

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049587.D
 Acq On : 01 Jul 2022 17:19
 Operator : SY/MD
 Sample : N3569-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-40

Quant Time: Jul 04 06:47:39 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)

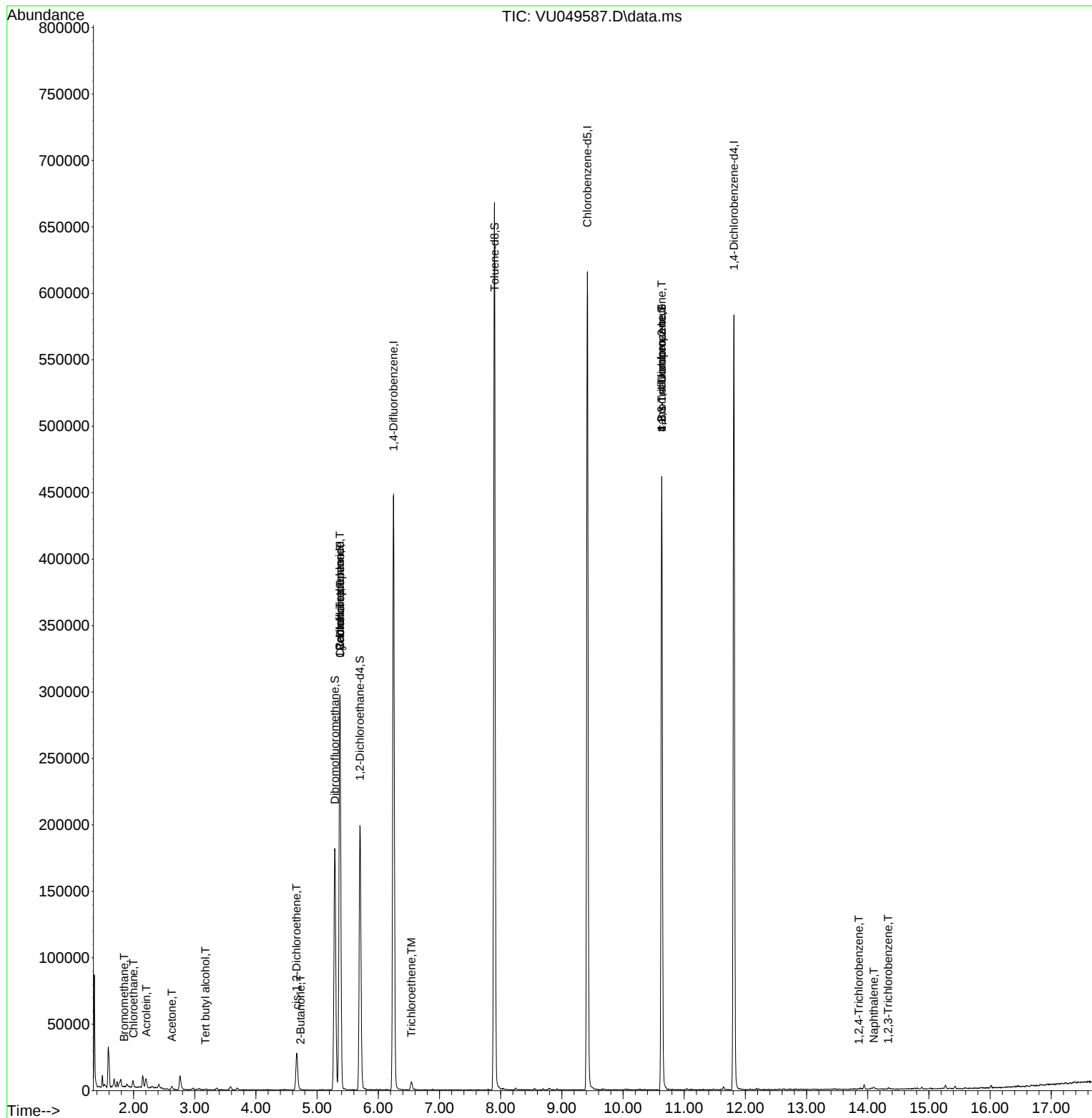
Internal Standards						
1) Pentafluorobenzene	5.372	168	203407	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	355192	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	332366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	151550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	148405	47.374	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.740%
35) Dibromofluoromethane	5.288	113	116614	46.927	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.860%
50) Toluene-d8	7.899	98	432293	48.773	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.540%
62) 4-Bromofluorobenzene	10.632	95	154814	45.597	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	2205	Below Cal		99
5) Bromomethane	1.848	94	212	0.207 ug/l	#	74
6) Chloroethane	1.999	64	61	1.954 ug/l	#	44
11) Tert butyl alcohol	3.176	59	313	0.427 ug/l	#	37
13) Acrolein	2.211	56	107	0.215 ug/l	#	1
16) Acetone	2.626	43	3141	1.988 ug/l		88
20) Methylene Chloride	3.031	84	146	Below Cal	#	44
25) 2-Butanone	4.729	43	971	0.410 ug/l	#	45
27) cis-1,2-Dichloroethene	4.665	96	14249	5.178 ug/l		98
31) Cyclohexane	5.375	56	4389	0.933 ug/l	#	1
36) 1,1-Dichloropropene	5.375	75	17303	4.802 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	20801	5.505 ug/l	#	17
44) Trichloroethene	6.542	130	1363	0.527 ug/l		76
76) 1,2,3-Trichloropropane	10.632	75	81470	15.858 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	81470	58.562 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.854	180	283	1.834 ug/l	#	82
95) Naphthalene	14.102	128	2534	1.942 ug/l	#	84
96) 1,2,3-Trichlorobenzene	14.333	180	288	1.258 ug/l	#	43

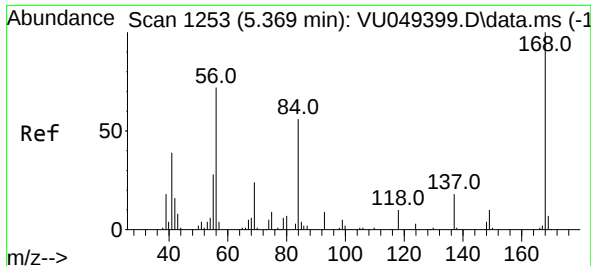
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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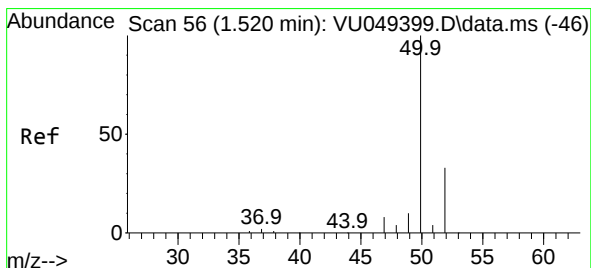
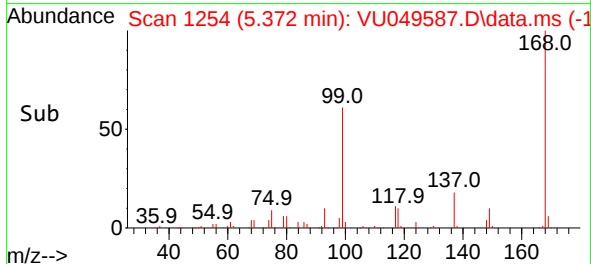
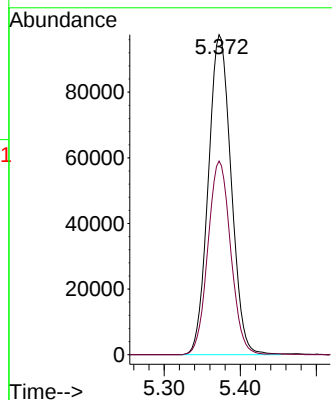
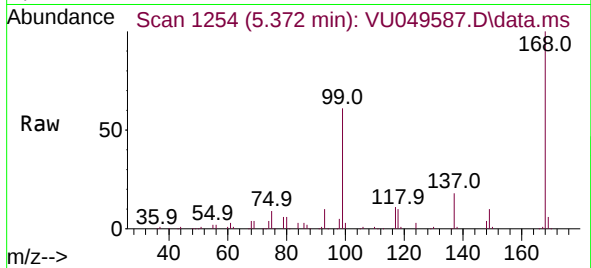




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

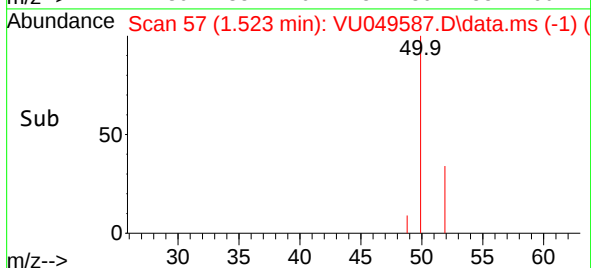
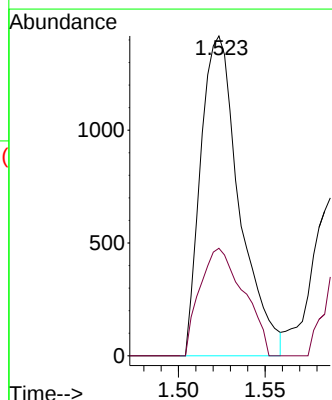
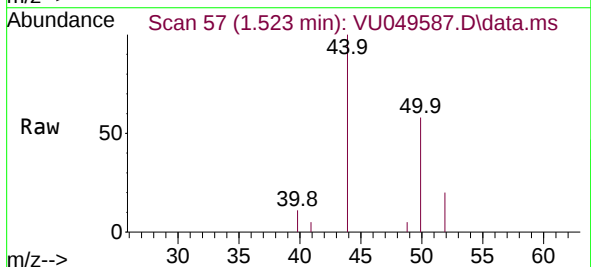
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-40

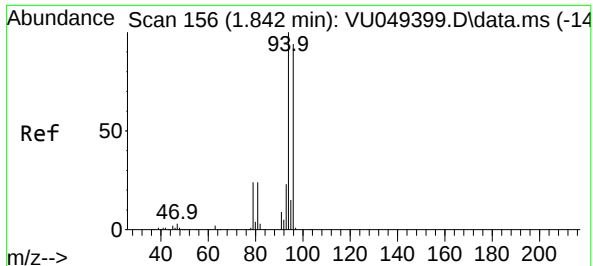
Tgt Ion:168 Resp: 203407
Ion Ratio Lower Upper
168 100
99 60.5 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion: 50 Resp: 2205
Ion Ratio Lower Upper
50 100
52 33.6 27.4 41.2

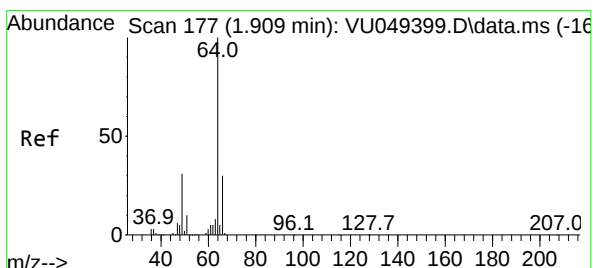
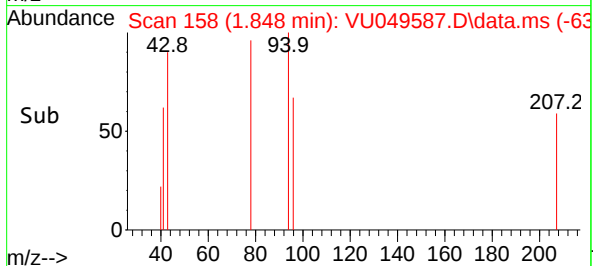
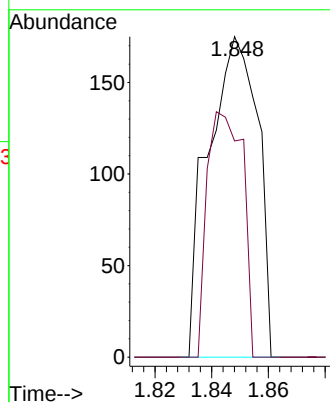
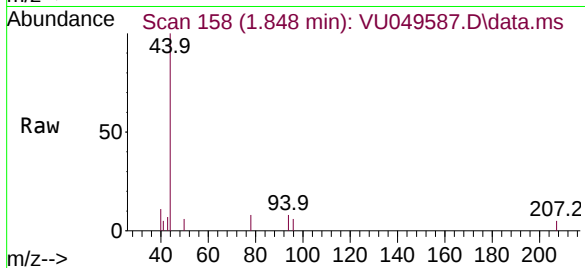




#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.848 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

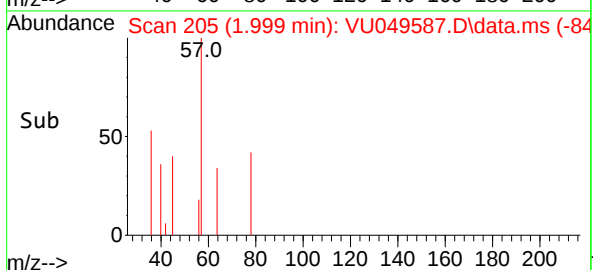
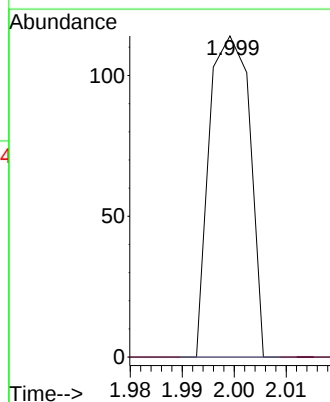
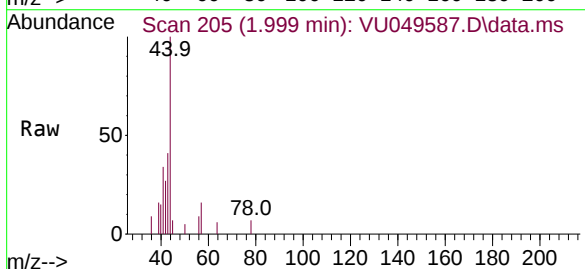
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-40

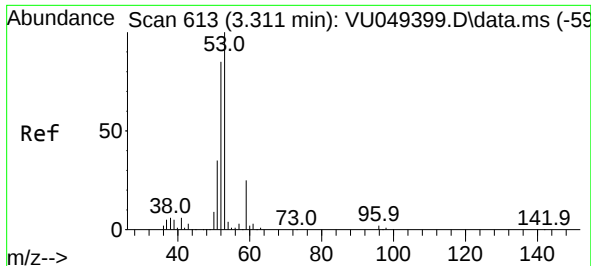
Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 67.4 73.7 110.5#



#6
Chloroethane
Concen: 1.954 ug/l
RT: 1.999 min Scan# 205
Delta R.T. 0.090 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 0.427 ug/l

RT: 3.176 min Scan# 51

Delta R.T. -0.135 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

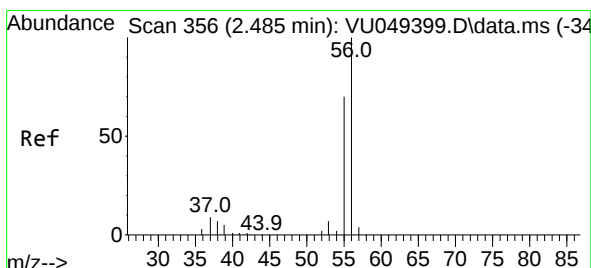
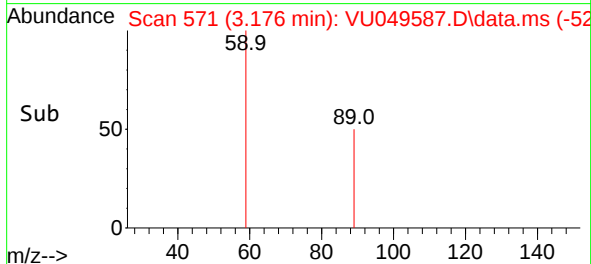
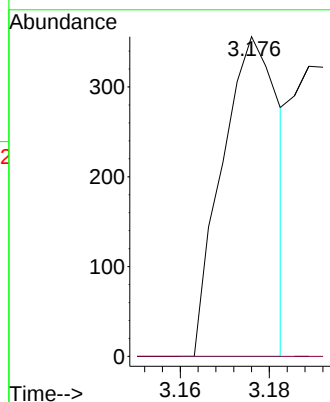
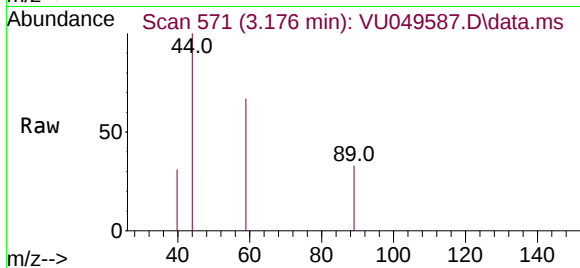
152140-SPC-09-40

Tgt Ion: 59 Resp: 313

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#13

Acrolein

Concen: 0.215 ug/l

RT: 2.211 min Scan# 271

Delta R.T. -0.273 min

Lab File: VU049587.D

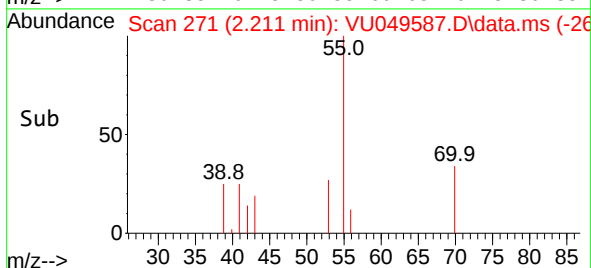
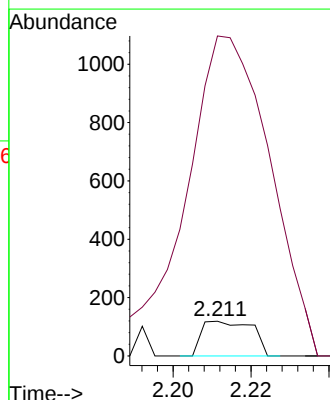
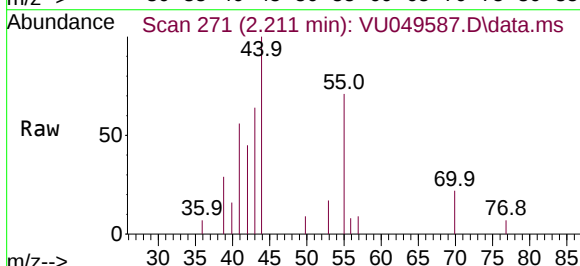
Acq: 01 Jul 2022 17:19

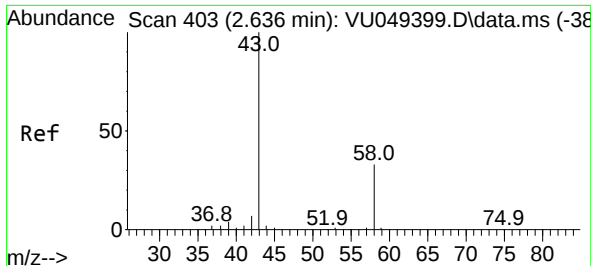
Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 1499.1 56.6 85.0#





#16

Acetone

Concen: 1.988 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

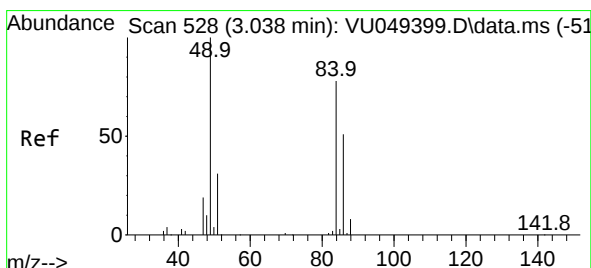
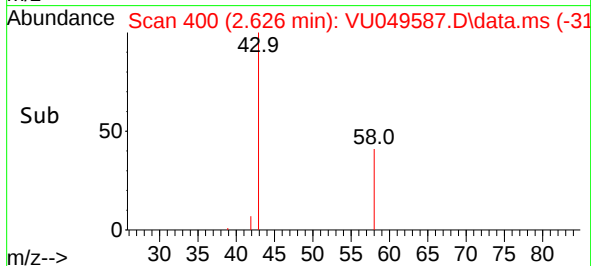
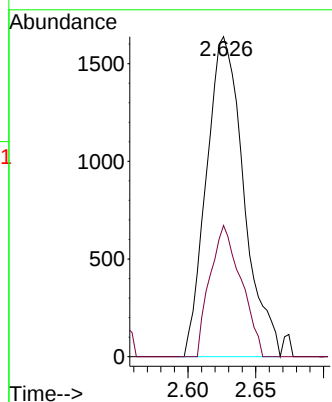
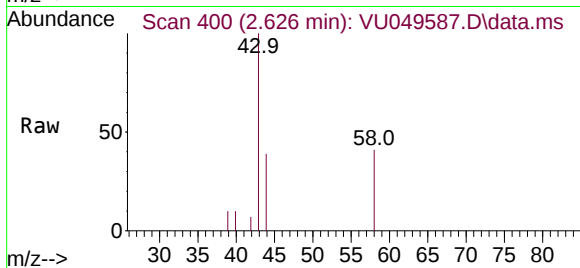
152140-SPC-09-40

Tgt Ion: 43 Resp: 3141

Ion Ratio Lower Upper

43 100

58 41.0 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.031 min Scan# 526

Delta R.T. -0.006 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

Tgt Ion: 84 Resp: 146

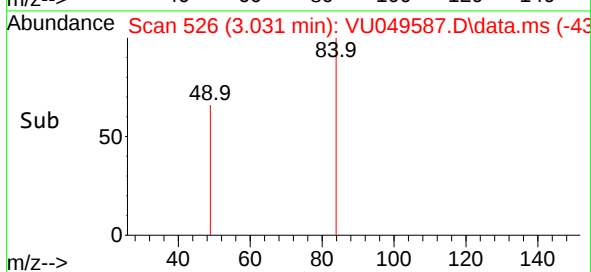
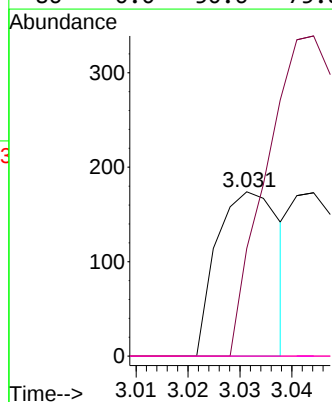
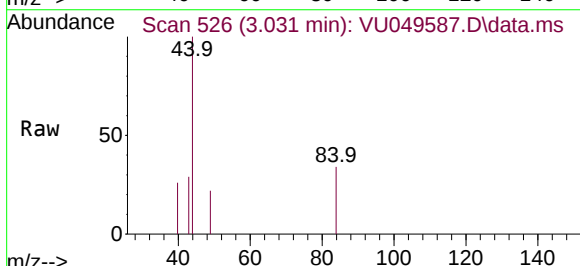
Ion Ratio Lower Upper

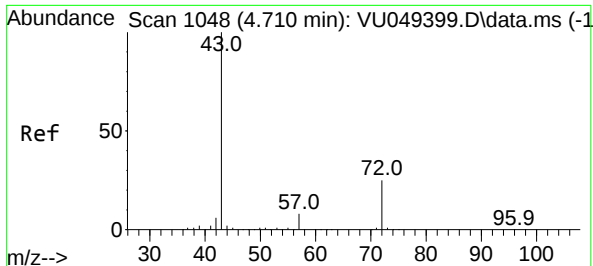
84 100

49 65.5 86.6 129.8#

51 0.0 26.6 40.0#

86 0.0 50.6 75.8#





#25

2-Butanone

Concen: 0.410 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.019 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

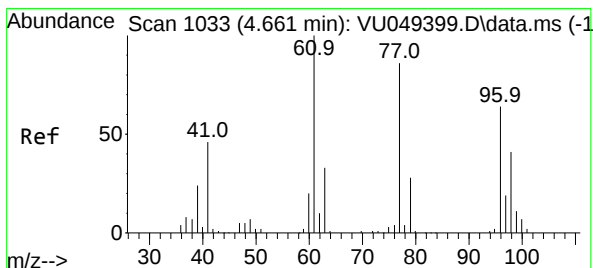
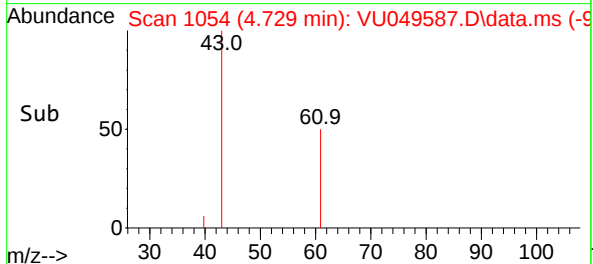
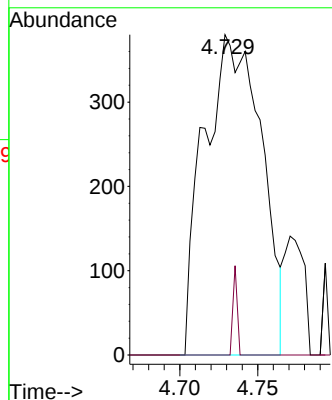
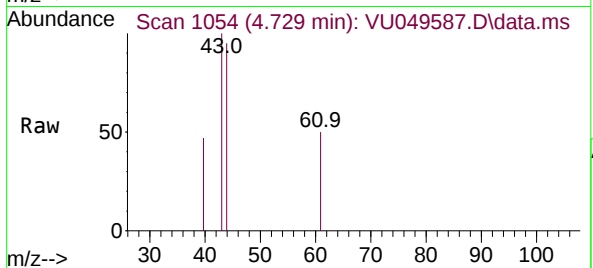
152140-SPC-09-40

Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#27

cis-1,2-Dichloroethene

Concen: 5.178 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

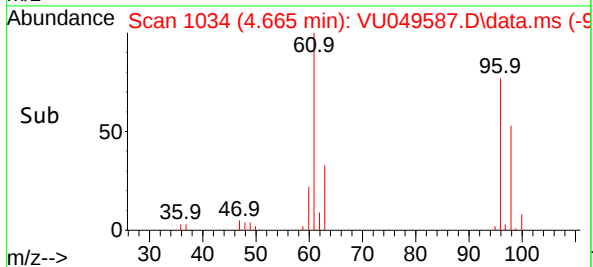
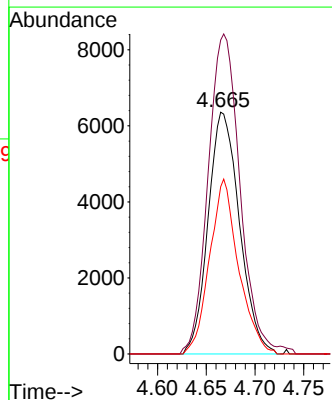
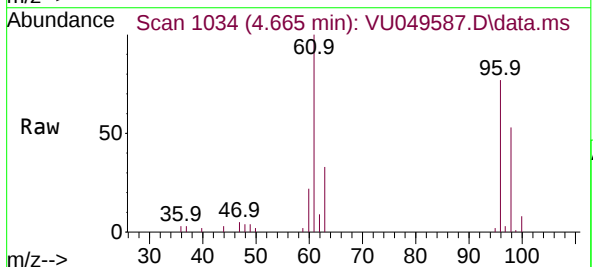
Tgt Ion: 96 Resp: 14249

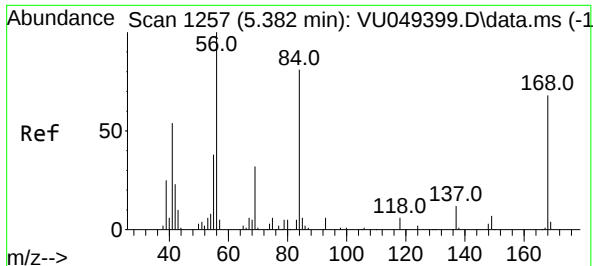
Ion Ratio Lower Upper

96 100

61 135.0 0.0 271.6

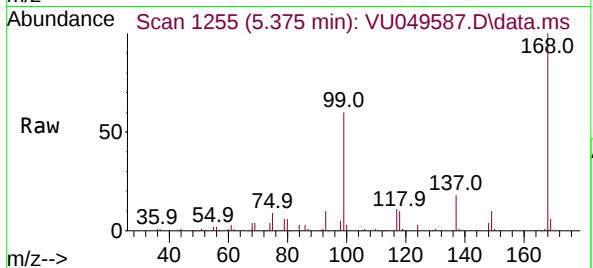
98 66.8 0.0 128.2



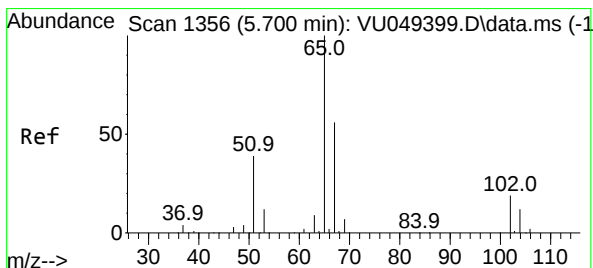
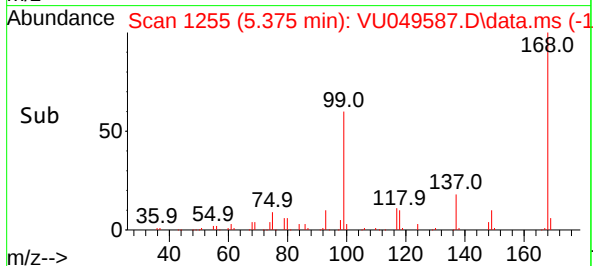
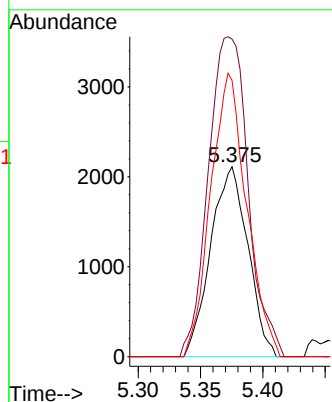


#31
Cyclohexane
Concen: 0.933 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

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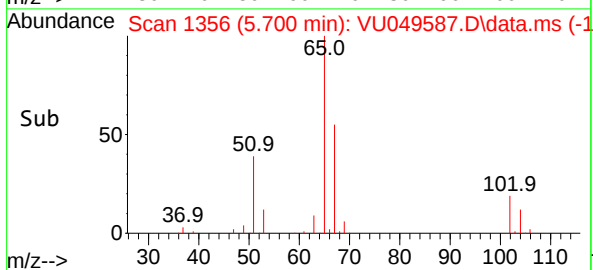
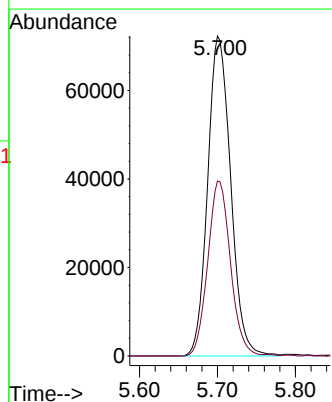
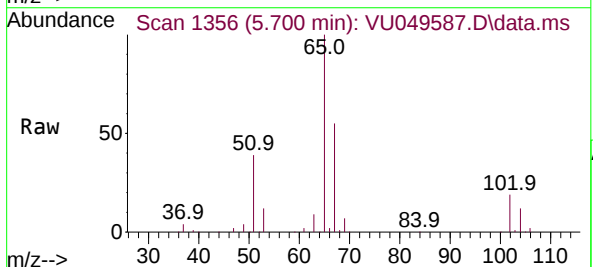


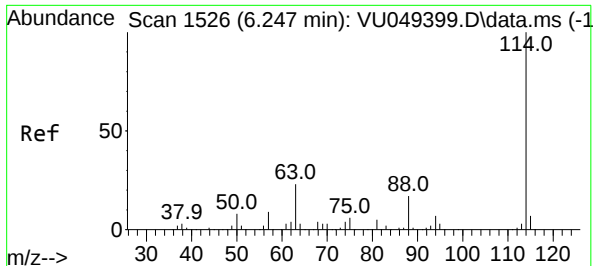
Tgt Ion: 56 Resp: 4389
Ion Ratio Lower Upper
56 100
69 167.2 27.8 41.8#
84 145.4 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 47.374 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion: 65 Resp: 148405
Ion Ratio Lower Upper
65 100
67 54.0 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: VU049587.D

Acq: 01 Jul 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-40

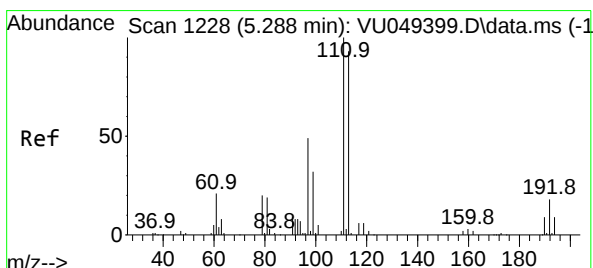
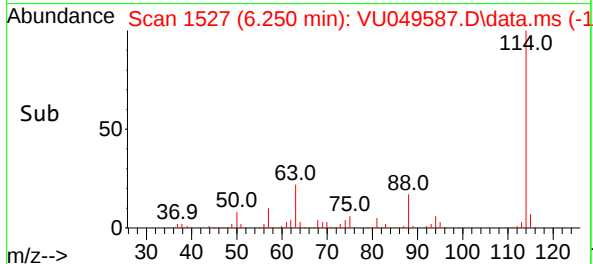
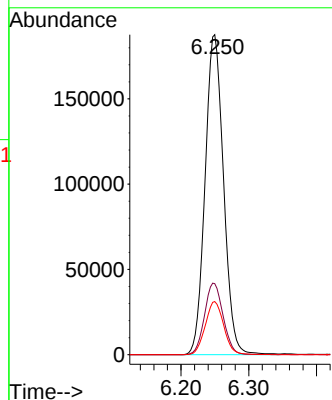
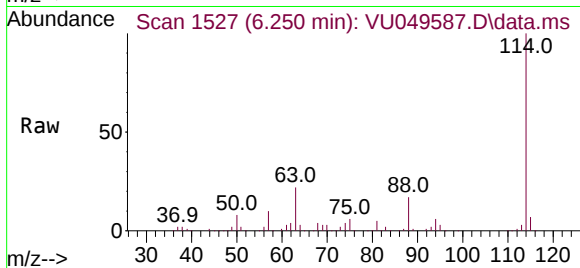
Tgt Ion:114 Resp: 355192

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.927 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

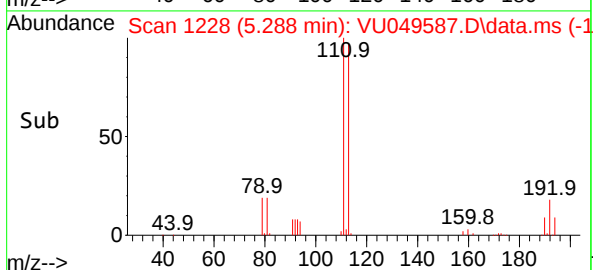
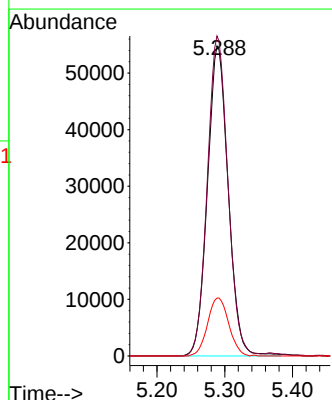
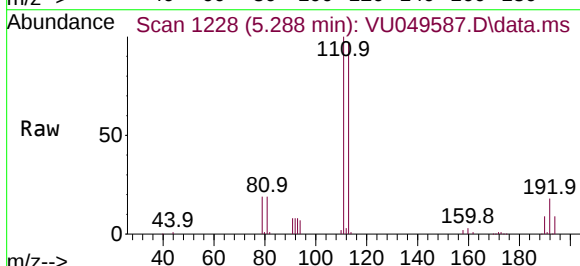
Tgt Ion:113 Resp: 116614

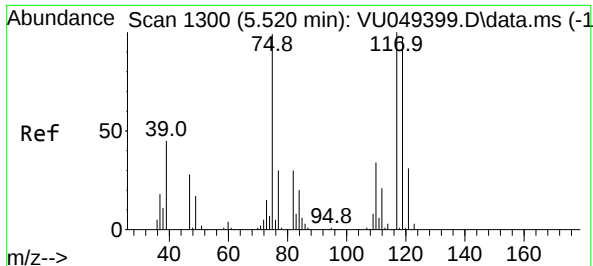
Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.802 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.145 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-40

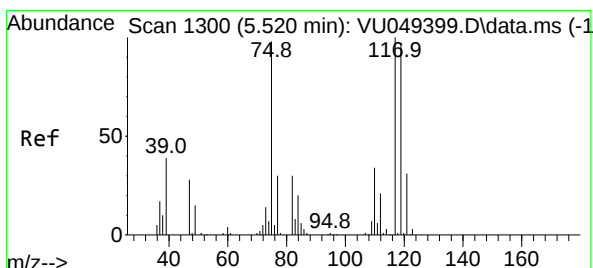
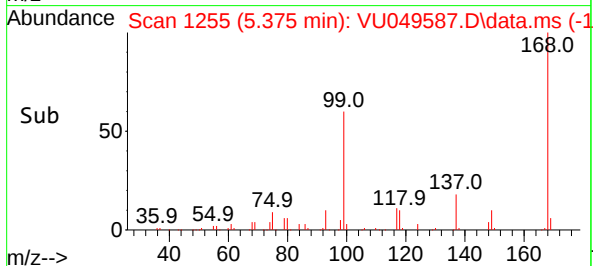
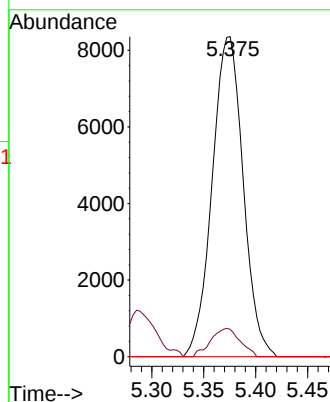
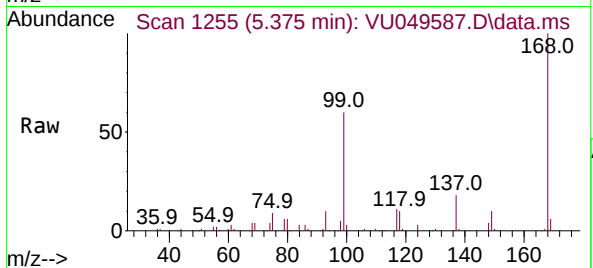
Tgt Ion: 75 Resp: 17303

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.505 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049587.D

Acq: 01 Jul 2022 17:19

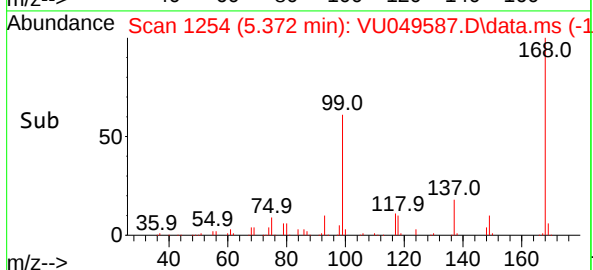
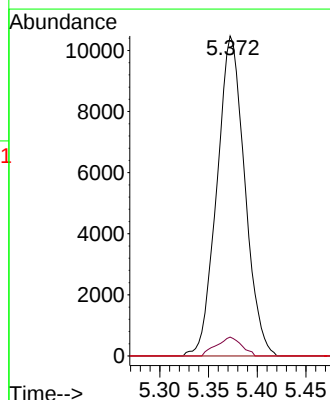
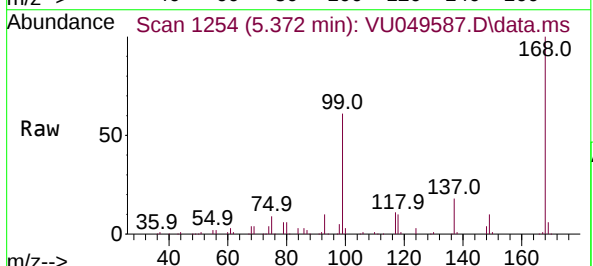
Tgt Ion: 117 Resp: 20801

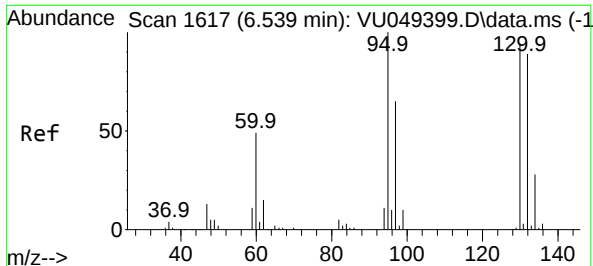
Ion Ratio Lower Upper

117 100

119 5.9 76.8 115.2#

121 0.0 24.7 37.1#

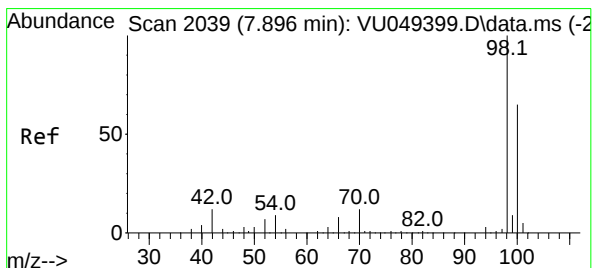
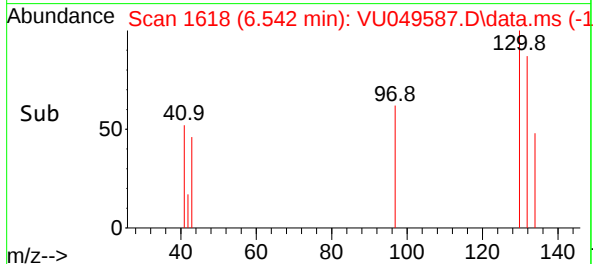
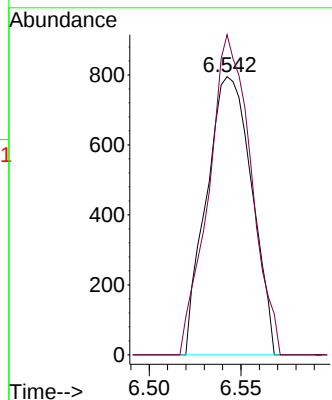
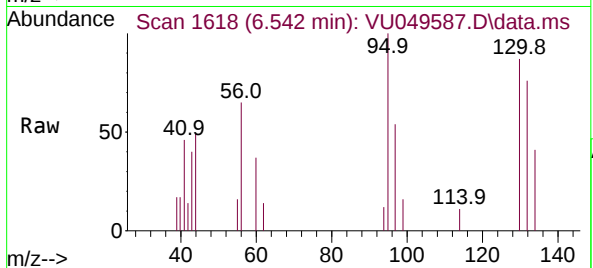




#44
Trichloroethene
Concen: 0.527 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

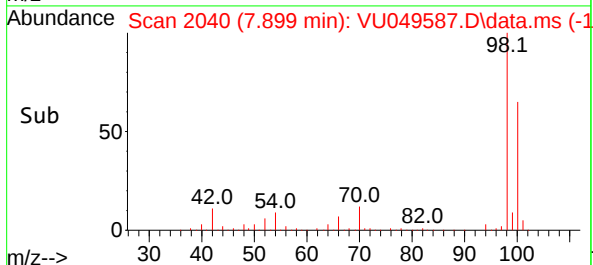
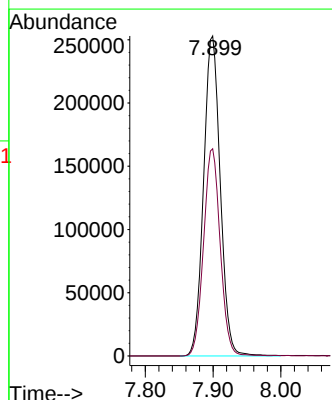
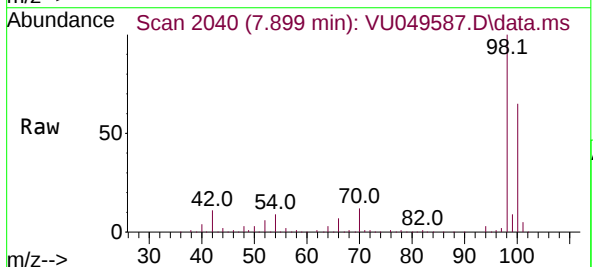
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-40

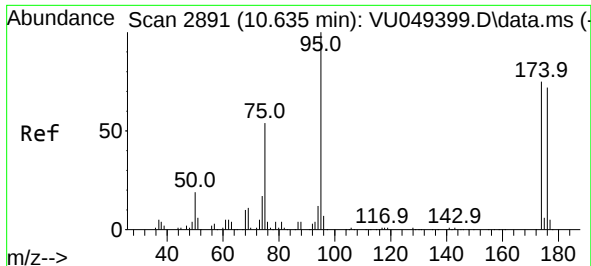
Tgt Ion:130 Resp: 1363
Ion Ratio Lower Upper
130 100
95 115.1 0.0 184.6



#50
Toluene-d8
Concen: 48.773 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.003 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion: 98 Resp: 432293
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

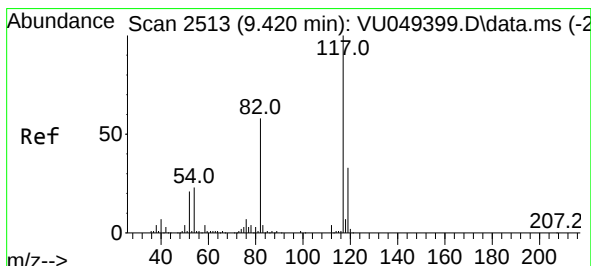
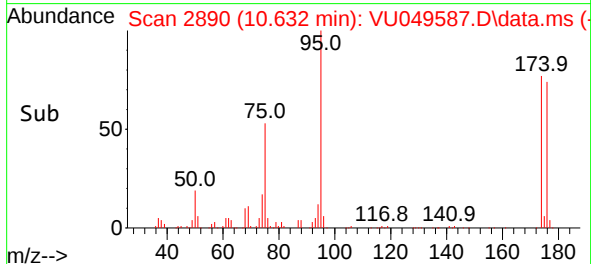
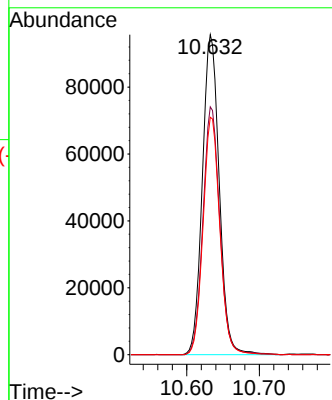
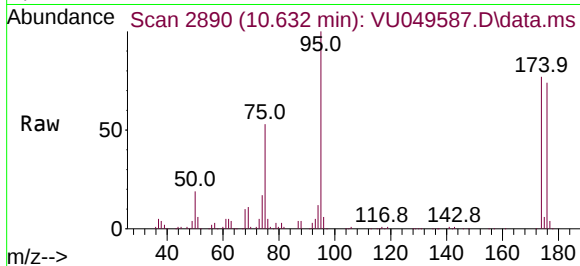




#62
 4-Bromofluorobenzene
 Concen: 45.597 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU049587.D
 Acq: 01 Jul 2022 17:19

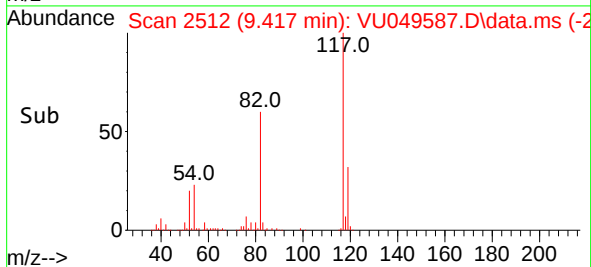
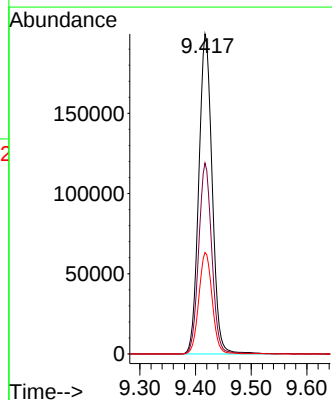
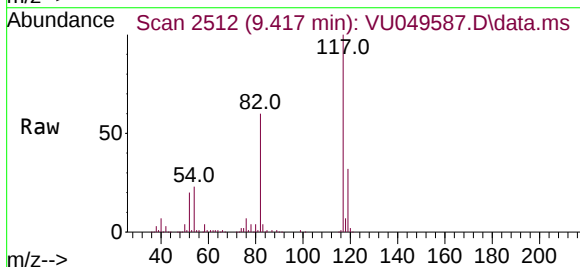
Instrument :
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 ClientSampleId :
 152140-SPC-09-40

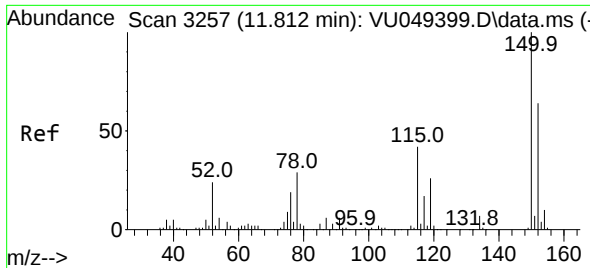
Tgt Ion: 95 Resp: 154814
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 182.0
 176 73.7 0.0 177.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.417 min Scan# 2512
 Delta R.T. -0.003 min
 Lab File: VU049587.D
 Acq: 01 Jul 2022 17:19

Tgt Ion: 117 Resp: 332366
 Ion Ratio Lower Upper
 117 100
 82 59.6 41.7 62.5
 119 31.7 25.7 38.5

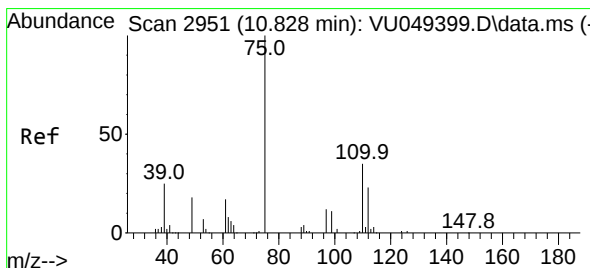
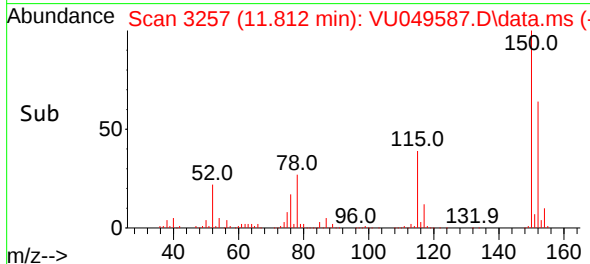
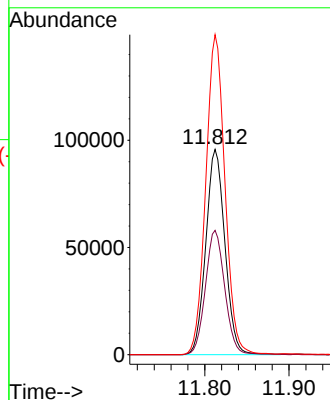
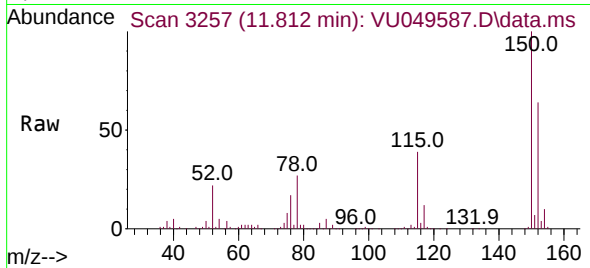




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049587.D
 Acq: 01 Jul 2022 17:19

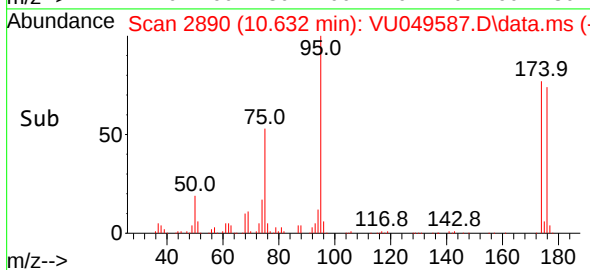
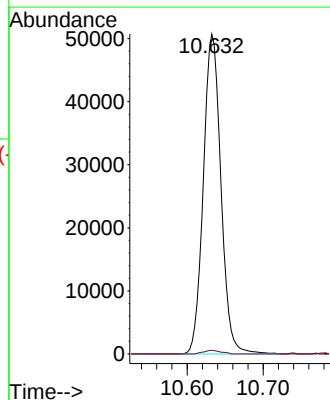
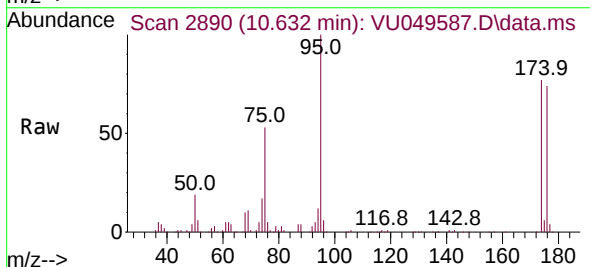
Instrument :
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 ClientSampleId :
 152140-SPC-09-40

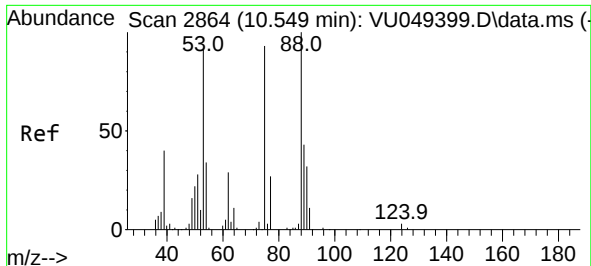
Tgt Ion:152 Resp: 151550
 Ion Ratio Lower Upper
 152 100
 115 61.3 37.0 110.9
 150 156.1 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.858 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049587.D
 Acq: 01 Jul 2022 17:19

Tgt Ion: 75 Resp: 81470
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

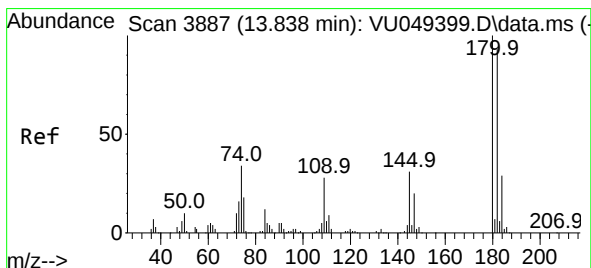
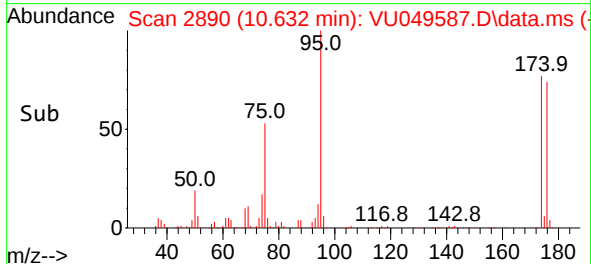
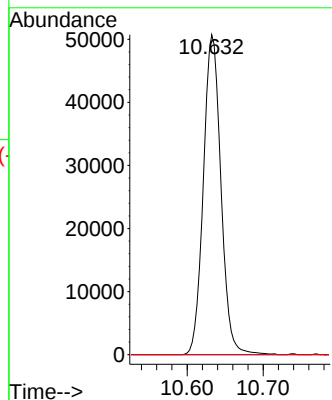
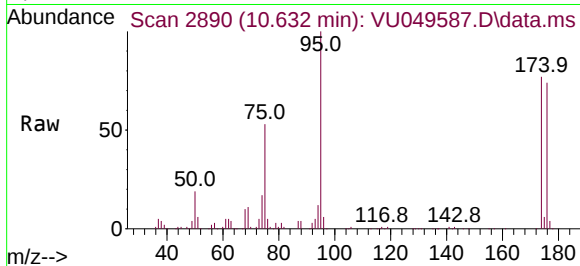




#81
trans-1,4-Dichloro-2-butene
Concen: 58.562 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

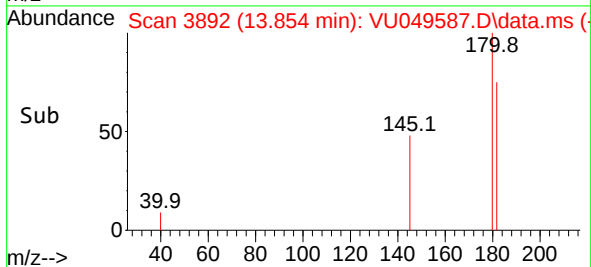
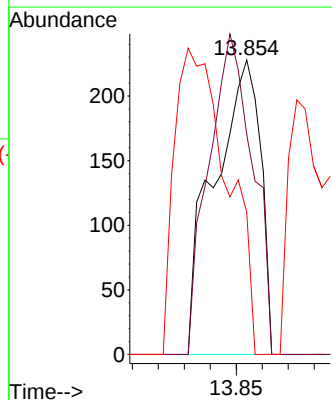
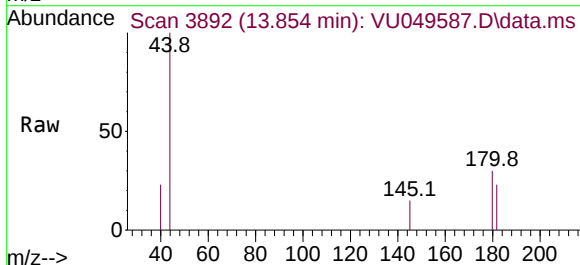
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-40

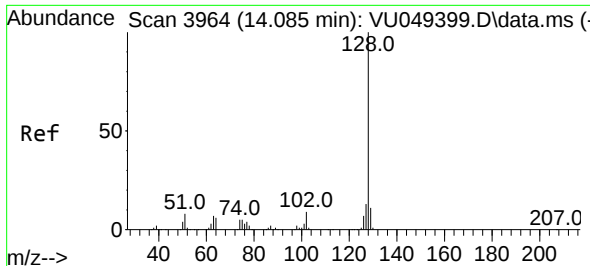
Tgt Ion: 75 Resp: 81470
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.834 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion: 180 Resp: 283
Ion Ratio Lower Upper
180 100
182 102.8 47.9 143.6
145 0.0 14.0 41.9#

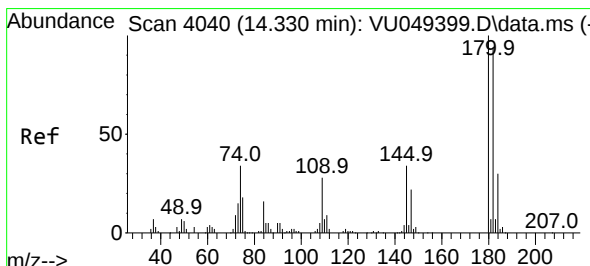
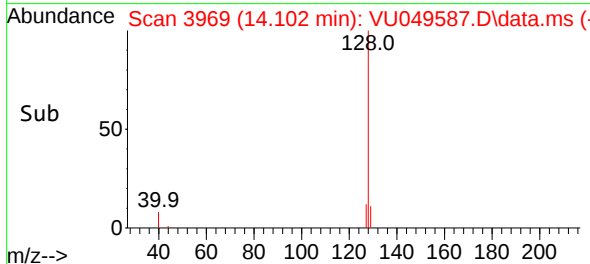
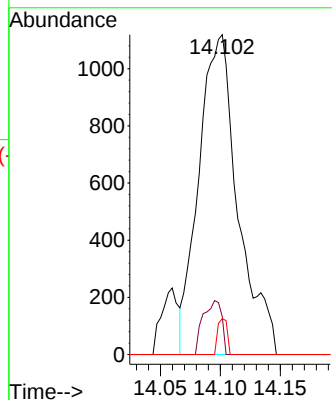
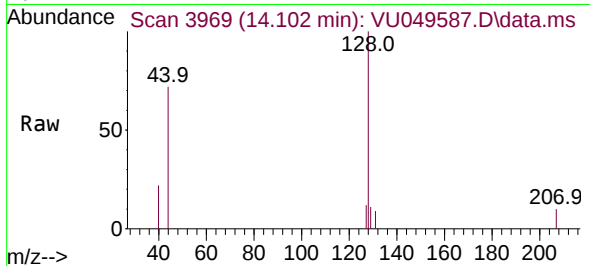




#95
Naphthalene
Concen: 1.942 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-40

Tgt Ion:128 Resp: 2534
Ion Ratio Lower Upper
128 100
127 8.1 10.3 15.5#
129 2.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.258 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049587.D
Acq: 01 Jul 2022 17:19

Tgt Ion:180 Resp: 288
Ion Ratio Lower Upper
180 100
182 85.4 48.4 145.0
145 139.6 14.8 44.4#

