

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049530.D
 Acq On : 29 Jun 2022 22:49
 Operator : SY/MD
 Sample : VU0629WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

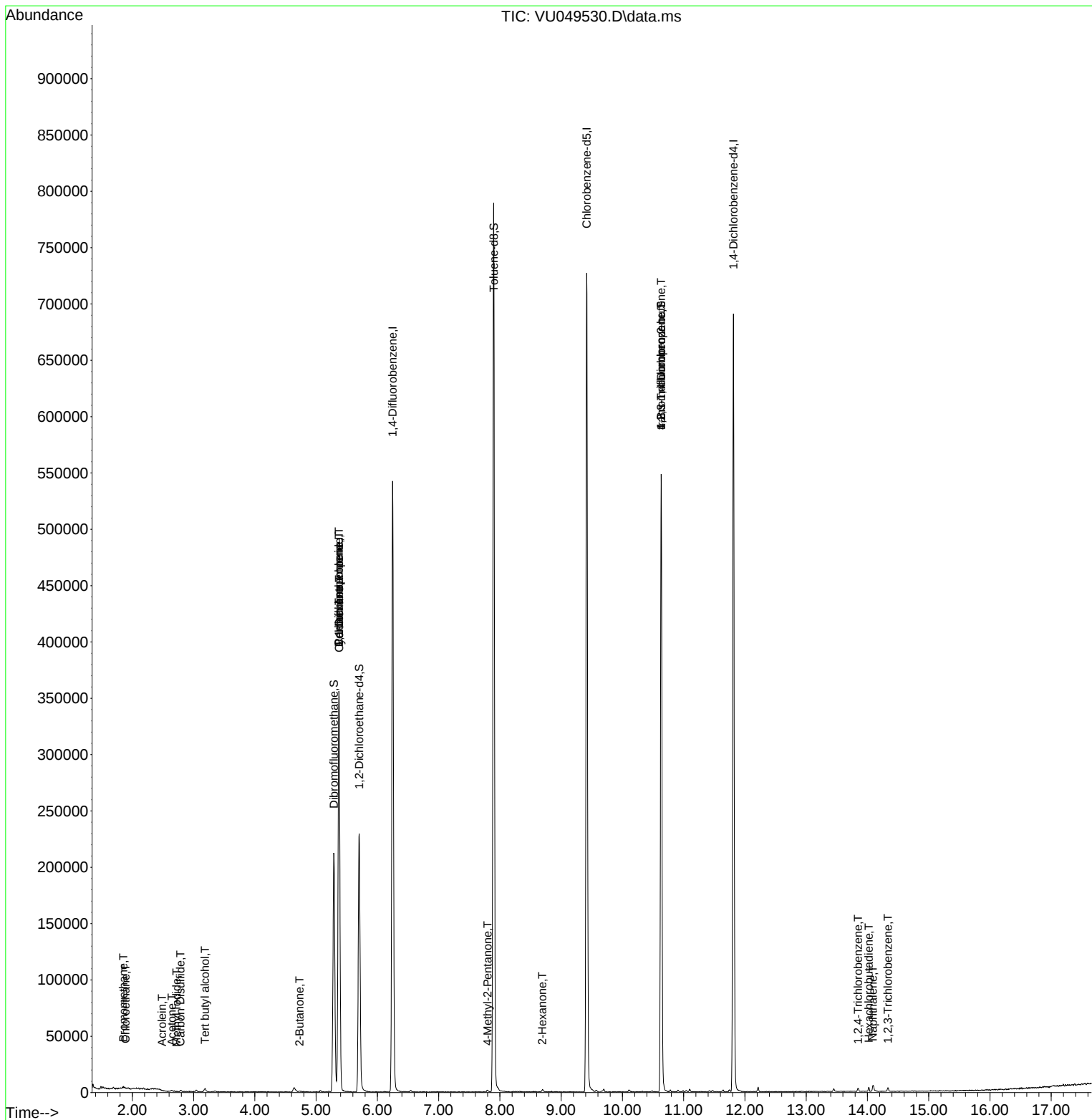
Quant Time: Jun 30 00:51:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

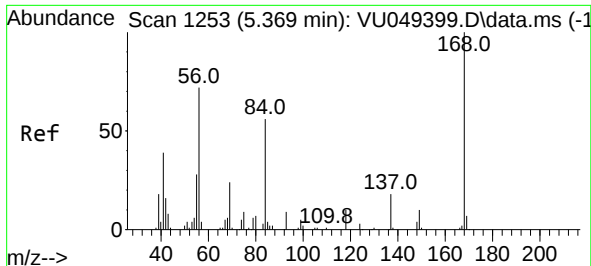
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	250298	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	439498	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	400511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	179313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	174878	45.367	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.740%		
35) Dibromofluoromethane	5.288	113	139122	45.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.500%		
50) Toluene-d8	7.899	98	525740	47.938	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.880%		
62) 4-Bromofluorobenzene	10.632	95	190822	45.421	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.840%		
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	1315	Below Cal		97
5) Bromomethane	1.855	94	337	0.268	ug/l	92
6) Chloroethane	1.890	64	46	1.939	ug/l #	44
10) Methyl Iodide	2.723	142	65	7.533	ug/l #	43
11) Tert butyl alcohol	3.186	59	1818	2.015	ug/l #	37
13) Acrolein	2.485	56	177	0.290	ug/l #	14
16) Acetone	2.645	43	1392	0.716	ug/l #	84
17) Carbon Disulfide	2.787	76	1701	0.201	ug/l	96
20) Methylene Chloride	3.044	84	654	Below Cal	#	65
25) 2-Butanone	4.729	43	812	0.279	ug/l #	45
31) Cyclohexane	5.375	56	5282	0.913	ug/l #	23
36) 1,1-Dichloropropene	5.372	75	20165	4.523	ug/l #	48
38) Carbon Tetrachloride	5.372	117	25439	5.441	ug/l #	16
51) 4-Methyl-2-Pentanone	7.800	43	1492	0.250	ug/l #	79
59) 2-Hexanone	8.693	43	2109	0.449	ug/l	82
76) 1,2,3-Trichloropropane	10.632	75	95755	15.753	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	95755	58.174	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	1209	2.044	ug/l	89
94) Hexachlorobutadiene	14.021	225	783	0.421	ug/l	95
95) Naphthalene	14.089	128	6274	2.167	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.336	180	1264	1.476	ug/l	95

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

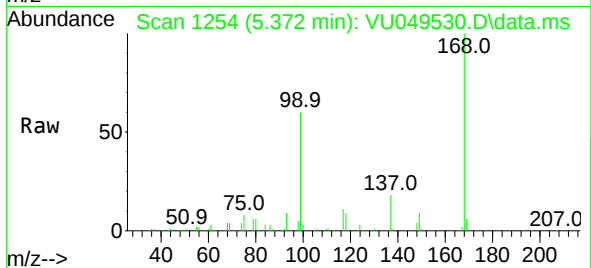
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Quant Title : SW846 8260
QLast Update : Tue Jun 28 10:35:43 2022
Response via : Initial Calibration



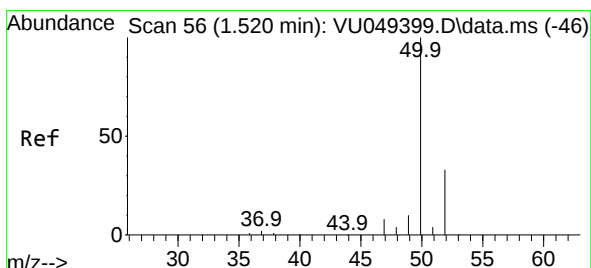
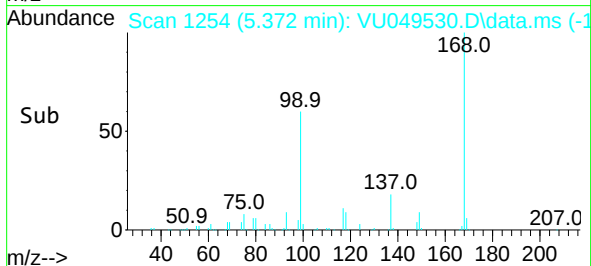
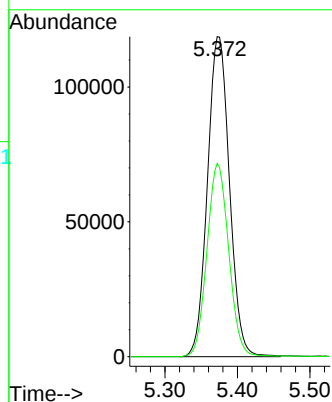


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Instrument :
MSVOA_U
ClientSampleId :

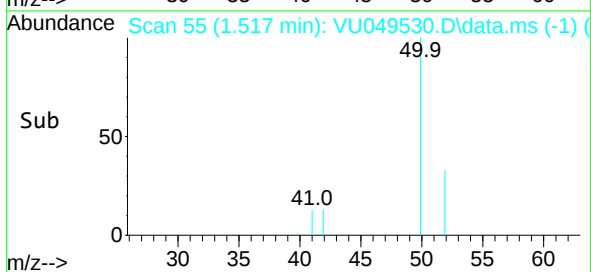
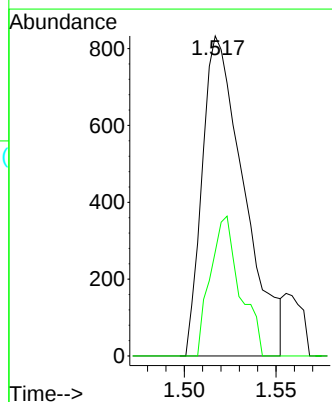
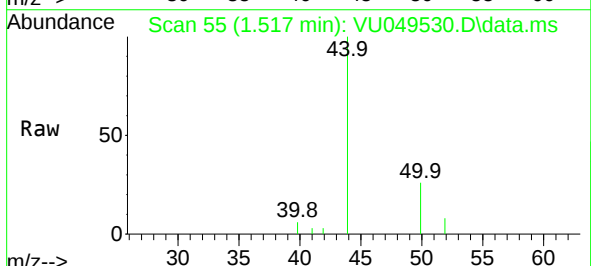


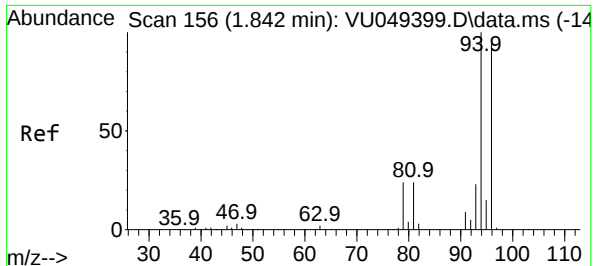
Tgt Ion:168 Resp: 250298
Ion Ratio Lower Upper
168 100
99 60.4 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Tgt Ion: 50 Resp: 1315
Ion Ratio Lower Upper
50 100
52 32.5 27.4 41.2

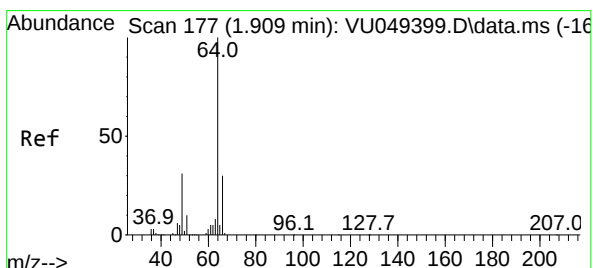
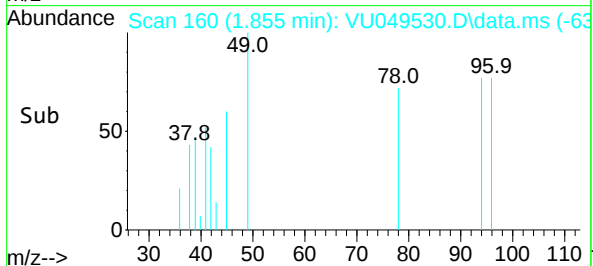
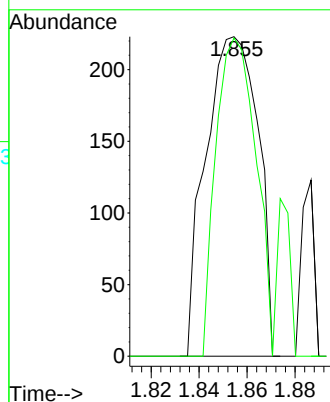
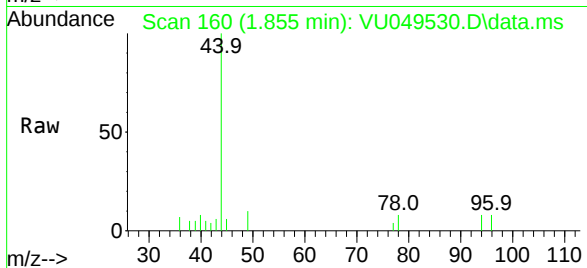




#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.855 min Scan# 110
Delta R.T. 0.013 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

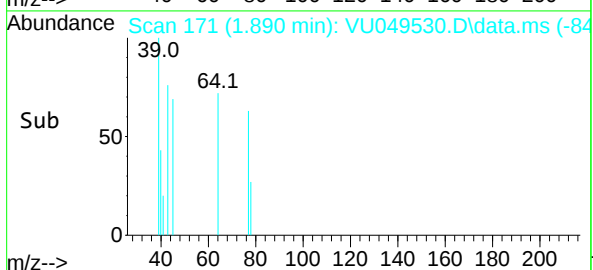
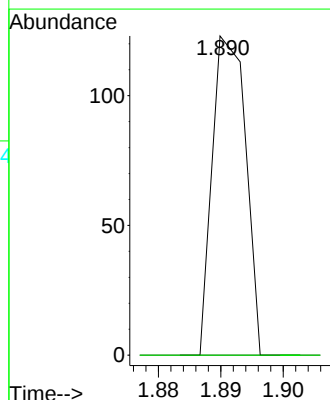
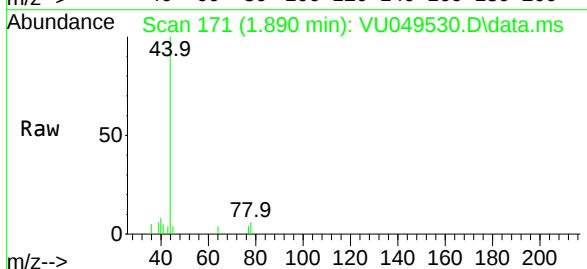
Instrument :
MSVOA_U
ClientSampleId :

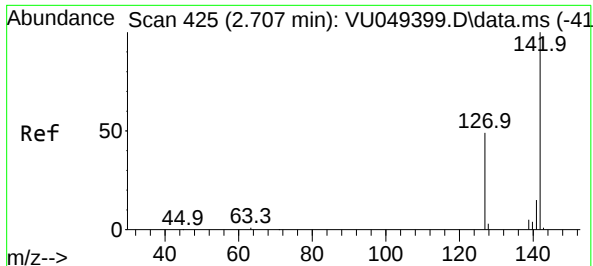
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 99.6 73.7 110.5



#6
Chloroethane
Concen: 1.939 ug/l
RT: 1.890 min Scan# 171
Delta R.T. -0.019 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

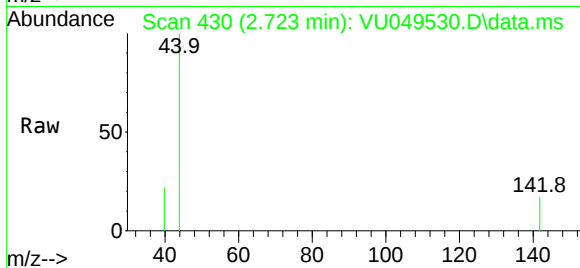
Tgt Ion: 64 Resp: 46
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



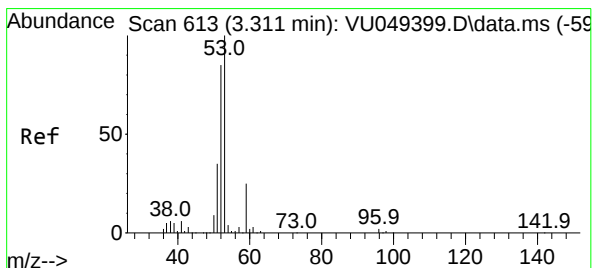
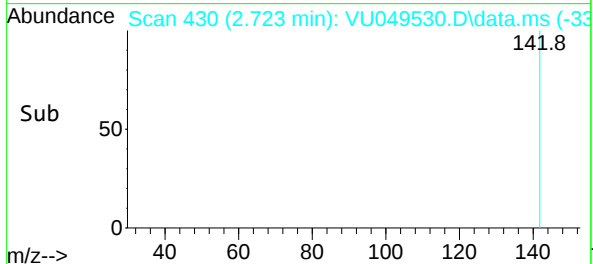
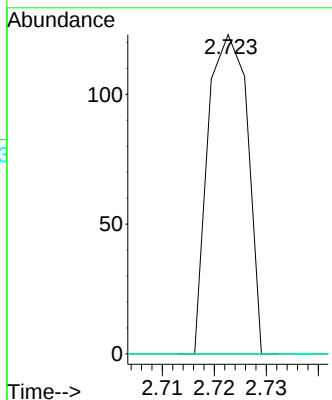


#10
Methyl Iodide
Concen: 7.533 ug/l
RT: 2.723 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Instrument :
MSVOA_U
ClientSampleId :

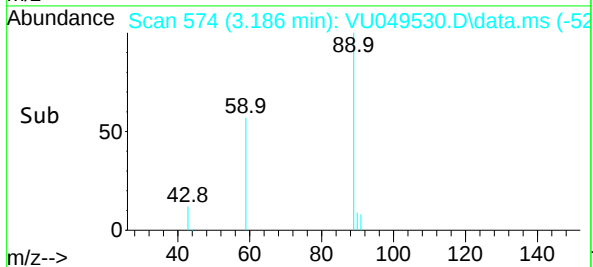
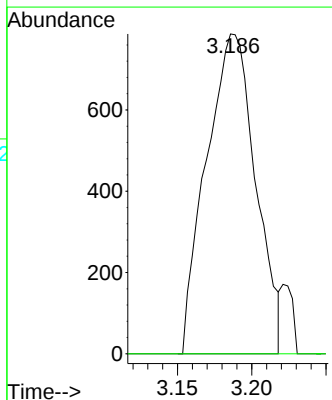
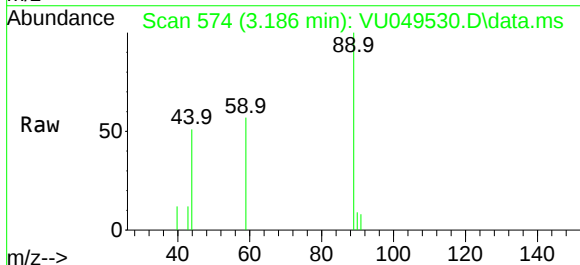


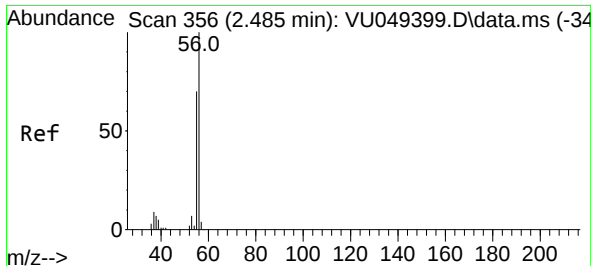
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.015 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

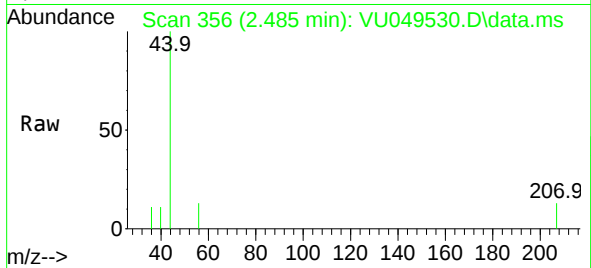
Tgt Ion: 59 Resp: 1818
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



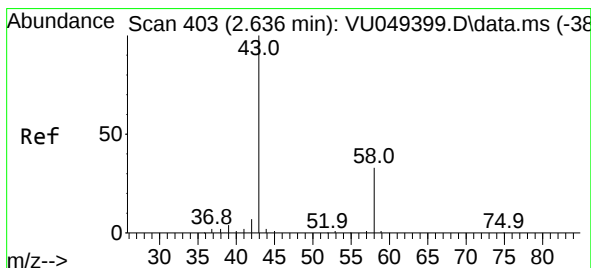
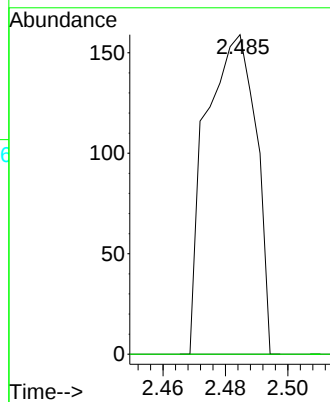
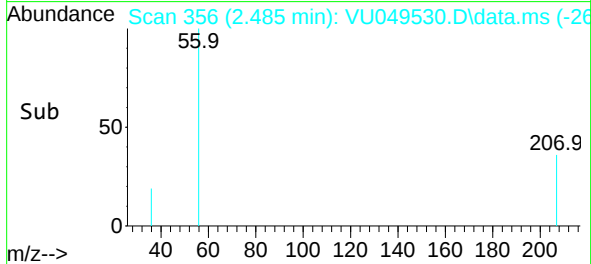


#13
Acrolein
Concen: 0.290 ug/l
RT: 2.485 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

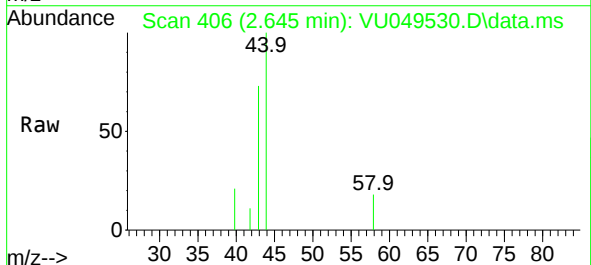
Instrument :
MSVOA_U
ClientSampleId :



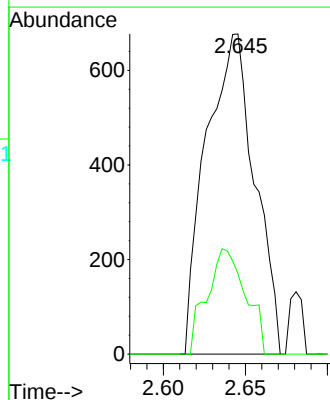
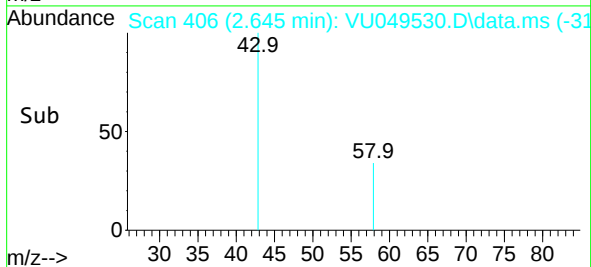
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

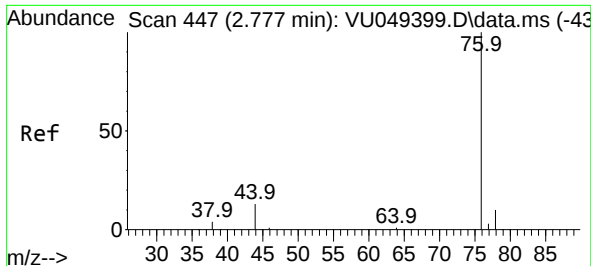


#16
Acetone
Concen: 0.716 ug/l
RT: 2.645 min Scan# 406
Delta R.T. 0.010 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49



Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
58 25.1 27.5 41.3#





#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.787 min Scan# 4

Delta R.T. 0.010 min

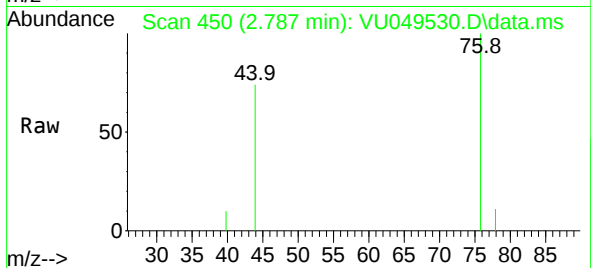
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Instrument :

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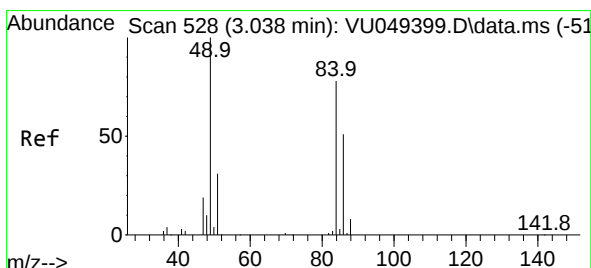
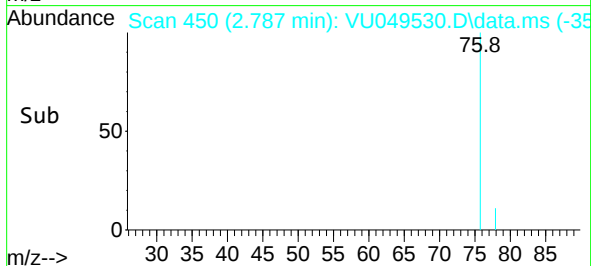
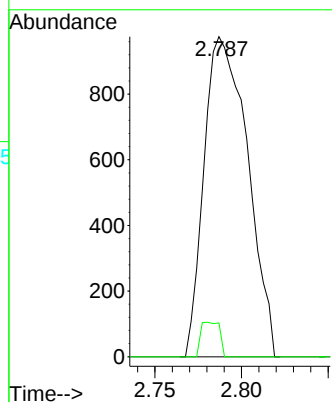


Tgt Ion: 76 Resp: 1701

Ion Ratio Lower Upper

76 100

78 10.6 7.3 10.9



#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 530

Delta R.T. 0.006 min

Lab File: VU049530.D

Acq: 29 Jun 2022 22:49

Tgt Ion: 84 Resp: 654

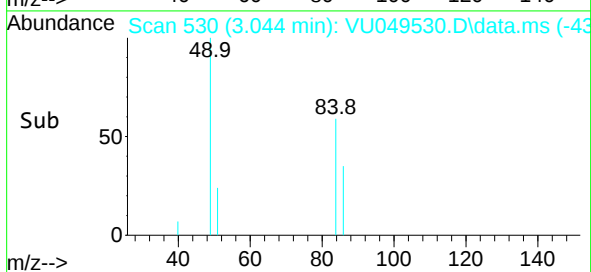
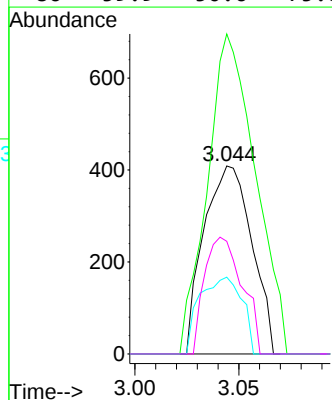
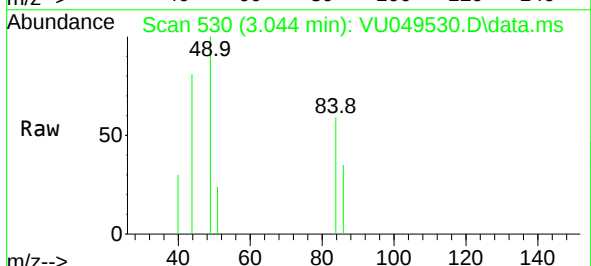
Ion Ratio Lower Upper

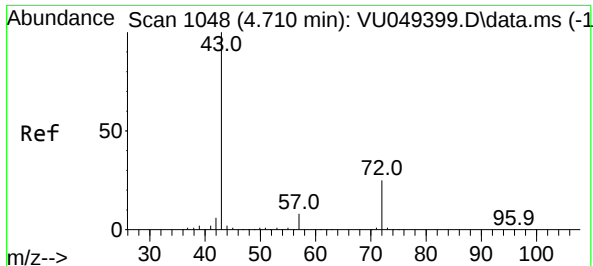
84 100

49 170.2 86.6 129.8#

51 40.8 26.6 40.0#

86 59.9 50.6 75.8





#25

2-Butanone

Concen: 0.279 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.019 min

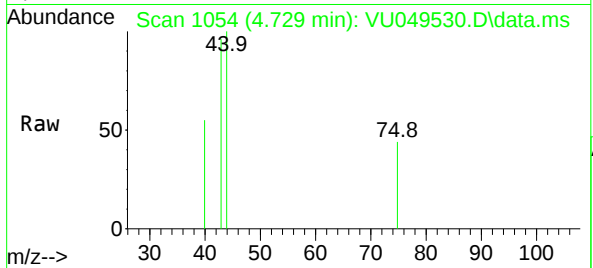
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Acq: 29 Jun 2022 22:49

Instrument :

MSVOA_U

ClientSampleId :

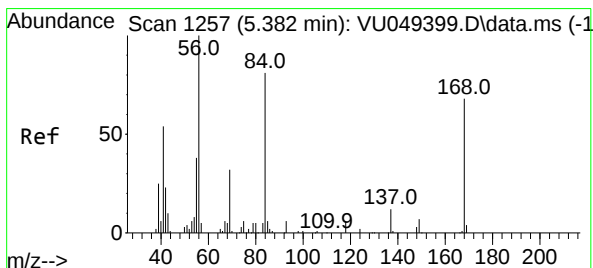
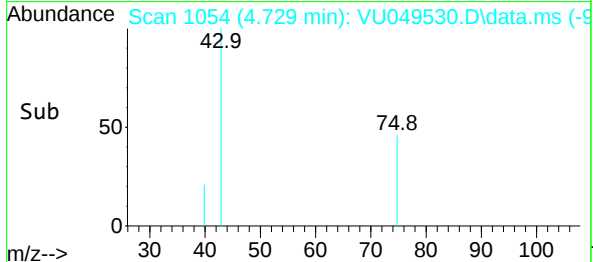
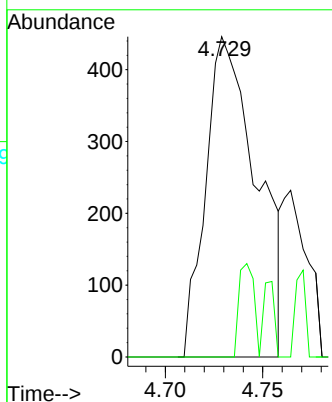


Tgt Ion: 43 Resp: 812

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 0.913 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.006 min

Lab File: VU049530.D

Acq: 29 Jun 2022 22:49

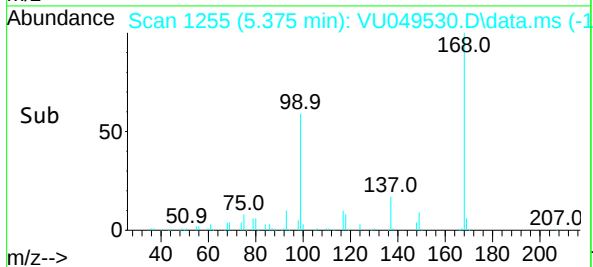
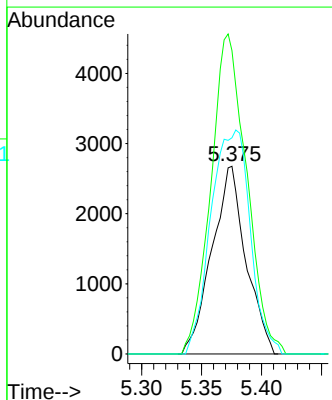
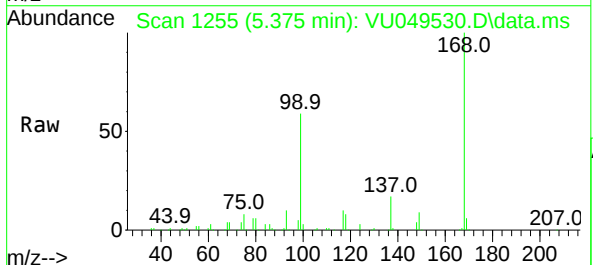
Tgt Ion: 56 Resp: 5282

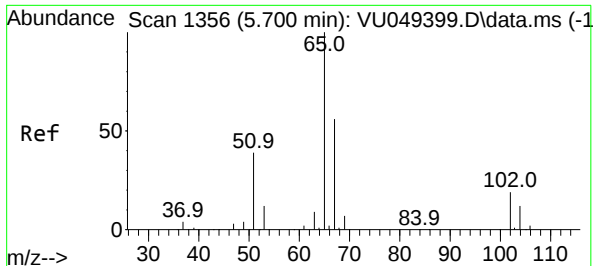
Ion Ratio Lower Upper

56 100

69 161.7 27.8 41.8#

84 115.2 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.367 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049530.D

Acq: 29 Jun 2022 22:49

Instrument :

MSVOA_U

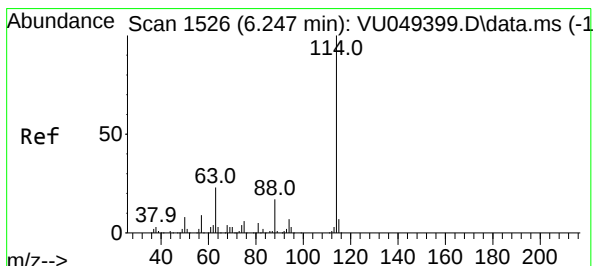
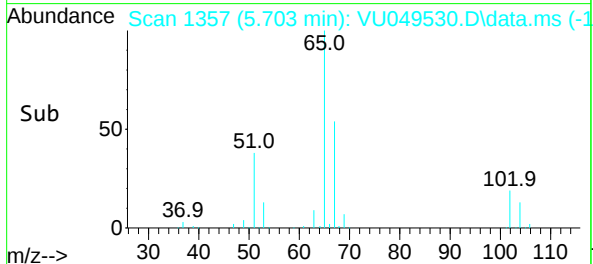
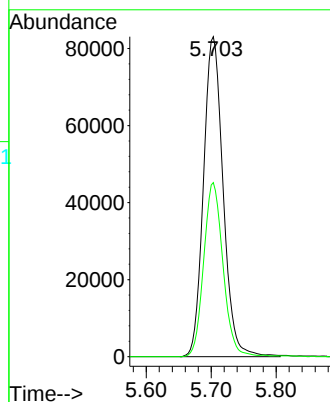
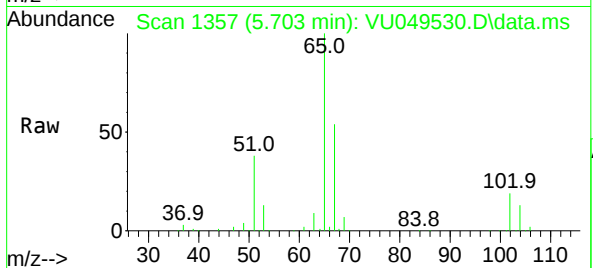
ClientSampleId :

Tgt Ion: 65 Resp: 174878

Ion Ratio Lower Upper

65 100

67 53.3 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: VU049530.D

Acq: 29 Jun 2022 22:49

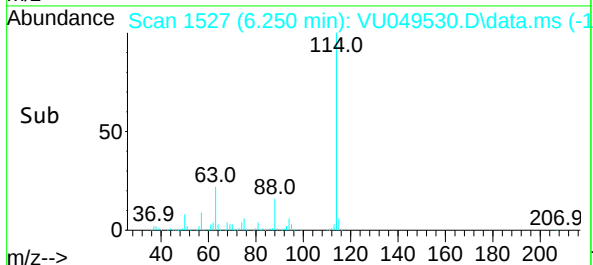
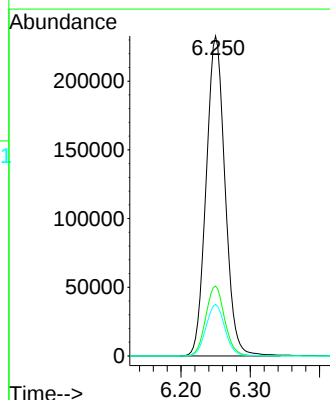
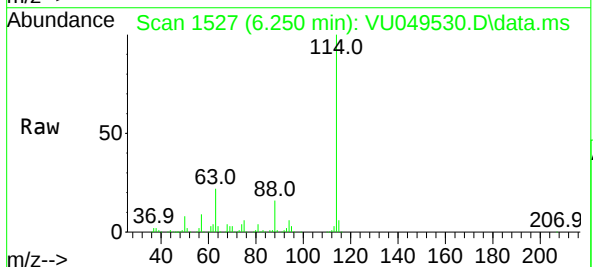
Tgt Ion: 114 Resp: 439498

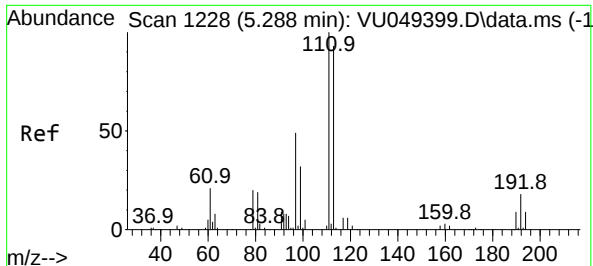
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

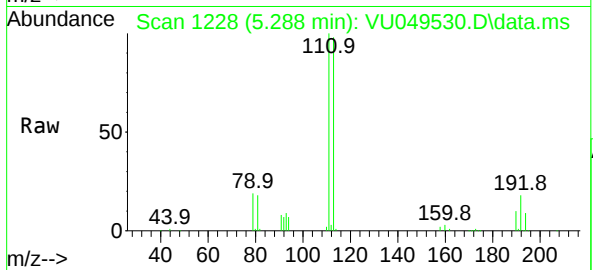
88 16.1 0.0 29.2



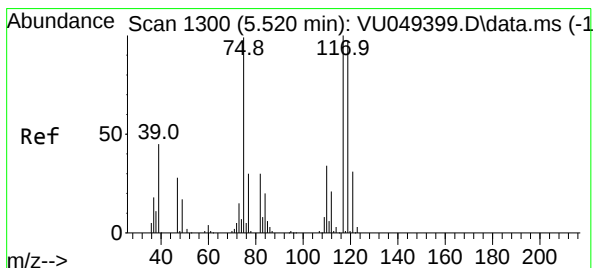
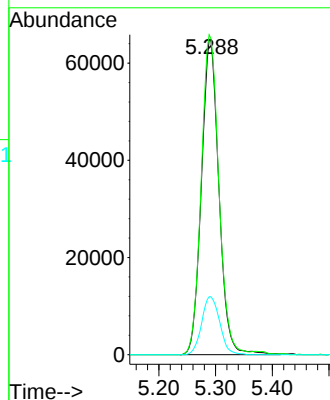
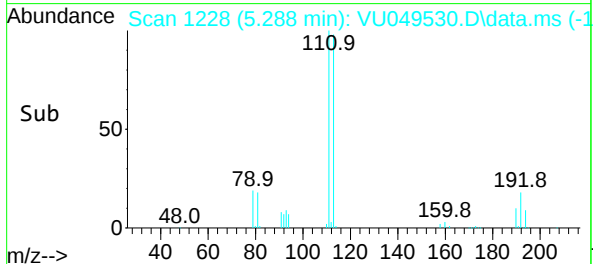


#35
Dibromofluoromethane
Concen: 45.245 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Instrument :
MSVOA_U
ClientSampleId :

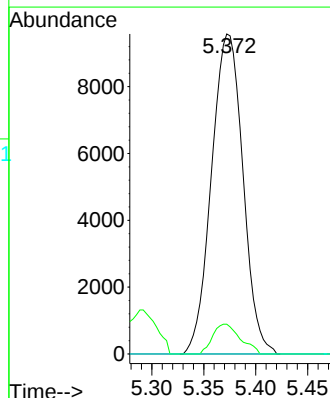
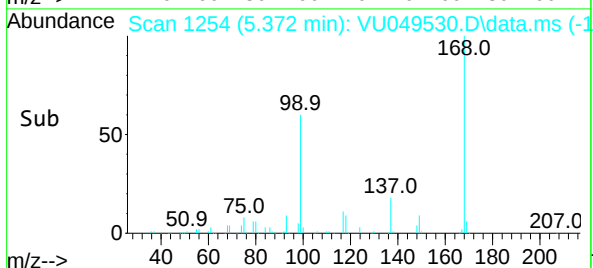
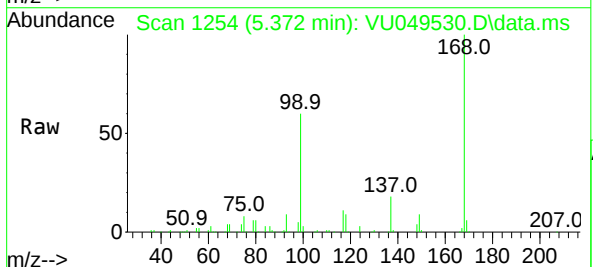


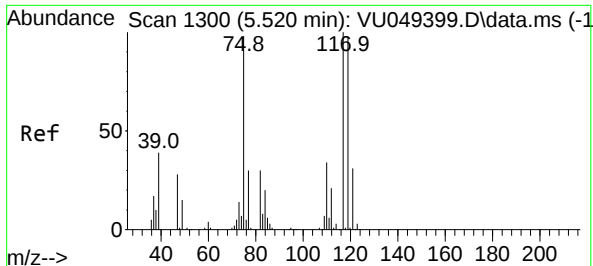
Tgt Ion:113 Resp: 139122
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 19.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.523 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

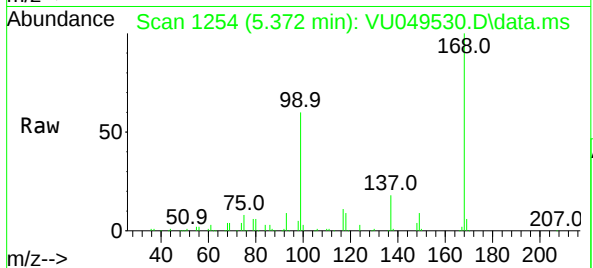
Tgt Ion: 75 Resp: 20165
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 25.1 37.7#



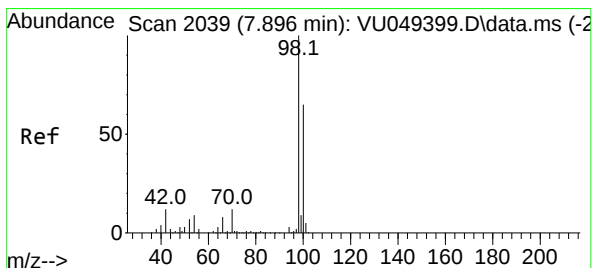
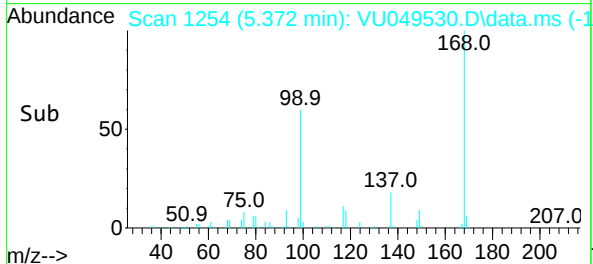
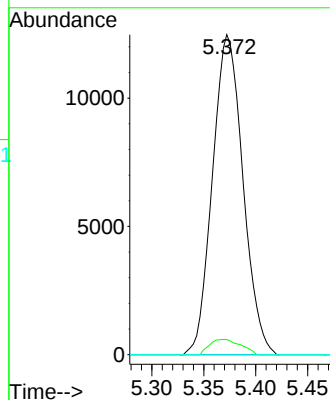


#38
Carbon Tetrachloride
Concen: 5.441 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Instrument :
MSVOA_U
ClientSampleId :

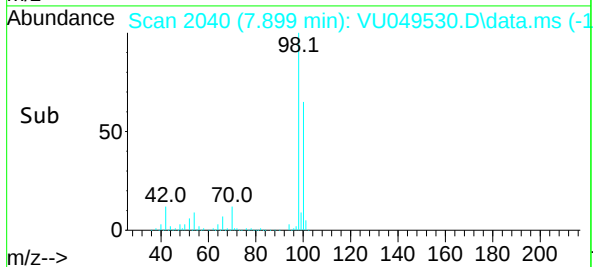
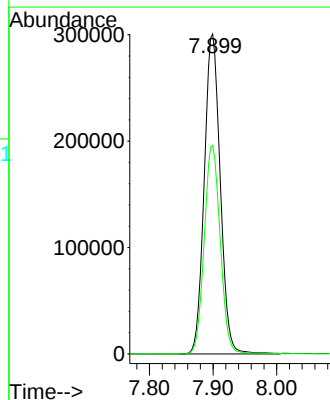
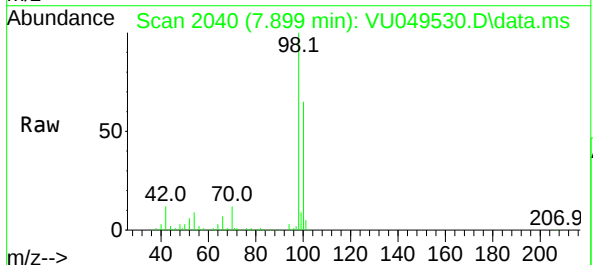


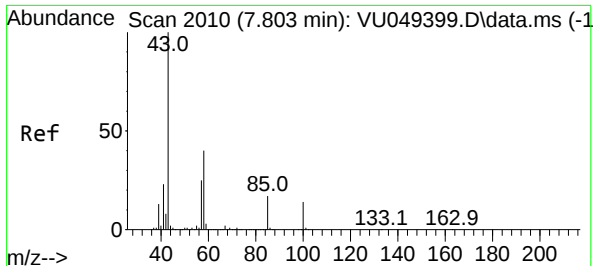
Tgt Ion:117 Resp: 25439
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.938 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Tgt Ion: 98 Resp: 525740
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.250 ug/l

RT: 7.800 min Scan# 2010

Delta R.T. -0.003 min

Lab File: VU049530.D

Acq: 29 Jun 2022 22:49

Instrument :

MSVOA_U

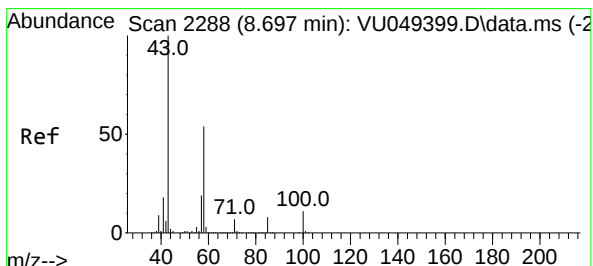
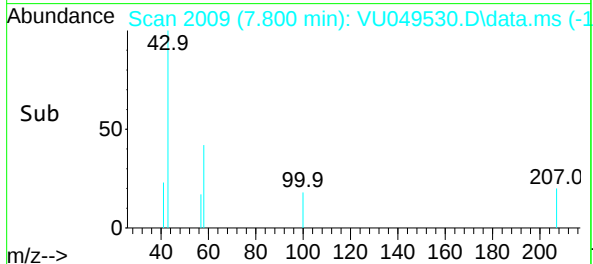
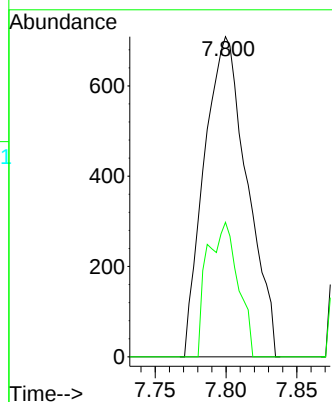
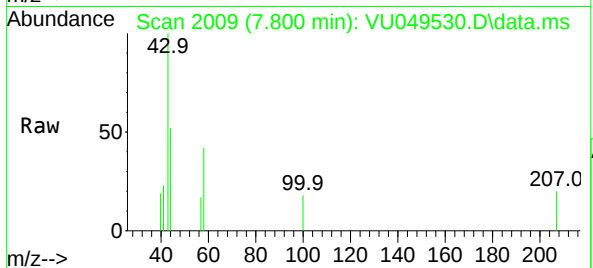
ClientSampleId :

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

58 30.0 34.7 52.1#



#59

2-Hexanone

Concen: 0.449 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. -0.003 min

Lab File: VU049530.D

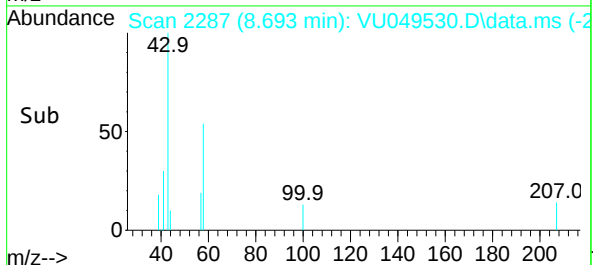
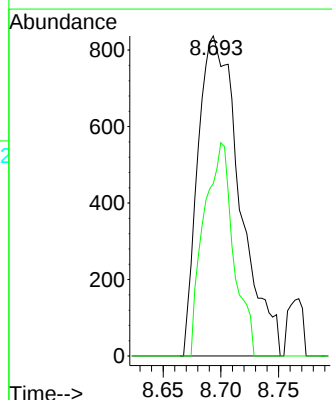
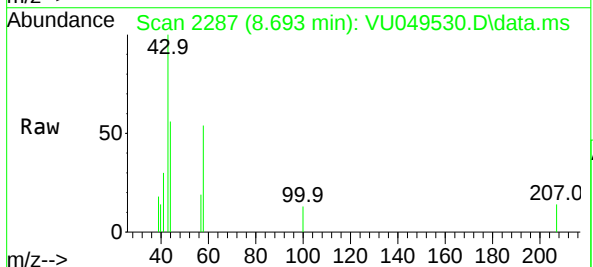
Acq: 29 Jun 2022 22:49

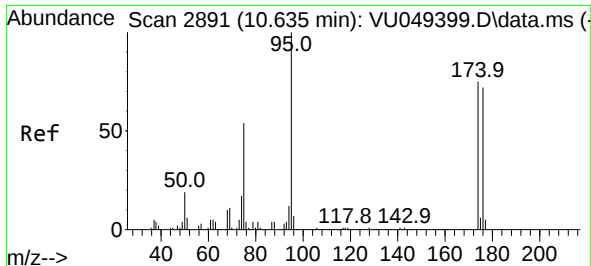
Tgt Ion: 43 Resp: 2109

Ion Ratio Lower Upper

43 100

58 47.0 30.3 90.8

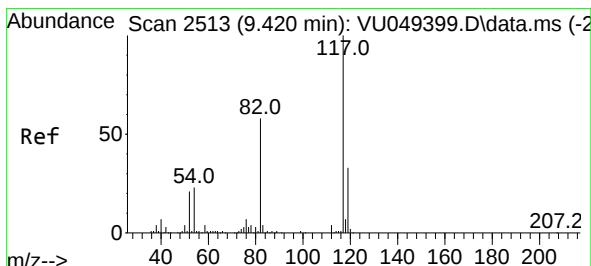
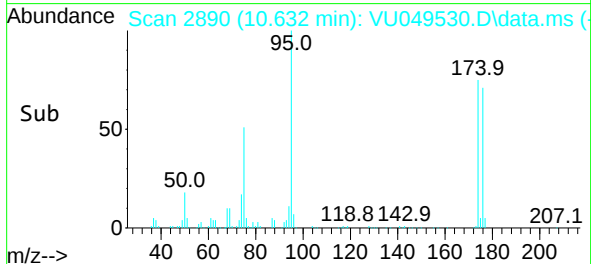
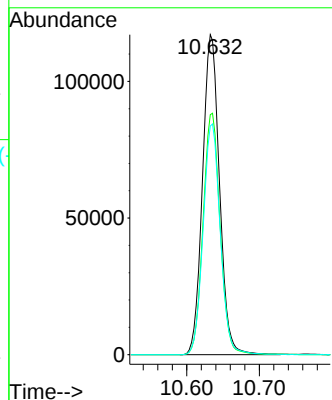
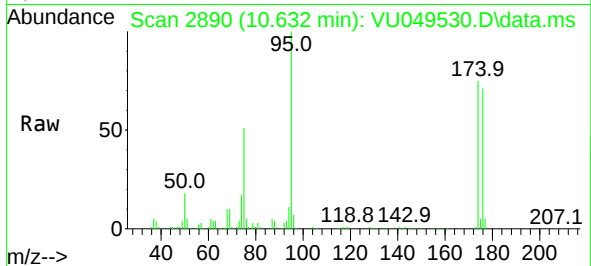




#62
4-Bromofluorobenzene
Concen: 45.421 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

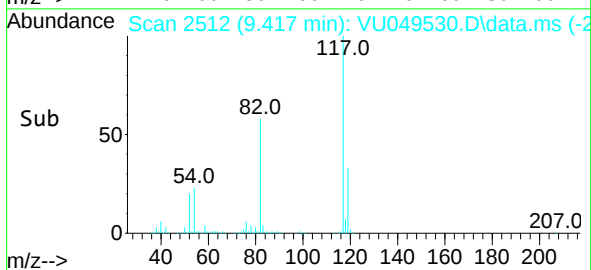
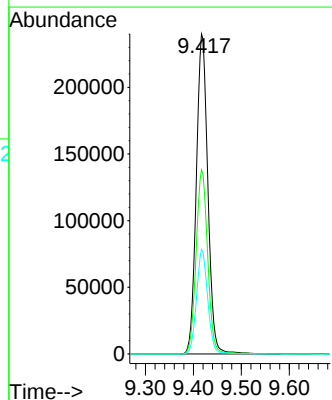
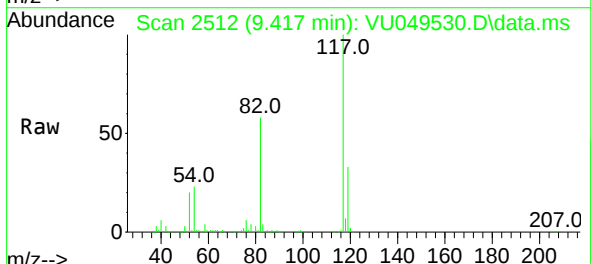
Instrument :
MSVOA_U
ClientSampleId :

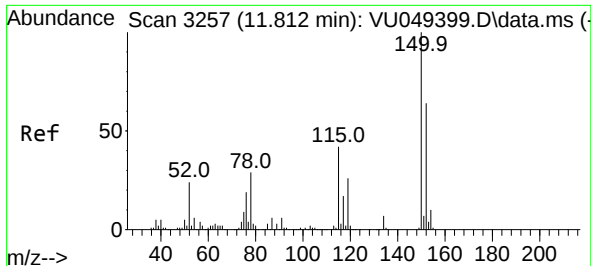
Tgt Ion: 95 Resp: 190822
Ion Ratio Lower Upper
95 100
174 75.7 0.0 182.0
176 72.6 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Tgt Ion: 117 Resp: 400511
Ion Ratio Lower Upper
117 100
82 57.5 41.7 62.5
119 32.6 25.7 38.5

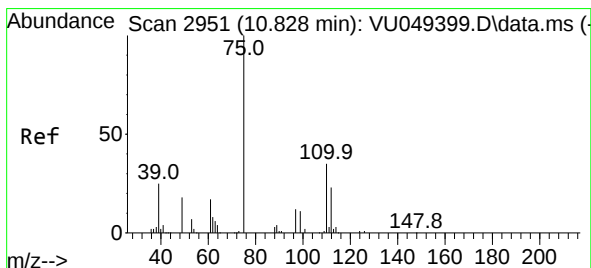
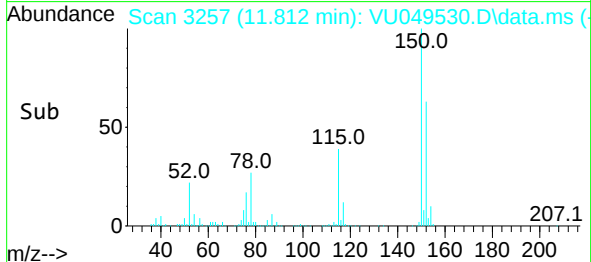
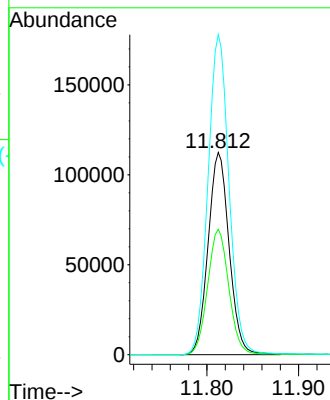
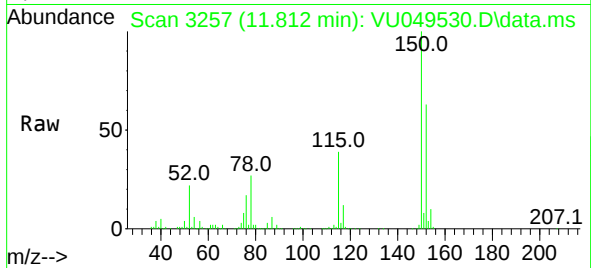




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

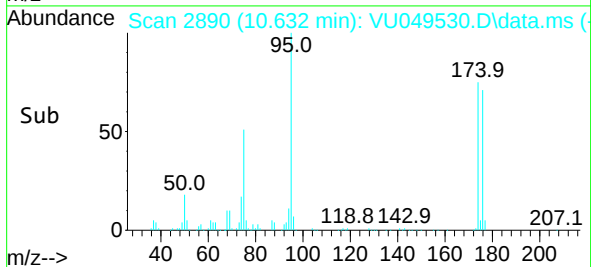
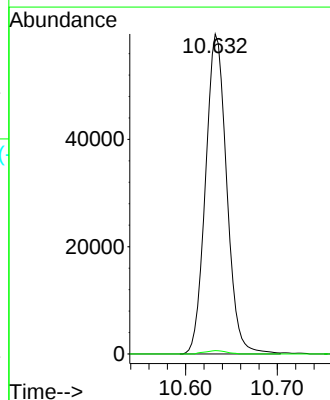
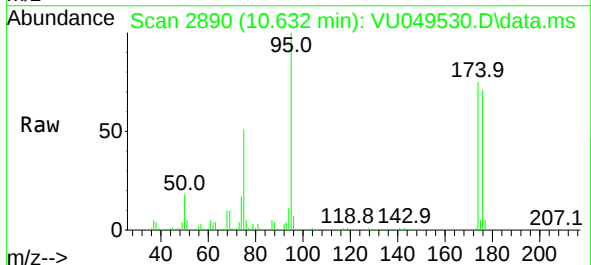
Instrument :
MSVOA_U
ClientSampleId :

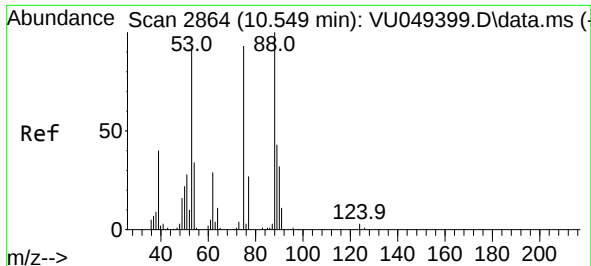
Tgt Ion:152 Resp: 179313
Ion Ratio Lower Upper
152 100
115 62.8 37.0 110.9
150 157.8 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.753 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

Tgt Ion: 75 Resp: 95755
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#

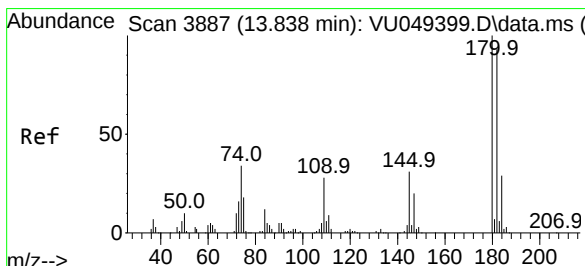
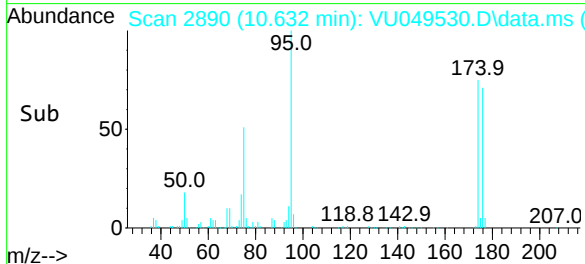
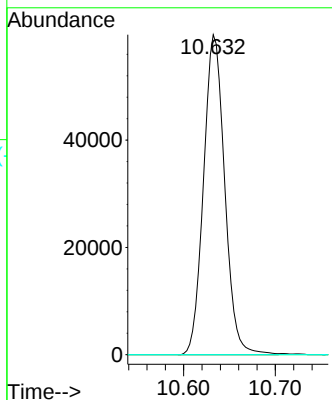
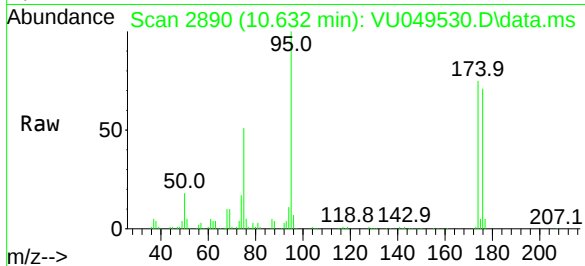




#81
trans-1,4-Dichloro-2-butene
Concen: 58.174 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

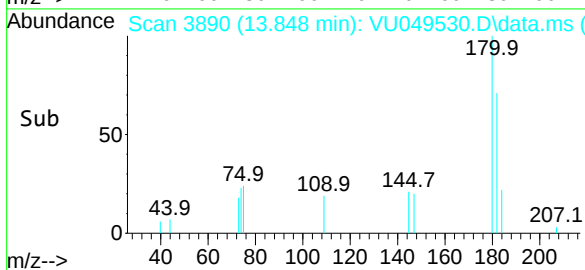
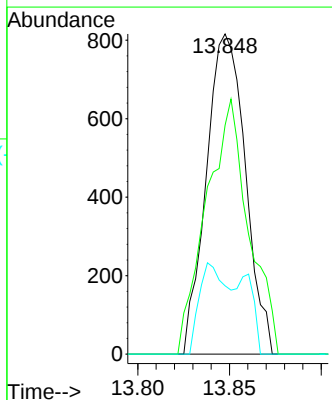
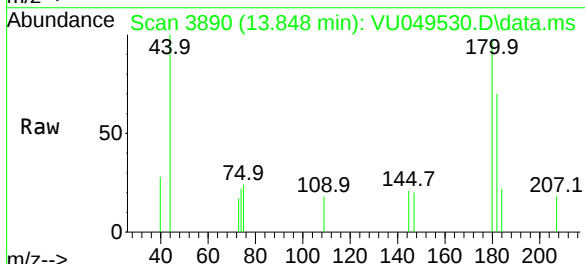
Instrument :
MSVOA_U
ClientSampleId :

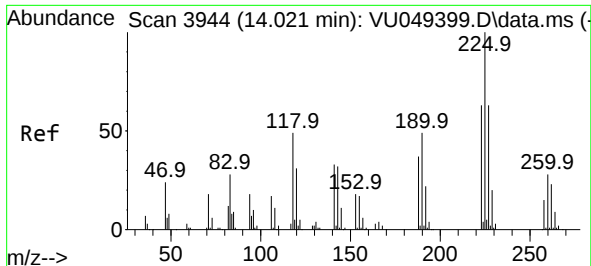
Tgt Ion: 75 Resp: 95755
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.044 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

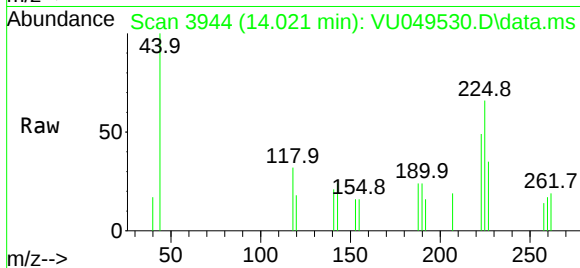
Tgt Ion:180 Resp: 1209
Ion Ratio Lower Upper
180 100
182 86.4 47.9 143.6
145 20.1 14.0 41.9



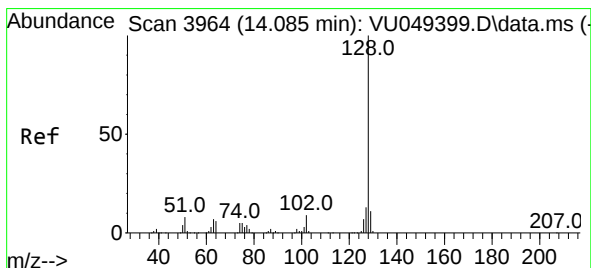
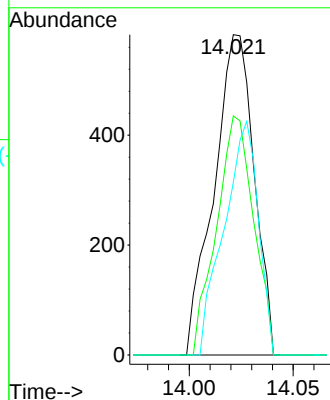
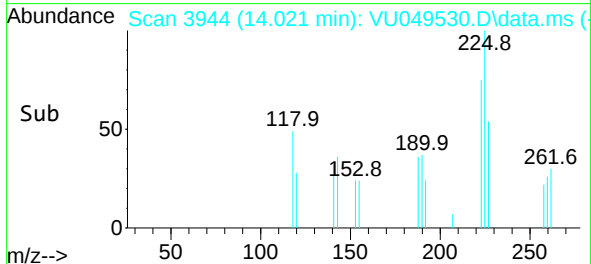


#94
Hexachlorobutadiene
Concen: 0.421 ug/l
RT: 14.021 min Scan# 3944
Delta R.T. 0.000 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49

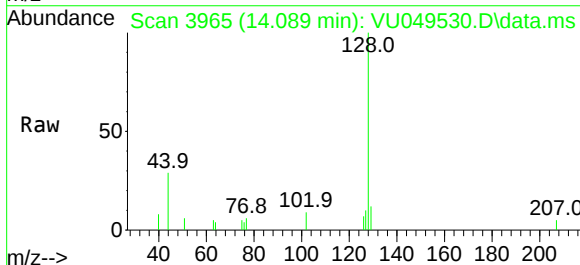
Instrument :
MSVOA_U
ClientSampleId :



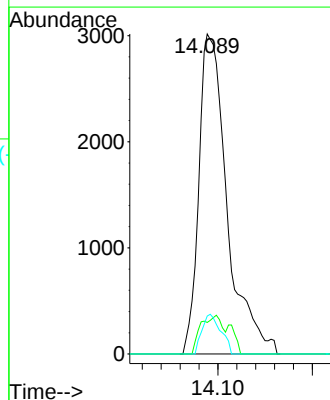
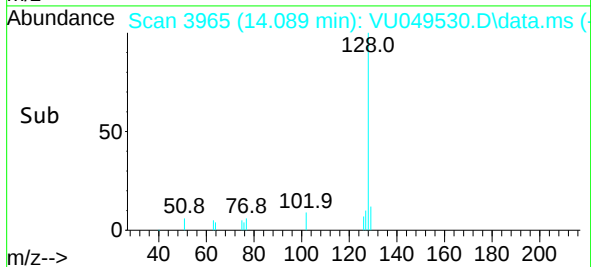
Tgt Ion:225 Resp: 783
Ion Ratio Lower Upper
225 100
223 69.0 31.3 93.9
227 62.2 32.0 96.2

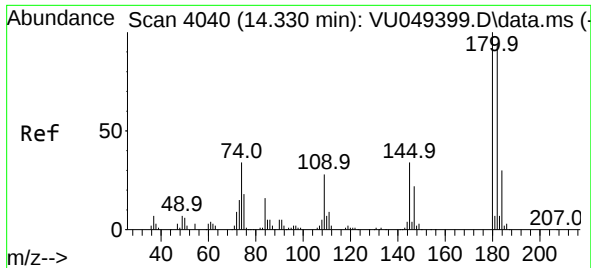


#95
Naphthalene
Concen: 2.167 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU049530.D
Acq: 29 Jun 2022 22:49



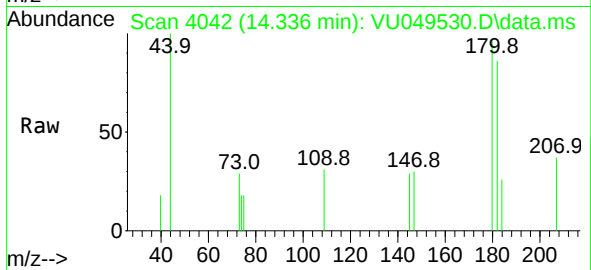
Tgt Ion:128 Resp: 6274
Ion Ratio Lower Upper
128 100
127 9.4 10.3 15.5#
129 8.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.476 ug/l
 RT: 14.336 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VU049530.D
 Acq: 29 Jun 2022 22:49

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	48.4	145.0
145	23.2	14.8	44.4

