

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045455.D
 Acq On : 29 Oct 2021 11:41
 Operator : SY/MD
 Sample : VU1029WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:03:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

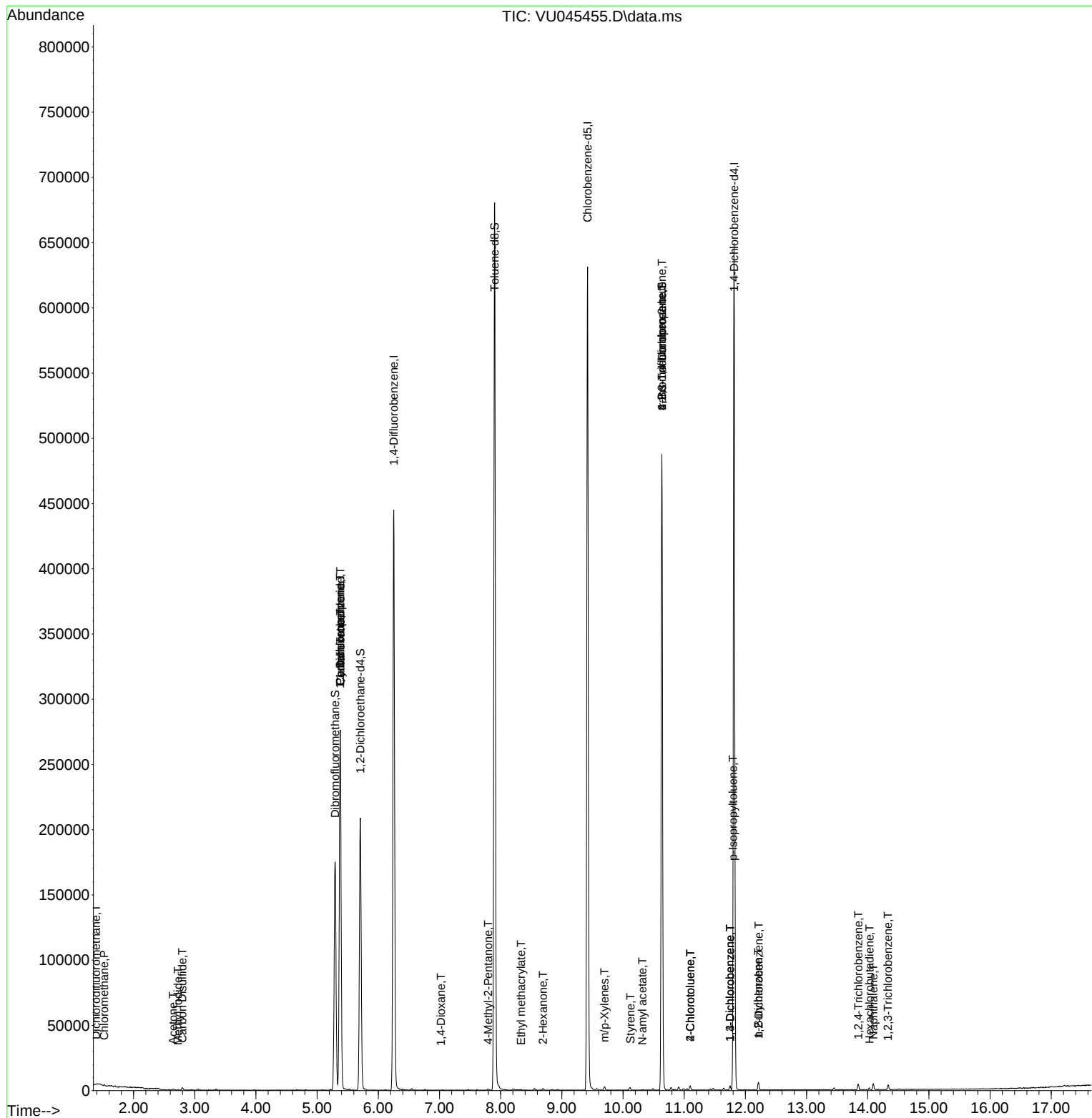
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	183912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	353790	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	340067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	159705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	154794	51.699	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.400%	
35) Dibromofluoromethane	5.292	113	114063	50.705	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	7.903	98	450427	51.061	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	10.636	95	168960	50.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	151	0.432	ug/l #	43
3) Chloromethane	1.520	50	761	0.208	ug/l #	83
10) Methyl Iodide	2.729	142	192	9.434	ug/l #	43
16) Acetone	2.646	43	1211	0.891	ug/l	92
17) Carbon Disulfide	2.797	76	2479	0.405	ug/l #	90
31) Cyclohexane	5.378	56	4581	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	16941	5.030	ug/l #	49
38) Carbon Tetrachloride	5.378	117	18856	6.420	ug/l #	15
49) 1,4-Dioxane	7.025	88	66	0.891	ug/l #	13
51) 4-Methyl-2-Pentanone	7.796	43	864	0.217	ug/l #	85
56) Ethyl methacrylate	8.333	69	177	1.678	ug/l #	63
59) 2-Hexanone	8.690	43	1124	0.365	ug/l	77
68) m/p-Xylenes	9.697	106	936	0.210	ug/l	92
70) Styrene	10.121	104	868	1.082	ug/l	90
74) N-amyl acetate	10.317	43	201	1.190	ug/l #	40
76) 1,2,3-Trichloropropane	10.636	75	87384	20.536	ug/l #	42
79) 2-Chlorotoluene	11.099	91	2026	0.258	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.636	75	87384	56.967	ug/l #	12
82) 4-Chlorotoluene	11.099	91	2026	0.227	ug/l	100
86) p-Isopropyltoluene	11.796	119	1480	0.333	ug/l #	72
87) 1,3-Dichlorobenzene	11.751	146	1454	0.293	ug/l	97
88) 1,4-Dichlorobenzene	11.751	146	1454	0.287	ug/l	97
89) n-Butylbenzene	12.211	91	2496	1.184	ug/l	96
91) 1,2-Dichlorobenzene	12.217	146	1004	0.202	ug/l	95
93) 1,2,4-Trichlorobenzene	13.844	180	1693	0.510	ug/l	95
94) Hexachlorobutadiene	14.028	225	418	0.346	ug/l	69
95) Naphthalene	14.092	128	4142	0.415	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.330	180	1336	0.399	ug/l	90

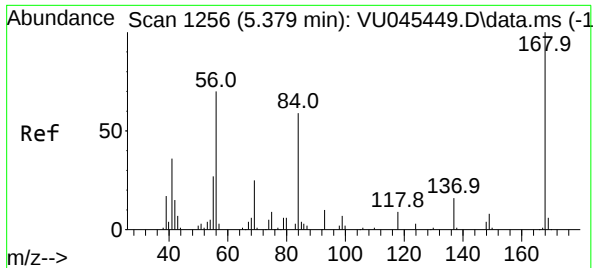
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
Data File : VU045455.D
Acq On : 29 Oct 2021 11:41
Operator : SY/MD
Sample : VU1029WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

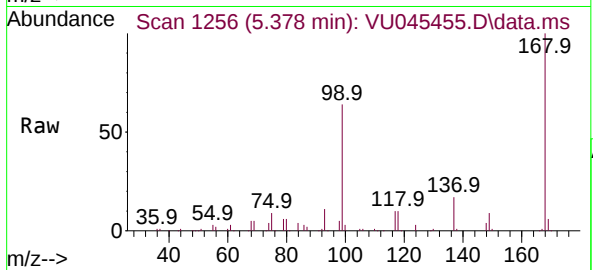
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
Response via : Initial Calibration



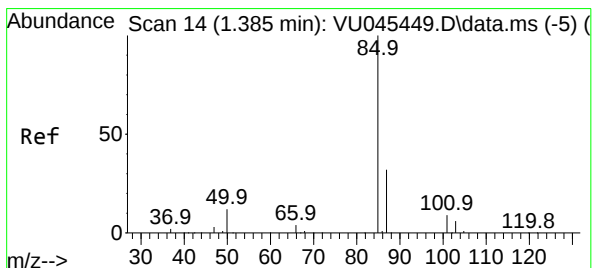
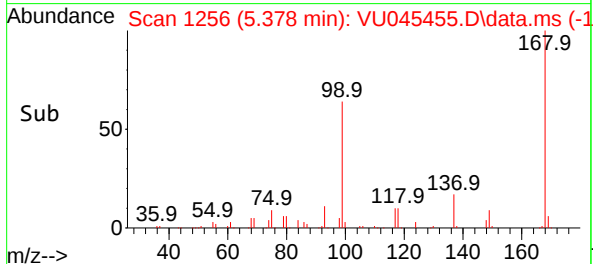
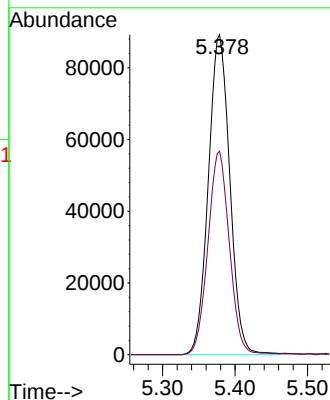


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :

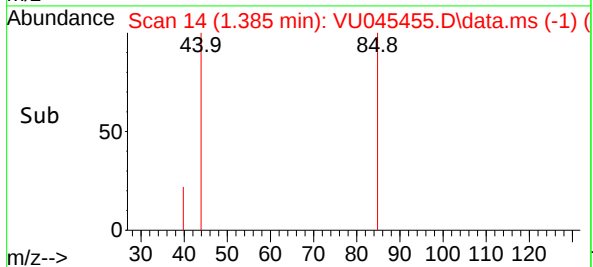
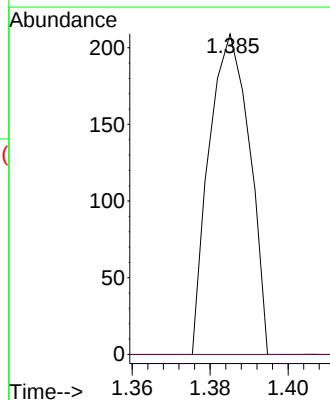
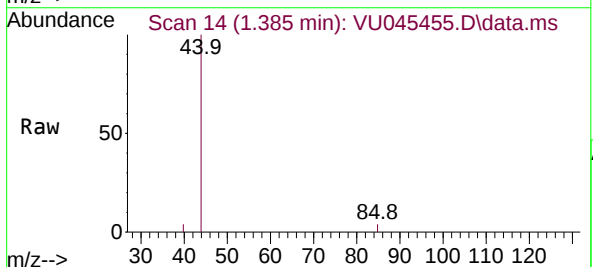


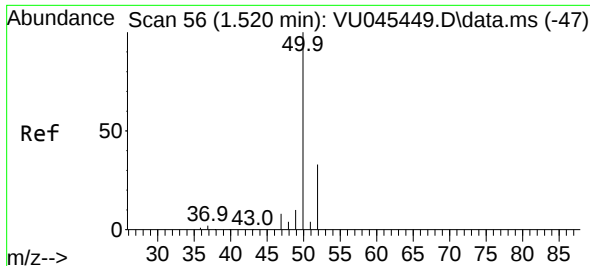
Tgt Ion:168 Resp: 183912
Ion Ratio Lower Upper
168 100
99 63.6 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.432 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 85 Resp: 151
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#

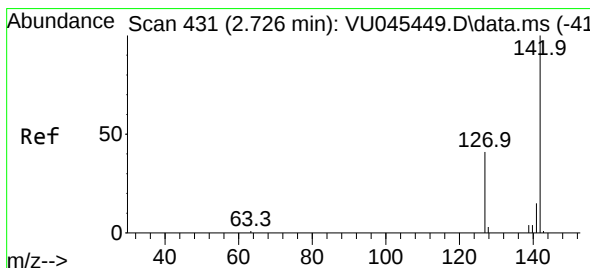
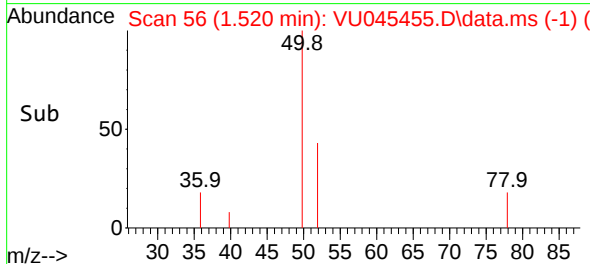
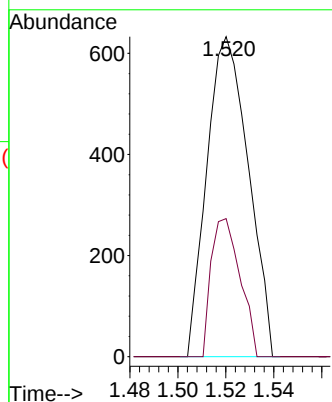
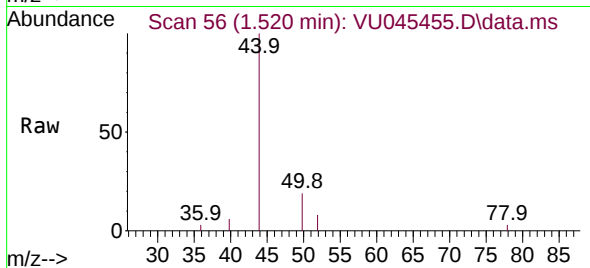




#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

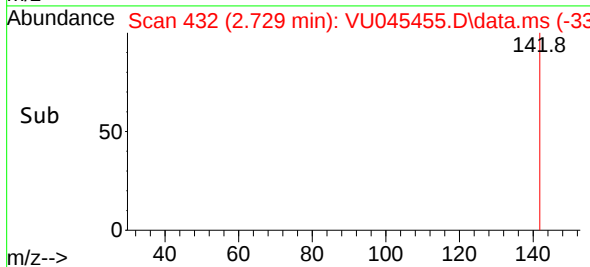
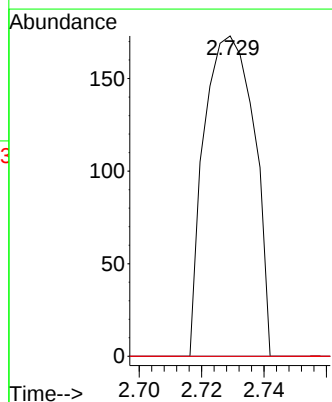
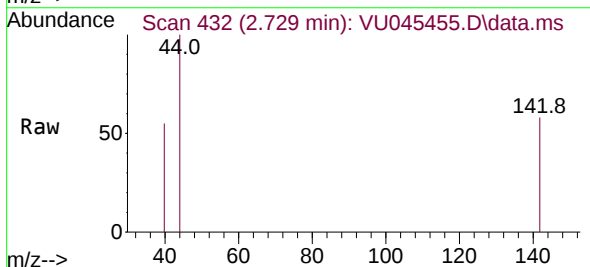
Instrument :
MSVOA_U
ClientSampleId :

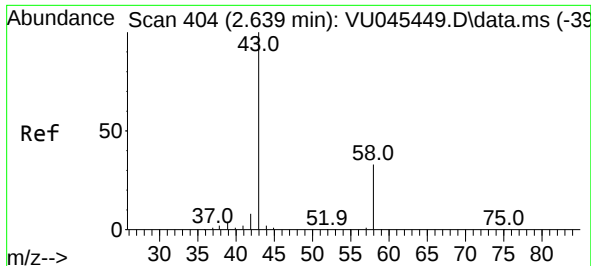
Tgt Ion: 50 Resp: 761
Ion Ratio Lower Upper
50 100
52 43.1 26.6 40.0#



#10
Methyl Iodide
Concen: 9.434 ug/l
RT: 2.729 min Scan# 432
Delta R.T. 0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 142 Resp: 192
Ion Ratio Lower Upper
142 100
127 0.0 32.2 48.2#
141 0.0 11.3 16.9#

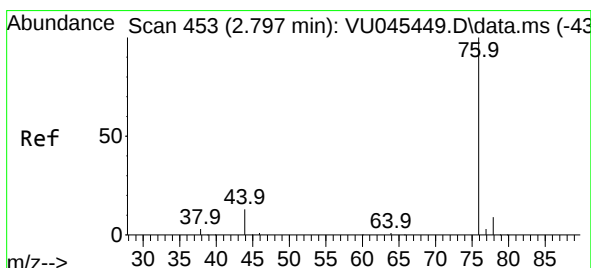
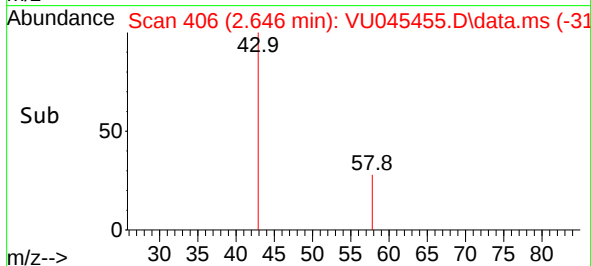
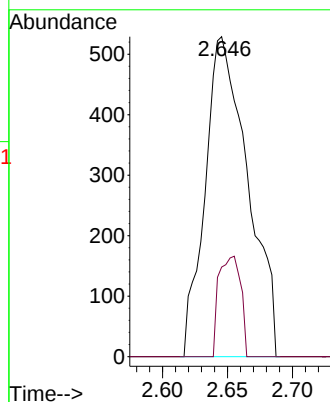
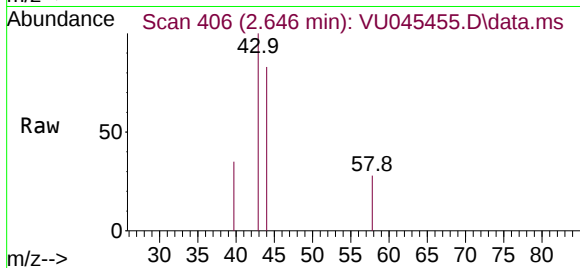




#16
Acetone
Concen: 0.891 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.006 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

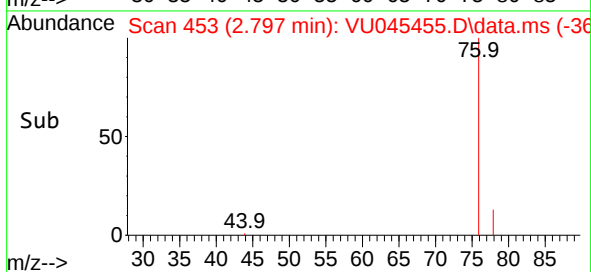
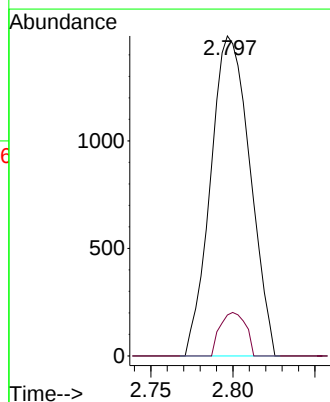
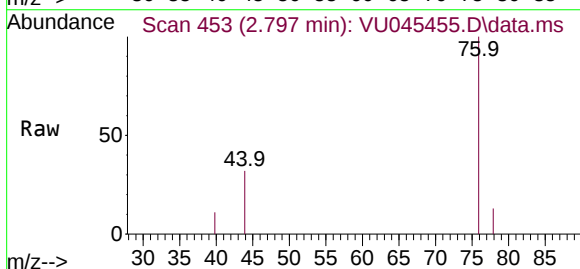
Instrument :
MSVOA_U
ClientSampleId :

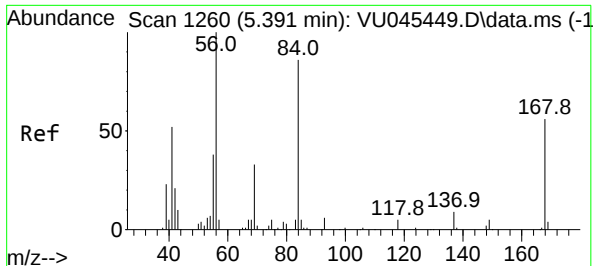
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 28.0 26.2 39.2



#17
Carbon Disulfide
Concen: 0.405 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 76 Resp: 2479
Ion Ratio Lower Upper
76 100
78 12.8 7.3 10.9#





#31

Cyclohexane

Concen: 1.028 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

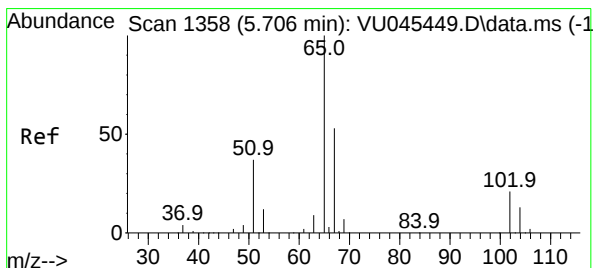
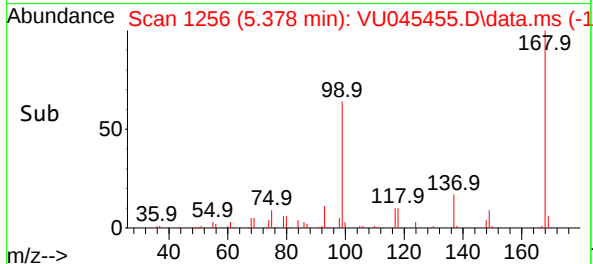
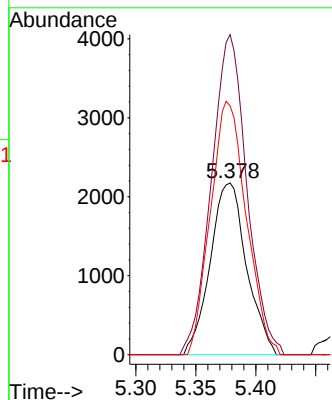
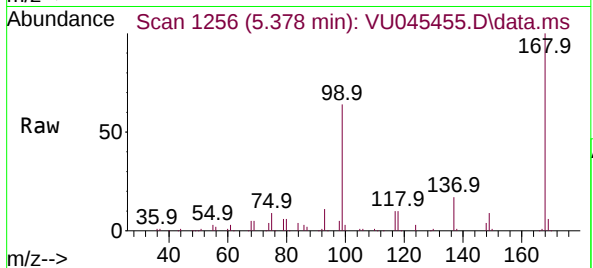
Tgt Ion: 56 Resp: 4581

Ion Ratio Lower Upper

56 100

69 186.3 26.4 39.6#

84 144.9 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 51.699 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VU045455.D

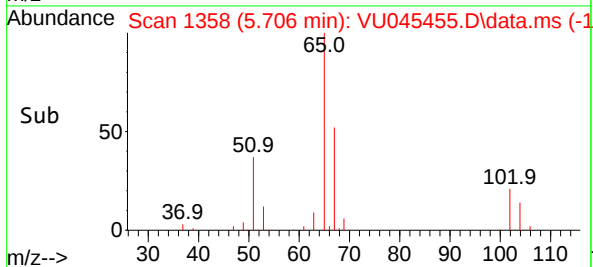
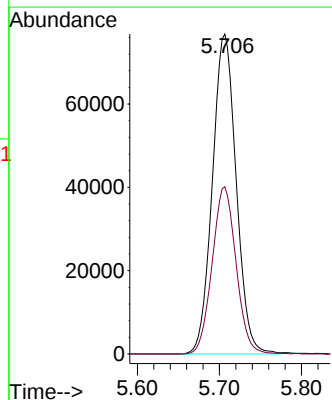
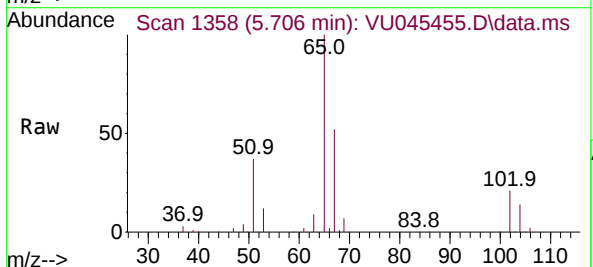
Acq: 29 Oct 2021 11:41

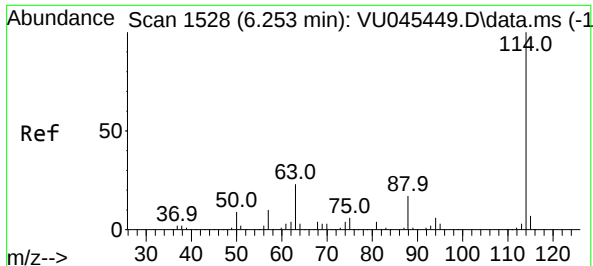
Tgt Ion: 65 Resp: 154794

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

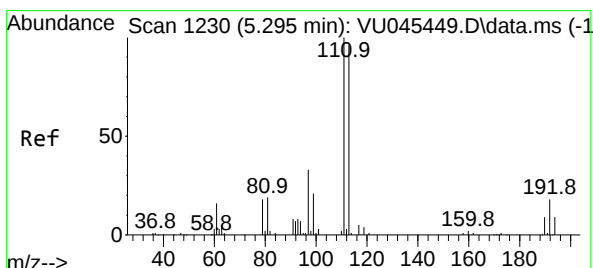
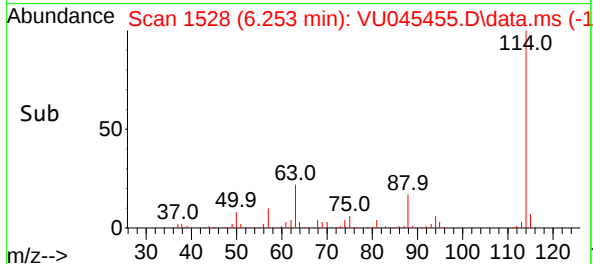
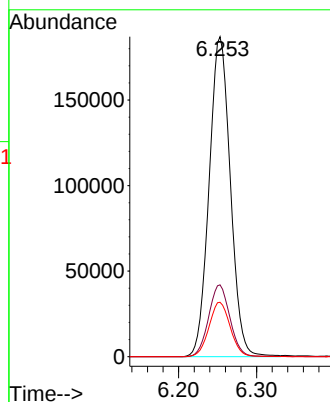
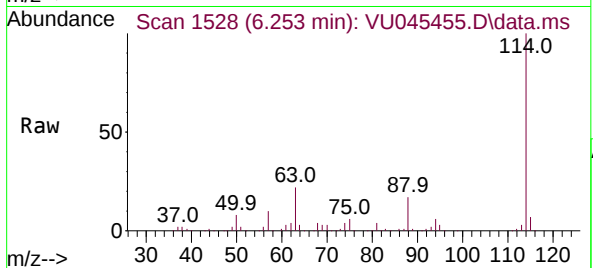
Tgt Ion:114 Resp: 353790

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.6

88 17.0 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

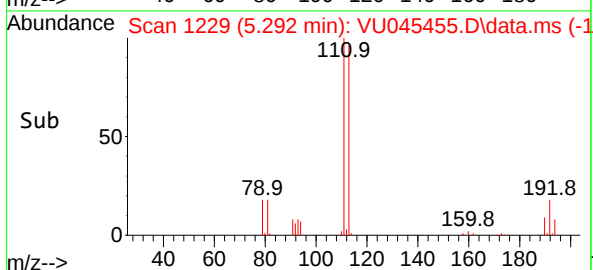
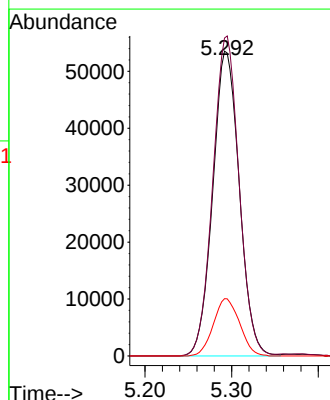
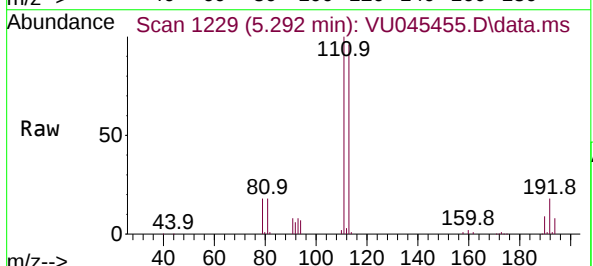
Tgt Ion:113 Resp: 114063

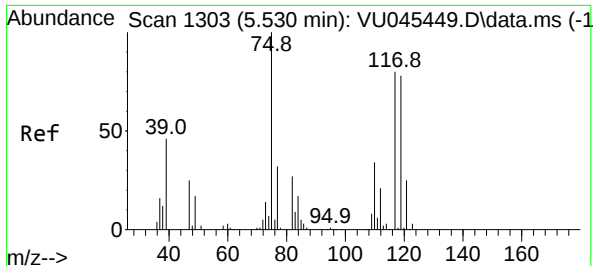
Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.030 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

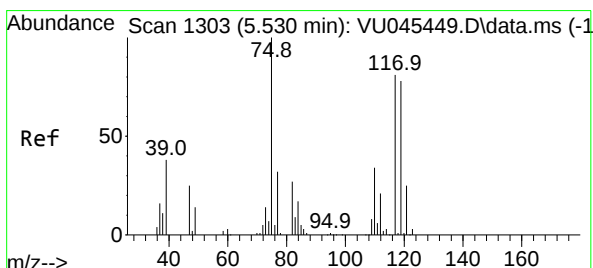
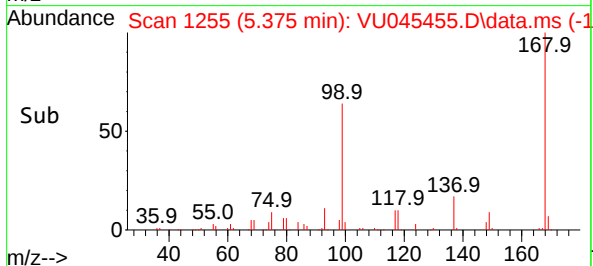
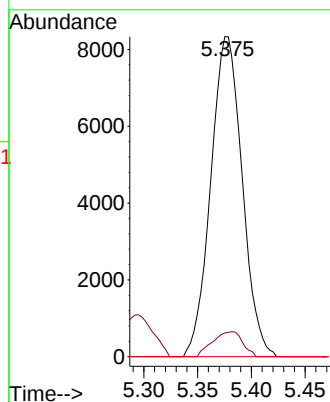
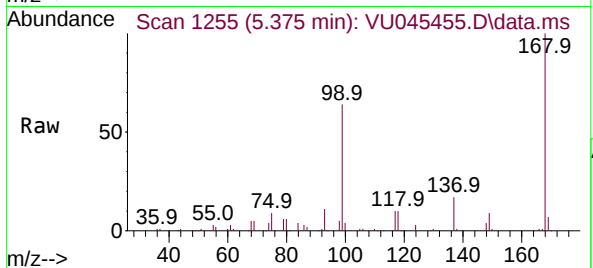
Tgt Ion: 75 Resp: 16941

Ion Ratio Lower Upper

75 100

110 7.4 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.420 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

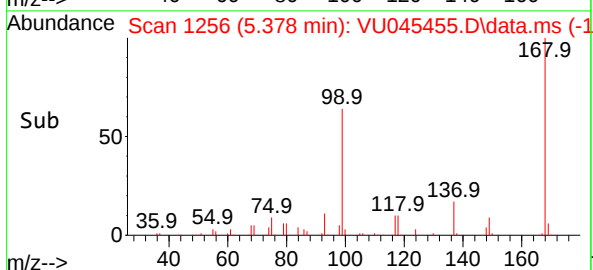
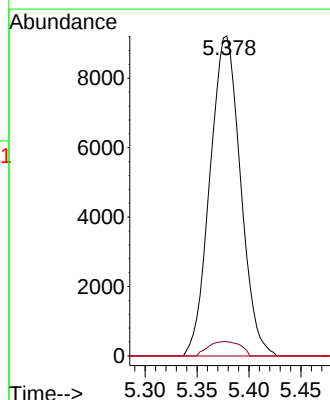
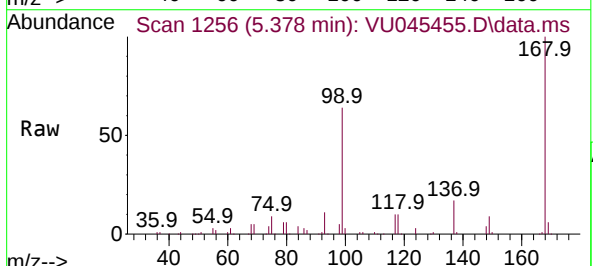
Tgt Ion: 117 Resp: 18856

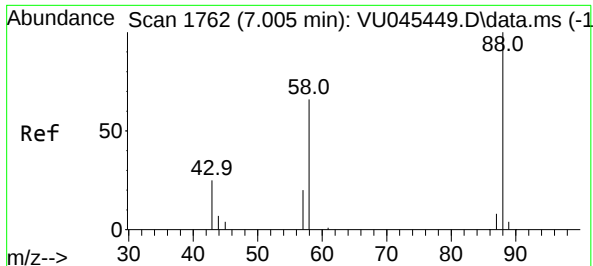
Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 0.891 ug/l

RT: 7.025 min Scan# 1

Delta R.T. 0.019 min

Lab File: VU045455.D

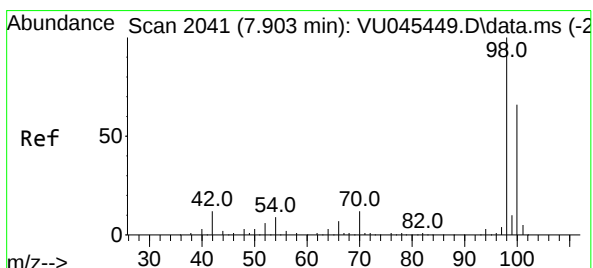
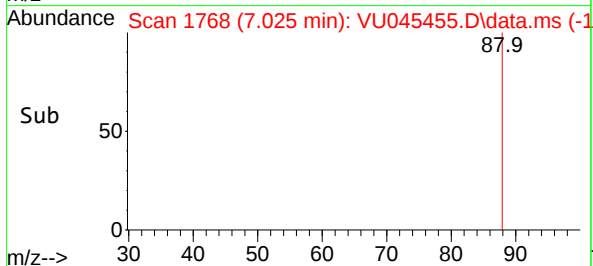
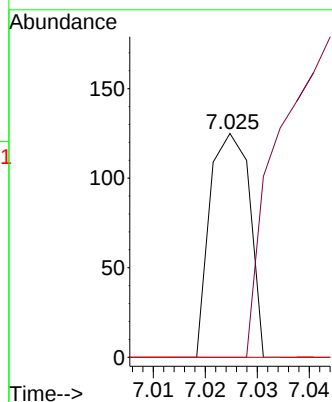
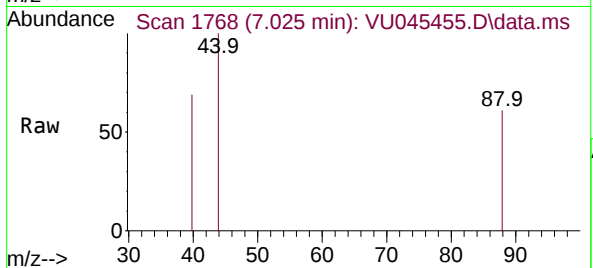
Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 88	Resp:	66
Ion Ratio	Lower	Upper
88	100	
43	0.0	0.0
58	0.0	58.7



#50

Toluene-d8

Concen: 51.061 ug/l

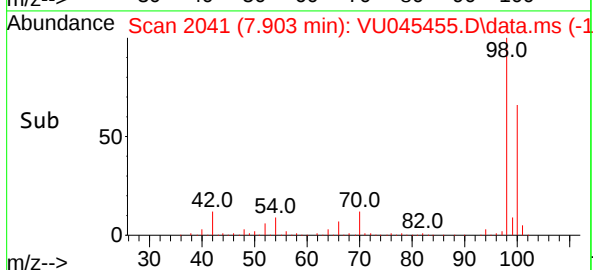
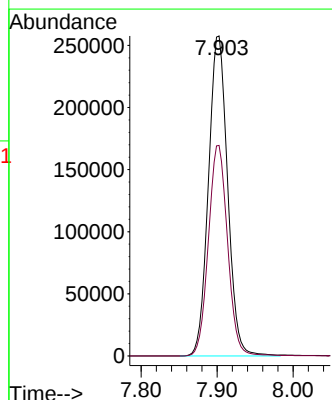
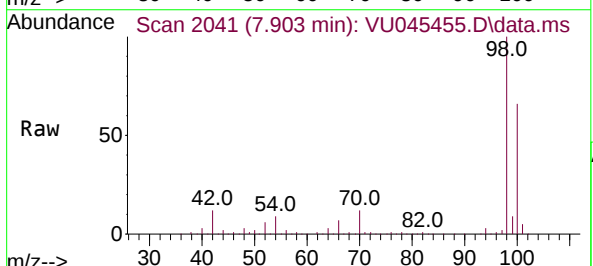
RT: 7.903 min Scan# 2041

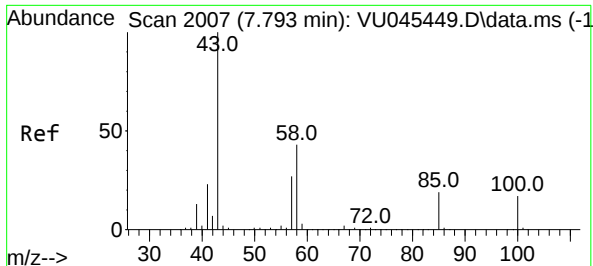
Delta R.T. -0.000 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Tgt Ion: 98	Resp:	450427
Ion Ratio	Lower	Upper
98	100	
100	66.0	52.5





#51

4-Methyl-2-Pentanone

Concen: 0.217 ug/l

RT: 7.796 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

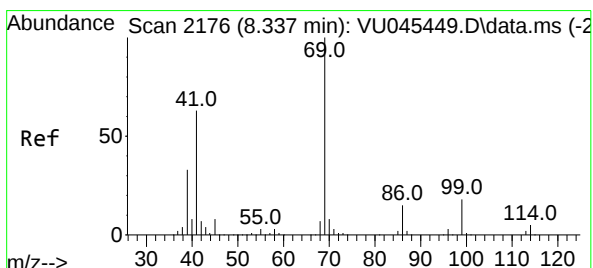
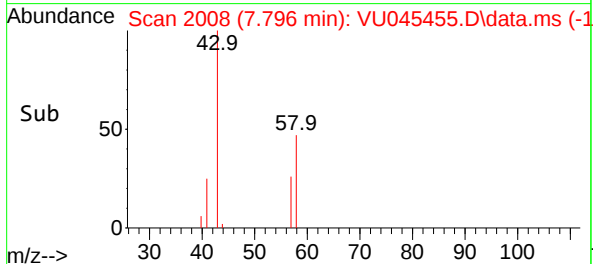
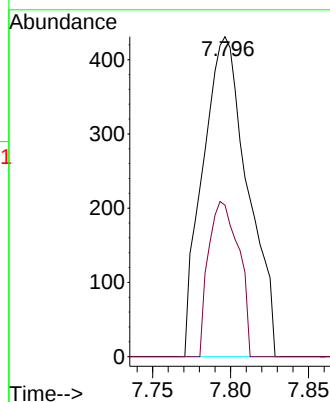
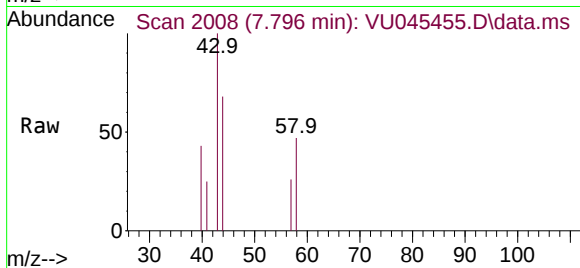
ClientSampleId :

Tgt Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

58 32.6 33.8 50.8#



#56

Ethyl methacrylate

Concen: 1.678 ug/l

RT: 8.333 min Scan# 2175

Delta R.T. -0.004 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

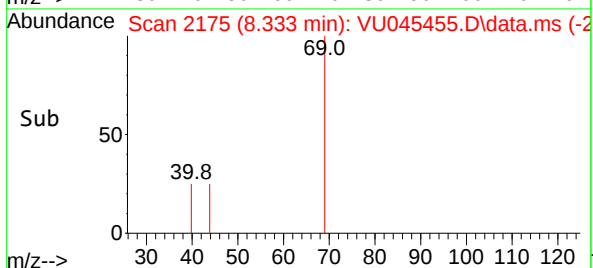
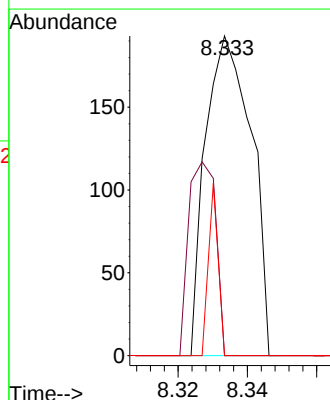
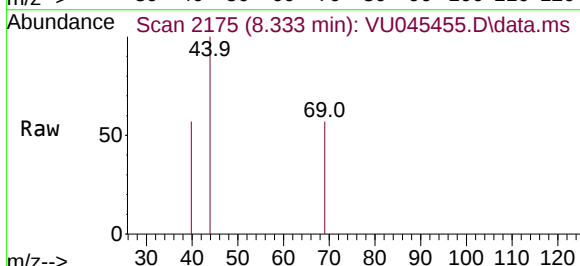
Tgt Ion: 69 Resp: 177

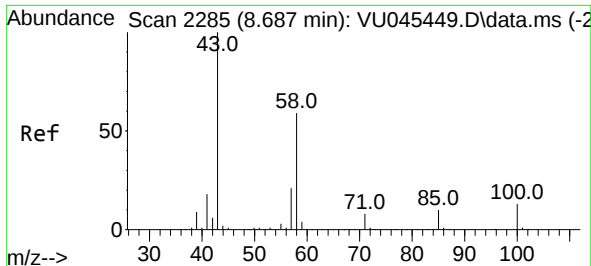
Ion Ratio Lower Upper

69 100

41 35.6 51.0 76.4#

39 11.3 26.6 39.8#

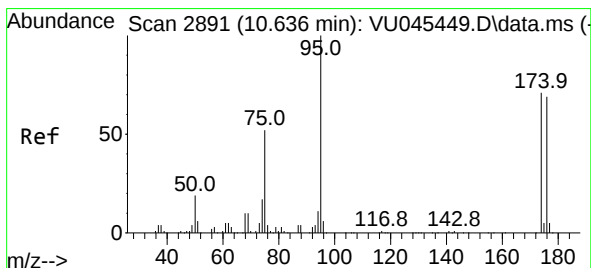
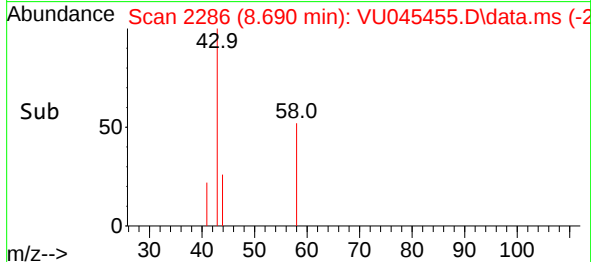
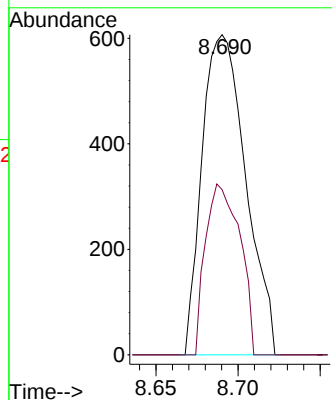
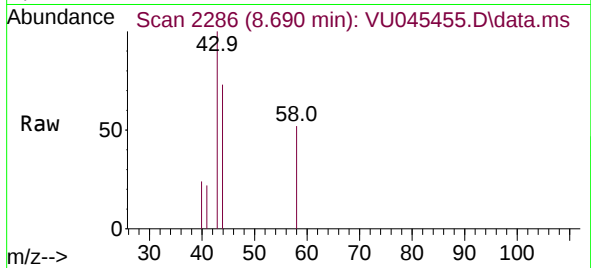




#59
2-Hexanone
Concen: 0.365 ug/l
RT: 8.690 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

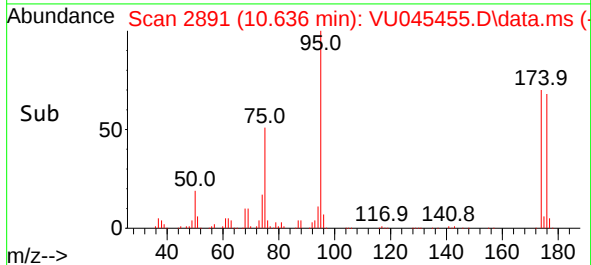
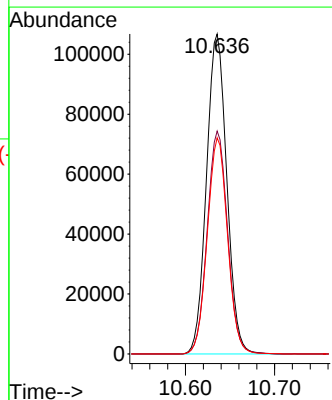
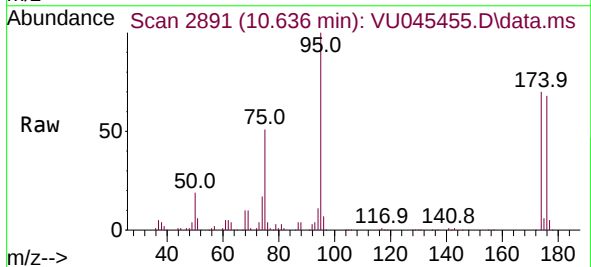
Instrument :
MSVOA_U
ClientSampleId :

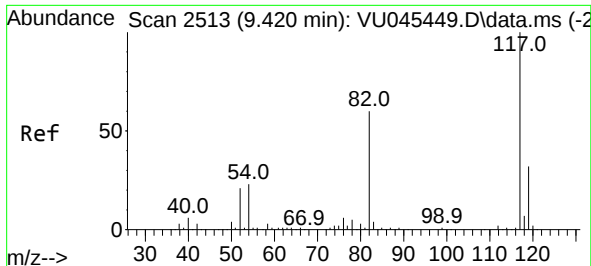
Tgt Ion: 43 Resp: 1124
Ion Ratio Lower Upper
43 100
58 41.9 29.5 88.6



#62
4-Bromofluorobenzene
Concen: 50.264 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 95 Resp: 168960
Ion Ratio Lower Upper
95 100
174 70.1 0.0 141.8
176 67.4 0.0 138.2

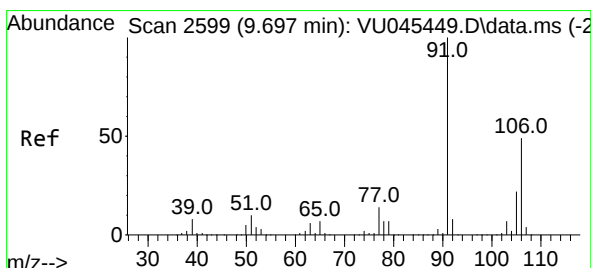
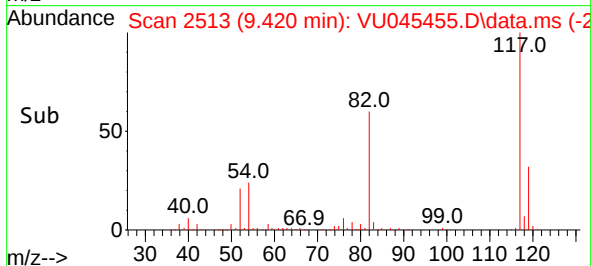
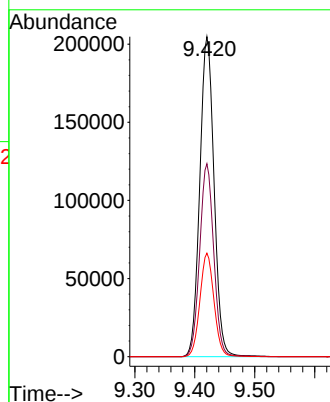
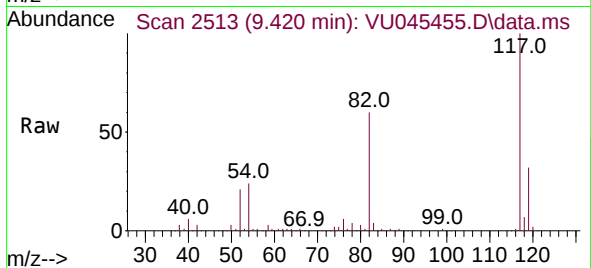




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

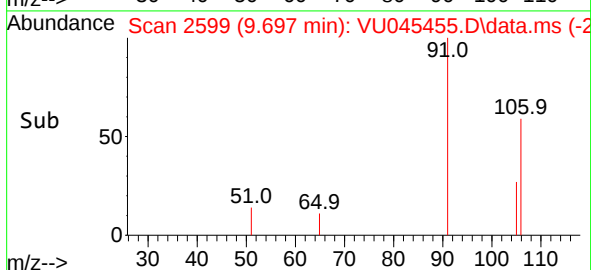
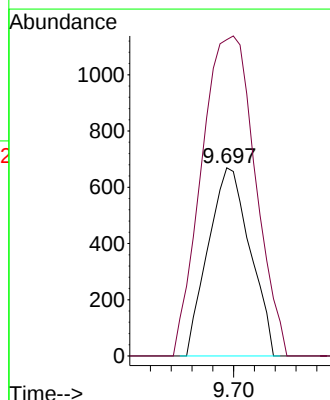
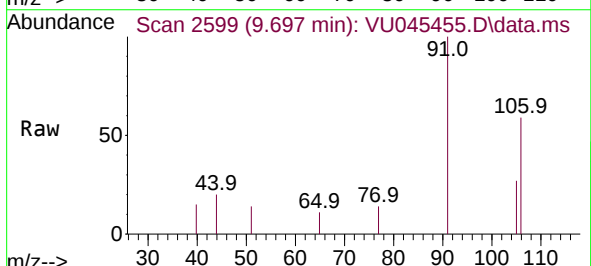
Instrument :
MSVOA_U
ClientSampleId :

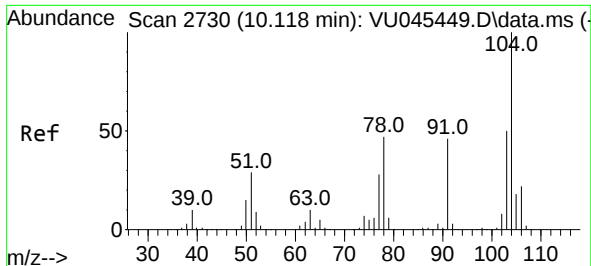
Tgt Ion:117 Resp: 340067
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 32.3 25.8 38.8



#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion:106 Resp: 936
Ion Ratio Lower Upper
106 100
91 217.9 164.7 247.1

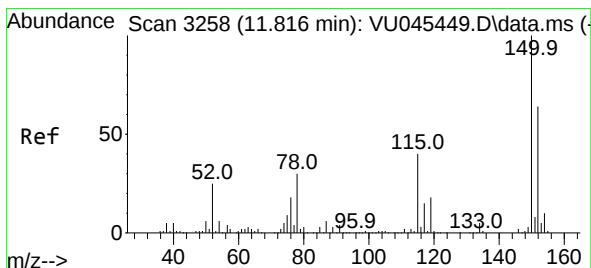
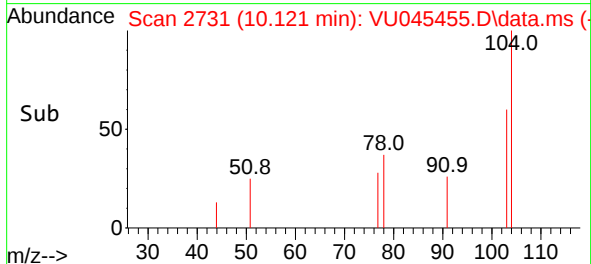
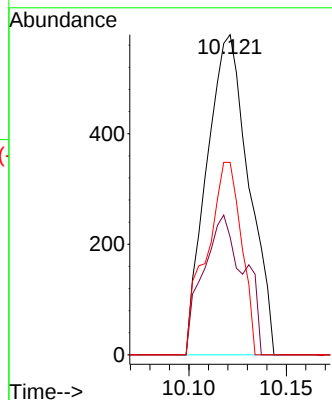
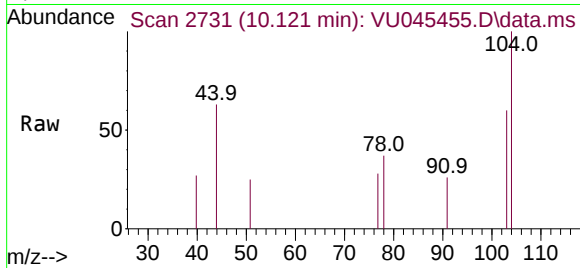




#70
Styrene
Concen: 1.082 ug/l
RT: 10.121 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

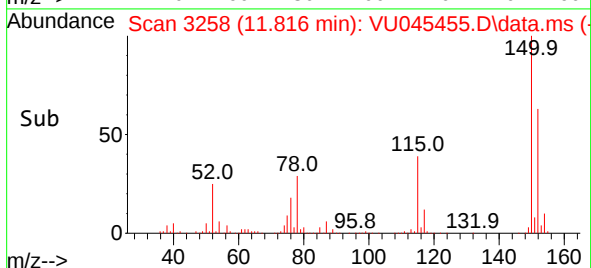
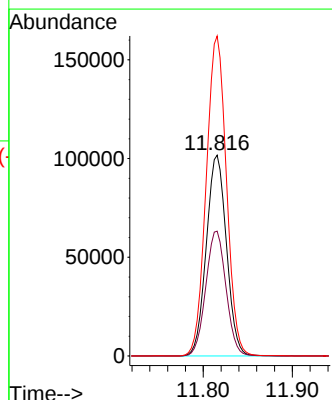
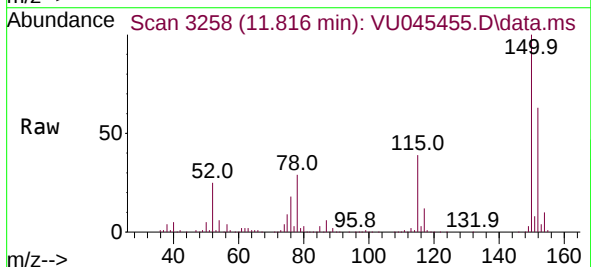
Instrument :
MSVOA_U
ClientSampleId :

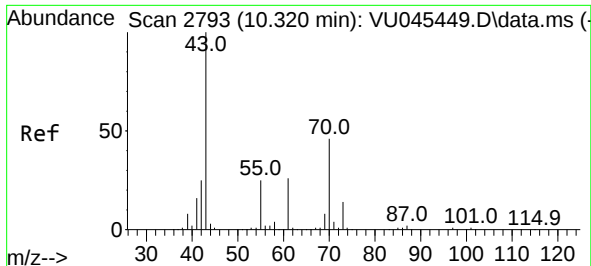
Tgt Ion:104 Resp: 868
Ion Ratio Lower Upper
104 100
78 42.3 41.8 62.6
103 49.7 43.8 65.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

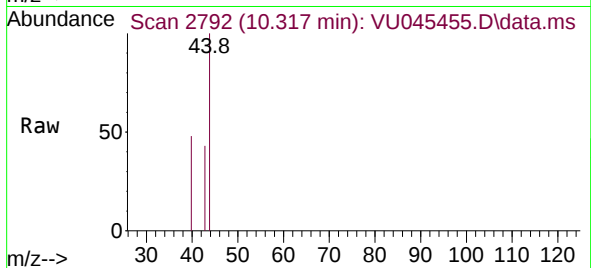
Tgt Ion:152 Resp: 159705
Ion Ratio Lower Upper
152 100
115 62.4 42.7 128.1
150 159.5 0.0 346.8



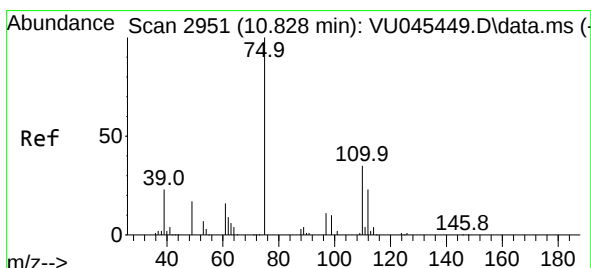
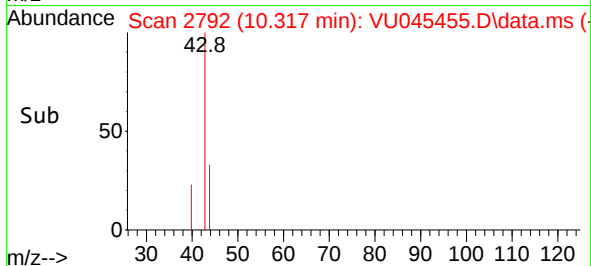
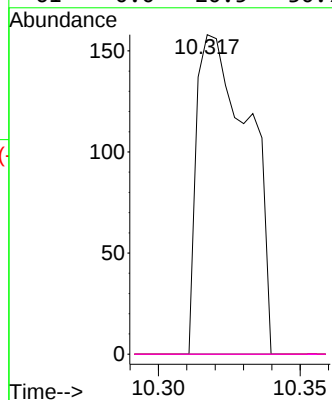


#74
N-amy1 acetate
Concen: 1.190 ug/l
RT: 10.317 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :

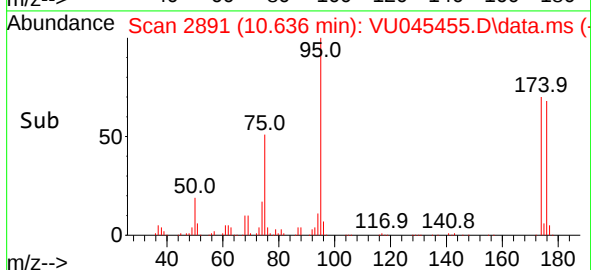
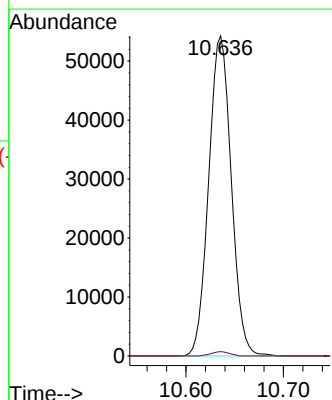
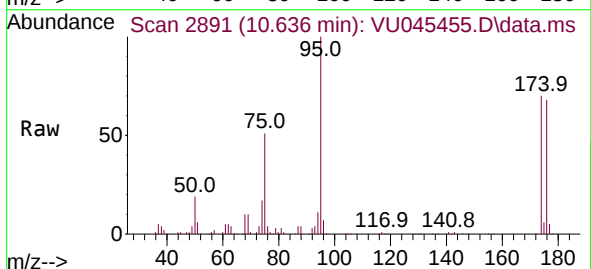


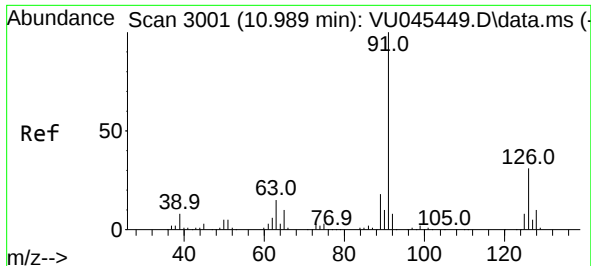
Tgt Ion:	43	Resp:	201
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.9	55.3#
55	0.0	20.6	31.0#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 20.536 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion:	75	Resp:	87384
Ion	Ratio	Lower	Upper
75	100		
77	1.1	17.1	51.3#

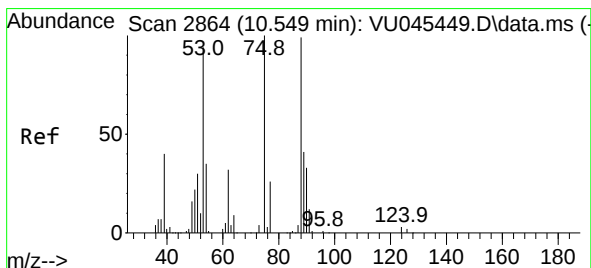
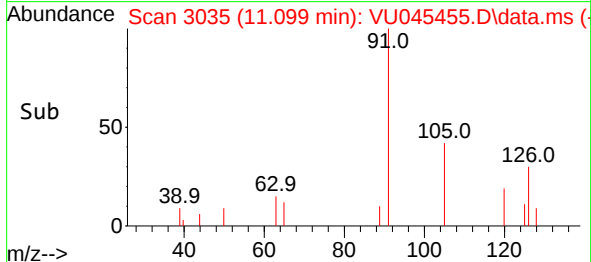
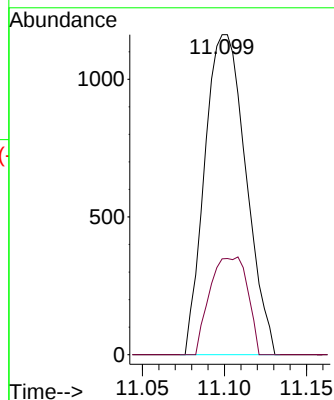
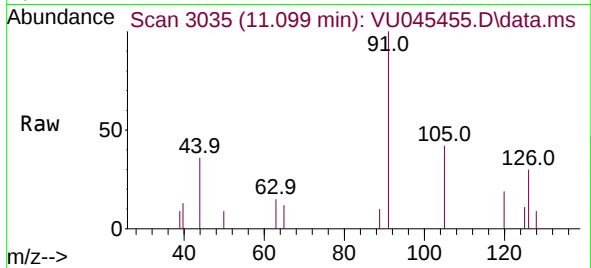




#79
2-Chlorotoluene
Concen: 0.258 ug/l
RT: 11.099 min Scan# 3001
Delta R.T. 0.109 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

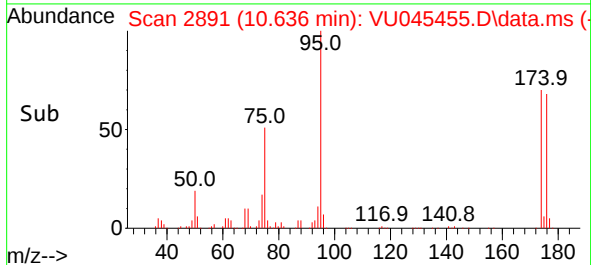
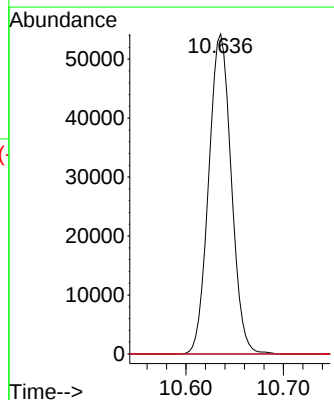
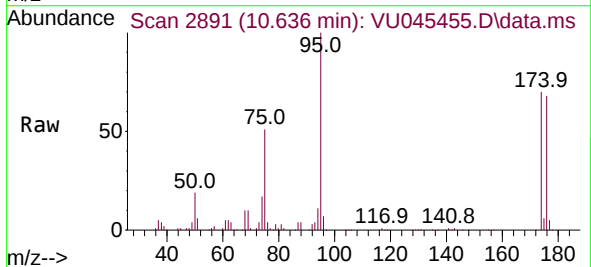
Instrument :
MSVOA_U
ClientSampleId :

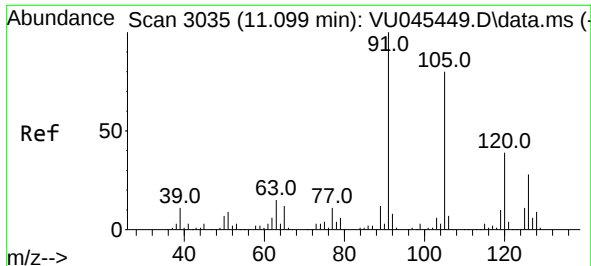
Tgt Ion: 91 Resp: 2026
Ion Ratio Lower Upper
91 100
126 27.8 15.6 46.8



#81
trans-1,4-Dichloro-2-butene
Concen: 56.967 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 75 Resp: 87384
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

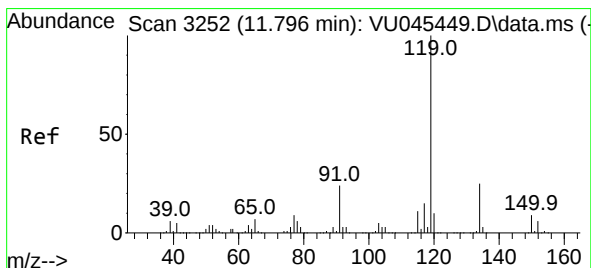
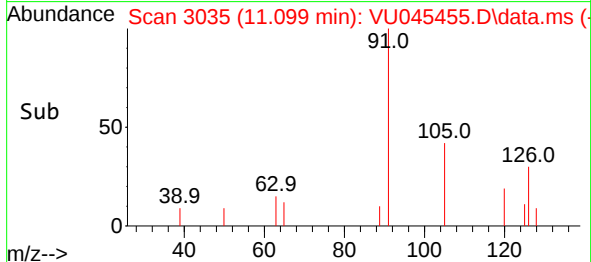
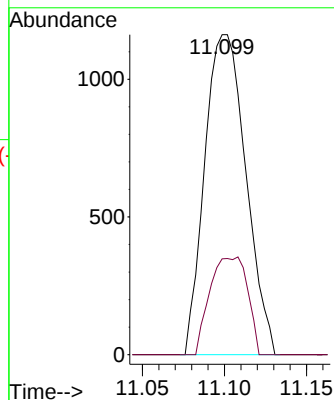
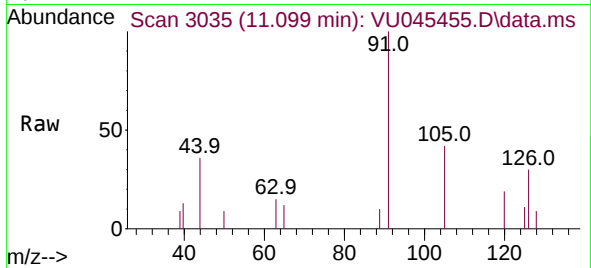




#82
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 11.099 min Scan# 3035
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

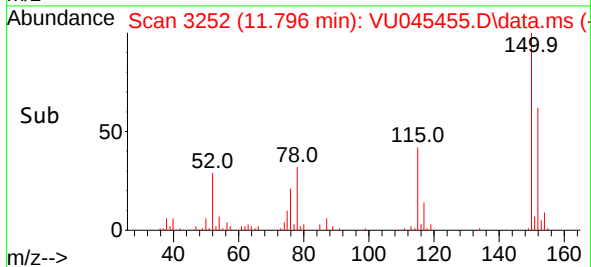
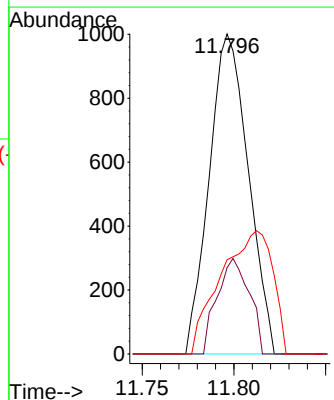
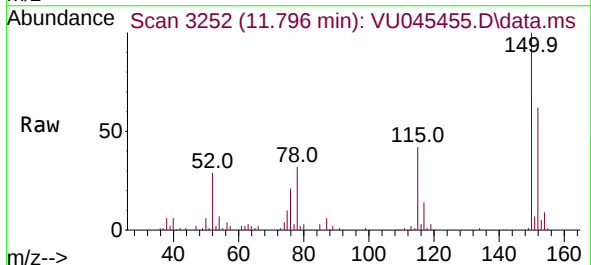
Instrument :
MSVOA_U
ClientSampleId :

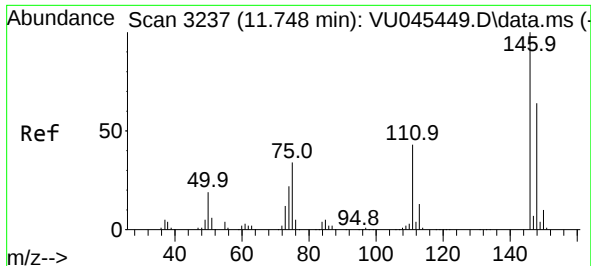
Tgt Ion: 91 Resp: 2026
Ion Ratio Lower Upper
91 100
126 27.8 13.8 41.4



#86
p-Isopropyltoluene
Concen: 0.333 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion: 119 Resp: 1480
Ion Ratio Lower Upper
119 100
134 24.5 12.7 38.1
91 51.4 12.2 36.4#





#87

1,3-Dichlorobenzene

Concen: 0.293 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. 0.003 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

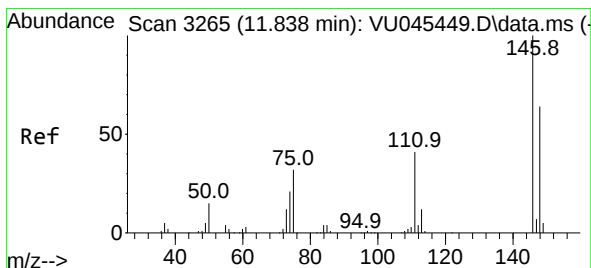
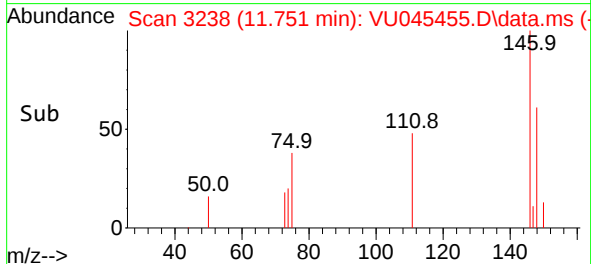
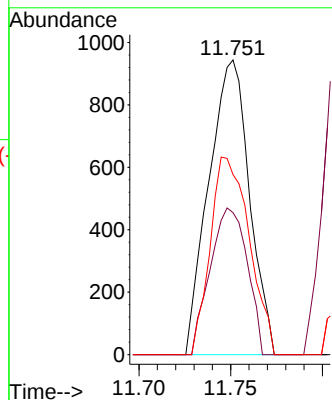
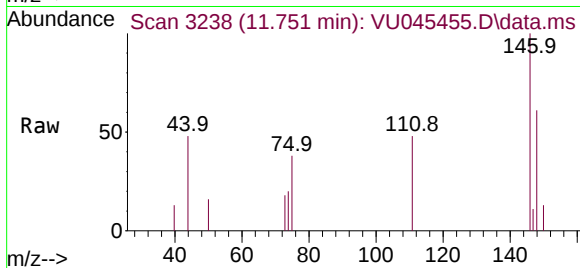
Tgt Ion:146 Resp: 1454

Ion Ratio Lower Upper

146 100

111 45.5 21.3 63.9

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.287 ug/l

RT: 11.751 min Scan# 3238

Delta R.T. -0.087 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

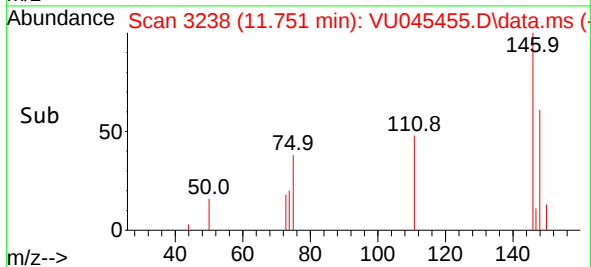
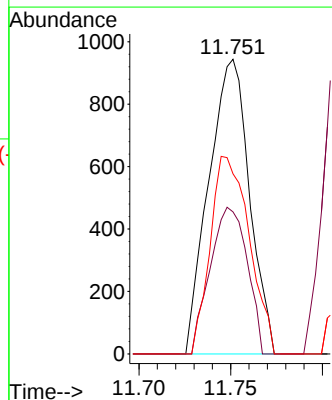
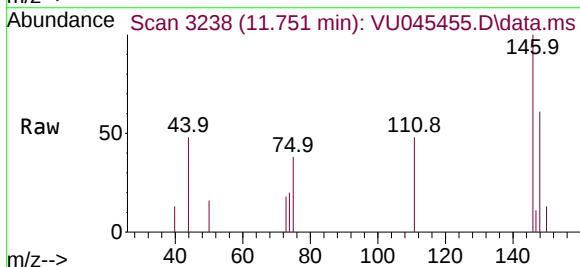
Tgt Ion:146 Resp: 1454

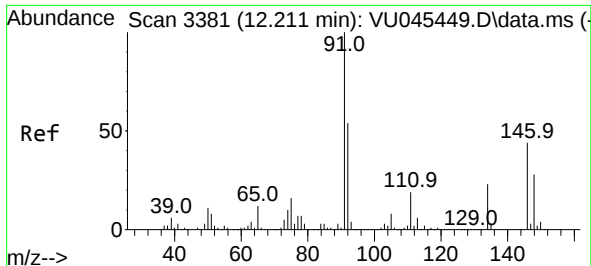
Ion Ratio Lower Upper

146 100

111 45.5 20.6 61.9

148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 1.184 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

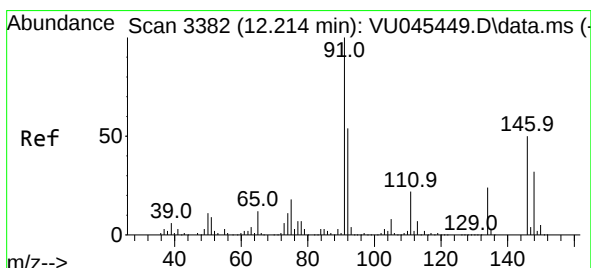
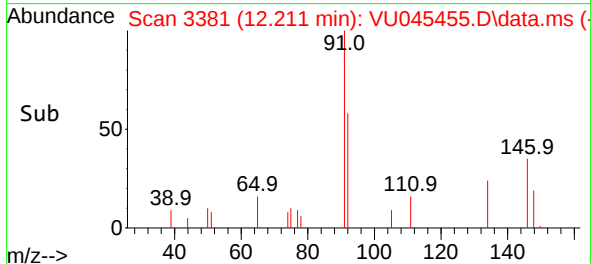
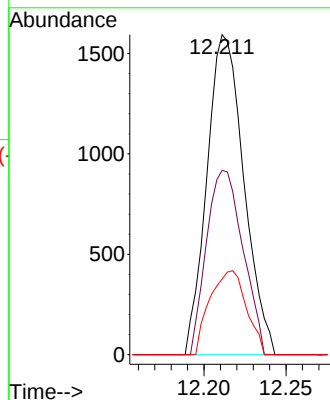
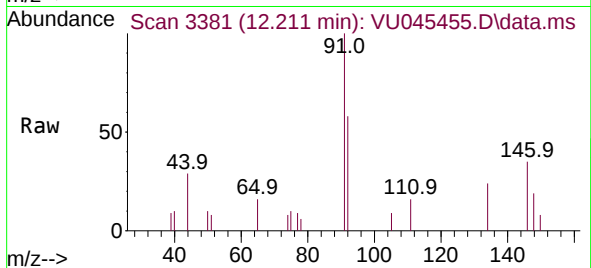
Tgt Ion: 91 Resp: 2496

Ion Ratio Lower Upper

91 100

92 56.7 27.1 81.2

134 25.9 11.8 35.4



#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 12.217 min Scan# 3383

Delta R.T. 0.003 min

Lab File: VU045455.D

Acq: 29 Oct 2021 11:41

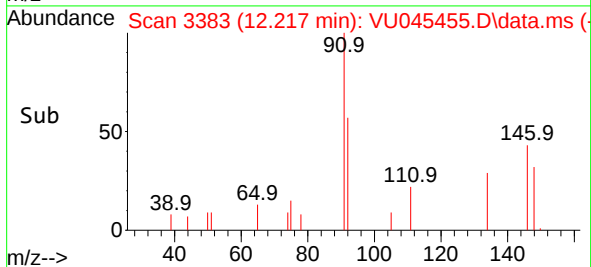
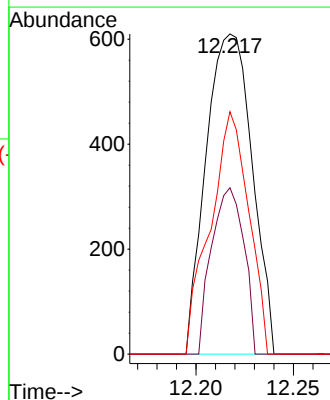
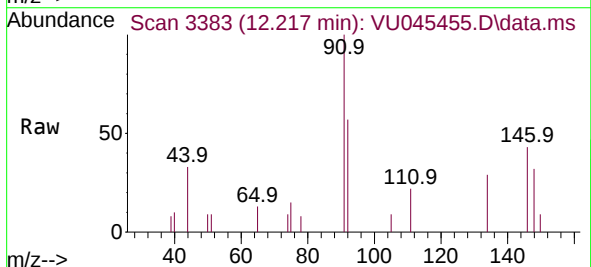
Tgt Ion: 146 Resp: 1004

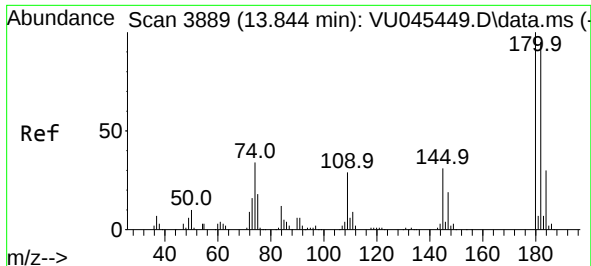
Ion Ratio Lower Upper

146 100

111 36.4 21.9 65.5

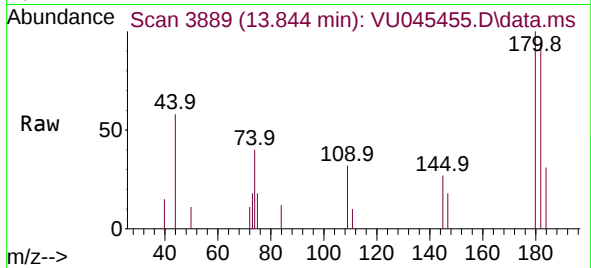
148 63.3 32.1 96.3



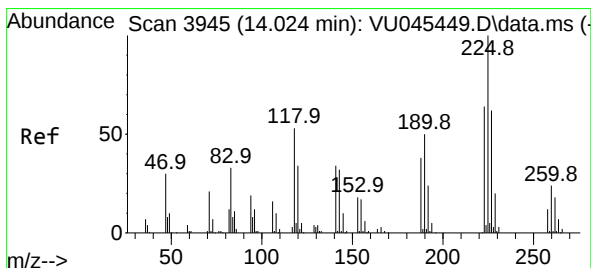
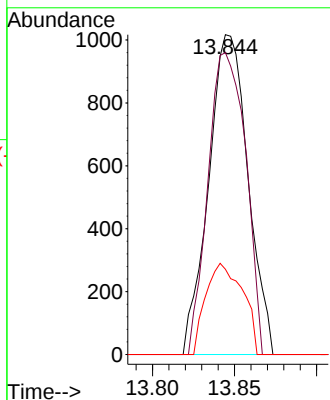
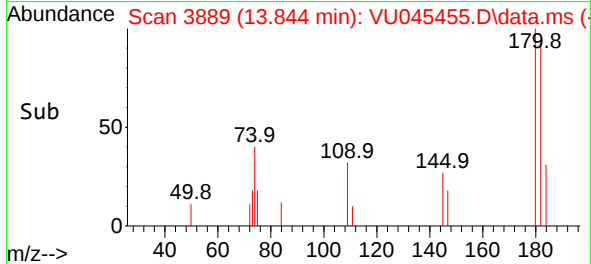


#93
1,2,4-Trichlorobenzene
Concen: 0.510 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

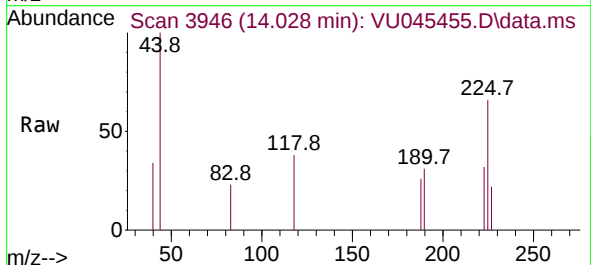
Instrument :
MSVOA_U
ClientSampleId :



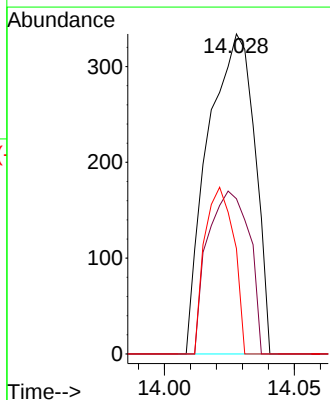
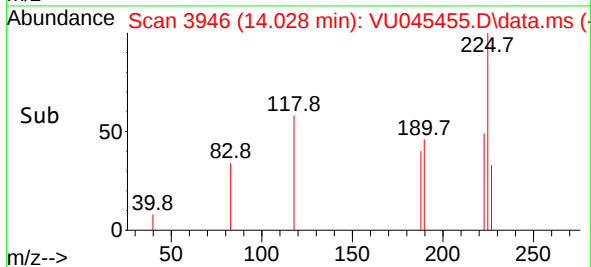
Tgt Ion:180 Resp: 1693
Ion Ratio Lower Upper
180 100
182 90.3 47.0 141.2
145 26.8 15.6 46.7

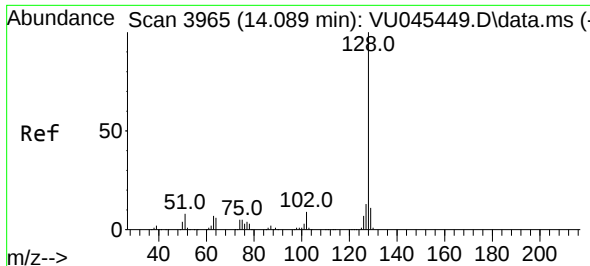


#94
Hexachlorobutadiene
Concen: 0.346 ug/l
RT: 14.028 min Scan# 3946
Delta R.T. 0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41



Tgt Ion:225 Resp: 418
Ion Ratio Lower Upper
225 100
223 45.2 32.0 96.2
227 32.3 31.1 93.5

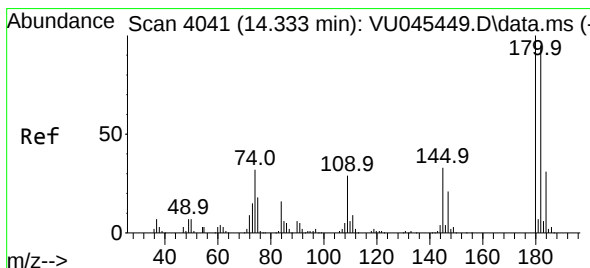
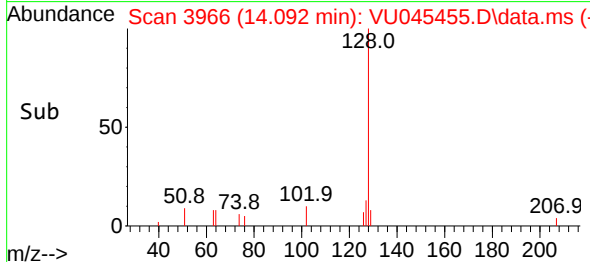
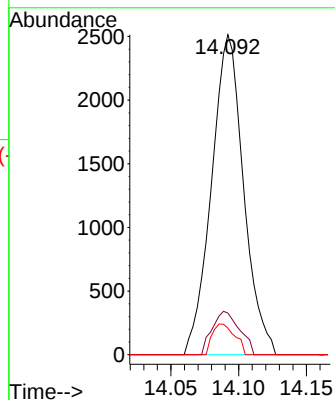
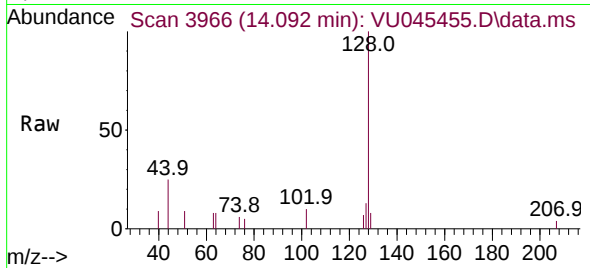




#95
Naphthalene
Concen: 0.415 ug/l
RT: 14.092 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 4142
Ion Ratio Lower Upper
128 100
127 11.6 10.6 15.8
129 6.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.399 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU045455.D
Acq: 29 Oct 2021 11:41

Tgt Ion:180 Resp: 1336
Ion Ratio Lower Upper
180 100
182 105.2 47.7 143.1
145 38.8 16.7 50.0

