

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049460.D
 Acq On : 28 Jun 2022 15:57
 Operator : SY/MD
 Sample : N3458-10 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20220622DL

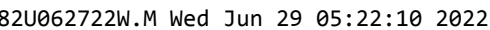
Quant Time: Jun 29 05:22:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

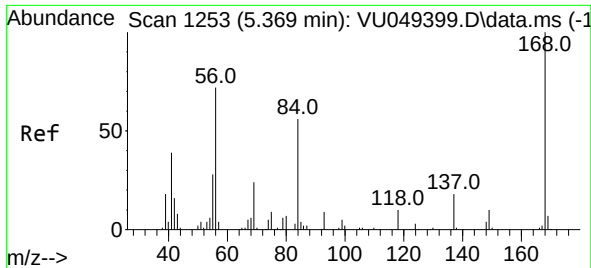
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	309760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	537600	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	485137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	226976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	203661	42.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.380%		
35) Dibromofluoromethane	5.289	113	166185	44.184	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.360%		
50) Toluene-d8	7.896	98	647893	48.296	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.600%		
62) 4-Bromofluorobenzene	10.632	95	238461	46.403	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.800%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	1970	Below Cal		96
5) Bromomethane	1.851	94	343	0.220 ug/l	#	61
6) Chloroethane	1.900	64	102	1.958 ug/l	#	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	5196	1.512 ug/l	#	94
11) Tert butyl alcohol	3.186	59	22386	20.049 ug/l	#	39
12) 1,1-Dichloroethene	2.584	96	826	0.246 ug/l	#	84
16) Acetone	2.639	43	2367	0.984 ug/l	#	82
20) Methylene Chloride	3.047	84	2031	Below Cal	#	84
26) 2,2-Dichloropropane	4.639	77	1669	0.269 ug/l	#	52
27) cis-1,2-Dichloroethene	4.671	96	1084	0.259 ug/l		47
29) Tetrahydrofuran	5.067	42	514	0.208 ug/l	#	47
31) Cyclohexane	5.372	56	6420	0.896 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	25446	4.666 ug/l	#	47
38) Carbon Tetrachloride	5.372	117	30923	5.407 ug/l	#	15
39) Methylcyclohexane	6.546	83	2412	0.369 ug/l	#	1
44) Trichloroethene	6.542	130	191386	48.895 ug/l		87
60) Dibromochloromethane	8.549	129	1318	0.313 ug/l	#	11
64) Tetrachloroethene	8.552	164	1466	0.471 ug/l		87
76) 1,2,3-Trichloropropane	10.632	75	117779	15.307 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	117779	56.528 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.851	180	133	1.779 ug/l	#	46
95) Naphthalene	14.095	128	1654	1.826 ug/l	#	72
96) 1,2,3-Trichlorobenzene	14.327	180	161	1.207 ug/l	#	7

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
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Response via : Initial Calibration

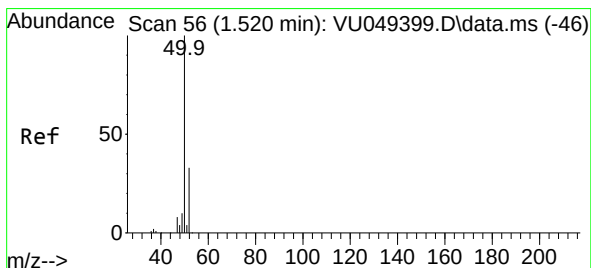
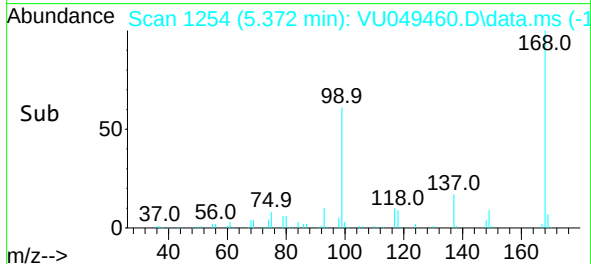
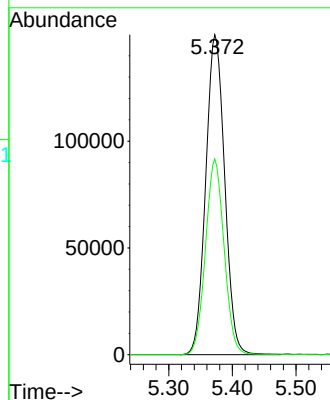
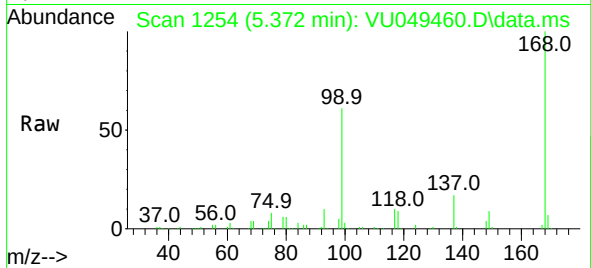




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

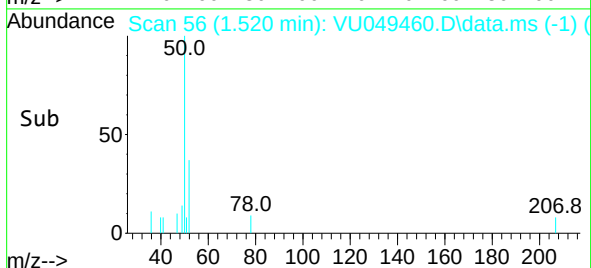
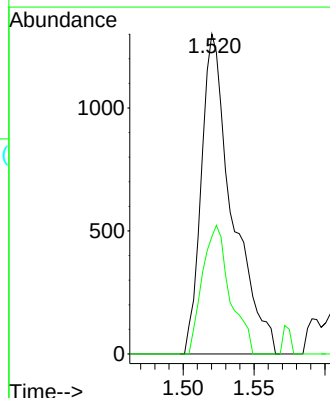
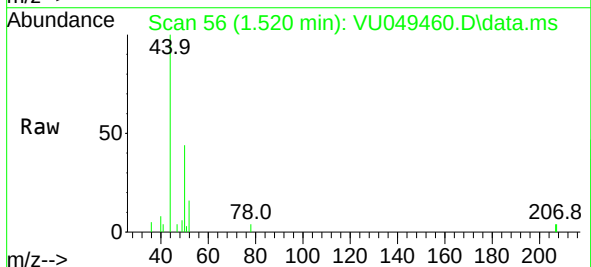
Instrument :
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RE120D2-20220622DL

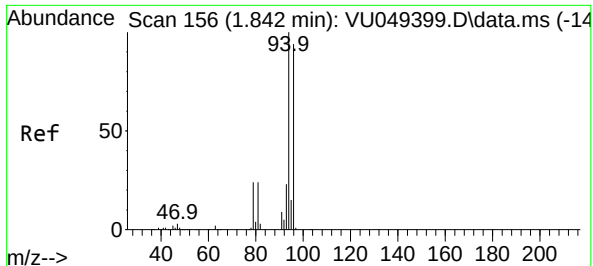
Tgt Ion:168 Resp: 309760
Ion Ratio Lower Upper
168 100
99 61.2 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 50 Resp: 1970
Ion Ratio Lower Upper
50 100
52 36.7 27.4 41.2

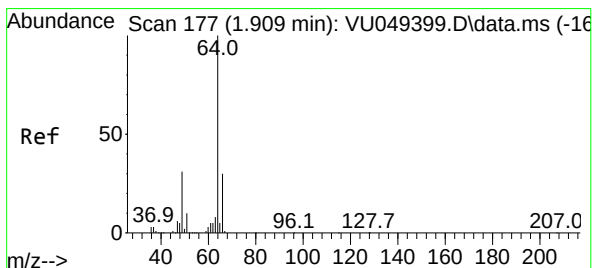
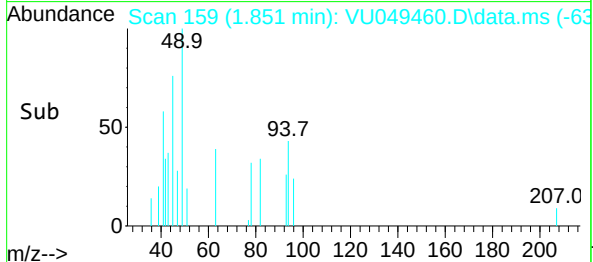
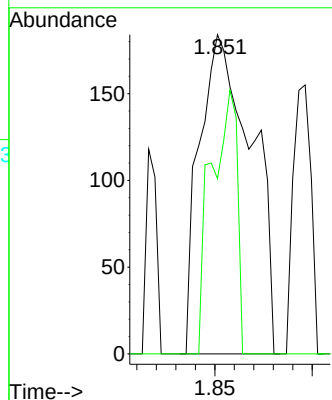
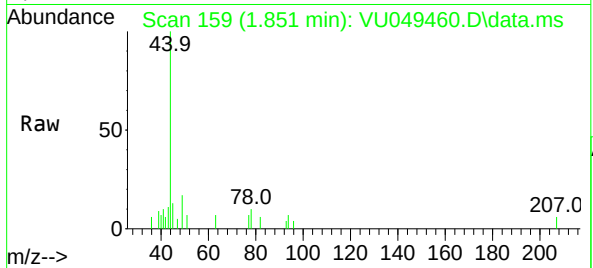




#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.851 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

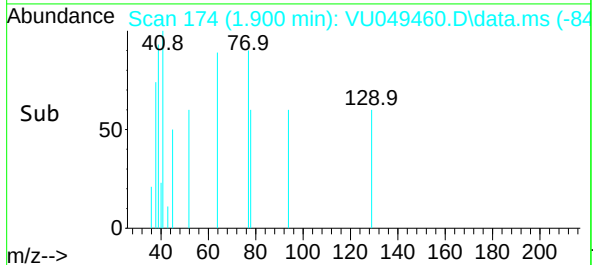
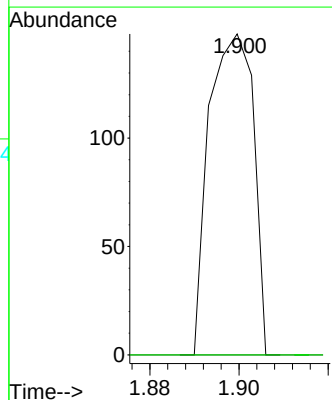
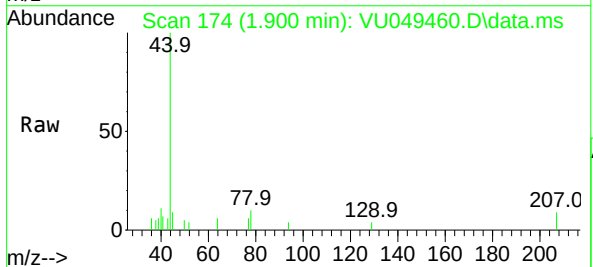
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

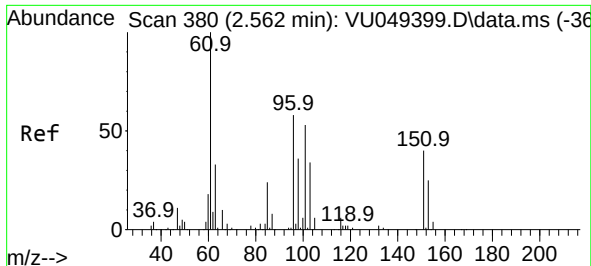
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 54.9 73.7 110.5#



#6
Chloroethane
Concen: 1.958 ug/l
RT: 1.900 min Scan# 174
Delta R.T. -0.010 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

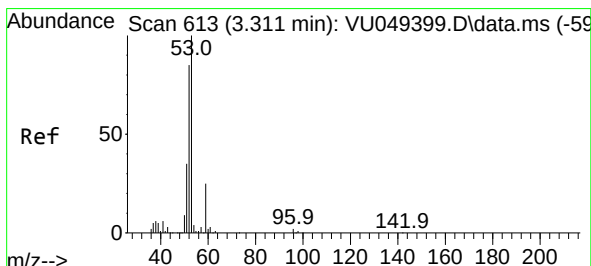
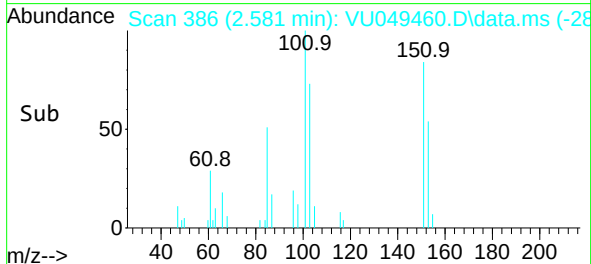
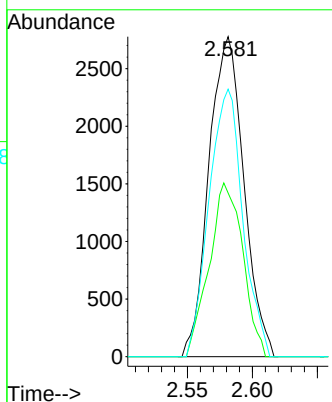
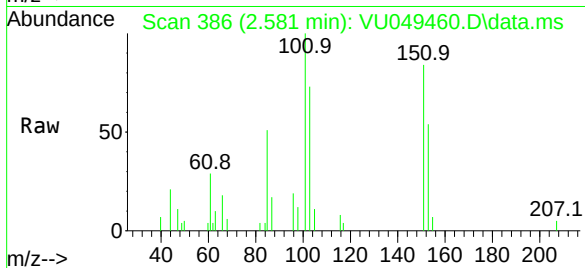




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.512 ug/l
RT: 2.581 min Scan# 31
Delta R.T. 0.019 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

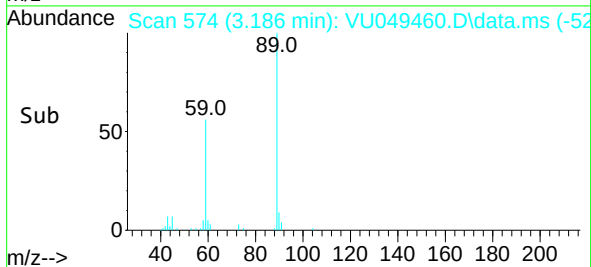
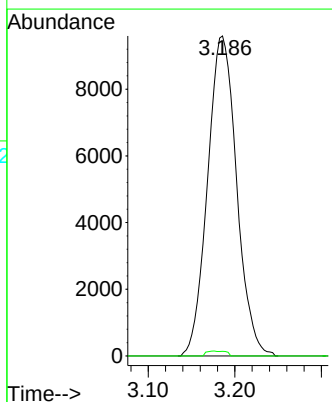
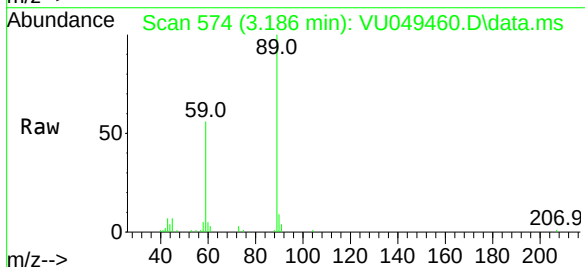
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

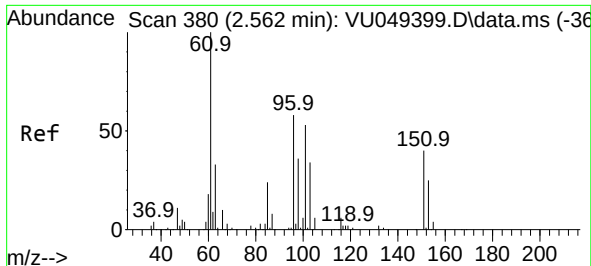
Tgt Ion:101 Resp: 5196
Ion Ratio Lower Upper
101 100
85 52.2 33.9 50.9#
151 80.7 64.0 96.0



#11
Tert butyl alcohol
Concen: 20.049 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 59 Resp: 22386
Ion Ratio Lower Upper
59 100
57 1.0 30.6 45.8#





#12

1,1-Dichloroethene

Concen: 0.246 ug/l

RT: 2.584 min Scan# 31

Delta R.T. 0.023 min

Lab File: VU049460.D

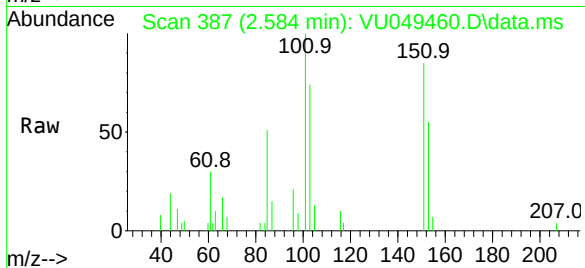
Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL



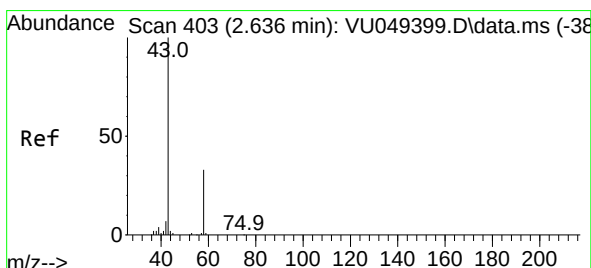
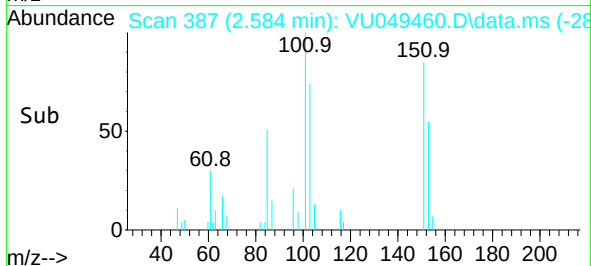
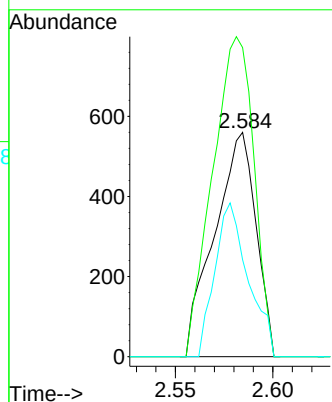
Tgt Ion: 96 Resp: 826

Ion Ratio Lower Upper

96 100

61 137.9 122.2 183.2

98 43.2 50.7 76.1#



#16

Acetone

Concen: 0.984 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.003 min

Lab File: VU049460.D

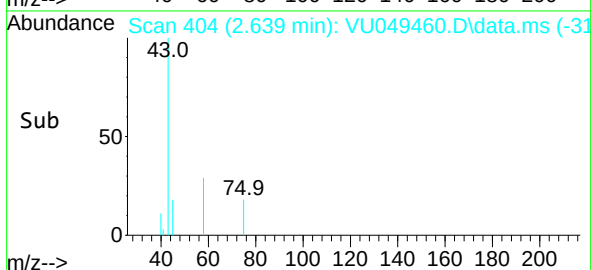
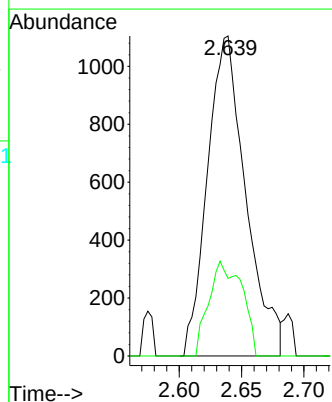
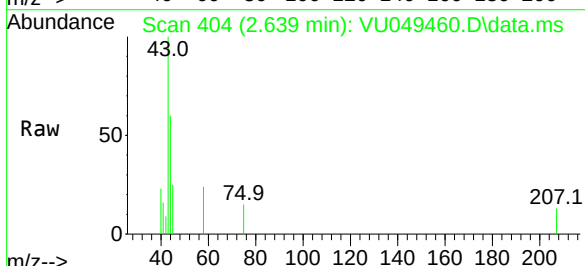
Acq: 28 Jun 2022 15:57

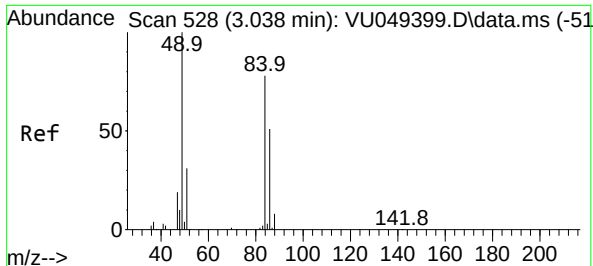
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

58 24.3 27.5 41.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 3.047 min Scan# 51

Delta R.T. 0.010 min

Lab File: VU049460.D

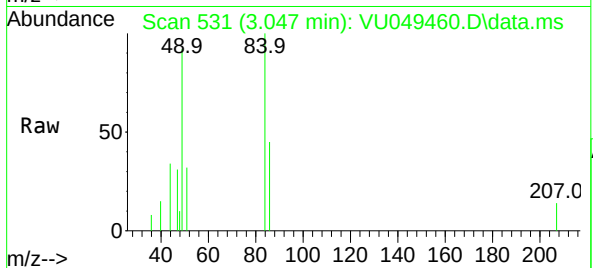
Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL



Tgt Ion: 84 Resp: 2031

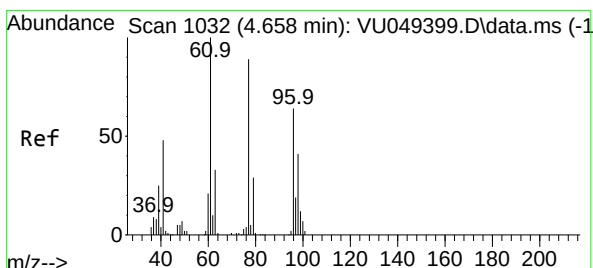
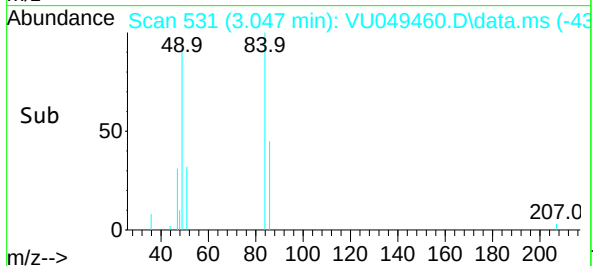
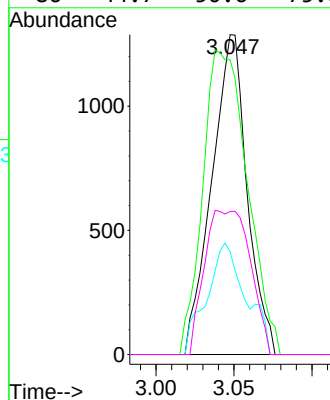
Ion Ratio Lower Upper

84 100

49 92.2 86.6 129.8

51 32.1 26.6 40.0

86 44.7 50.6 75.8#



#26

2,2-Dichloropropane

Concen: 0.269 ug/l

RT: 4.639 min Scan# 1026

Delta R.T. -0.019 min

Lab File: VU049460.D

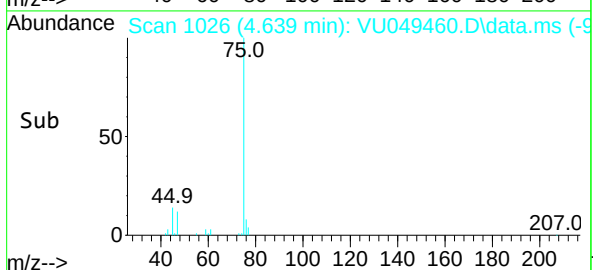
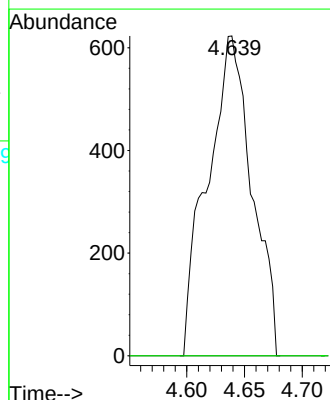
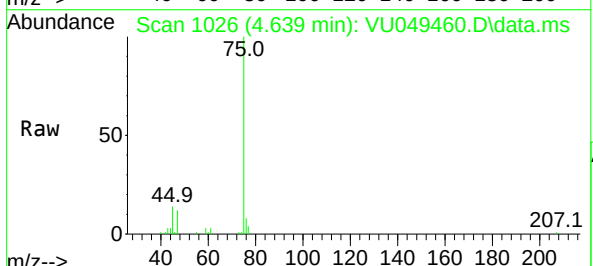
Acq: 28 Jun 2022 15:57

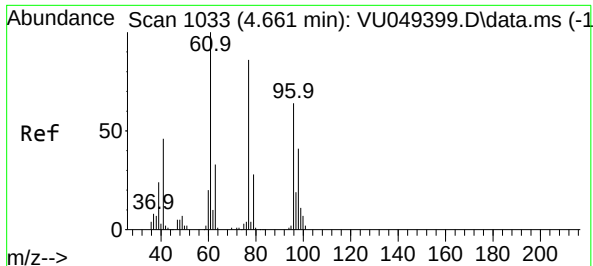
Tgt Ion: 77 Resp: 1669

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#





#27

cis-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL

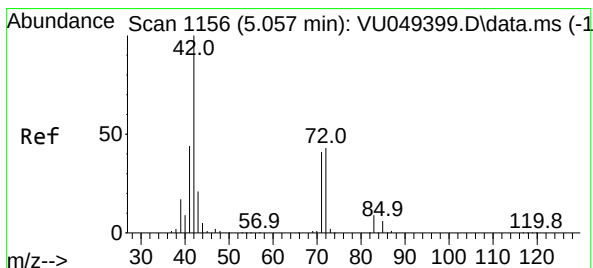
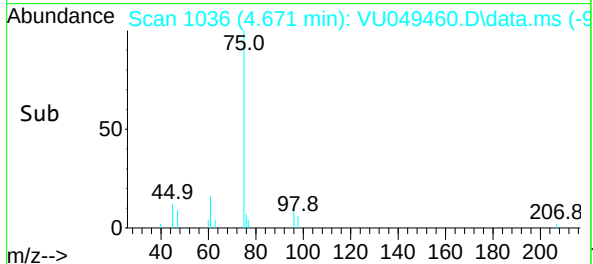
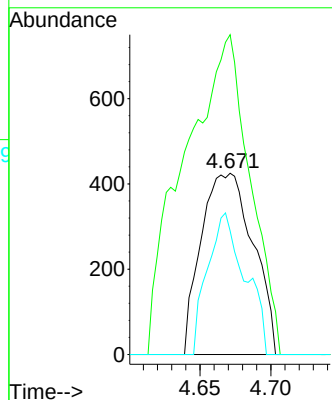
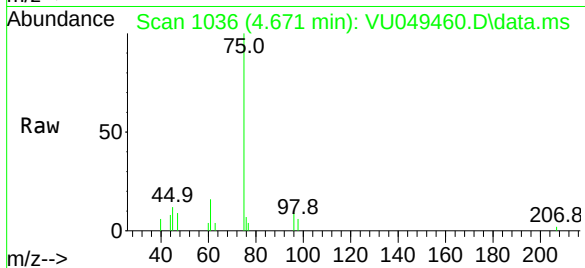
Tgt Ion: 96 Resp: 1084

Ion Ratio Lower Upper

96 100

61 222.8 0.0 271.6

98 56.3 0.0 128.2



#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.010 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

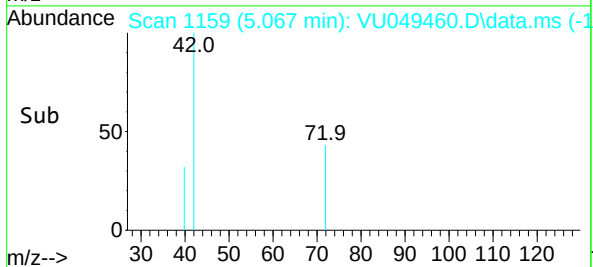
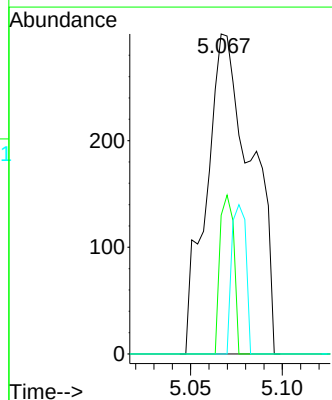
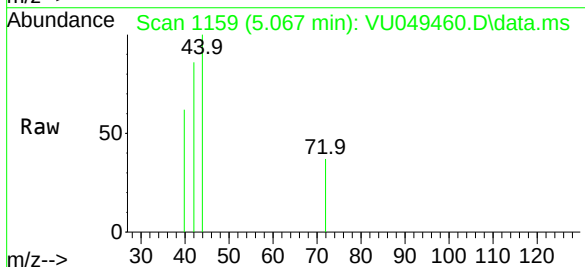
Tgt Ion: 42 Resp: 514

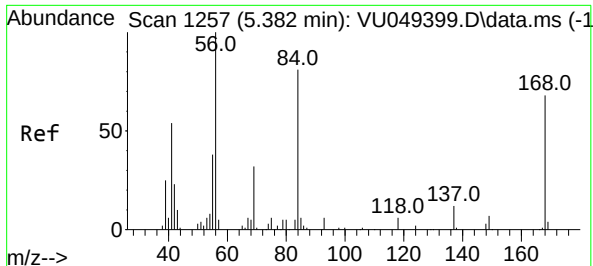
Ion Ratio Lower Upper

42 100

72 15.2 42.6 63.8#

71 14.6 40.3 60.5#

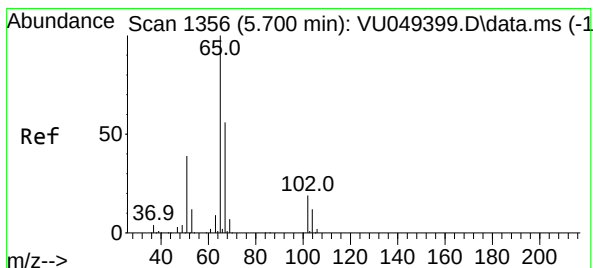
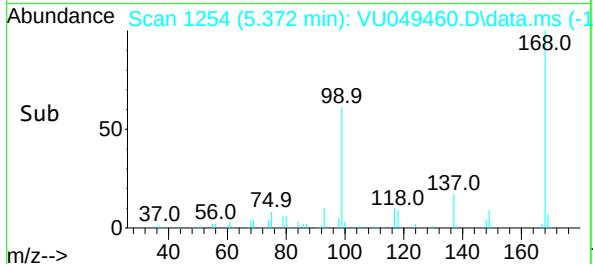
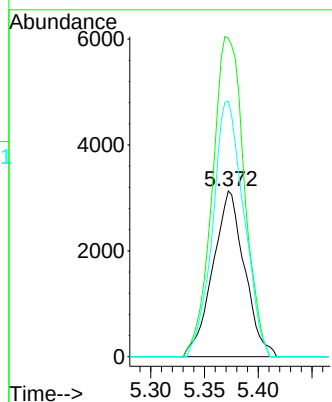
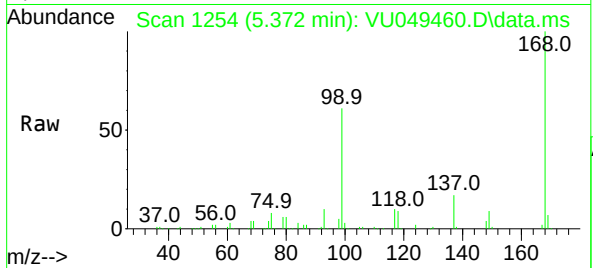




#31
Cyclohexane
Concen: 0.896 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

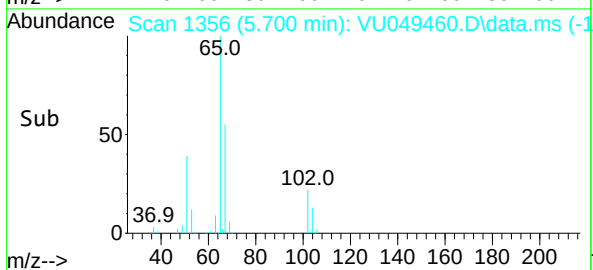
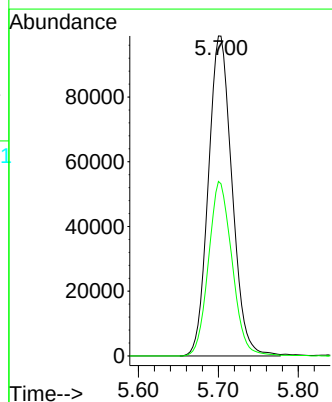
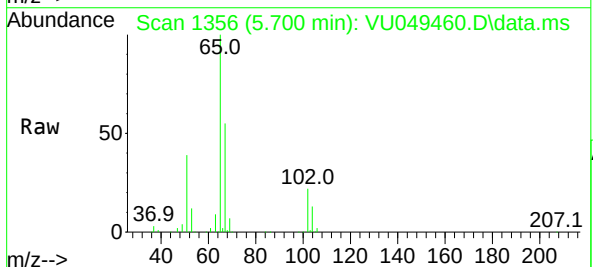
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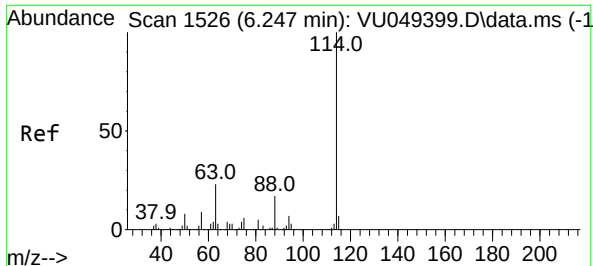
Tgt Ion: 56 Resp: 6420
Ion Ratio Lower Upper
56 100
69 192.1 27.8 41.8#
84 154.1 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 42.692 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 65 Resp: 203661
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL

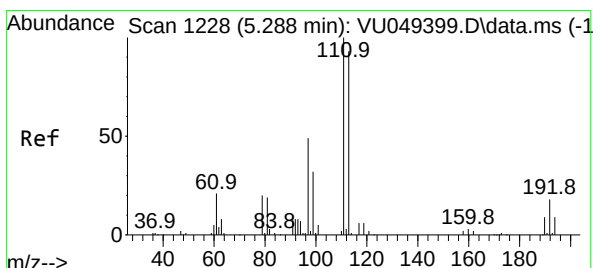
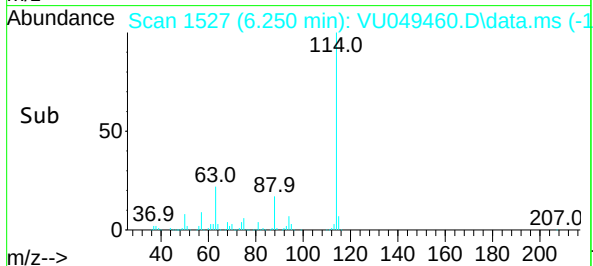
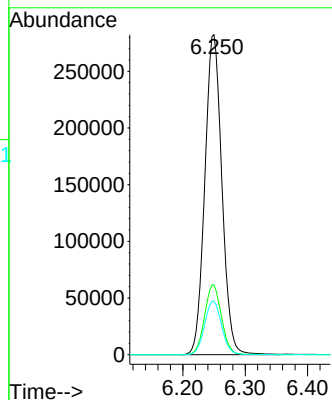
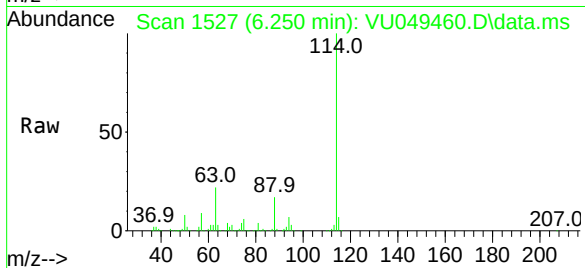
Tgt Ion:114 Resp: 537600

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.184 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

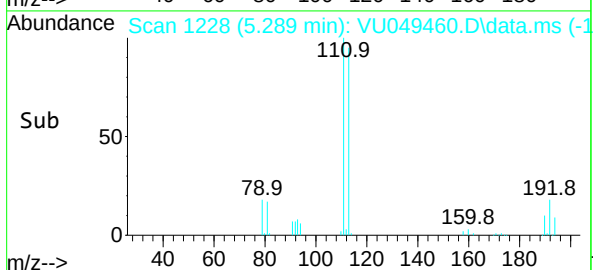
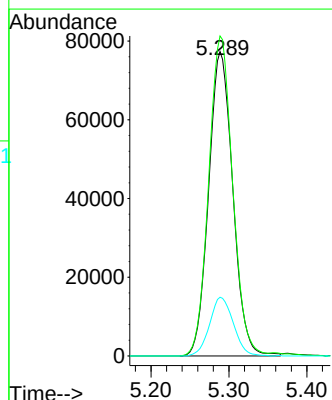
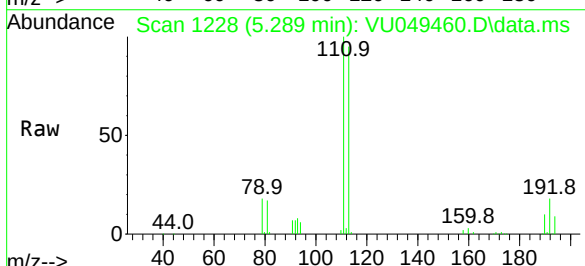
Tgt Ion:113 Resp: 166185

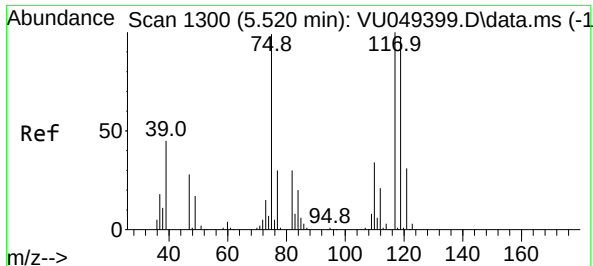
Ion Ratio Lower Upper

113 100

111 104.3 82.1 123.1

192 19.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL

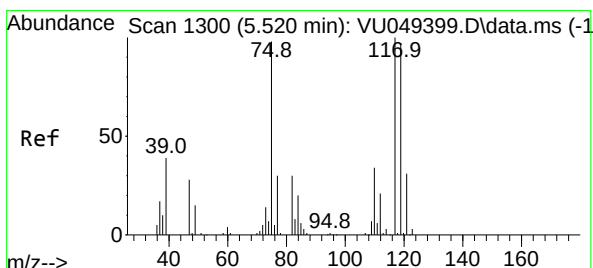
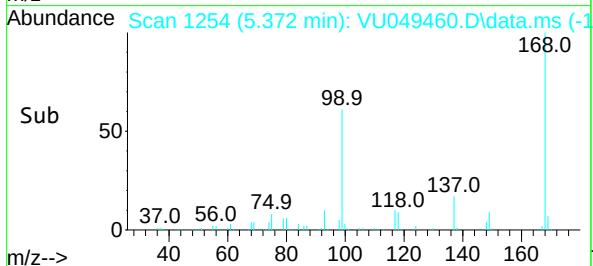
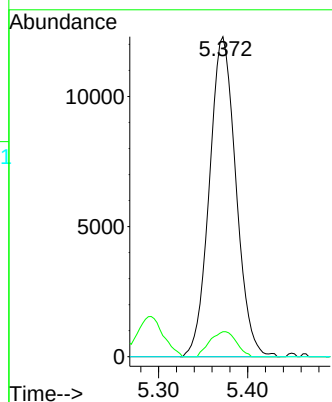
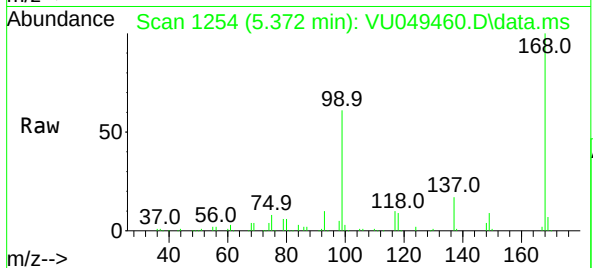
Tgt Ion: 75 Resp: 25446

Ion Ratio Lower Upper

75 100

110 7.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.407 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

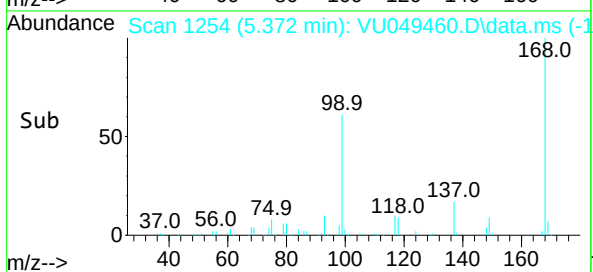
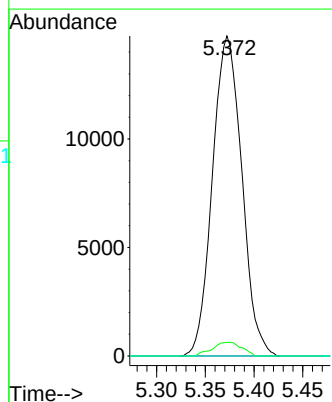
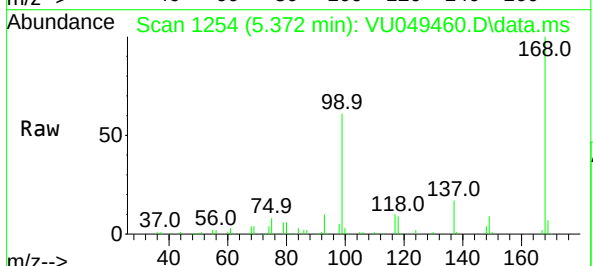
Tgt Ion: 117 Resp: 30923

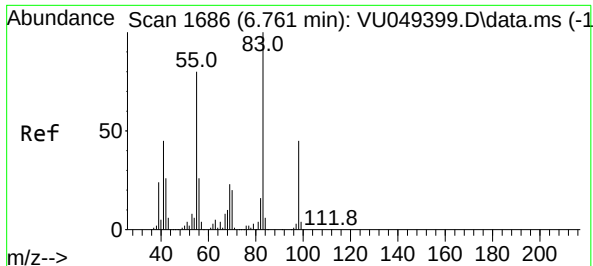
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 0.369 ug/l

RT: 6.546 min Scan# 1

Delta R.T. -0.215 min

Lab File: VU049460.D

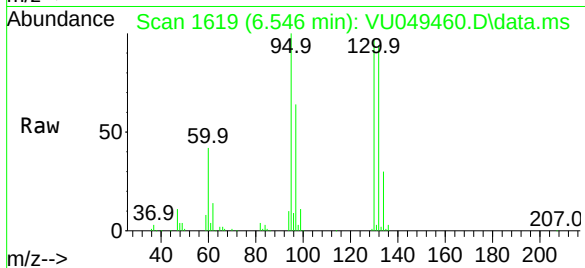
Acq: 28 Jun 2022 15:57

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622DL



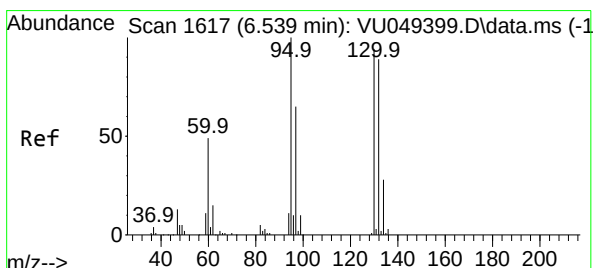
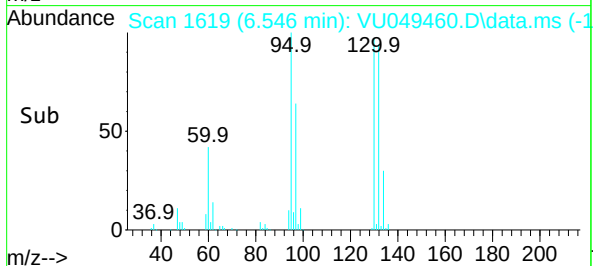
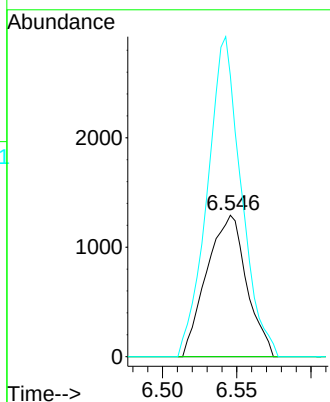
Tgt Ion: 83 Resp: 2412

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 198.8 37.3 55.9#



#44

Trichloroethene

Concen: 48.895 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049460.D

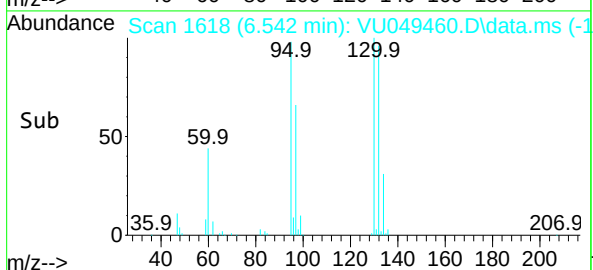
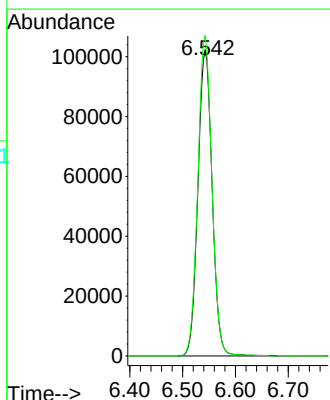
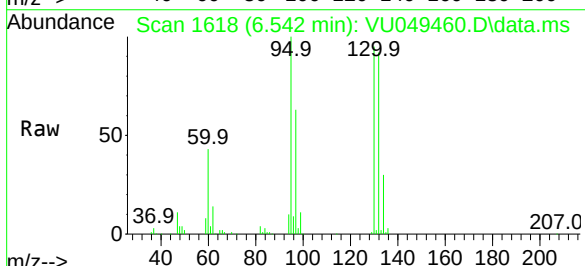
Acq: 28 Jun 2022 15:57

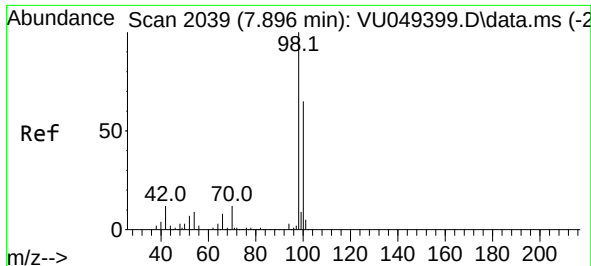
Tgt Ion:130 Resp: 191386

Ion Ratio Lower Upper

130 100

95 104.7 0.0 184.6

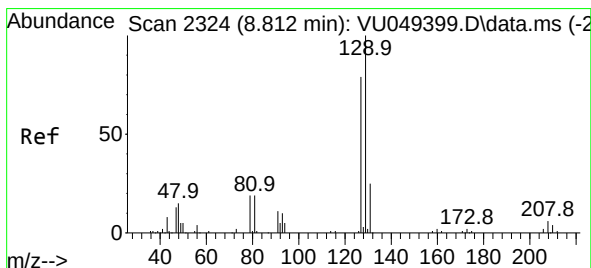
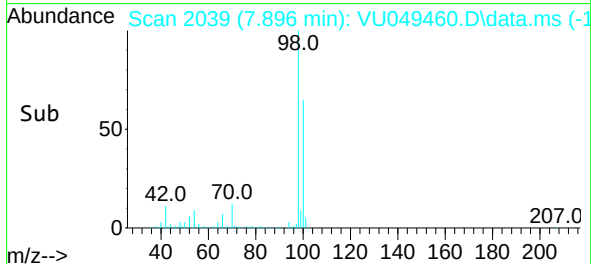
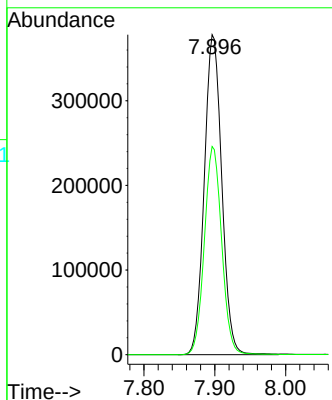
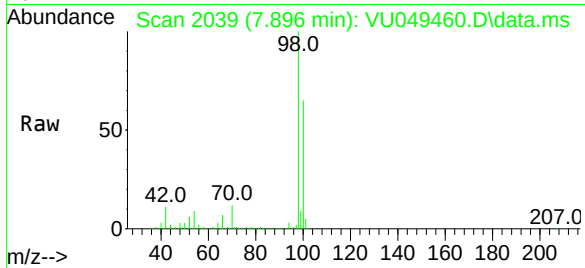




#50
Toluene-d8
Concen: 48.296 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

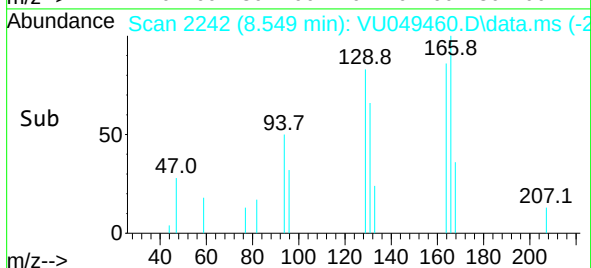
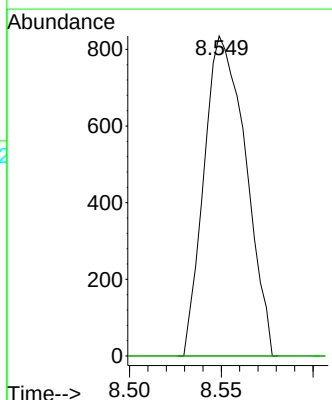
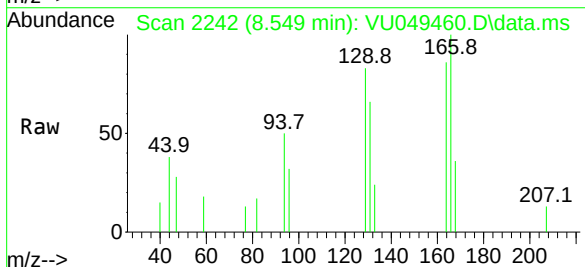
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

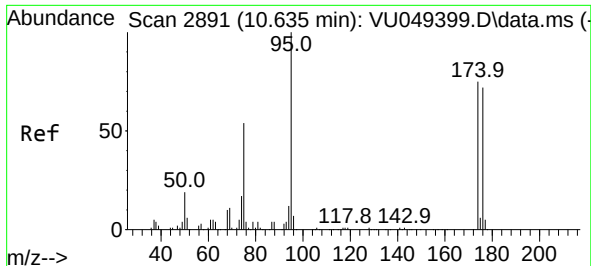
Tgt Ion: 98 Resp: 647893
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#60
Dibromochloromethane
Concen: 0.313 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.264 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 129 Resp: 1318
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

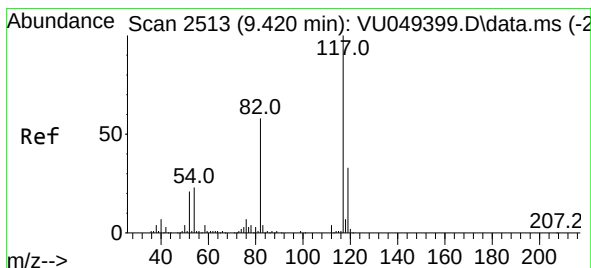
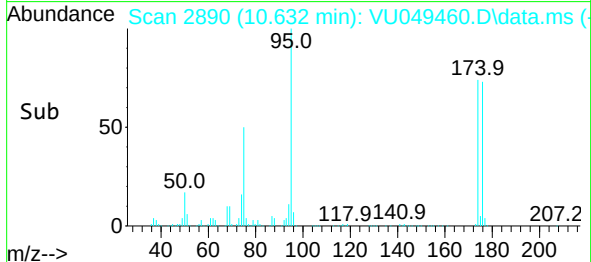
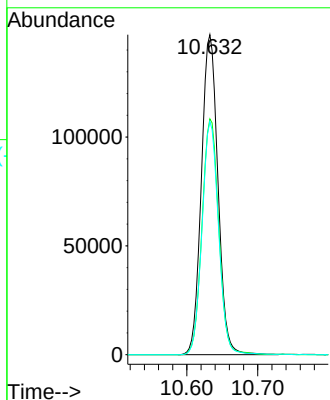
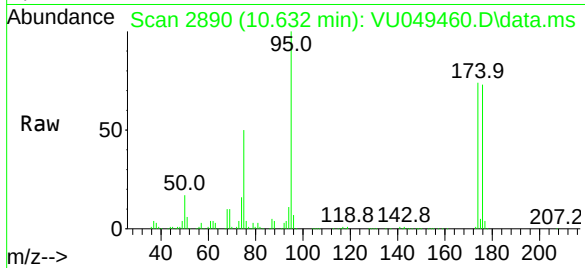




#62
4-Bromofluorobenzene
Concen: 46.403 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

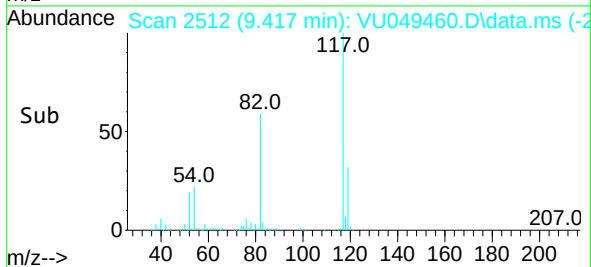
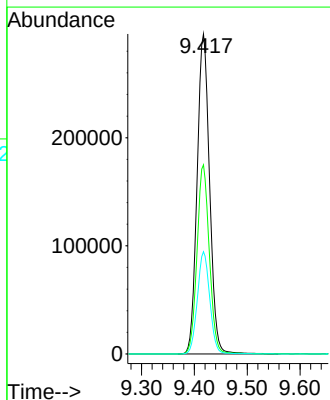
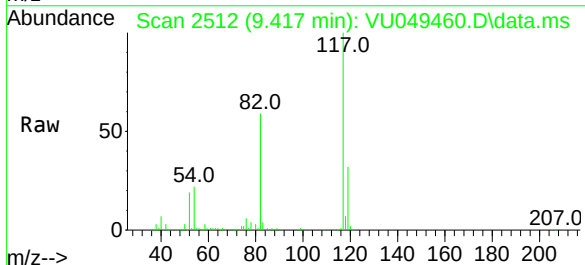
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

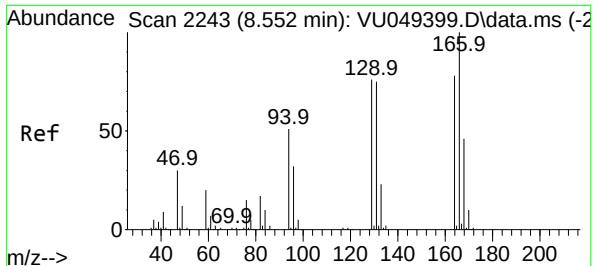
Tgt Ion: 95 Resp: 238461
Ion Ratio Lower Upper
95 100
174 74.4 0.0 182.0
176 72.6 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

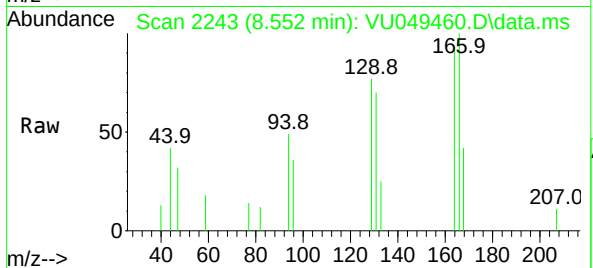
Tgt Ion: 117 Resp: 485137
Ion Ratio Lower Upper
117 100
82 59.1 41.7 62.5
119 32.0 25.7 38.5



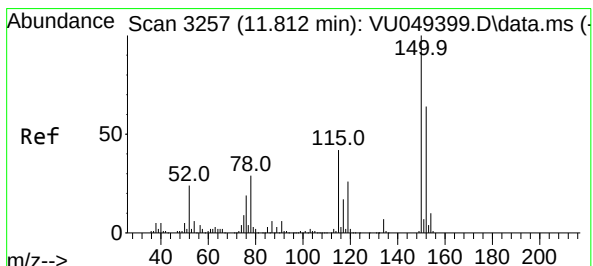
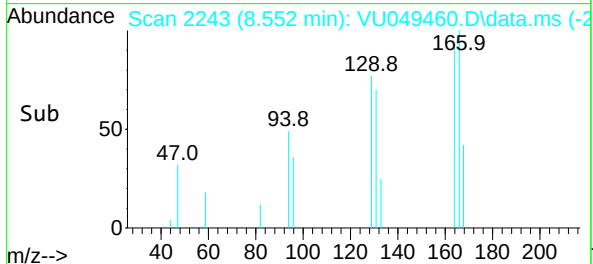
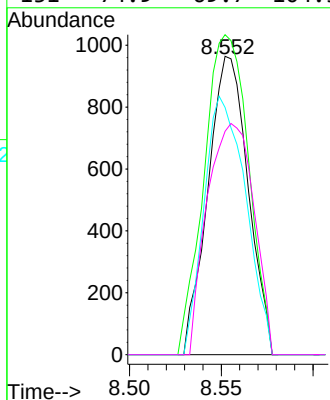


#64
Tetrachloroethene
Concen: 0.471 ug/l
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

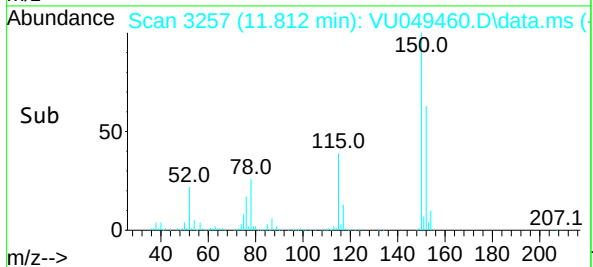
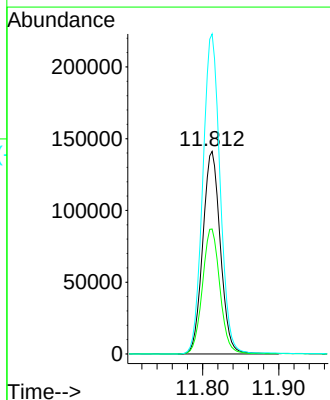
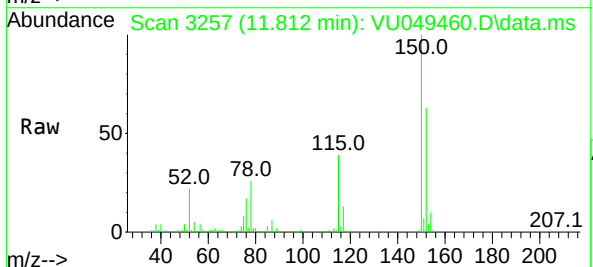


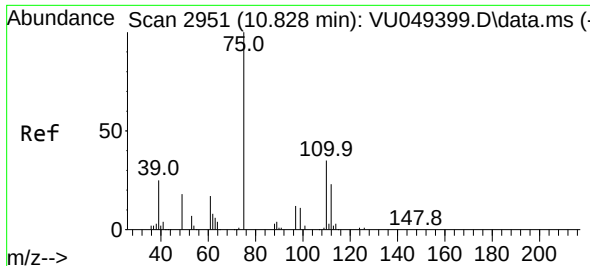
Tgt Ion:	164	Resp:	1466
Ion	Ratio	Lower	Upper
164	100		
166	107.3	100.0	150.0
129	82.9	72.0	108.0
131	74.9	69.7	104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion:	152	Resp:	226976
Ion	Ratio	Lower	Upper
152	100		
115	61.2	37.0	110.9
150	155.0	0.0	342.2

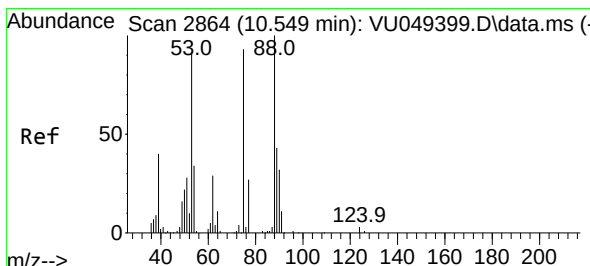
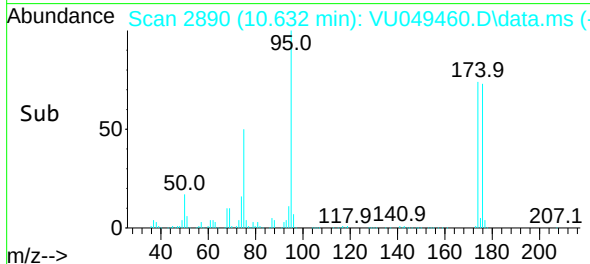
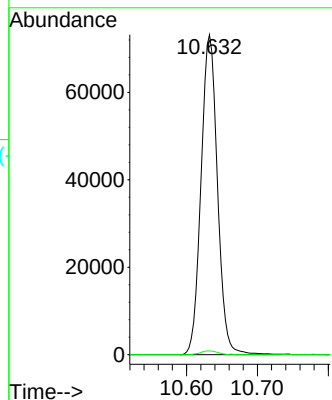
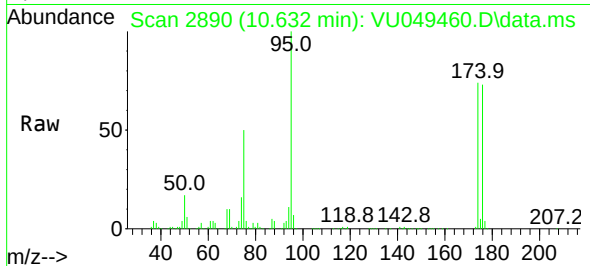




#76
1,2,3-Trichloropropane
Concen: 15.307 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

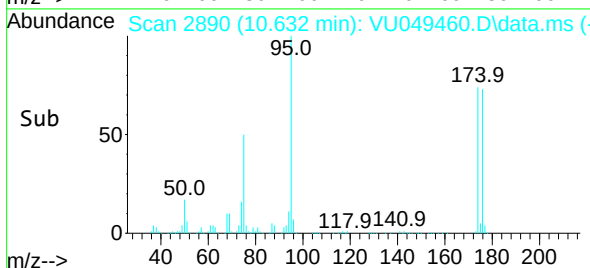
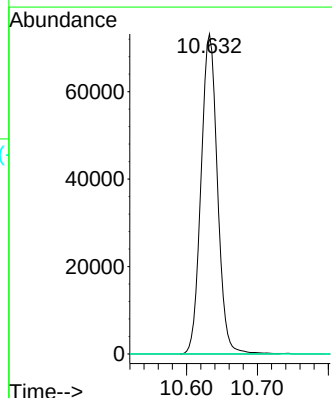
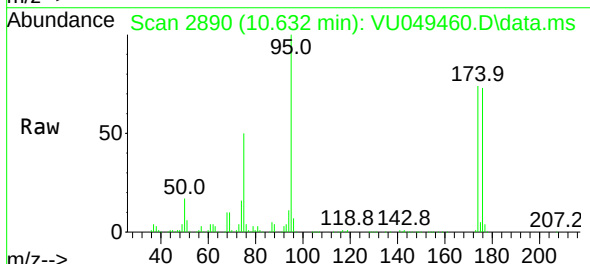
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622DL

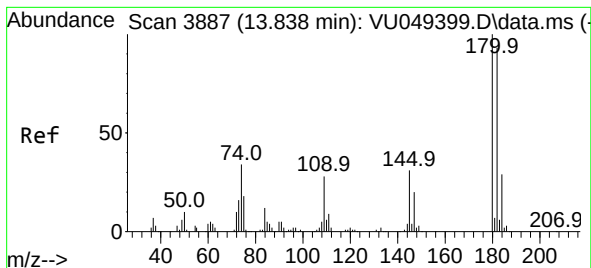
Tgt Ion: 75 Resp: 117779
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.528 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049460.D
Acq: 28 Jun 2022 15:57

Tgt Ion: 75 Resp: 117779
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: 1.779 ug/l

RT: 13.851 min Scan# 3891

Delta R.T. 0.013 min

Lab File: VU049460.D

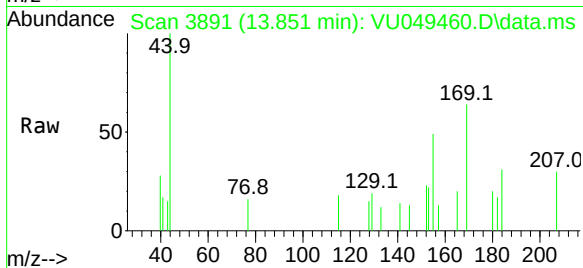
Acq: 28 Jun 2022 15:57

Instrument :

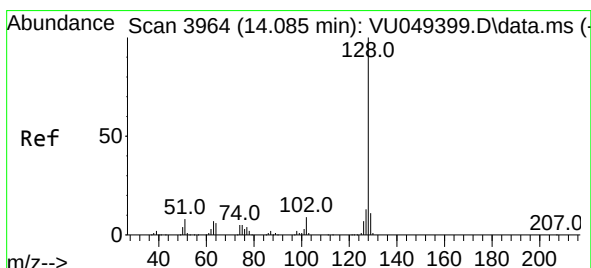
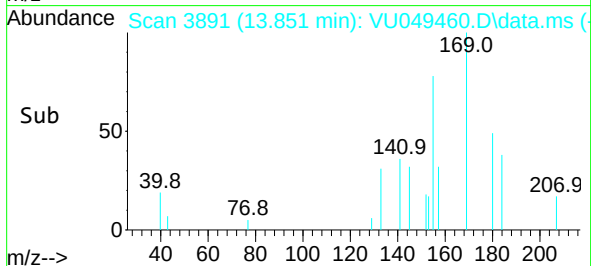
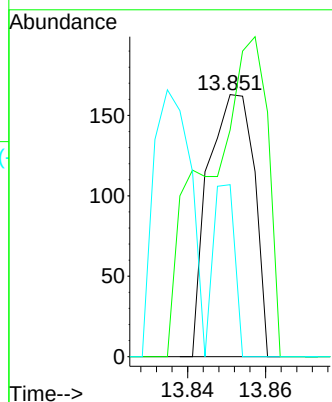
MSVOA_U

ClientSampleId :

RE120D2-20220622DL



Tgt Ion	Ratio	Lower	Upper
180	100		
182	162.4	47.9	143.6#
145	30.8	14.0	41.9



#95

Naphthalene

Concen: 1.826 ug/l

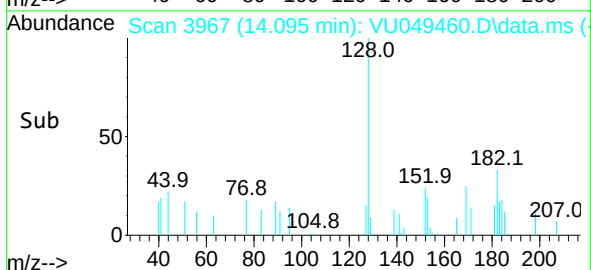
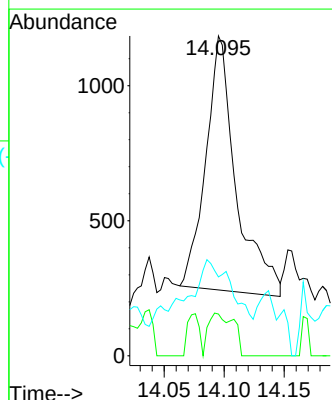
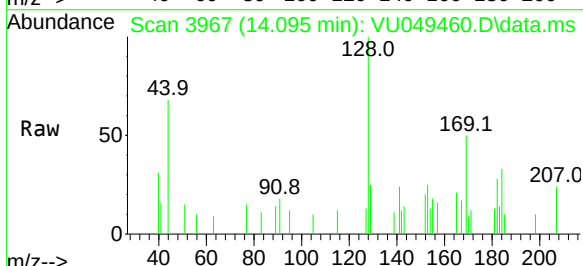
RT: 14.095 min Scan# 3967

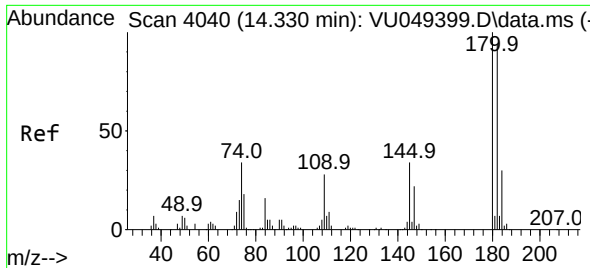
Delta R.T. 0.010 min

Lab File: VU049460.D

Acq: 28 Jun 2022 15:57

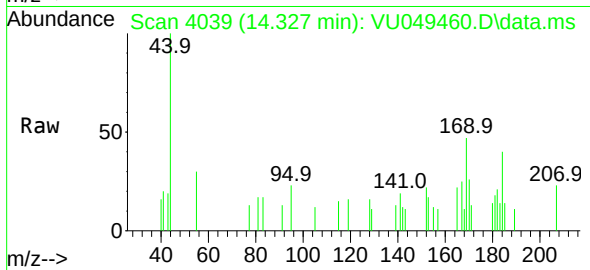
Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.4	10.3	15.5#
129	30.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.207 ug/l
 RT: 14.327 min Scan# 40
 Delta R.T. -0.003 min
 Lab File: VU049460.D
 Acq: 28 Jun 2022 15:57

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20220622DL



Tgt Ion:180 Resp: 161
 Ion Ratio Lower Upper
 180 100
 182 198.8 48.4 145.0#
 145 0.0 14.8 44.4#

