

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044886.D
 Acq On : 27 Sep 2021 12:49
 Operator : SY/MD
 Sample : VU0927MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0927MBL01

Quant Time: Sep 27 16:35:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

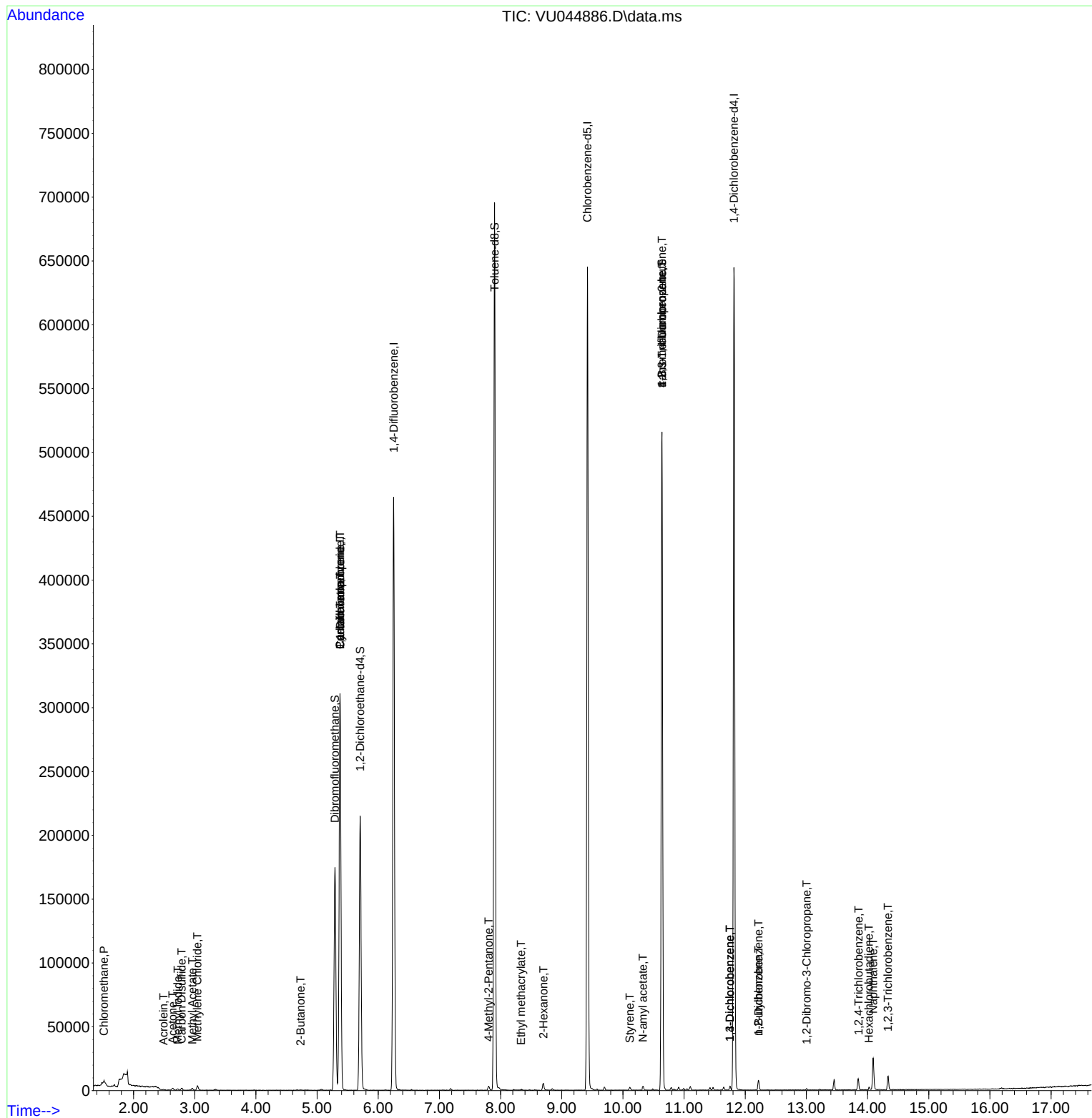
Internal Standards						
1) Pentafluorobenzene	5.375	168	201983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	357602	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	329983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	156927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	160417	45.506	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.020%	
35) Dibromofluoromethane	5.292	113	112685	45.934	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.860%	
50) Toluene-d8	7.903	98	446912	48.235	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.480%	
62) 4-Bromofluorobenzene	10.639	95	171443	49.819	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.640%	
Target Compounds						Qvalue
3) Chloromethane	1.517	50	1278	0.348	ug/l	97
5) Bromomethane	1.835	94	942	Below Cal		95
6) Chloroethane	1.932	64	410	Below Cal	#	42
10) Methyl Iodide	2.723	142	1139	0.427	ug/l #	87
13) Acrolein	2.491	56	143	0.266	ug/l	86
16) Acetone	2.639	43	1779	0.895	ug/l	97
17) Carbon Disulfide	2.787	76	2266	0.331	ug/l #	95
18) Methyl Acetate	2.961	43	2029	0.305	ug/l	97
20) Methylene Chloride	3.041	84	1706	0.530	ug/l	93
25) 2-Butanone	4.729	43	699	0.232	ug/l #	48
31) Cyclohexane	5.375	56	5224	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19308	5.089	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21574	6.360	ug/l #	15
51) 4-Methyl-2-Pentanone	7.806	43	2603	0.469	ug/l	89
56) Ethyl methacrylate	8.337	69	342	1.948	ug/l	91
59) 2-Hexanone	8.700	43	4506	1.011	ug/l	93
70) Styrene	10.115	104	735	1.096	ug/l	99
74) N-amyl acetate	10.327	43	2023	0.356	ug/l #	89
76) 1,2,3-Trichloropropane	10.639	75	92832	19.535	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	92832	63.284	ug/l #	9
87) 1,3-Dichlorobenzene	11.751	146	1471	0.285	ug/l	95
88) 1,4-Dichlorobenzene	11.751	146	1471	0.275	ug/l	96
89) n-Butylbenzene	12.214	91	2980	1.570	ug/l	100
91) 1,2-Dichlorobenzene	12.217	146	1522	0.278	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	13.002	75	383	0.311	ug/l	86
93) 1,2,4-Trichlorobenzene	13.851	180	3199	1.058	ug/l	92
94) Hexachlorobutadiene	14.021	225	463	0.344	ug/l	90
95) Naphthalene	14.092	128	21406	2.688	ug/l	98
96) 1,2,3-Trichlorobenzene	14.333	180	3651	1.187	ug/l	97

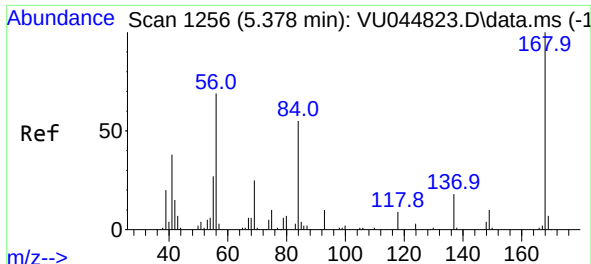
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 16:35:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
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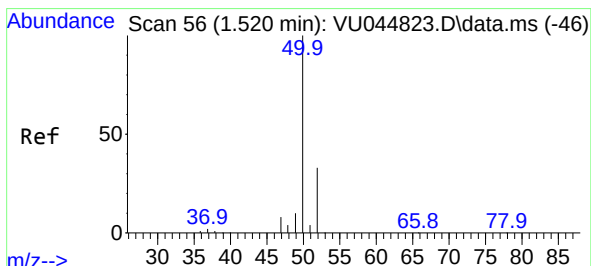
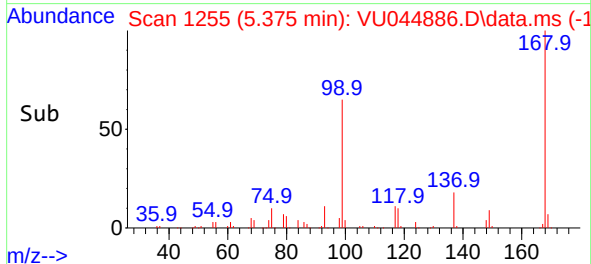
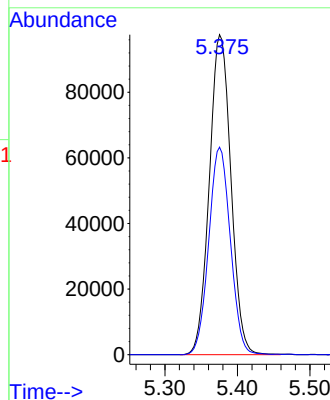
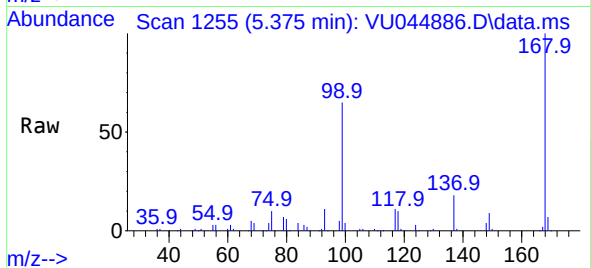




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

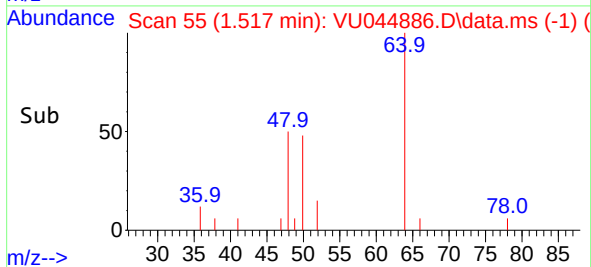
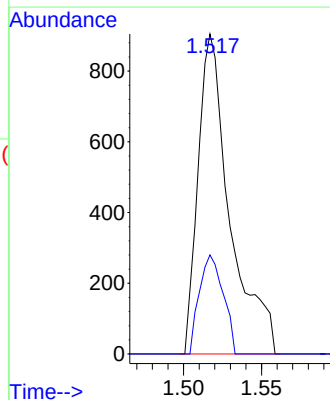
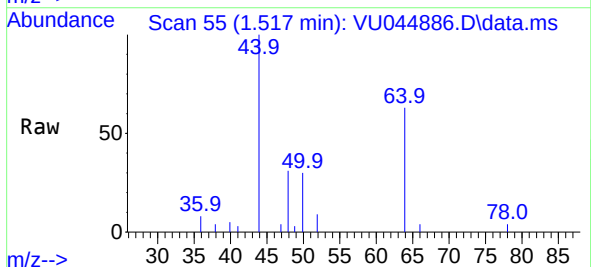
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

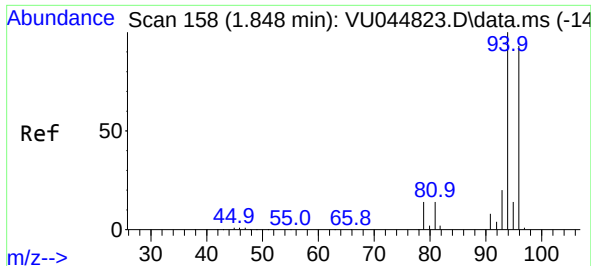
Tgt Ion:168 Resp: 201983
Ion Ratio Lower Upper
168 100
99 64.9 51.4 77.0



#3
Chloromethane
Concen: 0.348 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 50 Resp: 1278
Ion Ratio Lower Upper
50 100
52 30.9 26.3 39.5

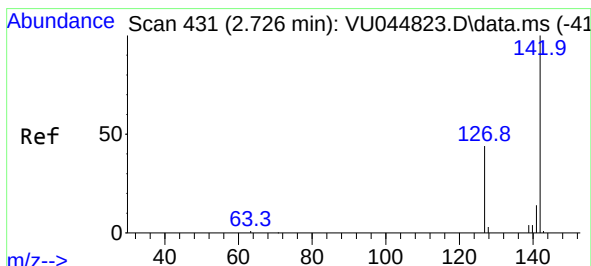
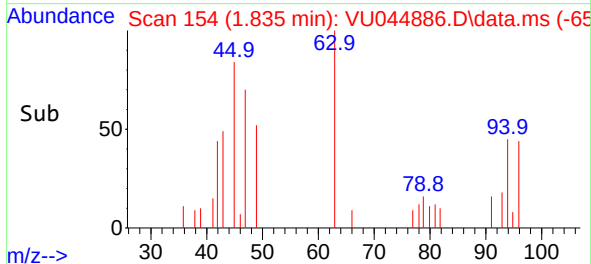
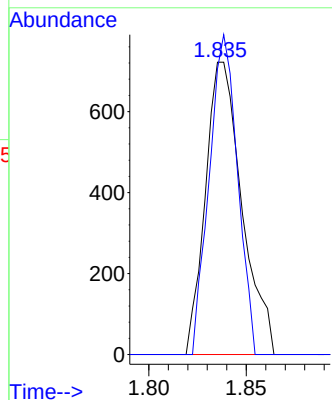
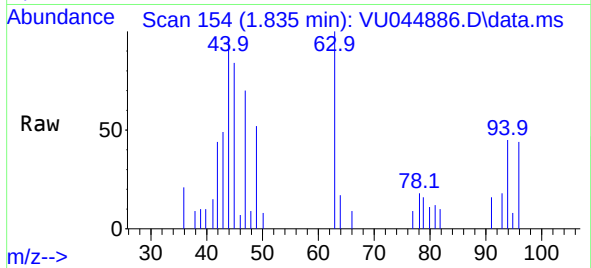




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.013 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

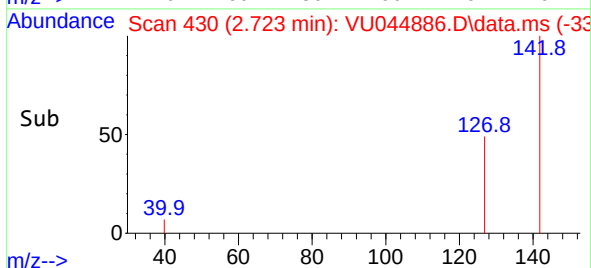
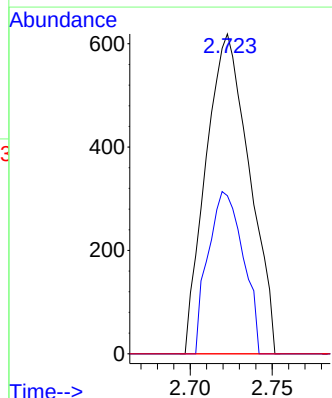
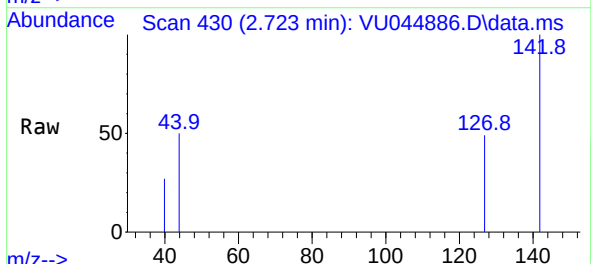
Instrument :
MSVOA_U
ClientSampled :
VU0927MBL01

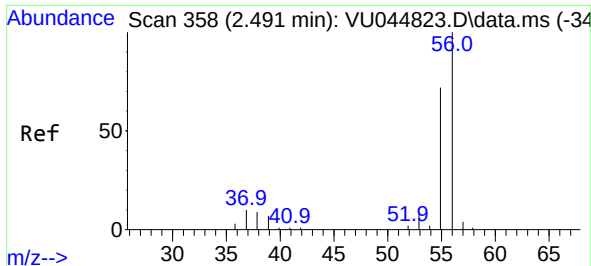
Tgt Ion: 94 Resp: 942
Ion Ratio Lower Upper
94 100
96 97.8 74.5 111.7



#10
Methyl Iodide
Concen: 0.427 ug/l
RT: 2.723 min Scan# 430
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 142 Resp: 1139
Ion Ratio Lower Upper
142 100
127 40.9 35.6 53.4
141 0.0 11.3 16.9#

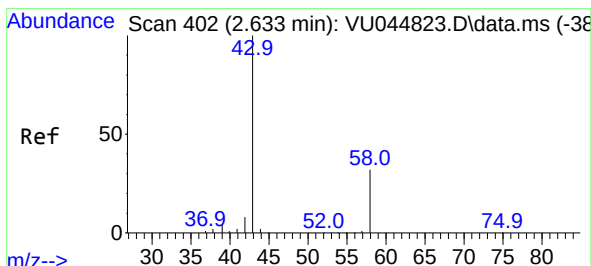
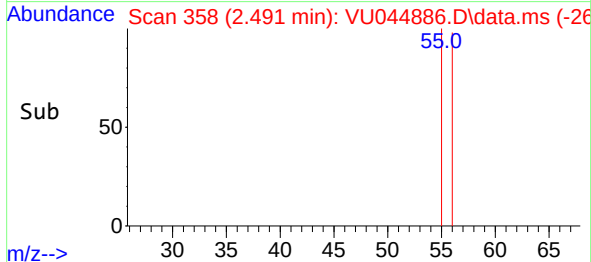
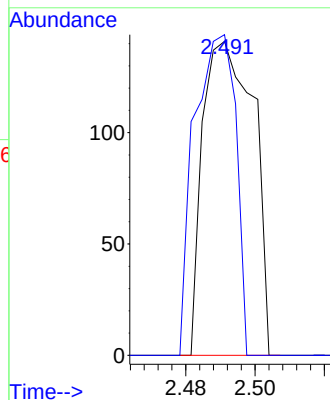
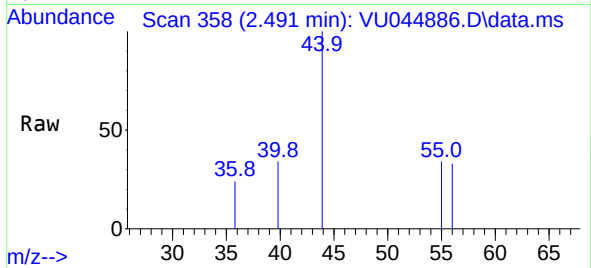




#13
Acrolein
Concen: 0.266 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

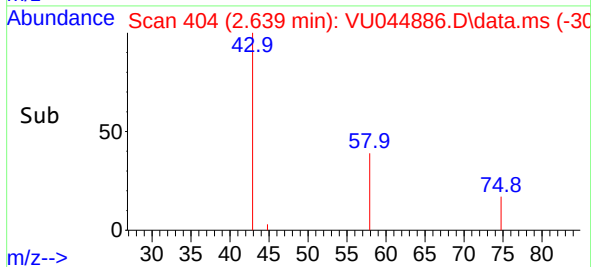
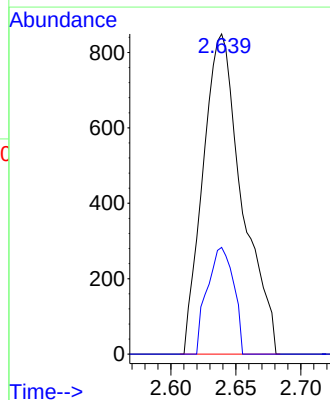
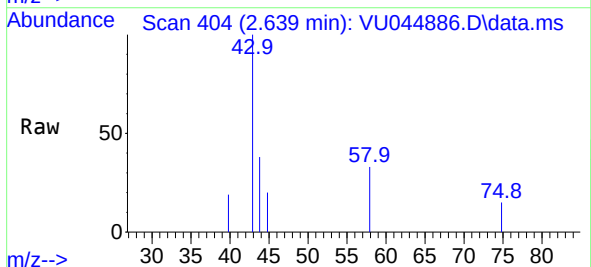
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

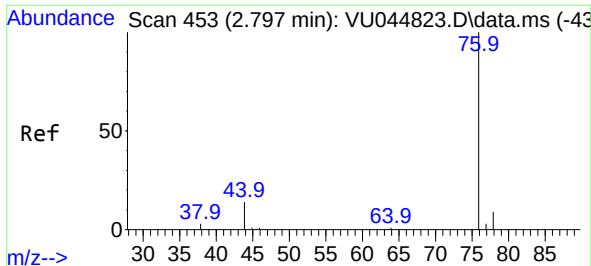
Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 83.2 57.4 86.0



#16
Acetone
Concen: 0.895 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.006 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 33.3 25.2 37.8

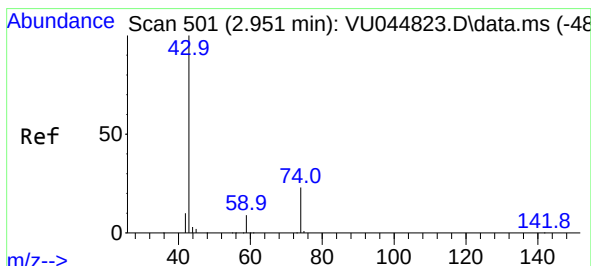
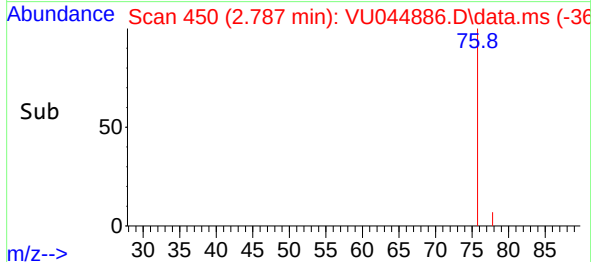
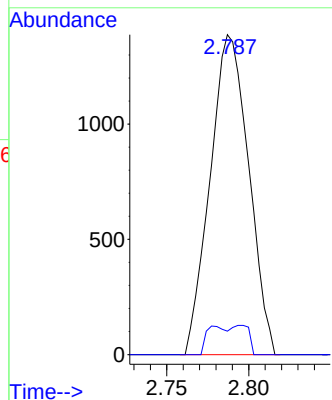
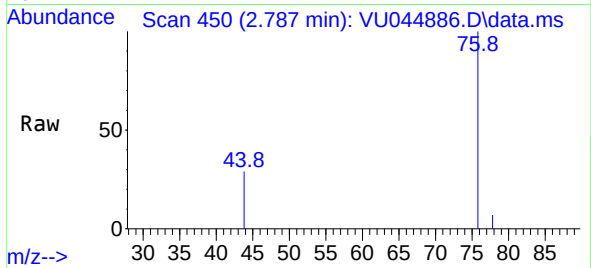




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.787 min Scan# 450
Delta R.T. -0.010 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

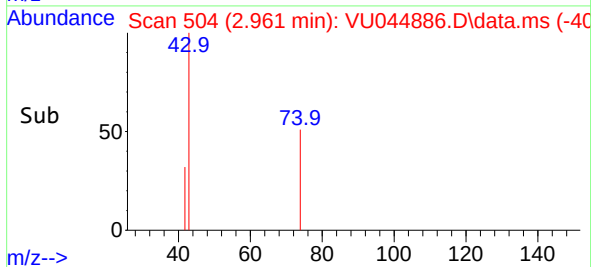
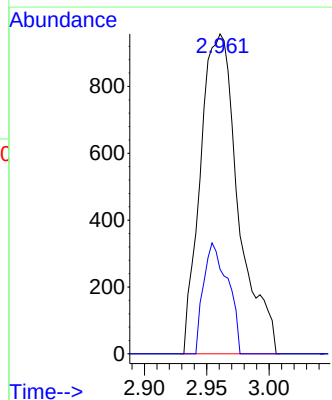
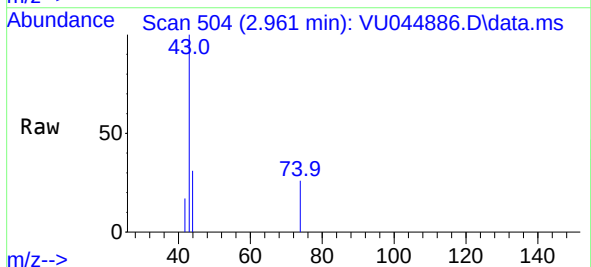
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

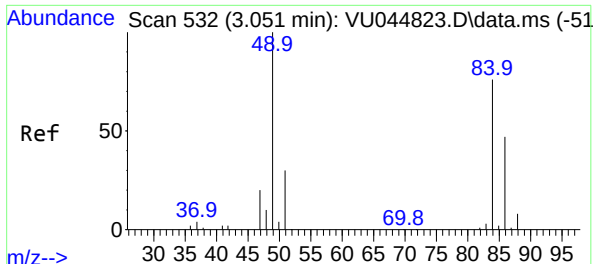
Tgt Ion: 76 Resp: 2266
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#



#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.010 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
74 22.1 19.0 28.6



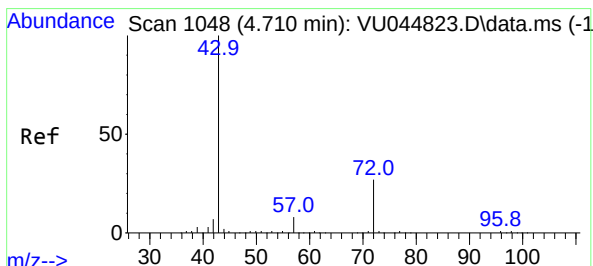
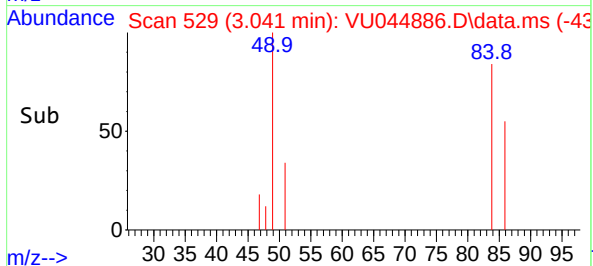
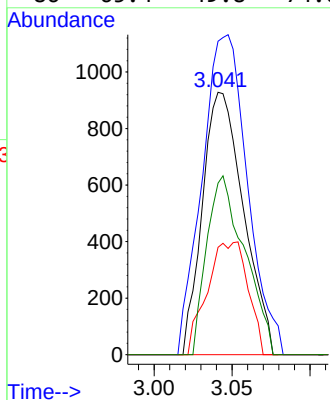
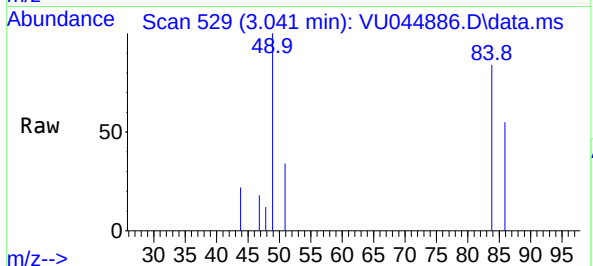


#20
Methylene Chloride
Concen: 0.530 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.010 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

Tgt Ion: 84 Resp: 1706

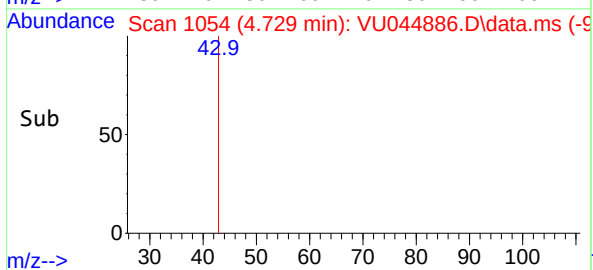
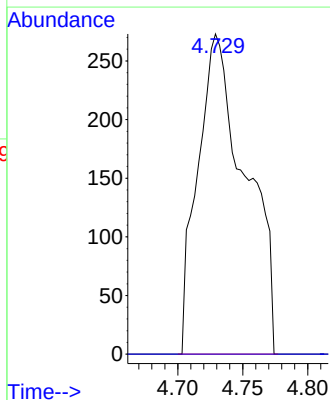
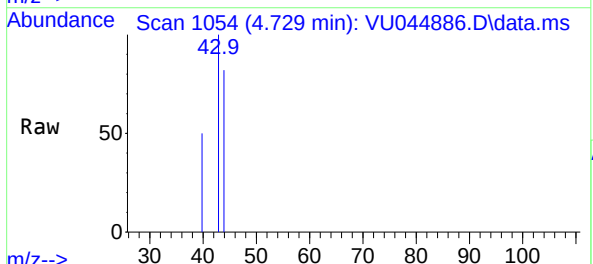
Ion	Ratio	Lower	Upper
84	100		
49	119.5	104.9	157.3
51	40.9	31.8	47.8
86	65.4	49.8	74.6

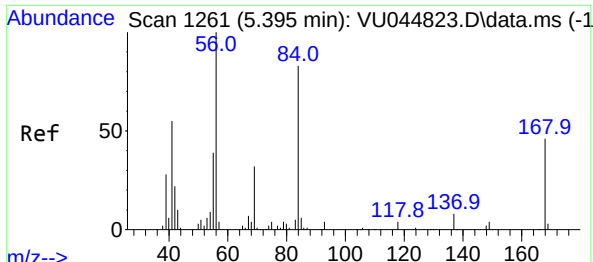


#25
2-Butanone
Concen: 0.232 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 43 Resp: 699

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.3	31.9#

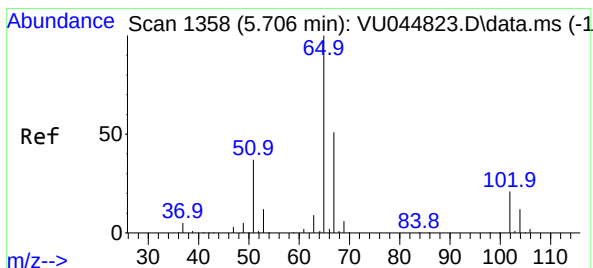
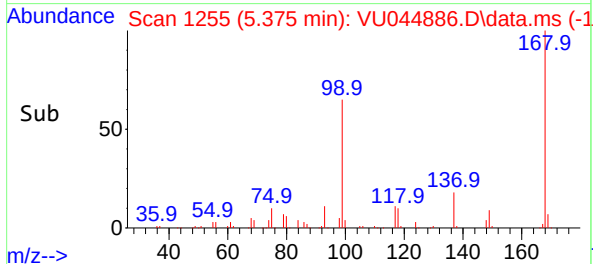
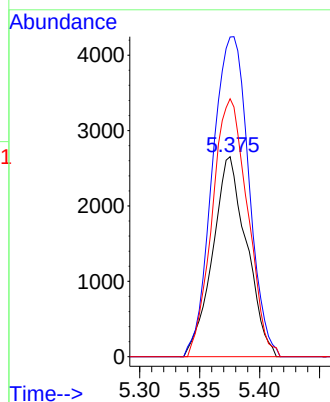
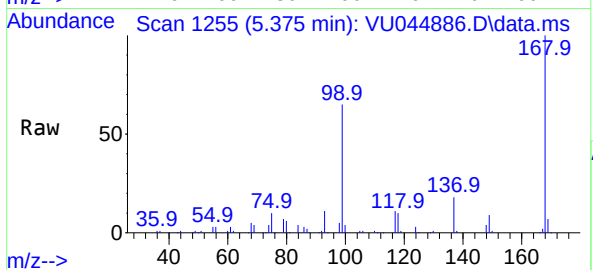




#31
Cyclohexane
Concen: 1.032 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

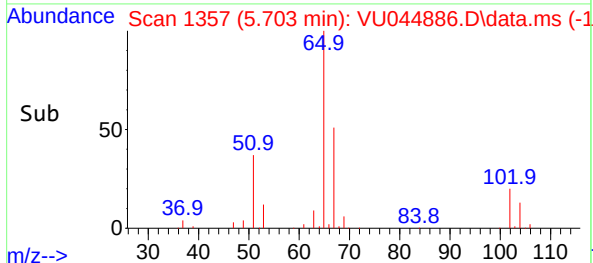
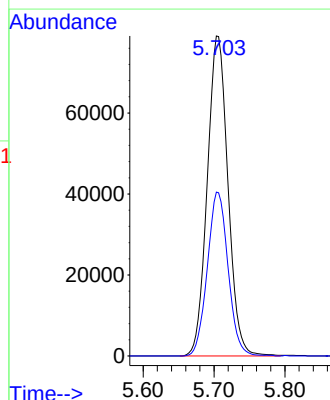
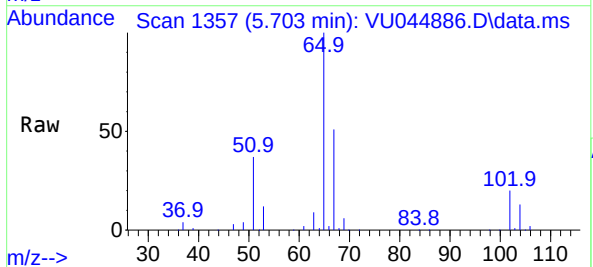
Instrument :
MSVOA_U
ClientSampled :
VU0927MBL01

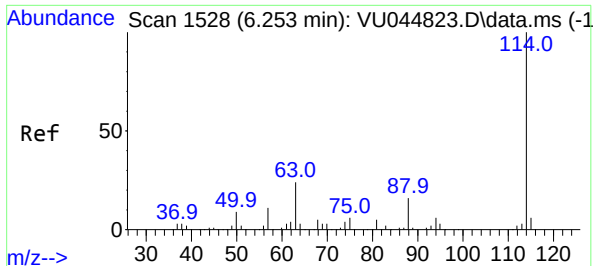
Tgt Ion:	56	Resp:	5224
Ion	Ratio	Lower	Upper
56	100		
69	159.9	25.2	37.8#
84	129.0	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.506 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:	65	Resp:	160417
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8



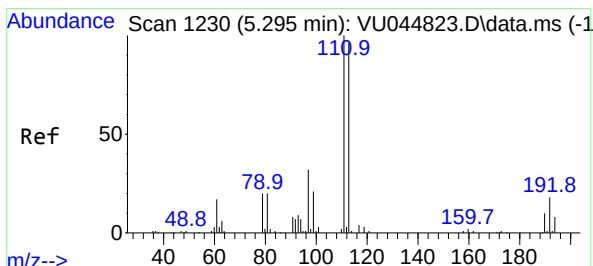
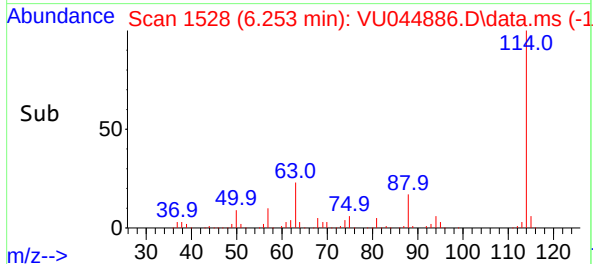
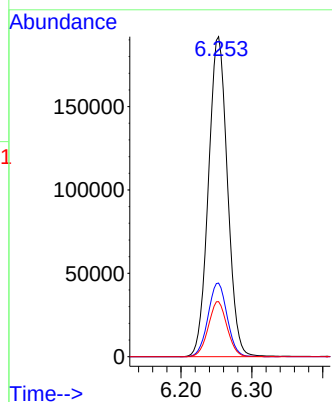
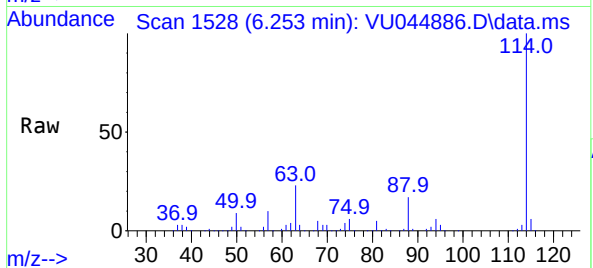


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

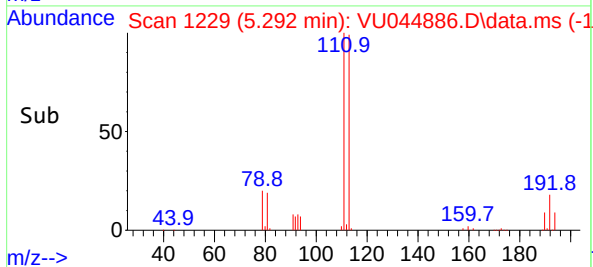
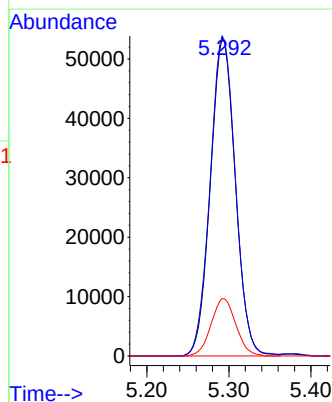
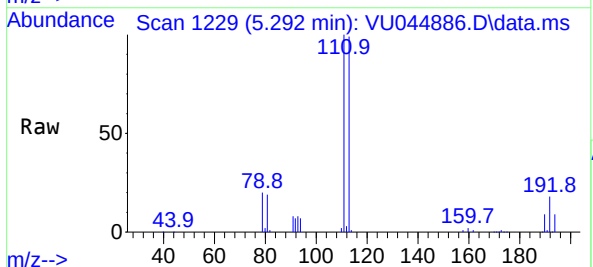
Tgt Ion:114 Resp: 357602
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.8
88 17.2 0.0 32.8

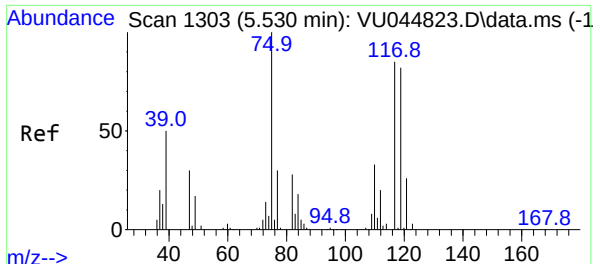


#35

Dibromofluoromethane
Concen: 45.934 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:113 Resp: 112685
Ion Ratio Lower Upper
113 100
111 102.1 84.1 126.1
192 18.0 14.8 22.2

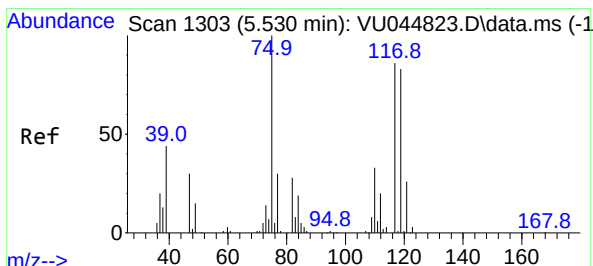
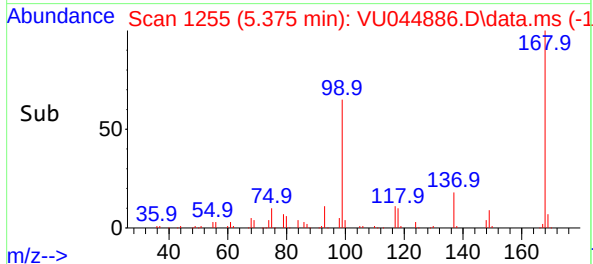
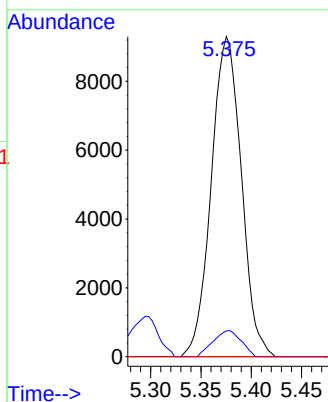
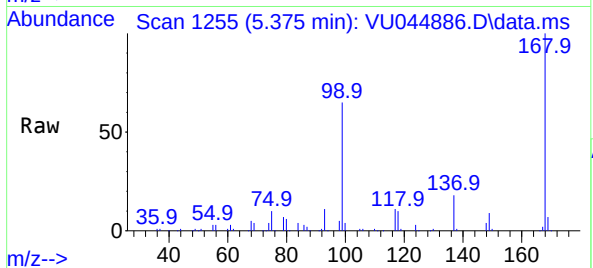




#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

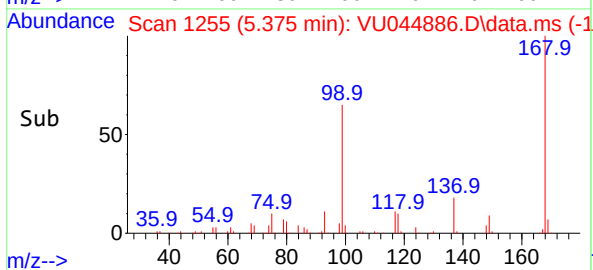
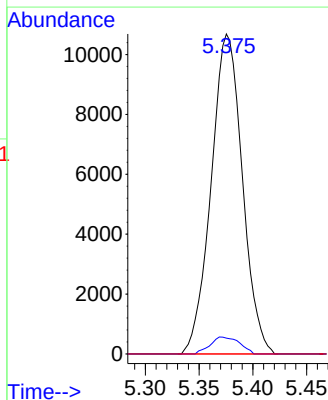
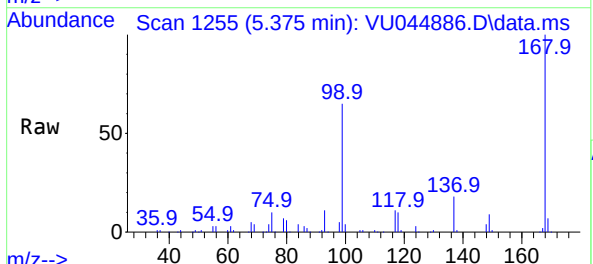
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

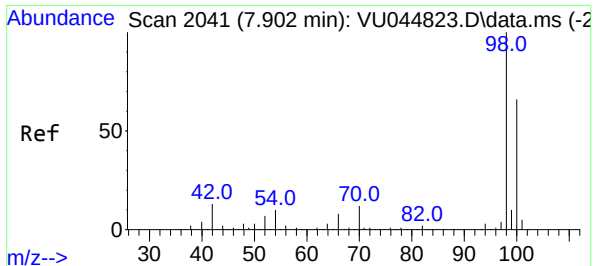
Tgt Ion:	75	Resp:	19308
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.3	48.9#
77	0.0	25.0	37.4#



#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:	117	Resp:	21574
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.4	116.2#
121	0.0	24.5	36.7#

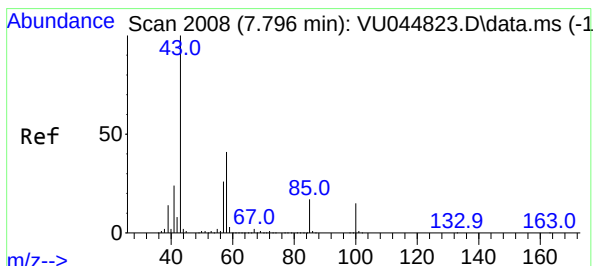
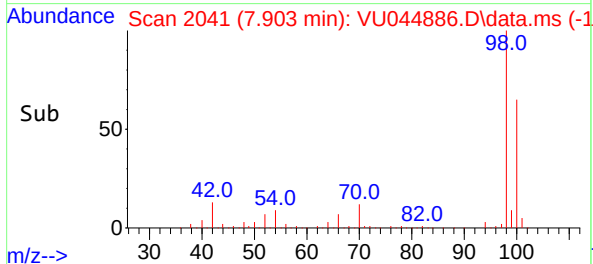
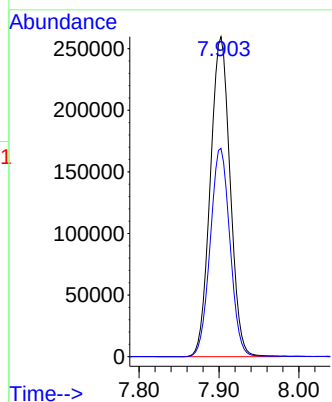
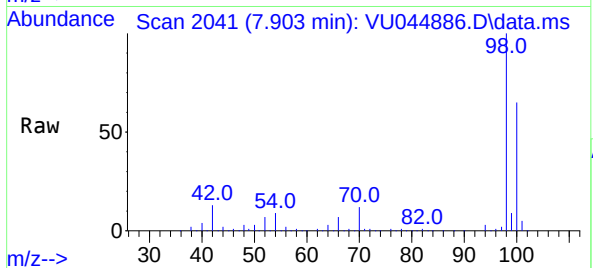




#50
Toluene-d8
Concen: 48.235 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

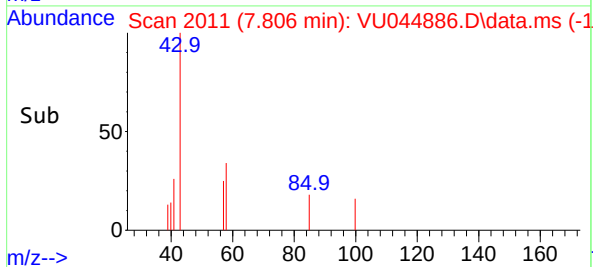
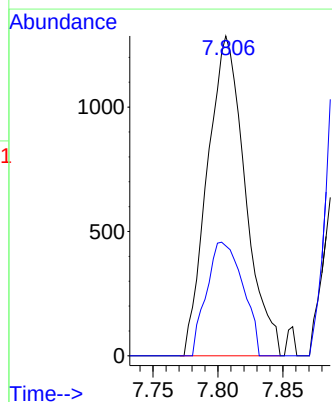
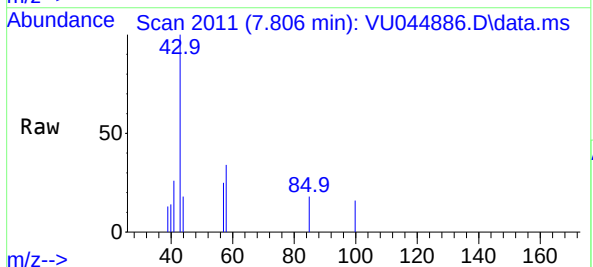
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

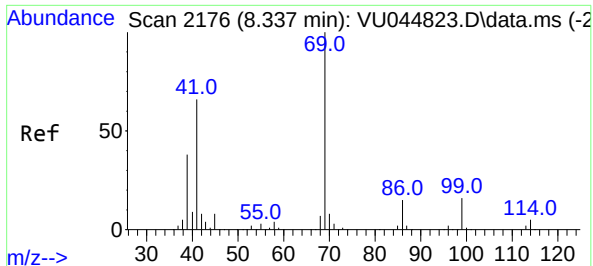
Tgt Ion: 98 Resp: 446912
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.010 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
58 34.0 32.4 48.6

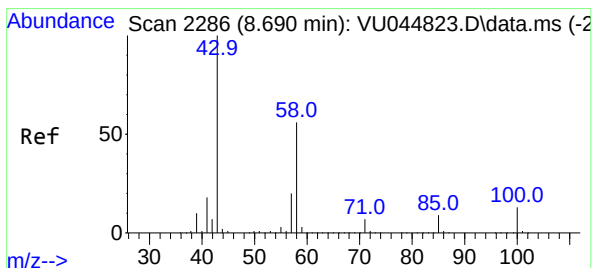
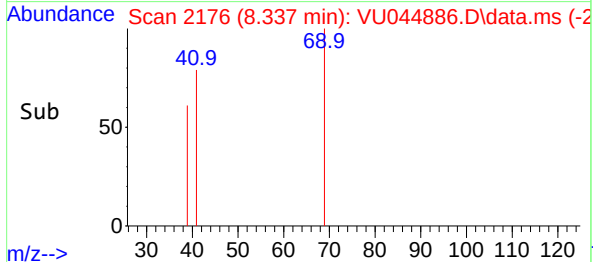
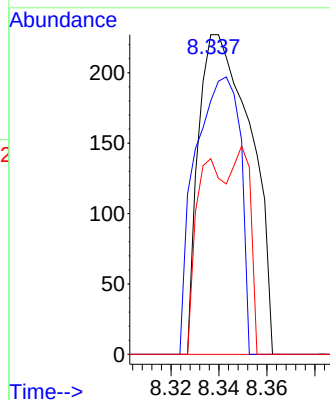
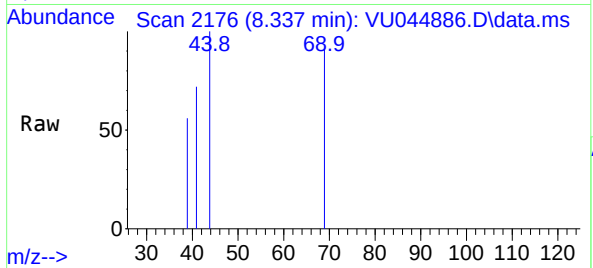




#56
Ethyl methacrylate
Concen: 1.948 ug/l
RT: 8.337 min Scan# 2176
Delta R.T. -0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

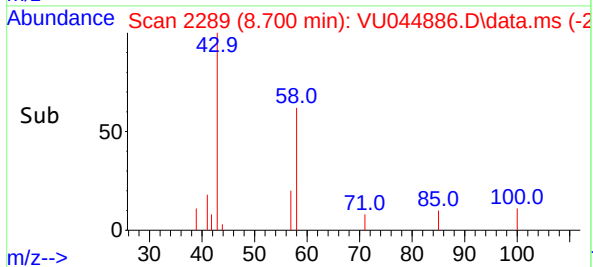
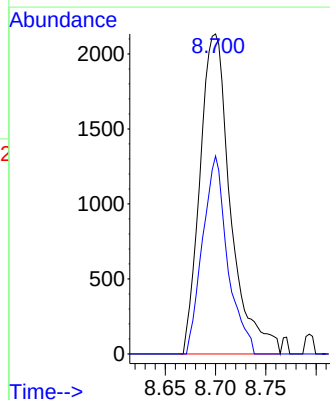
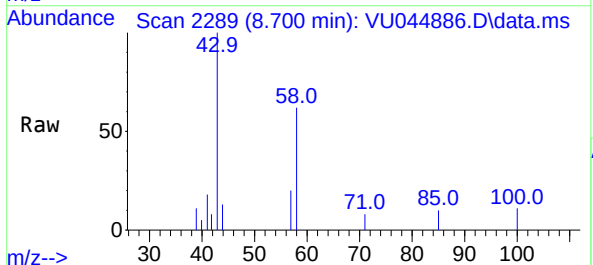
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

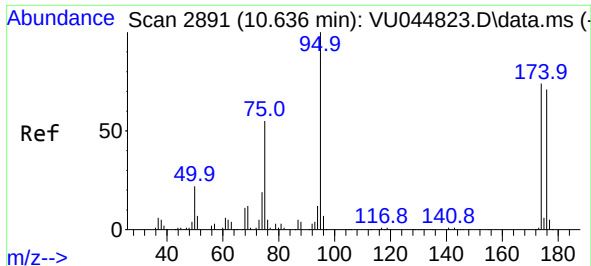
Tgt Ion:	69	Resp:	342
Ion	Ratio	Lower	Upper
69	100		
41	74.9	53.5	80.3
39	35.1	31.1	46.7



#59
2-Hexanone
Concen: 1.011 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.010 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:	43	Resp:	4506
Ion	Ratio	Lower	Upper
43	100		
58	50.6	28.0	84.0

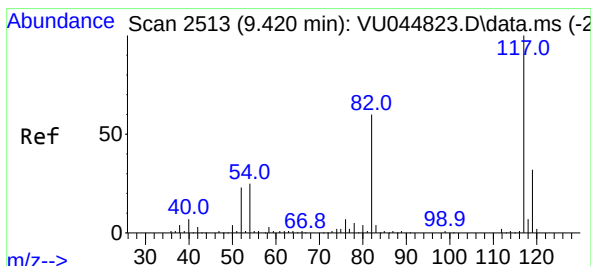
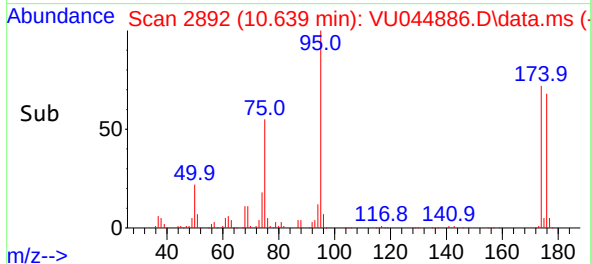
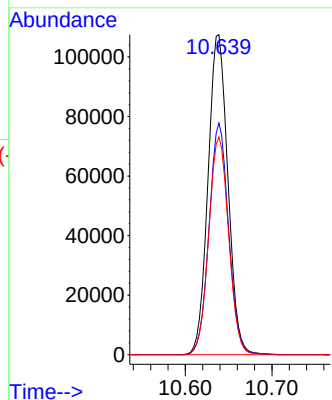
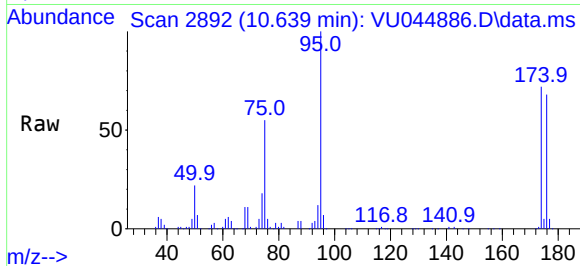




#62
4-Bromofluorobenzene
Concen: 49.819 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

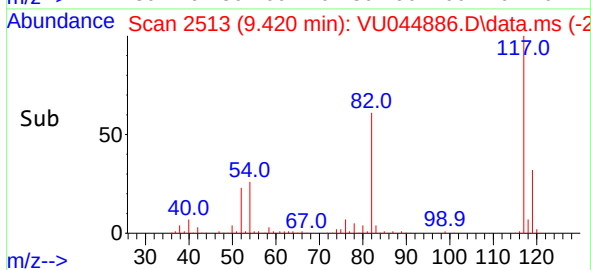
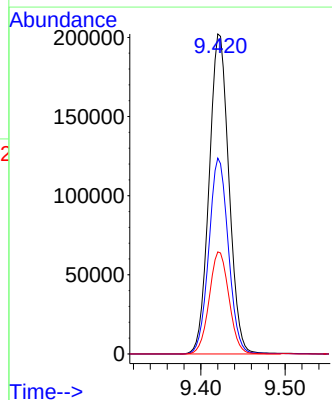
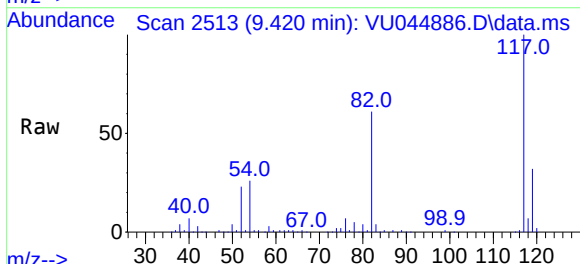
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

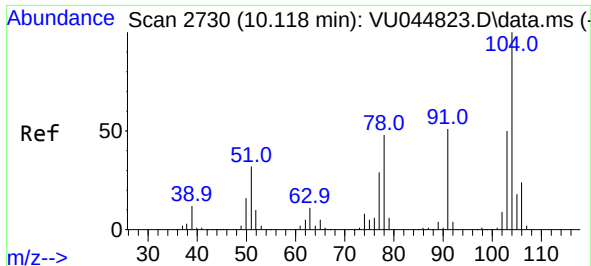
Tgt Ion: 95 Resp: 171443
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 117 Resp: 329983
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 31.9 25.8 38.6

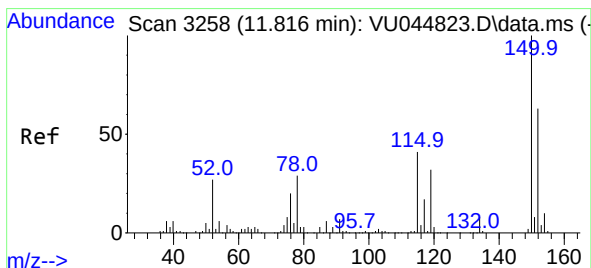
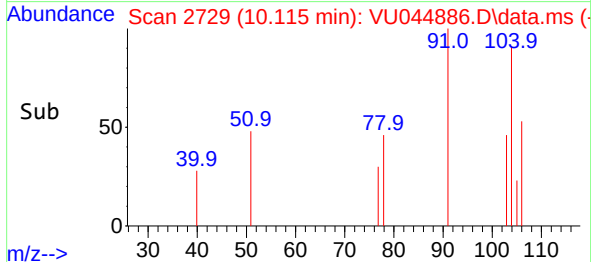
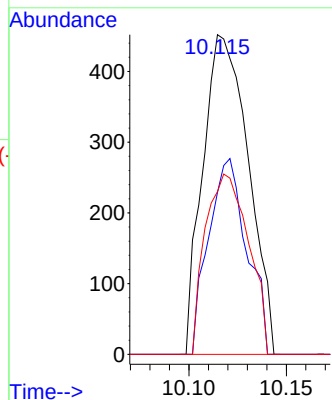
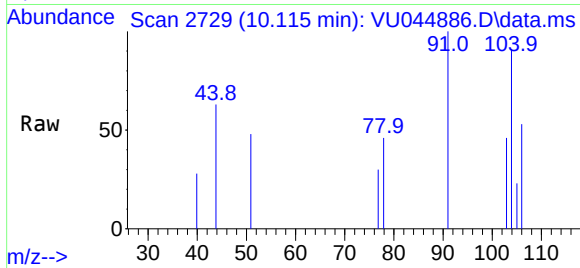




#70
Styrene
Concen: 1.096 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

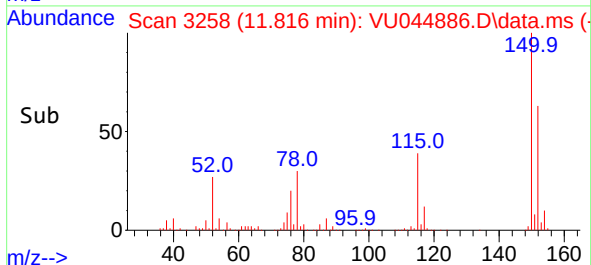
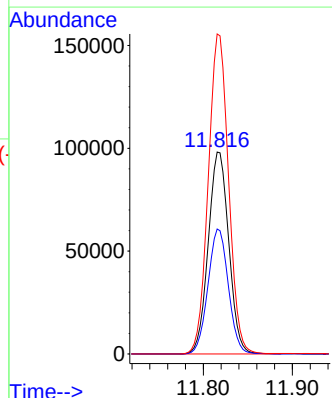
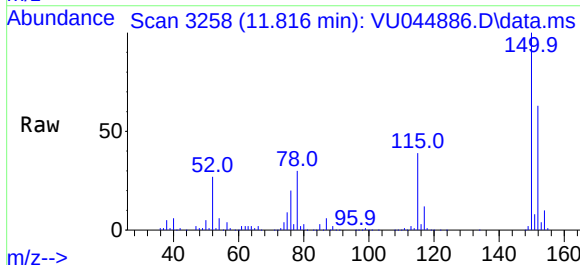
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

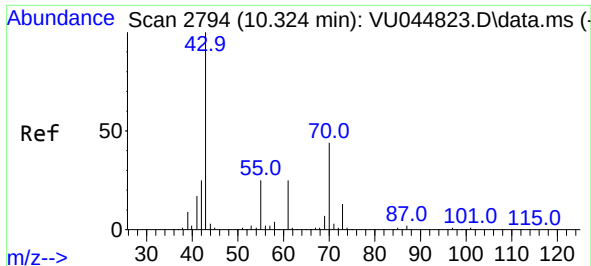
Tgt Ion:104 Resp: 735
Ion Ratio Lower Upper
104 100
78 51.6 41.4 62.0
103 53.6 43.5 65.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:152 Resp: 156927
Ion Ratio Lower Upper
152 100
115 61.5 43.5 130.7
150 156.6 0.0 350.0



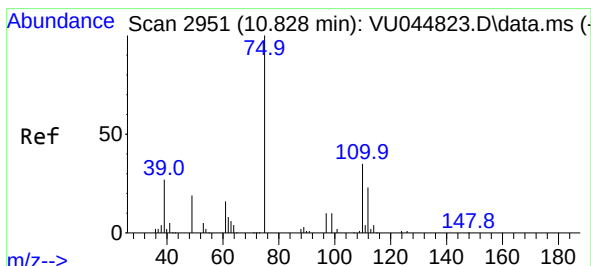
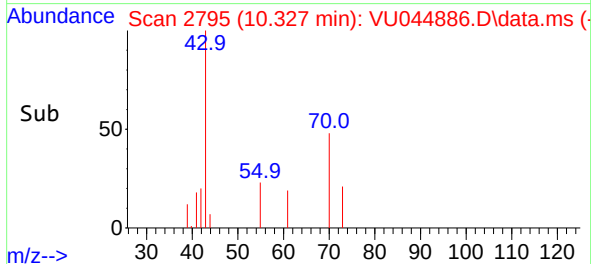
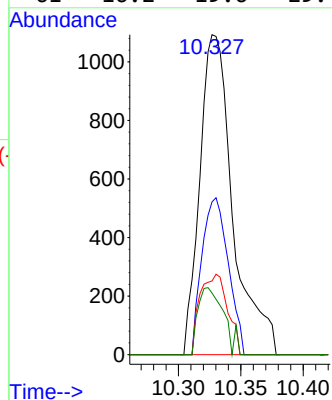
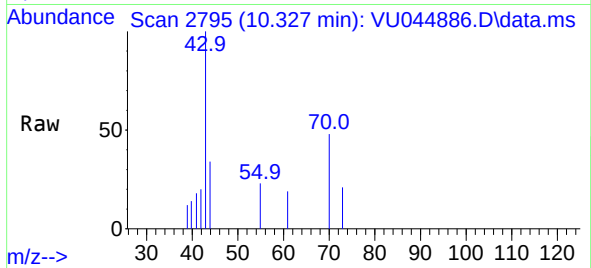


#74
N-amy1 acetate
Concen: 0.356 ug/l
RT: 10.327 min Scan# 2795
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

Tgt Ion: 43 Resp: 2023

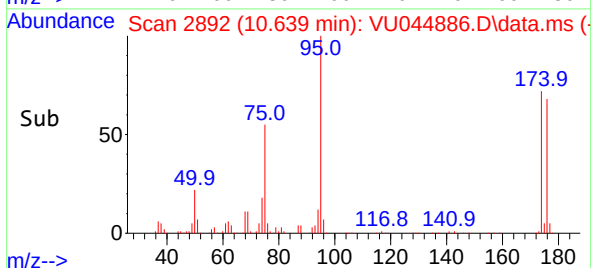
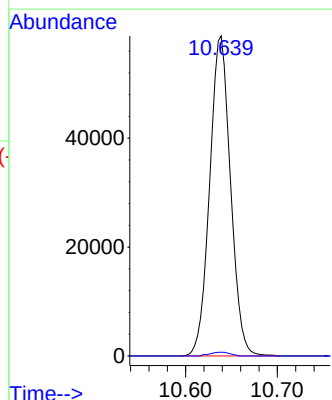
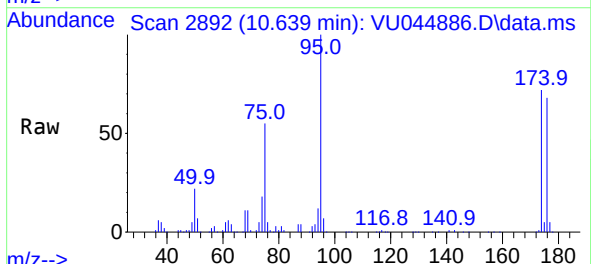
Ion	Ratio	Lower	Upper
43	100		
70	38.9	35.1	52.7
55	20.9	20.5	30.7
61	16.2	19.6	29.4#

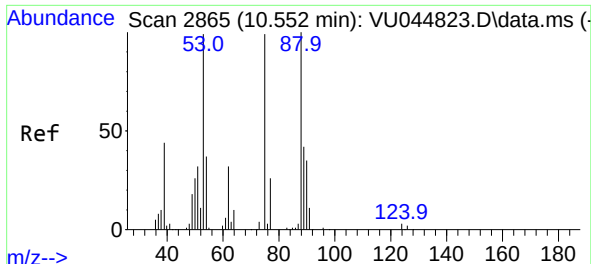


#76
1,2,3-Trichloropropane
Concen: 19.535 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.190 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 75 Resp: 92832

Ion	Ratio	Lower	Upper
75	100		
77	1.1	17.9	53.7#

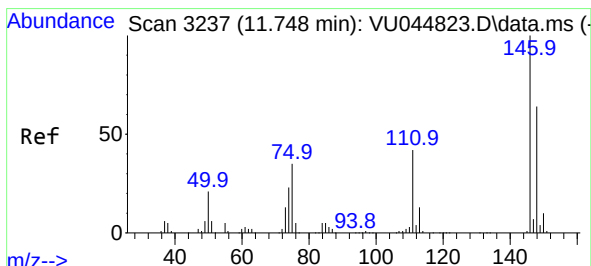
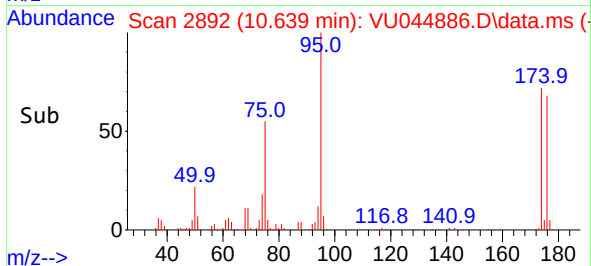
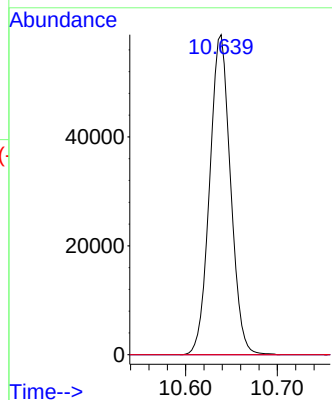
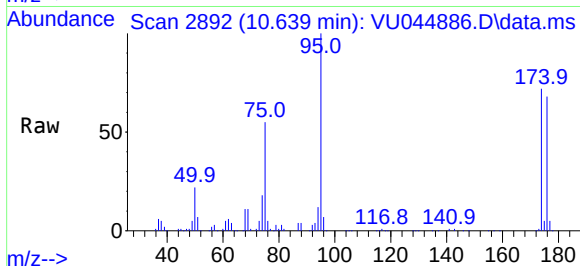




#81
trans-1,4-Dichloro-2-butene
Concen: 63.284 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

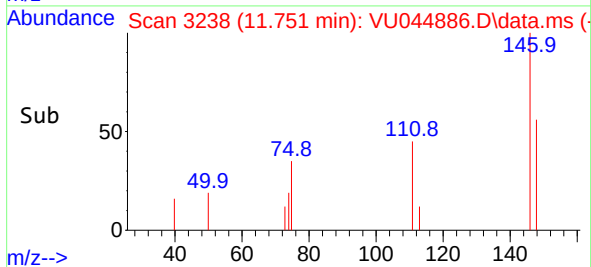
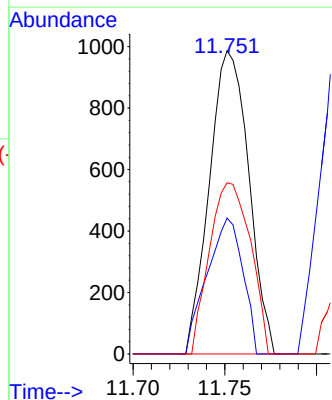
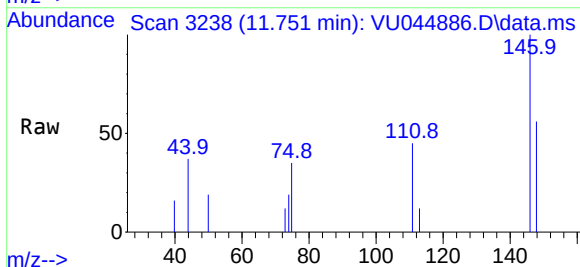
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

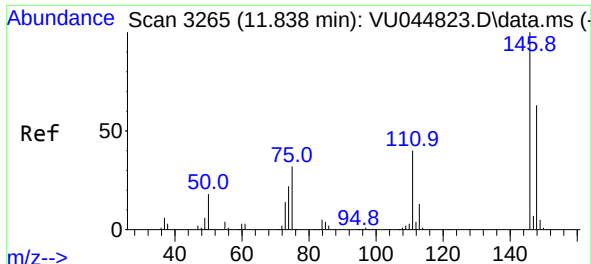
Tgt Ion: 75 Resp: 92832
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#87
1,3-Dichlorobenzene
Concen: 0.285 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:146 Resp: 1471
Ion Ratio Lower Upper
146 100
111 40.7 21.2 63.6
148 58.8 32.1 96.3

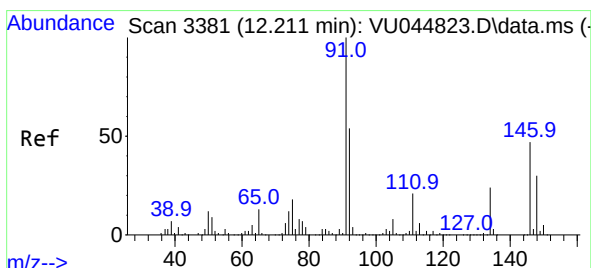
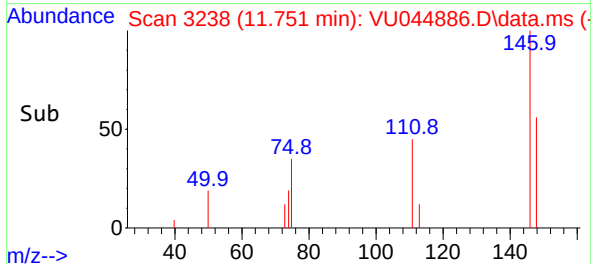
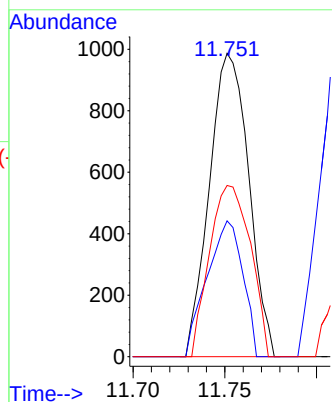
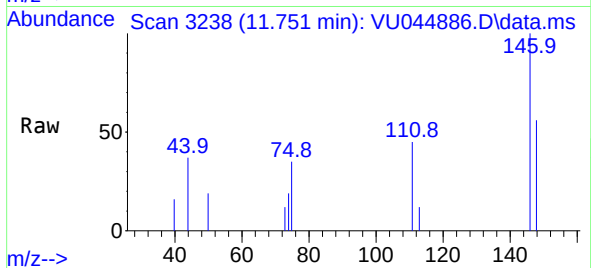




#88
1,4-Dichlorobenzene
Concen: 0.275 ug/l
RT: 11.751 min Scan# 3238
Delta R.T. -0.087 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

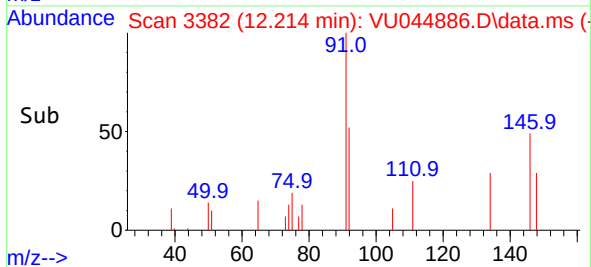
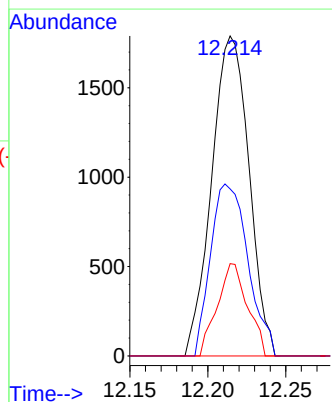
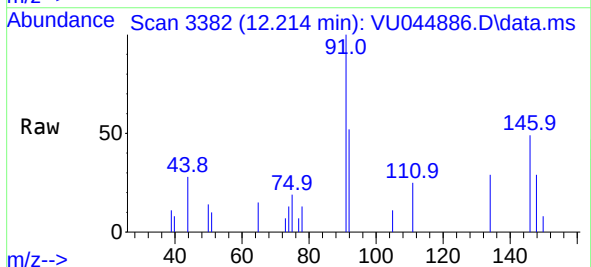
Instrument :
MSVOA_U
ClientSampled :
VU0927MBL01

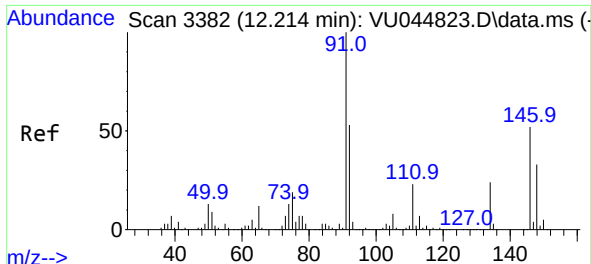
Tgt Ion:146 Resp: 1471
Ion Ratio Lower Upper
146 100
111 40.7 20.3 61.0
148 58.8 31.8 95.3



#89
n-Butylbenzene
Concen: 1.570 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 91 Resp: 2980
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 23.3 11.8 35.4

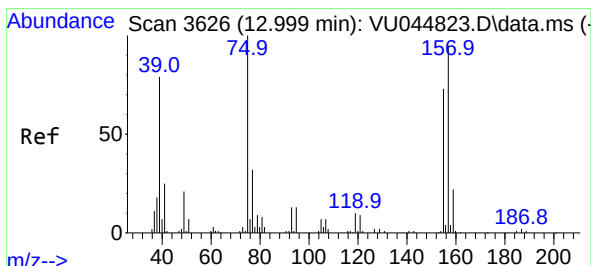
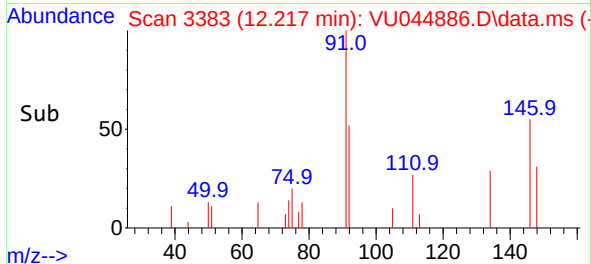
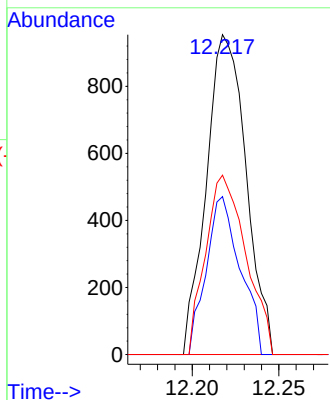
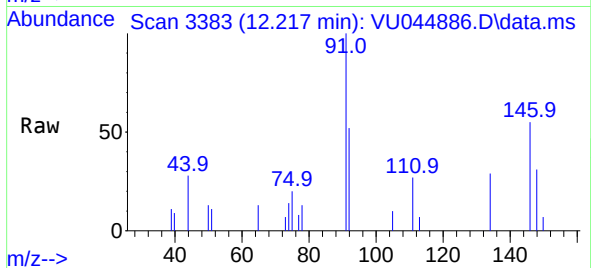




#91
1,2-Dichlorobenzene
Concen: 0.278 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

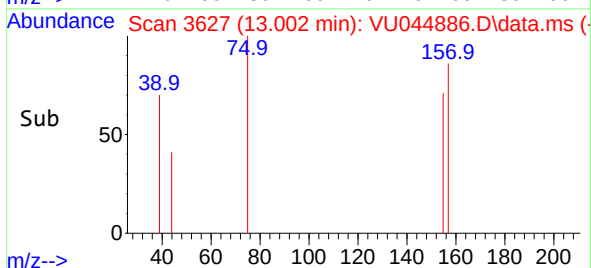
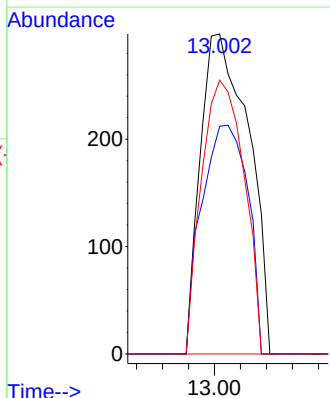
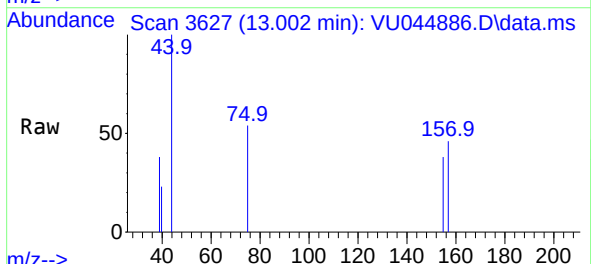
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

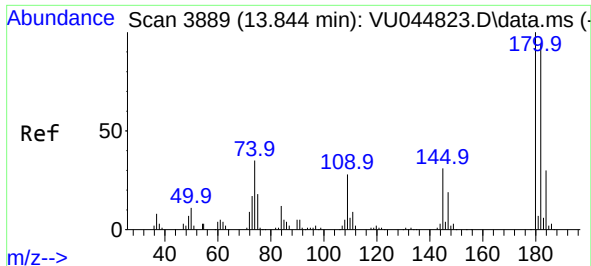
Tgt Ion:146 Resp: 1522
Ion Ratio Lower Upper
146 100
111 42.4 21.4 64.3
148 56.9 31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.311 ug/l
RT: 13.002 min Scan# 3627
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion: 75 Resp: 383
Ion Ratio Lower Upper
75 100
155 68.4 36.9 110.6
157 75.5 47.8 143.3

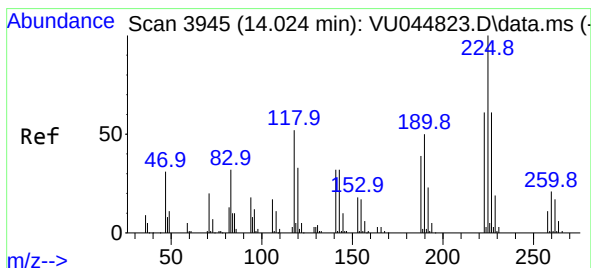
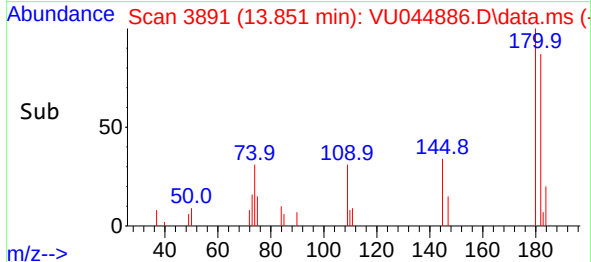
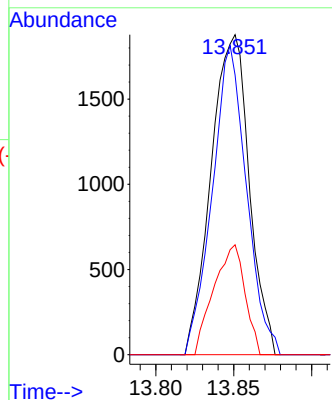
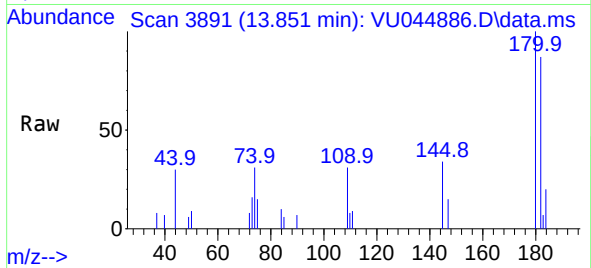




#93
1,2,4-Trichlorobenzene
Concen: 1.058 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.006 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

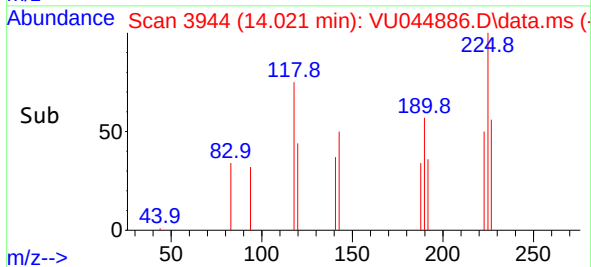
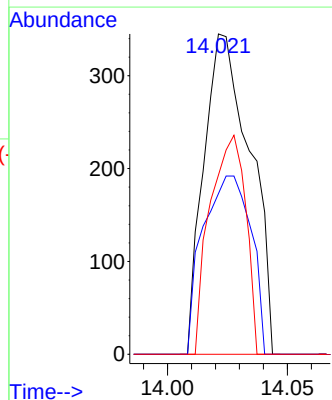
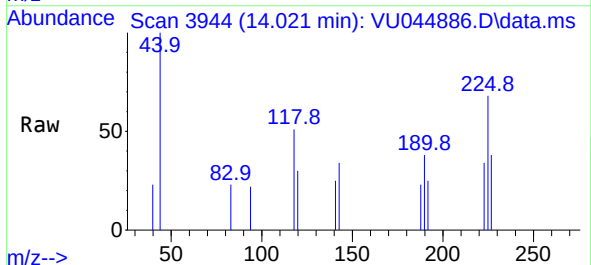
Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01

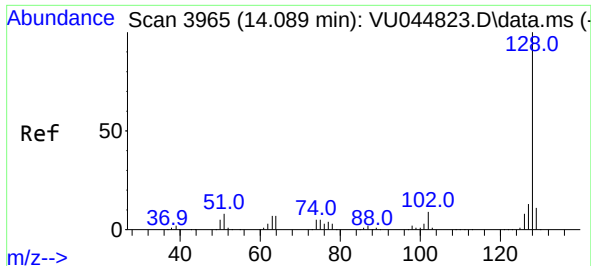
Tgt Ion:180 Resp: 3199
Ion Ratio Lower Upper
180 100
182 86.7 47.4 142.3
145 28.1 15.4 46.2



#94
Hexachlorobutadiene
Concen: 0.344 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. -0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

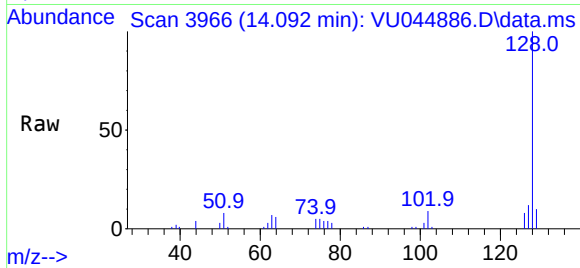
Tgt Ion:225 Resp: 463
Ion Ratio Lower Upper
225 100
223 57.5 31.1 93.3
227 52.5 31.4 94.3



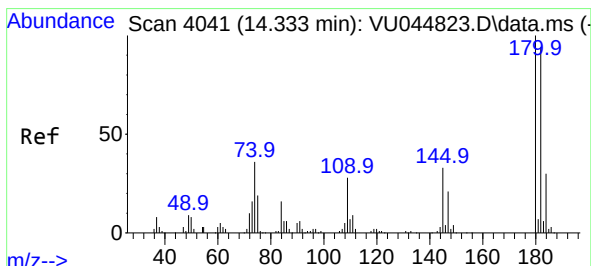
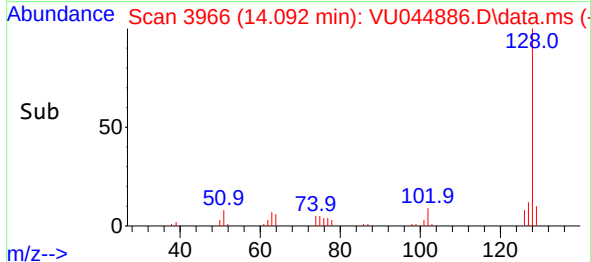
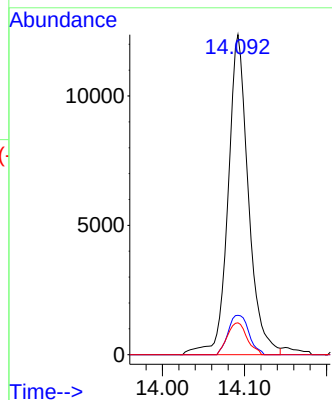


#95
Naphthalene
Concen: 2.688 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Instrument :
MSVOA_U
ClientSampleId :
VU0927MBL01



Tgt Ion:128 Resp: 21406
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 9.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.187 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU044886.D
Acq: 27 Sep 2021 12:49

Tgt Ion:180 Resp: 3651
Ion Ratio Lower Upper
180 100
182 91.5 47.1 141.4
145 30.2 16.4 49.2

