

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044891.D
 Acq On : 27 Sep 2021 16:08
 Operator : SY/MD
 Sample : M3875-13
 Misc : 1.02g/10.0mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40441

Quant Time: Sep 27 16:45:02 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)

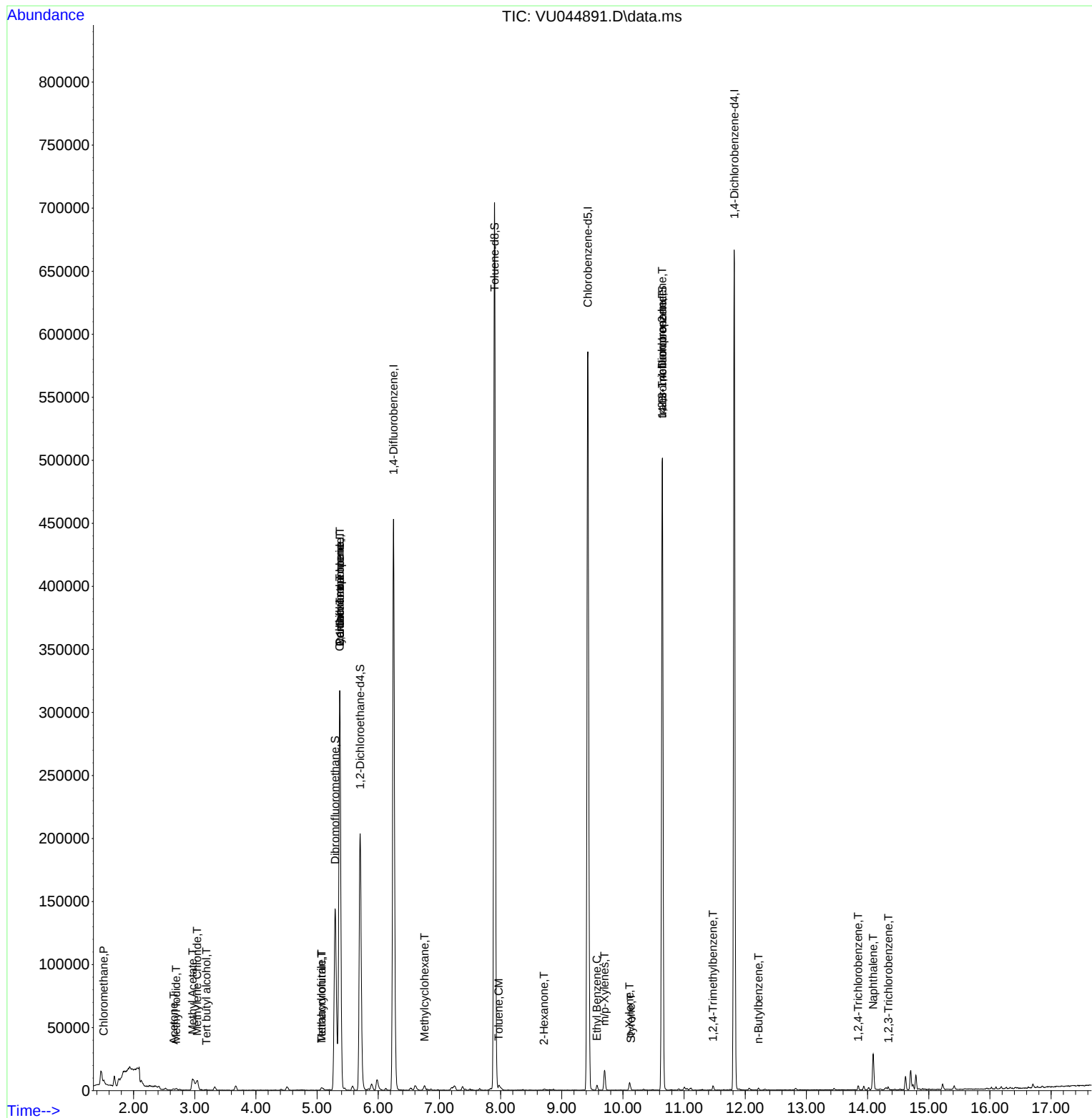
Internal Standards						
1) Pentafluorobenzene	5.372	168	219912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	388620	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.427	117	364927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	162333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	175977	45.851	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.700%	
35) Dibromofluoromethane	5.295	113	119877	44.965	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.940%	
50) Toluene-d8	7.902	98	491507	48.815	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.620%	
62) 4-Bromofluorobenzene	10.645	95	180121	48.163	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.320%	
Target Compounds						Qvalue
3) Chloromethane	1.514	50	1204	0.301	ug/l	95
5) Bromomethane	1.829	94	1007	Below Cal		96
6) Chloroethane	1.938	64	234	Below Cal	#	42
10) Methyl Iodide	2.697	142	1190	0.409	ug/l #	90
11) Tert butyl alcohol	3.192	59	281	0.251	ug/l #	72
16) Acetone	2.655	43	1708	0.789	ug/l #	83
18) Methyl Acetate	2.964	43	20853	2.883	ug/l	99
20) Methylene Chloride	3.038	84	2528	0.721	ug/l	90
29) Tetrahydrofuran	5.073	42	1711	0.828	ug/l #	84
31) Cyclohexane	5.369	56	7076	1.284	ug/l #	5
36) 1,1-Dichloropropene	5.372	75	20709	5.022	ug/l #	50
38) Carbon Tetrachloride	5.372	117	23544	6.387	ug/l #	15
39) Methylcyclohexane	6.758	83	1667	0.357	ug/l	95
41) Methacrylonitrile	5.073	41	1123	0.372	ug/l #	42
52) Toluene	7.970	92	1557	0.207	ug/l	88
59) 2-Hexanone	8.710	43	1147	0.237	ug/l #	38
67) Ethyl Benzene	9.574	91	3408	0.252	ug/l	97
68) m/p-Xylenes	9.700	106	4955	0.958	ug/l	94
69) o-Xylene	10.108	106	1939	0.388	ug/l	91
70) Styrene	10.131	104	458	1.059	ug/l #	53
76) 1,2,3-Trichloropropane	10.642	75	97606	19.856	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	97606	64.322	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.475	105	2433	0.253	ug/l	88
89) n-Butylbenzene	12.217	91	862	1.358	ug/l #	85
93) 1,2,4-Trichlorobenzene	13.844	180	675	0.216	ug/l	92
95) Naphthalene	14.092	128	24560	2.878	ug/l	99
96) 1,2,3-Trichlorobenzene	14.340	180	843	0.265	ug/l	95

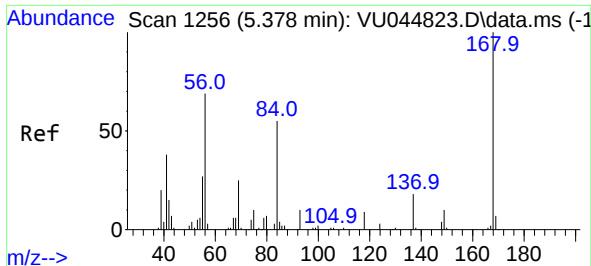
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
Data File : VU044891.D
Acq On : 27 Sep 2021 16:08
Operator : SY/MD
Sample : M3875-13
Misc : 1.02g/10.0mL/100uL/5.00mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
40441

Quant Time: Sep 27 16:45:02 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

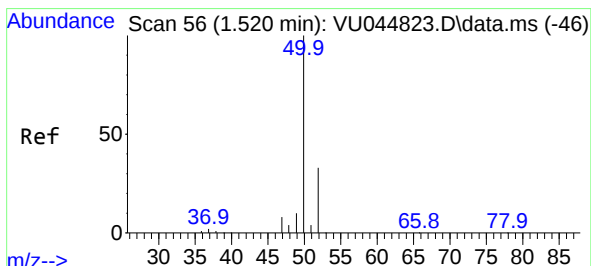
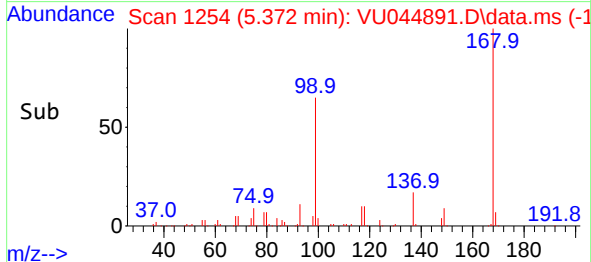
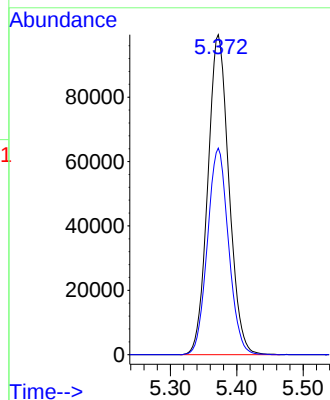
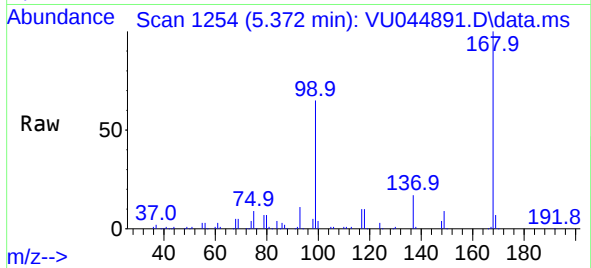




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.006 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

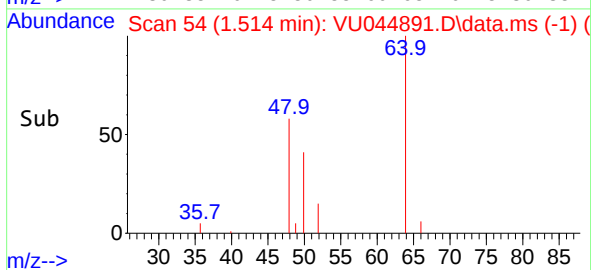
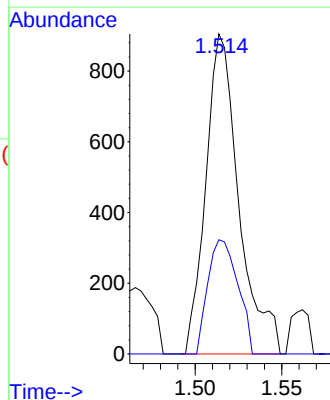
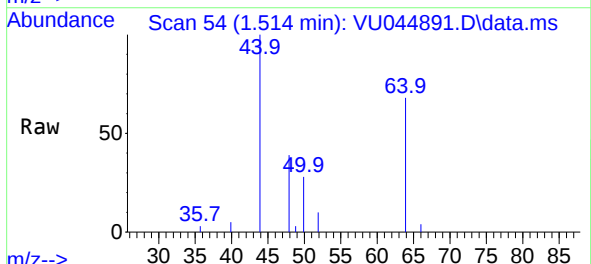
Instrument :
MSVOA_U
ClientSampled :
40441

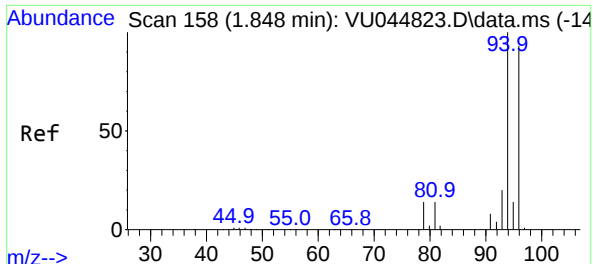
Tgt Ion:168 Resp: 219912
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 50 Resp: 1204
Ion Ratio Lower Upper
50 100
52 35.7 26.3 39.5

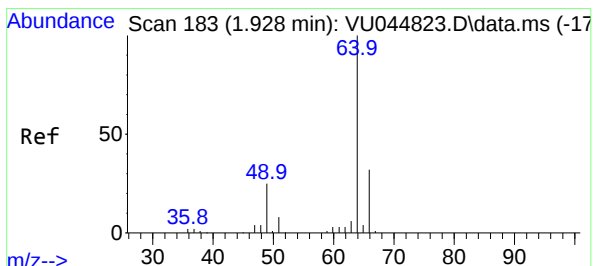
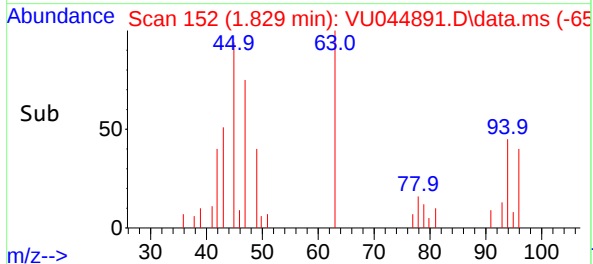
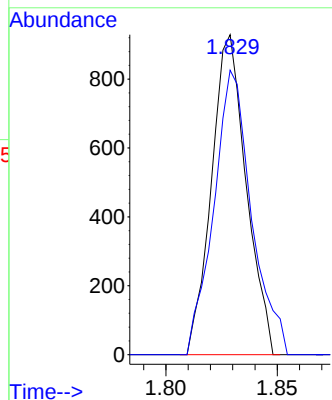
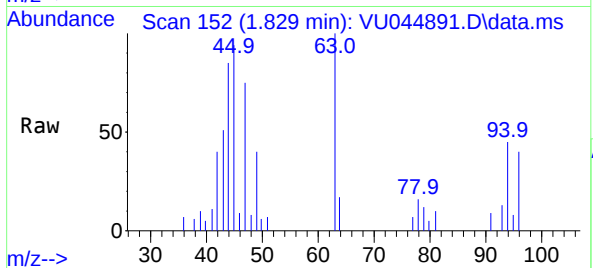




#5
Bromomethane
Concen: Below Cal
RT: 1.829 min Scan# 152
Delta R.T. -0.019 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

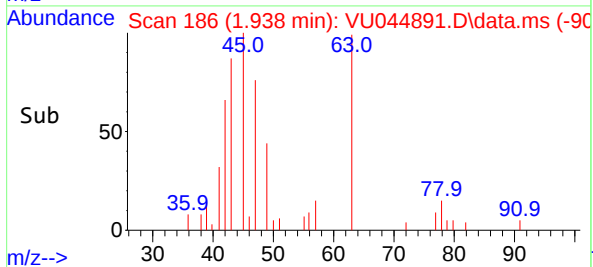
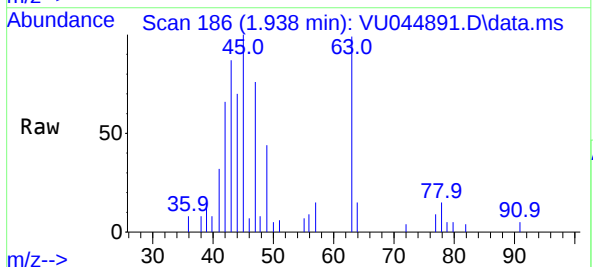
Instrument :
MSVOA_U
ClientSampleId :
40441

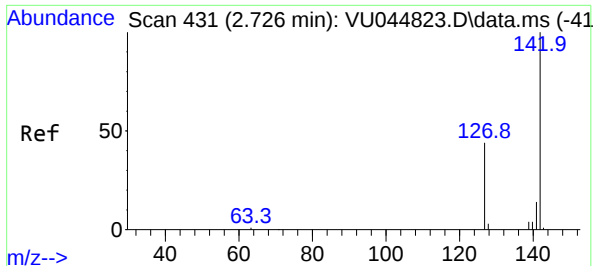
Tgt Ion: 94 Resp: 1007
Ion Ratio Lower Upper
94 100
96 88.9 74.5 111.7



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.010 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

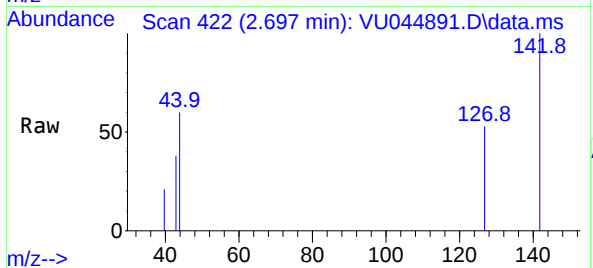
Tgt Ion: 64 Resp: 234
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



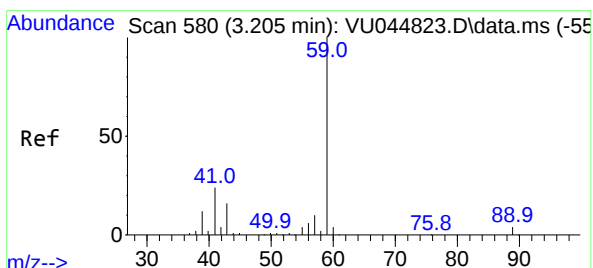
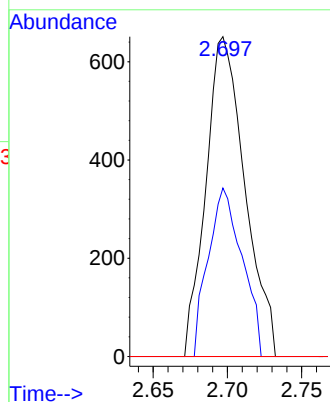
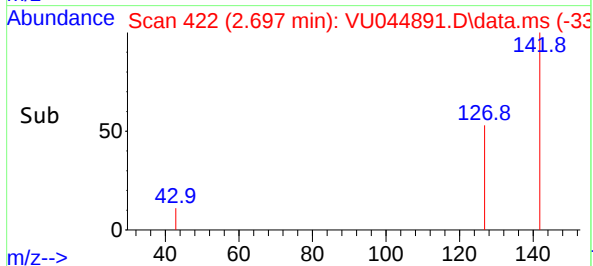


#10
Methyl Iodide
Concen: 0.409 ug/l
RT: 2.697 min Scan# 422
Delta R.T. -0.029 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

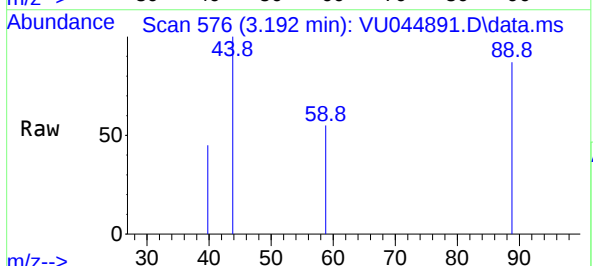
Instrument :
MSVOA_U
ClientSampled :
40441



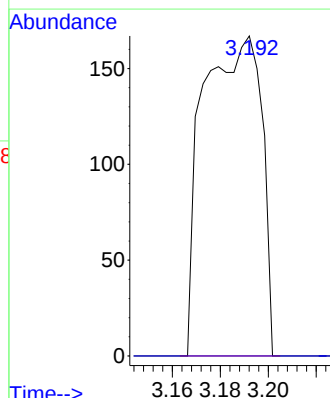
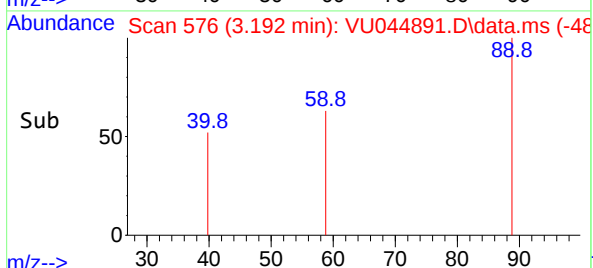
Tgt Ion:142 Resp: 1190
Ion Ratio Lower Upper
142 100
127 45.8 35.6 53.4
141 0.0 11.3 16.9#

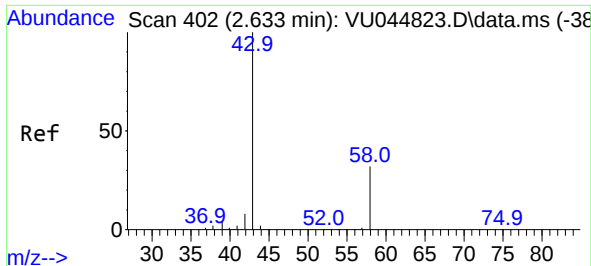


#11
Tert butyl alcohol
Concen: 0.251 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.013 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08



Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

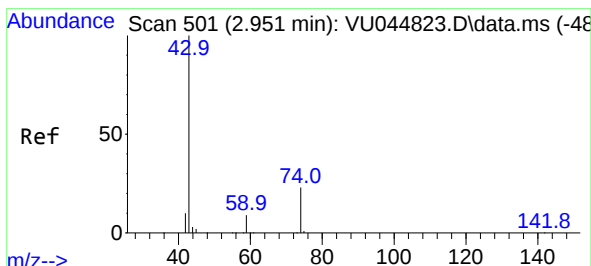
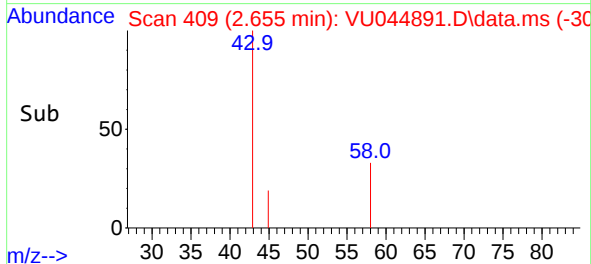
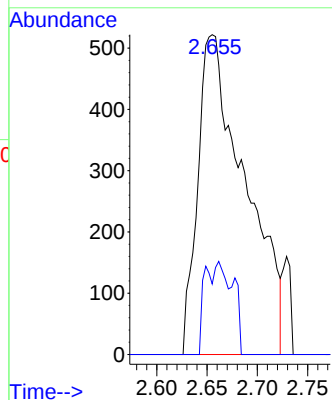
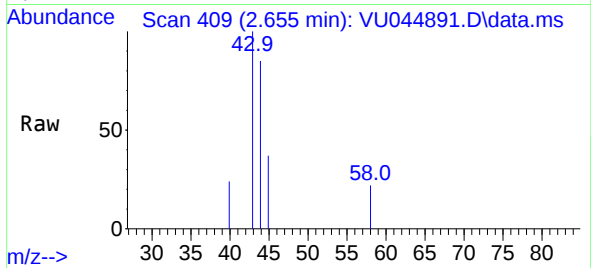




#16
Acetone
Concen: 0.789 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.022 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

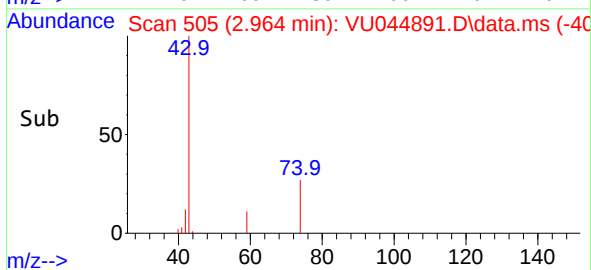
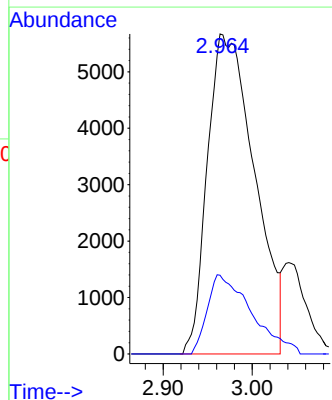
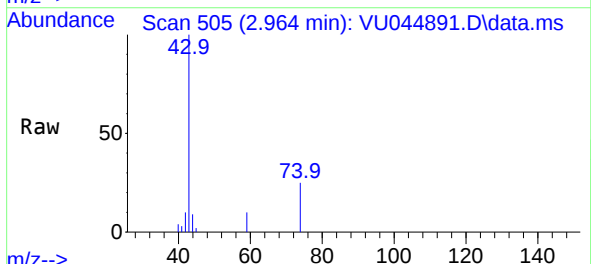
Instrument :
MSVOA_U
ClientSampleId :
40441

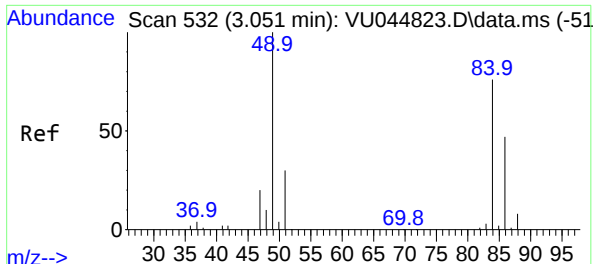
Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 22.0 25.2 37.8#



#18
Methyl Acetate
Concen: 2.883 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.013 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 43 Resp: 20853
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6



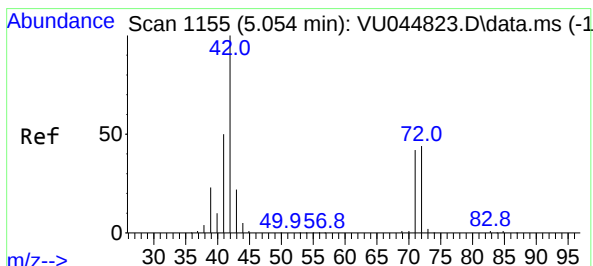
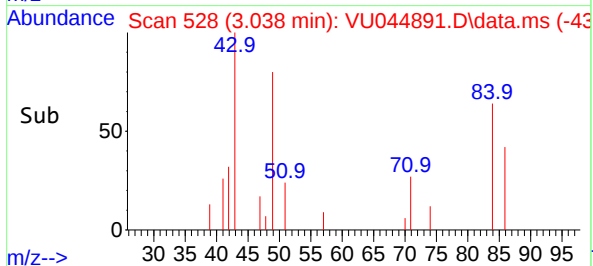
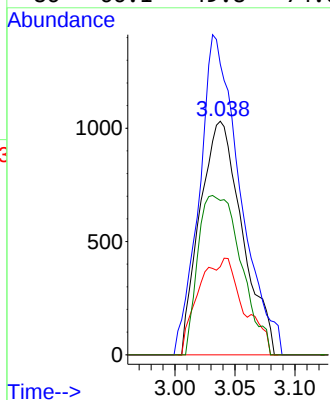
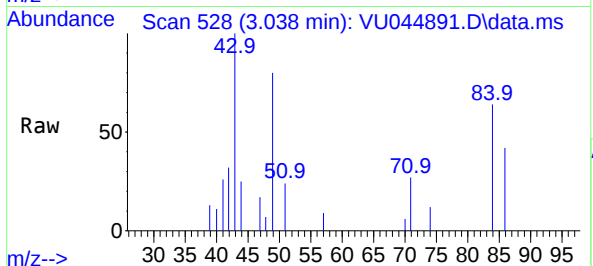


#20
Methylene Chloride
Concen: 0.721 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.013 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Instrument :
MSVOA_U
ClientSampled :
40441

Tgt Ion: 84 Resp: 2528

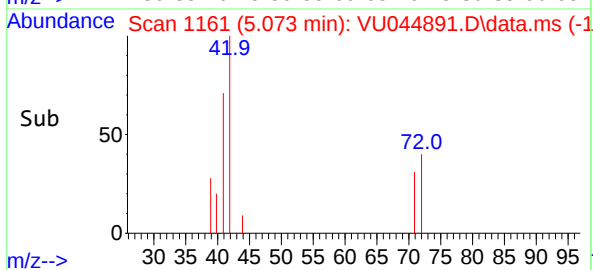
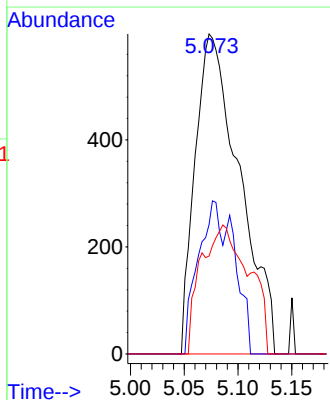
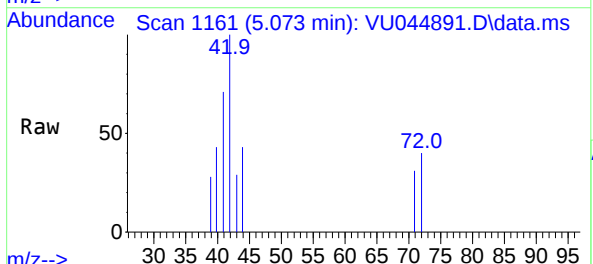
Ion	Ratio	Lower	Upper
84	100		
49	114.3	104.9	157.3
51	37.7	31.8	47.8
86	66.1	49.8	74.6

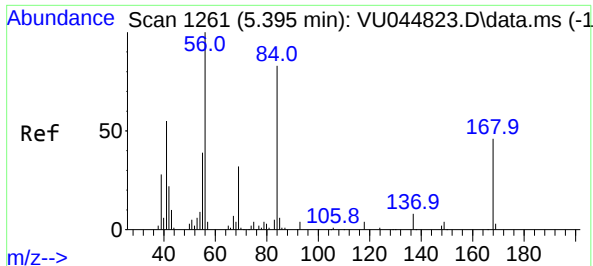


#29
Tetrahydrofuran
Concen: 0.828 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 42 Resp: 1711

Ion	Ratio	Lower	Upper
42	100		
72	25.2	36.2	54.4#
71	43.3	34.1	51.1





#31

Cyclohexane

Concen: 1.284 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.026 min

Lab File: VU044891.D

Acq: 27 Sep 2021 16:08

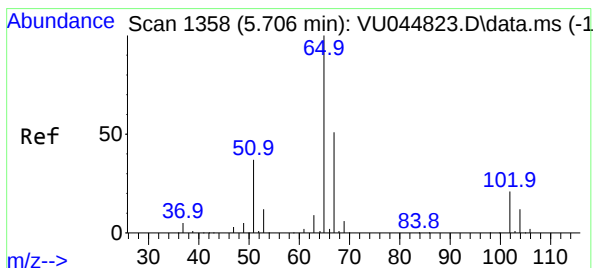
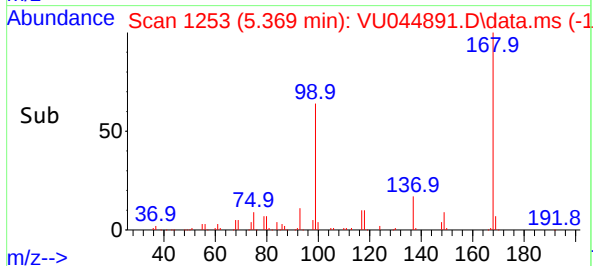
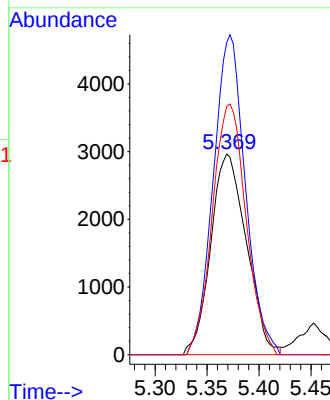
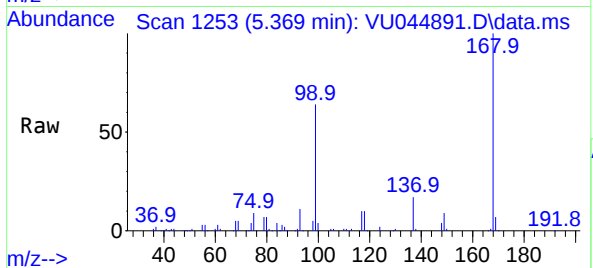
Tgt Ion: 56 Resp: 7076

Ion Ratio Lower Upper

56 100

69 155.6 25.2 37.8#

84 123.8 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 45.851 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.003 min

Lab File: VU044891.D

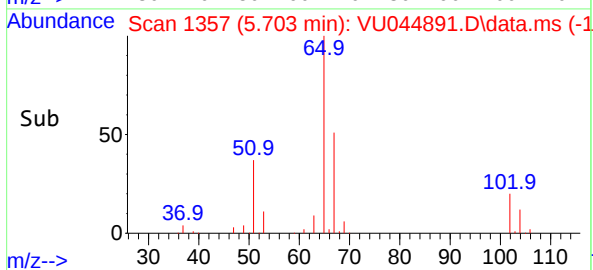
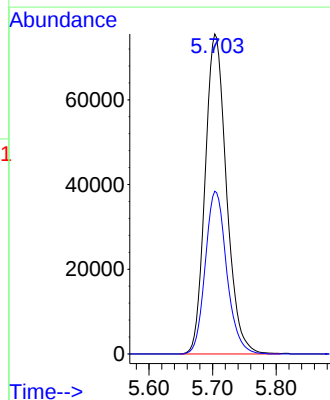
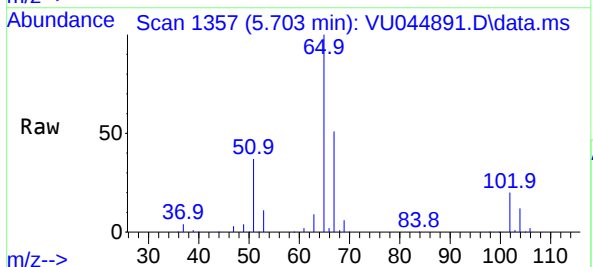
Acq: 27 Sep 2021 16:08

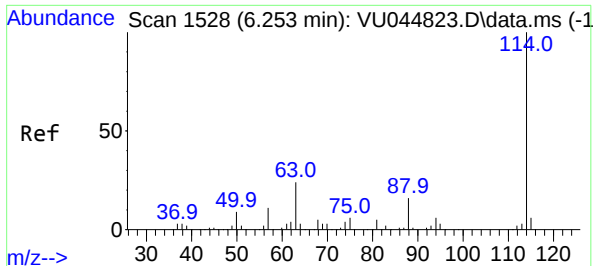
Tgt Ion: 65 Resp: 175977

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8

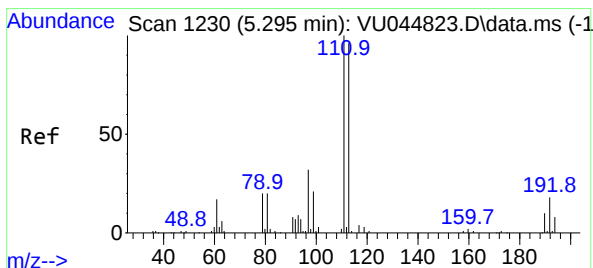
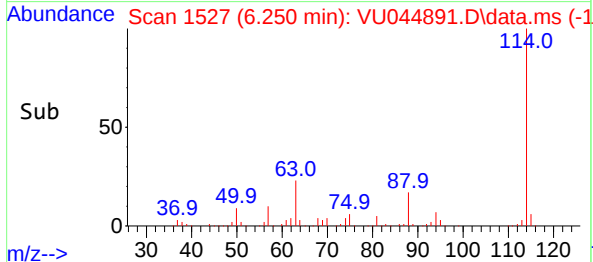
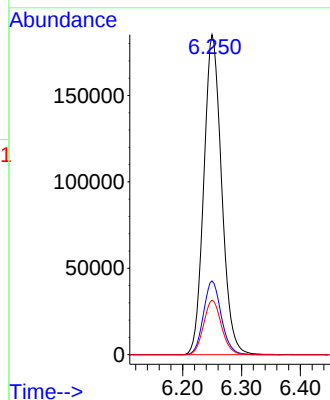
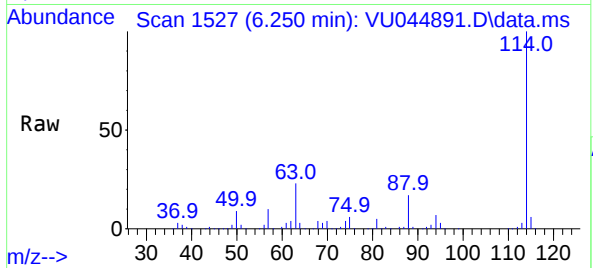




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

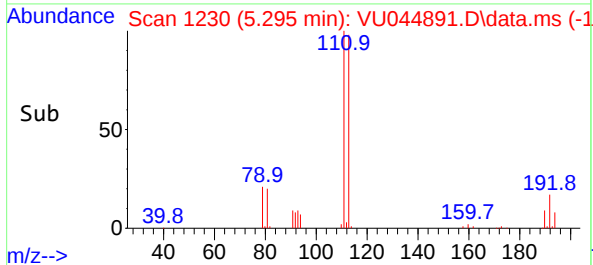
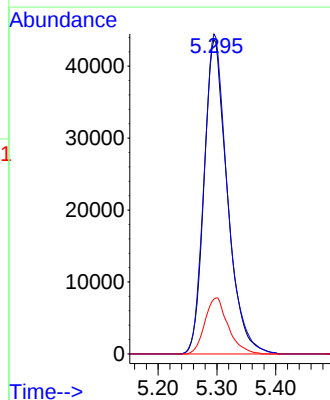
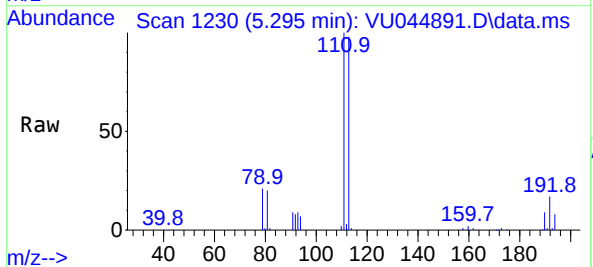
Instrument :
MSVOA_U
ClientSampled :
40441

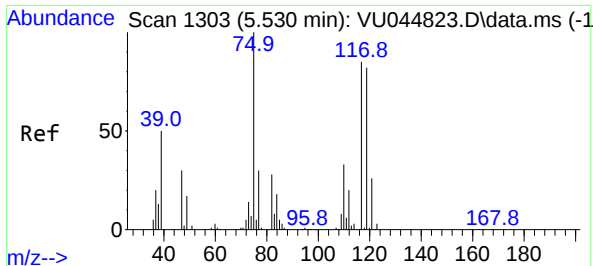
Tgt Ion:114 Resp: 388620
Ion Ratio Lower Upper
114 100
63 23.1 0.0 47.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 44.965 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion:113 Resp: 119877
Ion Ratio Lower Upper
113 100
111 102.2 84.1 126.1
192 17.8 14.8 22.2



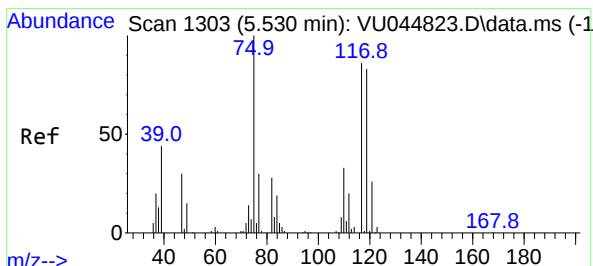
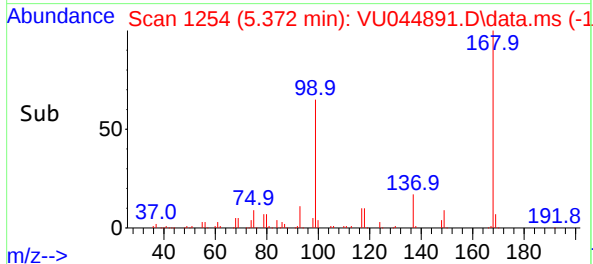
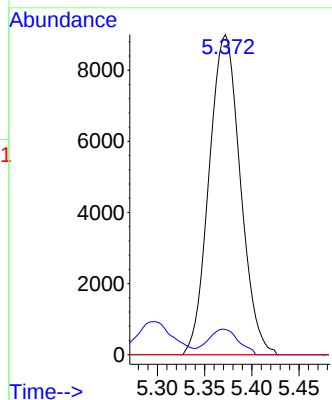
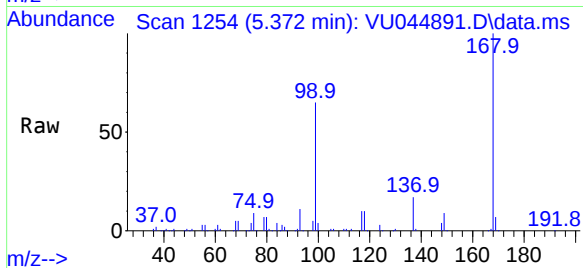


#36

1,1-Dichloropropene
Concen: 5.022 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.158 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Instrument :
MSVOA_U
ClientSampled :
40441

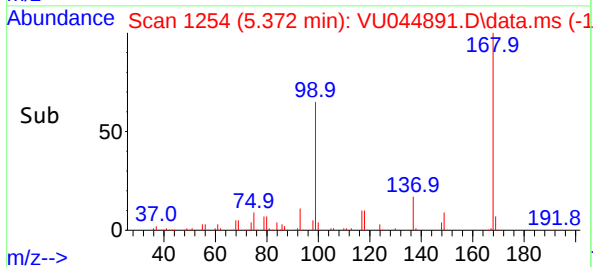
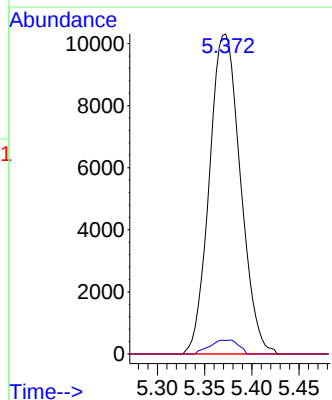
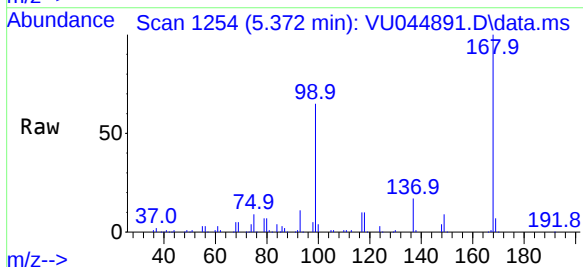
Tgt Ion:	75	Resp:	20709
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.3	48.9#
77	0.0	25.0	37.4#

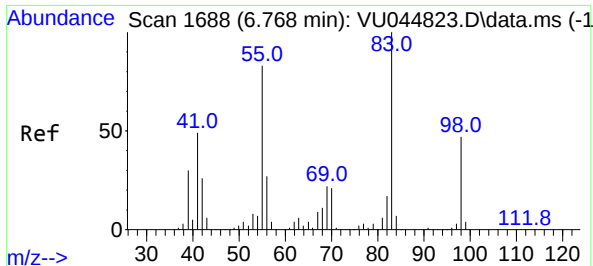


#38

Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.158 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion:	117	Resp:	23544
Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.4	116.2#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 0.357 ug/l

RT: 6.758 min Scan# 1685

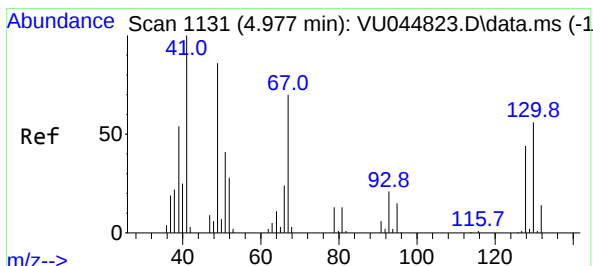
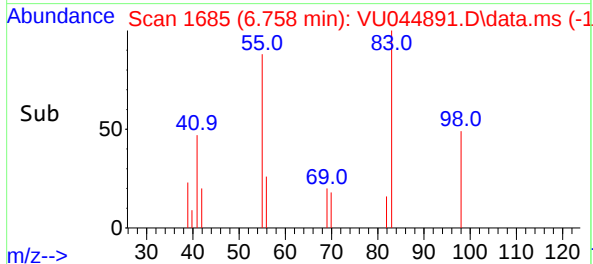
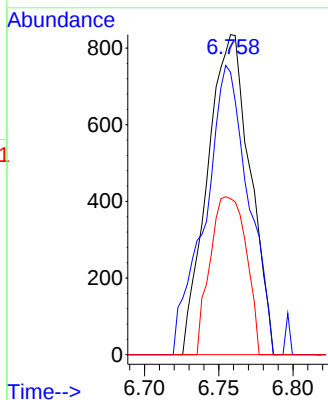
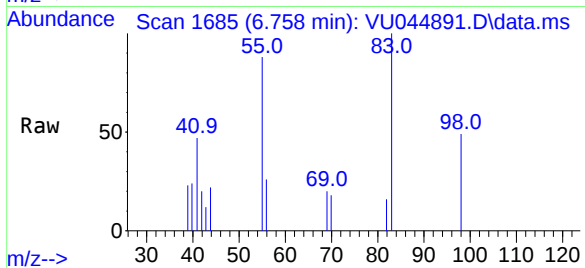
Delta R.T. -0.010 min

Lab File: VU044891.D

Acq: 27 Sep 2021 16:08

Tgt Ion:	83	Resp:	1667
Ion	Ratio	Lower	Upper
83	100		
55	88.3	66.2	99.4
98	48.7	37.5	56.3

Instrument :
MSVOA_U
ClientSampleId :
40441



#41

Methacrylonitrile

Concen: 0.372 ug/l

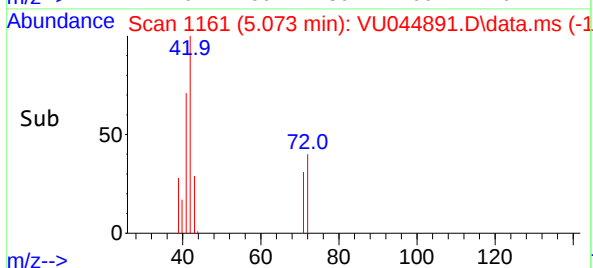
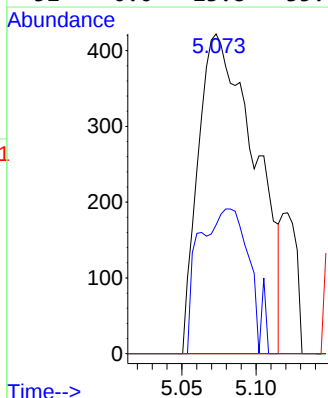
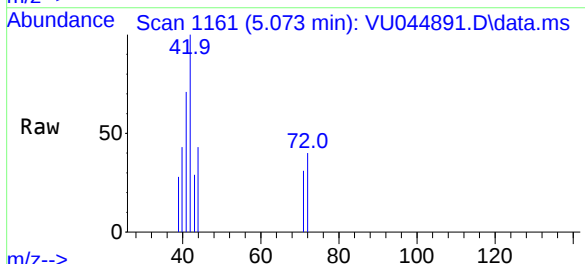
RT: 5.073 min Scan# 1161

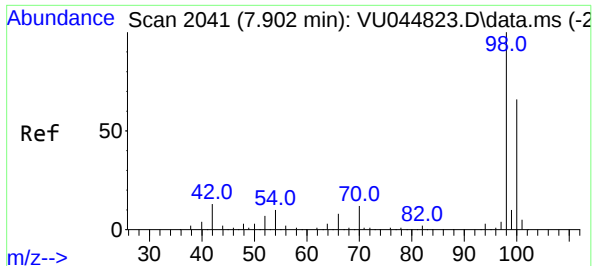
Delta R.T. 0.096 min

Lab File: VU044891.D

Acq: 27 Sep 2021 16:08

Tgt Ion:	41	Resp:	1123
Ion	Ratio	Lower	Upper
41	100		
39	40.1	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#





#50

Toluene-d8

Concen: 48.815 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU044891.D

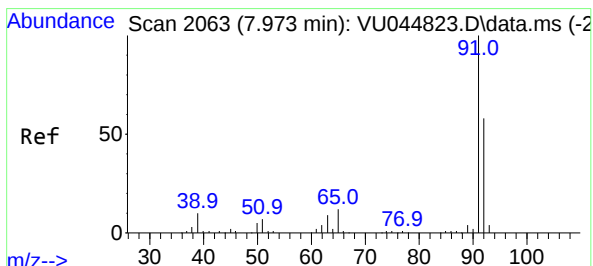
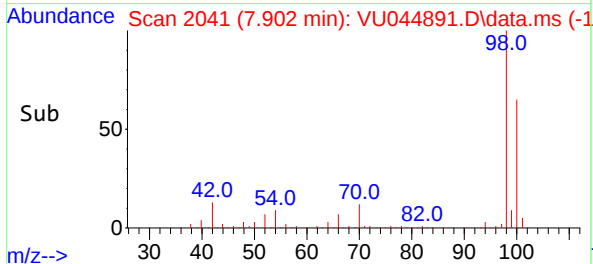
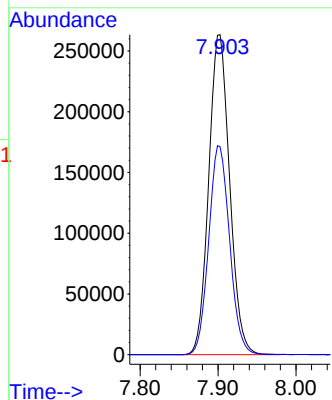
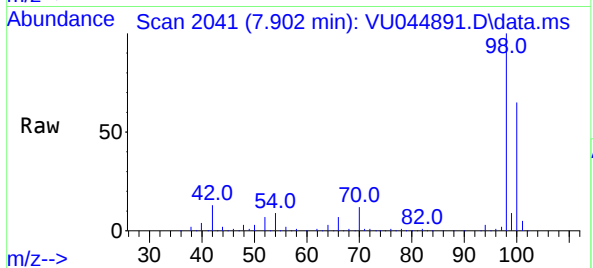
Acq: 27 Sep 2021 16:08

Tgt Ion: 98 Resp: 491507

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#52

Toluene

Concen: 0.207 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU044891.D

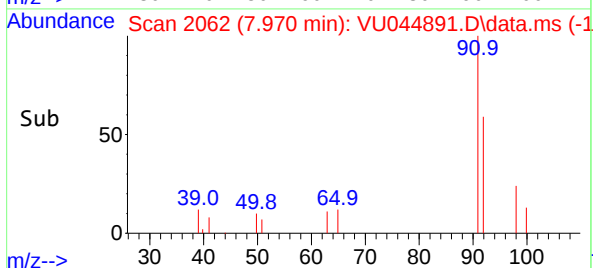
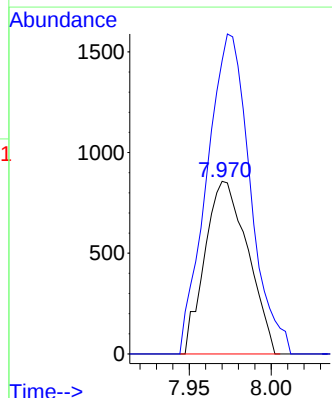
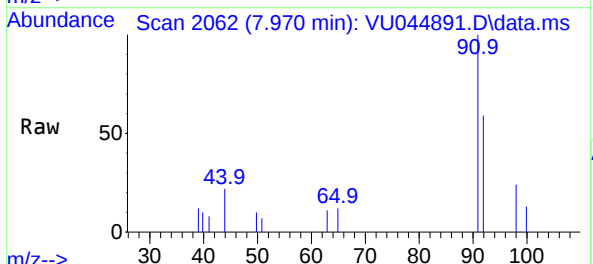
Acq: 27 Sep 2021 16:08

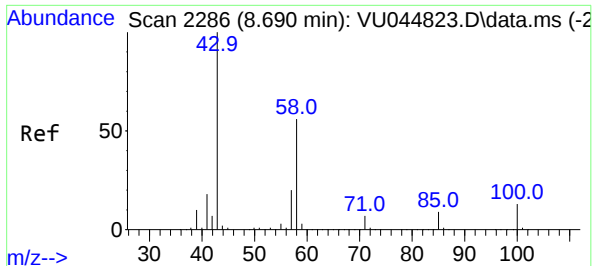
Tgt Ion: 92 Resp: 1557

Ion Ratio Lower Upper

92 100

91 187.5 136.9 205.3

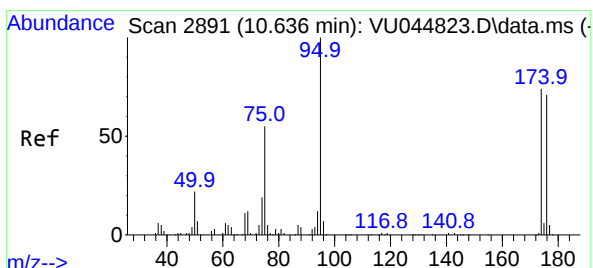
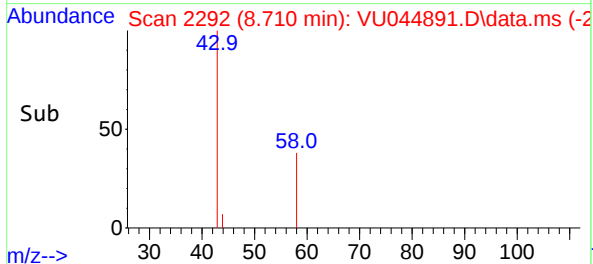
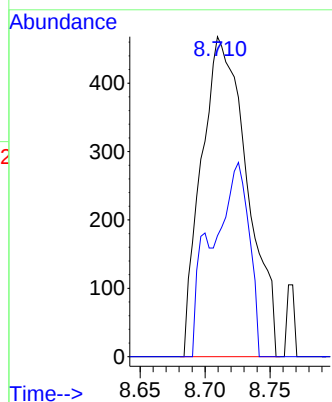
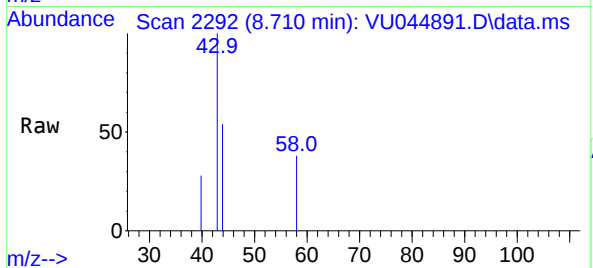




#59
2-Hexanone
Concen: 0.237 ug/l
RT: 8.710 min Scan# 2292
Delta R.T. 0.019 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

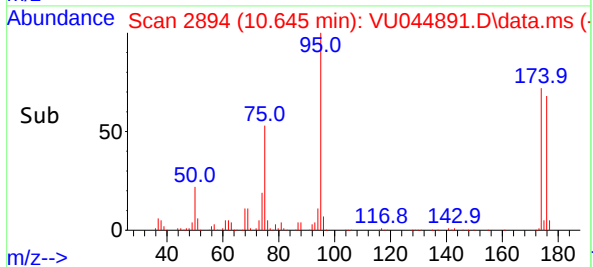
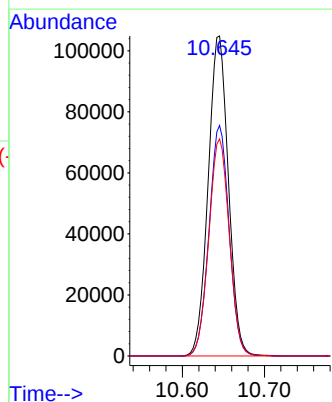
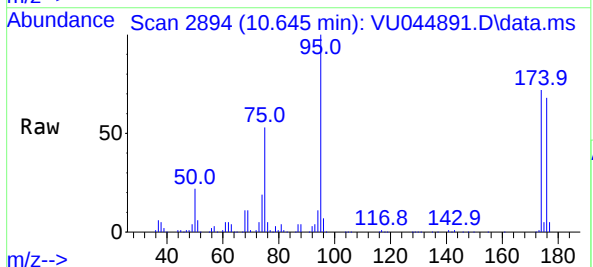
Instrument :
MSVOA_U
ClientSampled :
40441

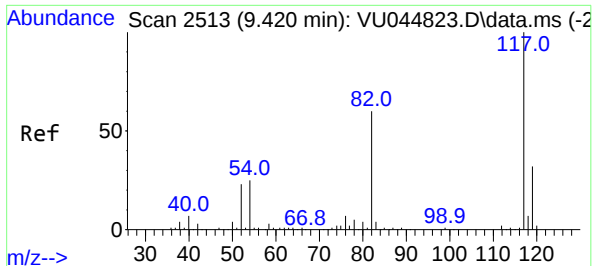
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
58 10.8 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 48.163 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 95 Resp: 180121
Ion Ratio Lower Upper
95 100
174 71.4 0.0 146.6
176 68.5 0.0 141.2

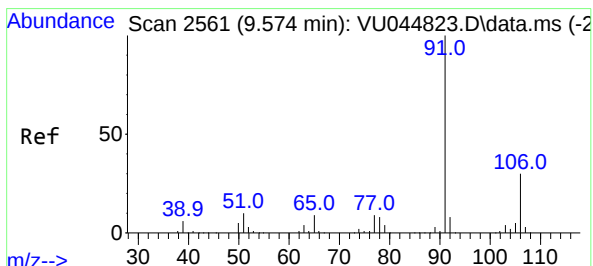
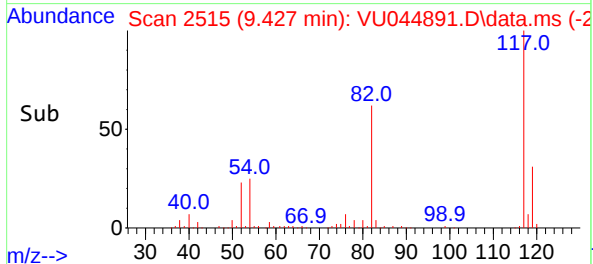
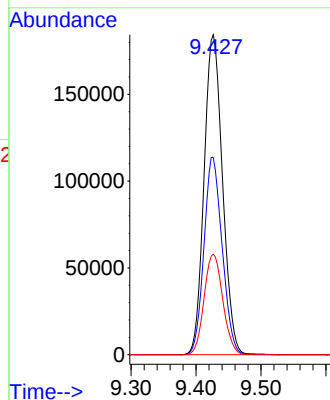
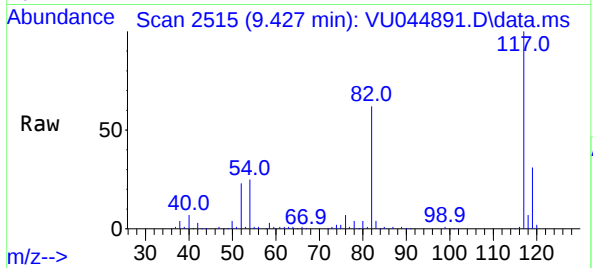




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.427 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

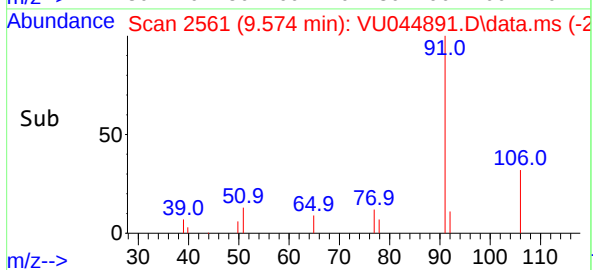
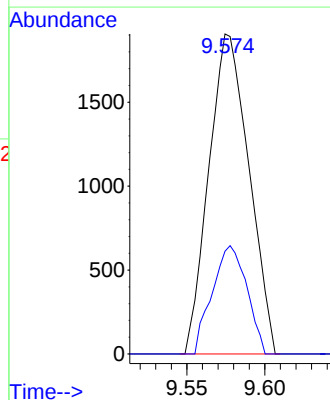
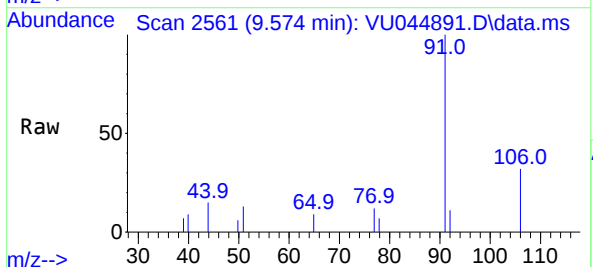
Instrument :
MSVOA_U
ClientSampled :
40441

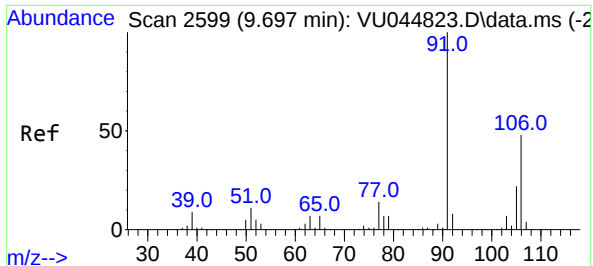
Tgt Ion:117 Resp: 364927
Ion Ratio Lower Upper
117 100
82 61.6 47.8 71.8
119 31.4 25.8 38.6



#67
Ethyl Benzene
Concen: 0.252 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 91 Resp: 3408
Ion Ratio Lower Upper
91 100
106 32.1 24.3 36.5

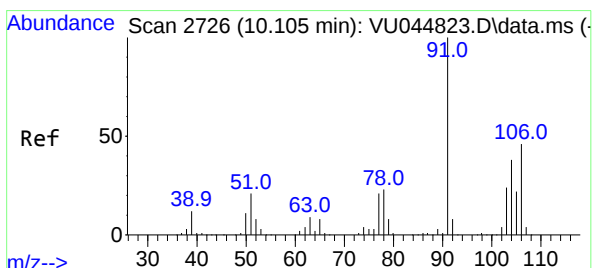
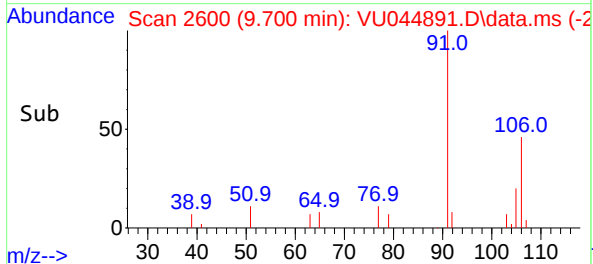
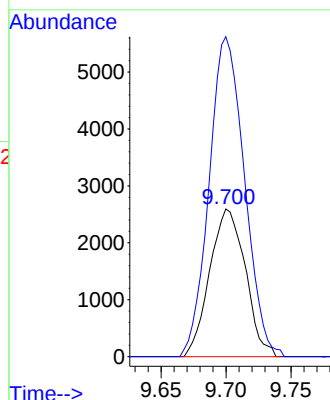
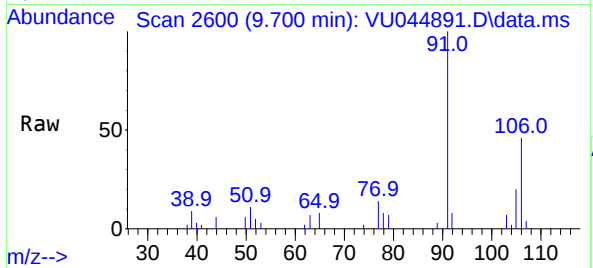




#68
m/p-Xylenes
Concen: 0.958 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

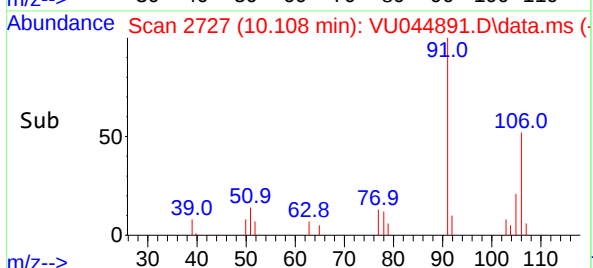
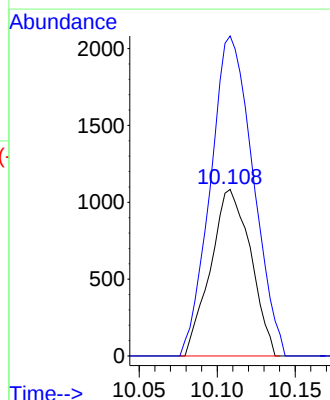
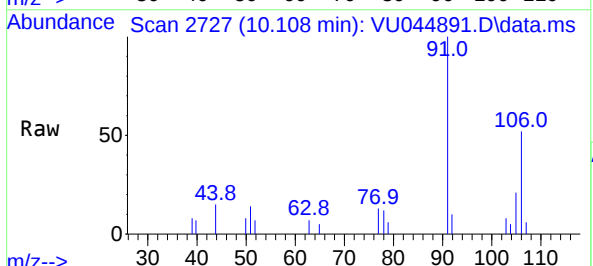
Instrument :
MSVOA_U
ClientSampled :
40441

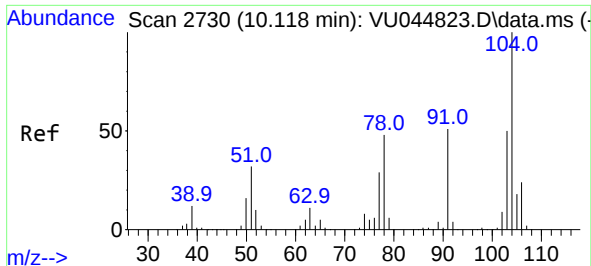
Tgt Ion:106 Resp: 4955
Ion Ratio Lower Upper
106 100
91 214.8 164.2 246.2



#69
o-Xylene
Concen: 0.388 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion:106 Resp: 1939
Ion Ratio Lower Upper
106 100
91 203.9 108.9 326.7

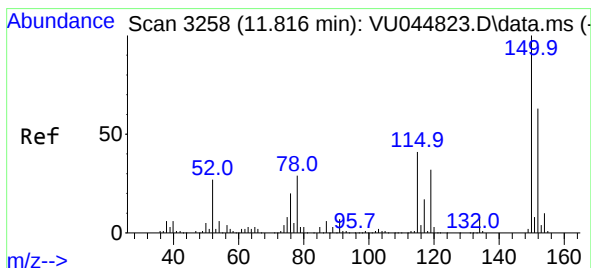
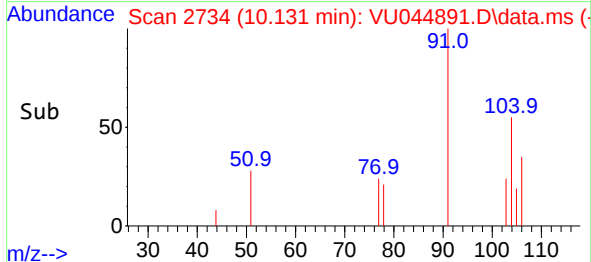
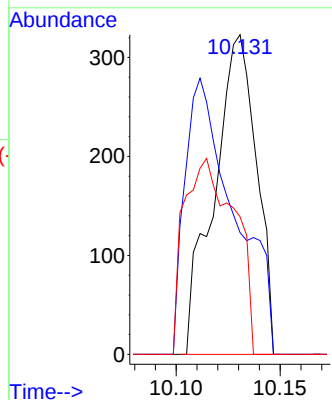
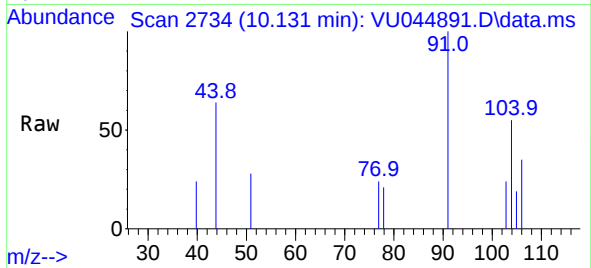




#70
Styrene
Concen: 1.059 ug/l
RT: 10.131 min Scan# 2734
Delta R.T. 0.013 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

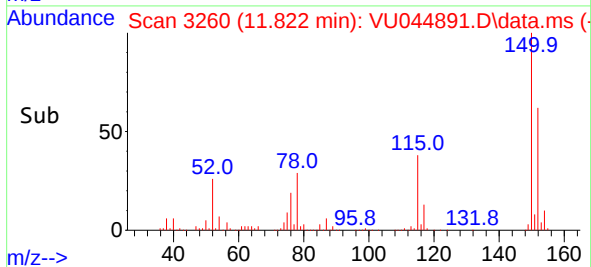
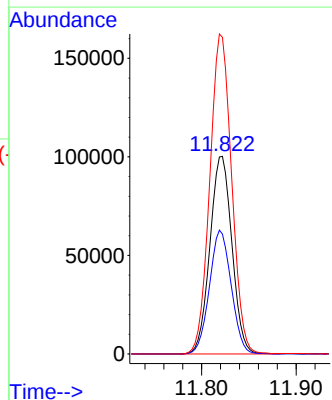
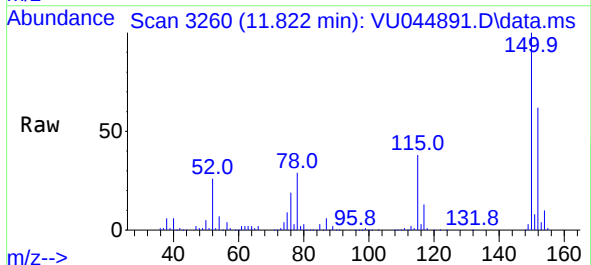
Instrument :
MSVOA_U
ClientSampled :
40441

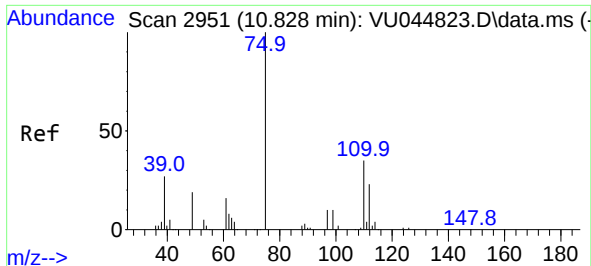
Tgt Ion:104 Resp: 458
Ion Ratio Lower Upper
104 100
78 100.4 41.4 62.0#
103 73.1 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.006 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion:152 Resp: 162333
Ion Ratio Lower Upper
152 100
115 61.8 43.5 130.7
150 160.5 0.0 350.0

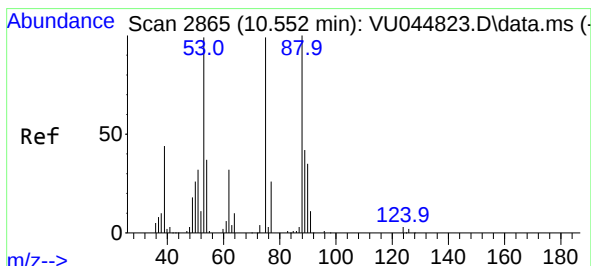
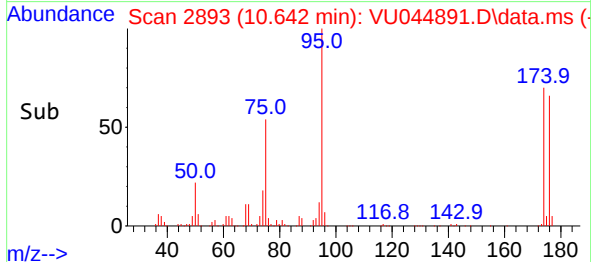
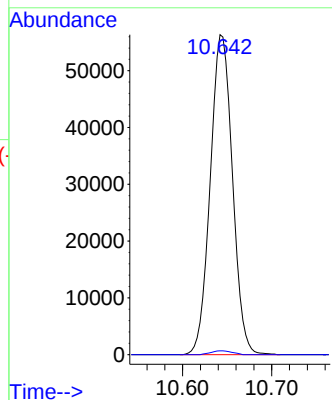
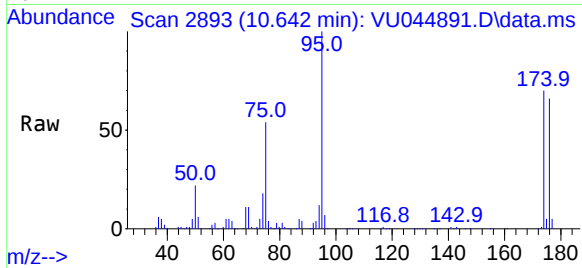




#76
1,2,3-Trichloropropane
Concen: 19.856 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

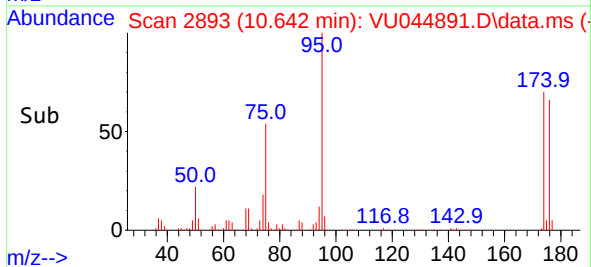
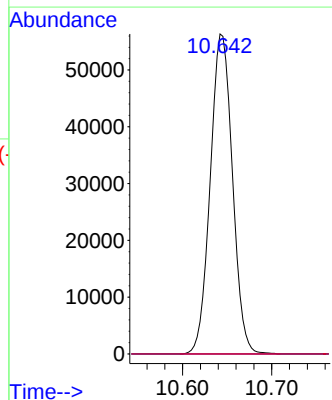
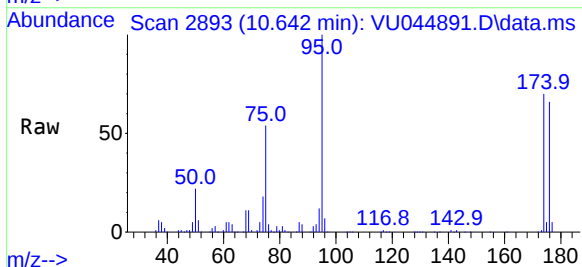
Instrument :
MSVOA_U
ClientSampled :
40441

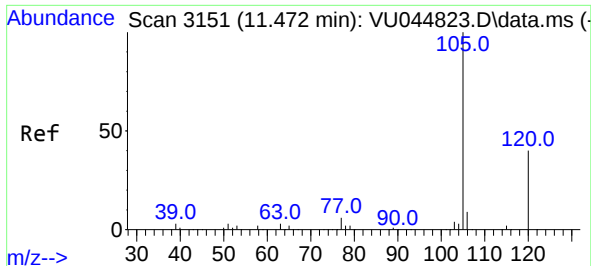
Tgt Ion: 75 Resp: 97606
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.322 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.090 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 75 Resp: 97606
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

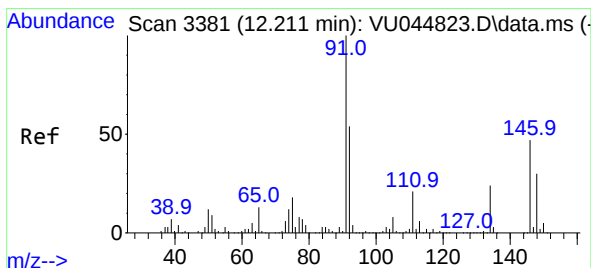
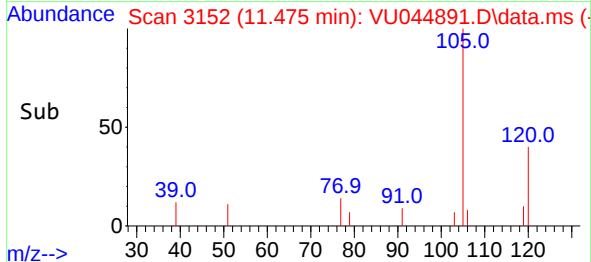
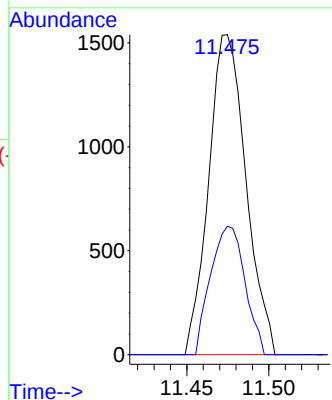
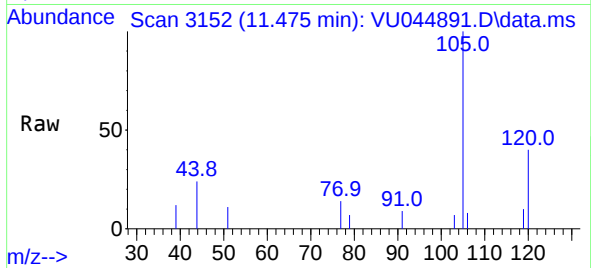




#84
1,2,4-Trimethylbenzene
Concen: 0.253 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

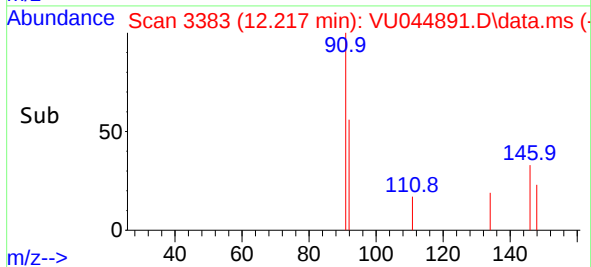
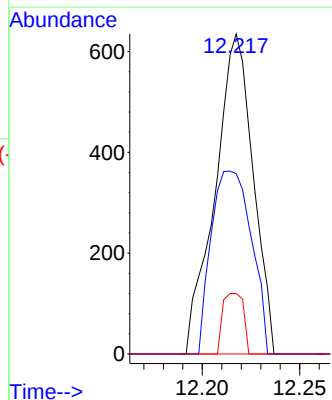
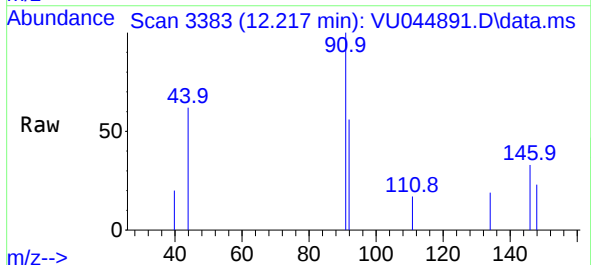
Instrument :
MSVOA_U
ClientSampled :
40441

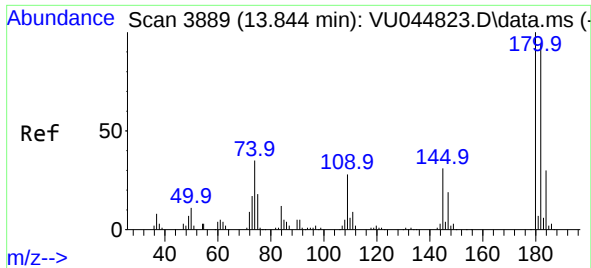
Tgt Ion:105 Resp: 2433
Ion Ratio Lower Upper
105 100
120 36.9 22.4 67.3



#89
n-Butylbenzene
Concen: 1.358 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.006 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion: 91 Resp: 862
Ion Ratio Lower Upper
91 100
92 60.4 26.8 80.4
134 10.2 11.8 35.4#

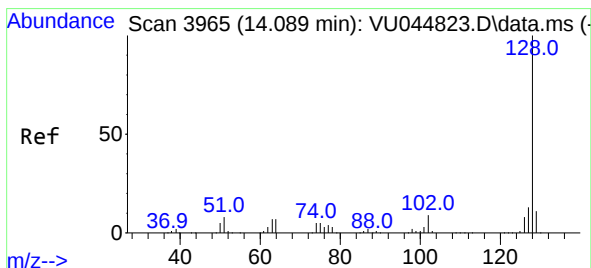
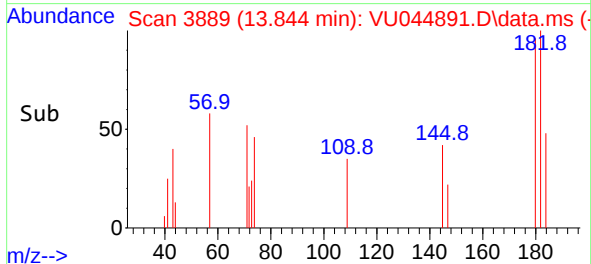
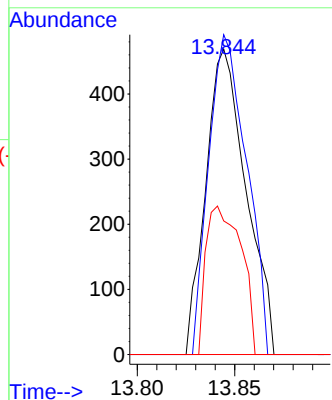
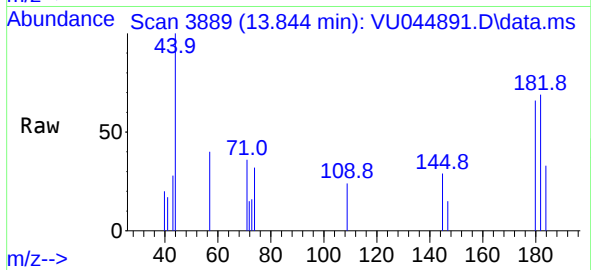




#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.000 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

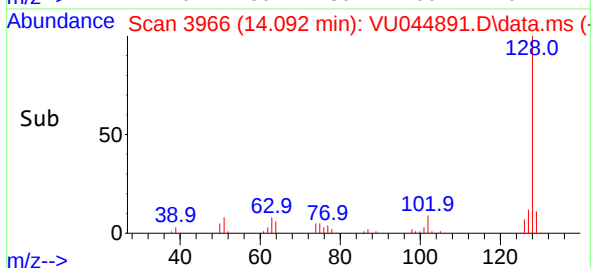
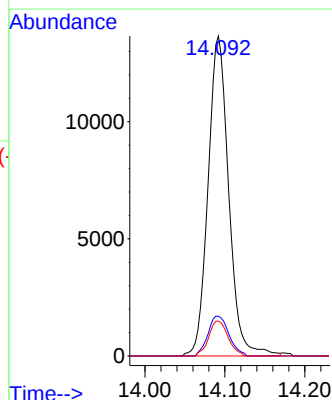
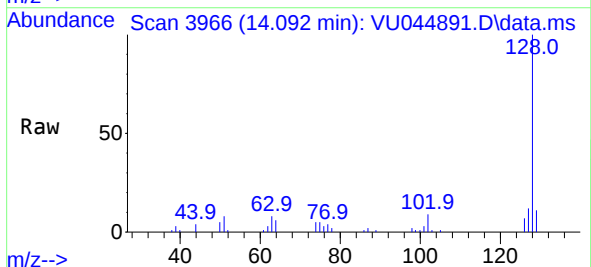
Instrument :
MSVOA_U
ClientSampled :
40441

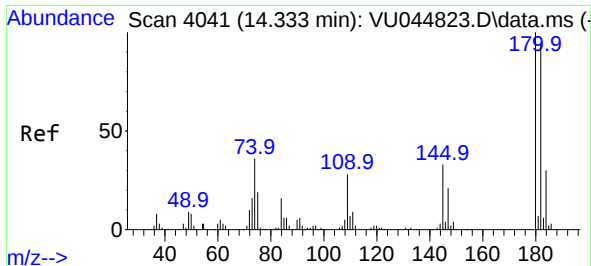
Tgt Ion:180 Resp: 675
Ion Ratio Lower Upper
180 100
182 98.2 47.4 142.3
145 42.4 15.4 46.2



#95
Naphthalene
Concen: 2.878 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU044891.D
Acq: 27 Sep 2021 16:08

Tgt Ion:128 Resp: 24560
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.265 ug/l
 RT: 14.340 min Scan# 4043
 Delta R.T. 0.006 min
 Lab File: VU044891.D
 Acq: 27 Sep 2021 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 40441

Tgt Ion:180 Resp: 843
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.1 141.4
 145 25.9 16.4 49.2

