

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049535.D
 Acq On : 30 Jun 2022 01:10
 Operator : SY/MD
 Sample : N3507-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 04:13:28 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)

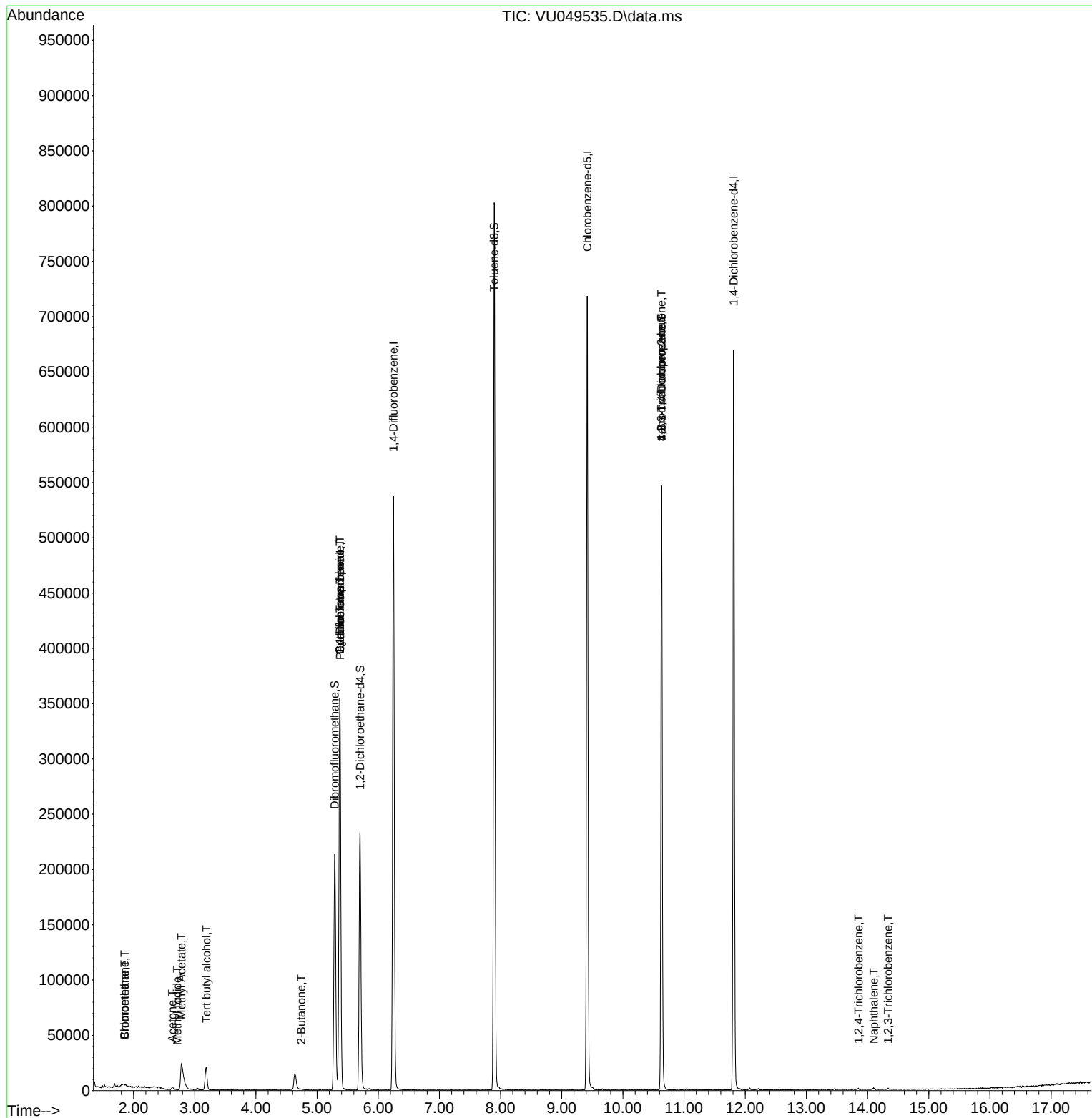
Internal Standards						
1) Pentafluorobenzene	5.375	168	248265	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	437452	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	392808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	177529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	174690	45.689	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.380%
35) Dibromofluoromethane	5.288	113	140334	45.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.700%
50) Toluene-d8	7.896	98	524410	48.040	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.080%
62) 4-Bromofluorobenzene	10.632	95	182825	43.721	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1545	Below Cal		95
5) Bromomethane	1.854	94	290	0.232	ug/l #	52
6) Chloroethane	1.854	64	20	1.926	ug/l #	44
10) Methyl Iodide	2.716	142	90	7.541	ug/l #	43
11) Tert butyl alcohol	3.189	59	13497	15.082	ug/l #	37
16) Acetone	2.633	43	2793	1.449	ug/l #	87
18) Methyl Acetate	2.784	43	11356	2.176	ug/l #	47
20) Methylene Chloride	3.038	84	712	Below Cal	#	86
25) 2-Butanone	4.742	43	614	0.212	ug/l #	45
31) Cyclohexane	5.372	56	5069	0.883	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20653	4.654	ug/l #	48
38) Carbon Tetrachloride	5.372	117	25033	5.379	ug/l #	15
76) 1,2,3-Trichloropropane	10.632	75	93325	15.507	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	93325	57.267	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	433	1.859	ug/l #	82
95) Naphthalene	14.102	128	2232	1.891	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.336	180	437	1.281	ug/l #	53

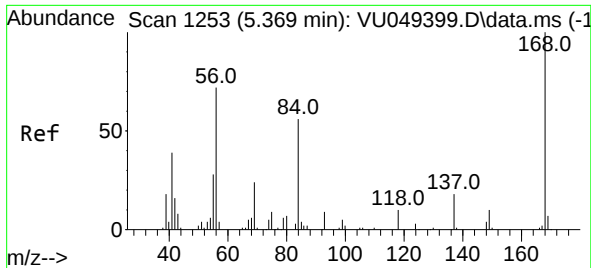
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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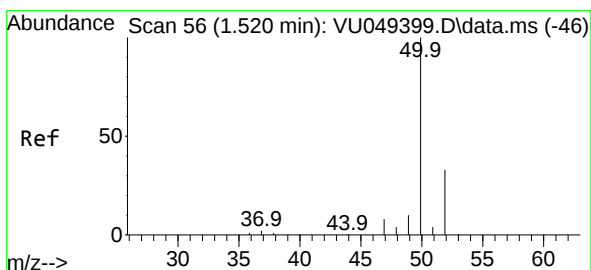
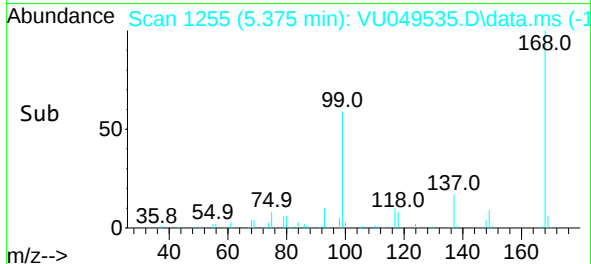
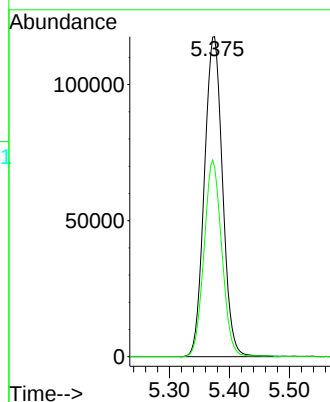
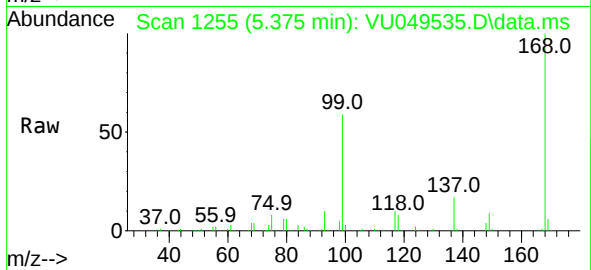




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

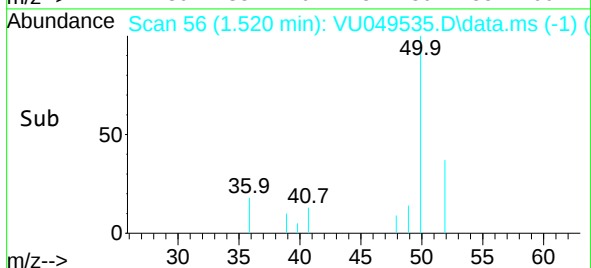
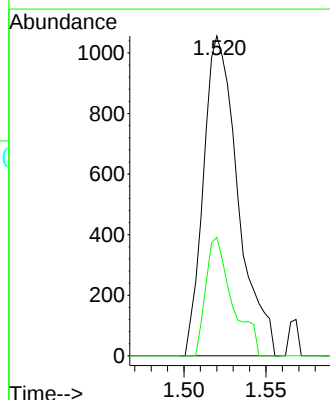
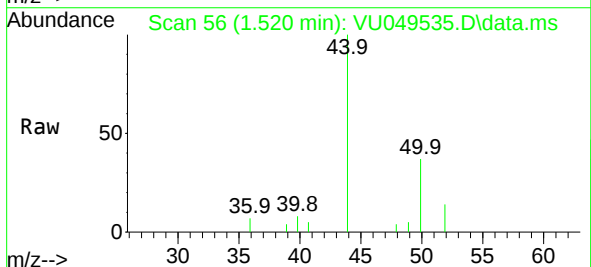
Instrument :
MSVOA_U
ClientSampleId :

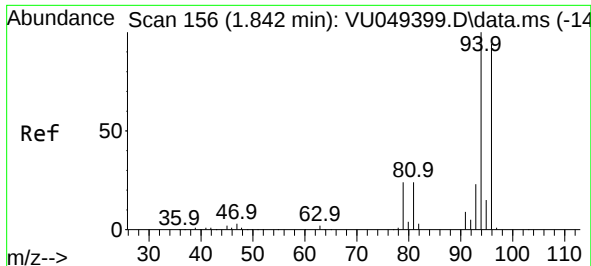
Tgt Ion:168 Resp: 248265
Ion Ratio Lower Upper
168 100
99 59.3 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Tgt Ion: 50 Resp: 1545
Ion Ratio Lower Upper
50 100
52 37.0 27.4 41.2

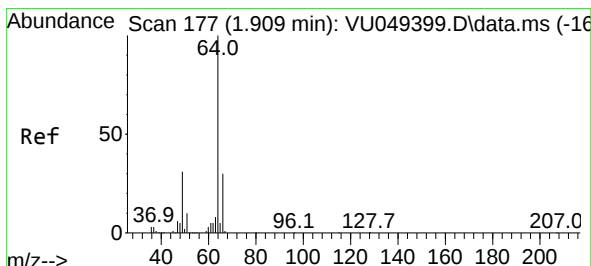
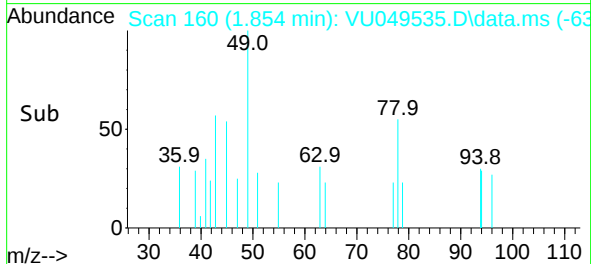
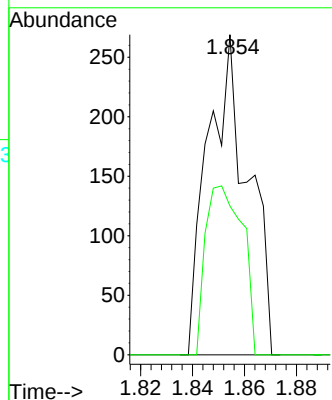
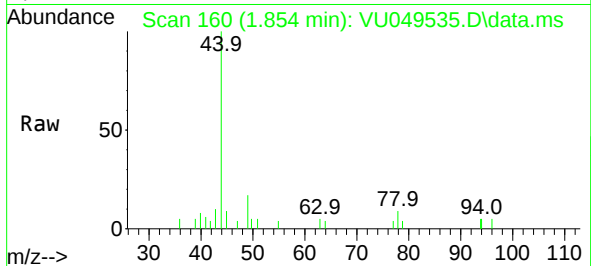




#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.854 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

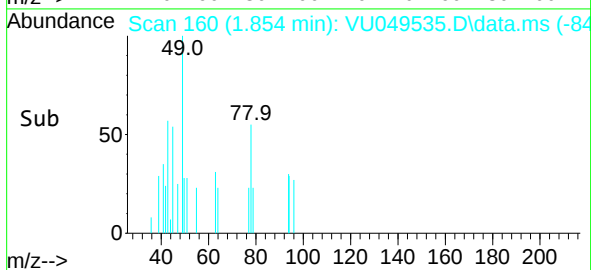
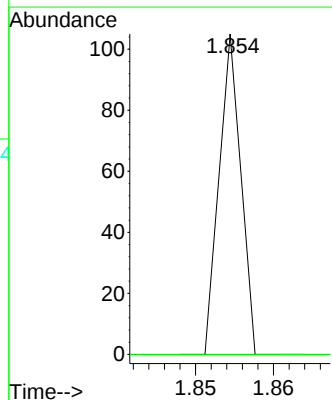
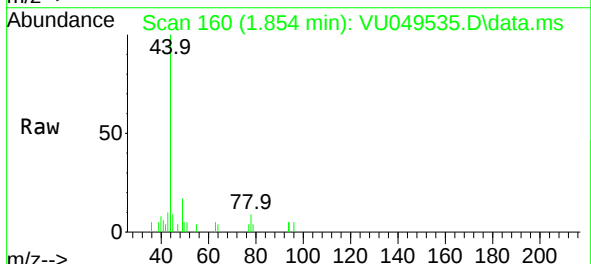
Instrument :
MSVOA_U
ClientSampleId :

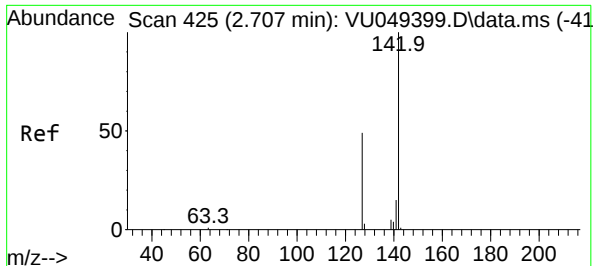
Tgt Ion: 94 Resp: 290
Ion Ratio Lower Upper
94 100
96 46.5 73.7 110.5#



#6
Chloroethane
Concen: 1.926 ug/l
RT: 1.854 min Scan# 160
Delta R.T. -0.055 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#10

Methyl Iodide

Concen: 7.541 ug/l

RT: 2.716 min Scan# 41

Delta R.T. 0.010 min

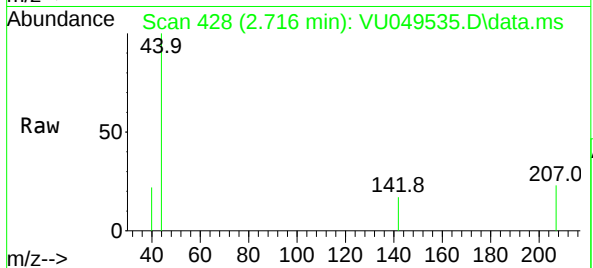
Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

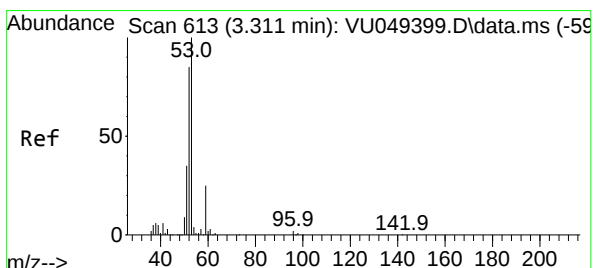
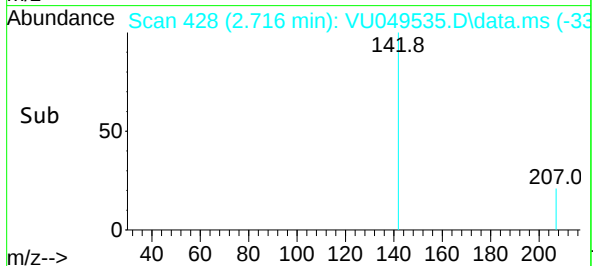
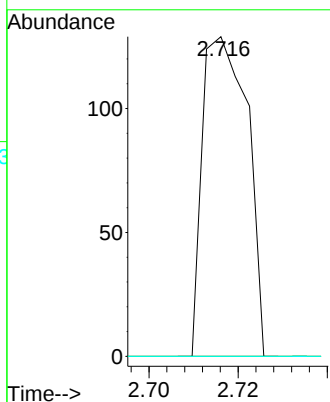
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	142	Resp:	90
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: 15.082 ug/l

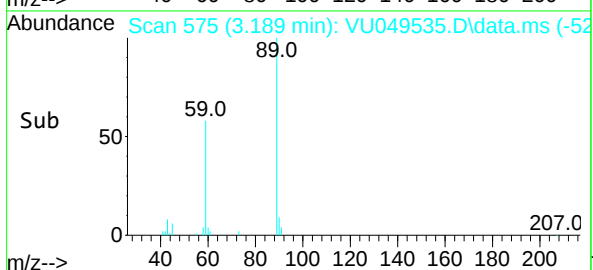
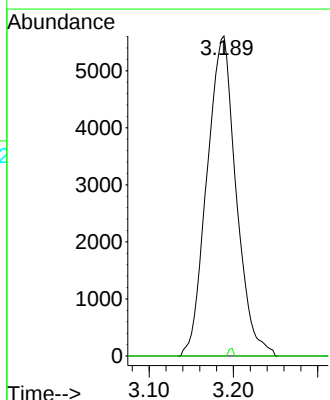
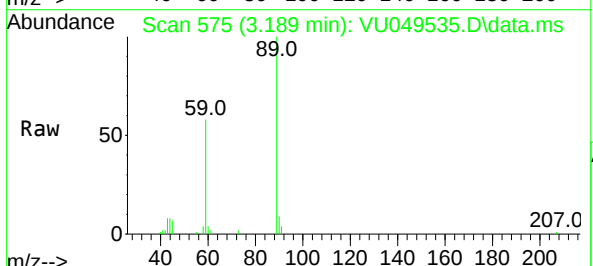
RT: 3.189 min Scan# 575

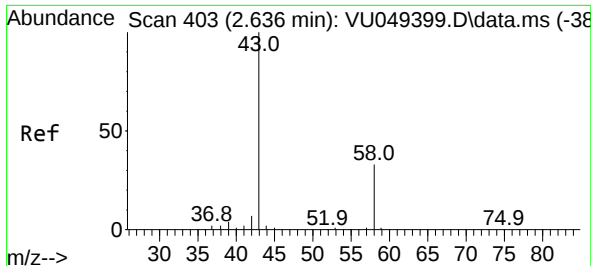
Delta R.T. -0.122 min

Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

Tgt Ion:	59	Resp:	13497
Ion	Ratio	Lower	Upper
59	100		
57	0.3	30.6	45.8#





#16

Acetone

Concen: 1.449 ug/l

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

Instrument :

MSVOA_U

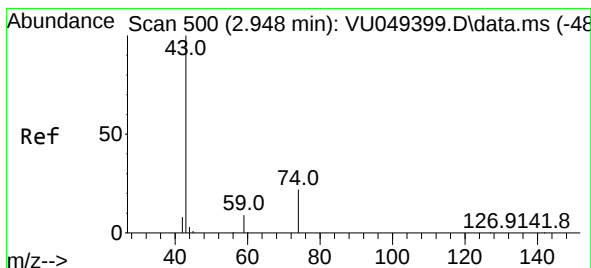
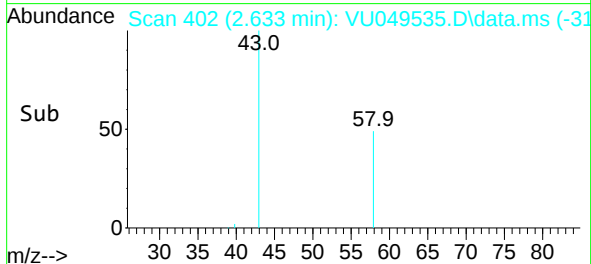
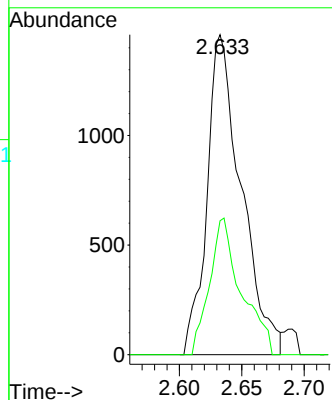
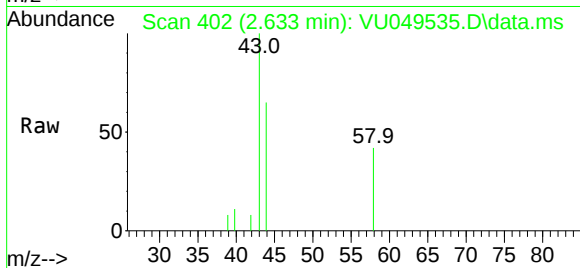
ClientSampleId :

Tgt Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

58 41.8 27.5 41.3#



#18

Methyl Acetate

Concen: 2.176 ug/l

RT: 2.784 min Scan# 449

Delta R.T. -0.164 min

Lab File: VU049535.D

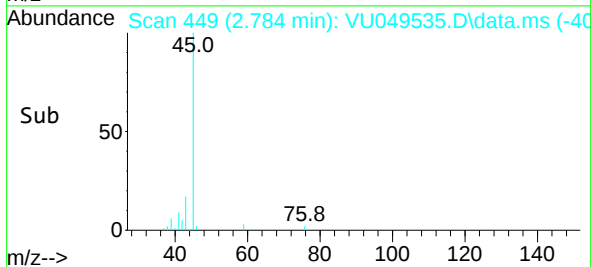
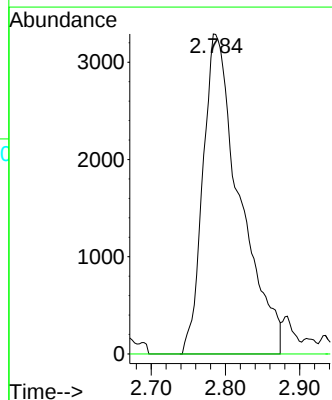
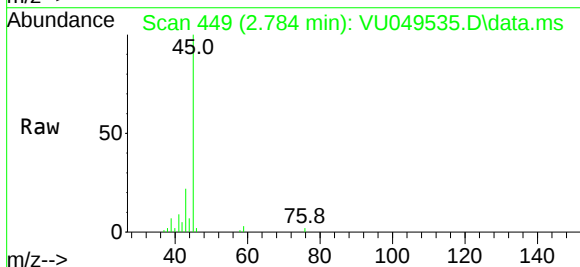
Acq: 30 Jun 2022 01:10

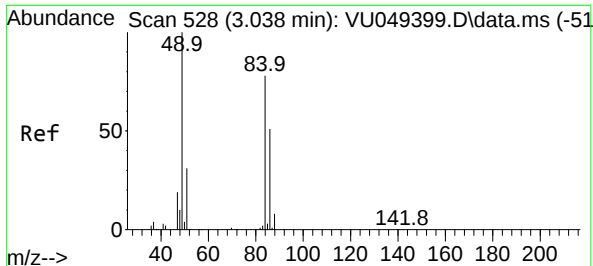
Tgt Ion: 43 Resp: 11356

Ion Ratio Lower Upper

43 100

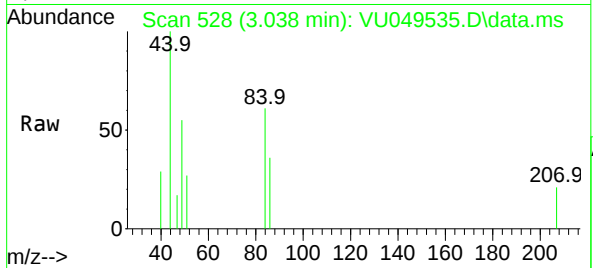
74 0.0 22.5 33.7#



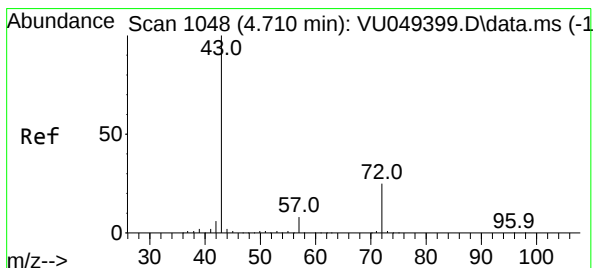
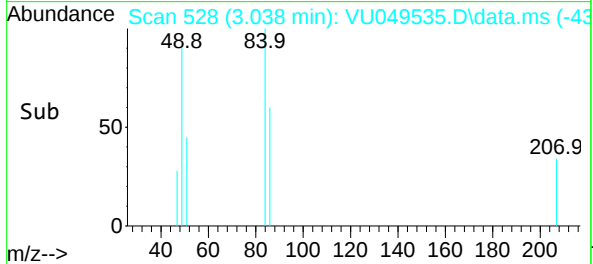
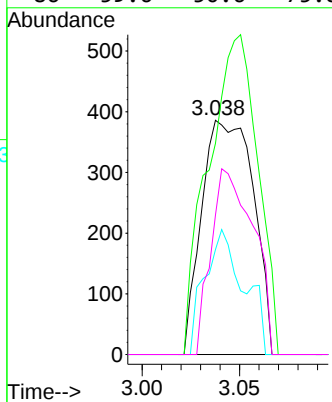


#20
Methylene Chloride
Concen: Below Cal
RT: 3.038 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Instrument :
MSVOA_U
ClientSampleId :

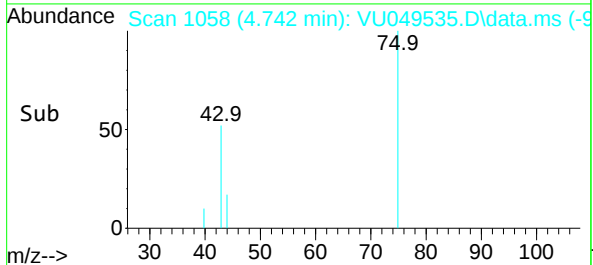
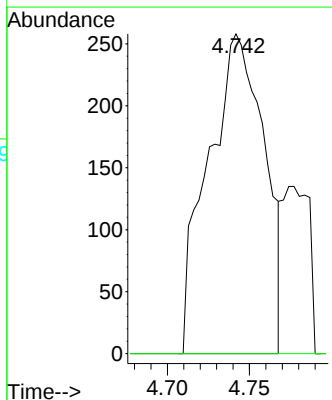
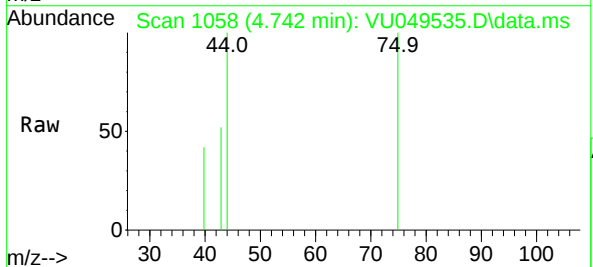


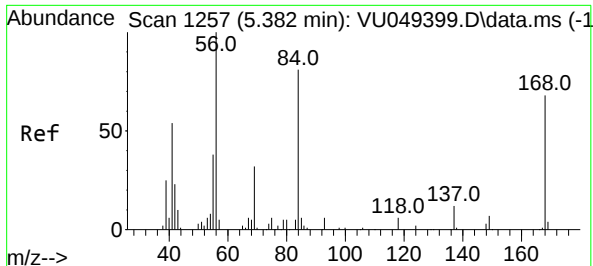
Tgt Ion: 84 Resp: 712
Ion Ratio Lower Upper
84 100
49 90.2 86.6 129.8
51 44.8 26.6 40.0#
86 59.6 50.6 75.8



#25
2-Butanone
Concen: 0.212 ug/l
RT: 4.742 min Scan# 1058
Delta R.T. 0.032 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

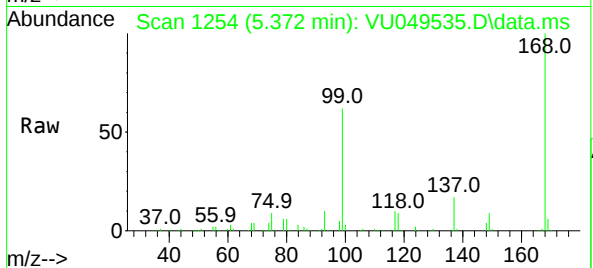
Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



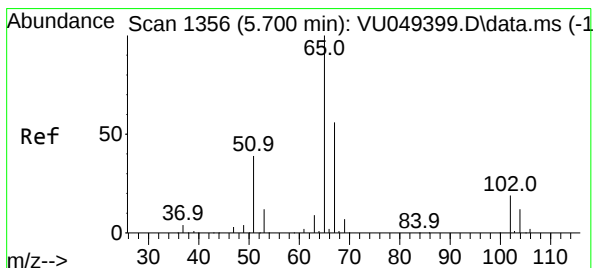
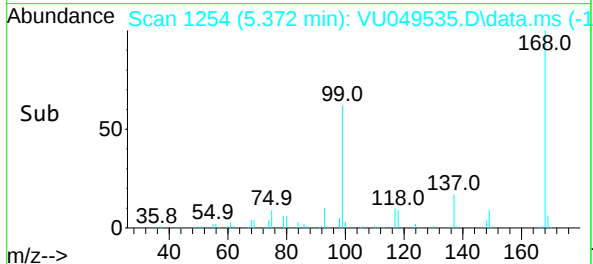
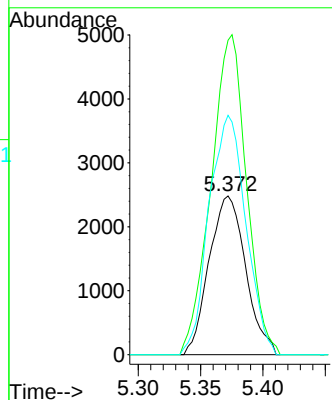


#31
Cyclohexane
Concen: 0.883 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Instrument :
MSVOA_U
ClientSampleId :

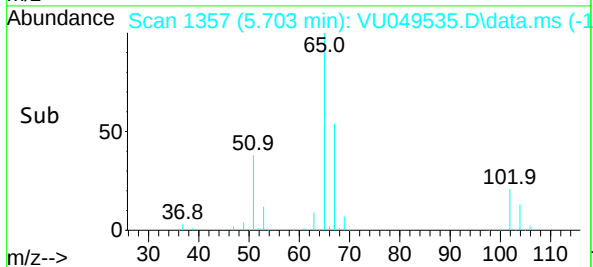
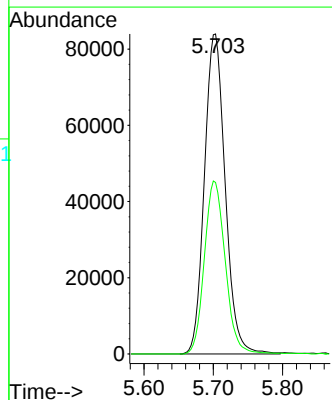
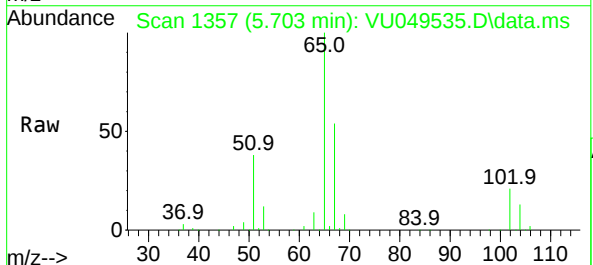


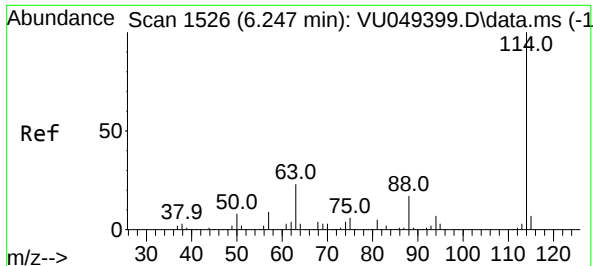
Tgt Ion: 56 Resp: 5069
Ion Ratio Lower Upper
56 100
69 198.0 27.8 41.8#
84 150.8 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.689 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Tgt Ion: 65 Resp: 174690
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

Instrument :

MSVOA_U

ClientSampleId :

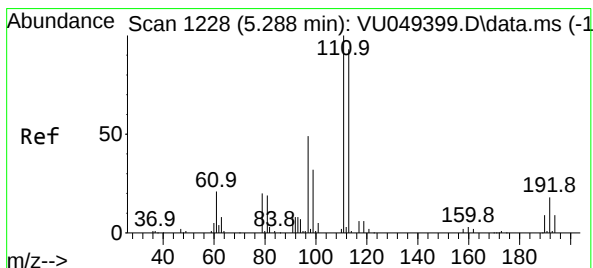
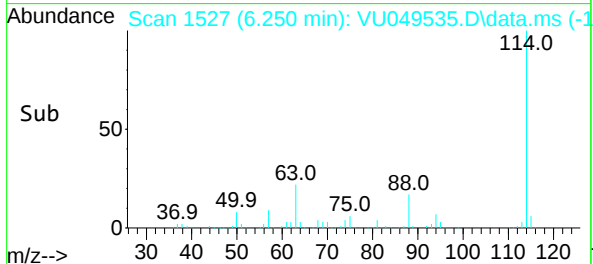
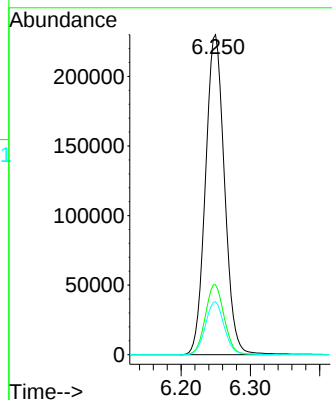
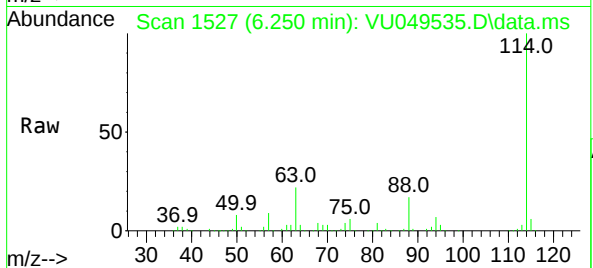
Tgt Ion:114 Resp: 437452

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.853 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

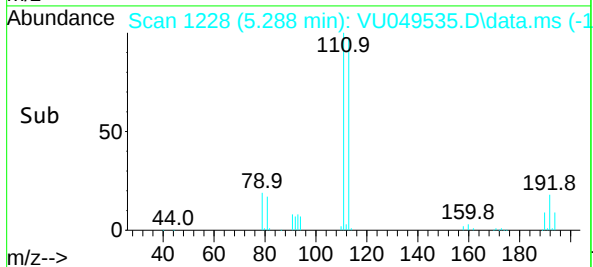
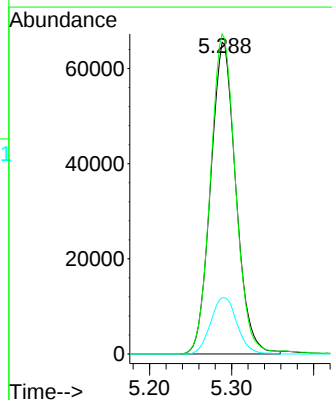
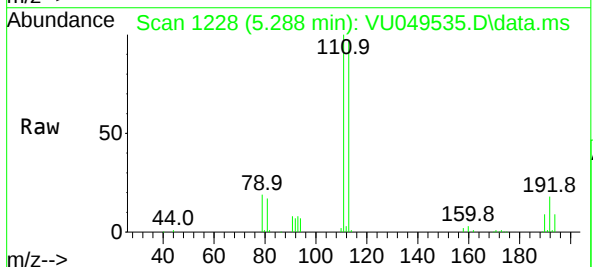
Tgt Ion:113 Resp: 140334

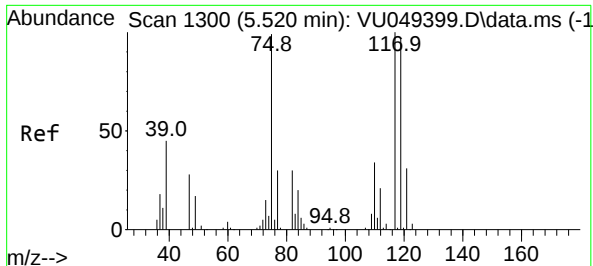
Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 18.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

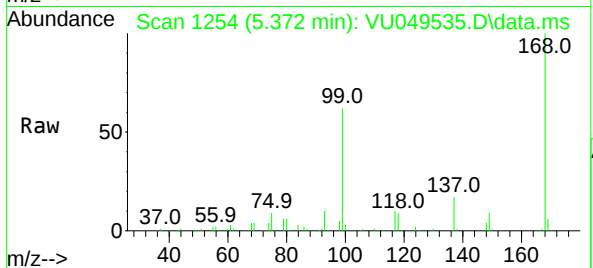
Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

Instrument :

MSVOA_U

ClientSampleId :



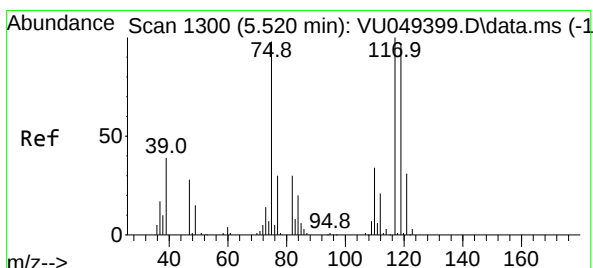
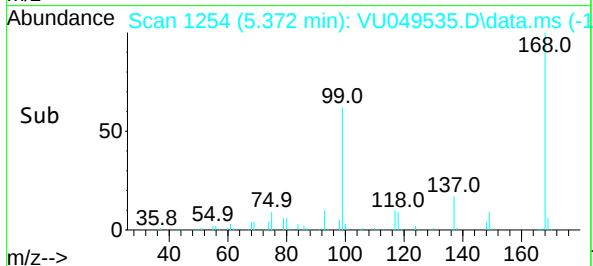
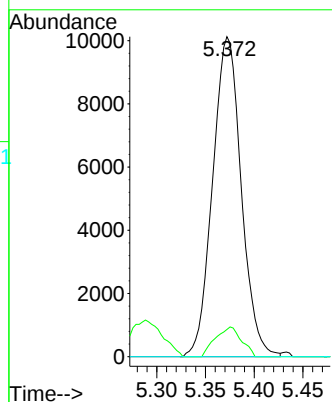
Tgt Ion: 75 Resp: 20653

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049535.D

Acq: 30 Jun 2022 01:10

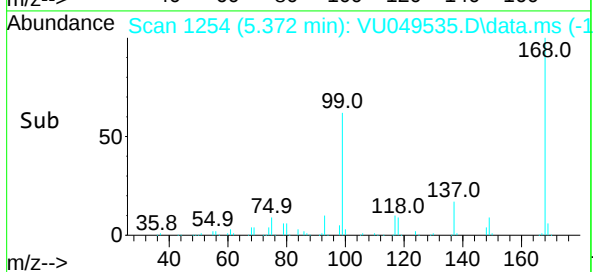
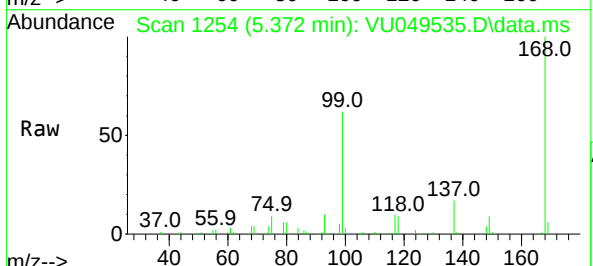
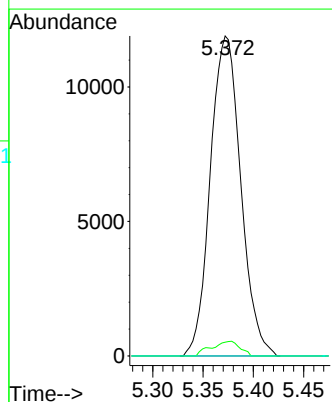
Tgt Ion: 117 Resp: 25033

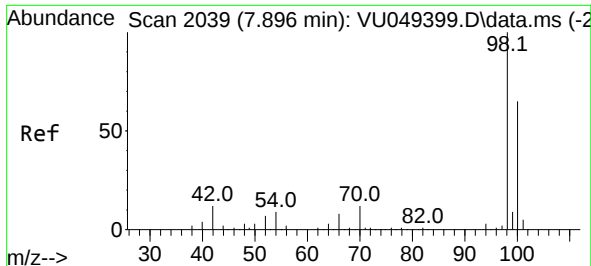
Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

121 0.0 24.7 37.1#

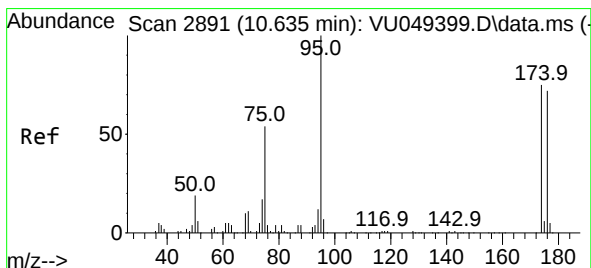
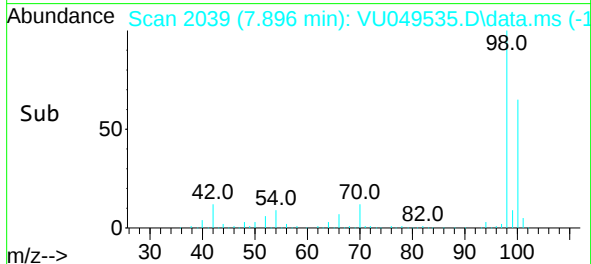
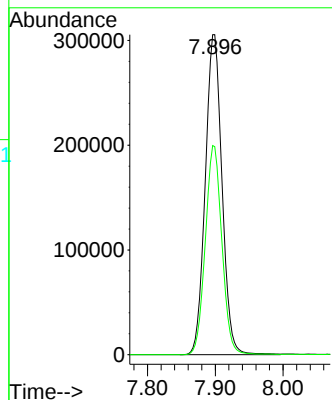
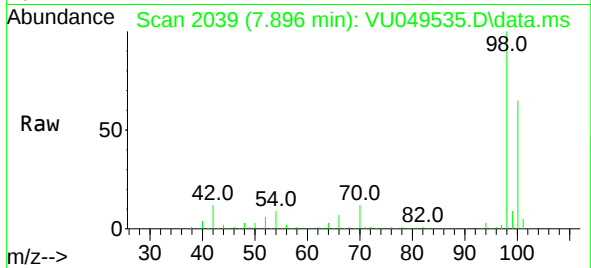




#50
Toluene-d8
Concen: 48.040 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

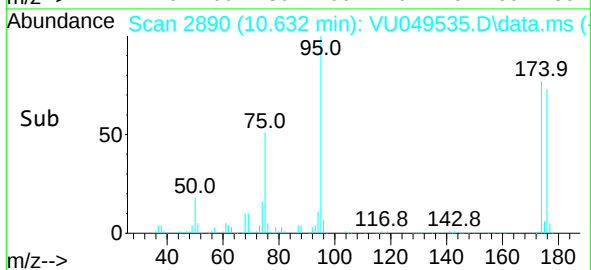
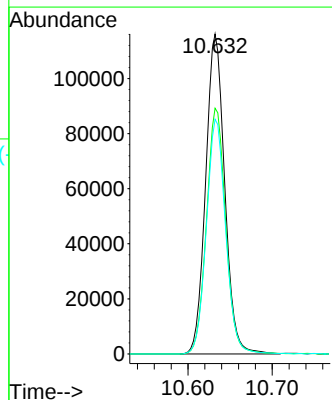
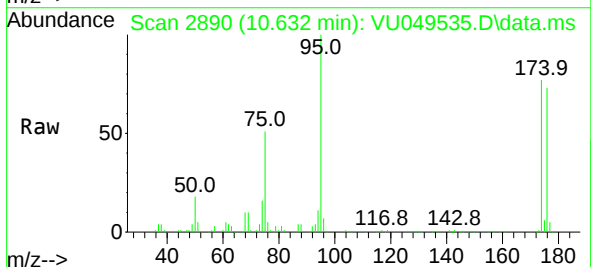
Instrument :
MSVOA_U
ClientSampleId :

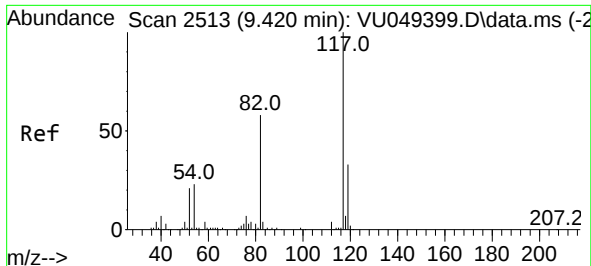
Tgt Ion: 98 Resp: 524410
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.721 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Tgt Ion: 95 Resp: 182825
Ion Ratio Lower Upper
95 100
174 77.6 0.0 182.0
176 74.2 0.0 177.8

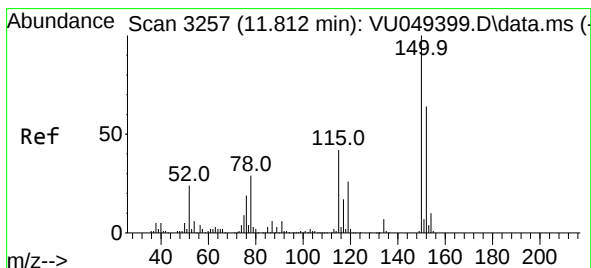
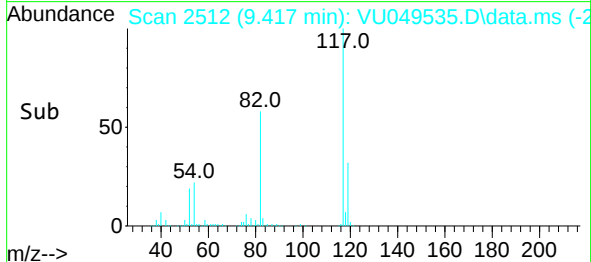
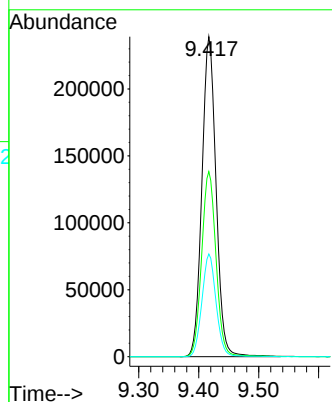
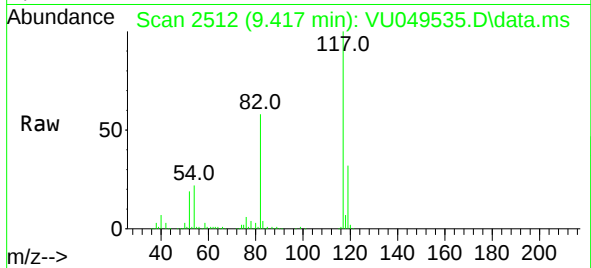




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

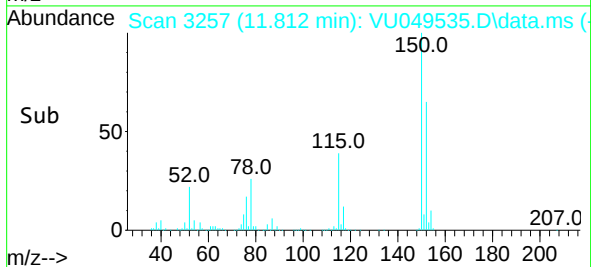
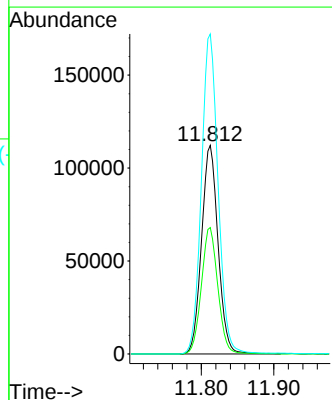
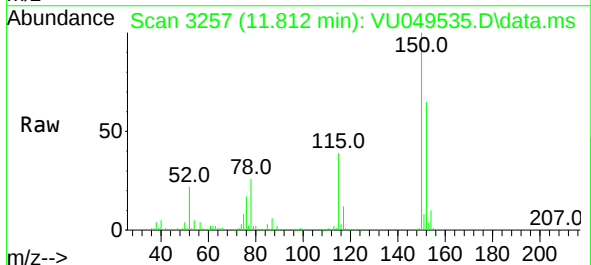
Instrument :
MSVOA_U
ClientSampleId :

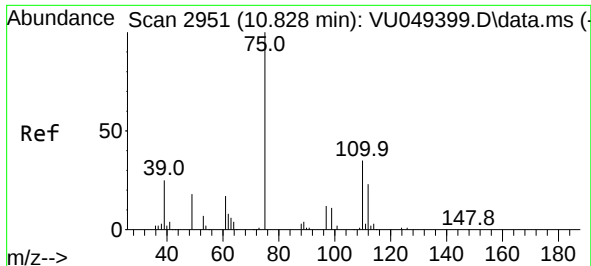
Tgt Ion:117 Resp: 392808
Ion Ratio Lower Upper
117 100
82 57.8 41.7 62.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

Tgt Ion:152 Resp: 177529
Ion Ratio Lower Upper
152 100
115 60.3 37.0 110.9
150 154.7 0.0 342.2

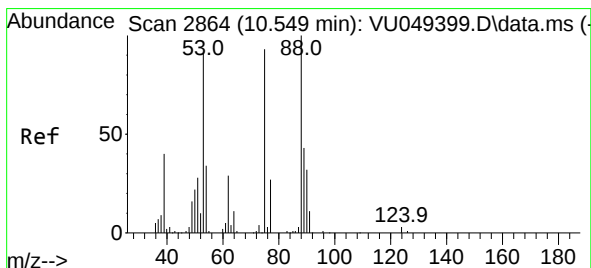
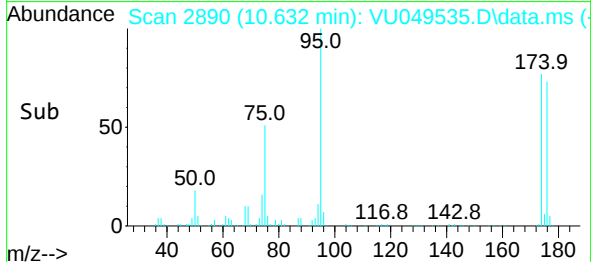
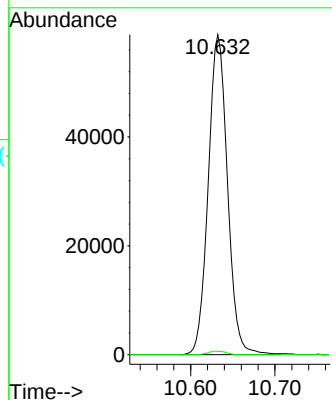
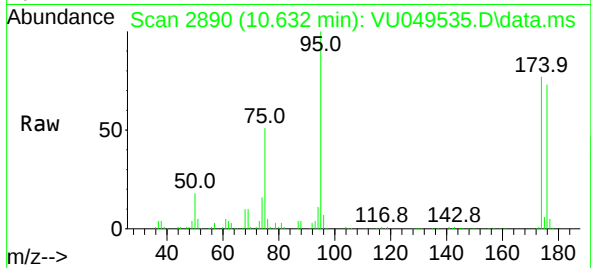




#76
1,2,3-Trichloropropane
Concen: 15.507 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

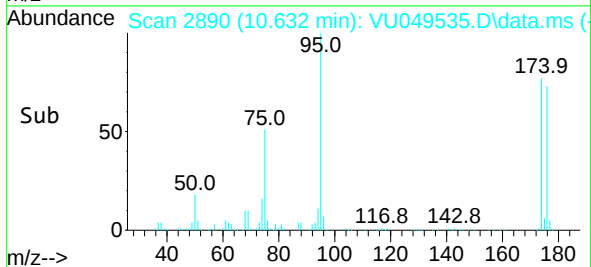
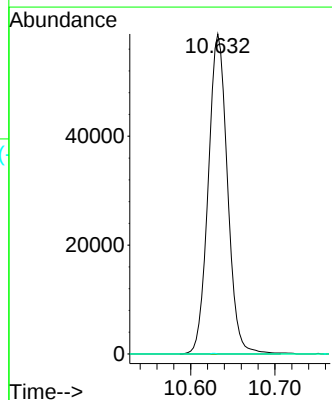
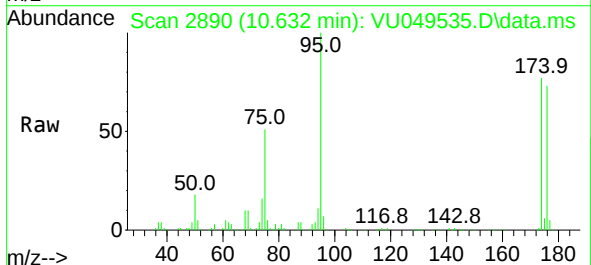
Instrument :
MSVOA_U
ClientSampleId :

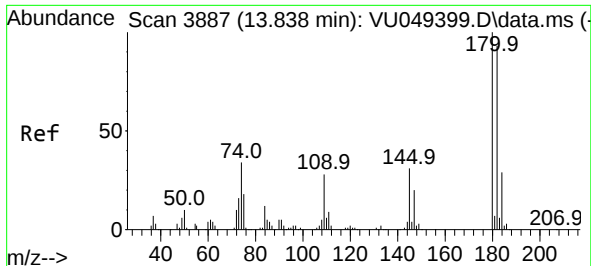
Tgt Ion: 75 Resp: 93325
Ion Ratio Lower Upper
75 100
77 1.0 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.267 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

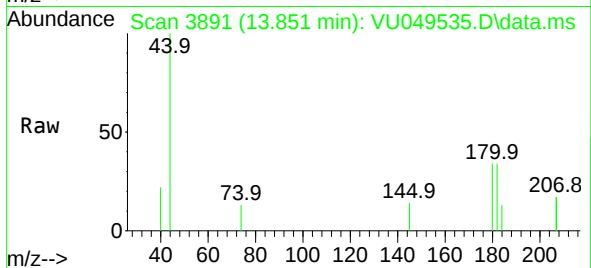
Tgt Ion: 75 Resp: 93325
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



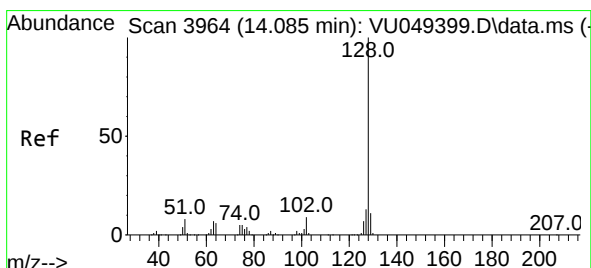
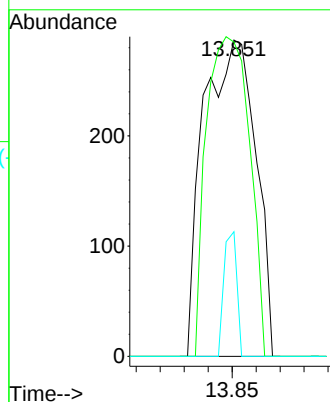
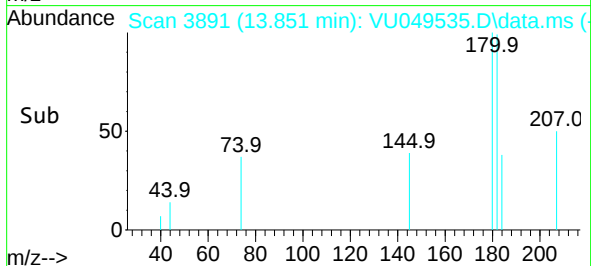


#93
1,2,4-Trichlorobenzene
Concen: 1.859 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10

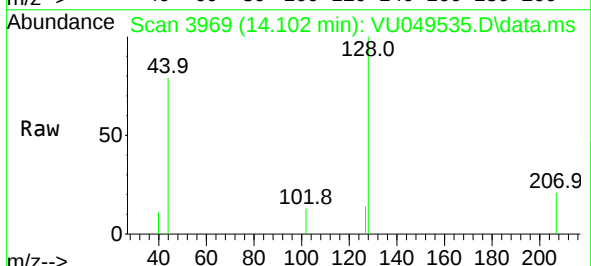
Instrument :
MSVOA_U
ClientSampleId :



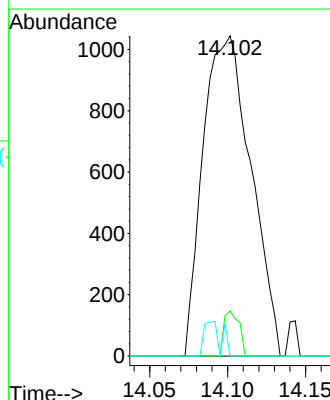
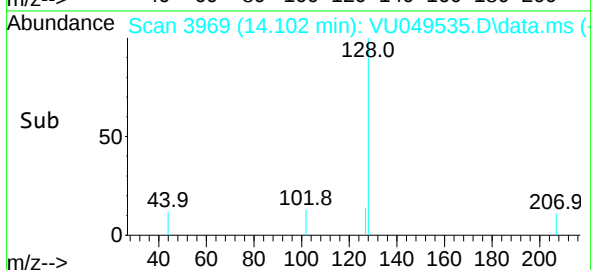
Tgt Ion:180 Resp: 433
Ion Ratio Lower Upper
180 100
182 83.4 47.9 143.6
145 9.7 14.0 41.9#

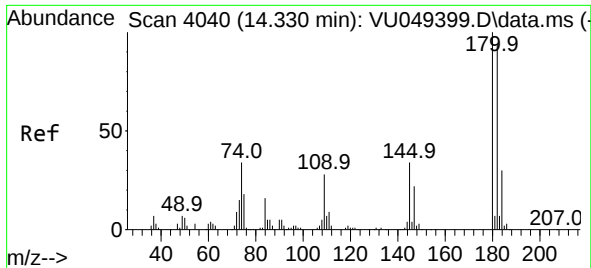


#95
Naphthalene
Concen: 1.891 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049535.D
Acq: 30 Jun 2022 01:10



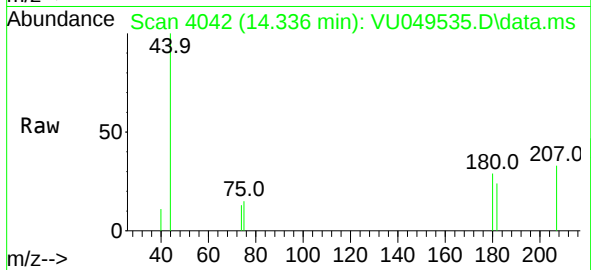
Tgt Ion:128 Resp: 2232
Ion Ratio Lower Upper
128 100
127 4.4 10.3 15.5#
129 3.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.281 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.006 min
 Lab File: VU049535.D
 Acq: 30 Jun 2022 01:10

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 437
 Ion Ratio Lower Upper
 180 100
 182 52.4 48.4 145.0
 145 0.0 14.8 44.4#

