

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111821\
 Data File : VY006813.D
 Acq On : 18 Nov 2021 17:44
 Operator : SY/MD
 Sample : M4766-07
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-27165

Quant Time: Nov 19 05:35:05 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)

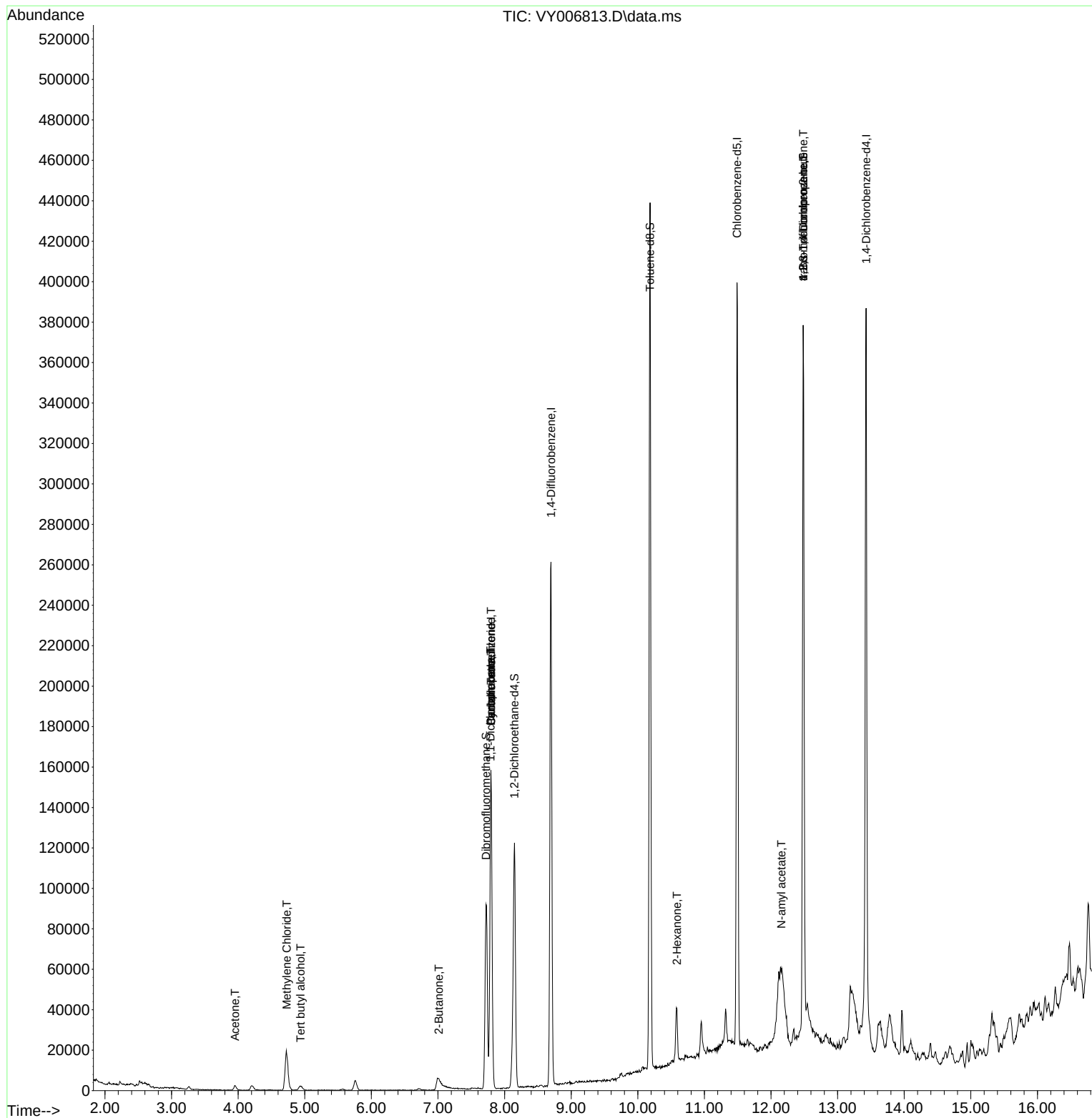
Internal Standards						
1) Pentafluorobenzene	7.795	168	115002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	200589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88338	58.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.220%	
35) Dibromofluoromethane	7.722	113	63548	51.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.160%	
50) Toluene-d8	10.185	98	262711	51.526	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.483	95	86291	50.203	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2865	12.639	ug/l #	72
16) Acetone	3.954	43	4362	9.525	ug/l #	87
20) Methylene Chloride	4.728	84	12627	6.242	ug/l	89
25) 2-Butanone	7.015	43	767	12.599	ug/l	96
31) Cyclohexane	7.795	56	2944	1.111	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	10088	4.627	ug/l #	52
38) Carbon Tetrachloride	7.795	117	11314	5.073	ug/l #	16
59) 2-Hexanone	10.587	43	154	23.948	ug/l	77
74) N-amyl acetate	12.154	43	6259	5.918	ug/l #	5
76) 1,2,3-Trichloropropane	12.483	75	48938	58.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48938	115.959	ug/l #	7

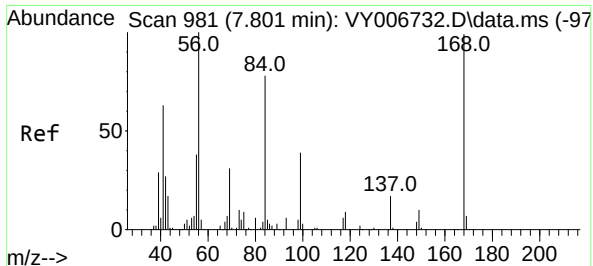
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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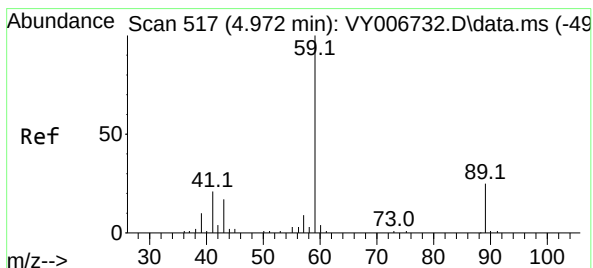
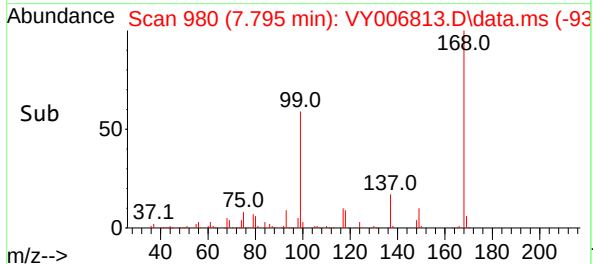
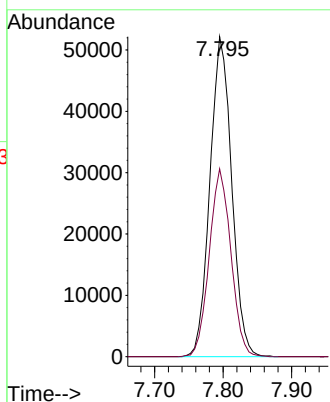
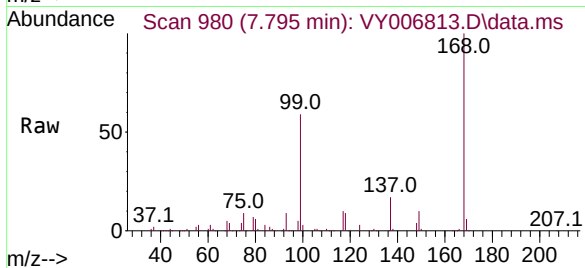




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

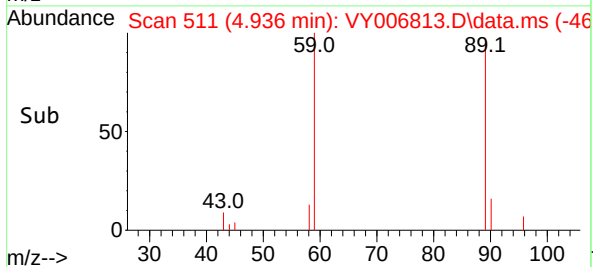
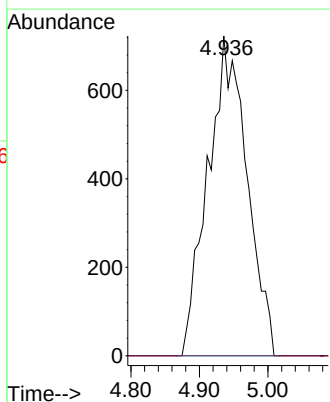
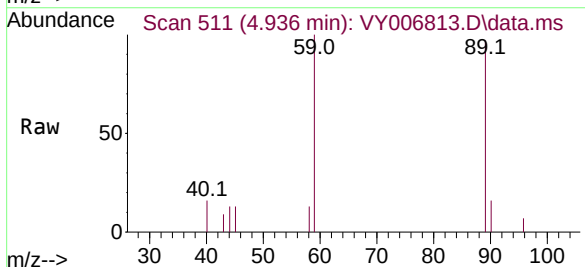
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-27165

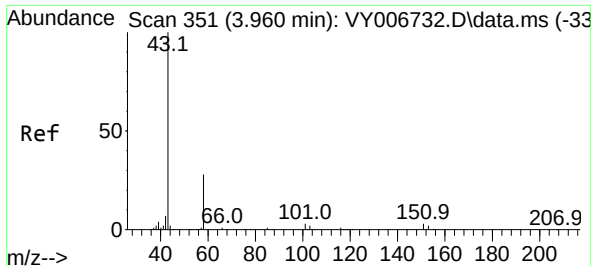
Tgt Ion:168 Resp: 115002
Ion Ratio Lower Upper
168 100
99 58.7 44.8 67.2



#11
Tert butyl alcohol
Concen: 12.639 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion: 59 Resp: 2865
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 9.525 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY006813.D

Acq: 18 Nov 2021 17:44

Instrument :

MSVOA_Y

ClientSampleId :

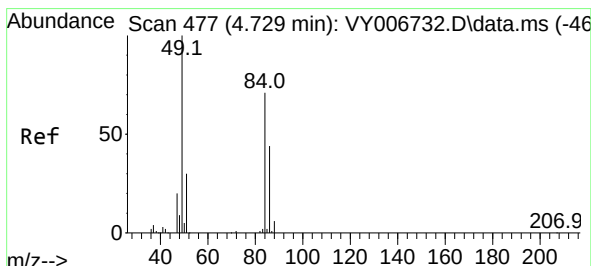
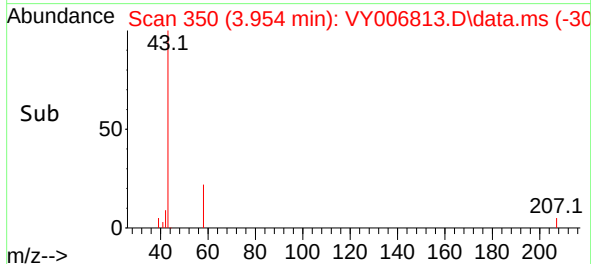
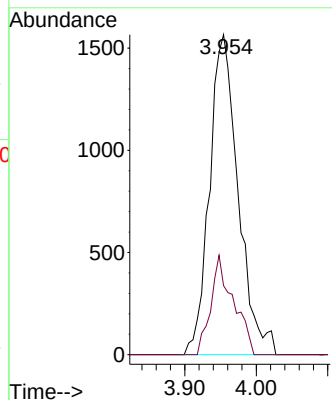
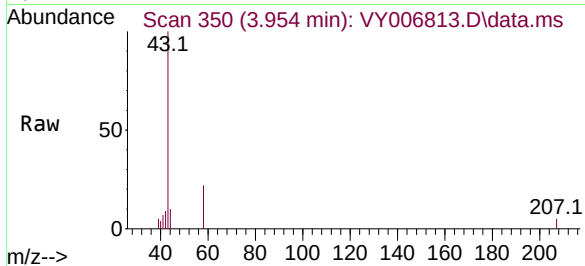
CHRT-27165

Tgt Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#



#20

Methylene Chloride

Concen: 6.242 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.001 min

Lab File: VY006813.D

Acq: 18 Nov 2021 17:44

Tgt Ion: 84 Resp: 12627

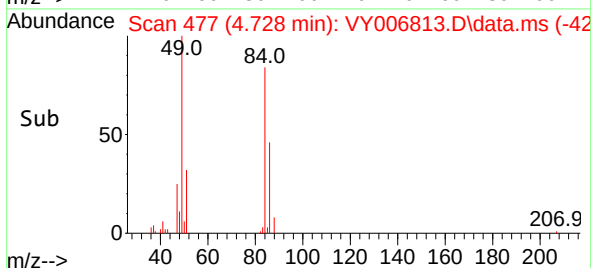
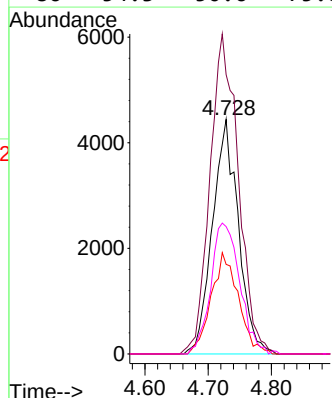
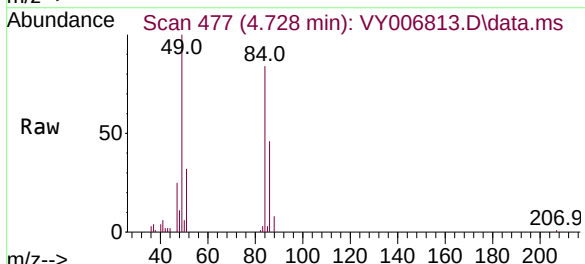
Ion Ratio Lower Upper

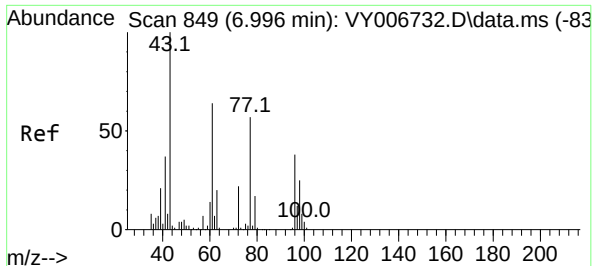
84 100

49 119.1 107.8 161.8

51 38.2 32.8 49.2

86 54.3 50.6 75.8





#25

2-Butanone

Concen: 12.599 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY006813.D

Acq: 18 Nov 2021 17:44

Instrument :

MSVOA_Y

ClientSampleId :

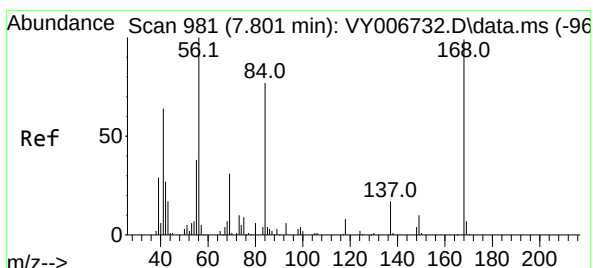
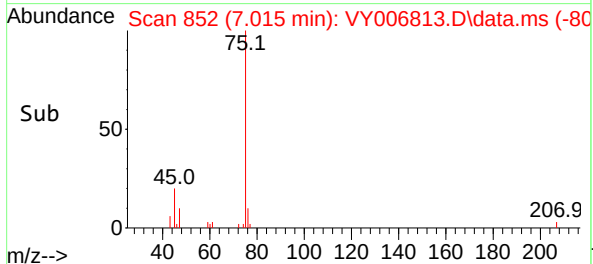
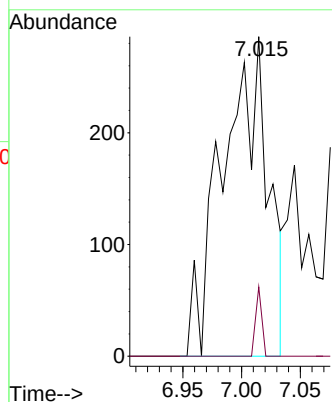
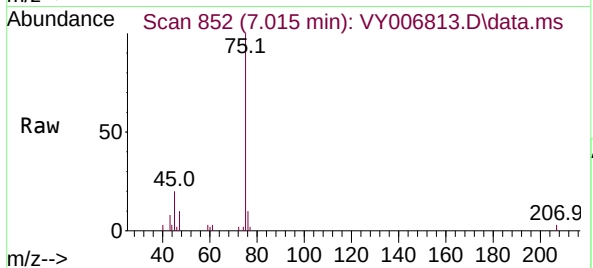
CHRT-27165

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

72 21.7 18.9 28.3



#31

Cyclohexane

Concen: 1.111 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY006813.D

Acq: 18 Nov 2021 17:44

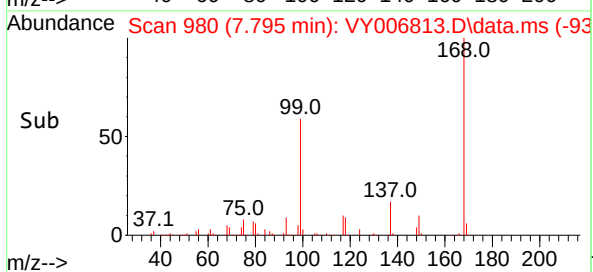
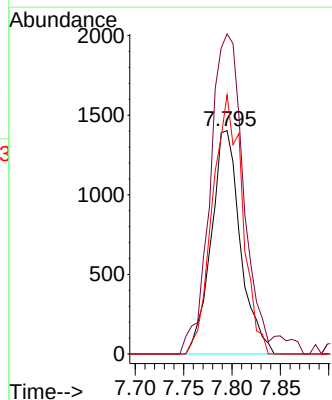
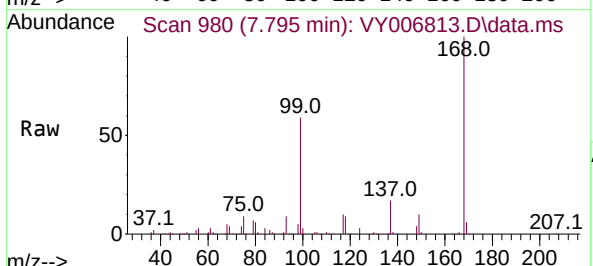
Tgt Ion: 56 Resp: 2944

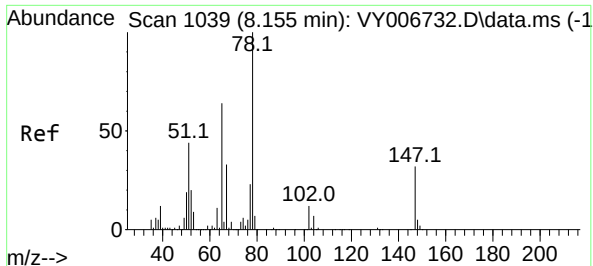
Ion Ratio Lower Upper

56 100

69 143.3 26.6 40.0#

84 116.0 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 58.609 ug/l

RT: 8.149 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006813.D

Acq: 18 Nov 2021 17:44

Instrument :

MSVOA_Y

ClientSampleId :

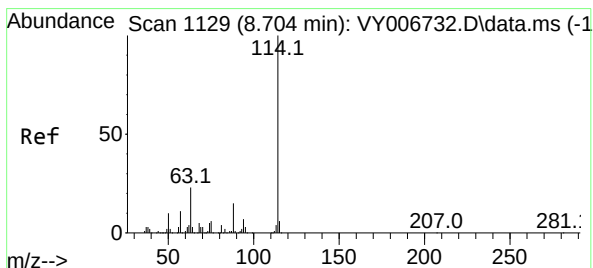
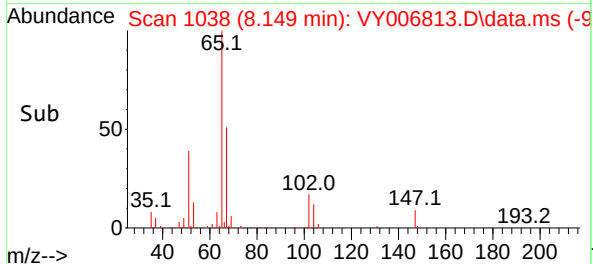
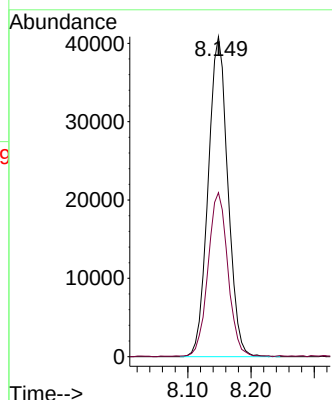
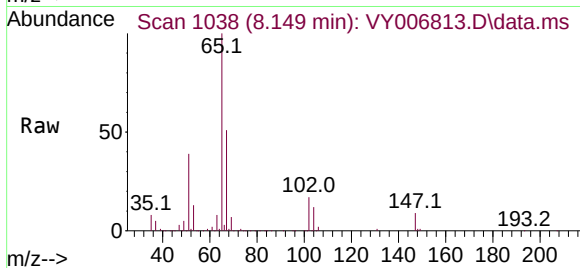
CHRT-27165

Tgt Ion: 65 Resp: 88338

Ion Ratio Lower Upper

65 100

67 52.1 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: VY006813.D

Acq: 18 Nov 2021 17:44

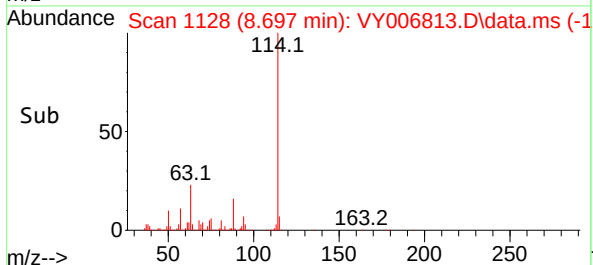
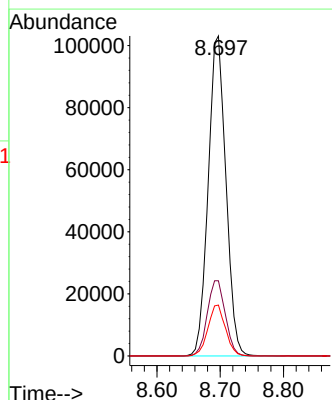
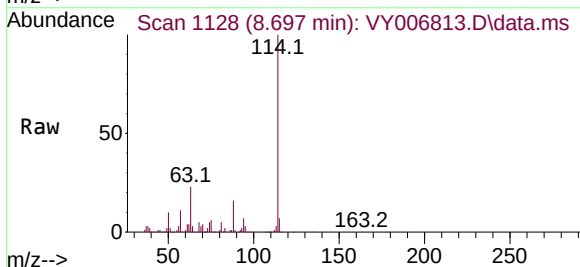
Tgt Ion: 114 Resp: 200589

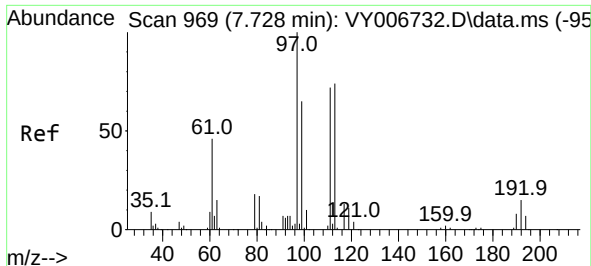
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.0

88 15.9 0.0 30.6

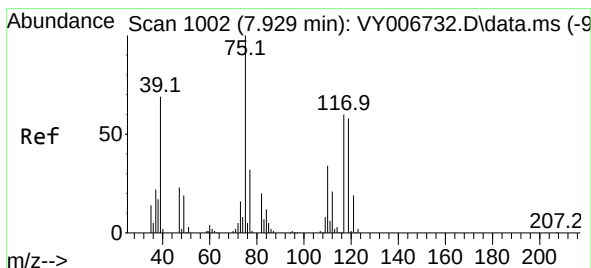
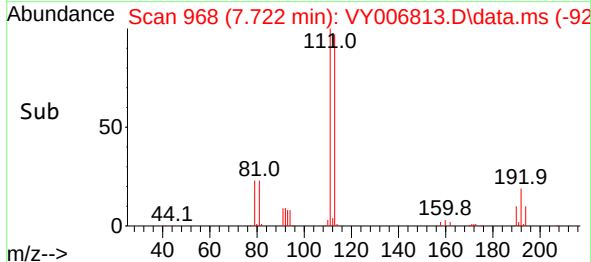
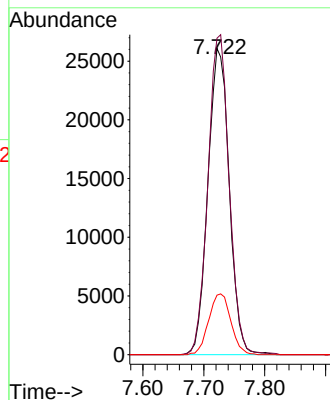
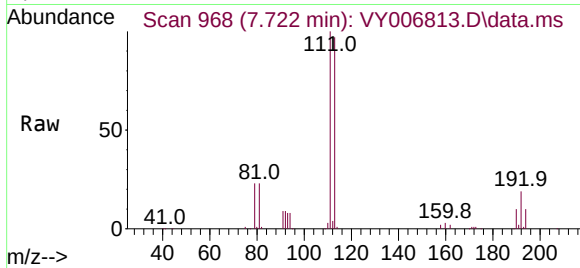




#35
Dibromofluoromethane
Concen: 51.577 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

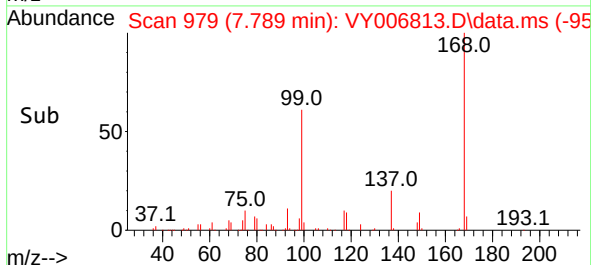
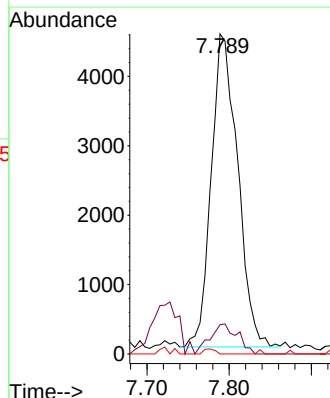
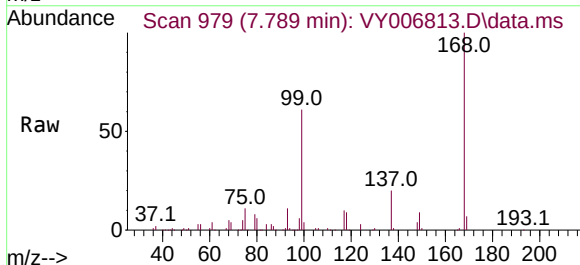
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ClientSampleId :
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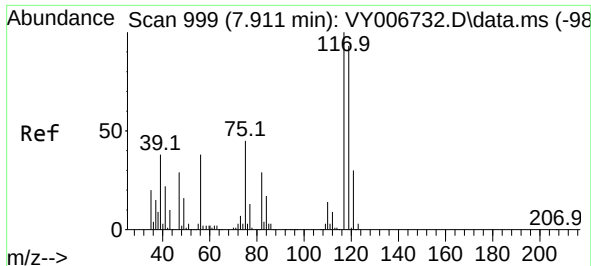
Tgt Ion:113 Resp: 63548
Ion Ratio Lower Upper
113 100
111 103.8 82.3 123.5
192 20.6 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion: 75 Resp: 10088
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.3#
77 0.7 24.9 37.3#

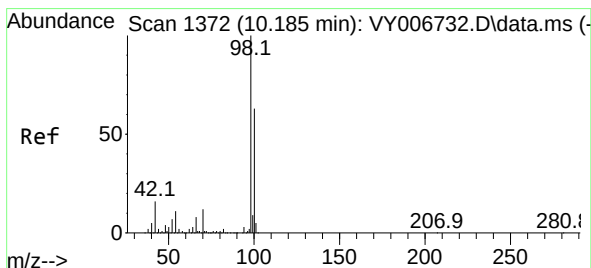
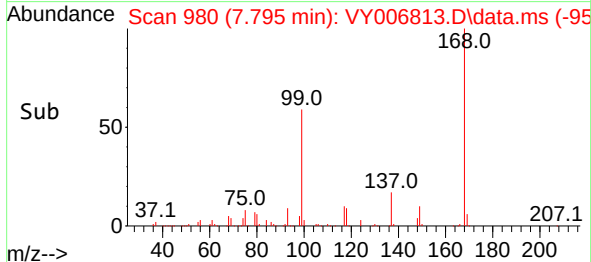
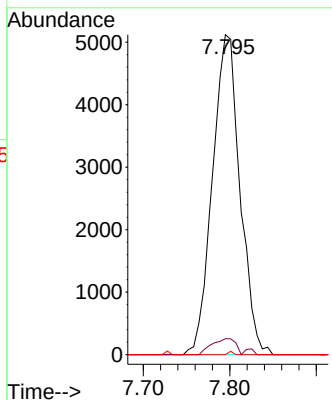
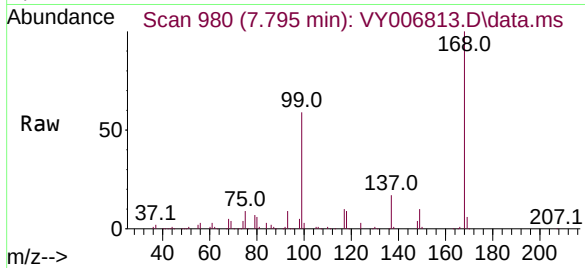




#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

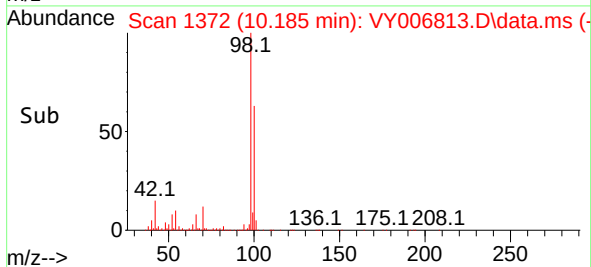
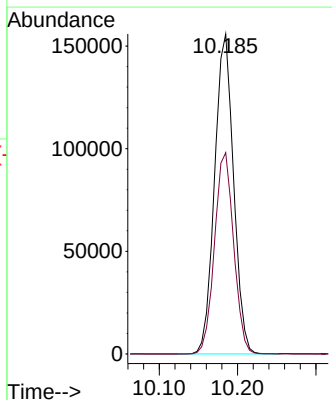
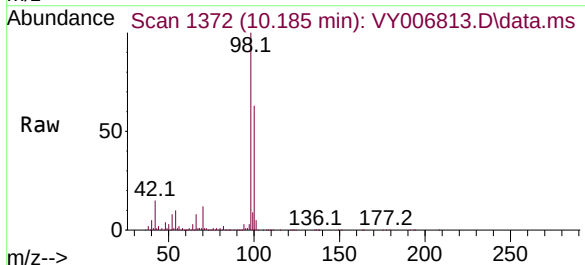
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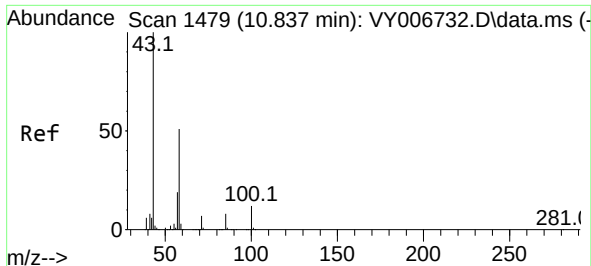
Tgt Ion:117 Resp: 11314
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion: 98 Resp: 262711
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3

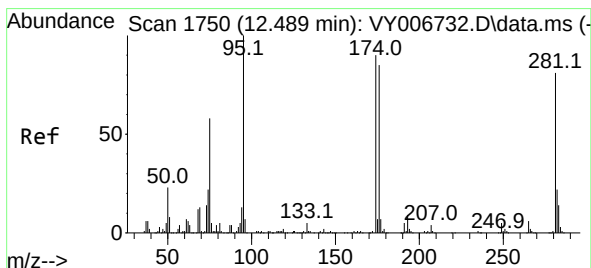
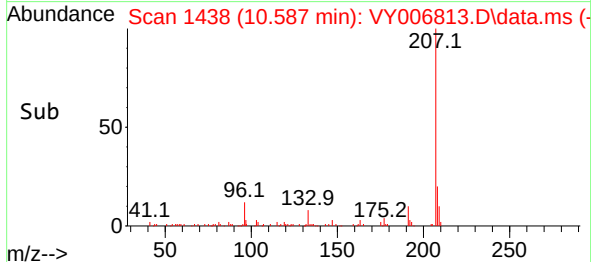
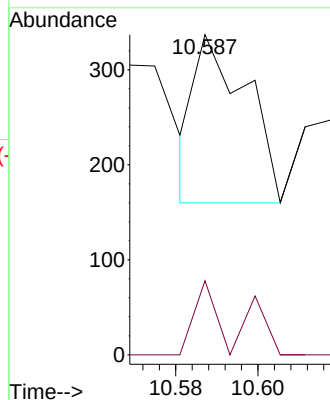
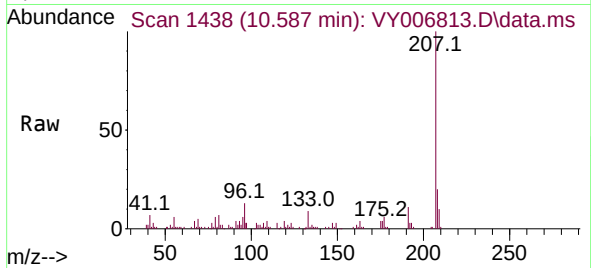




#59
2-Hexanone
Concen: 23.948 ug/l
RT: 10.587 min Scan# 1479
Delta R.T. -0.250 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

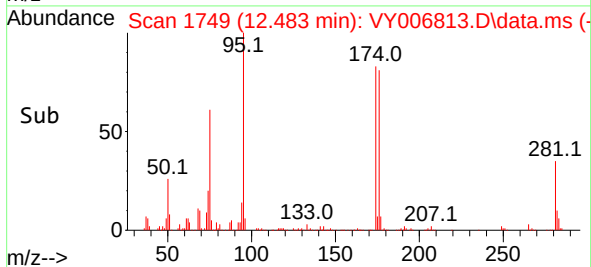
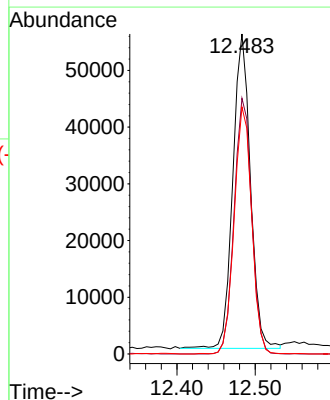
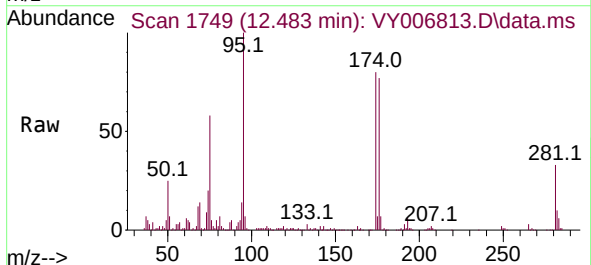
Instrument :
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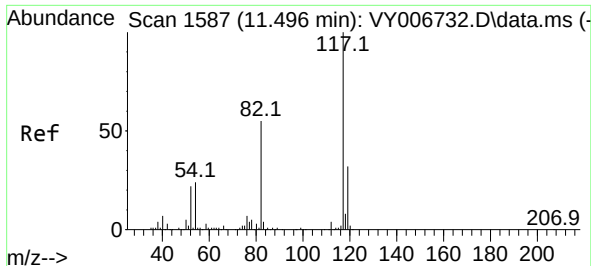
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 33.1 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 50.203 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion: 95 Resp: 86291
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 78.4 0.0 169.4

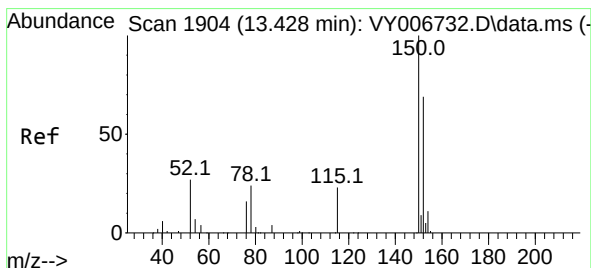
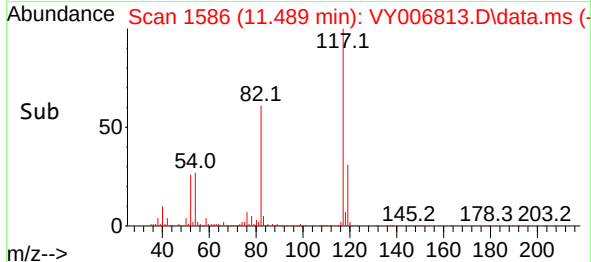
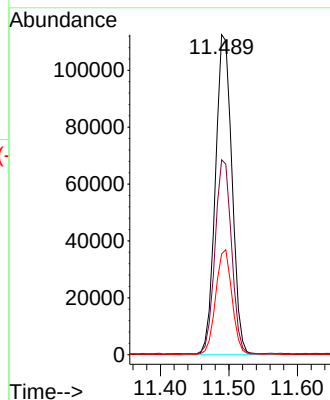
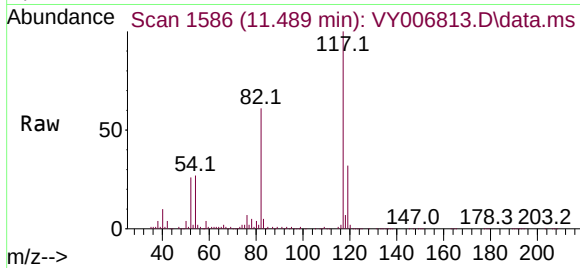




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

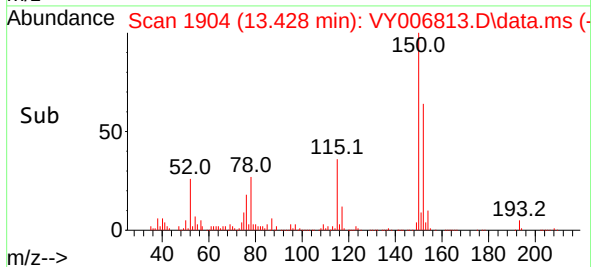
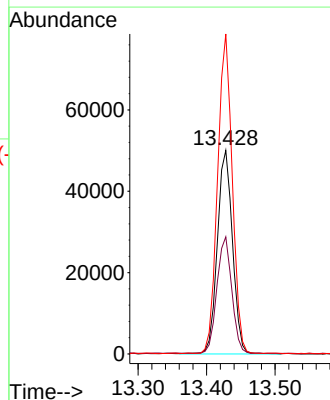
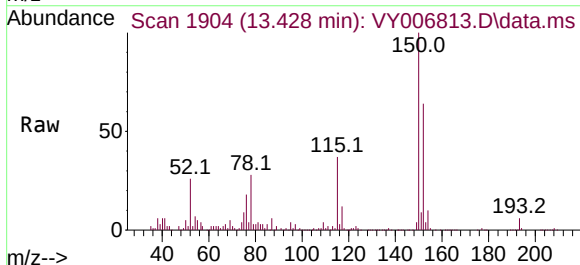
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-27165

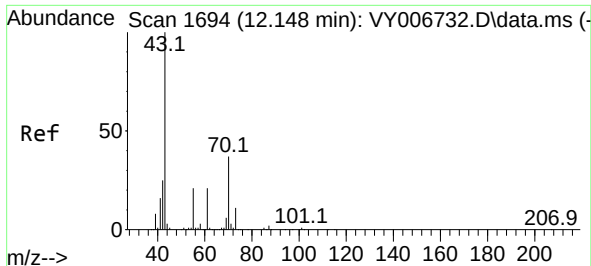
Tgt Ion:117 Resp: 188497
Ion Ratio Lower Upper
117 100
82 60.5 45.7 68.5
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion:152 Resp: 76915
Ion Ratio Lower Upper
152 100
115 56.1 28.5 85.5
150 151.1 0.0 348.2

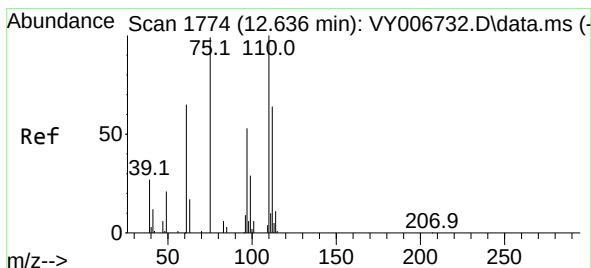
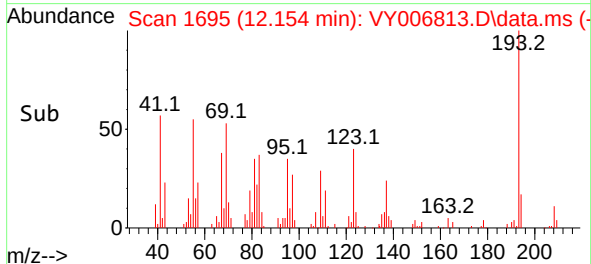
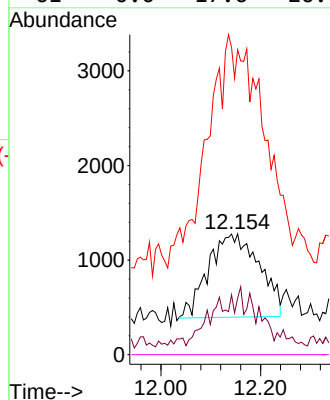
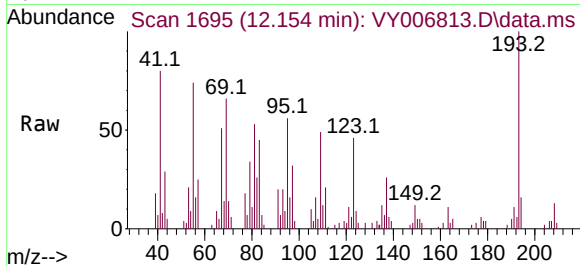




#74
N-amy1 acetate
Concen: 5.918 ug/l
RT: 12.154 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

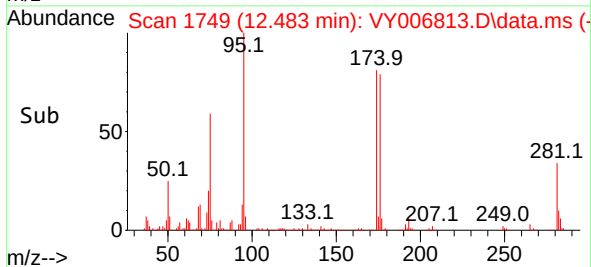
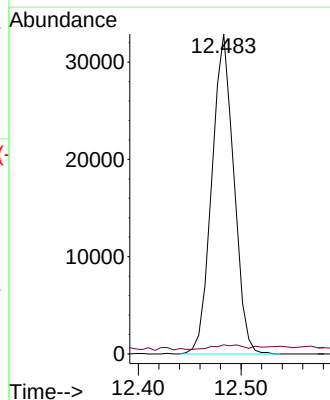
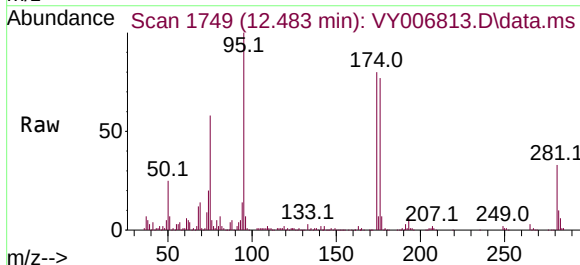
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-27165

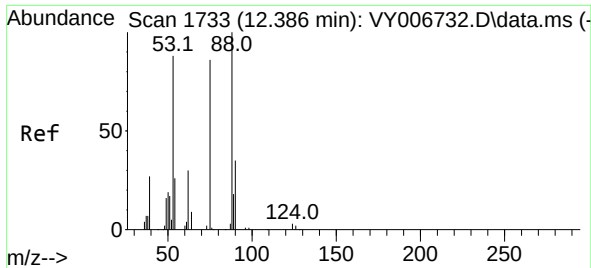
Tgt Ion: 43	Resp: 6259
Ion Ratio	Lower Upper
43	100
70	0.0 29.4 44.0#
55	116.8 18.1 27.1#
61	0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 58.522 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006813.D
Acq: 18 Nov 2021 17:44

Tgt Ion: 75	Resp: 48938
Ion Ratio	Lower Upper
75	100
77	1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.959 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY006813.D
 Acq: 18 Nov 2021 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-27165

Tgt Ion: 75 Resp: 48938
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.6 39.3 58.9#

