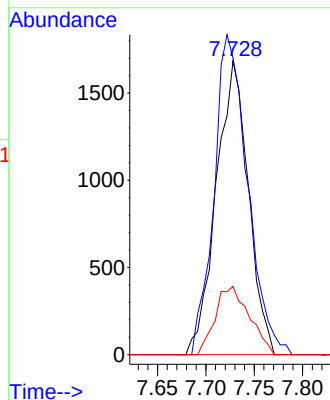
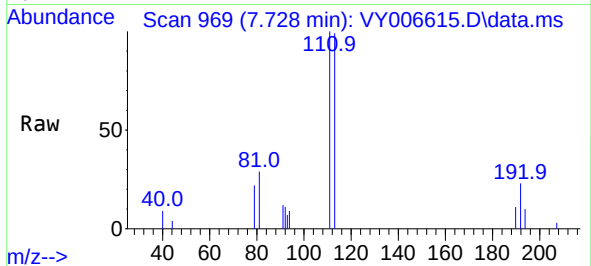




#35
Dibromofluoromethane
Concen: 20.023 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

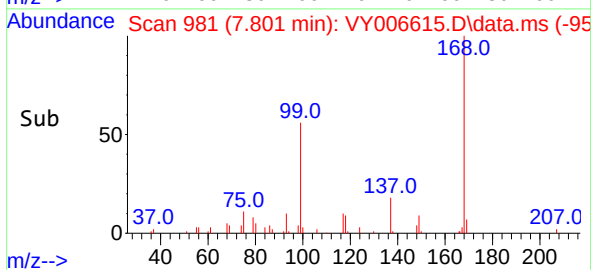
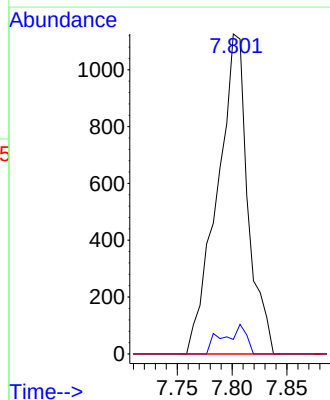
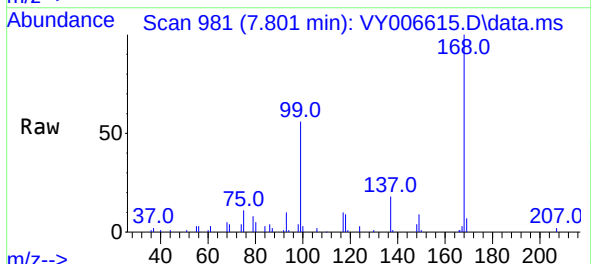
Instrument :
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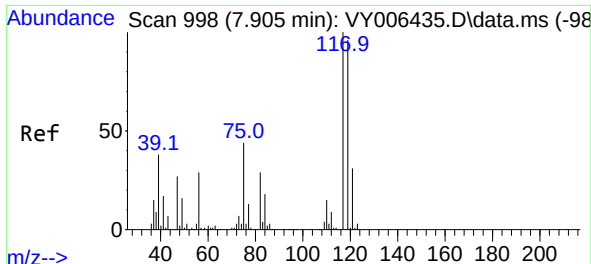
Tgt Ion:113 Resp: 3896
Ion Ratio Lower Upper
113 100
111 113.1 82.3 123.5
192 24.6 17.4 26.2



#36
1,1-Dichloropropene
Concen: 6.340 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion: 75 Resp: 2187
Ion Ratio Lower Upper
75 100
110 6.8 17.1 51.3#
77 0.0 24.9 37.3#

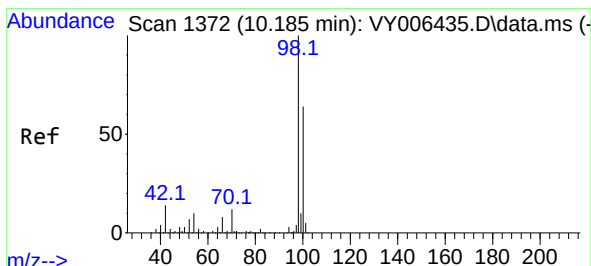
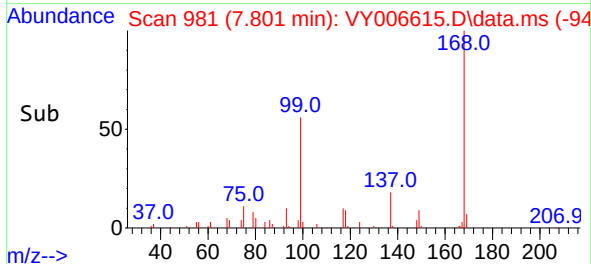
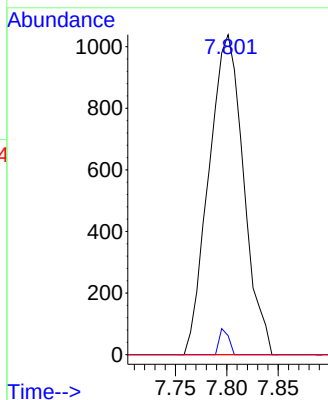
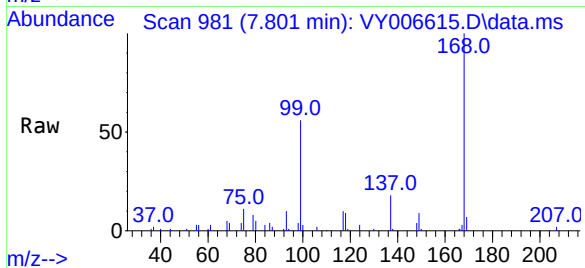




#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

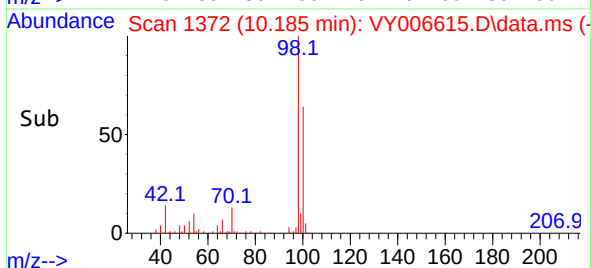
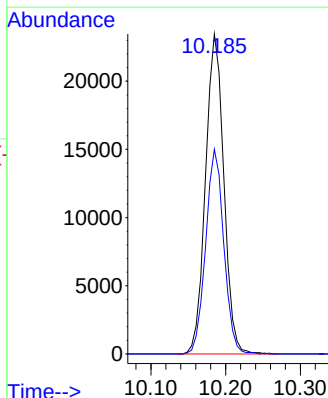
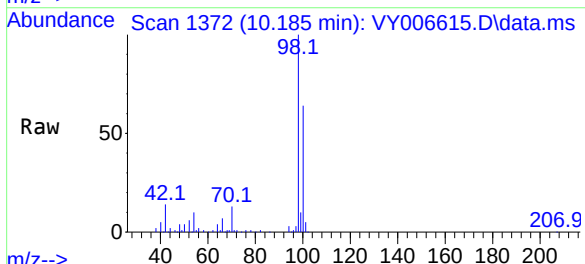
Instrument :
MSVOA_Y
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S15-SP

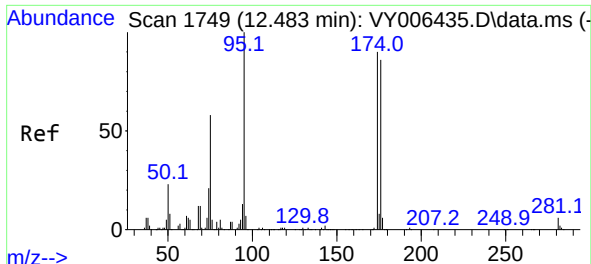
Tgt Ion:117 Resp: 2440
Ion Ratio Lower Upper
117 100
119 6.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.495 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion: 98 Resp: 40001
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

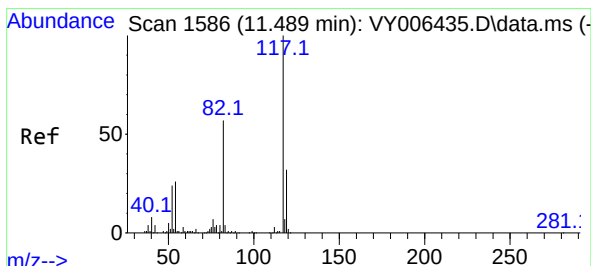
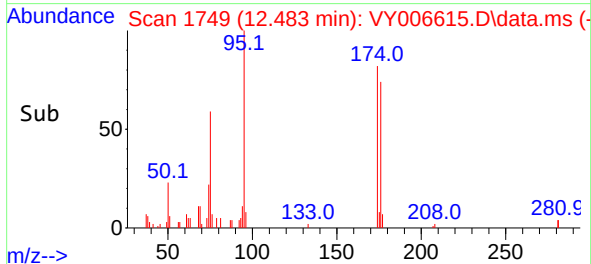
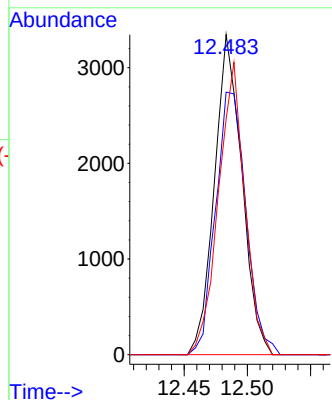
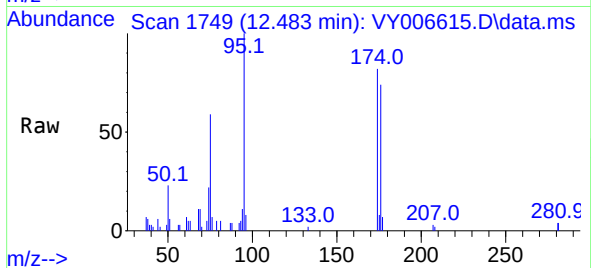




#62
4-Bromofluorobenzene
Concen: 18.171 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

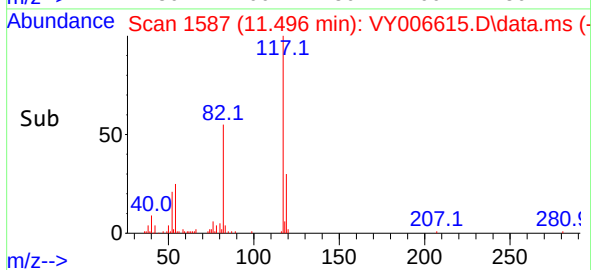
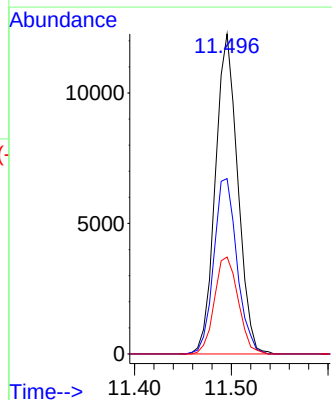
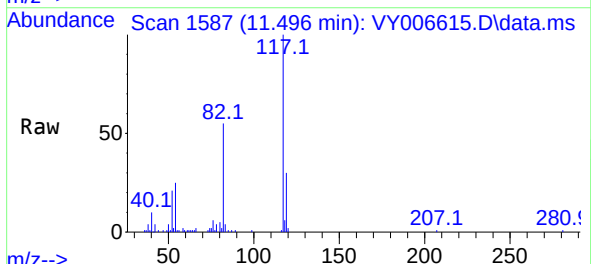
Instrument :
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S15-SP

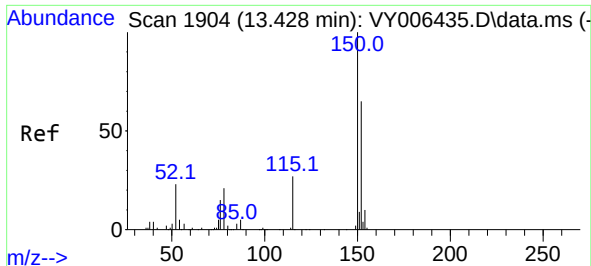
Tgt Ion: 95 Resp: 5049
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.0
176 87.8 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion: 117 Resp: 19668
Ion Ratio Lower Upper
117 100
82 54.8 45.7 68.5
119 30.3 25.5 38.3

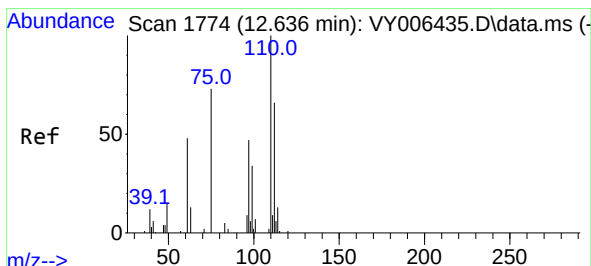
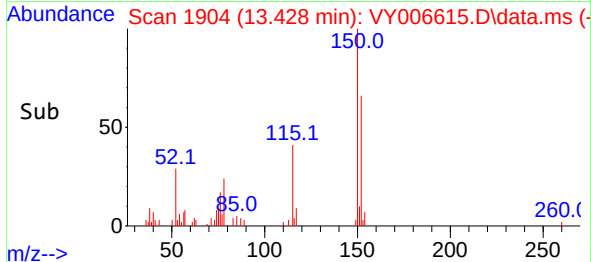
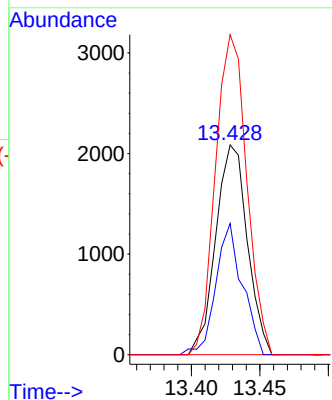
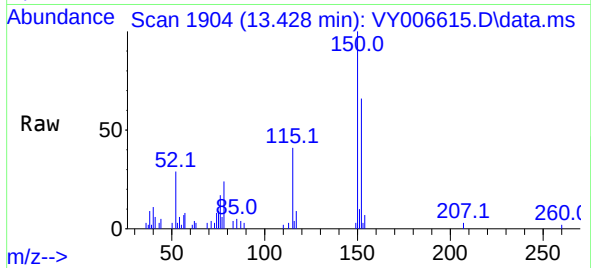




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006615.D
 Acq: 03 Nov 2021 20:39

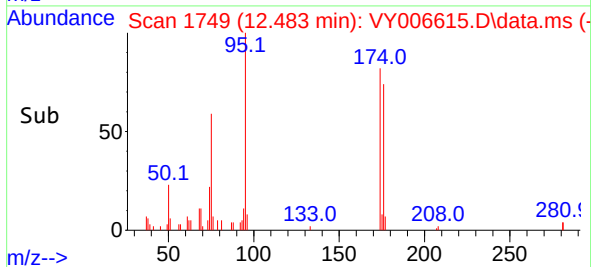
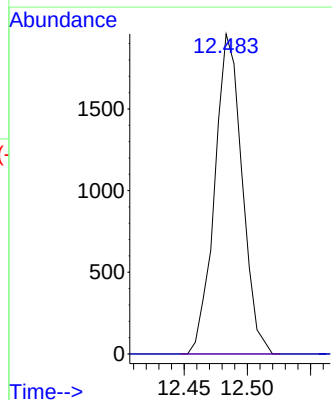
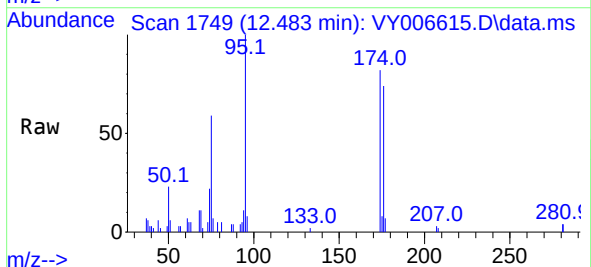
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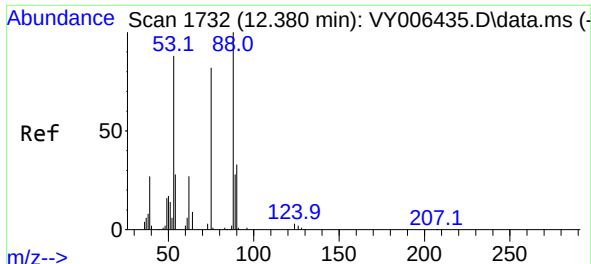
Tgt Ion:152 Resp: 3347
 Ion Ratio Lower Upper
 152 100
 115 52.5 28.5 85.5
 150 150.8 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 85.590 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006615.D
 Acq: 03 Nov 2021 20:39

Tgt Ion: 75 Resp: 2952
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

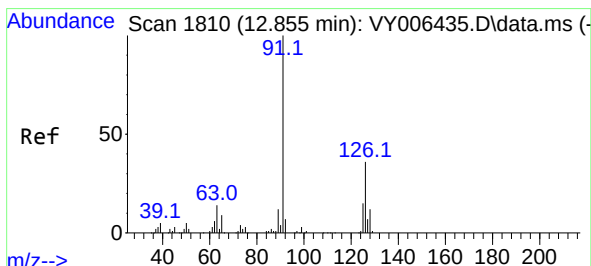
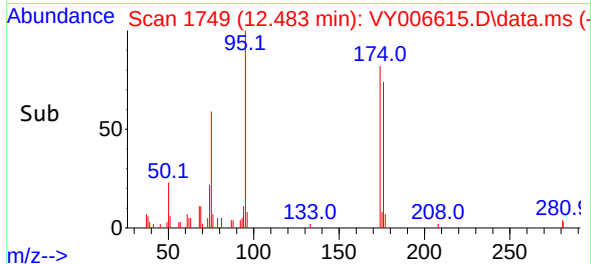
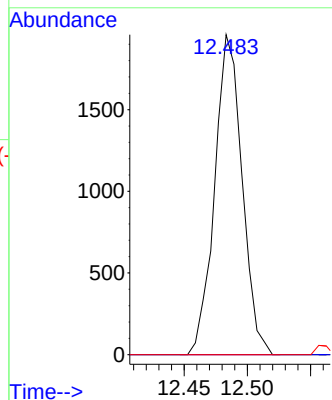
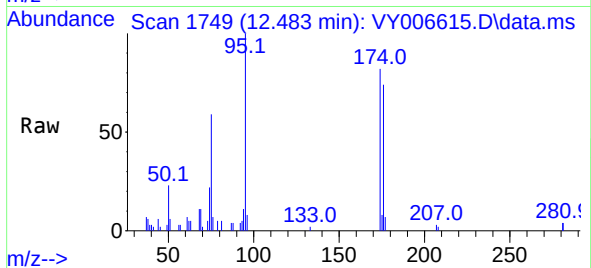




#81
trans-1,4-Dichloro-2-butene
Concen: 175.713 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

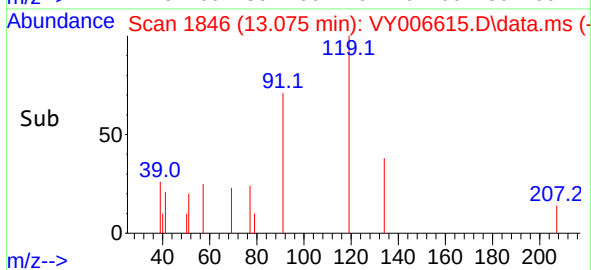
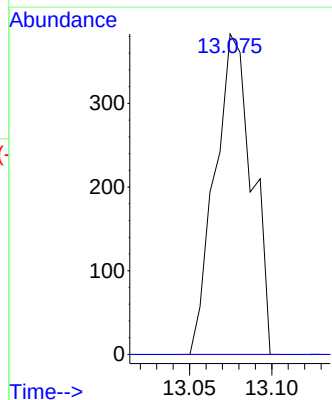
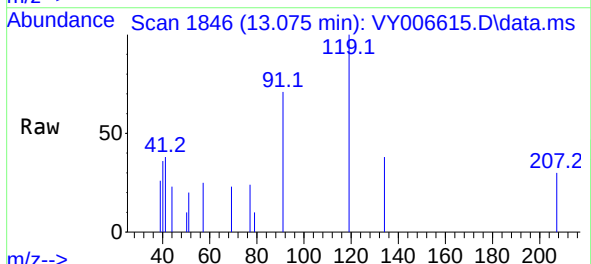
Instrument :
MSVOA_Y
ClientSampleId :
S15-SP

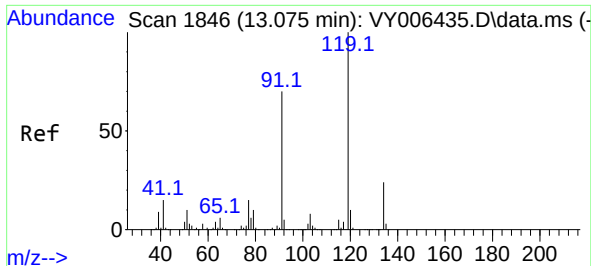
Tgt Ion: 75 Resp: 2952
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 3.595 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.220 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion: 91 Resp: 600
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

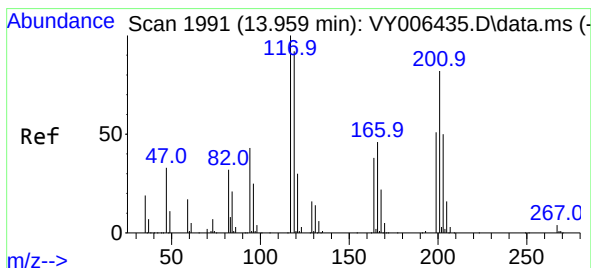
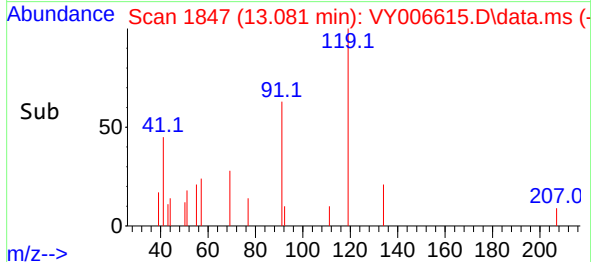
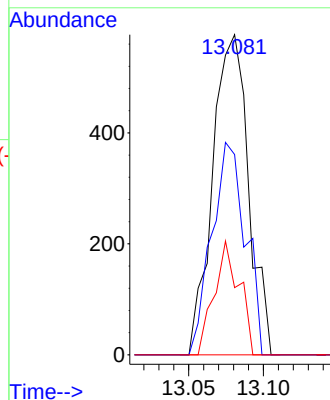
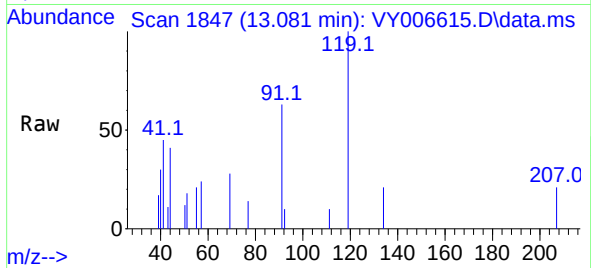




#83
tert-Butylbenzene
Concen: 5.716 ug/l
RT: 13.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Instrument :
MSVOA_Y
ClientSampleId :
S15-SP

Tgt Ion:119 Resp: 963
Ion Ratio Lower Upper
119 100
91 62.3 34.8 104.5
134 24.7 13.0 38.9



#90
Hexachloroethane
Concen: 1.796 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. 0.116 min
Lab File: VY006615.D
Acq: 03 Nov 2021 20:39

Tgt Ion:117 Resp: 70
Ion Ratio Lower Upper
117 100
201 0.0 43.4 130.1#

