

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049511.D
 Acq On : 29 Jun 2022 14:37
 Operator : SY/MD
 Sample : N3457-03DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:48:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

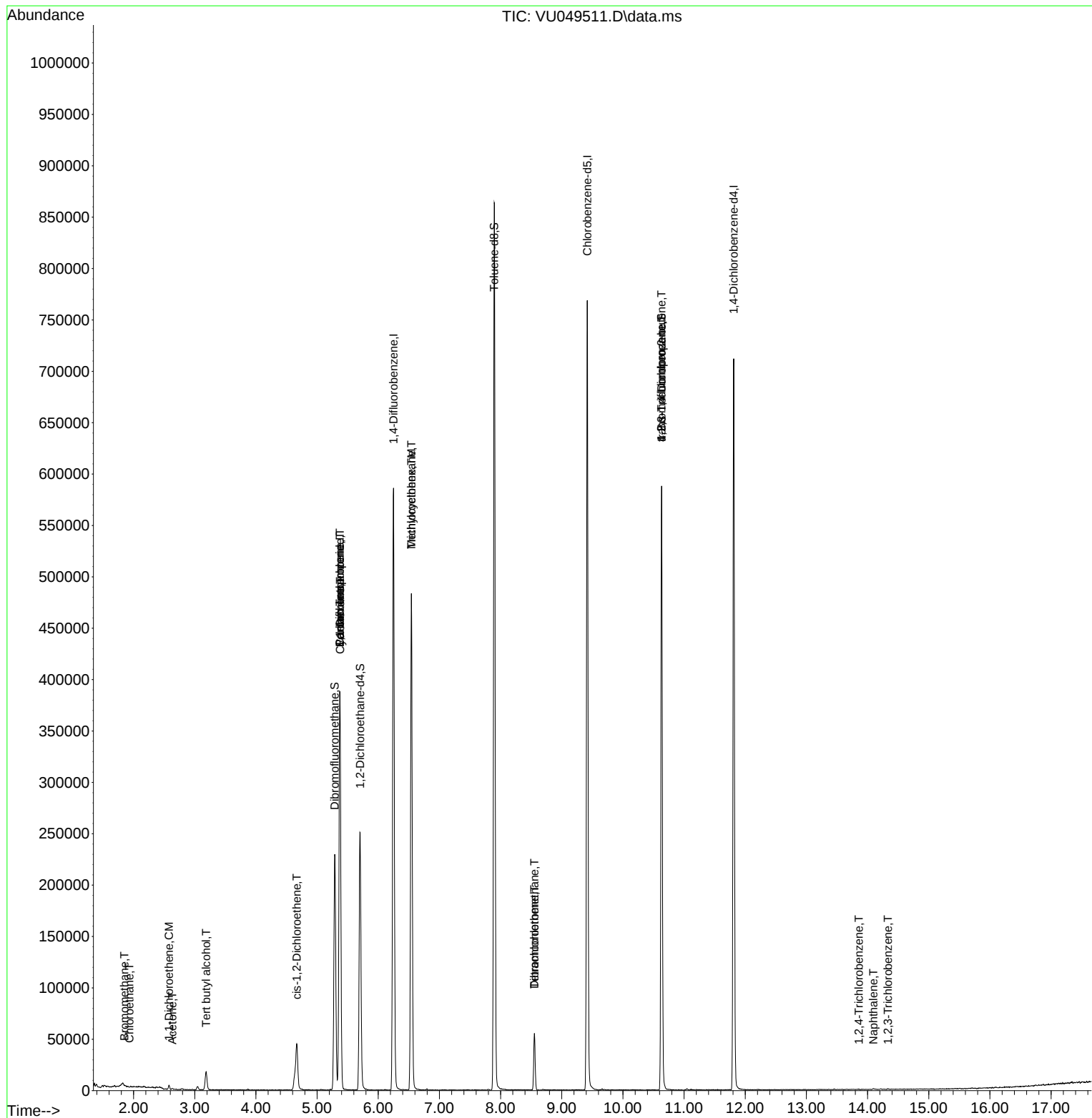
Internal Standards						
1) Pentafluorobenzene	5.372	168	271349	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	477022	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	427697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	190952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	187588	44.889	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.780%
35) Dibromofluoromethane	5.288	113	150747	45.169	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.340%
50) Toluene-d8	7.896	98	573979	48.219	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.440%
62) 4-Bromofluorobenzene	10.632	95	203048	44.530	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1391	Below Cal	#	85
5) Bromomethane	1.851	94	343	0.251	ug/l #	61
6) Chloroethane	1.932	64	21	1.925	ug/l #	44
11) Tert butyl alcohol	3.186	59	10590	10.827	ug/l #	37
12) 1,1-Dichloroethene	2.578	96	1309	0.444	ug/l #	78
16) Acetone	2.633	43	1234	0.586	ug/l #	88
20) Methylene Chloride	3.051	84	1462	Below Cal		89
27) cis-1,2-Dichloroethene	4.668	96	21466	5.848	ug/l	99
31) Cyclohexane	5.375	56	5818	0.927	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21883	4.522	ug/l #	48
38) Carbon Tetrachloride	5.372	117	27389	5.397	ug/l #	16
39) Methylcyclohexane	6.542	83	2066	0.356	ug/l #	1
44) Trichloroethene	6.542	130	161493	46.498	ug/l	89
60) Dibromochloromethane	8.552	129	11958	3.203	ug/l #	11
64) Tetrachloroethene	8.552	164	12065	4.398	ug/l	94
76) 1,2,3-Trichloropropane	10.632	75	102243	15.795	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	102243	58.329	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	129	1.783	ug/l #	63
95) Naphthalene	14.095	128	1550	1.836	ug/l #	78
96) 1,2,3-Trichlorobenzene	14.333	180	162	1.213	ug/l #	23

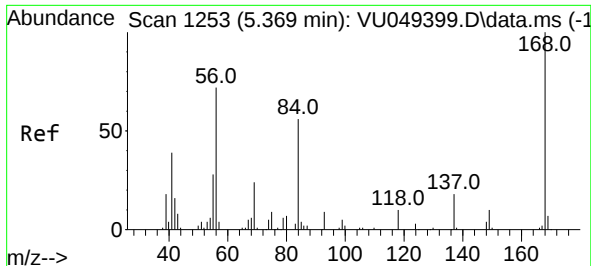
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

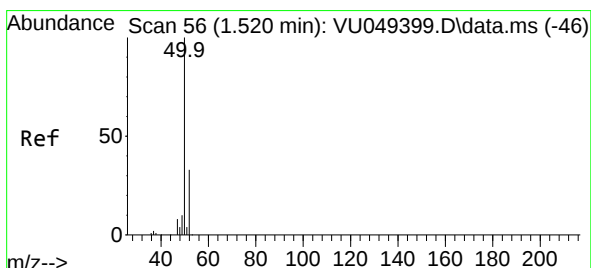
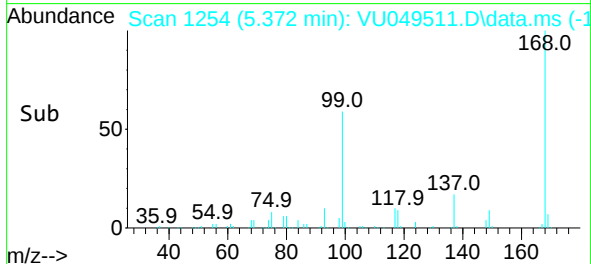
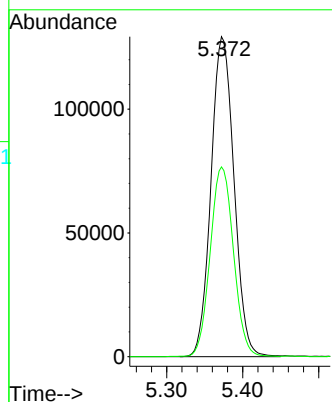
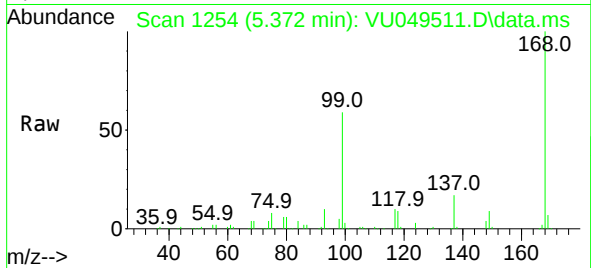




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

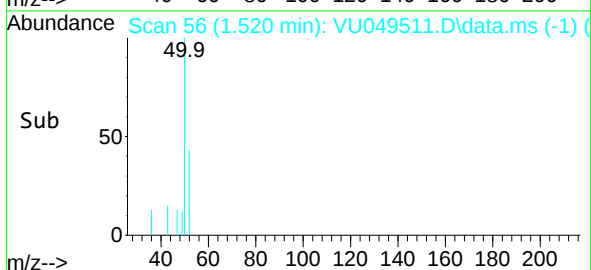
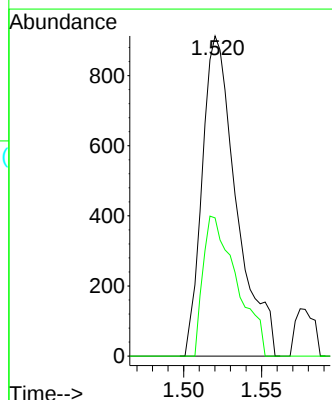
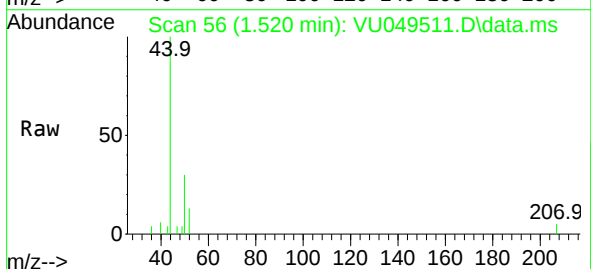
Instrument :
MSVOA_U
ClientSampleId :

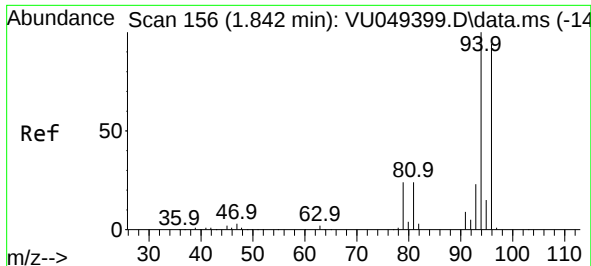
Tgt Ion:168 Resp: 271349
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion: 50 Resp: 1391
Ion Ratio Lower Upper
50 100
52 43.2 27.4 41.2#

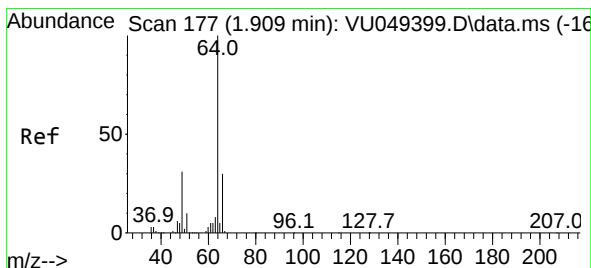
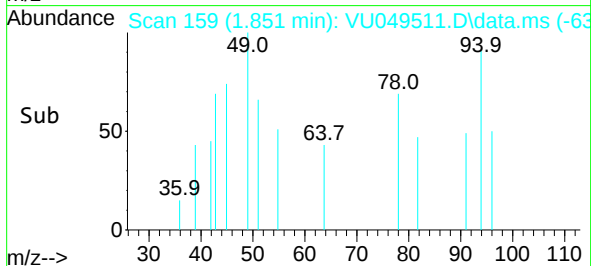
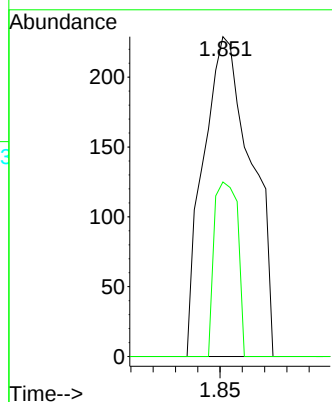
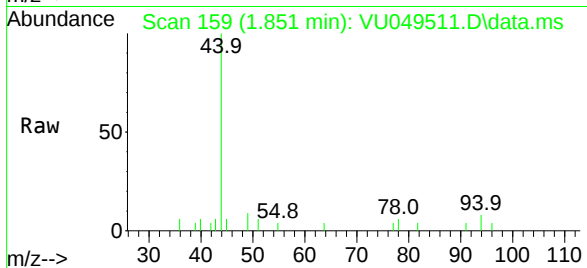




#5
Bromomethane
Concen: 0.251 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

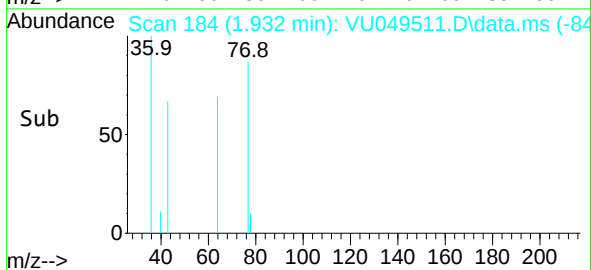
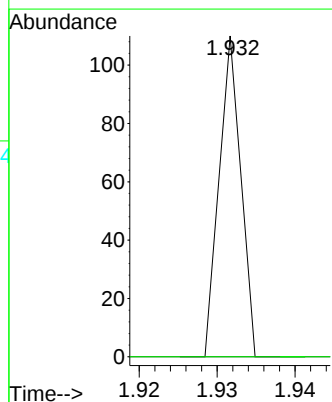
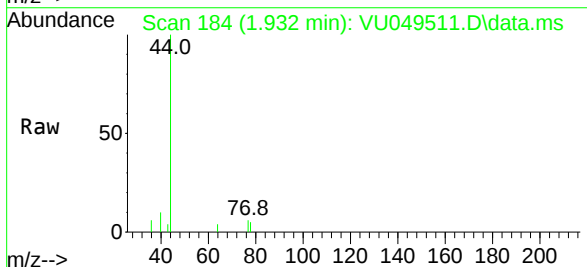
Instrument :
MSVOA_U
ClientSampleId :

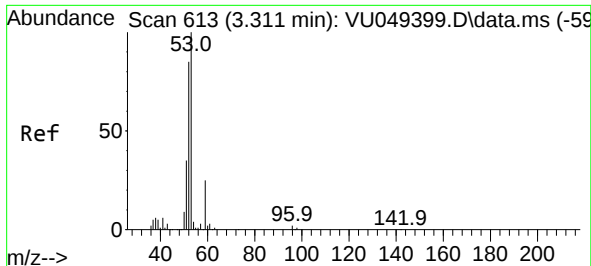
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 54.6 73.7 110.5#



#6
Chloroethane
Concen: 1.925 ug/l
RT: 1.932 min Scan# 184
Delta R.T. 0.023 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

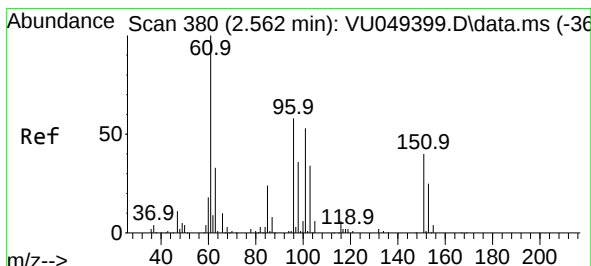
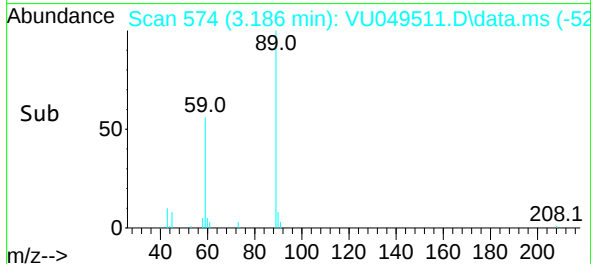
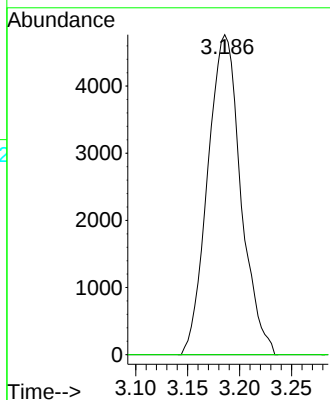
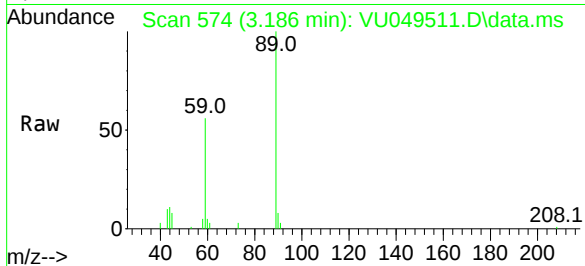




#11
Tert butyl alcohol
Concen: 10.827 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.125 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

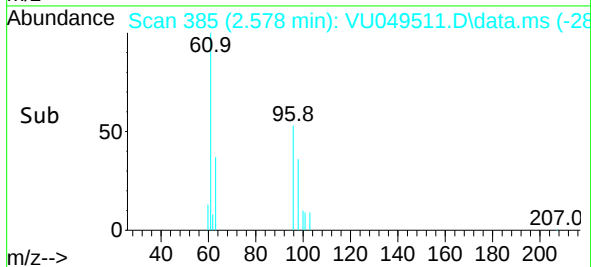
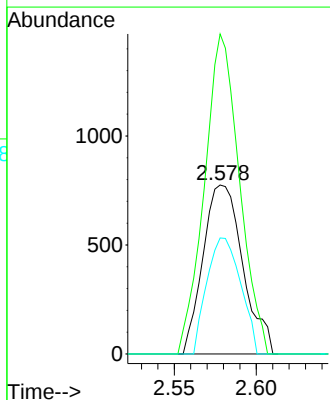
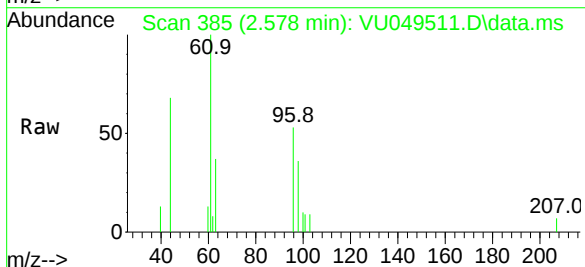
Instrument :
MSVOA_U
ClientSampleId :

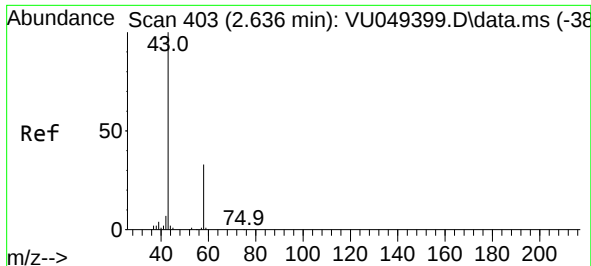
Tgt Ion: 59 Resp: 10590
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 0.444 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion: 96 Resp: 1309
Ion Ratio Lower Upper
96 100
61 189.4 122.2 183.2#
98 68.6 50.7 76.1





#16

Acetone

Concen: 0.586 ug/l

RT: 2.633 min Scan# 40

Delta R.T. -0.003 min

Lab File: VU049511.D

Acq: 29 Jun 2022 14:37

Instrument :

MSVOA_U

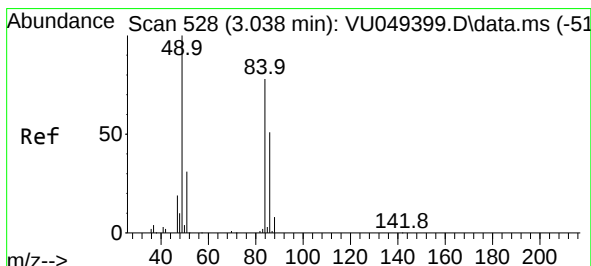
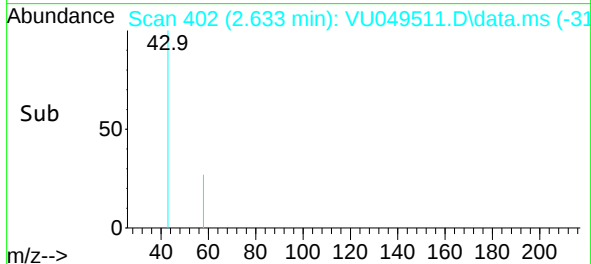
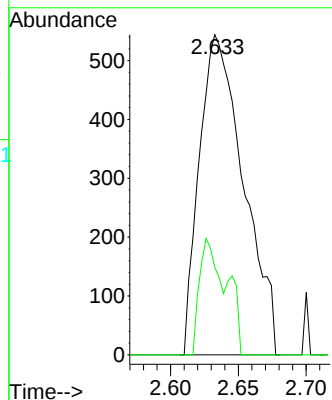
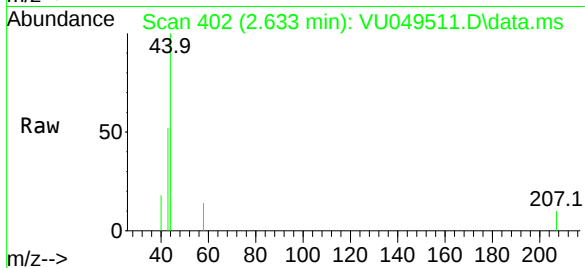
ClientSampleId :

Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

58 27.4 27.5 41.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.051 min Scan# 532

Delta R.T. 0.013 min

Lab File: VU049511.D

Acq: 29 Jun 2022 14:37

Tgt Ion: 84 Resp: 1462

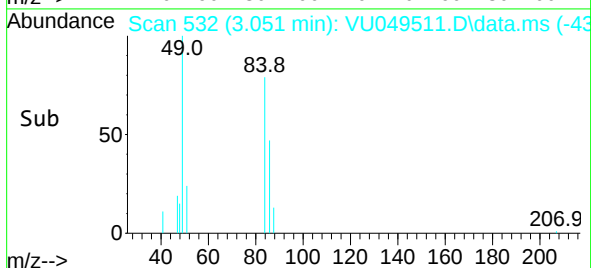
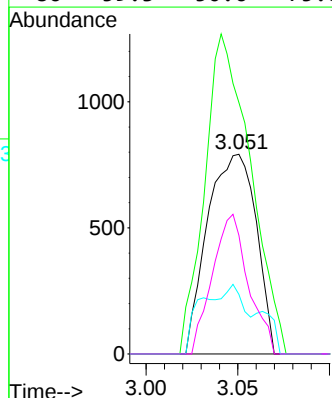
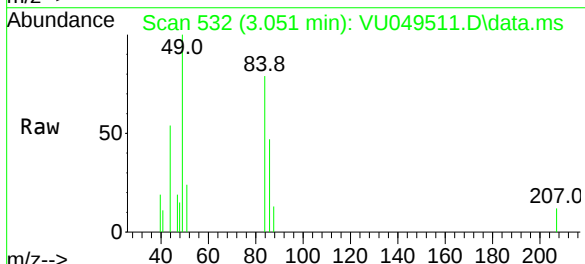
Ion Ratio Lower Upper

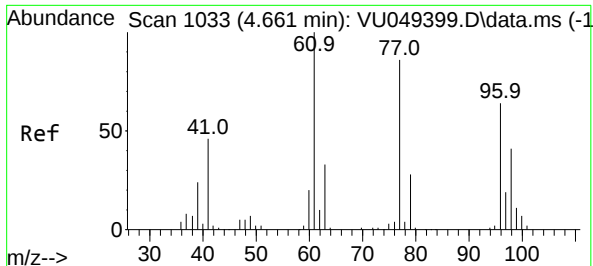
84 100

49 125.9 86.6 129.8

51 29.8 26.6 40.0

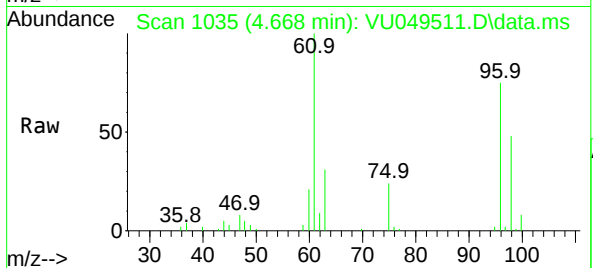
86 59.3 50.6 75.8





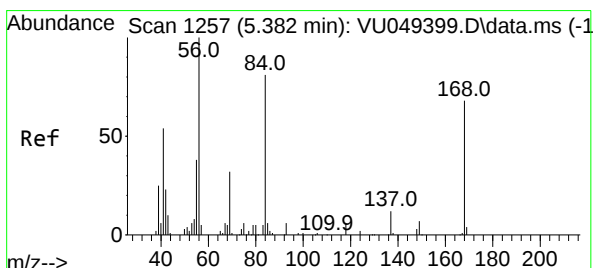
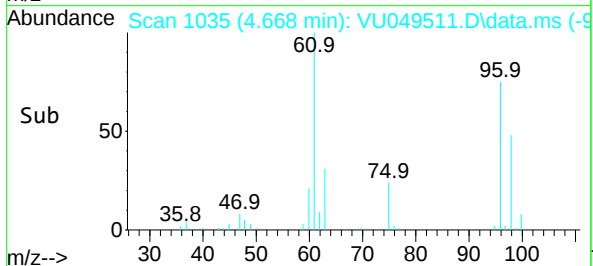
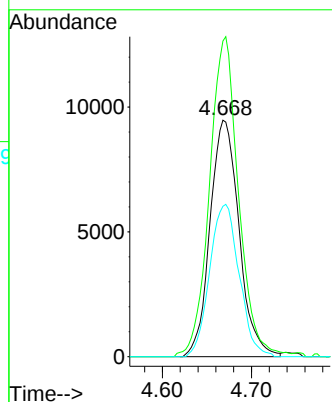
#27
 cis-1,2-Dichloroethene
 Concen: 5.848 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.006 min
 Lab File: VU049511.D
 Acq: 29 Jun 2022 14:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 21466

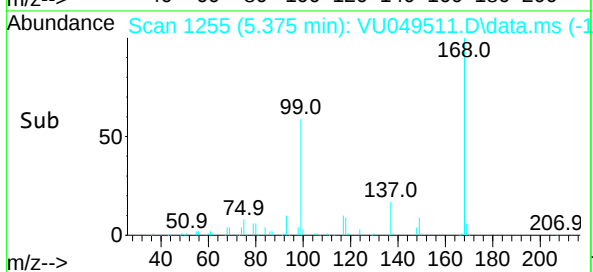
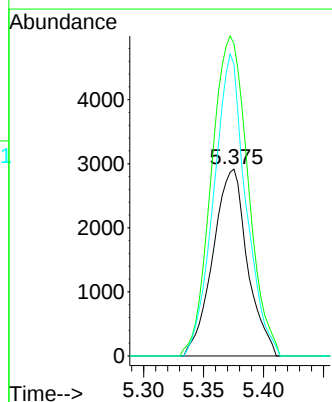
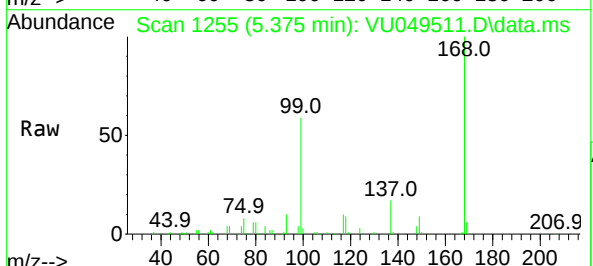
Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	271.6
98	65.4	0.0	128.2

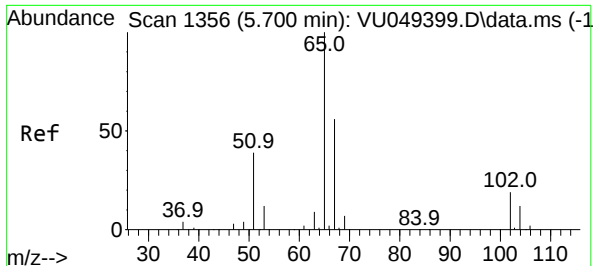


#31
 Cyclohexane
 Concen: 0.927 ug/l
 RT: 5.375 min Scan# 1255
 Delta R.T. -0.006 min
 Lab File: VU049511.D
 Acq: 29 Jun 2022 14:37

Tgt Ion: 56 Resp: 5818

Ion	Ratio	Lower	Upper
56	100		
69	167.1	27.8	41.8#
84	156.1	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 44.889 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049511.D

Acq: 29 Jun 2022 14:37

Instrument :

MSVOA_U

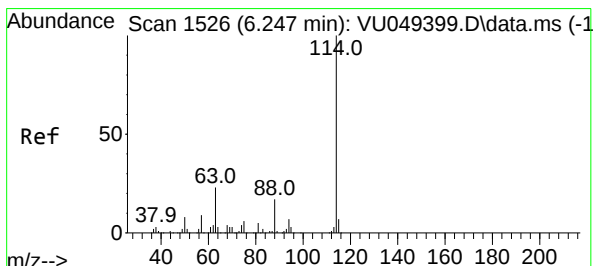
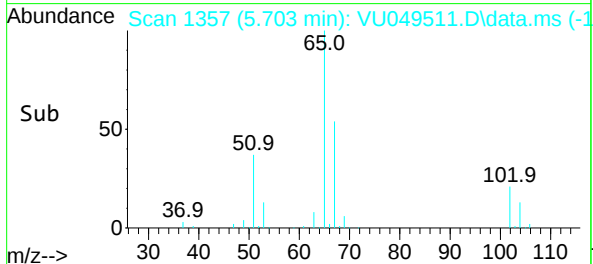
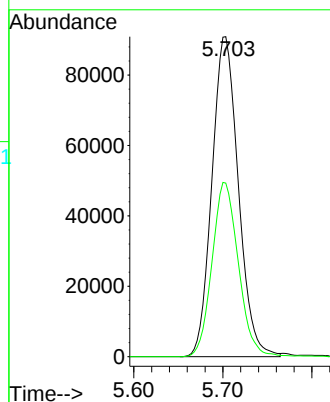
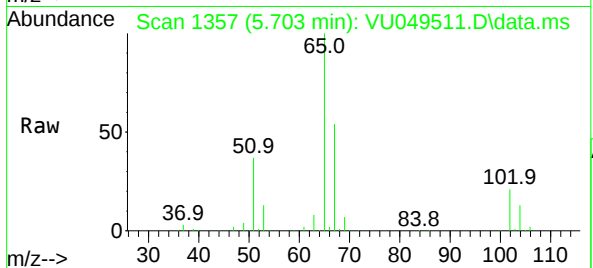
ClientSampleId :

Tgt Ion: 65 Resp: 187588

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049511.D

Acq: 29 Jun 2022 14:37

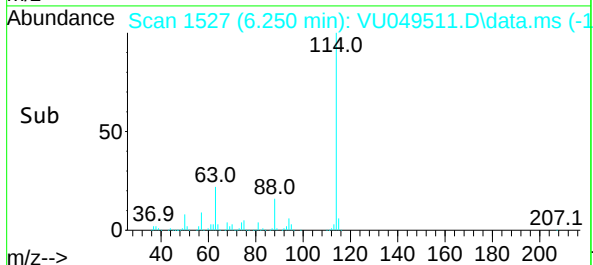
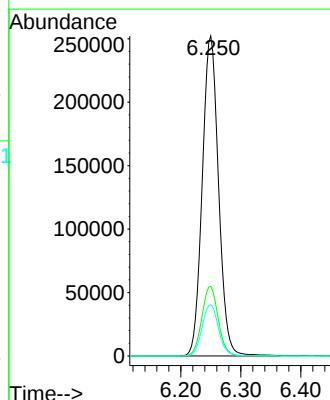
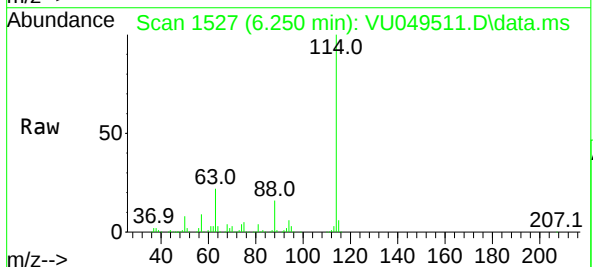
Tgt Ion: 114 Resp: 477022

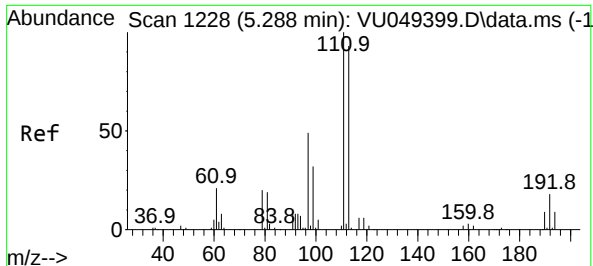
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

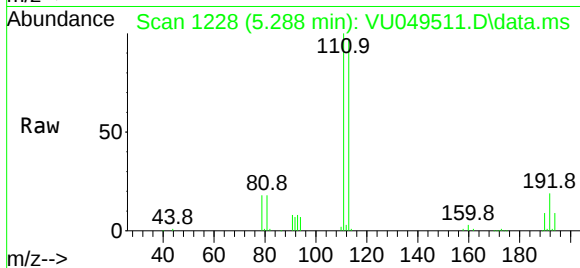
88 16.0 0.0 29.2



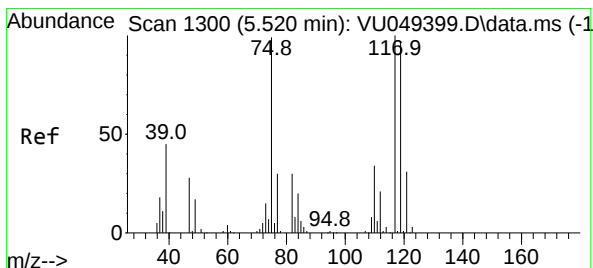
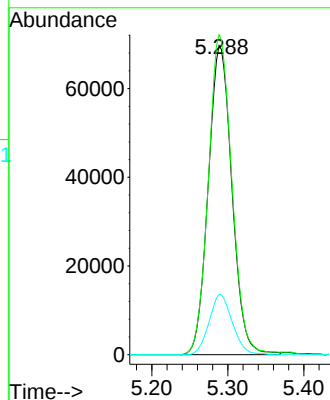
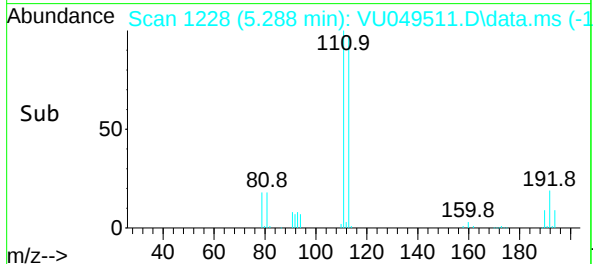


#35
Dibromofluoromethane
Concen: 45.169 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Instrument :
MSVOA_U
ClientSampleId :

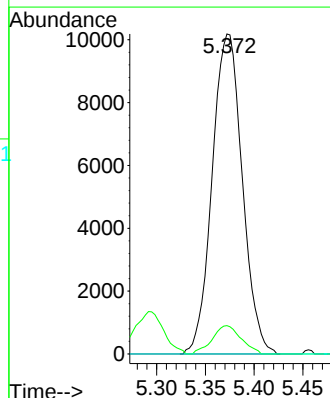
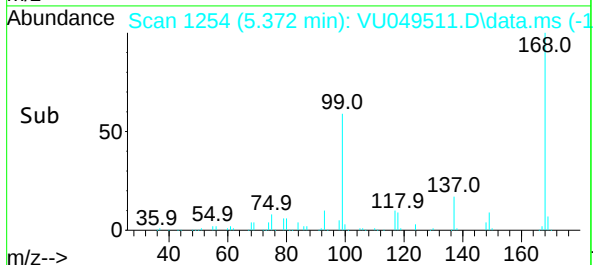
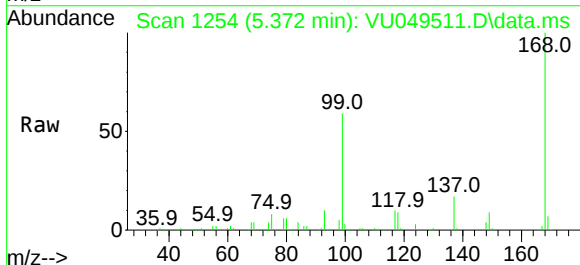


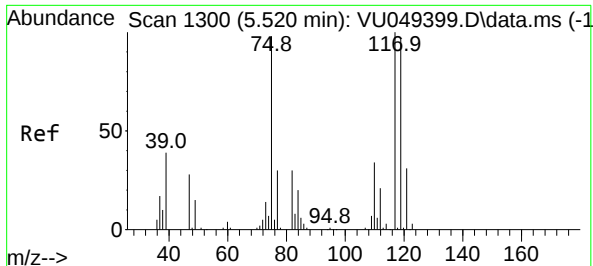
Tgt Ion:113 Resp: 150747
Ion Ratio Lower Upper
113 100
111 102.7 82.1 123.1
192 19.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.522 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

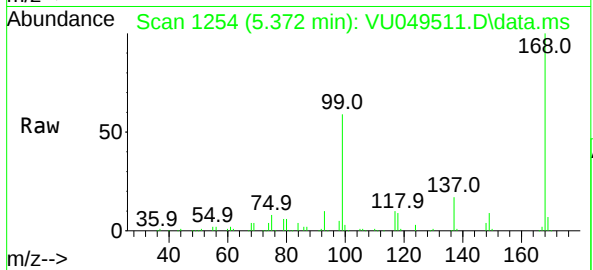
Tgt Ion: 75 Resp: 21883
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 25.1 37.7#



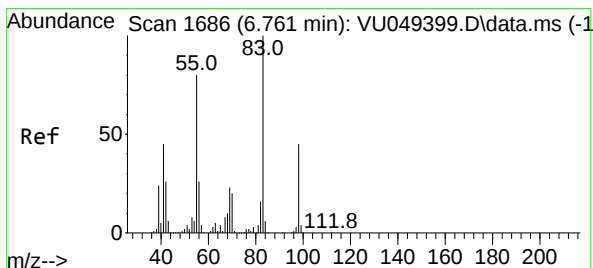
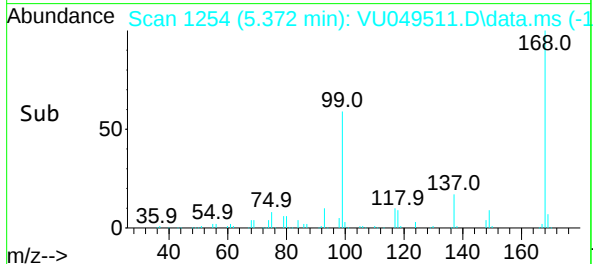
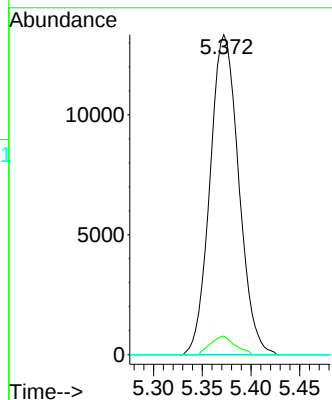


#38
Carbon Tetrachloride
Concen: 5.397 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Instrument :
MSVOA_U
ClientSampleId :

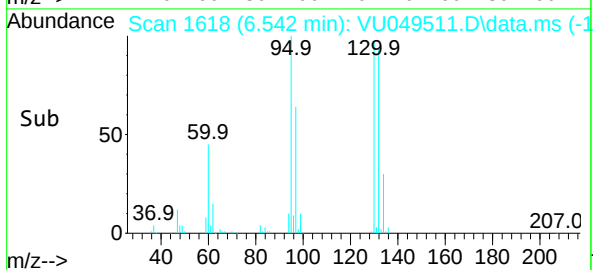
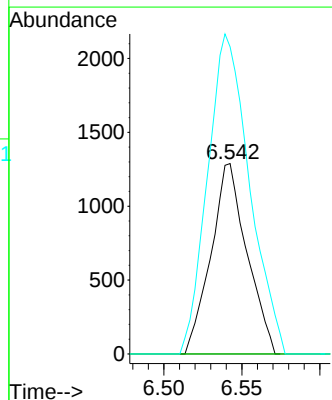
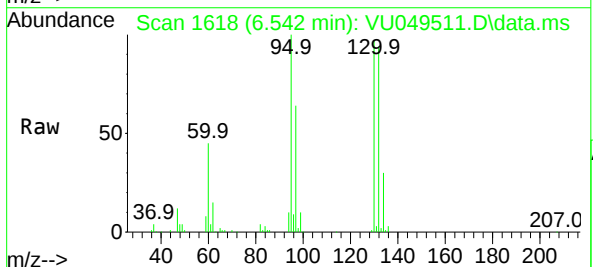


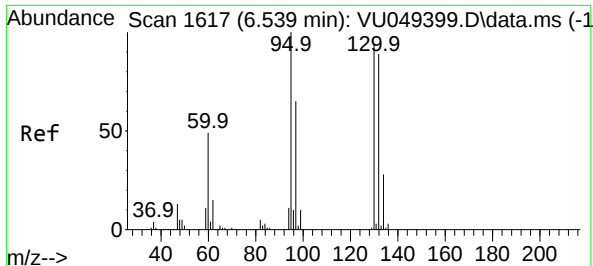
Tgt Ion:117 Resp: 27389
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.356 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.219 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion: 83 Resp: 2066
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 161.2 37.3 55.9#





#44

Trichloroethene

Concen: 46.498 ug/l

RT: 6.542 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049511.D

Acq: 29 Jun 2022 14:37

Instrument :

MSVOA_U

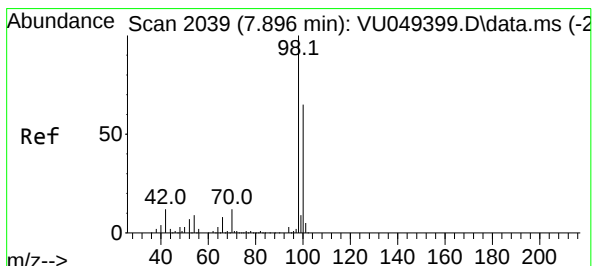
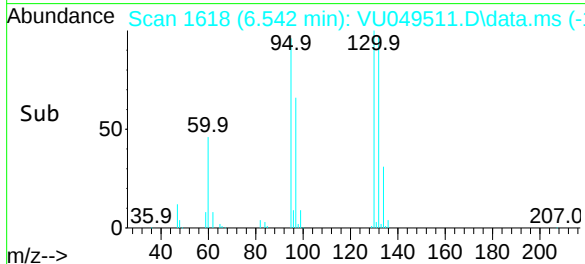
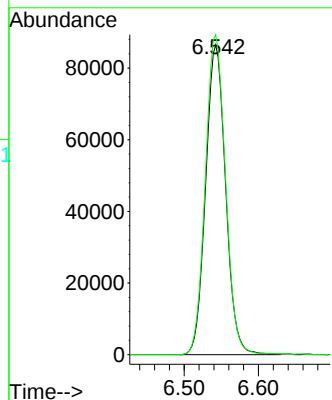
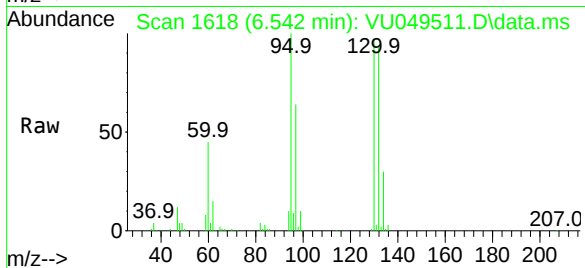
ClientSampleId :

Tgt Ion:130 Resp: 161493

Ion Ratio Lower Upper

130 100

95 103.3 0.0 184.6



#50

Toluene-d8

Concen: 48.219 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049511.D

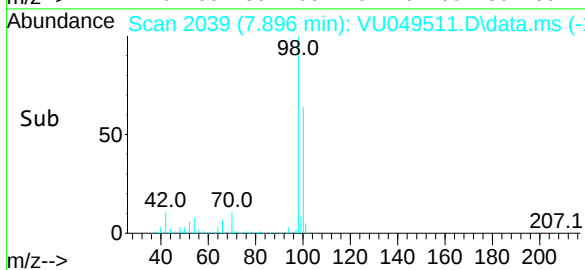
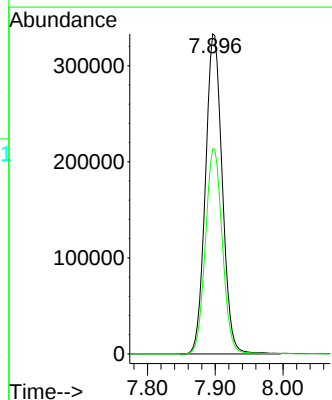
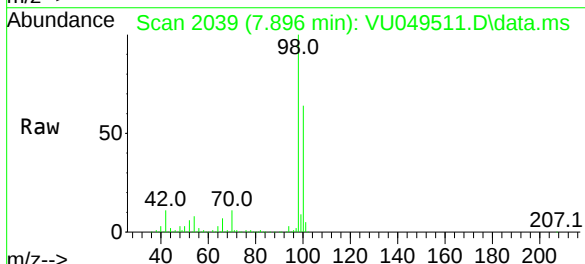
Acq: 29 Jun 2022 14:37

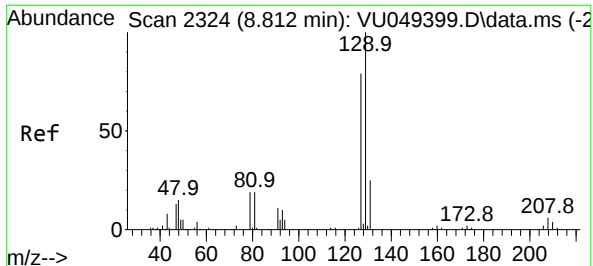
Tgt Ion: 98 Resp: 573979

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

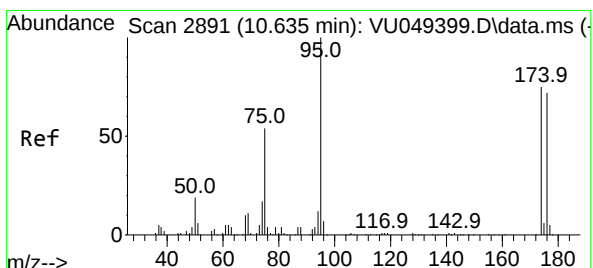
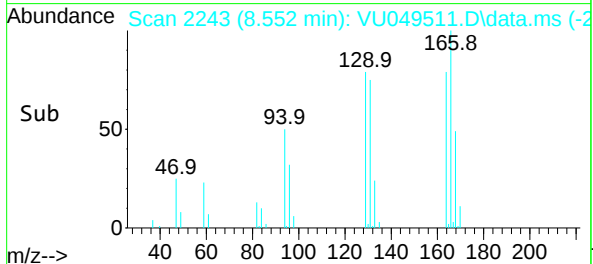
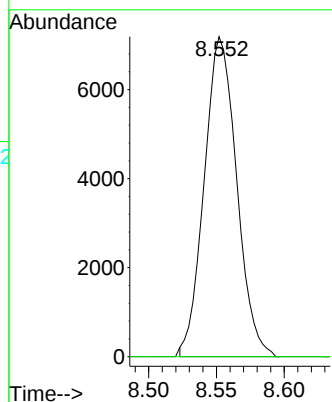
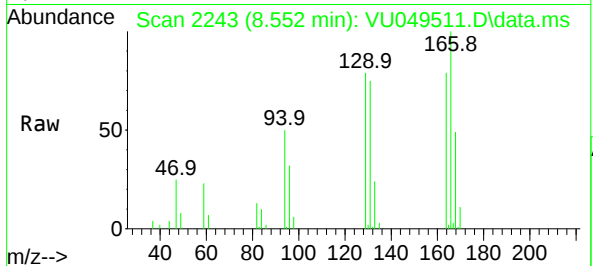




#60
Dibromochloromethane
Concen: 3.203 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.260 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

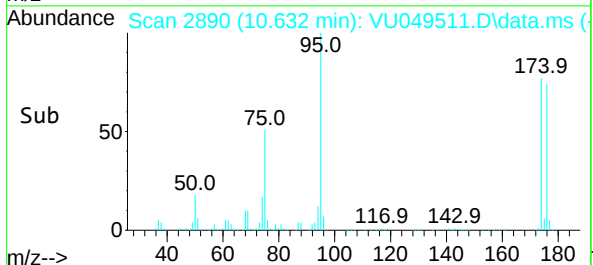
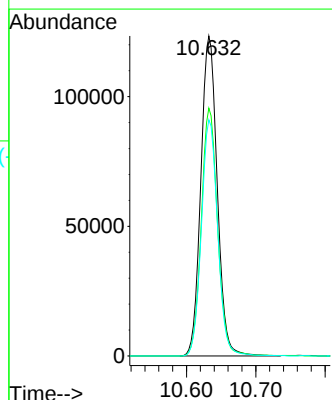
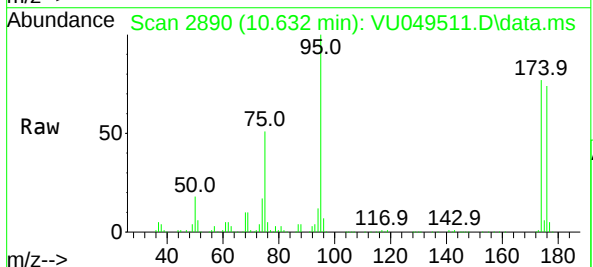
Instrument :
MSVOA_U
ClientSampleId :

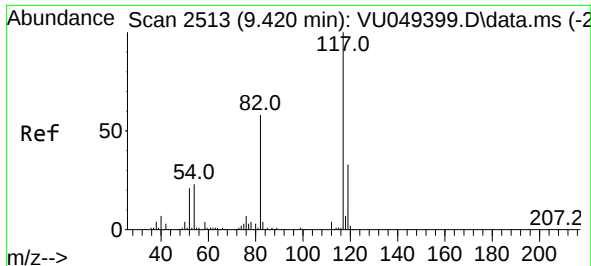
Tgt Ion:129 Resp: 11958
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.530 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

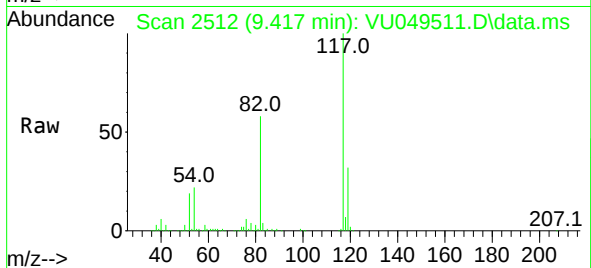
Tgt Ion: 95 Resp: 203048
Ion Ratio Lower Upper
95 100
174 76.6 0.0 182.0
176 73.4 0.0 177.8



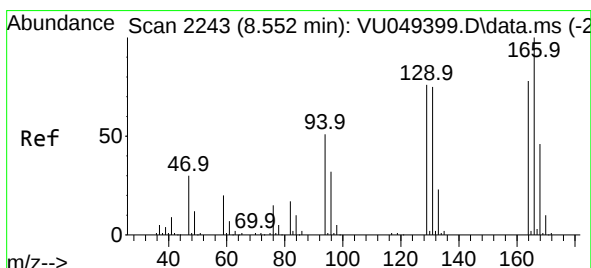
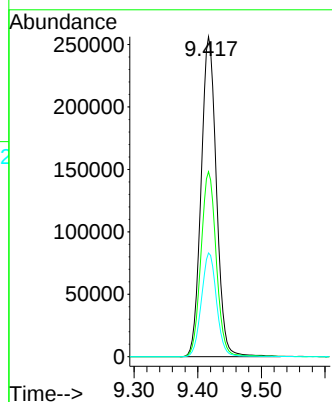
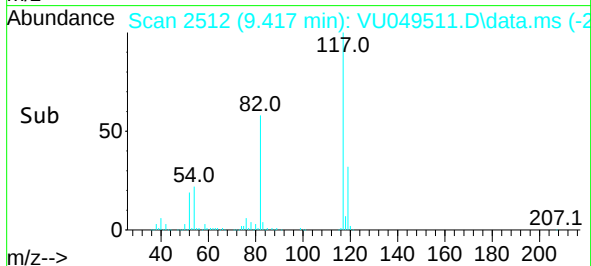


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Instrument :
MSVOA_U
ClientSampleId :

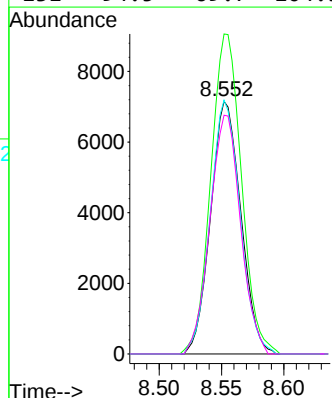
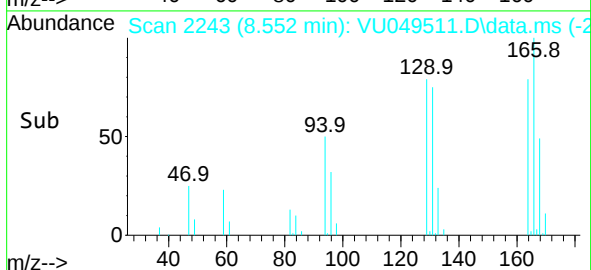
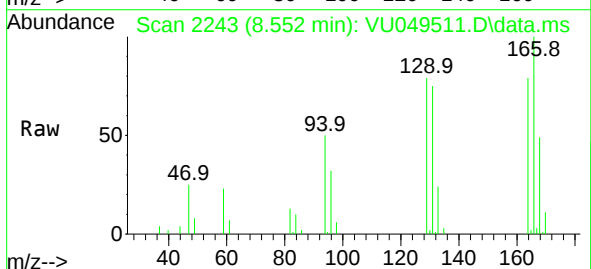


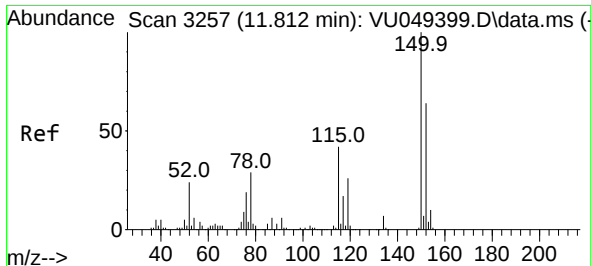
Tgt Ion:117 Resp: 427697
Ion Ratio Lower Upper
117 100
82 57.8 41.7 62.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 4.398 ug/l
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion:164 Resp: 12065
Ion Ratio Lower Upper
164 100
166 126.7 100.0 150.0
129 100.5 72.0 108.0
131 94.5 69.7 104.5

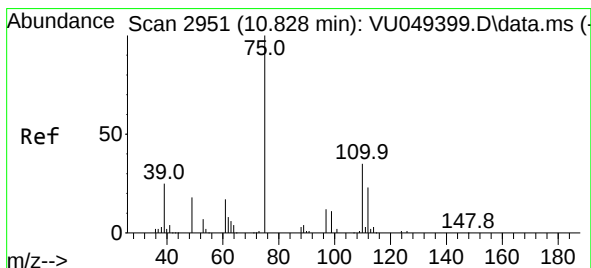
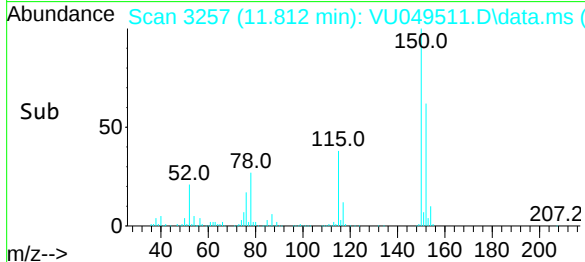
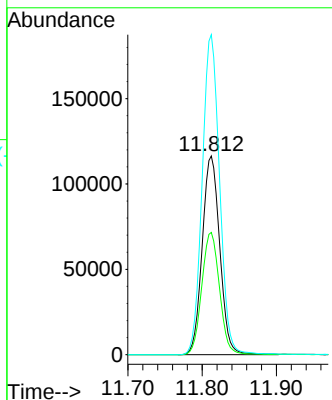
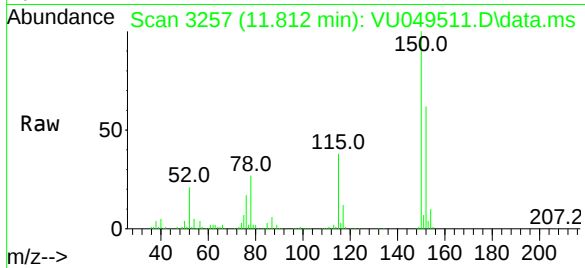




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049511.D
 Acq: 29 Jun 2022 14:37

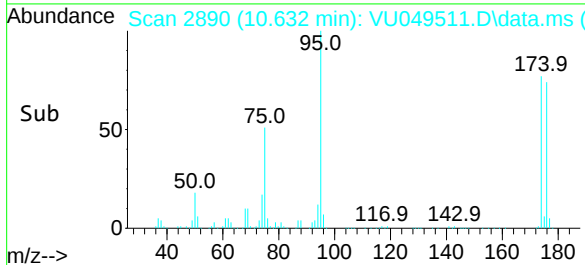
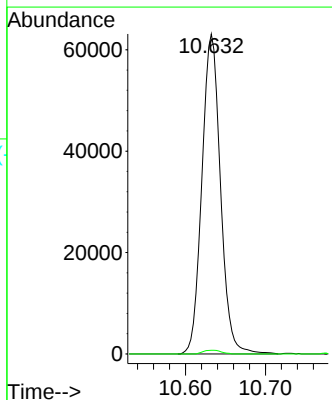
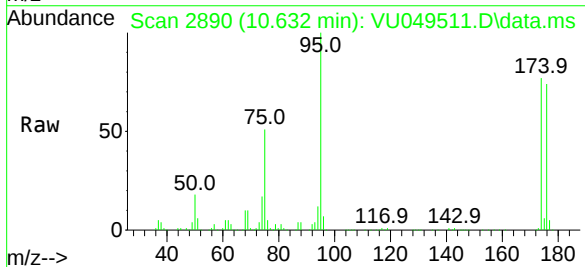
Instrument :
 MSVOA_U
 ClientSampleId :

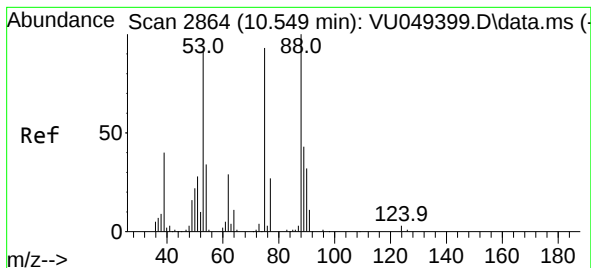
Tgt Ion:152 Resp: 190952
 Ion Ratio Lower Upper
 152 100
 115 62.1 37.0 110.9
 150 159.6 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.795 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049511.D
 Acq: 29 Jun 2022 14:37

Tgt Ion: 75 Resp: 102243
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

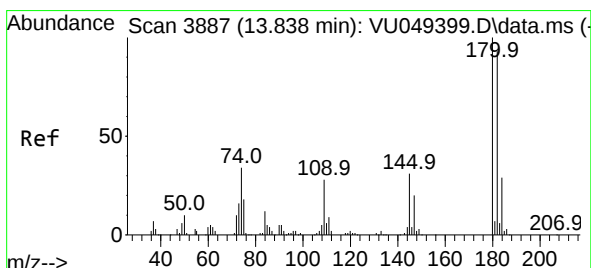
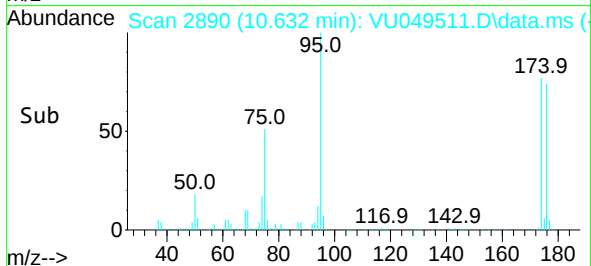
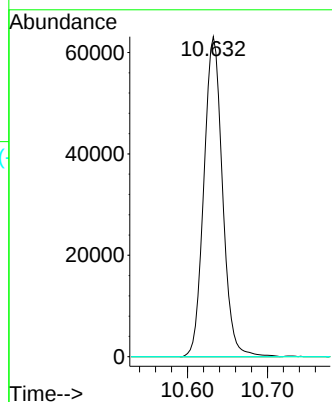
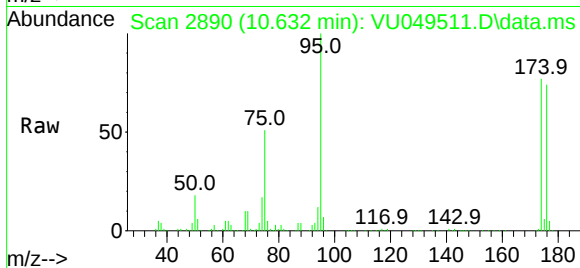




#81
trans-1,4-Dichloro-2-butene
Concen: 58.329 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

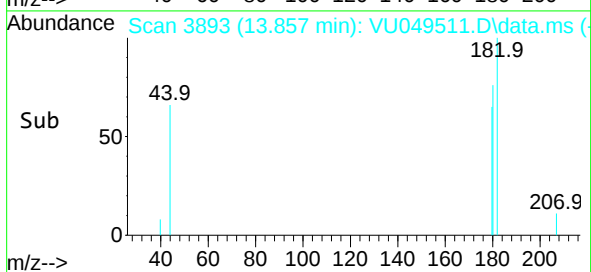
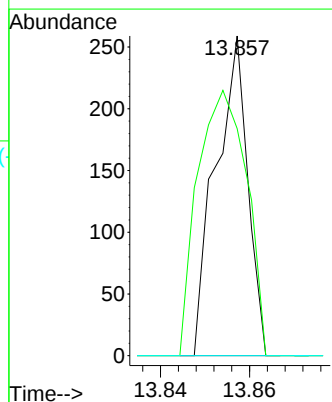
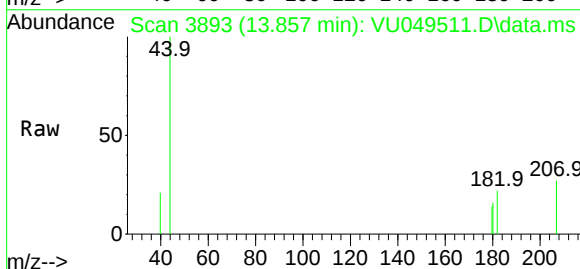
Instrument :
MSVOA_U
ClientSampleId :

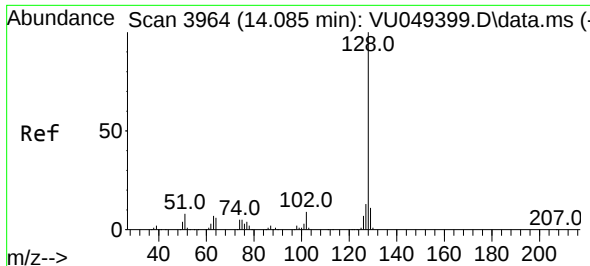
Tgt Ion: 75 Resp: 102243
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.783 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.019 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion:180 Resp: 129
Ion Ratio Lower Upper
180 100
182 127.1 47.9 143.6
145 0.0 14.0 41.9#

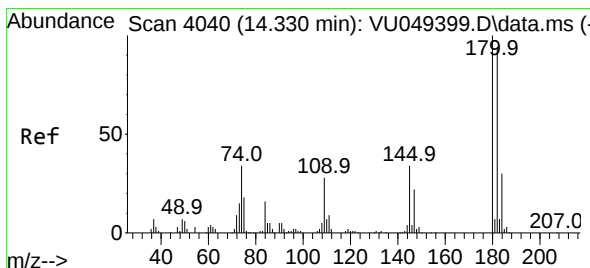
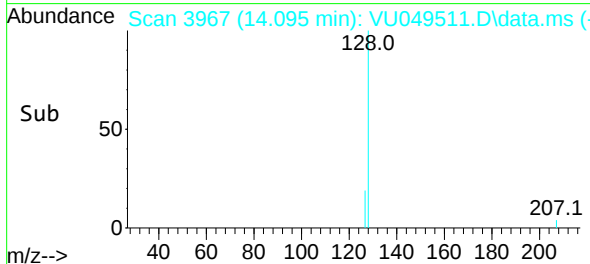
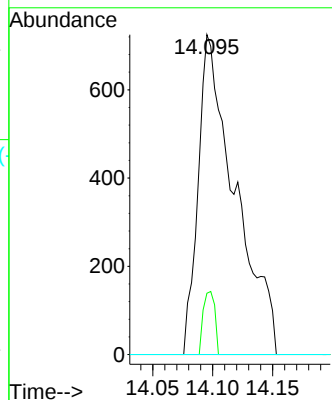
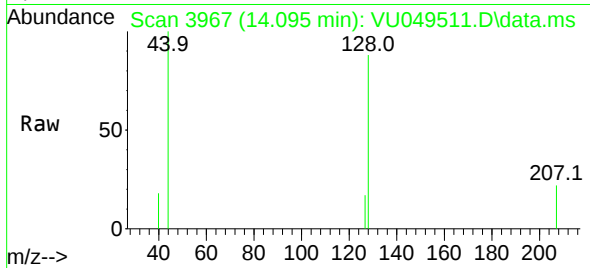




#95
Naphthalene
Concen: 1.836 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1550
Ion Ratio Lower Upper
128 100
127 6.2 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.213 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049511.D
Acq: 29 Jun 2022 14:37

Tgt Ion:180 Resp: 162
Ion Ratio Lower Upper
180 100
182 194.4 48.4 145.0#
145 27.8 14.8 44.4

