

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049435.D
 Acq On : 28 Jun 2022 04:38
 Operator : SY/MD
 Sample : N3482-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB062122

Quant Time: Jun 28 07:15:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

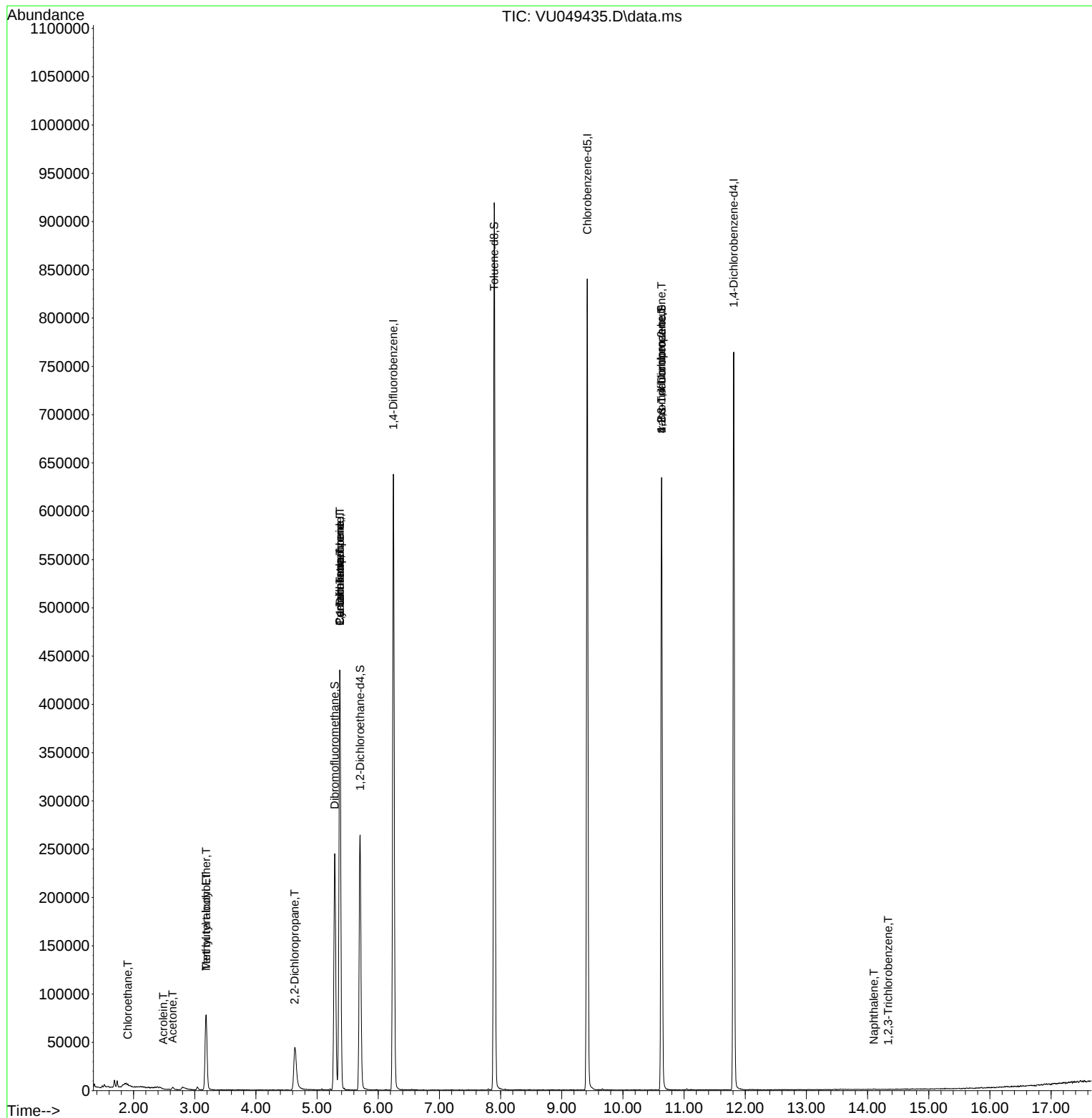
Internal Standards						
1) Pentafluorobenzene	5.372	168	301685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	517229	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	456972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	203490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	198379	42.698	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.400%
35) Dibromofluoromethane	5.288	113	161694	44.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.360%
50) Toluene-d8	7.896	98	612550	47.459	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.920%
62) 4-Bromofluorobenzene	10.632	95	216888	43.867	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.740%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2385	Below Cal	#	80
6) Chloroethane	1.906	64	21	1.924	ug/l #	44
11) Tert butyl alcohol	3.186	59	49058	45.112	ug/l #	39
13) Acrolein	2.485	56	170	0.231	ug/l #	28
16) Acetone	2.639	43	3290	1.404	ug/l	97
19) Methyl tert-butyl Ether	3.186	73	2703	0.222	ug/l	99
20) Methylene Chloride	3.041	84	1354	Below Cal	#	89
26) 2,2-Dichloropropane	4.632	77	3625	0.600	ug/l #	52
31) Cyclohexane	5.372	56	5965	0.855	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	25680	4.894	ug/l #	47
38) Carbon Tetrachloride	5.372	117	31653	5.752	ug/l #	16
76) 1,2,3-Trichloropropane	10.632	75	110778	16.059	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	110778	59.304	ug/l #	15
95) Naphthalene	14.105	128	582	1.771	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	21	1.181	ug/l #	7

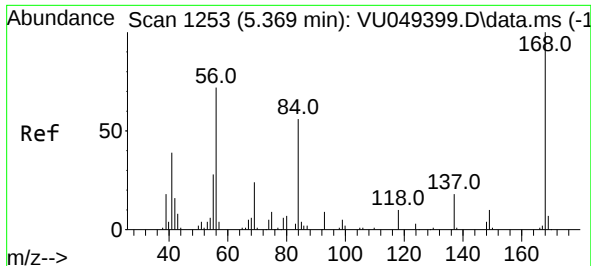
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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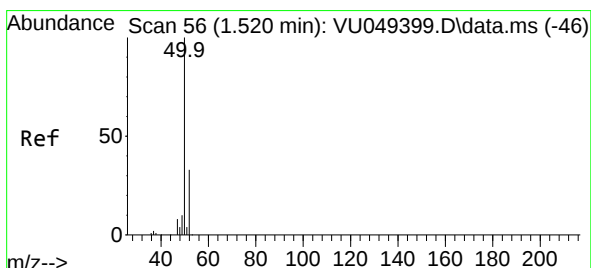
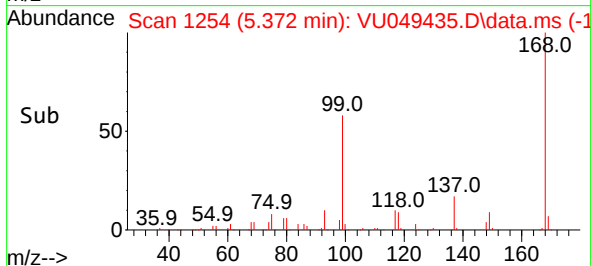
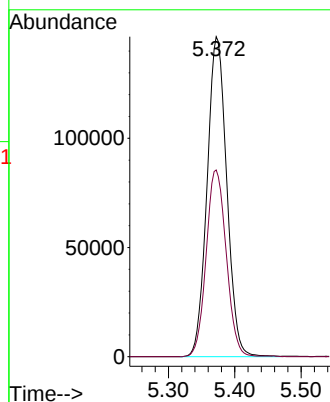
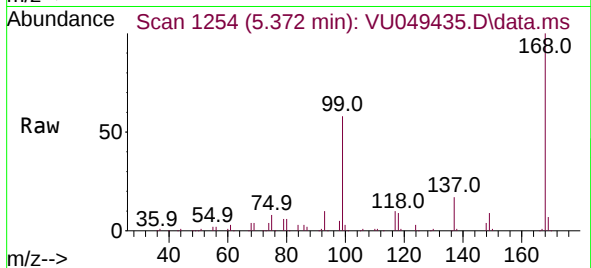




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

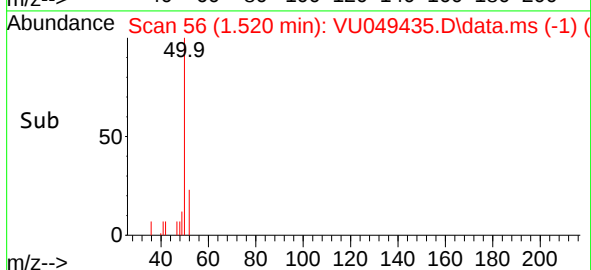
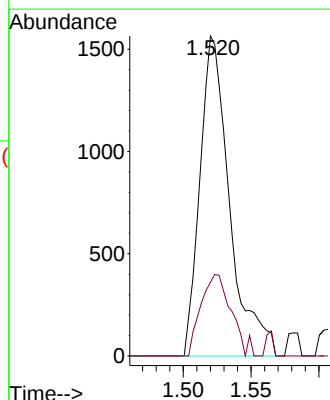
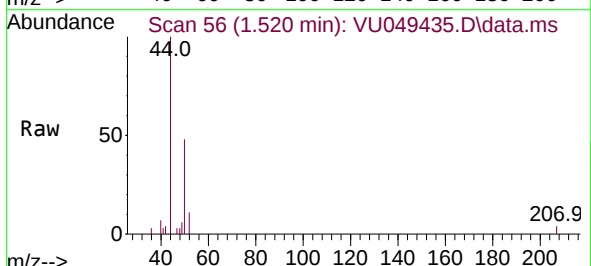
Instrument :
MSVOA_U
ClientSampleId :
FB062122

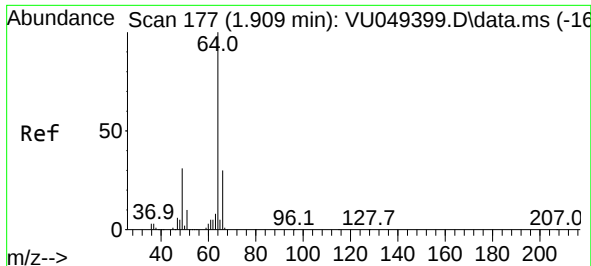
Tgt Ion:168 Resp: 301685
Ion Ratio Lower Upper
168 100
99 58.4 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

Tgt Ion: 50 Resp: 2385
Ion Ratio Lower Upper
50 100
52 23.1 27.4 41.2#

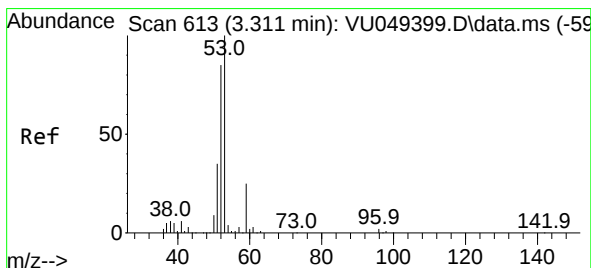
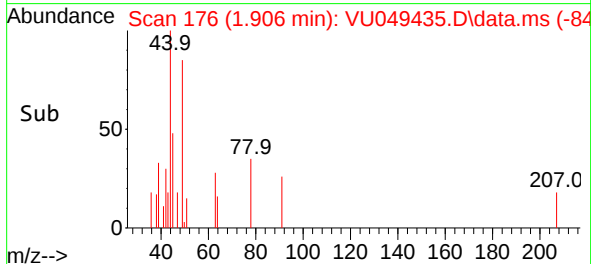
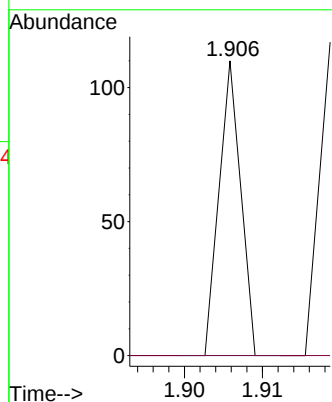
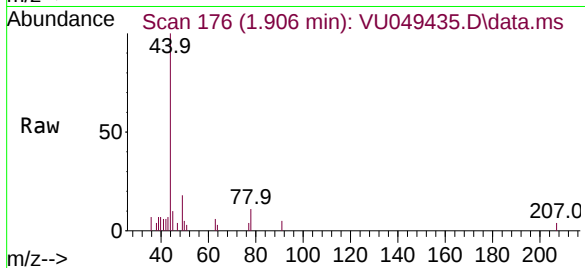




#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.906 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

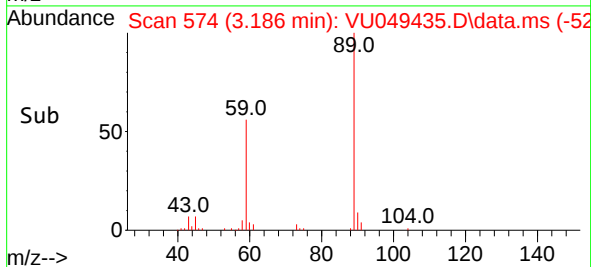
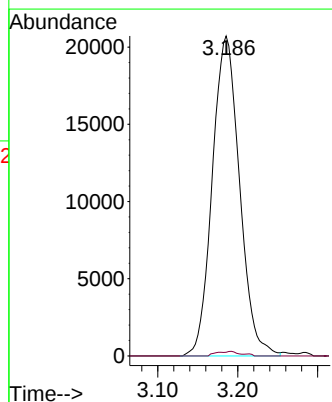
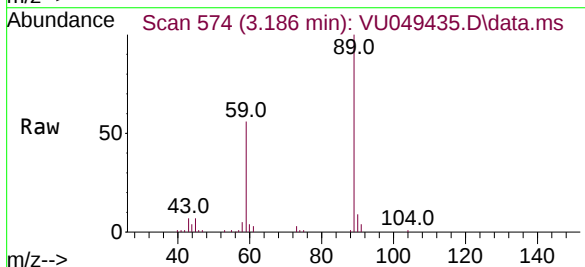
Instrument :
MSVOA_U
ClientSampleId :
FB062122

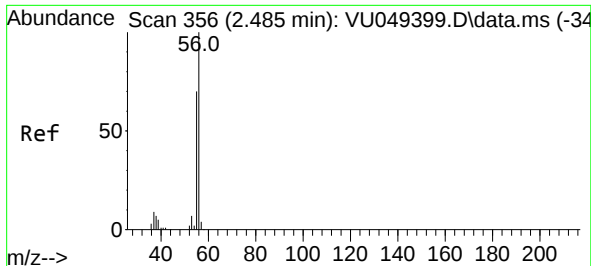
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 45.112 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

Tgt Ion: 59 Resp: 49058
Ion Ratio Lower Upper
59 100
57 1.1 30.6 45.8#

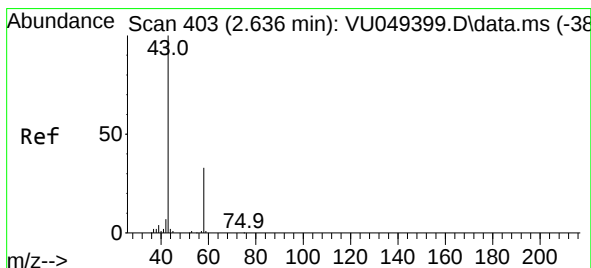
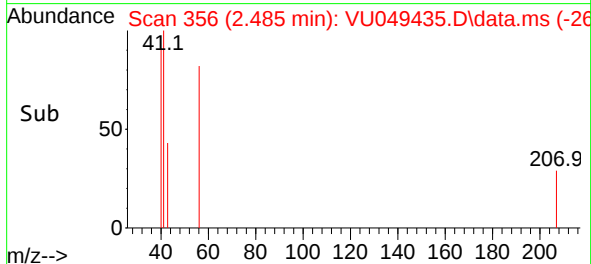
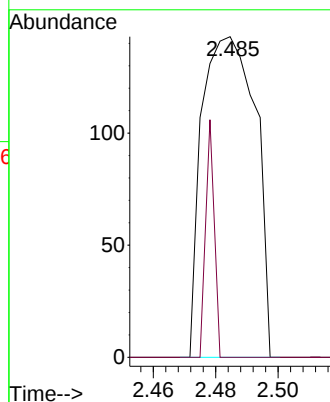
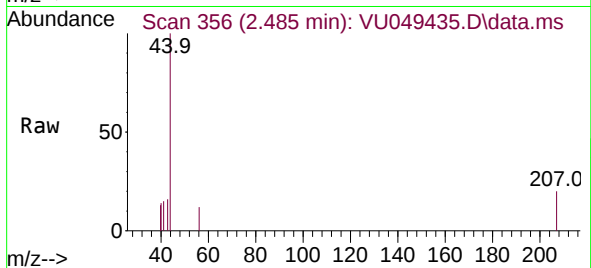




#13
Acrolein
Concen: 0.231 ug/l
RT: 2.485 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

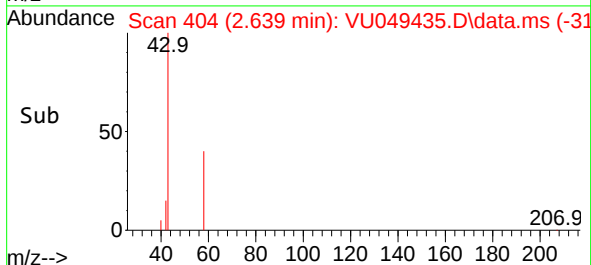
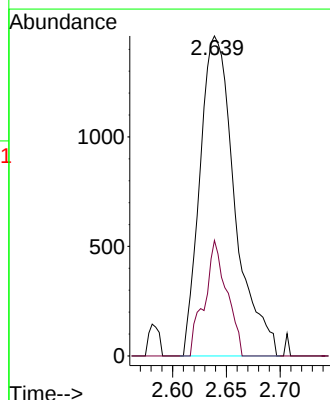
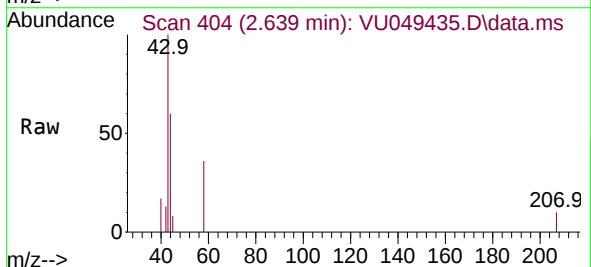
Instrument :
MSVOA_U
ClientSampleId :
FB062122

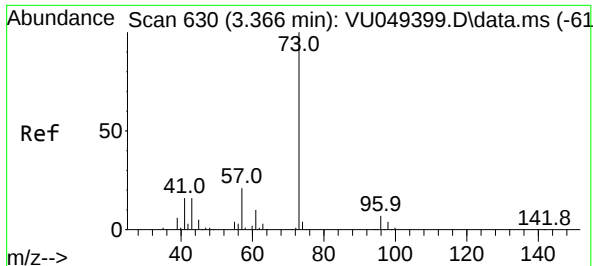
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 11.8 56.6 85.0#



#16
Acetone
Concen: 1.404 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.003 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

Tgt Ion: 43 Resp: 3290
Ion Ratio Lower Upper
43 100
58 36.1 27.5 41.3





#19

Methyl tert-butyl Ether

Concen: 0.222 ug/l

RT: 3.186 min Scan# 51

Delta R.T. -0.180 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

Instrument :

MSVOA_U

ClientSampleId :

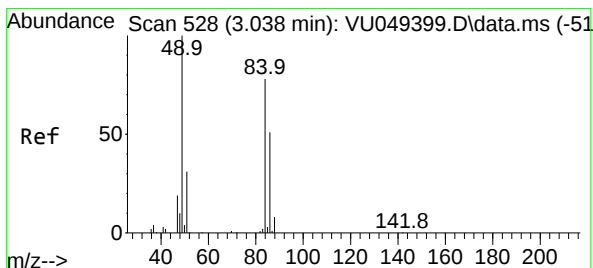
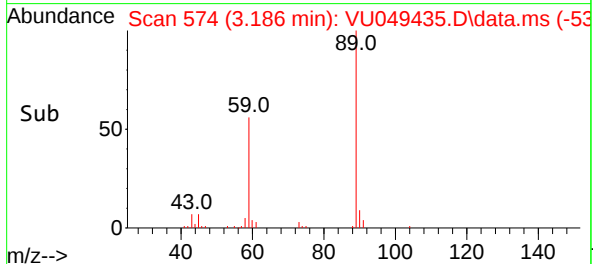
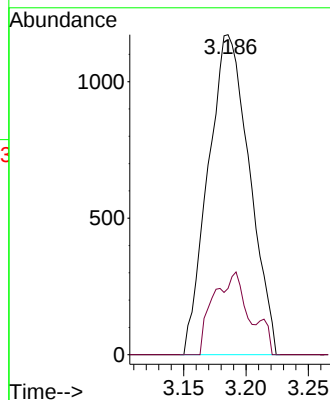
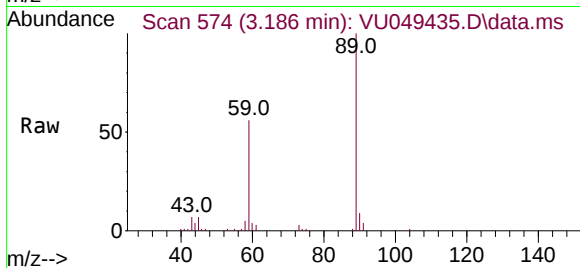
FB062122

Tgt Ion: 73 Resp: 2703

Ion Ratio Lower Upper

73 100

57 20.7 17.1 25.7



#20

Methylene Chloride

Concen: Below Cal

RT: 3.041 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

Tgt Ion: 84 Resp: 1354

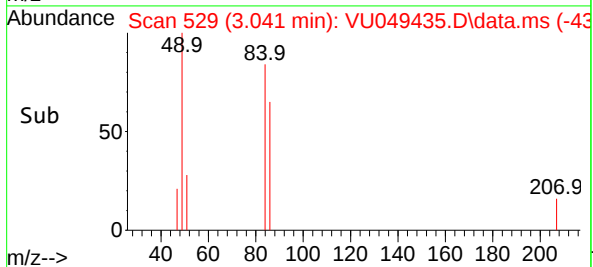
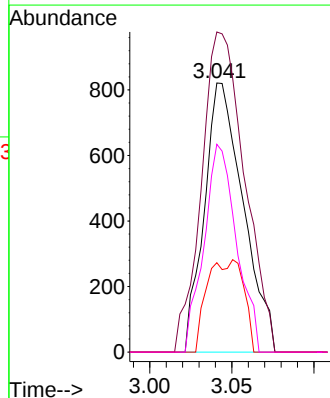
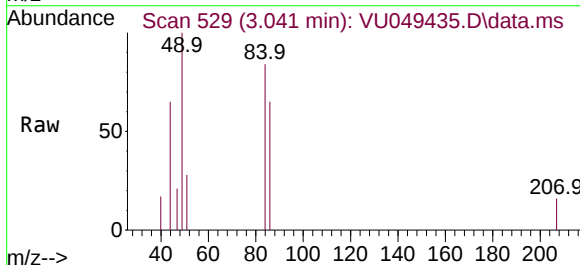
Ion Ratio Lower Upper

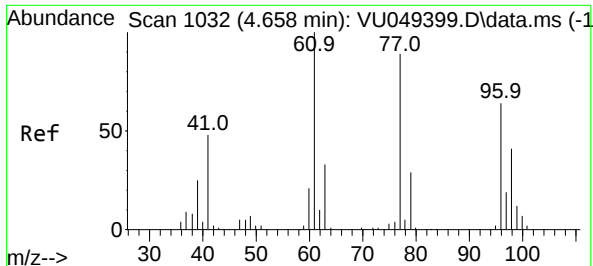
84 100

49 119.0 86.6 129.8

51 33.3 26.6 40.0

86 77.2 50.6 75.8#





#26

2,2-Dichloropropane

Concen: 0.600 ug/l

RT: 4.632 min Scan# 1032

Delta R.T. -0.026 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

Instrument :

MSVOA_U

ClientSampleId :

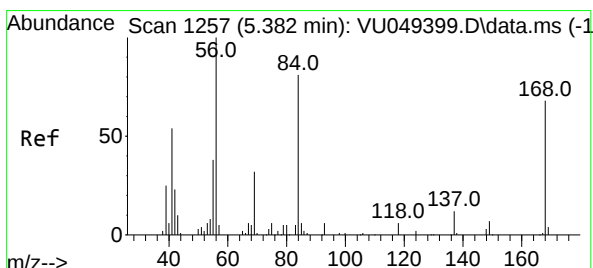
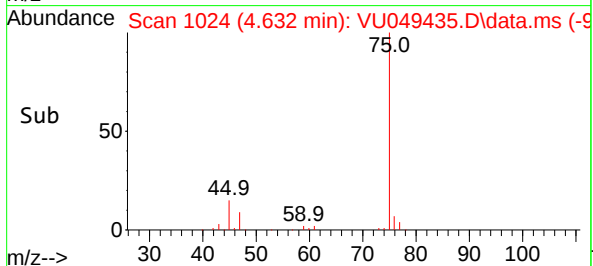
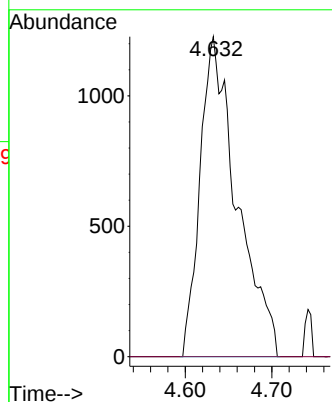
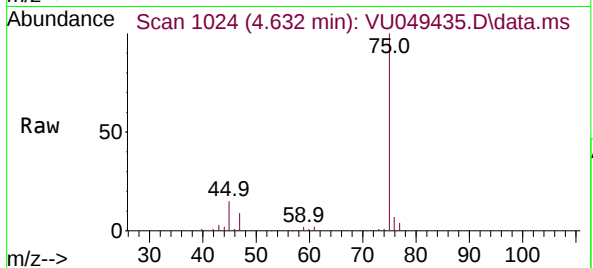
FB062122

Tgt Ion: 77 Resp: 3625

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.855 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

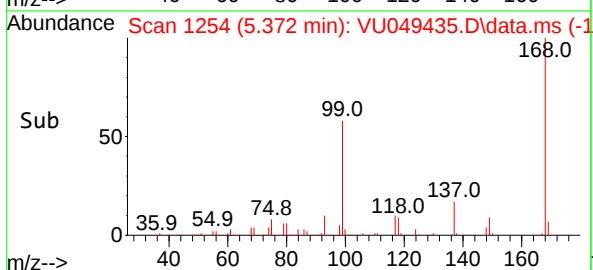
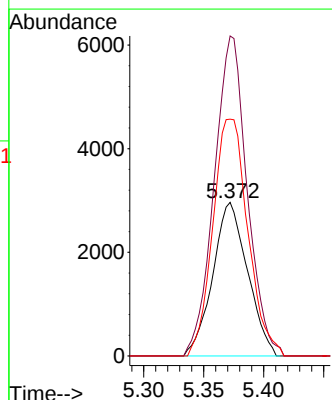
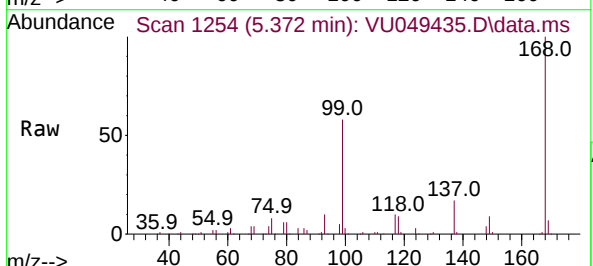
Tgt Ion: 56 Resp: 5965

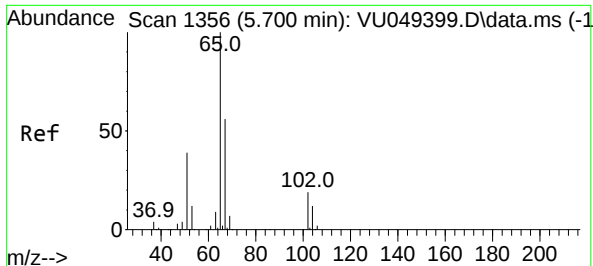
Ion Ratio Lower Upper

56 100

69 208.3 27.8 41.8#

84 154.1 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.698 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

Instrument :

MSVOA_U

ClientSampleId :

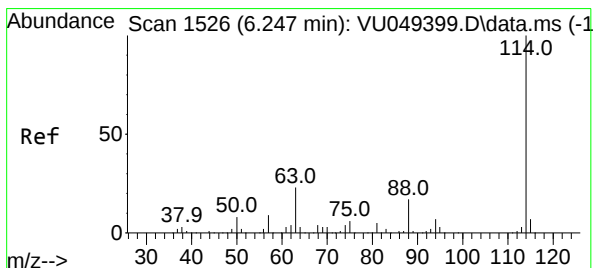
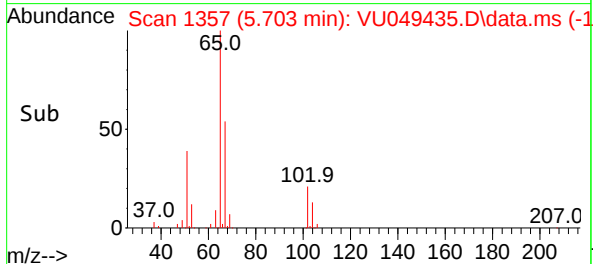
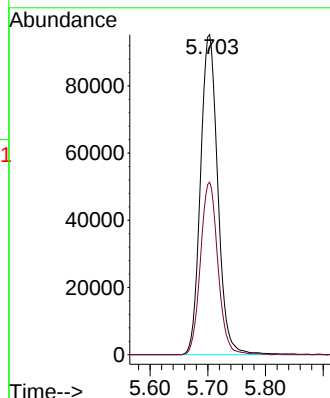
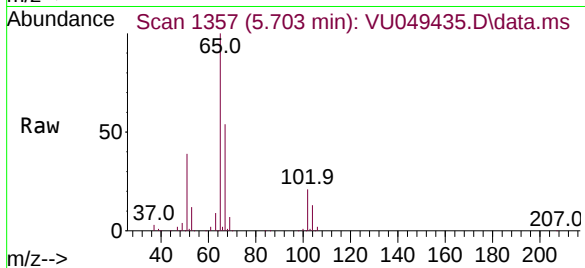
FB062122

Tgt Ion: 65 Resp: 198379

Ion Ratio Lower Upper

65 100

67 54.2 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: VU049435.D

Acq: 28 Jun 2022 04:38

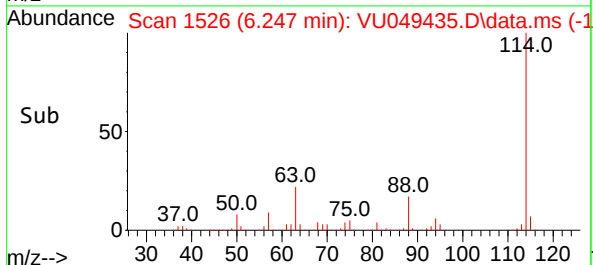
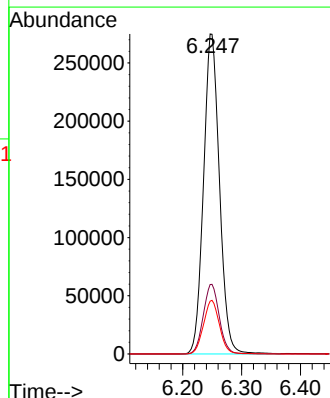
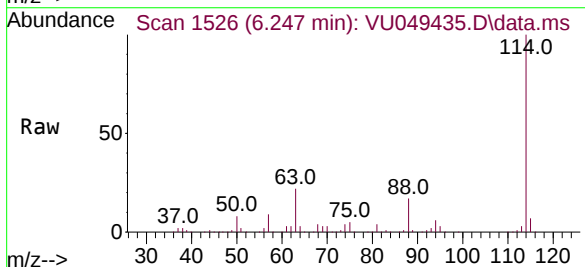
Tgt Ion: 114 Resp: 517229

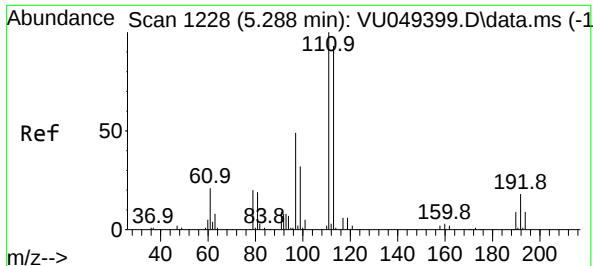
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.5 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.683 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

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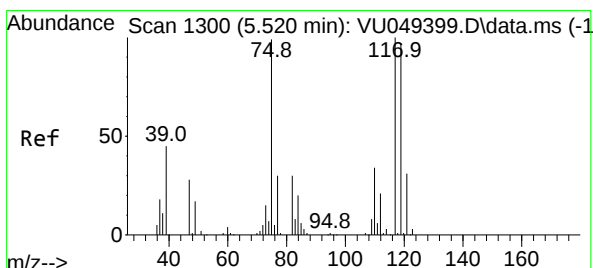
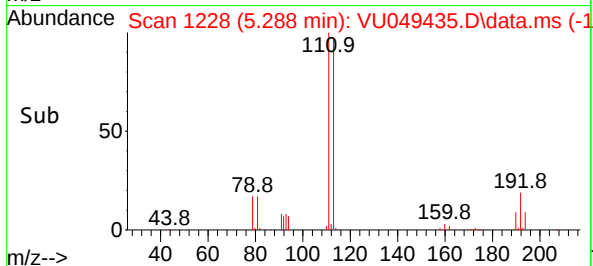
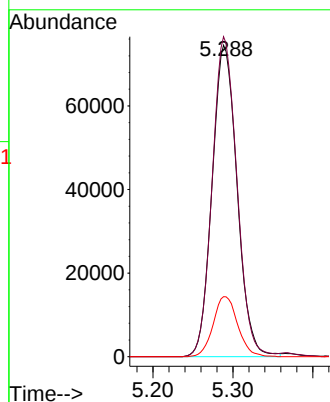
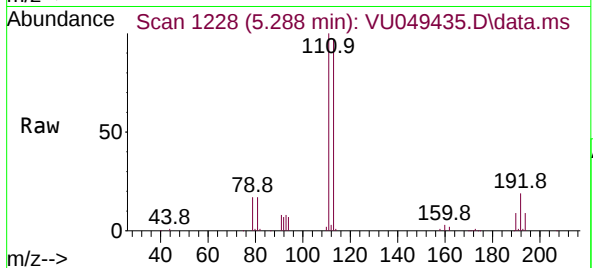
Tgt Ion:113 Resp: 161694

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 19.0 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049435.D

Acq: 28 Jun 2022 04:38

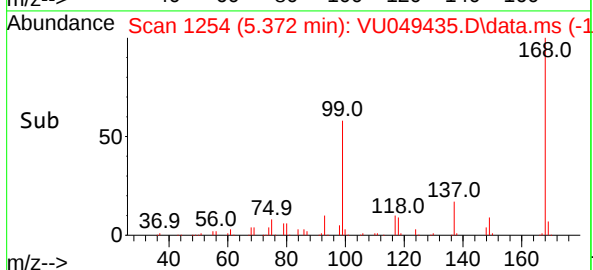
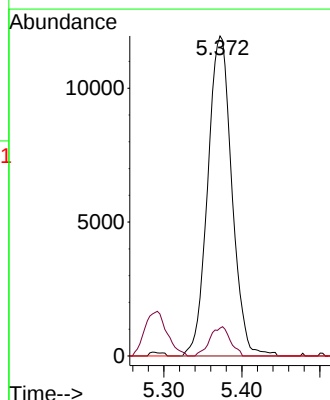
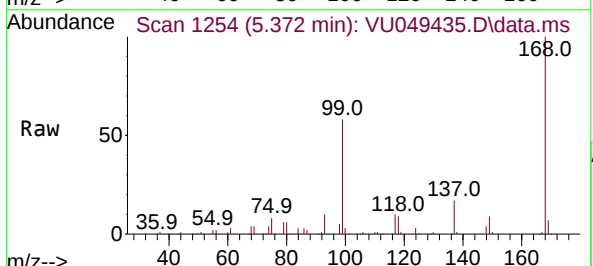
Tgt Ion: 75 Resp: 25680

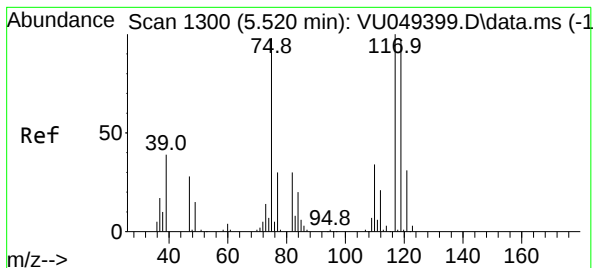
Ion Ratio Lower Upper

75 100

110 7.7 18.4 55.2#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.752 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049435.D

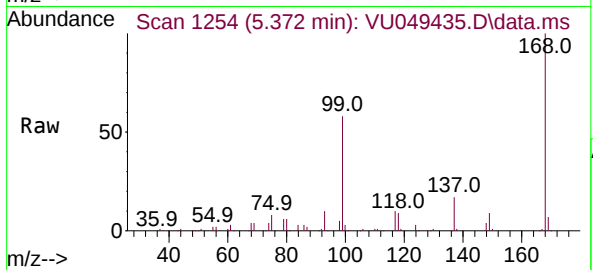
Acq: 28 Jun 2022 04:38

Instrument :

MSVOA_U

ClientSampleId :

FB062122



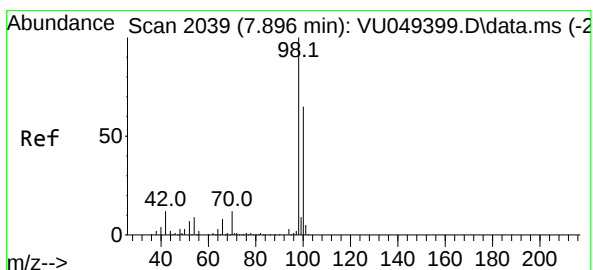
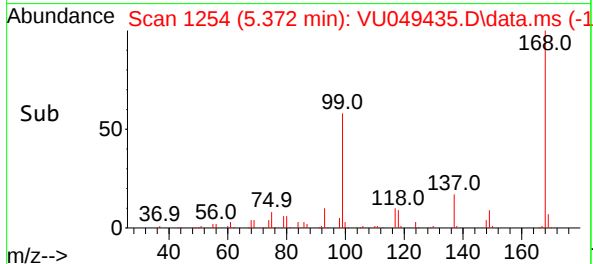
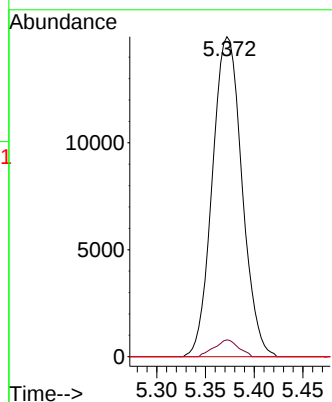
Tgt Ion:117 Resp: 31653

Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 47.459 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. -0.000 min

Lab File: VU049435.D

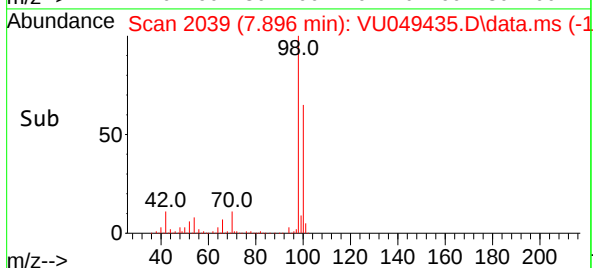
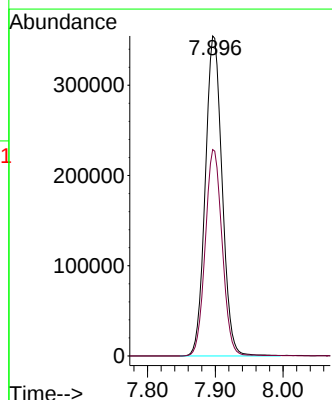
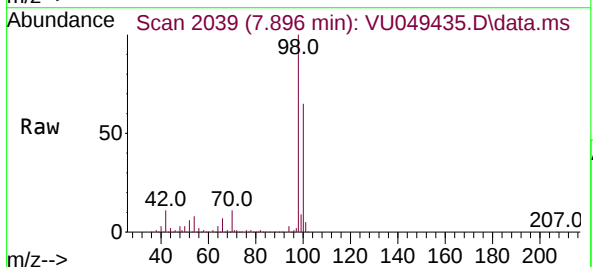
Acq: 28 Jun 2022 04:38

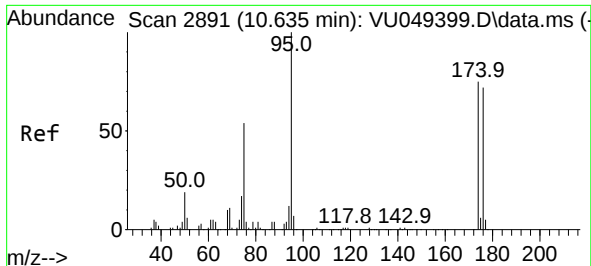
Tgt Ion: 98 Resp: 612550

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

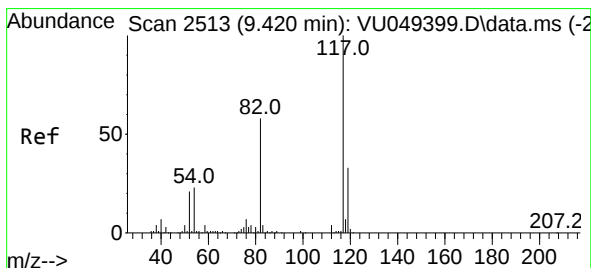
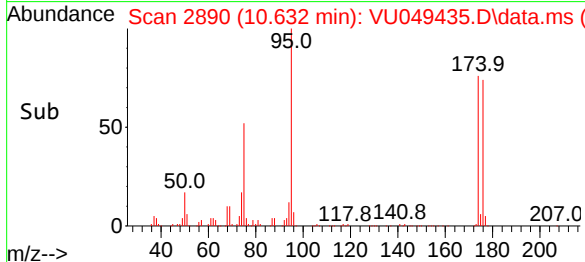
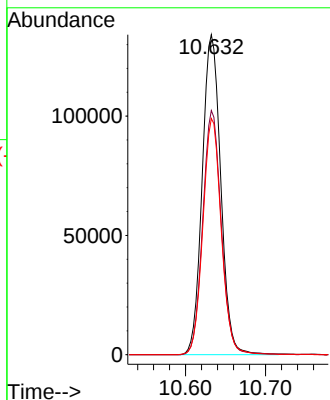
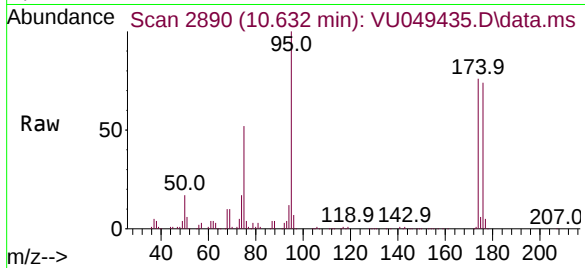




#62
4-Bromofluorobenzene
Concen: 43.867 ug/l
RT: 10.632 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

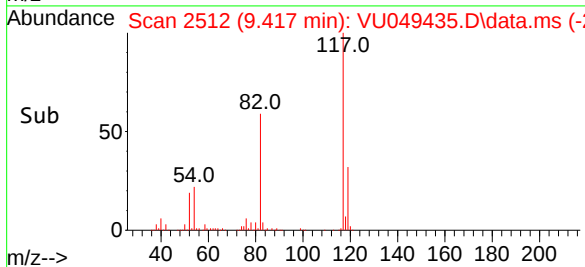
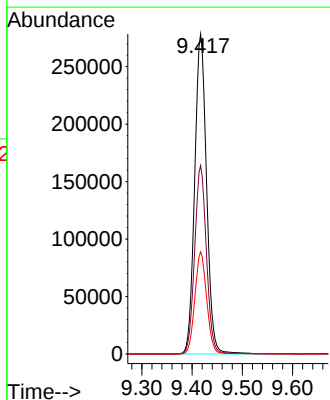
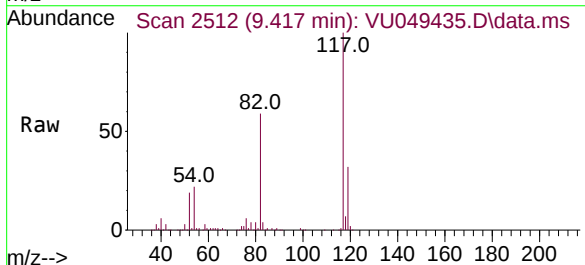
Instrument :
MSVOA_U
ClientSampleId :
FB062122

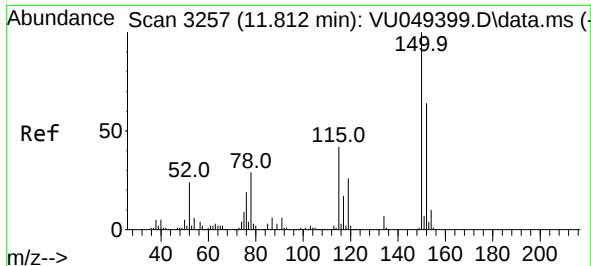
Tgt Ion: 95 Resp: 216888
Ion Ratio Lower Upper
95 100
174 76.1 0.0 182.0
176 73.2 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

Tgt Ion: 117 Resp: 456972
Ion Ratio Lower Upper
117 100
82 58.9 41.7 62.5
119 31.9 25.7 38.5

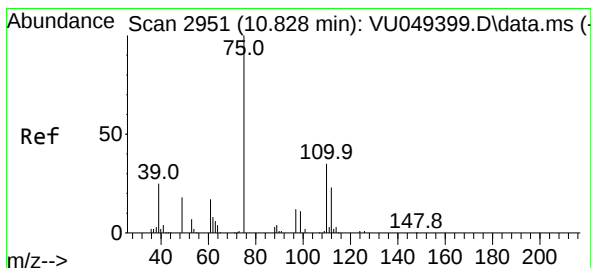
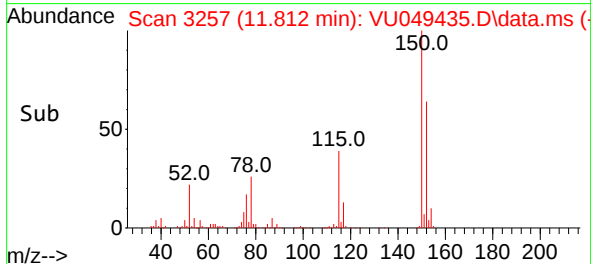
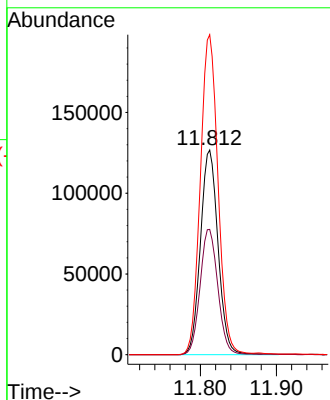
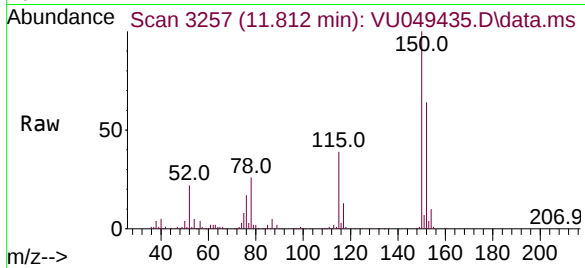




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

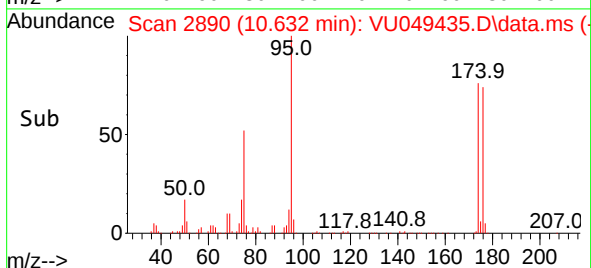
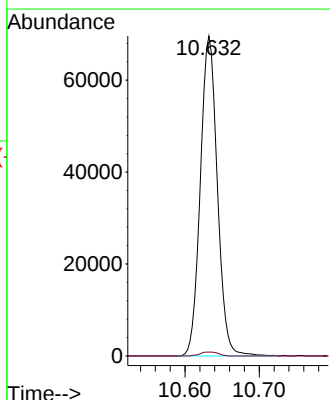
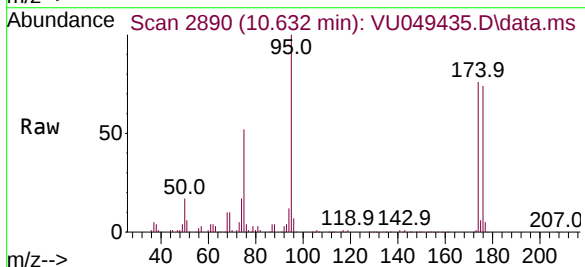
Instrument :
MSVOA_U
ClientSampleId :
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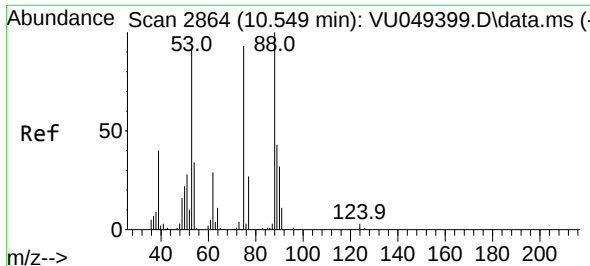
Tgt Ion:152 Resp: 203490
Ion Ratio Lower Upper
152 100
115 61.7 37.0 110.9
150 156.7 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 16.059 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

Tgt Ion: 75 Resp: 110778
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#

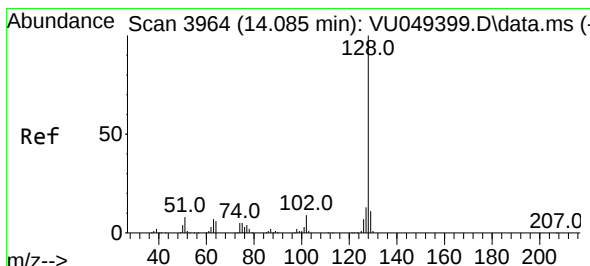
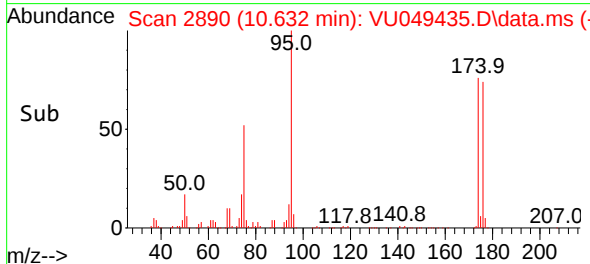
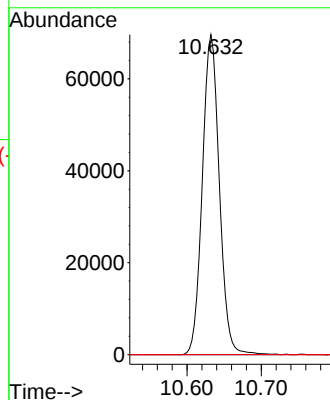
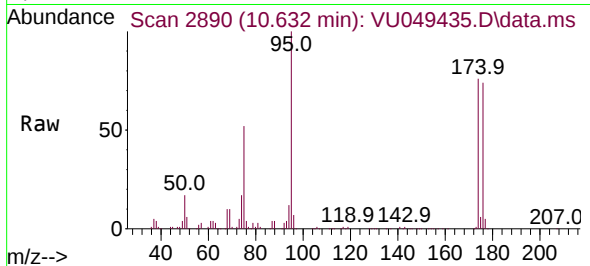




#81
trans-1,4-Dichloro-2-butene
Concen: 59.304 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

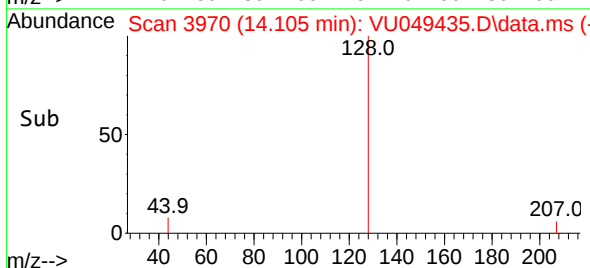
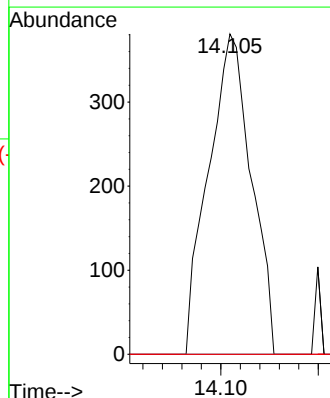
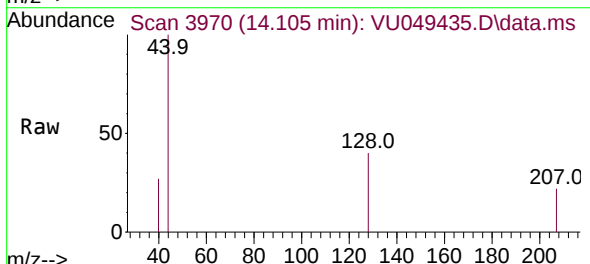
Instrument :
MSVOA_U
ClientSampleId :
FB062122

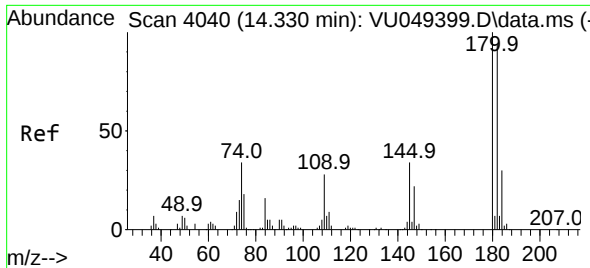
Tgt Ion: 75 Resp: 110778
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.771 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU049435.D
Acq: 28 Jun 2022 04:38

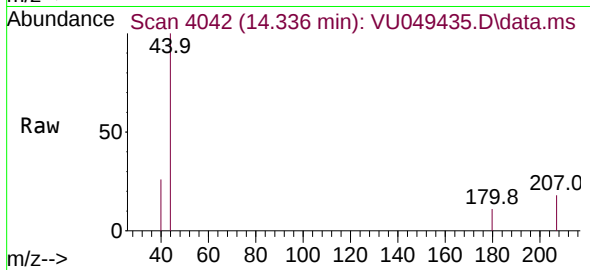
Tgt Ion: 128 Resp: 582
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.181 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.006 min
 Lab File: VU049435.D
 Acq: 28 Jun 2022 04:38

Instrument :
 MSVOA_U
 ClientSampleId :
 FB062122



Tgt Ion:180 Resp: 21
 Ion Ratio Lower Upper
 180 100
 182 200.0 48.4 145.0#
 145 0.0 14.8 44.4#

