

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044920.D
 Acq On : 28 Sep 2021 04:38
 Operator : SY/MD
 Sample : M3915-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-20210922

Quant Time: Sep 28 06:32:10 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)

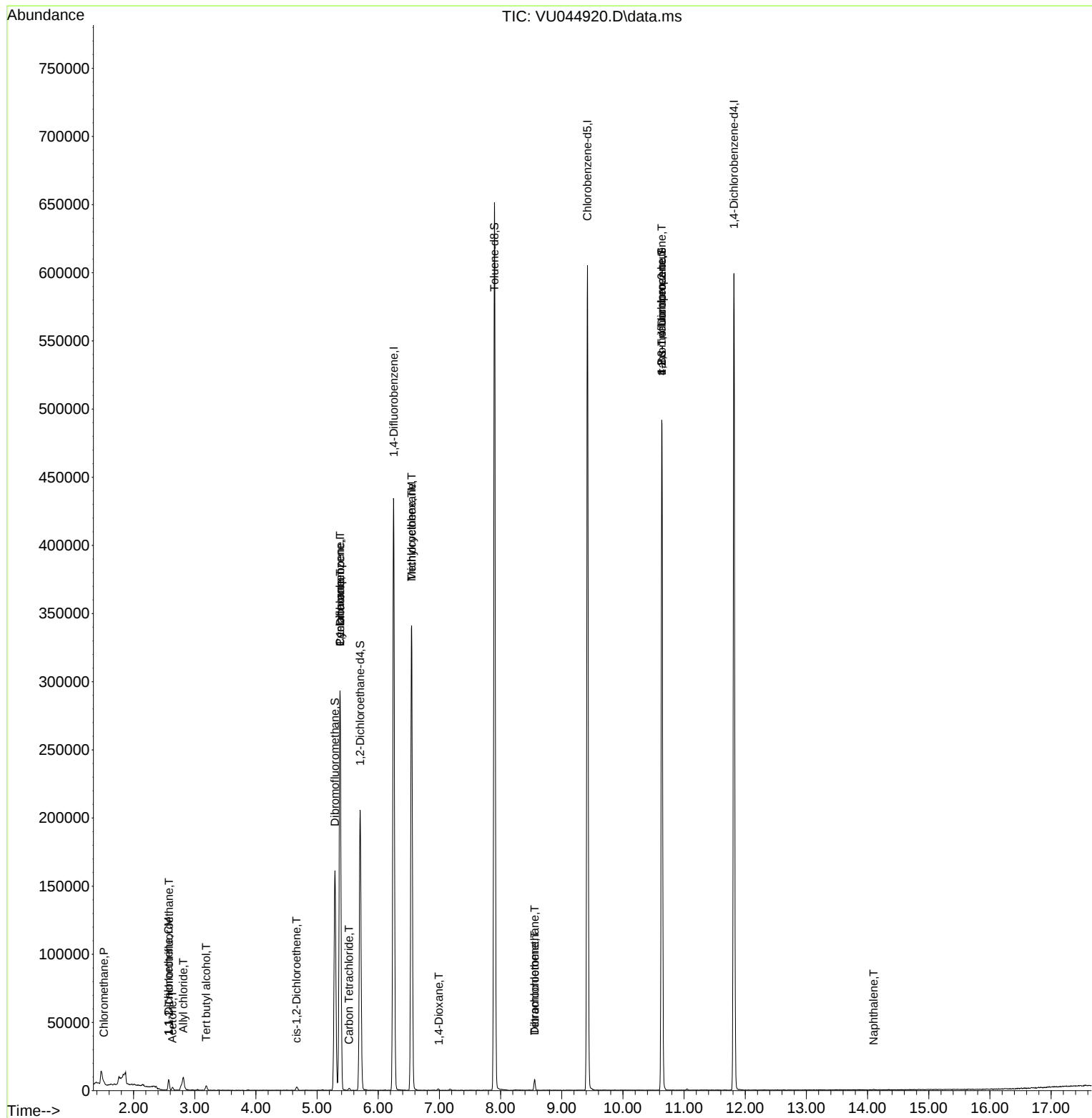
Internal Standards						
1) Pentafluorobenzene	5.375	168	190810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	335034	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	309901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	145084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	152031	45.653	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.300%	
35) Dibromofluoromethane	5.292	113	101690	44.244	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.480%	
50) Toluene-d8	7.899	98	418236	48.181	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.360%	
62) 4-Bromofluorobenzene	10.635	95	160905	49.907	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	714	0.206	ug/l #	86
5) Bromomethane	1.835	94	399	Below Cal	#	80
9) 1,1,2-Trichlorotrifluo...	2.578	101	2802	1.207	ug/l	98
11) Tert butyl alcohol	3.186	59	2248	2.313	ug/l #	72
12) 1,1-Dichloroethene	2.571	96	524	0.228	ug/l #	78
14) Allyl chloride	2.813	41	1359	0.305	ug/l #	58
16) Acetone	2.636	43	2032	1.082	ug/l	100
27) cis-1,2-Dichloroethene	4.665	96	1287	0.430	ug/l	85
31) Cyclohexane	5.375	56	5037	1.054	ug/l #	4
36) 1,1-Dichloropropene	5.375	75	17859	5.024	ug/l #	49
38) Carbon Tetrachloride	5.520	117	914	0.288	ug/l #	80
39) Methylcyclohexane	6.546	83	1375	0.342	ug/l #	1
44) Trichloroethene	6.546	130	108571	41.682	ug/l	99
49) 1,4-Dioxane	6.989	88	804	9.134	ug/l #	82
60) Dibromochloromethane	8.555	129	1612	0.608	ug/l #	10
64) Tetrachloroethene	8.555	164	1720	0.819	ug/l #	82
76) 1,2,3-Trichloropropane	10.635	75	87542	19.926	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	87542	64.549	ug/l #	9
95) Naphthalene	14.098	128	493	0.987	ug/l #	69

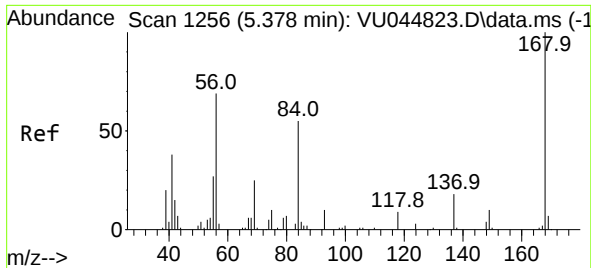
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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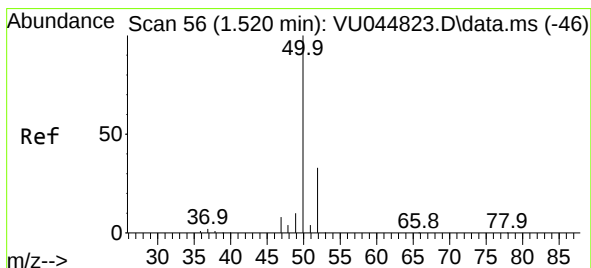
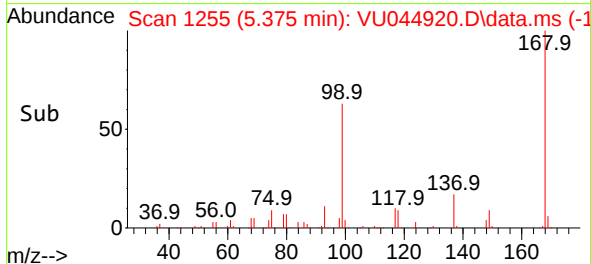
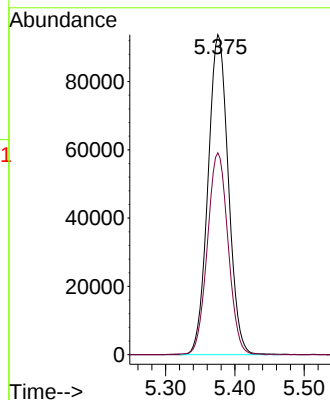
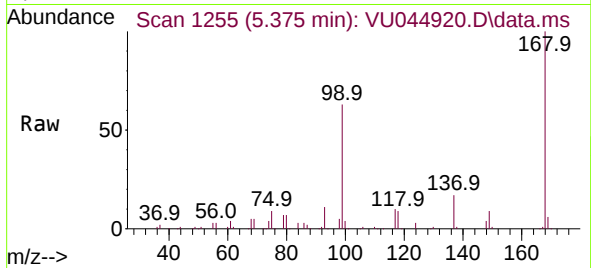




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

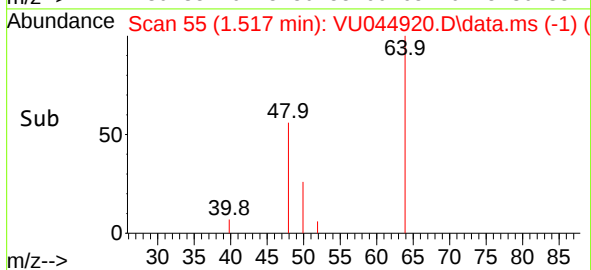
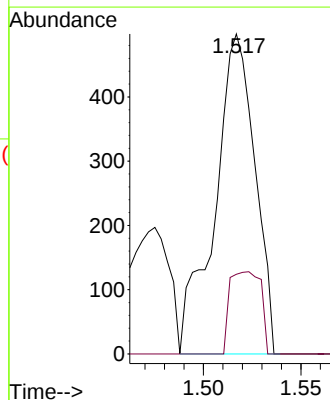
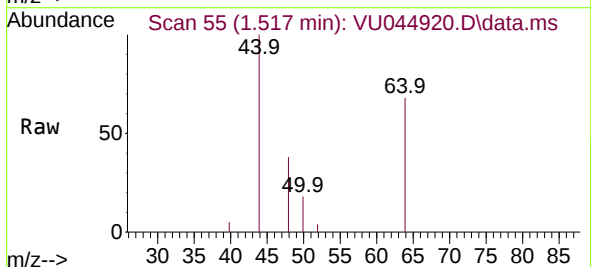
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

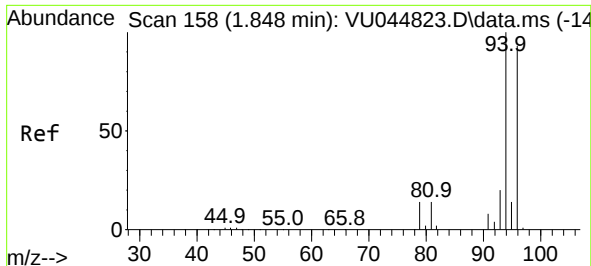
Tgt Ion:168 Resp: 190810
Ion Ratio Lower Upper
168 100
99 63.1 51.4 77.0



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 50 Resp: 714
Ion Ratio Lower Upper
50 100
52 24.9 26.3 39.5#

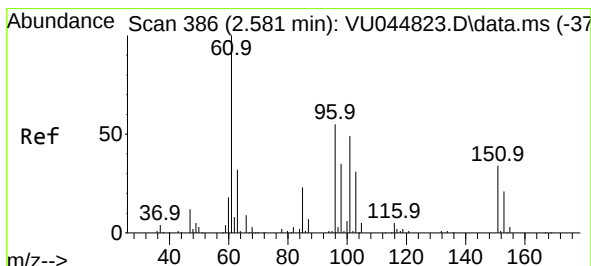
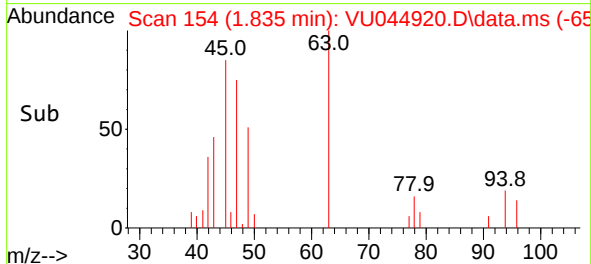
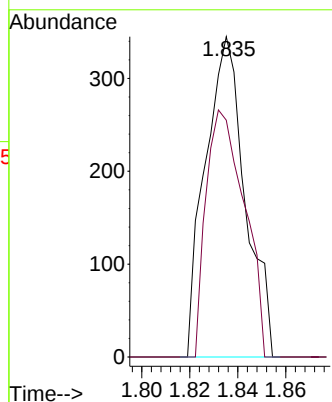
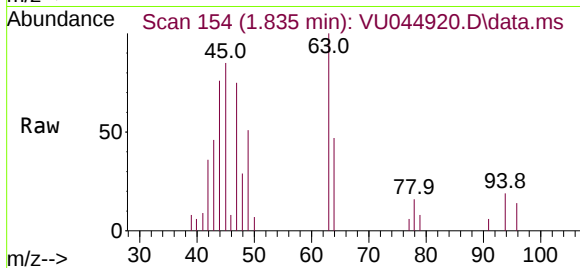




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.013 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

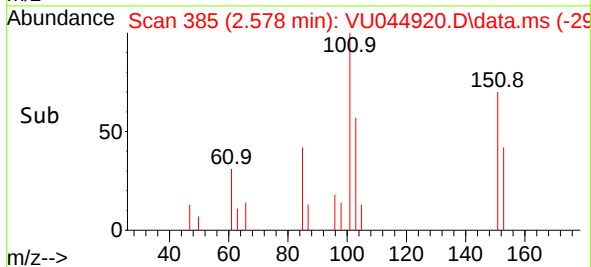
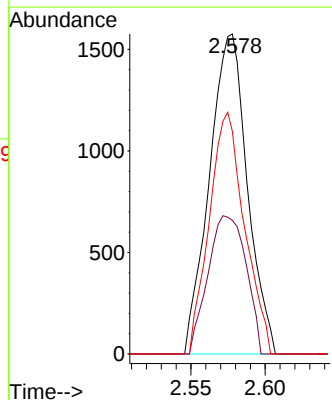
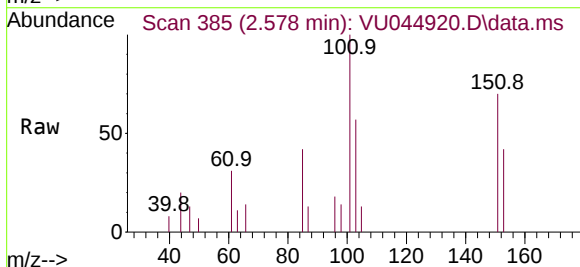
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

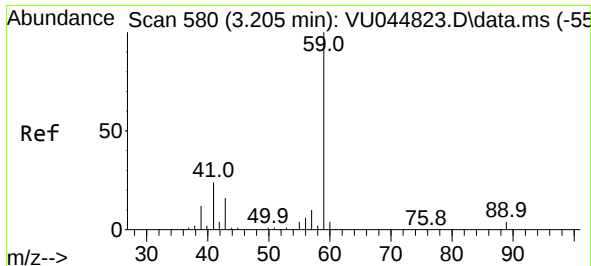
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 73.9 74.5 111.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.207 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion:101 Resp: 2802
Ion Ratio Lower Upper
101 100
85 43.3 37.2 55.8
151 70.1 55.8 83.8

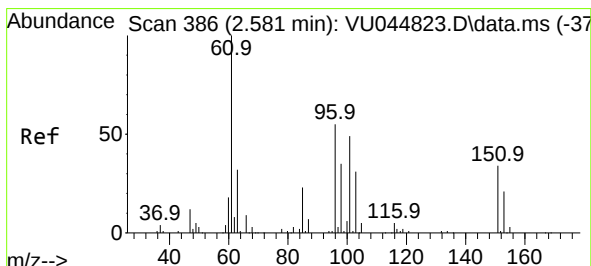
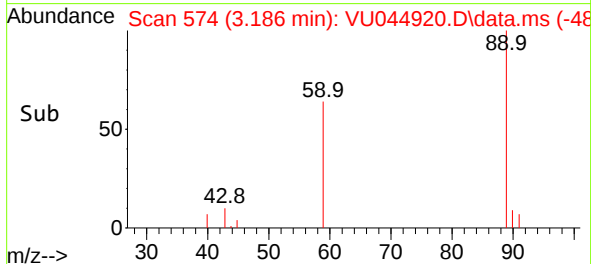
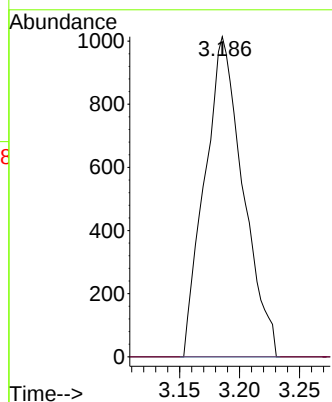
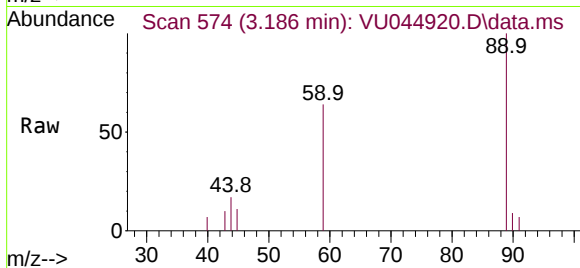




#11
Tert butyl alcohol
Concen: 2.313 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.019 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

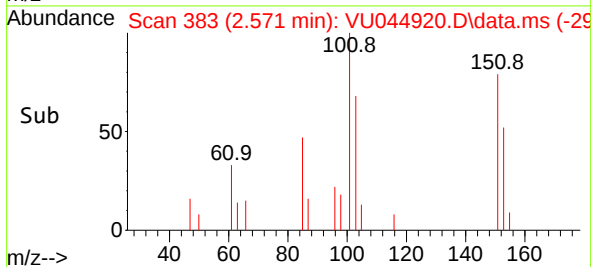
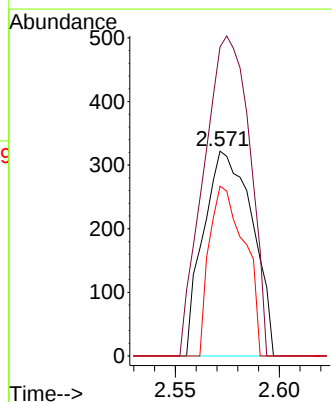
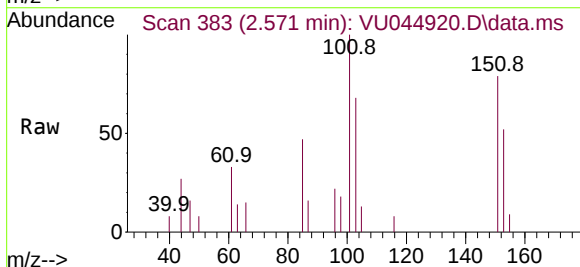
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

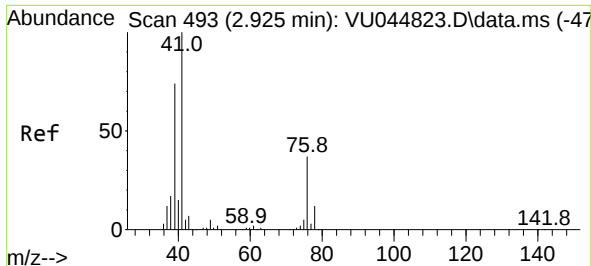
Tgt Ion: 59 Resp: 2248
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.228 ug/l
RT: 2.571 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

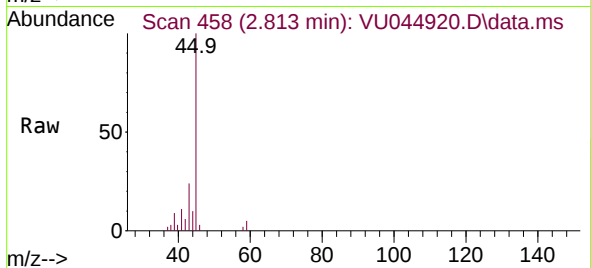
Tgt Ion: 96 Resp: 524
Ion Ratio Lower Upper
96 100
61 150.9 145.4 218.0
98 82.9 50.9 76.3#



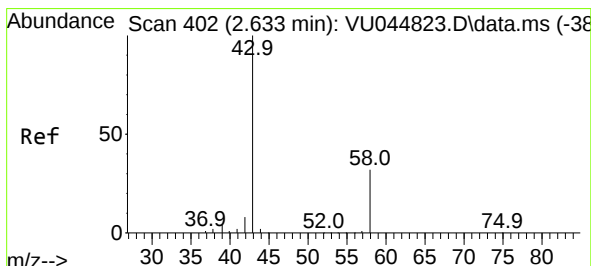
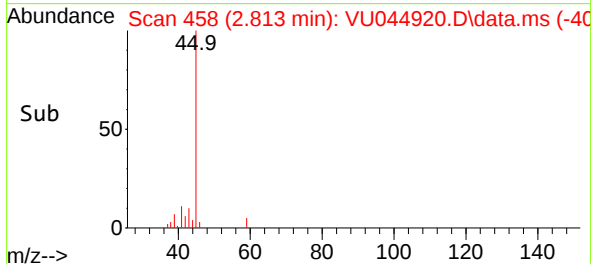
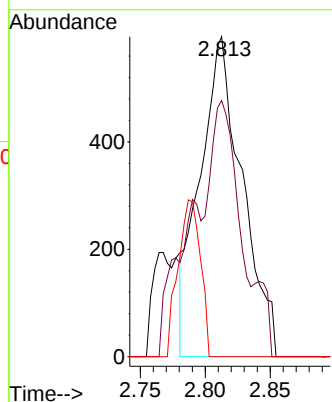


#14
Allyl chloride
Concen: 0.305 ug/l
RT: 2.813 min Scan# 458
Delta R.T. -0.113 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

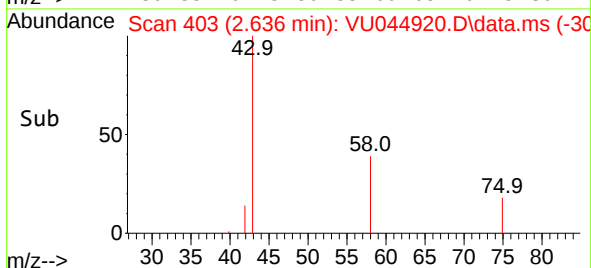
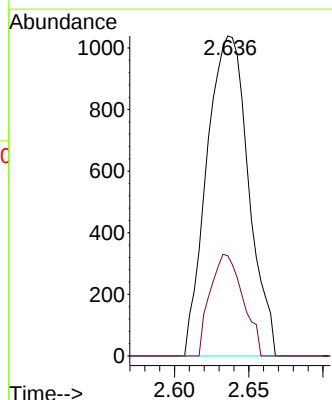
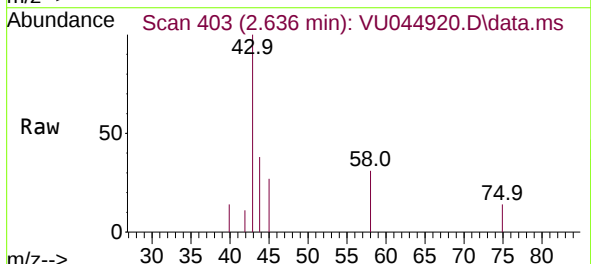


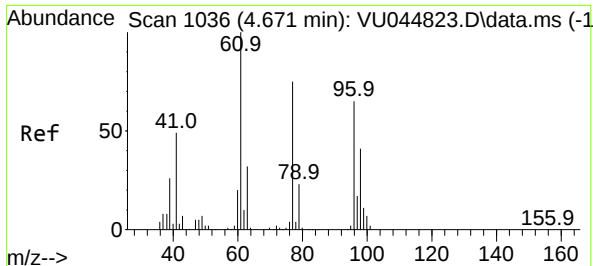
Tgt Ion: 41 Resp: 1359
Ion Ratio Lower Upper
41 100
39 38.7 53.0 79.6#
76 0.0 25.7 38.5#



#16
Acetone
Concen: 1.082 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 43 Resp: 2032
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8



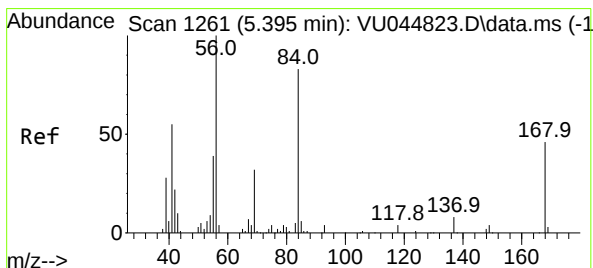
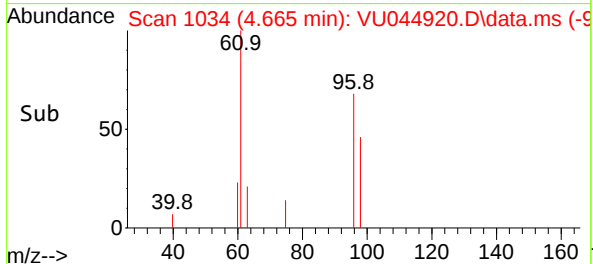
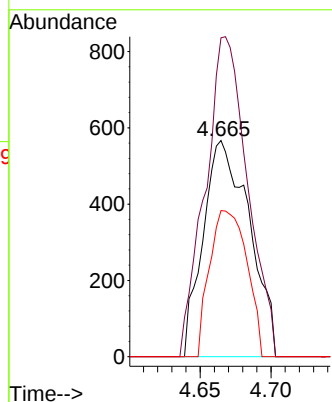
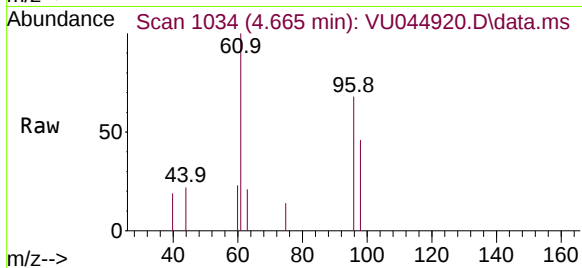


#27

cis-1,2-Dichloroethene
Concen: 0.430 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. -0.006 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Instrument :
MSVOA_U
ClientSampleId :
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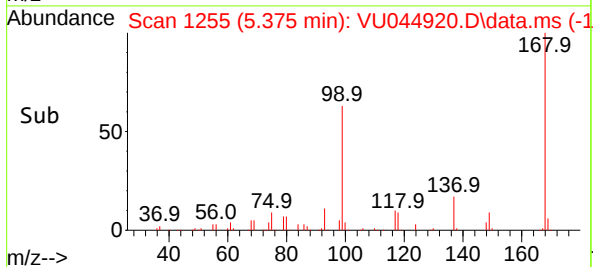
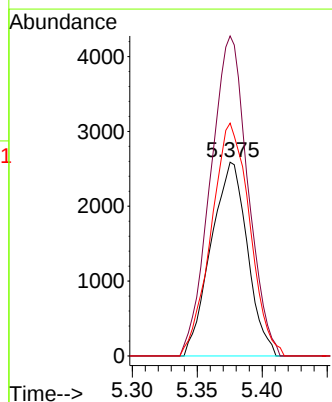
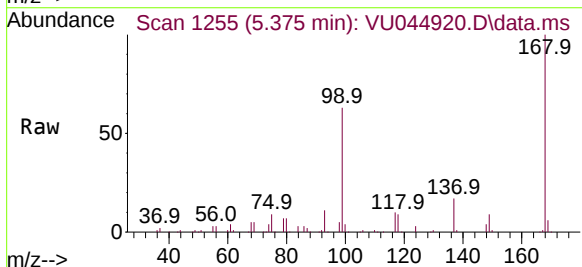
Tgt Ion:	96	Resp:	1287
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	313.4
98	54.3	0.0	127.0

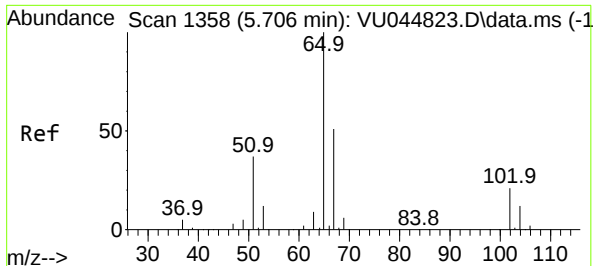


#31

Cyclohexane
Concen: 1.054 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion:	56	Resp:	5037
Ion	Ratio	Lower	Upper
56	100		
69	165.1	25.2	37.8#
84	120.1	66.4	99.6#



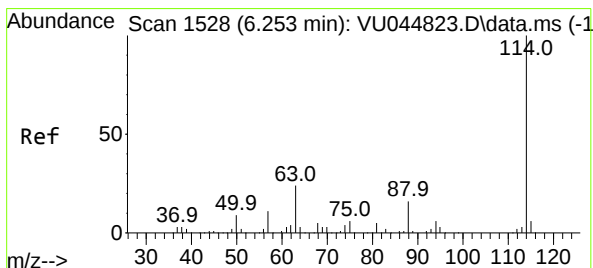
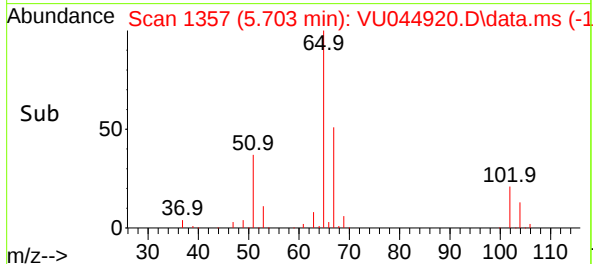
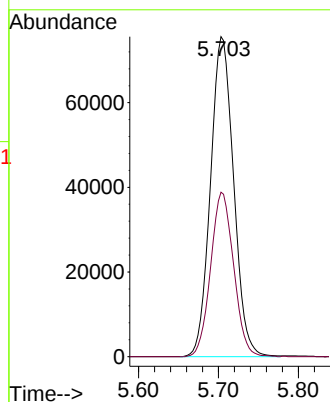
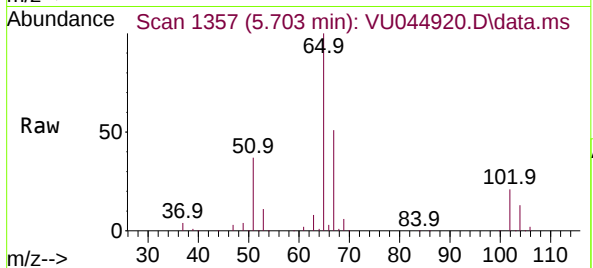


#33

1,2-Dichloroethane-d4
Concen: 45.653 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Instrument :
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RE109D3-20210922

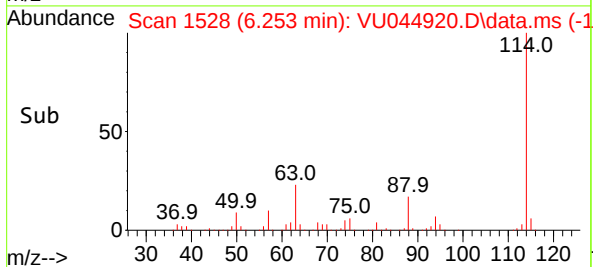
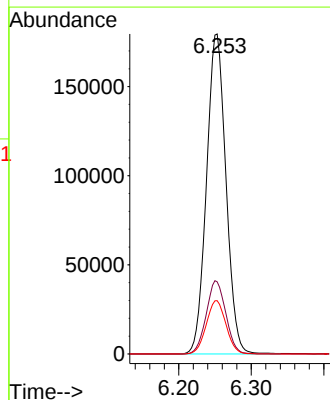
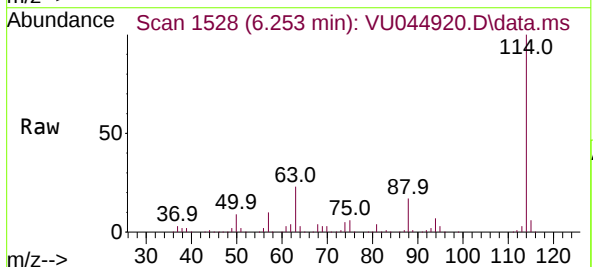
Tgt Ion: 65 Resp: 152031
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8

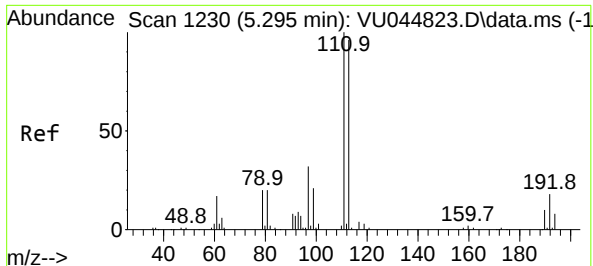


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 114 Resp: 335034
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.8
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.244 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044920.D

Acq: 28 Sep 2021 04:38

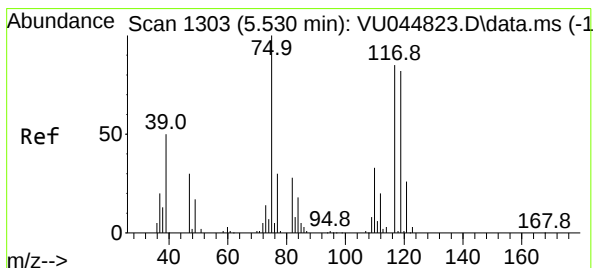
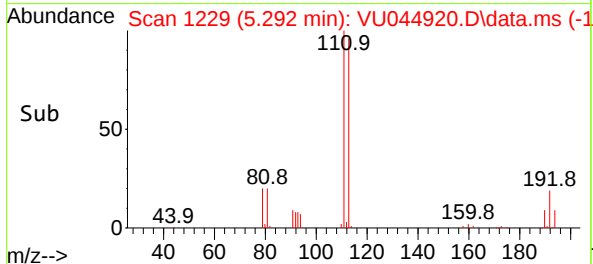
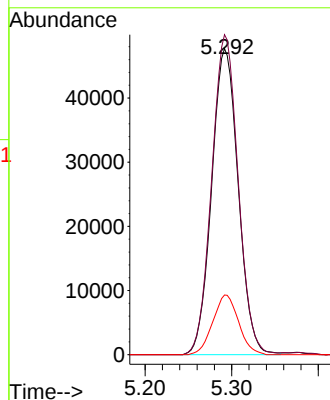
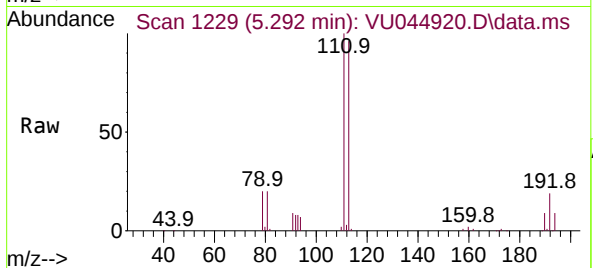
Instrument :

MSVOA_U

ClientSampleId :

RE109D3-20210922

Tgt Ion:	113	Resp:	101690
Ion	Ratio	Lower	Upper
113	100		
111	103.9	84.1	126.1
192	18.9	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.024 ug/l

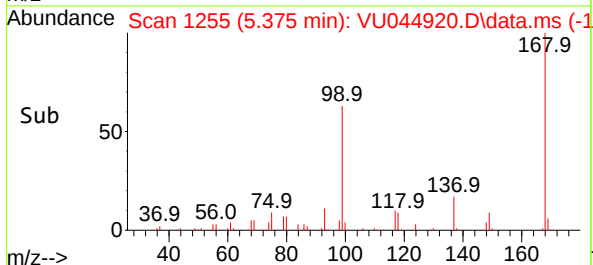
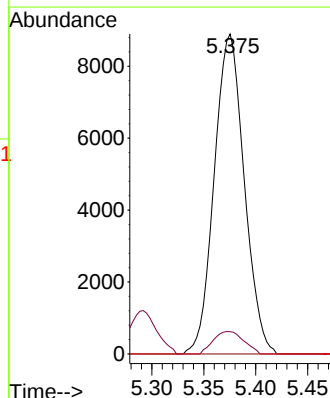
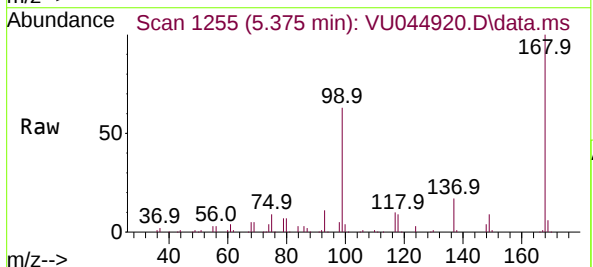
RT: 5.375 min Scan# 1255

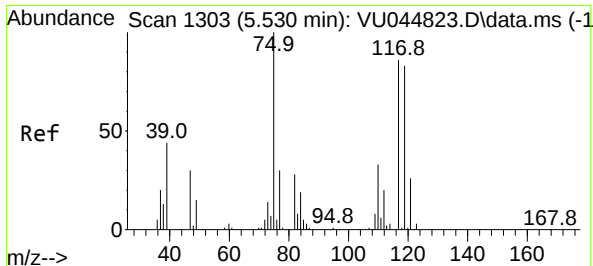
Delta R.T. -0.154 min

Lab File: VU044920.D

Acq: 28 Sep 2021 04:38

Tgt Ion:	75	Resp:	17859
Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.3	48.9#
77	0.0	25.0	37.4#

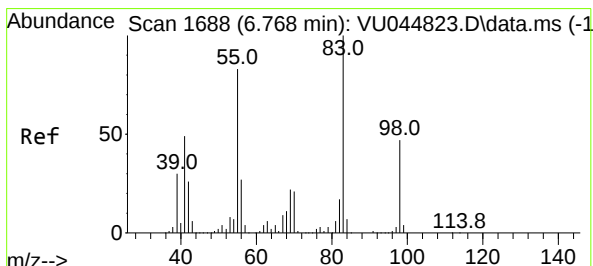
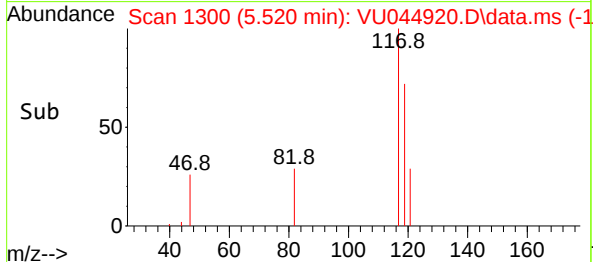
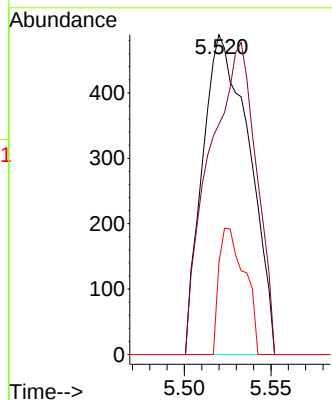
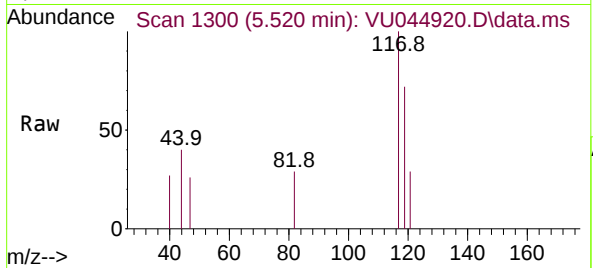




#38
Carbon Tetrachloride
Concen: 0.288 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. -0.010 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

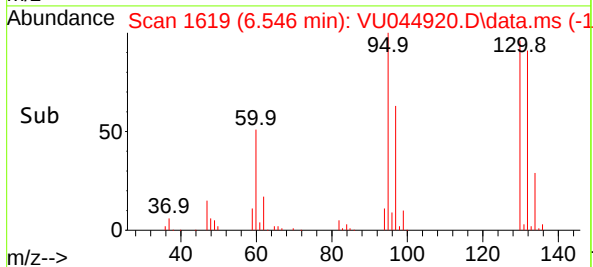
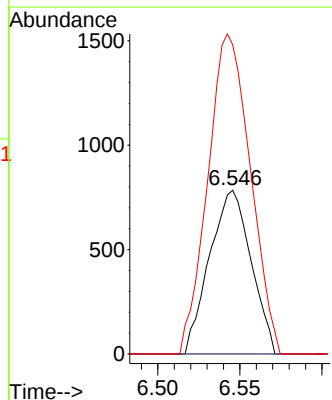
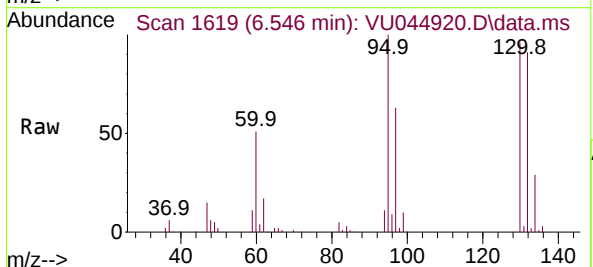
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

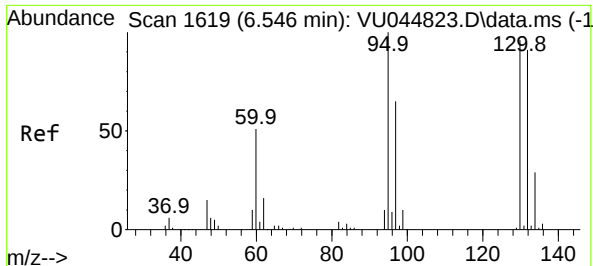
Tgt Ion:117 Resp: 914
Ion Ratio Lower Upper
117 100
119 72.0 77.4 116.2#
121 28.6 24.5 36.7



#39
Methylcyclohexane
Concen: 0.342 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.222 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 83 Resp: 1375
Ion Ratio Lower Upper
83 100
55 0.0 66.2 99.4#
98 189.0 37.5 56.3#

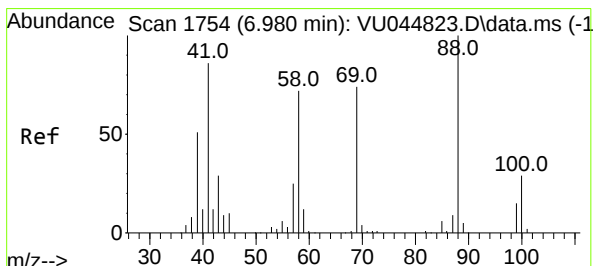
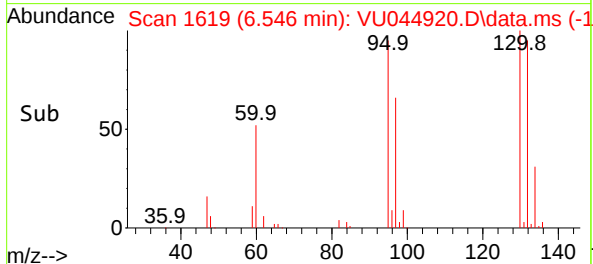
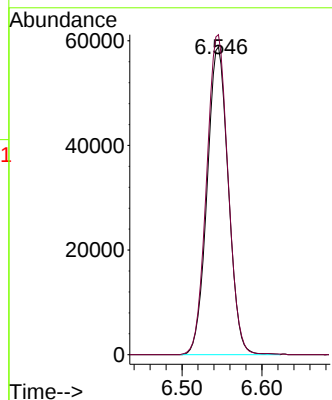
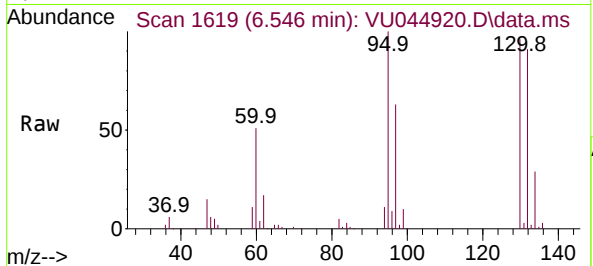




#44
Trichloroethene
Concen: 41.682 ug/l
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

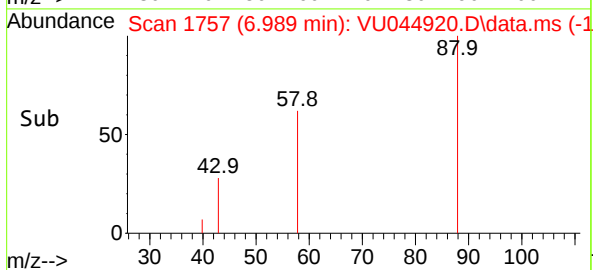
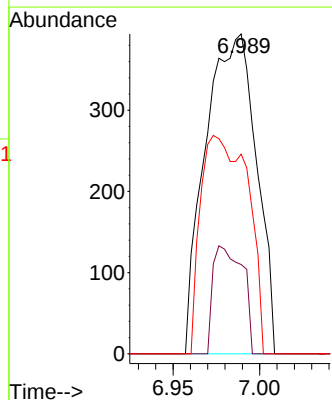
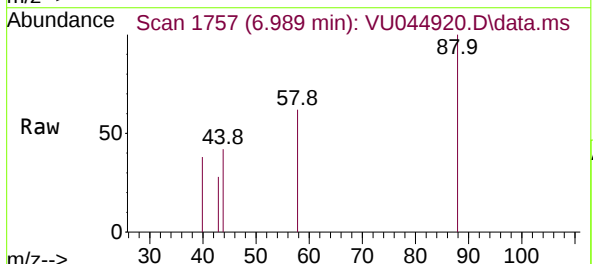
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

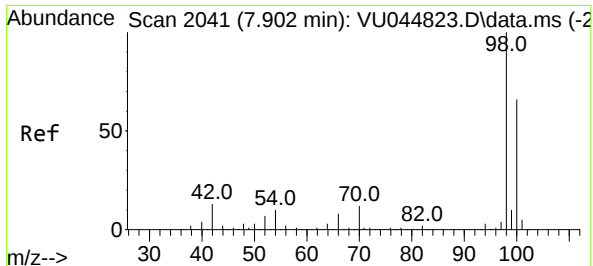
Tgt Ion:130 Resp: 108571
Ion Ratio Lower Upper
130 100
95 103.9 0.0 209.0



#49
1,4-Dioxane
Concen: 9.134 ug/l
RT: 6.989 min Scan# 1757
Delta R.T. 0.010 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 88 Resp: 804
Ion Ratio Lower Upper
88 100
43 19.7 25.8 38.6#
58 63.3 61.3 91.9





#50

Toluene-d8

Concen: 48.181 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU044920.D

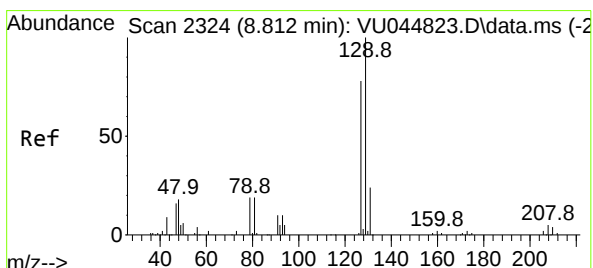
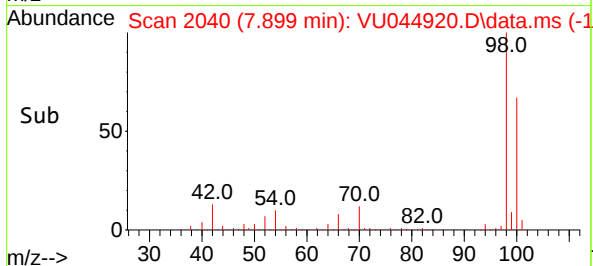
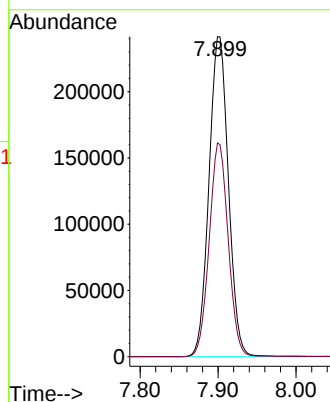
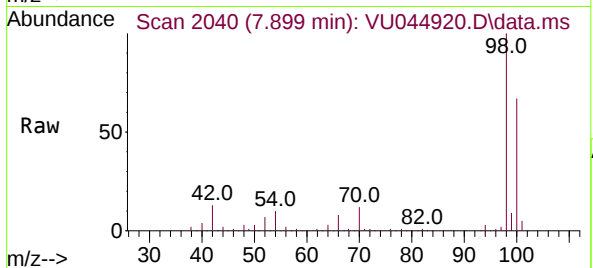
Acq: 28 Sep 2021 04:38

Tgt Ion: 98 Resp: 418236

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#60

Dibromochloromethane

Concen: 0.608 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU044920.D

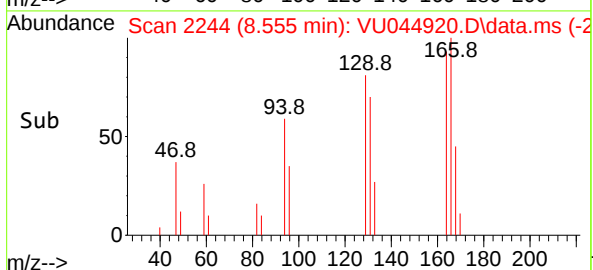
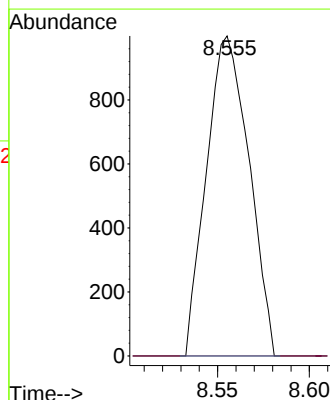
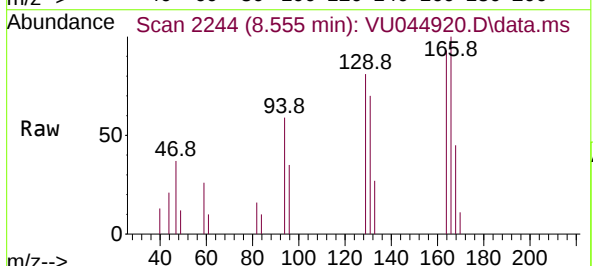
Acq: 28 Sep 2021 04:38

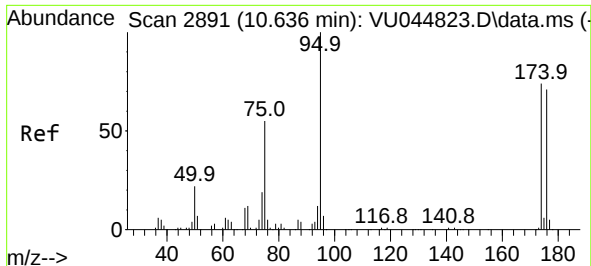
Tgt Ion: 129 Resp: 1612

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#

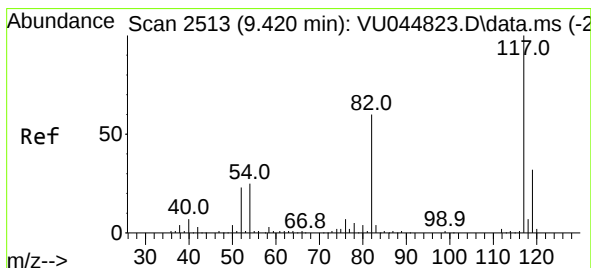
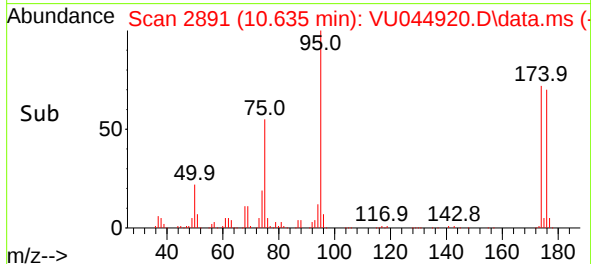
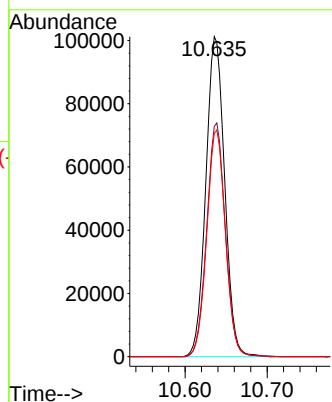
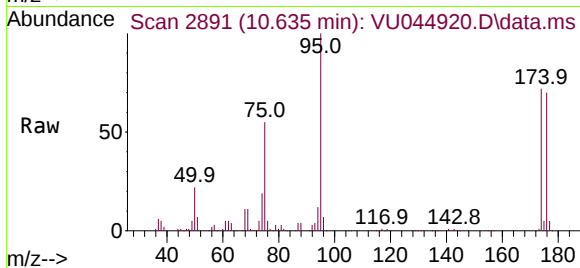




#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.000 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

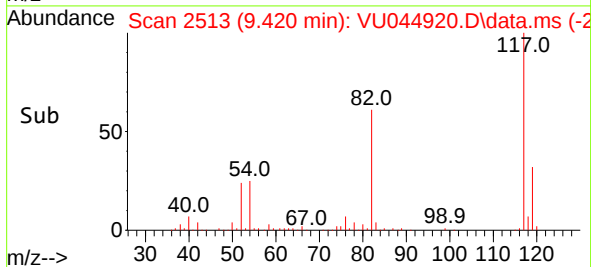
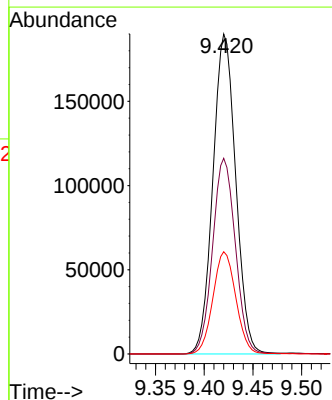
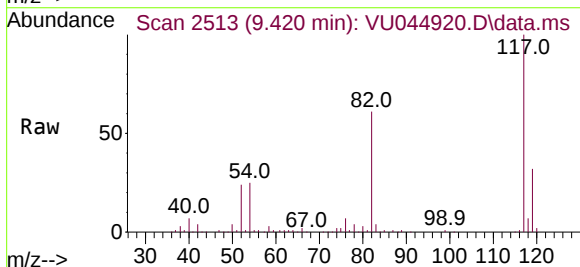
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

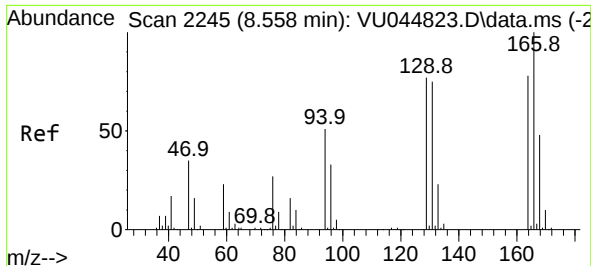
Tgt Ion: 95 Resp: 160905
Ion Ratio Lower Upper
95 100
174 72.6 0.0 146.6
176 70.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. -0.000 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion: 117 Resp: 309901
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.0 25.8 38.6

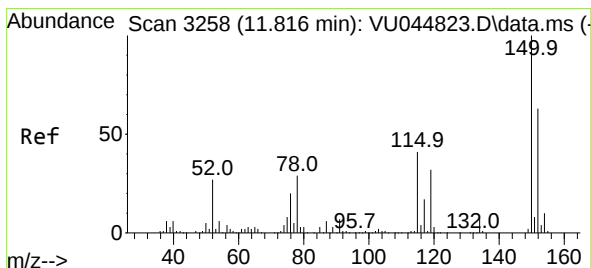
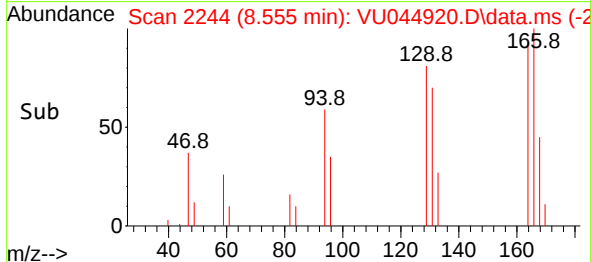
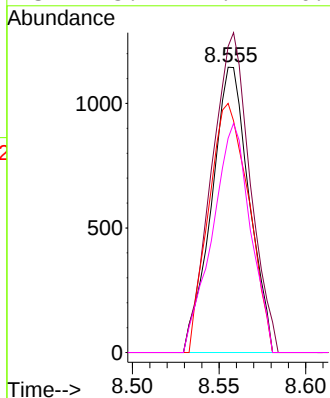
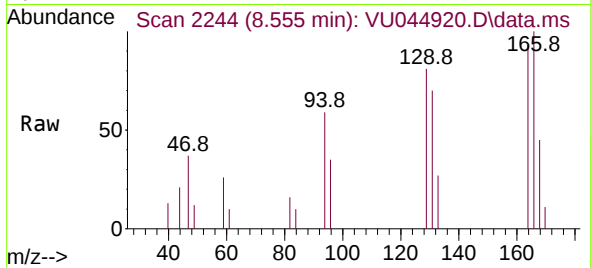




#64
Tetrachloroethene
Concen: 0.819 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

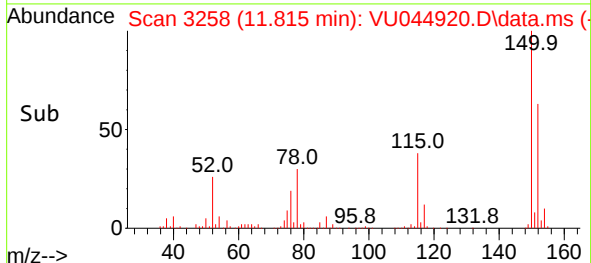
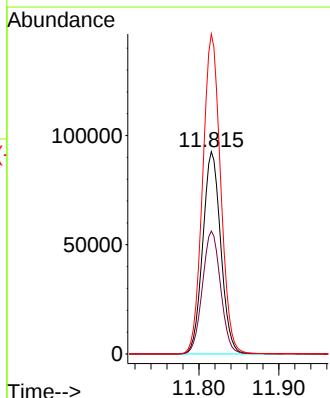
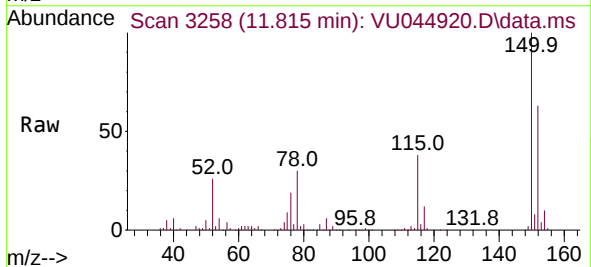
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

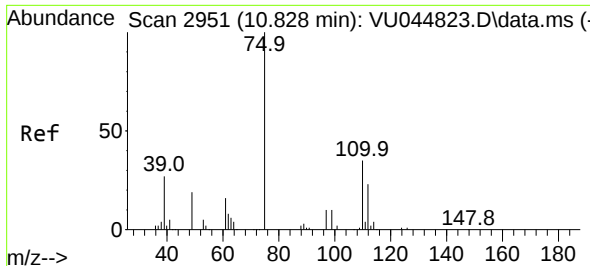
Tgt Ion:164 Resp: 1720
Ion Ratio Lower Upper
164 100
166 107.3 102.8 154.2
129 87.3 79.4 119.2
131 75.1 77.4 116.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. -0.000 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Tgt Ion:152 Resp: 145084
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.7
150 157.6 0.0 350.0

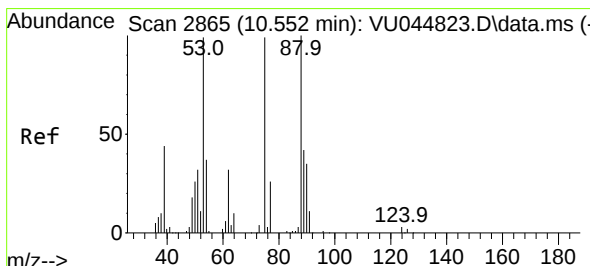
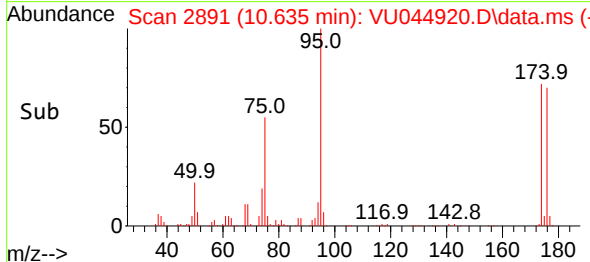
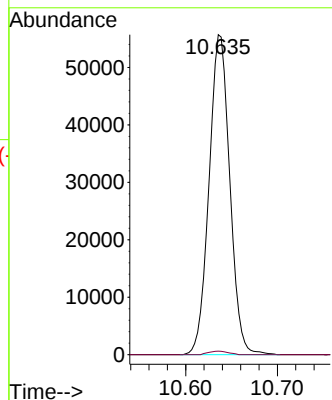
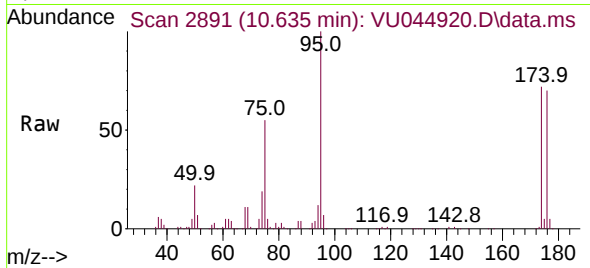




#76
1,2,3-Trichloropropane
Concen: 19.926 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

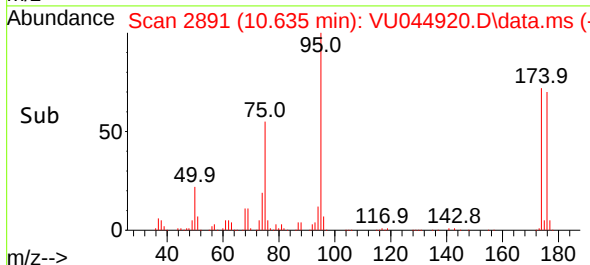
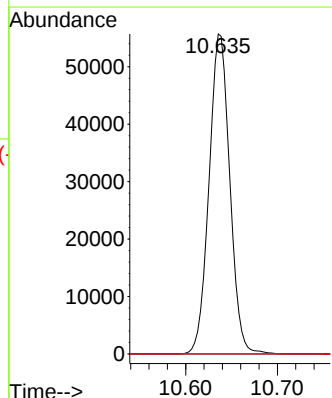
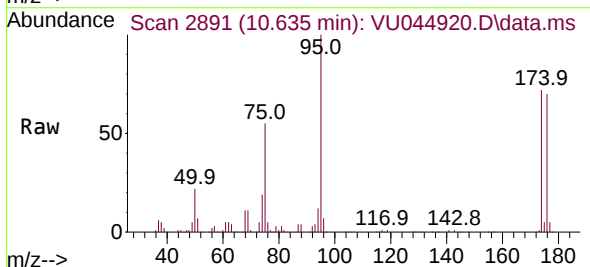
Instrument :
MSVOA_U
ClientSampleId :
RE109D3-20210922

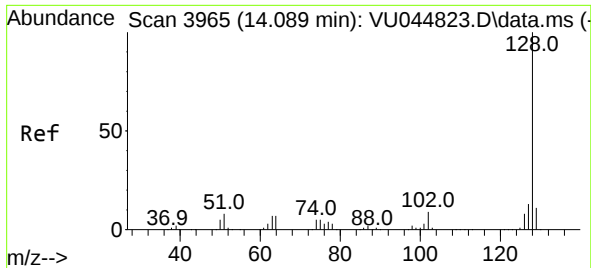
Tgt Ion: 75 Resp: 87542
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.549 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

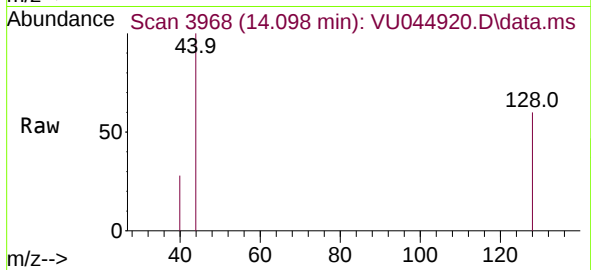
Tgt Ion: 75 Resp: 87542
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 0.987 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.009 min
Lab File: VU044920.D
Acq: 28 Sep 2021 04:38

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:128 Resp: 493
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

