

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049533.D
 Acq On : 30 Jun 2022 00:23
 Operator : SY/MD
 Sample : N3535-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:51:49 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)

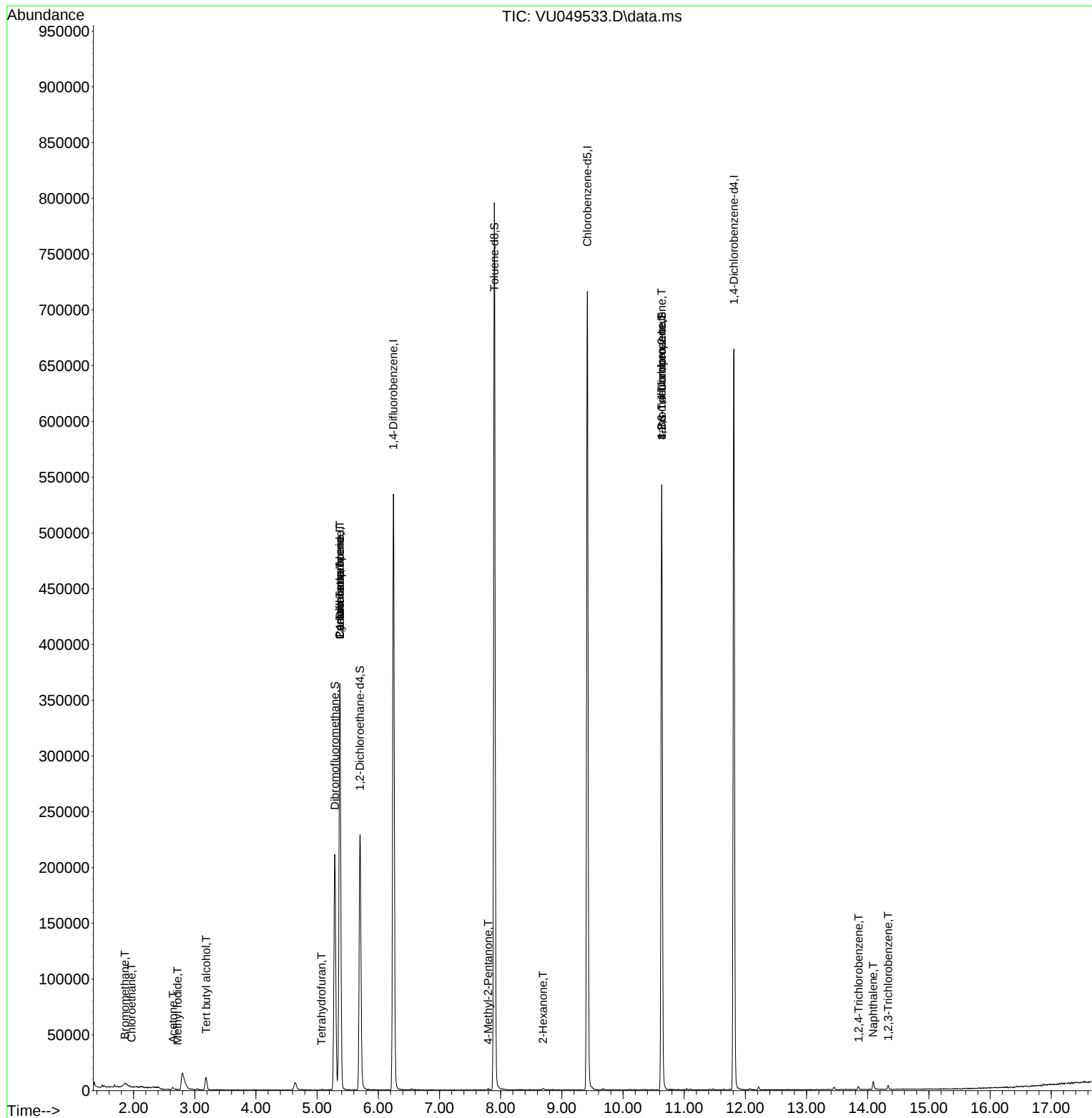
Internal Standards						
1) Pentafluorobenzene	5.372	168	247837	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	435158	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	395328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	172549	45.207	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.420%
35) Dibromofluoromethane	5.288	113	138329	45.436	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.880%
50) Toluene-d8	7.896	98	523947	48.251	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.500%
62) 4-Bromofluorobenzene	10.632	95	187243	45.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.020%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	1326	Below Cal		93
5) Bromomethane	1.858	94	372	0.298	ug/l	87
6) Chloroethane	1.967	64	94	1.964	ug/l	# 44
10) Methyl Iodide	2.716	142	89	7.541	ug/l	# 43
11) Tert butyl alcohol	3.186	59	6969	7.801	ug/l	# 37
16) Acetone	2.645	43	2963	1.539	ug/l	92
20) Methylene Chloride	3.038	84	249	Below Cal	#	83
29) Tetrahydrofuran	5.073	42	572	0.289	ug/l	# 32
31) Cyclohexane	5.372	56	5494	0.959	ug/l	# 6
36) 1,1-Dichloropropene	5.372	75	20015	4.534	ug/l	# 48
38) Carbon Tetrachloride	5.372	117	25279	5.460	ug/l	# 16
51) 4-Methyl-2-Pentanone	7.796	43	1215	0.205	ug/l	# 77
59) 2-Hexanone	8.693	43	1589	0.342	ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	96291	16.310	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	96291	60.230	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.851	180	1188	2.047	ug/l	96
95) Naphthalene	14.089	128	7383	2.259	ug/l	96
96) 1,2,3-Trichlorobenzene	14.333	180	1320	1.498	ug/l	93

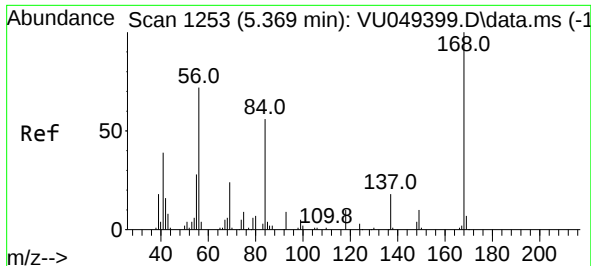
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 28 10:35:43 2022
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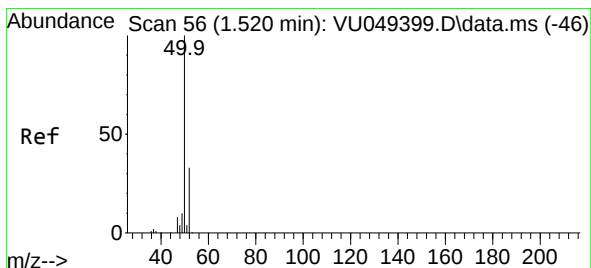
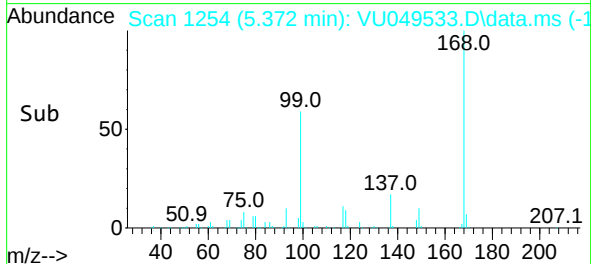
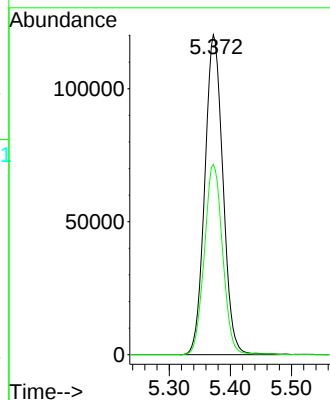
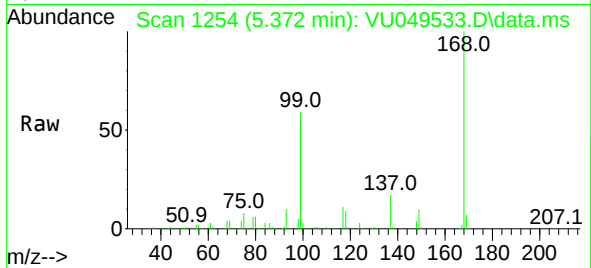




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

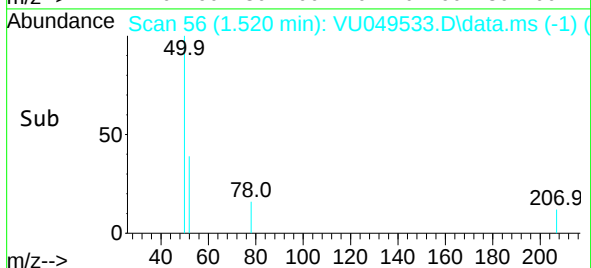
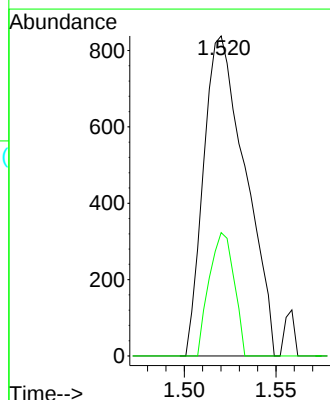
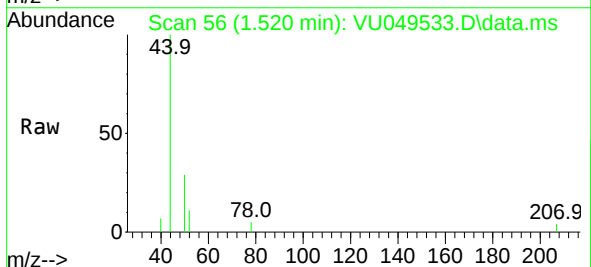
Instrument :
MSVOA_U
ClientSampleId :

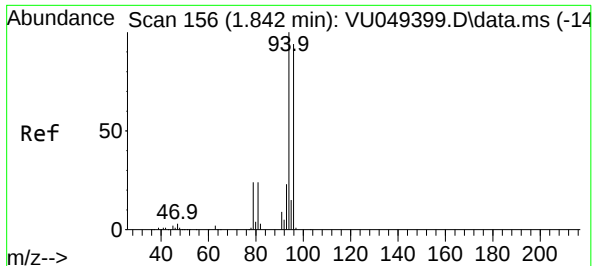
Tgt Ion:168 Resp: 247837
Ion Ratio Lower Upper
168 100
99 59.5 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion: 50 Resp: 1326
Ion Ratio Lower Upper
50 100
52 38.5 27.4 41.2

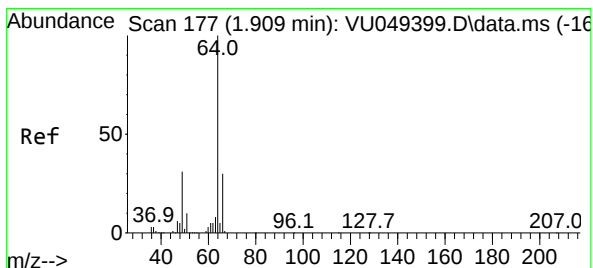
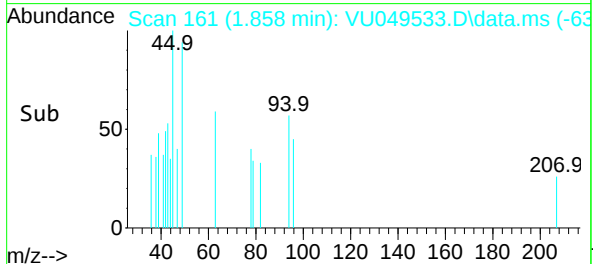
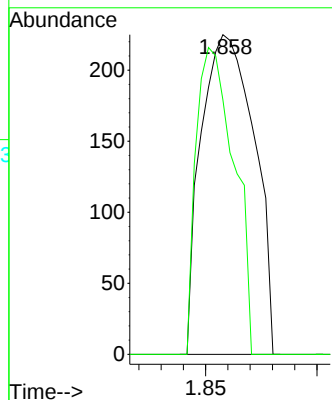
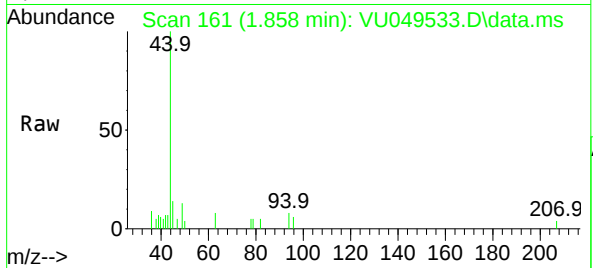




#5
Bromomethane
Concen: 0.298 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

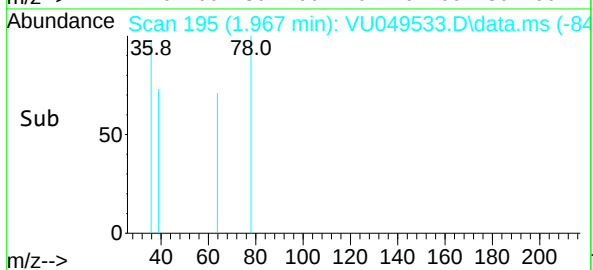
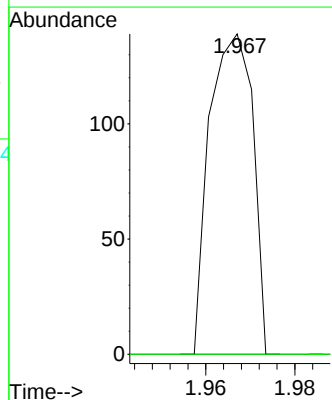
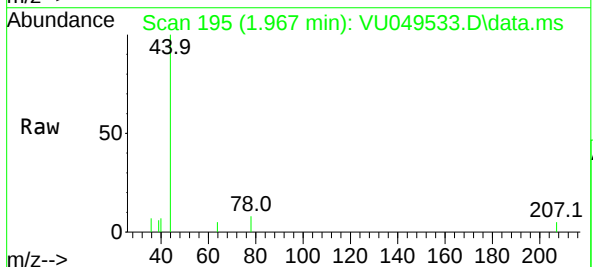
Instrument :
MSVOA_U
ClientSampleId :

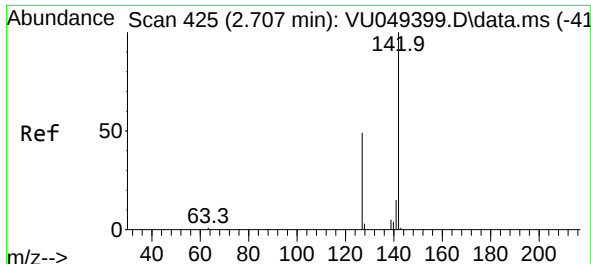
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 79.6 73.7 110.5



#6
Chloroethane
Concen: 1.964 ug/l
RT: 1.967 min Scan# 195
Delta R.T. 0.058 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

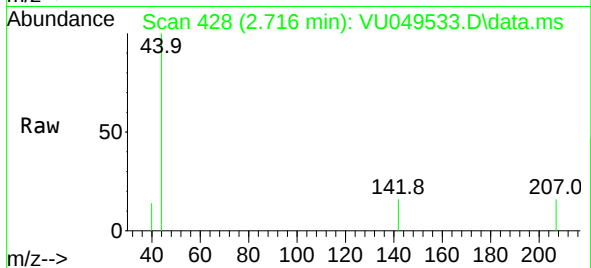
Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



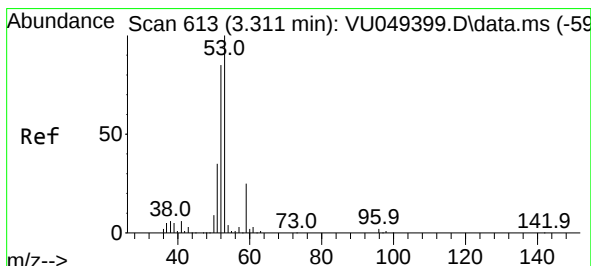
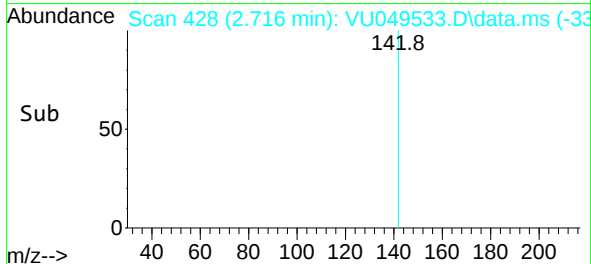
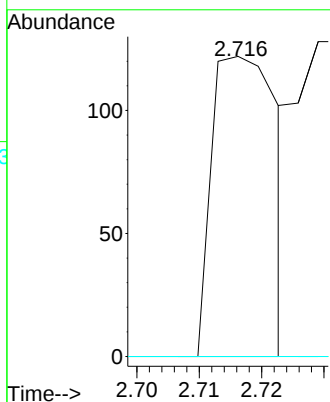


#10
Methyl Iodide
Concen: 7.541 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Instrument :
MSVOA_U
ClientSampleId :

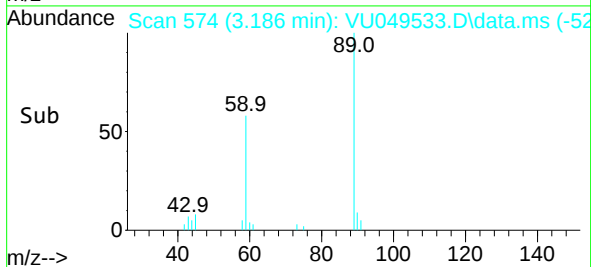
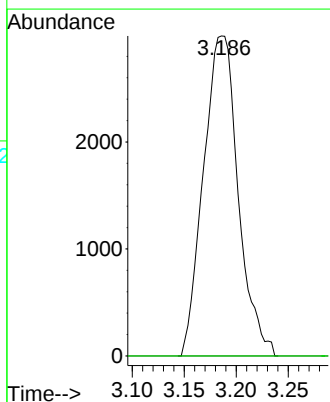
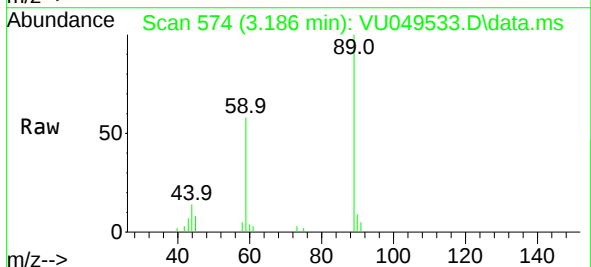


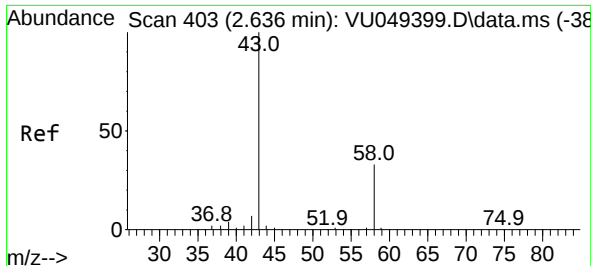
Tgt Ion:142 Resp: 89
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.801 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion: 59 Resp: 6969
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

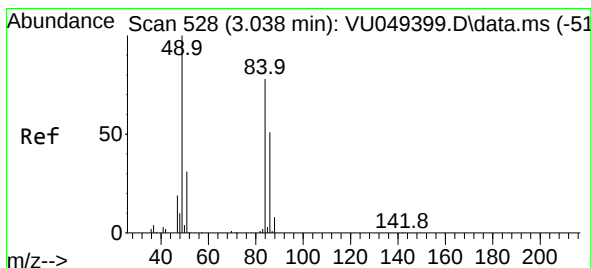
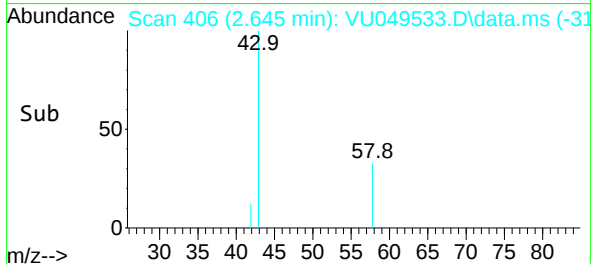
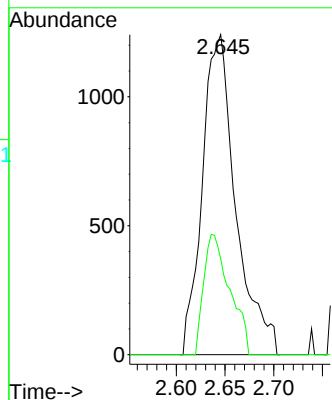
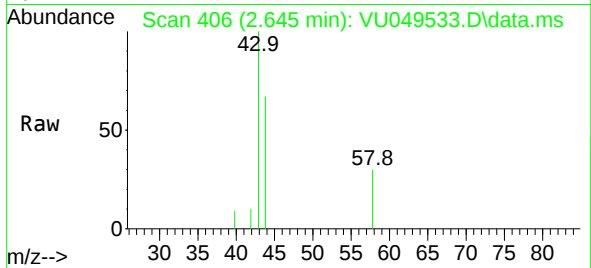




#16
Acetone
Concen: 1.539 ug/l
RT: 2.645 min Scan# 403
Delta R.T. 0.010 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

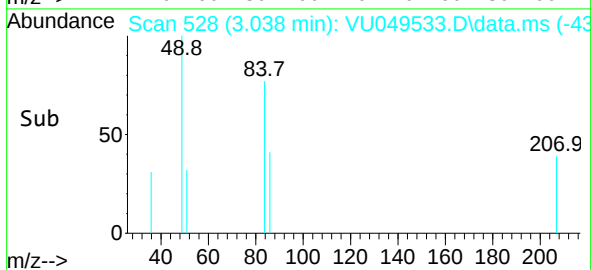
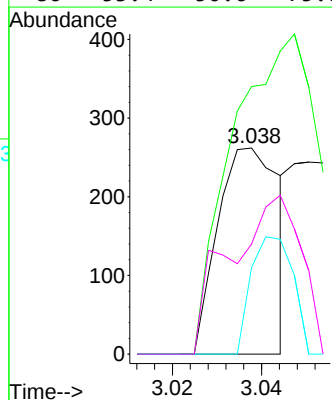
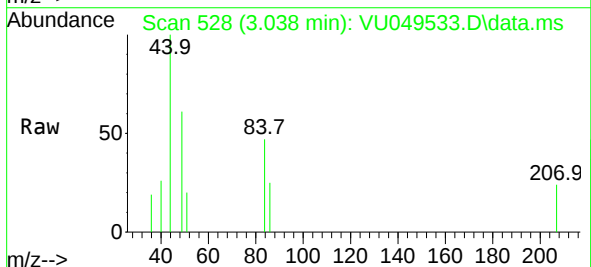
Instrument :
MSVOA_U
ClientSampleId :

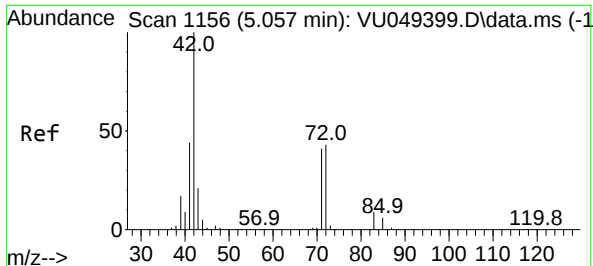
Tgt Ion: 43 Resp: 2963
Ion Ratio Lower Upper
43 100
58 30.0 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.038 min Scan# 528
Delta R.T. 0.000 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion: 84 Resp: 249
Ion Ratio Lower Upper
84 100
49 129.8 86.6 129.8
51 42.0 26.6 40.0#
86 53.4 50.6 75.8





#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 5.073 min Scan# 1156

Delta R.T. 0.016 min

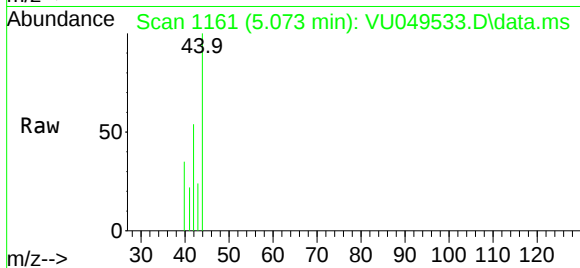
Lab File: VU049533.D

Acq: 30 Jun 2022 00:23

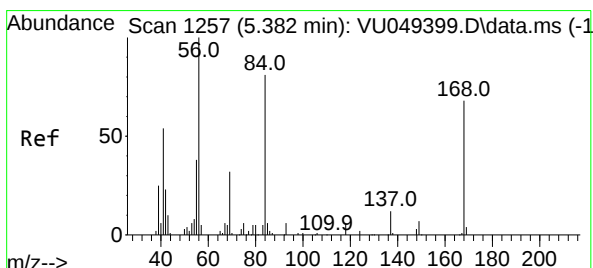
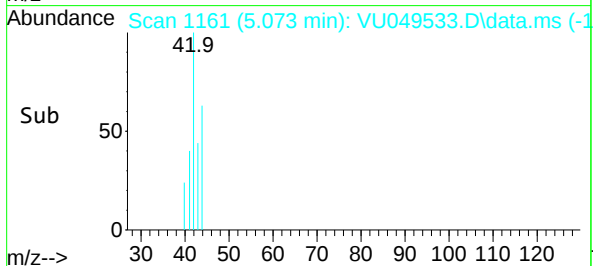
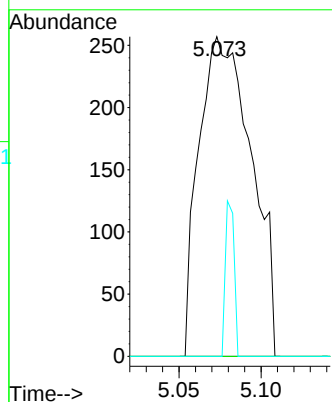
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	42.6	63.8#
71	8.0	40.3	60.5#



#31

Cyclohexane

Concen: 0.959 ug/l

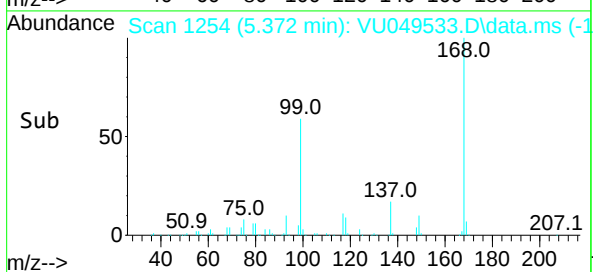
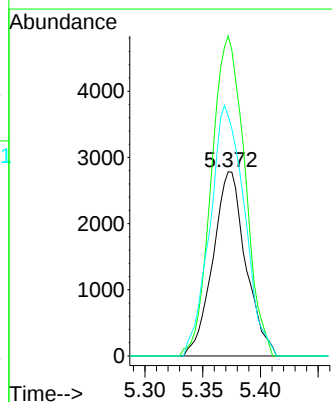
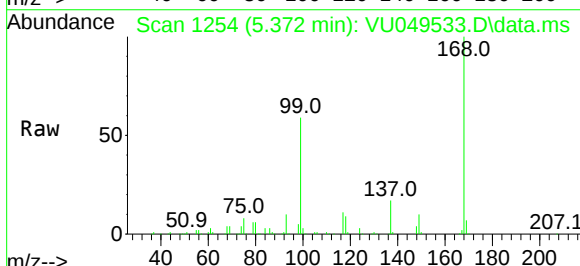
RT: 5.372 min Scan# 1254

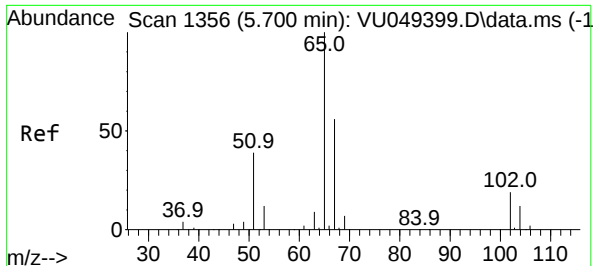
Delta R.T. -0.010 min

Lab File: VU049533.D

Acq: 30 Jun 2022 00:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	173.7	27.8	41.8#
84	130.4	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.207 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049533.D

Acq: 30 Jun 2022 00:23

Instrument :

MSVOA_U

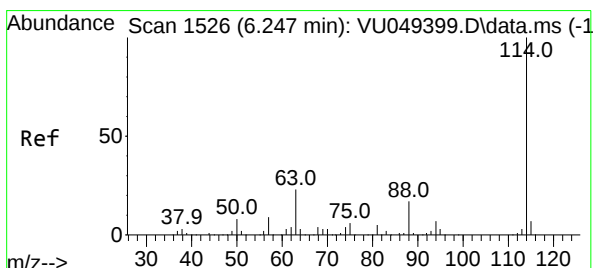
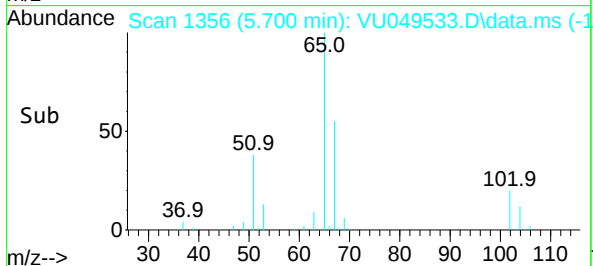
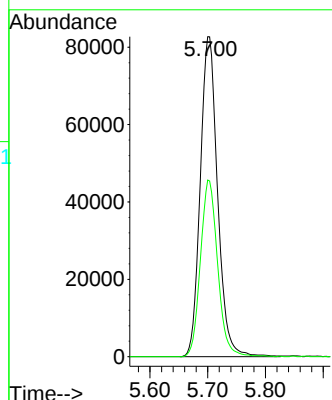
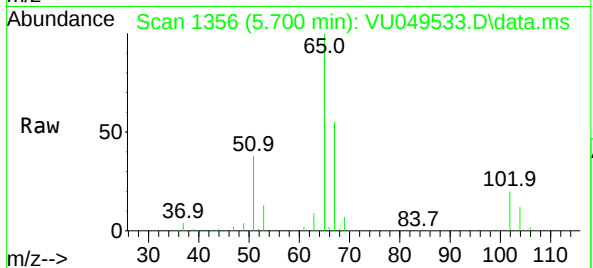
ClientSampleId :

Tgt Ion: 65 Resp: 172549

Ion Ratio Lower Upper

65 100

67 54.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049533.D

Acq: 30 Jun 2022 00:23

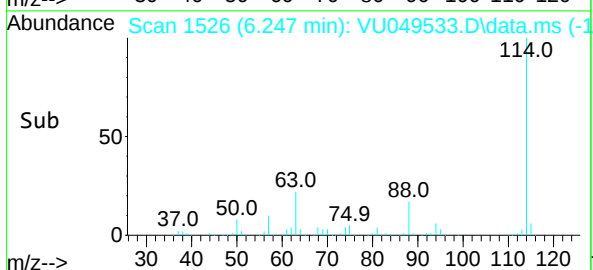
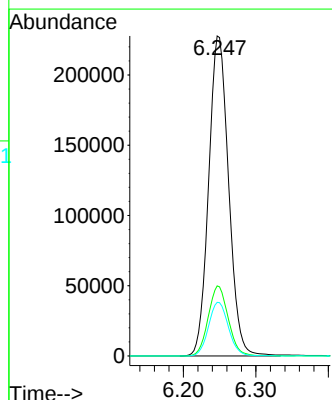
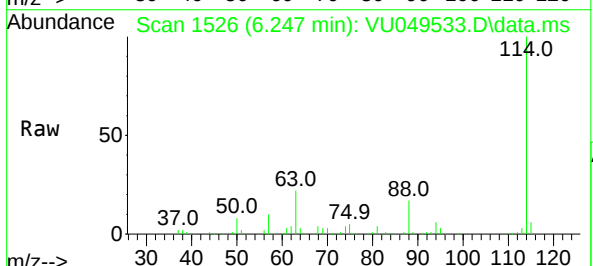
Tgt Ion: 114 Resp: 435158

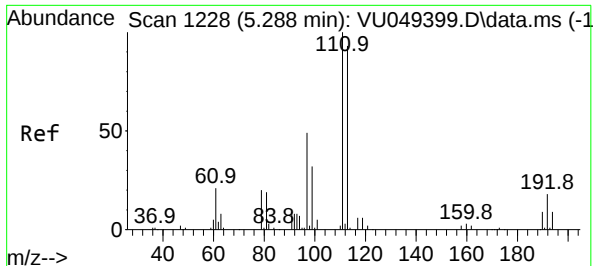
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.7 0.0 29.2

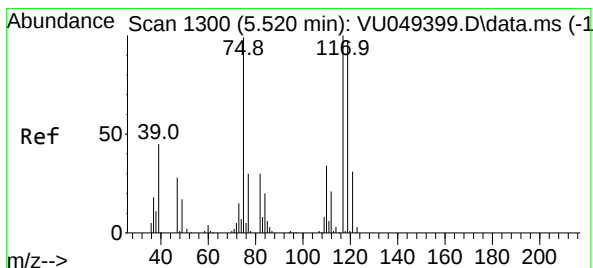
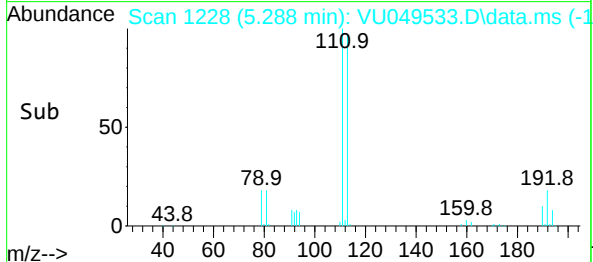
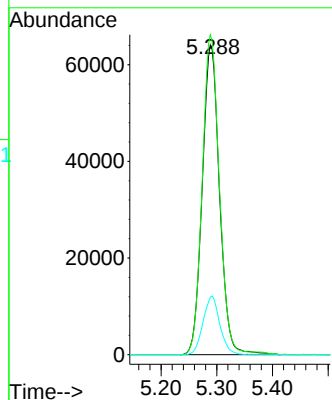
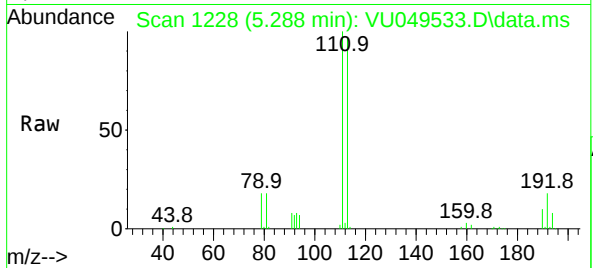




#35
Dibromofluoromethane
Concen: 45.436 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

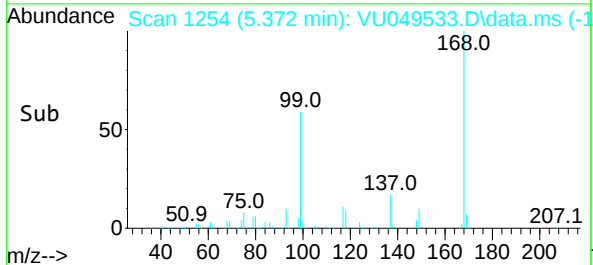
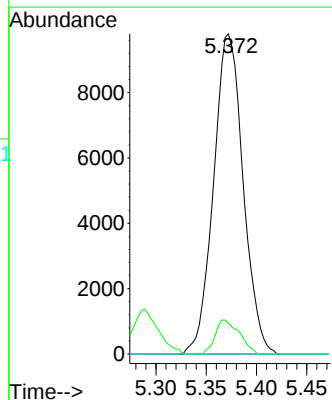
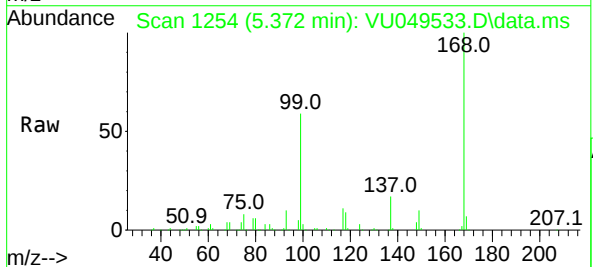
Instrument :
MSVOA_U
ClientSampleId :

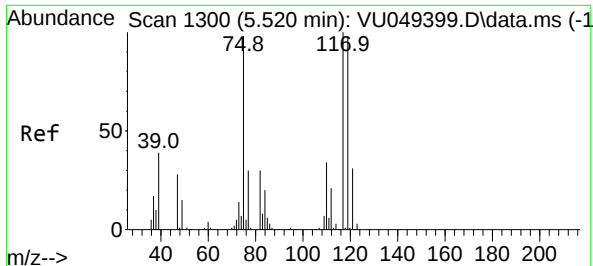
Tgt Ion:113 Resp: 138329
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 18.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

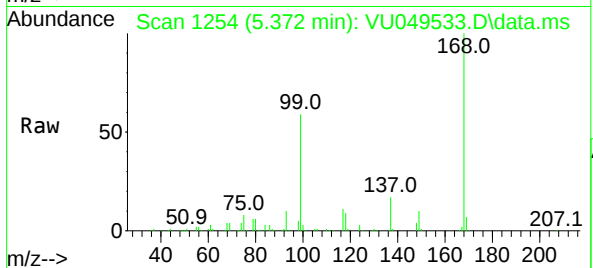
Tgt Ion: 75 Resp: 20015
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 25.1 37.7#



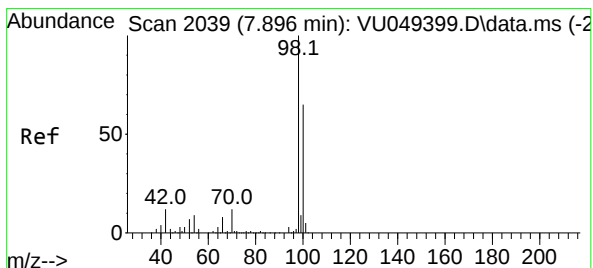
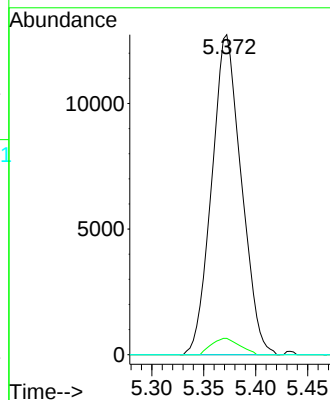
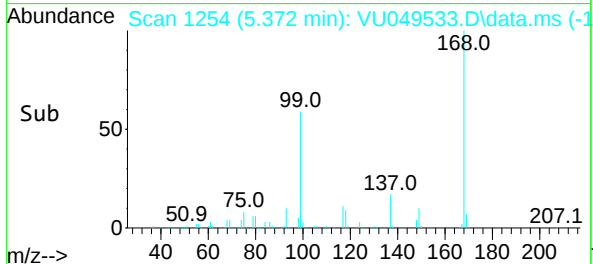


#38
Carbon Tetrachloride
Concen: 5.460 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Instrument :
MSVOA_U
ClientSampleId :

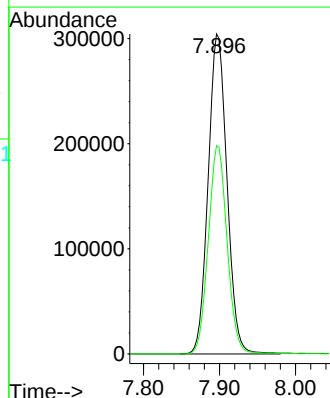
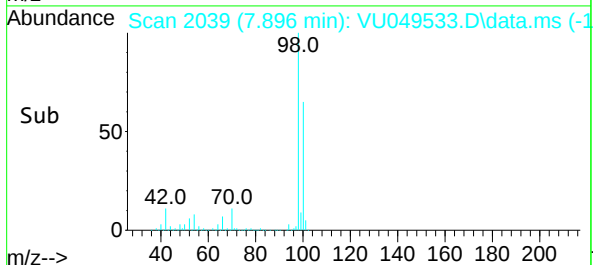
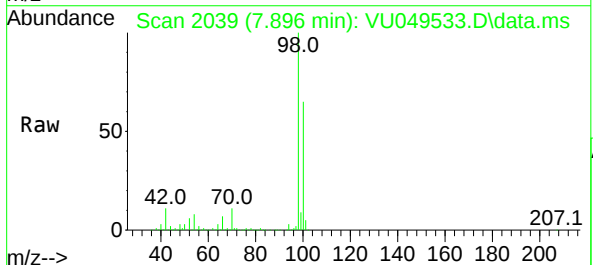


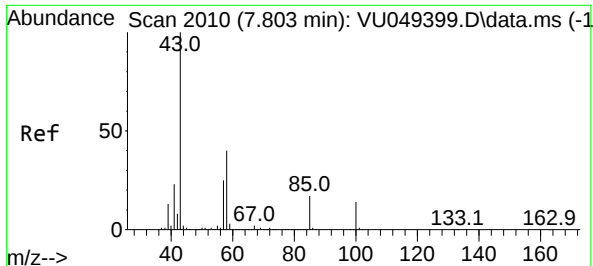
Tgt Ion:117 Resp: 25279
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.251 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion: 98 Resp: 523947
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.205 ug/l

RT: 7.796 min Scan# 2010

Delta R.T. -0.006 min

Lab File: VU049533.D

Acq: 30 Jun 2022 00:23

Instrument :

MSVOA_U

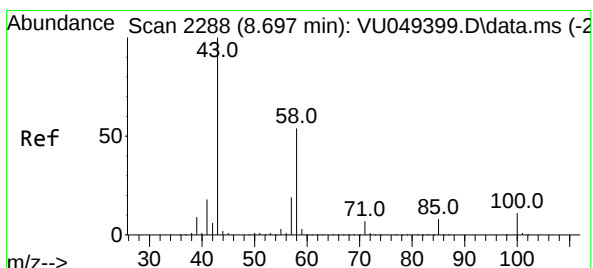
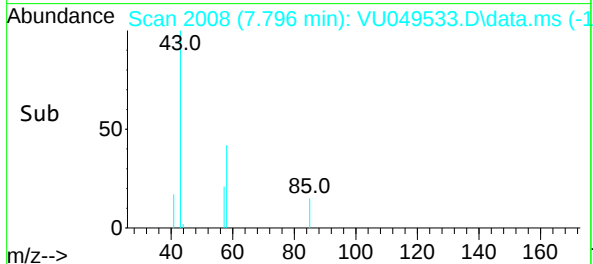
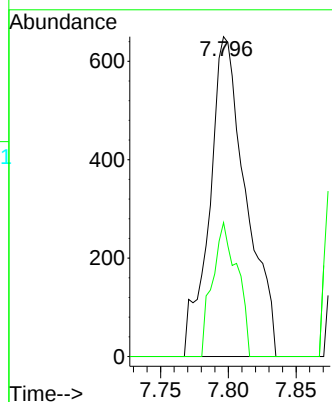
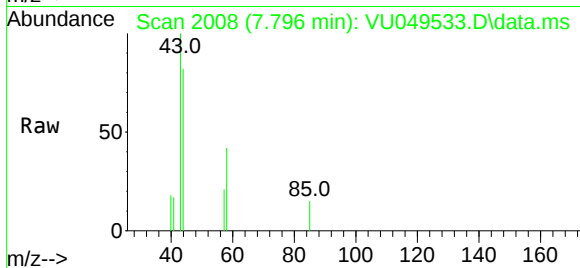
ClientSampleId :

Tgt Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

58 28.5 34.7 52.1#



#59

2-Hexanone

Concen: 0.342 ug/l

RT: 8.693 min Scan# 2287

Delta R.T. -0.003 min

Lab File: VU049533.D

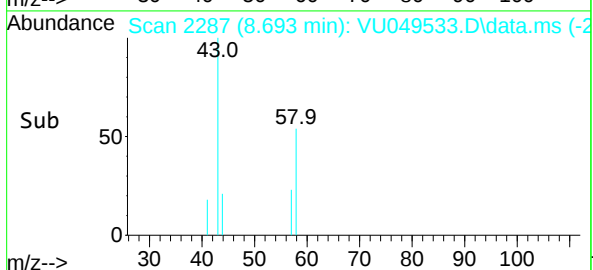
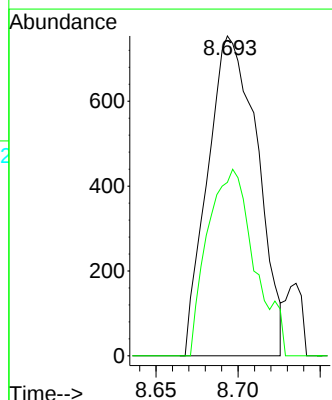
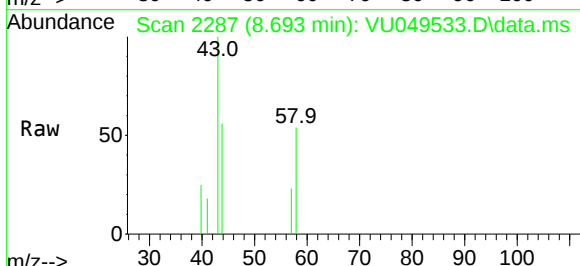
Acq: 30 Jun 2022 00:23

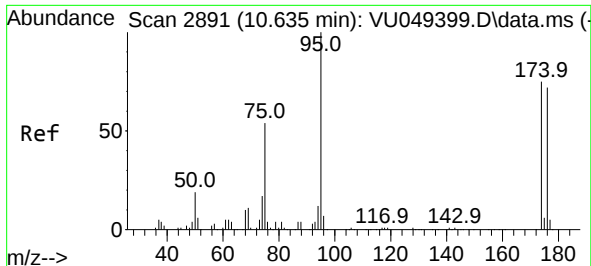
Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

58 54.9 30.3 90.8

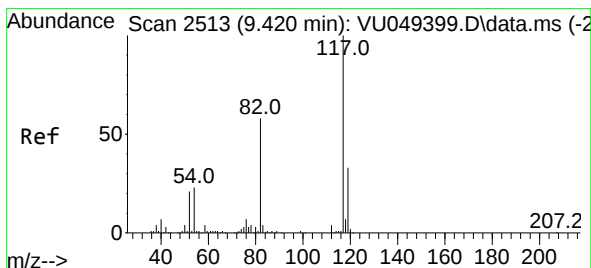
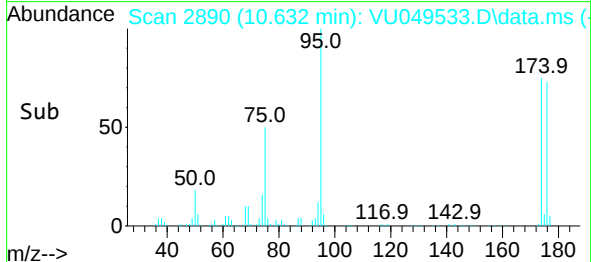
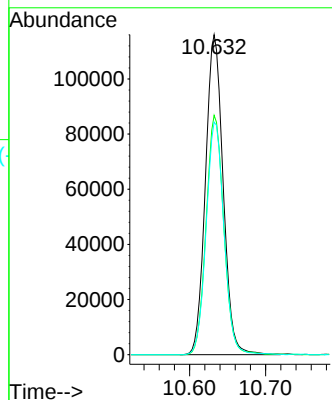
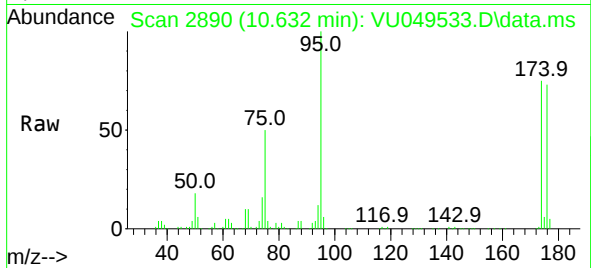




#62
 4-Bromofluorobenzene
 Concen: 45.014 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU049533.D
 Acq: 30 Jun 2022 00:23

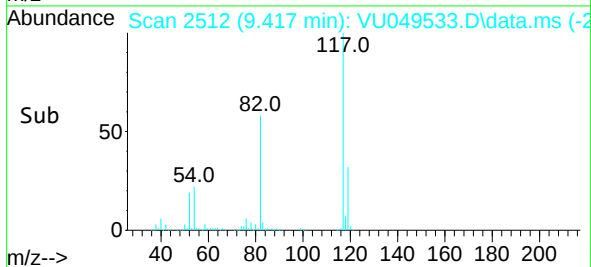
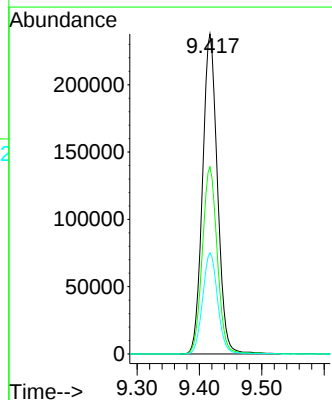
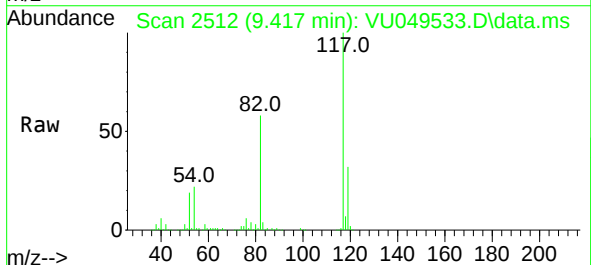
Instrument :
 MSVOA_U
 ClientSampleId :

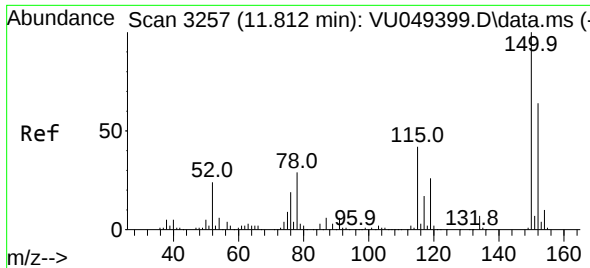
Tgt Ion: 95 Resp: 187243
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 182.0
 176 73.3 0.0 177.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.417 min Scan# 2512
 Delta R.T. -0.003 min
 Lab File: VU049533.D
 Acq: 30 Jun 2022 00:23

Tgt Ion: 117 Resp: 395328
 Ion Ratio Lower Upper
 117 100
 82 58.5 41.7 62.5
 119 31.6 25.7 38.5

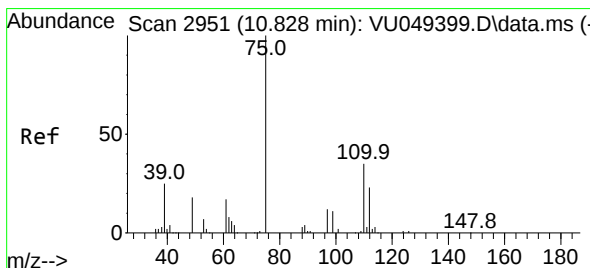
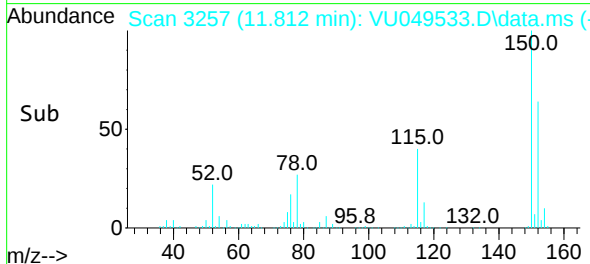
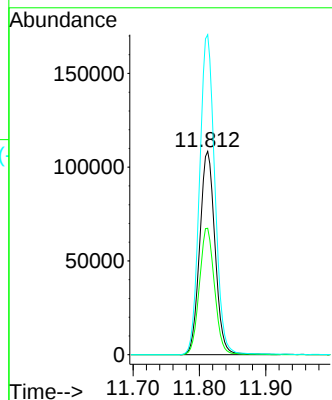
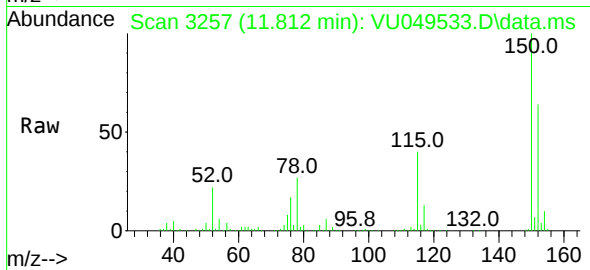




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049533.D
 Acq: 30 Jun 2022 00:23

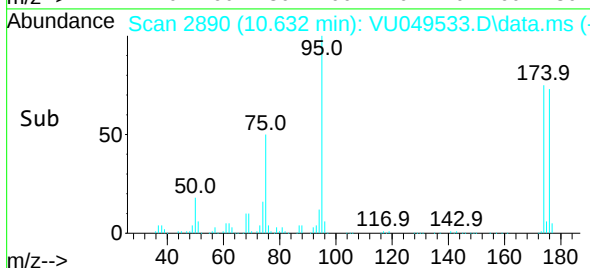
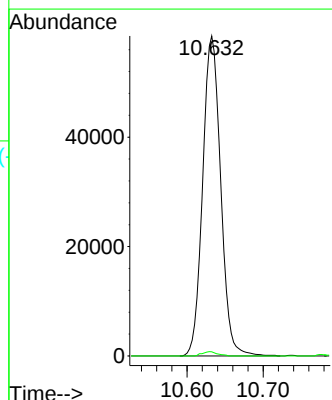
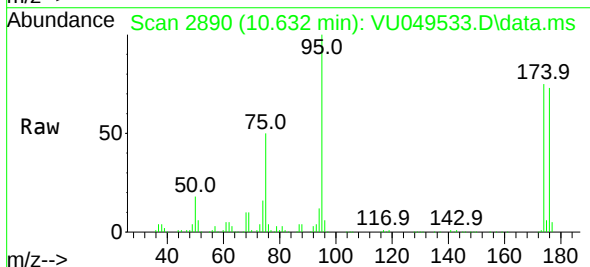
Instrument :
 MSVOA_U
 ClientSampleId :

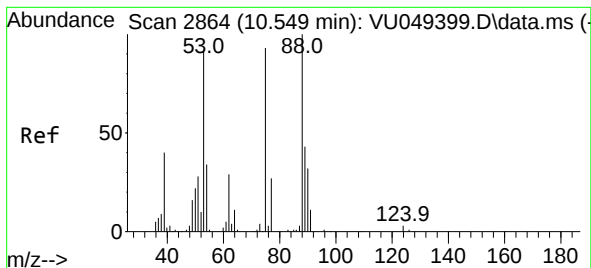
Tgt Ion:152 Resp: 174161
 Ion Ratio Lower Upper
 152 100
 115 61.4 37.0 110.9
 150 157.2 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.310 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049533.D
 Acq: 30 Jun 2022 00:23

Tgt Ion: 75 Resp: 96291
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

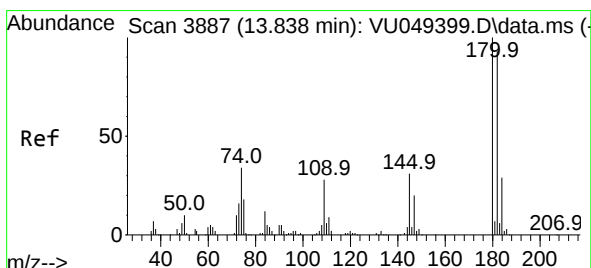
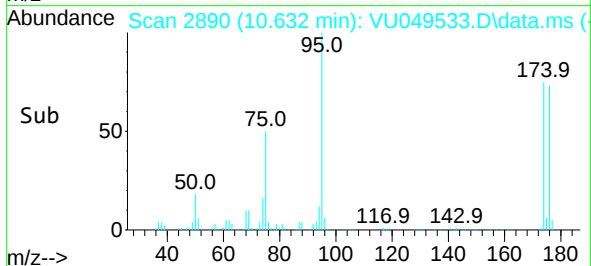
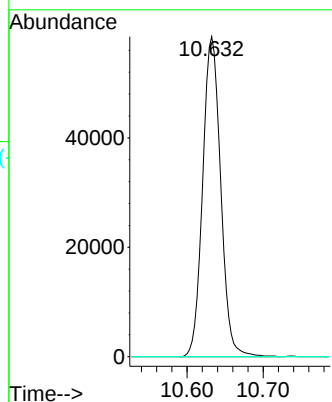
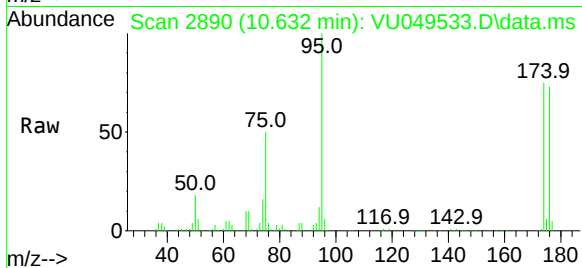




#81
trans-1,4-Dichloro-2-butene
Concen: 60.230 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

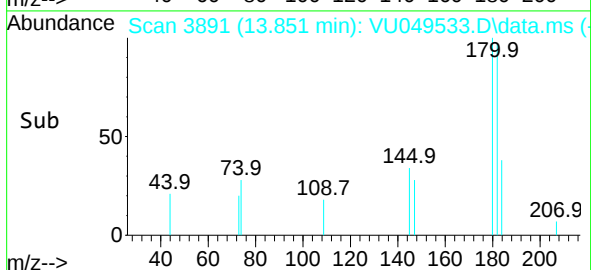
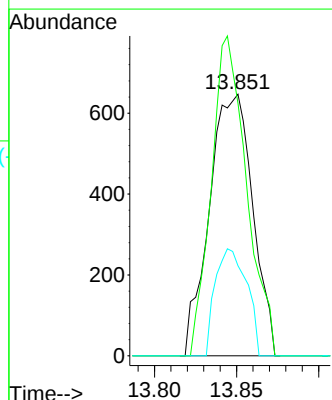
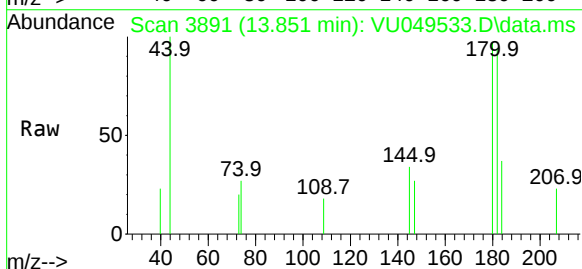
Instrument :
MSVOA_U
ClientSampleId :

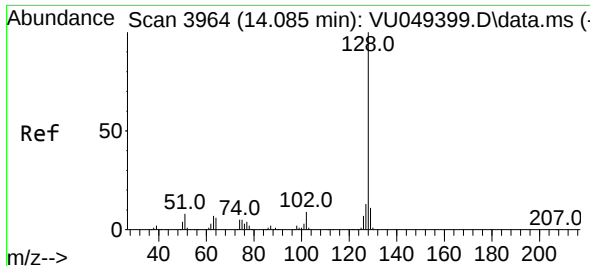
Tgt Ion: 75 Resp: 96291
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.047 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion:180 Resp: 1188
Ion Ratio Lower Upper
180 100
182 99.3 47.9 143.6
145 29.5 14.0 41.9

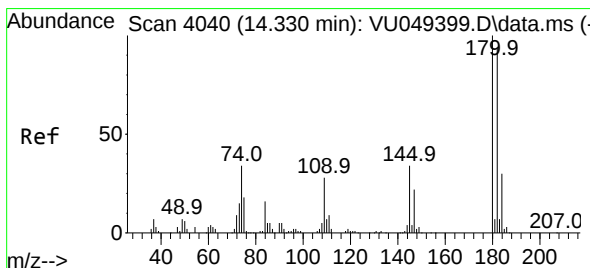
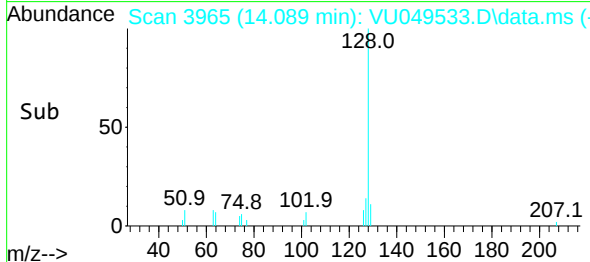
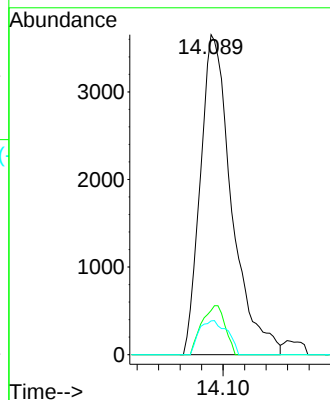
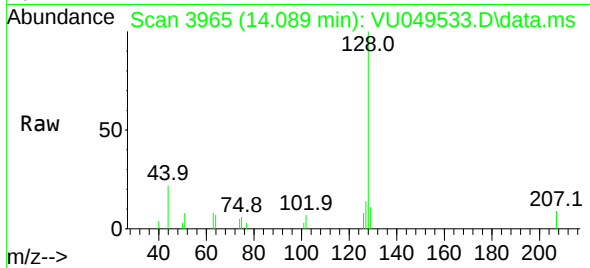




#95
Naphthalene
Concen: 2.259 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	128	Resp:	7383
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.3	15.5
129	9.5	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.498 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049533.D
Acq: 30 Jun 2022 00:23

Tgt Ion:	180	Resp:	1320
Ion	Ratio	Lower	Upper
180	100		
182	104.7	48.4	145.0
145	31.9	14.8	44.4

