

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111821\
 Data File : VY006814.D
 Acq On : 18 Nov 2021 18:08
 Operator : SY/MD
 Sample : M4762-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251674

Quant Time: Nov 19 05:35:15 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)

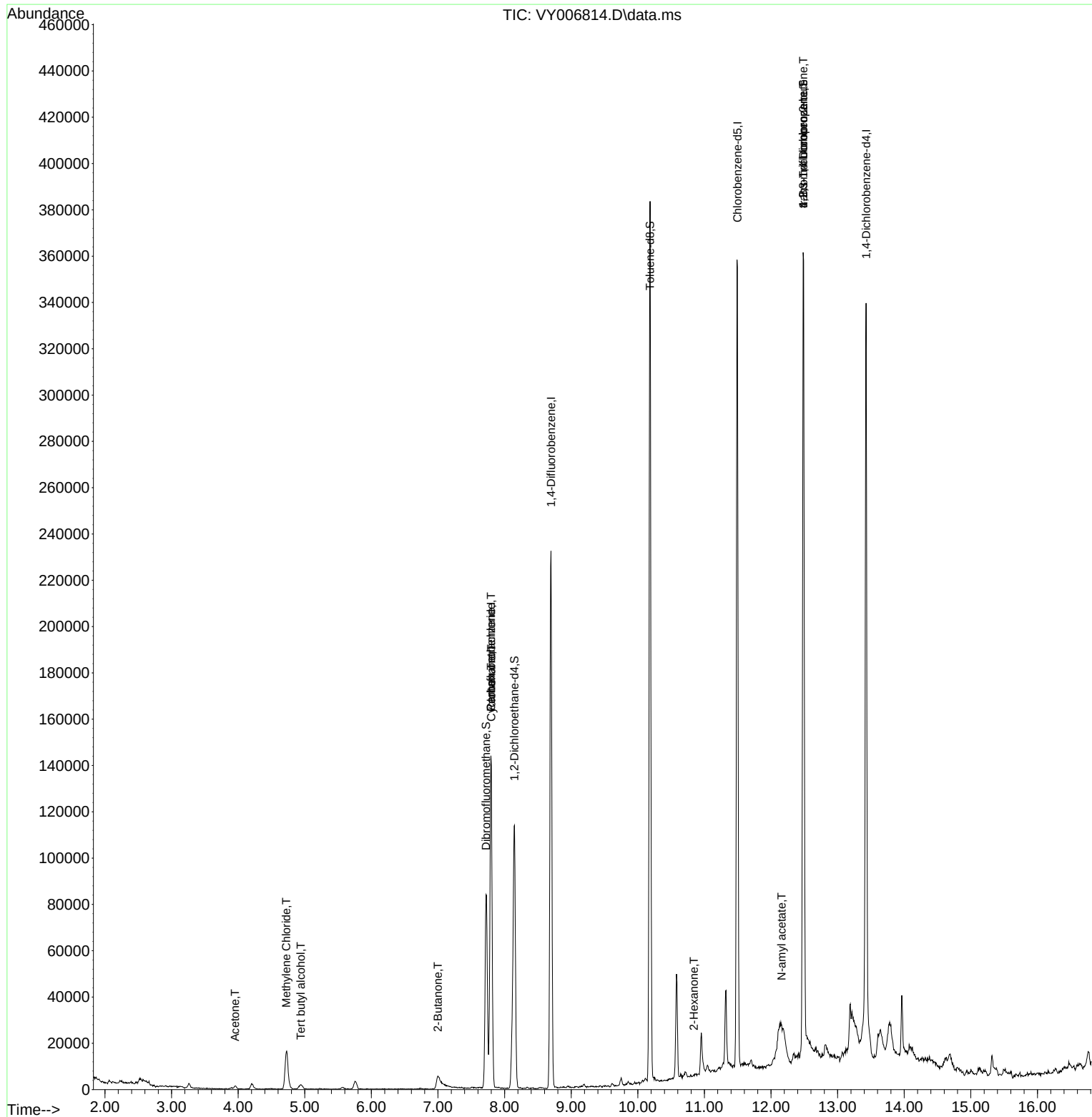
Internal Standards						
1) Pentafluorobenzene	7.795	168	106422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	181233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	171846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79298	56.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.700%			
35) Dibromofluoromethane	7.722	113	57613	51.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.500%			
50) Toluene-d8	10.185	98	234271	50.856	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.483	95	78802	50.742	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	2753	13.125	ug/l #	72
16) Acetone	3.954	43	2329	5.496	ug/l	98
20) Methylene Chloride	4.722	84	11279	5.897	ug/l	92
25) 2-Butanone	6.996	43	797	12.734	ug/l #	52
31) Cyclohexane	7.801	56	2971	1.212	ug/l #	30
38) Carbon Tetrachloride	7.795	117	10982	5.450	ug/l #	16
59) 2-Hexanone	10.843	43	120	23.930	ug/l #	28
74) N-amyl acetate	12.160	43	353	3.326	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	45192	59.062	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45192	117.029	ug/l #	7

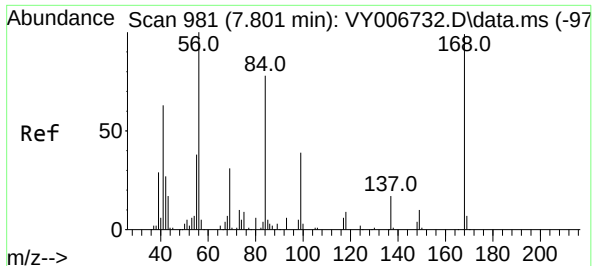
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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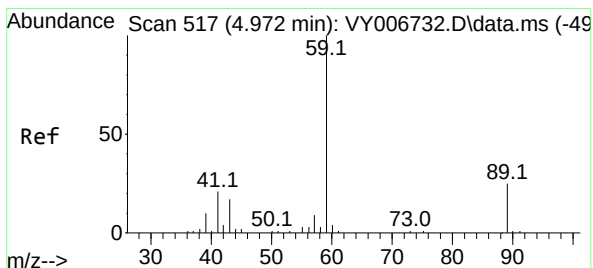
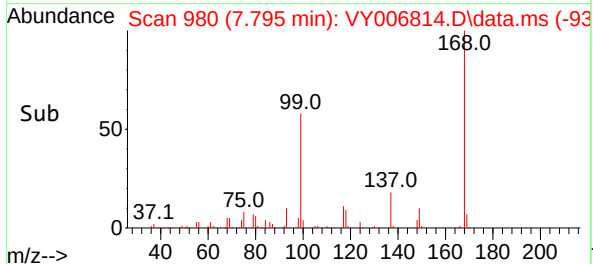
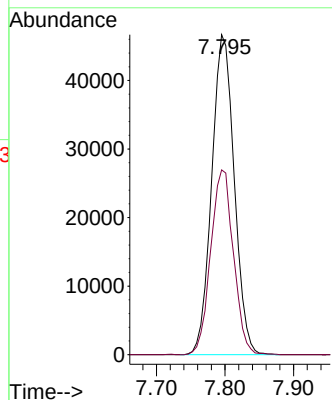
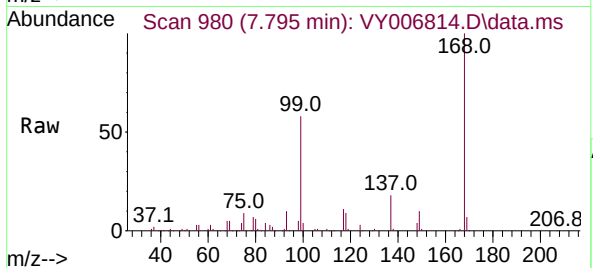




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

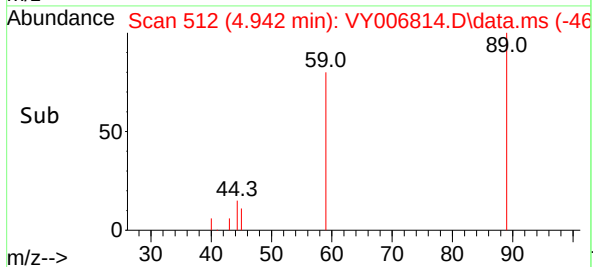
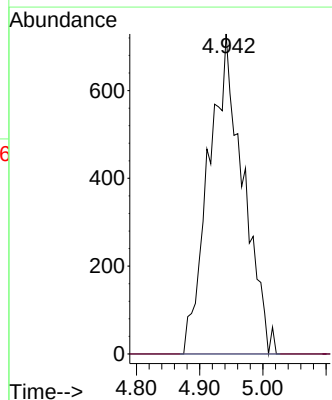
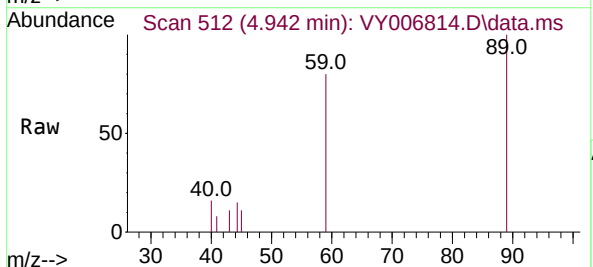
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251674

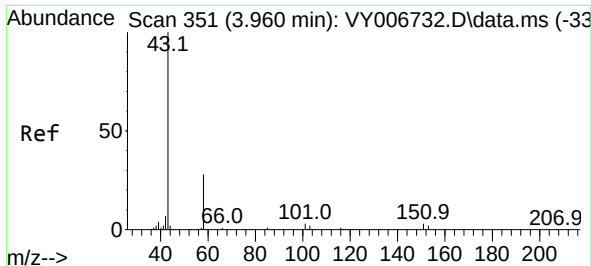
Tgt Ion:168 Resp: 106422
Ion Ratio Lower Upper
168 100
99 57.8 44.8 67.2



#11
Tert butyl alcohol
Concen: 13.125 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion: 59 Resp: 2753
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 5.496 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

Instrument :

MSVOA_Y

ClientSampleId :

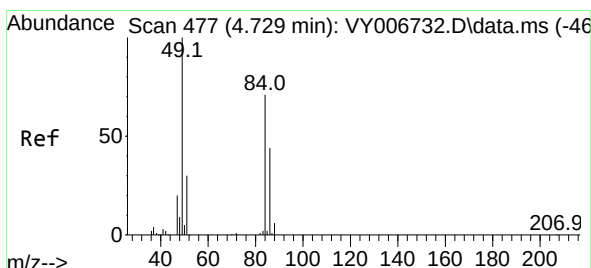
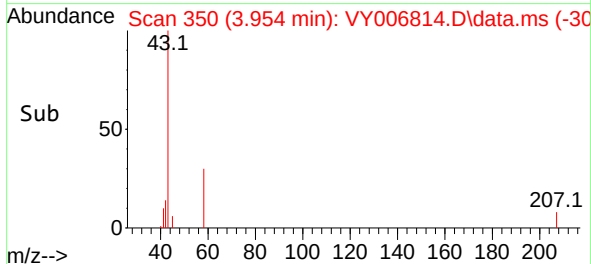
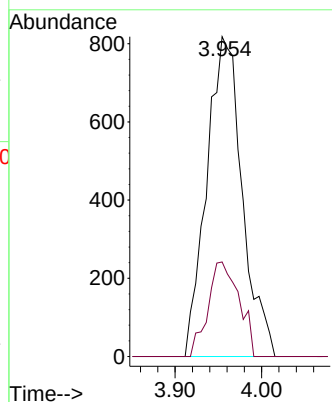
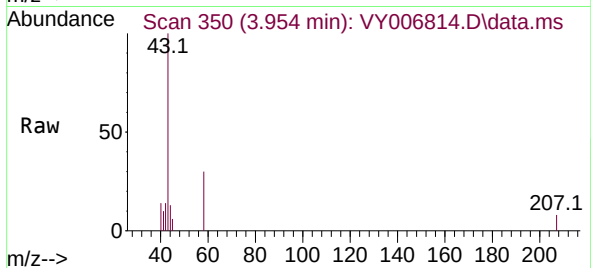
RBR-251674

Tgt Ion: 43 Resp: 2329

Ion Ratio Lower Upper

43 100

58 29.6 22.9 34.3



#20

Methylene Chloride

Concen: 5.897 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

Tgt Ion: 84 Resp: 11279

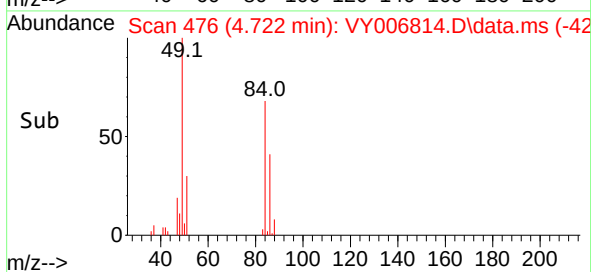
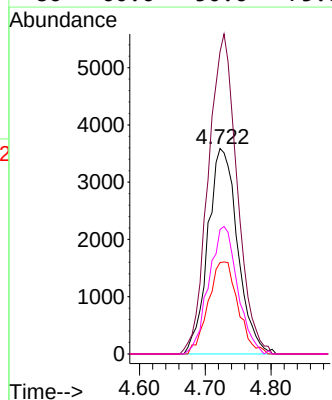
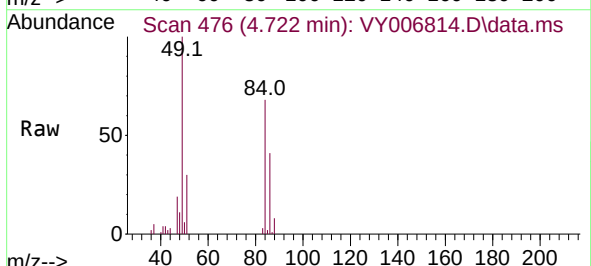
Ion Ratio Lower Upper

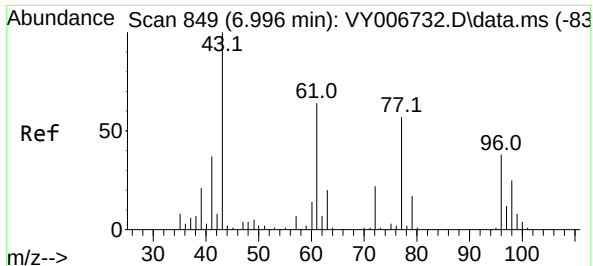
84 100

49 147.1 107.8 161.8

51 44.5 32.8 49.2

86 60.6 50.6 75.8





#25

2-Butanone

Concen: 12.734 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

Instrument :

MSVOA_Y

ClientSampleId :

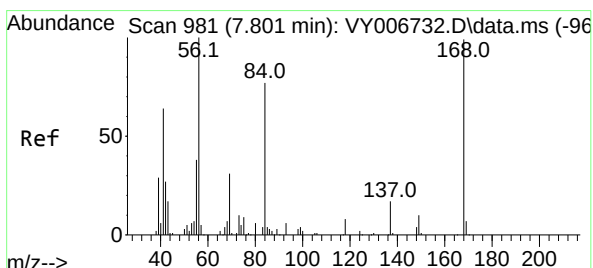
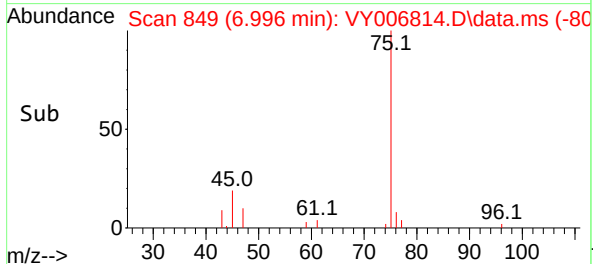
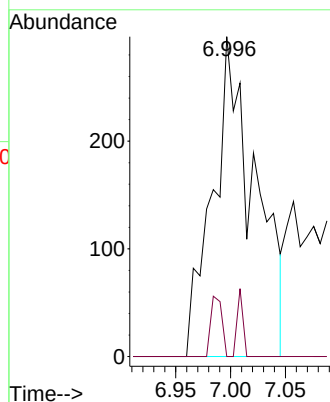
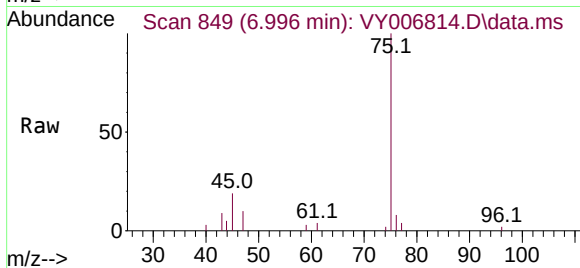
RBR-251674

Tgt Ion: 43 Resp: 797

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

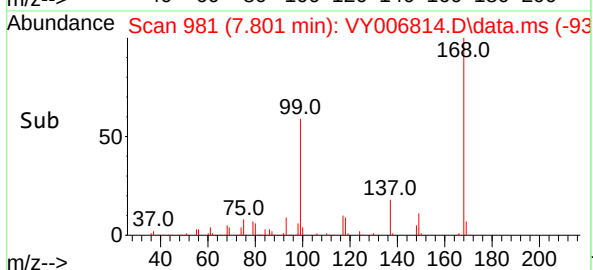
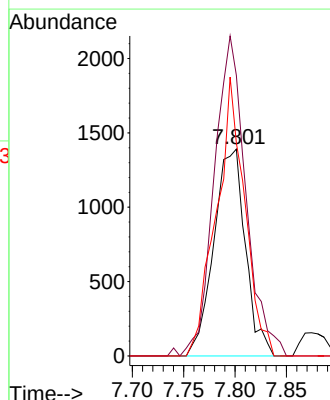
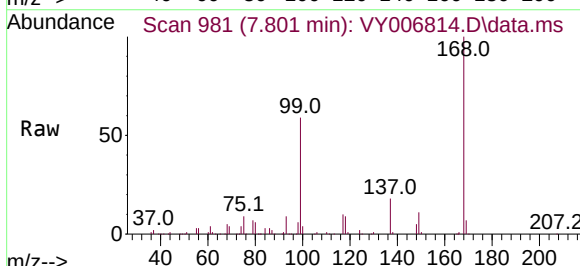
Tgt Ion: 56 Resp: 2971

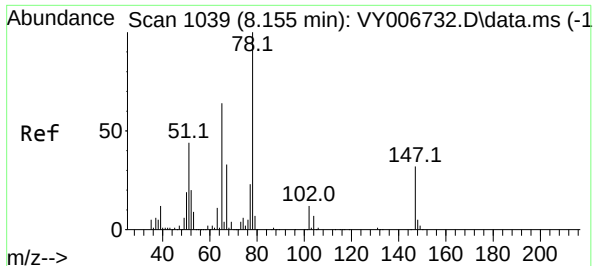
Ion Ratio Lower Upper

56 100

69 135.7 26.6 40.0#

84 102.9 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 56.853 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

Instrument :

MSVOA_Y

ClientSampleId :

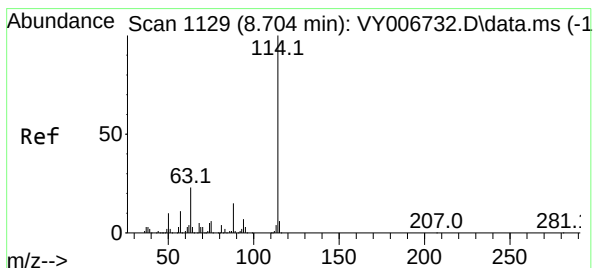
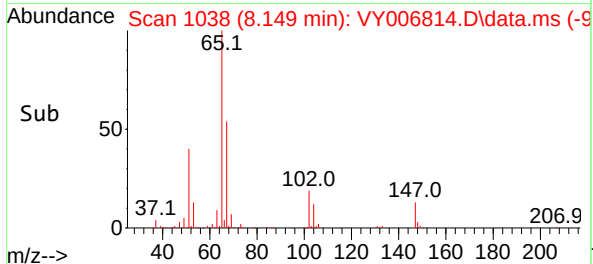
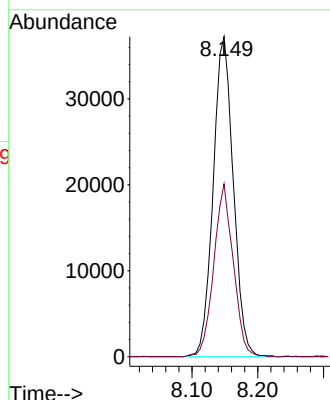
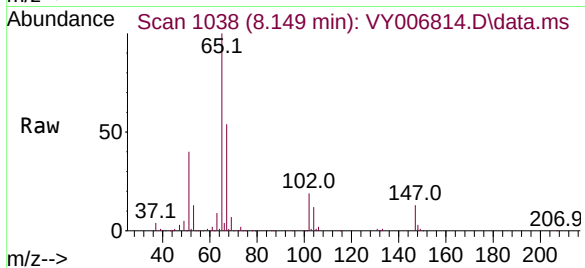
RBR-251674

Tgt Ion: 65 Resp: 79298

Ion Ratio Lower Upper

65 100

67 52.3 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006814.D

Acq: 18 Nov 2021 18:08

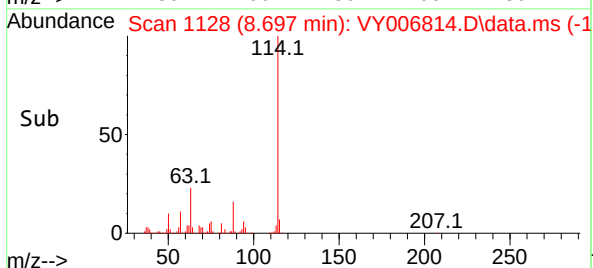
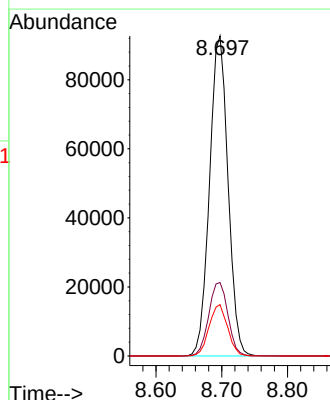
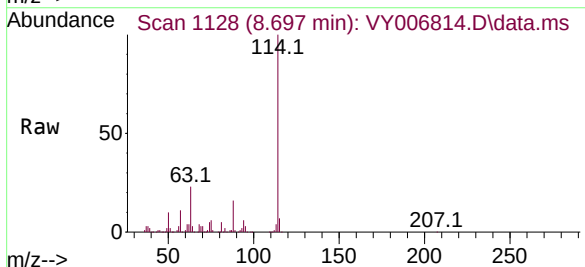
Tgt Ion: 114 Resp: 181233

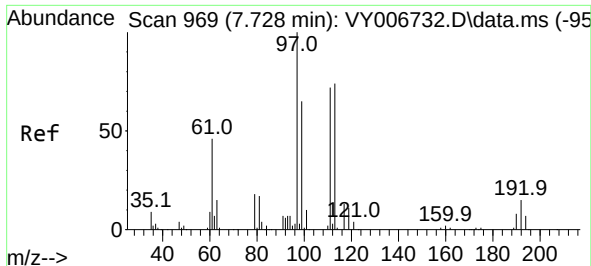
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

88 16.0 0.0 30.6

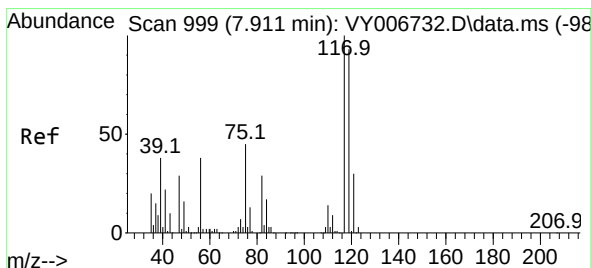
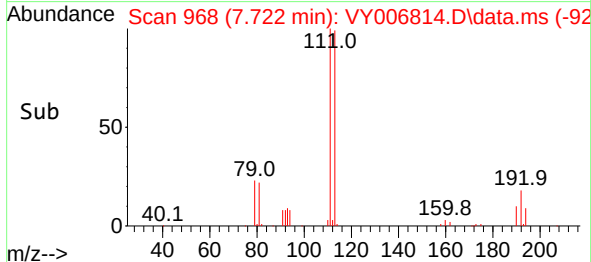
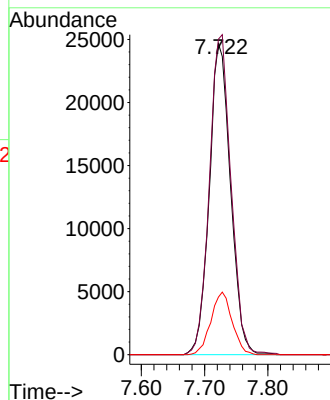
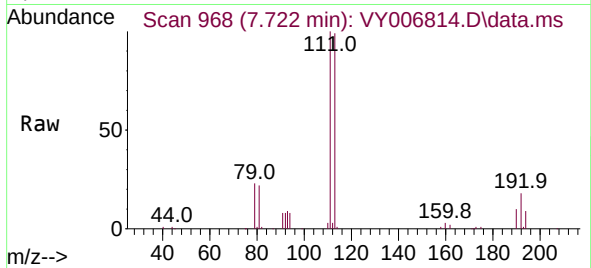




#35
Dibromofluoromethane
Concen: 51.754 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

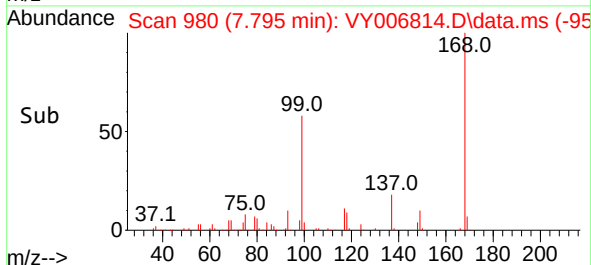
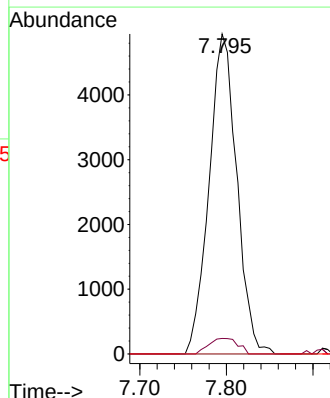
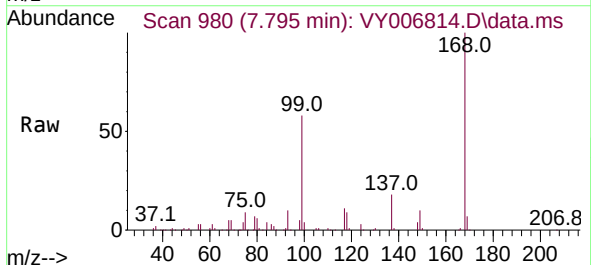
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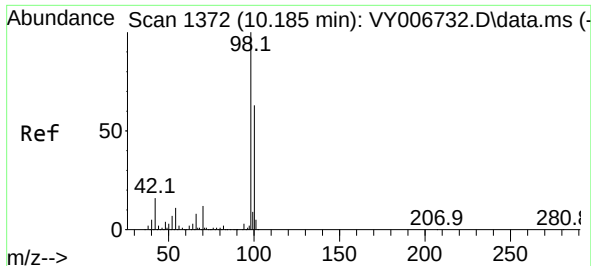
Tgt Ion:113 Resp: 57613
Ion Ratio Lower Upper
113 100
111 104.7 82.3 123.5
192 20.1 17.4 26.2



#38
Carbon Tetrachloride
Concen: 5.450 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion:117 Resp: 10982
Ion Ratio Lower Upper
117 100
119 4.8 76.6 115.0#
121 0.0 24.7 37.1#

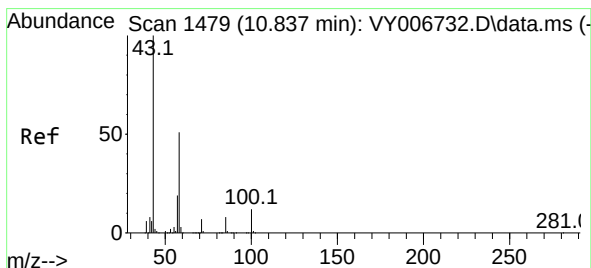
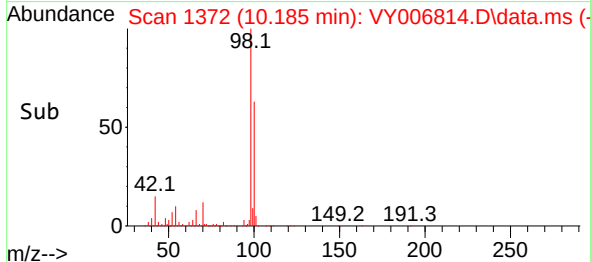
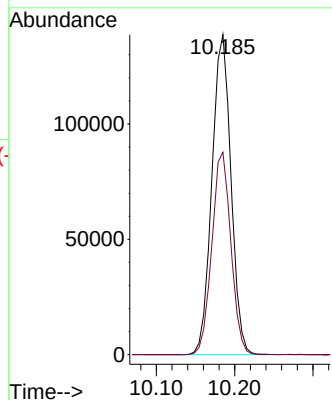
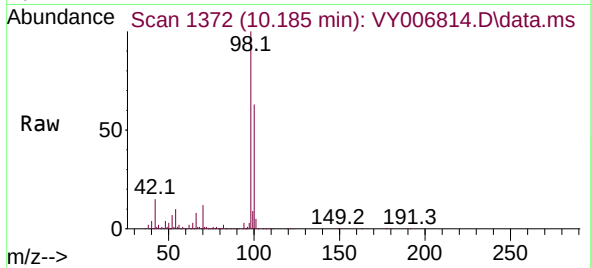




#50
Toluene-d8
Concen: 50.856 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

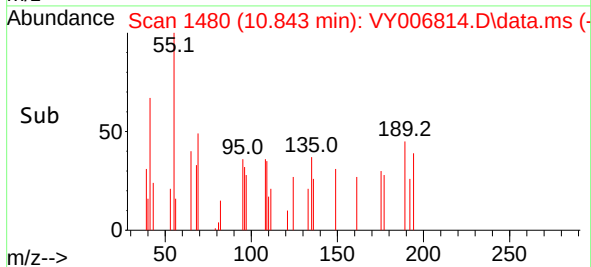
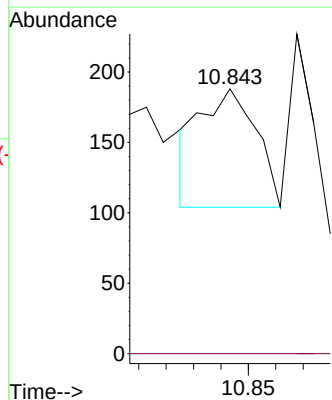
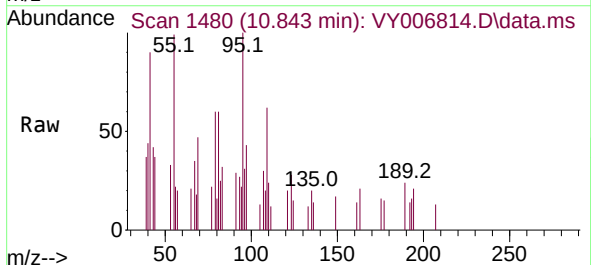
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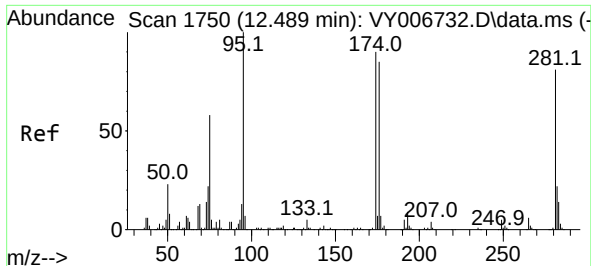
Tgt Ion: 98 Resp: 234271
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#59
2-Hexanone
Concen: 23.930 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#

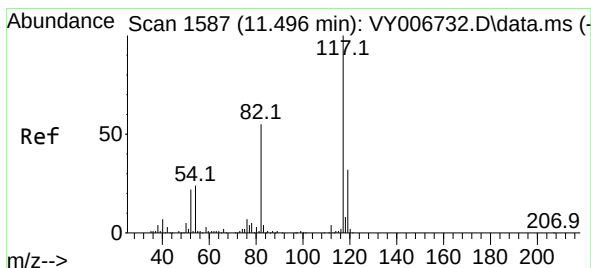
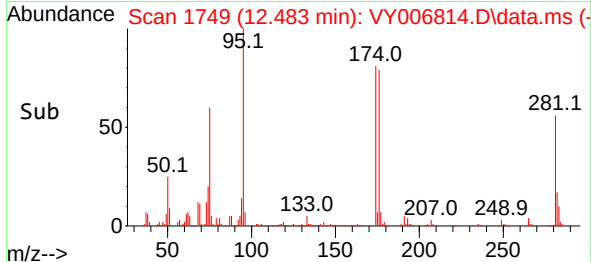
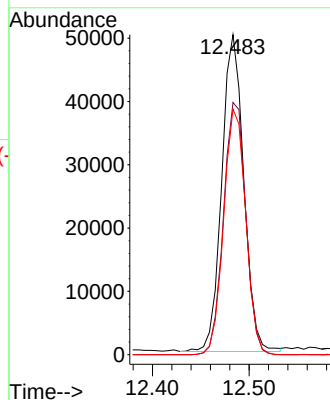
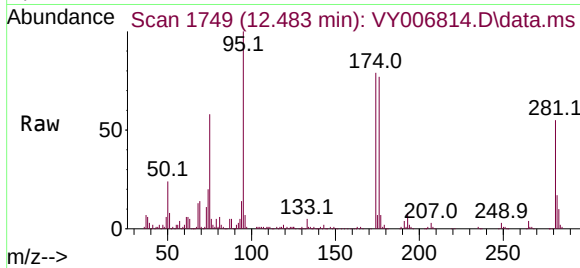




#62
4-Bromofluorobenzene
Concen: 50.742 ug/l
RT: 12.483 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

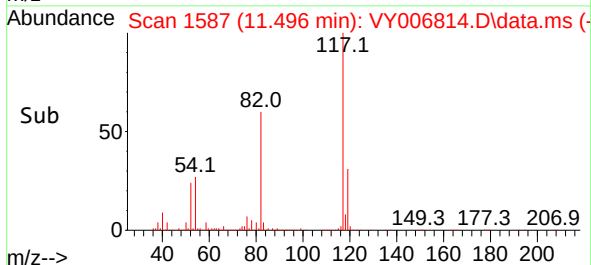
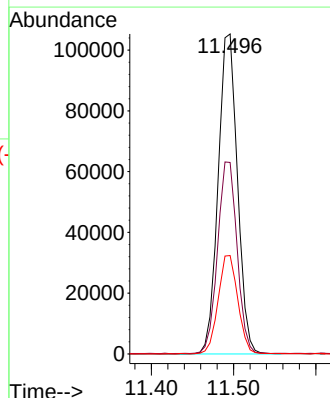
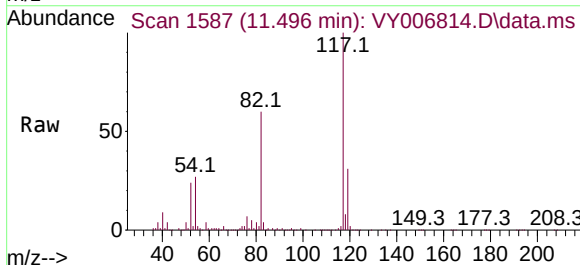
Instrument :
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ClientSampleId :
RBR-251674

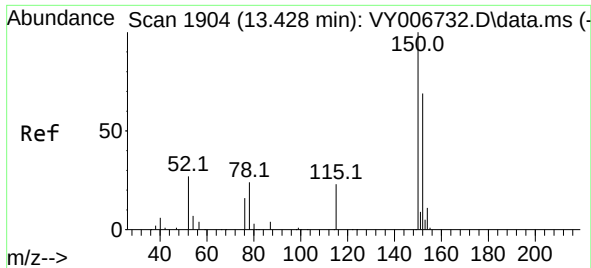
Tgt Ion: 95 Resp: 78802
Ion Ratio Lower Upper
95 100
174 80.6 0.0 177.0
176 77.7 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion: 117 Resp: 171846
Ion Ratio Lower Upper
117 100
82 59.7 45.7 68.5
119 30.6 25.5 38.3

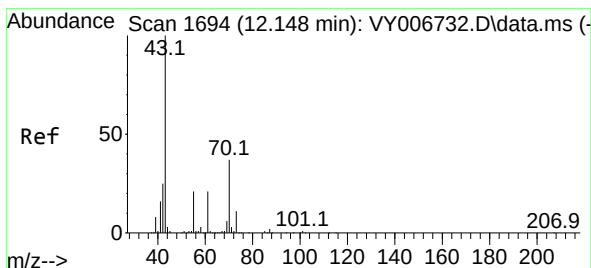
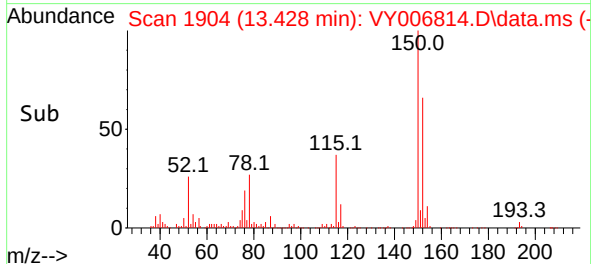
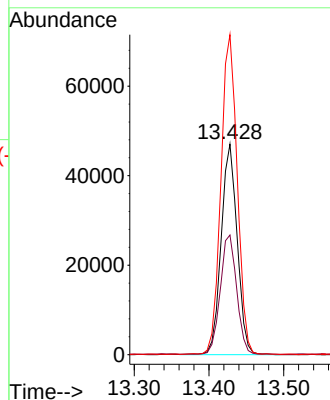
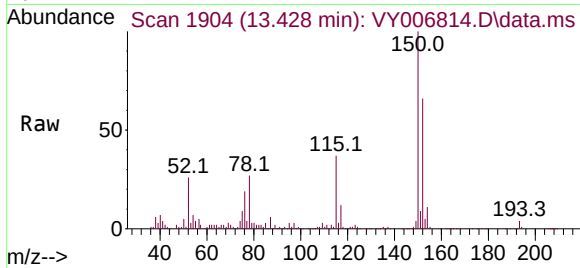




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

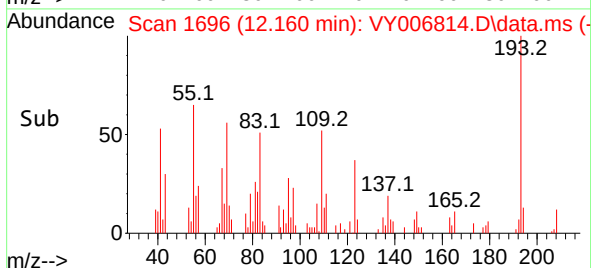
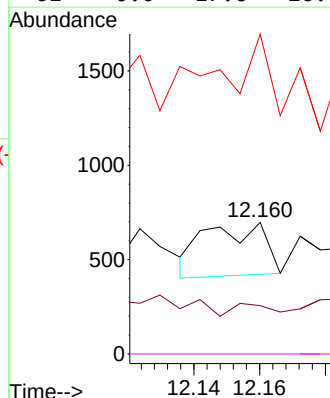
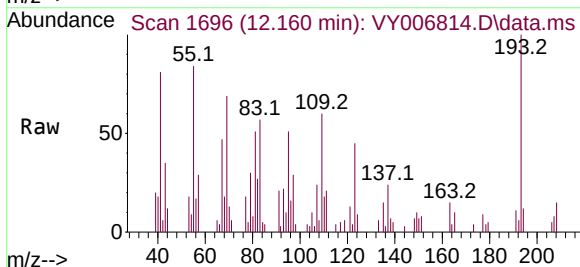
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251674

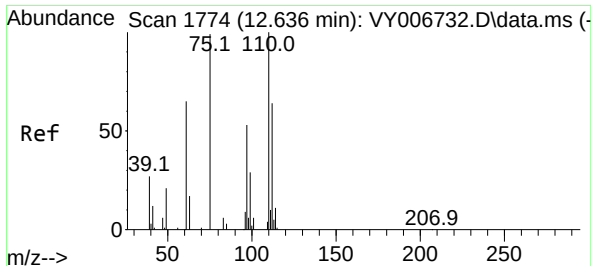
Tgt Ion:152 Resp: 70378
Ion Ratio Lower Upper
152 100
115 58.1 28.5 85.5
150 154.4 0.0 348.2



#74
N-ethyl acetate
Concen: 3.326 ug/l
RT: 12.160 min Scan# 1696
Delta R.T. 0.012 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.0#
55 0.0 18.1 27.1#
61 0.0 17.6 26.4#

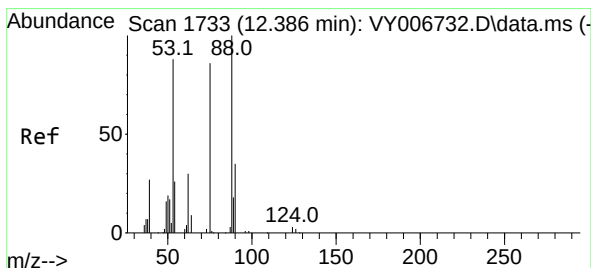
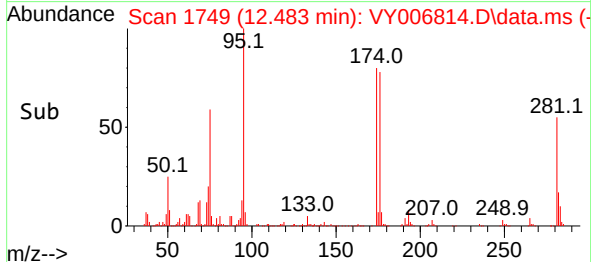
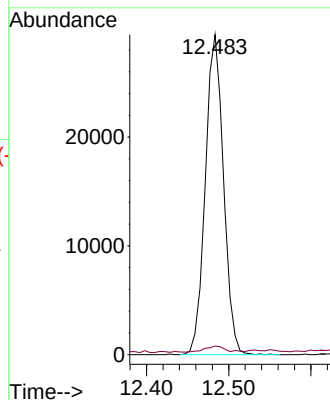
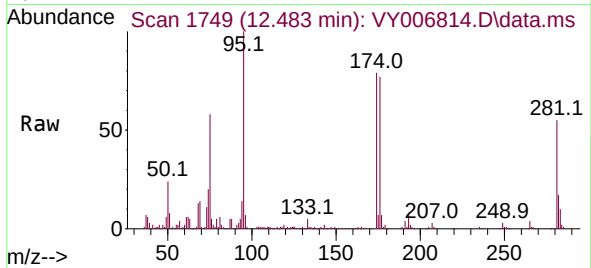




#76
1,2,3-Trichloropropane
Concen: 59.062 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251674

Tgt Ion: 75 Resp: 45192
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.029 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY006814.D
Acq: 18 Nov 2021 18:08

Tgt Ion: 75 Resp: 45192
Ion Ratio Lower Upper
75 100
53 0.5 85.8 128.6#
89 0.6 39.3 58.9#

