

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049586.D
 Acq On : 01 Jul 2022 16:55
 Operator : SY/MD
 Sample : N3569-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-30

Quant Time: Jul 04 06:47:18 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)

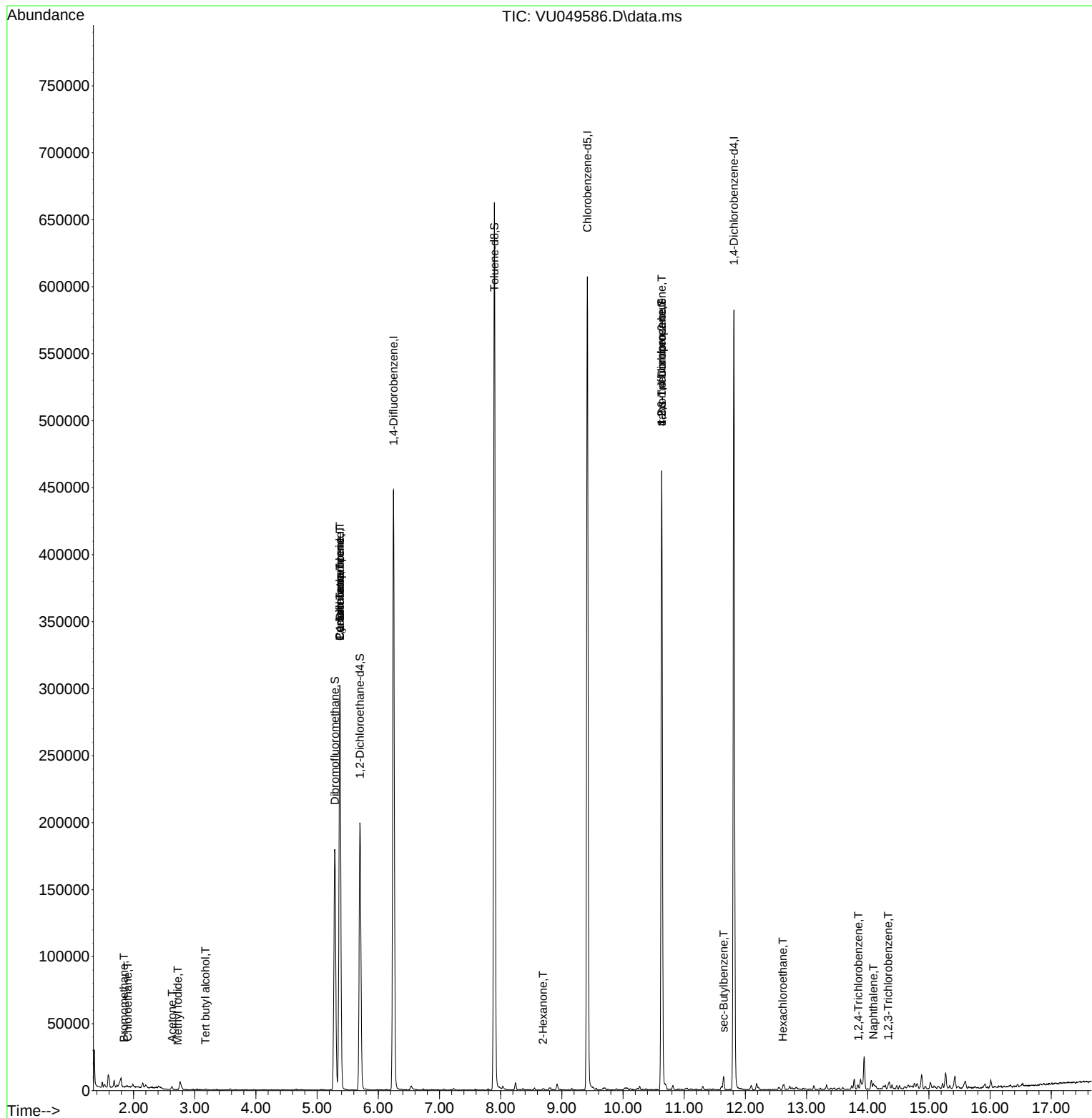
Internal Standards						
1) Pentafluorobenzene	5.372	168	202334	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	356724	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	327584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	150774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	147828	47.440	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.880%
35) Dibromofluoromethane	5.289	113	115620	46.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	7.896	98	429702	48.272	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.540%
62) 4-Bromofluorobenzene	10.632	95	155946	45.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.460%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	2306	Below Cal	#	87
5) Bromomethane	1.842	94	237	0.233	ug/l #	73
6) Chloroethane	1.903	64	19	1.927	ug/l #	44
10) Methyl Iodide	2.723	142	75	7.542	ug/l #	43
11) Tert butyl alcohol	3.176	59	394	0.540	ug/l #	37
16) Acetone	2.629	43	2640	1.680	ug/l	89
20) Methylene Chloride	3.038	84	249	Below Cal	#	54
31) Cyclohexane	5.372	56	4447	0.950	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	16716	4.619	ug/l #	49
38) Carbon Tetrachloride	5.372	117	21151	5.573	ug/l #	16
59) 2-Hexanone	8.690	43	894	0.234	ug/l #	55
76) 1,2,3-Trichloropropane	10.632	75	80638	15.777	ug/l #	44
81) trans-1,4-Dichloro-2-b...	10.632	75	80638	58.263	ug/l #	15
85) sec-Butylbenzene	11.645	105	6634	0.572	ug/l	99
90) Hexachloroethane	12.613	117	1106	0.592	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.844	180	794	1.981	ug/l #	38
95) Naphthalene	14.092	128	3969	2.061	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.333	180	650	1.360	ug/l #	1

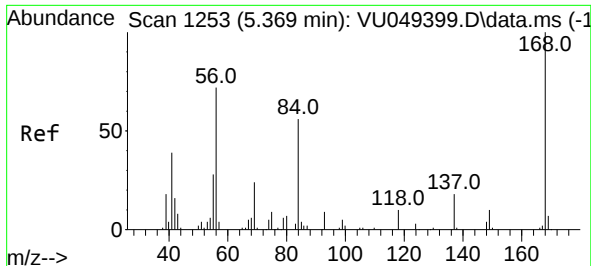
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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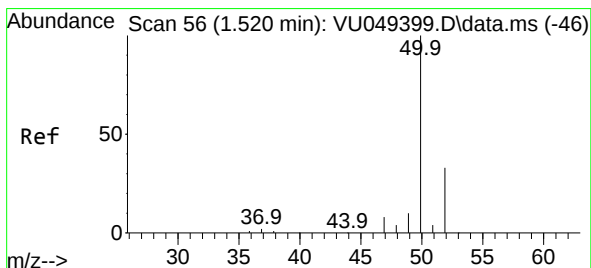
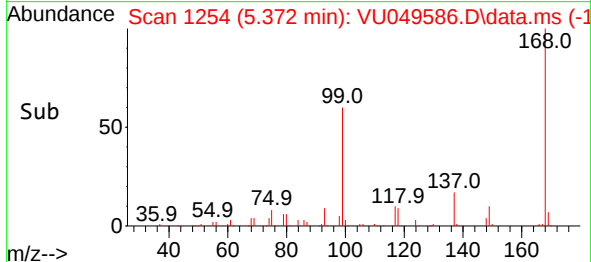
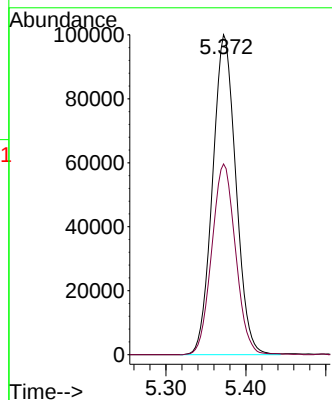
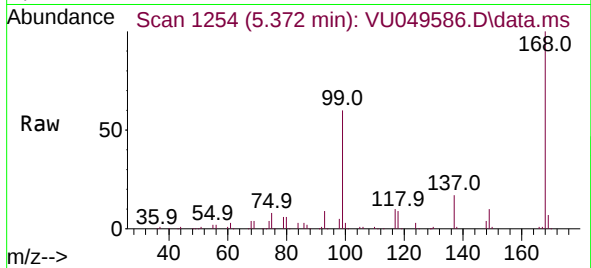




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

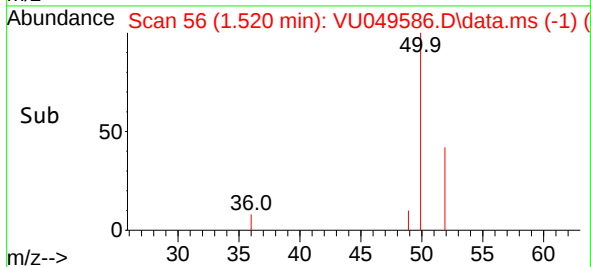
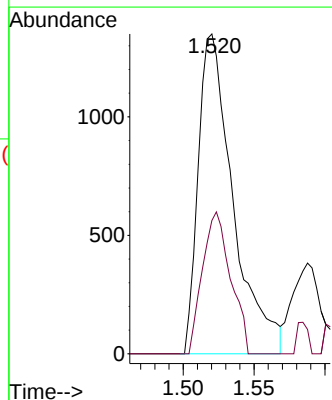
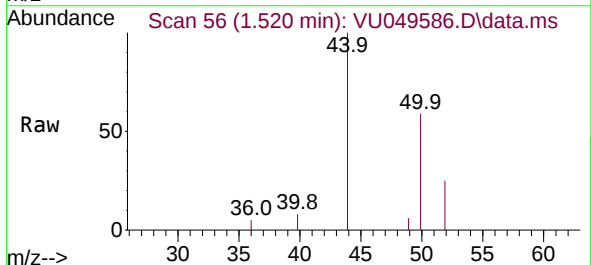
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

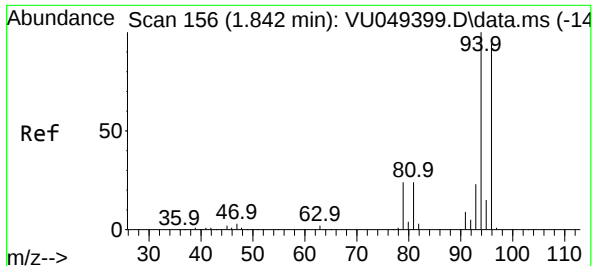
Tgt Ion:168 Resp: 202334
Ion Ratio Lower Upper
168 100
99 59.6 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 50 Resp: 2306
Ion Ratio Lower Upper
50 100
52 41.7 27.4 41.2#

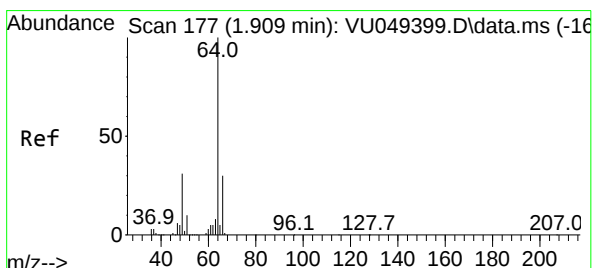
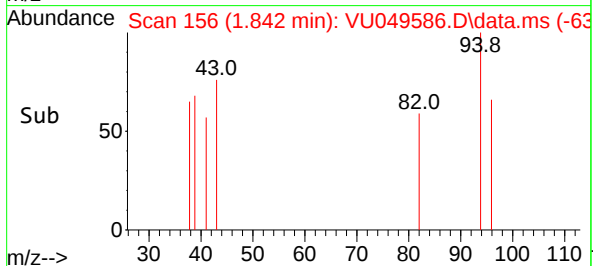
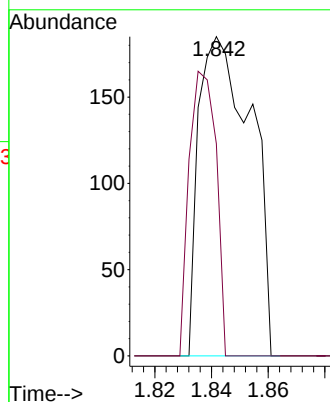
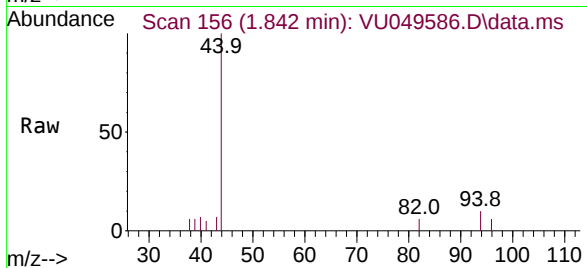




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.842 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

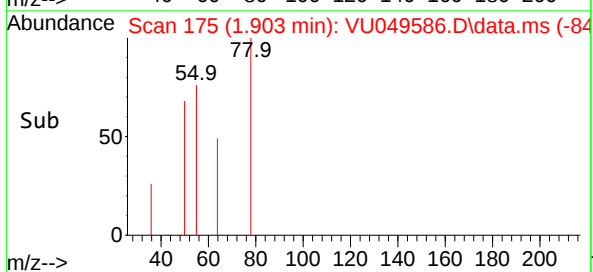
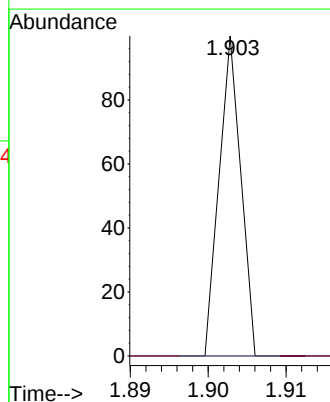
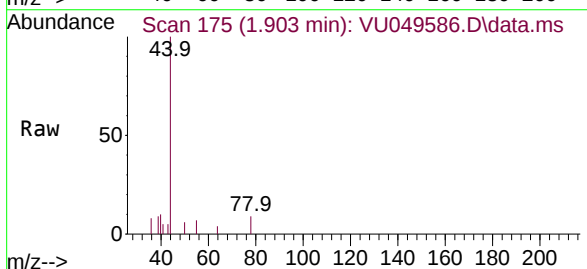
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

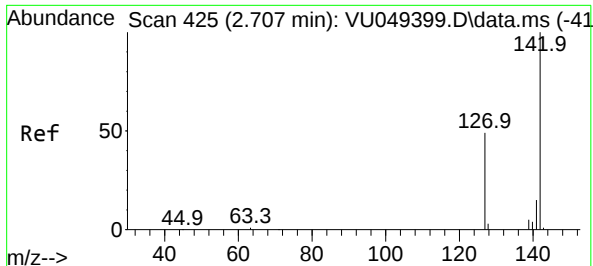
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 66.5 73.7 110.5#



#6
Chloroethane
Concen: 1.927 ug/l
RT: 1.903 min Scan# 175
Delta R.T. -0.006 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

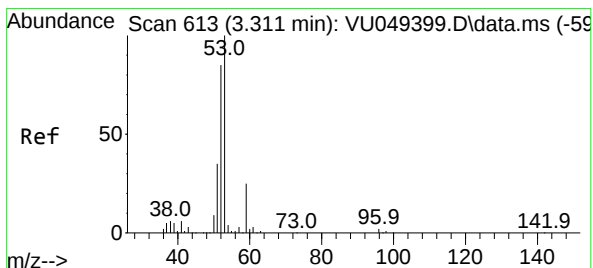
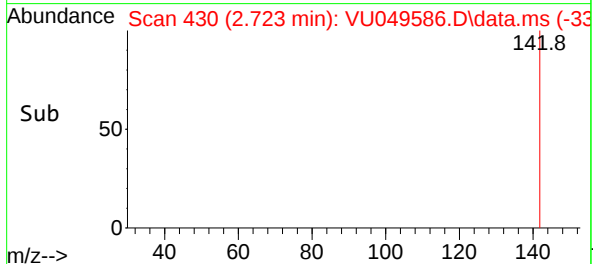
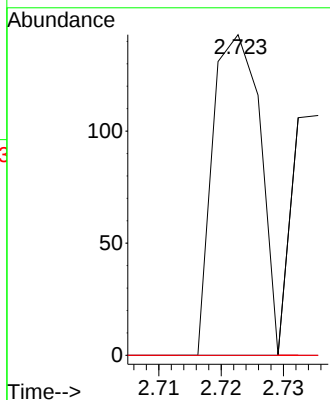
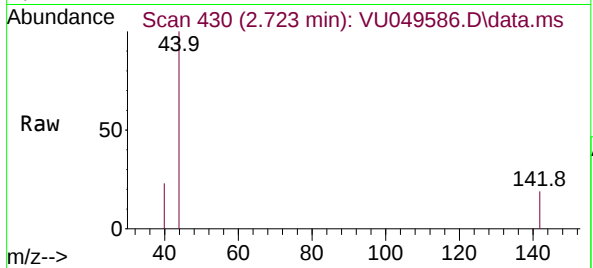




#10
Methyl Iodide
Concen: 7.542 ug/l
RT: 2.723 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

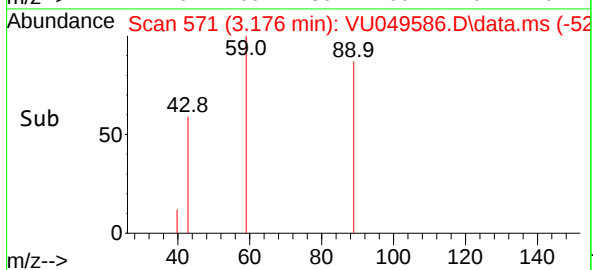
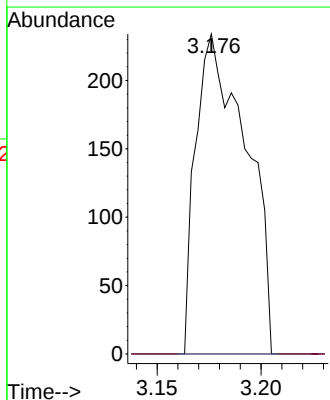
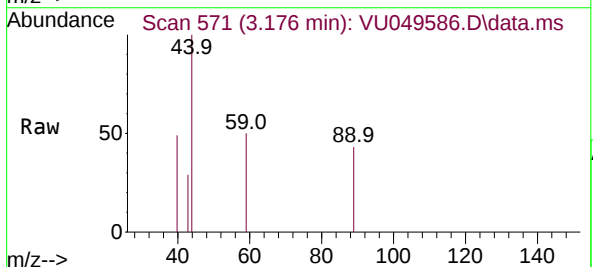
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

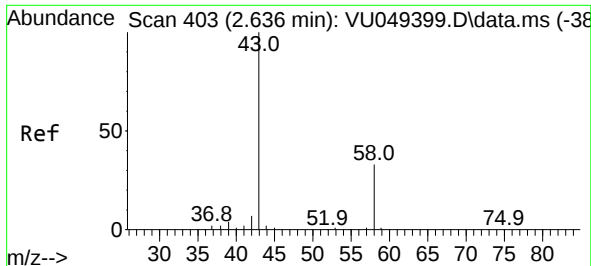
Tgt Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.540 ug/l
RT: 3.176 min Scan# 571
Delta R.T. -0.135 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

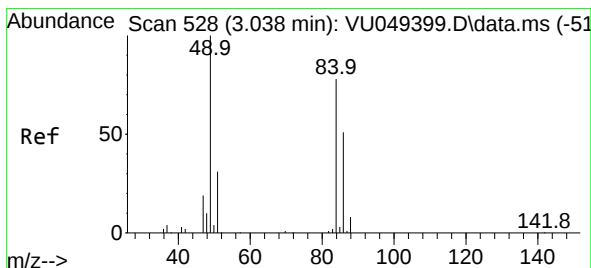
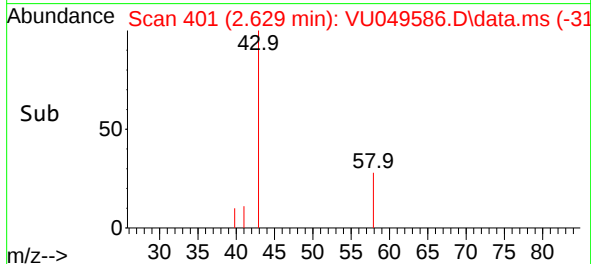
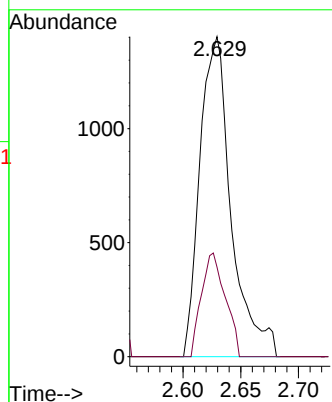
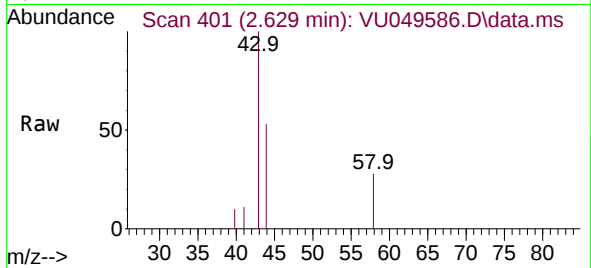




#16
Acetone
Concen: 1.680 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

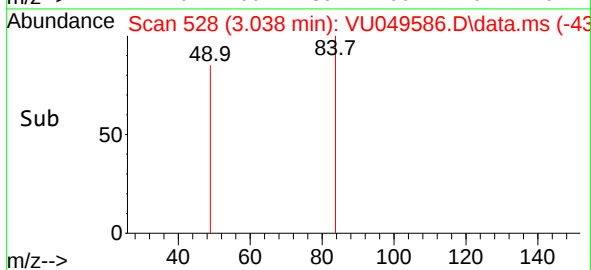
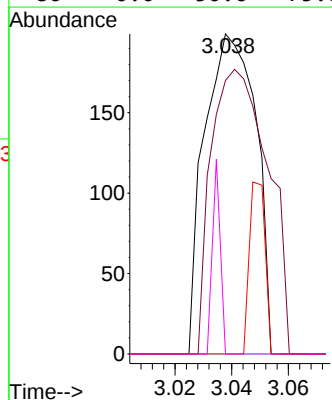
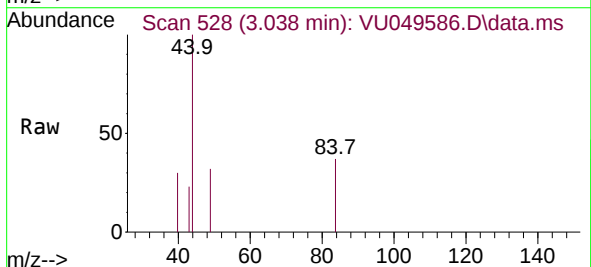
Instrument :
MSVOA_U
ClientSampleId :
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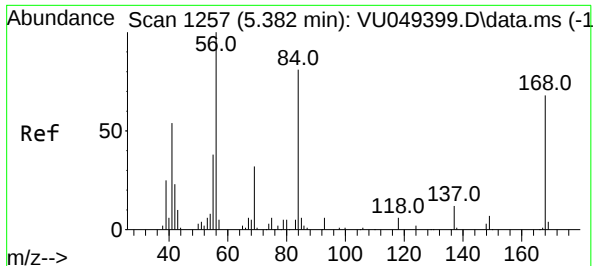
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 28.0 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.038 min Scan# 528
Delta R.T. 0.000 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 84 Resp: 249
Ion Ratio Lower Upper
84 100
49 85.4 86.6 129.8#
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





#31

Cyclohexane

Concen: 0.950 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049586.D

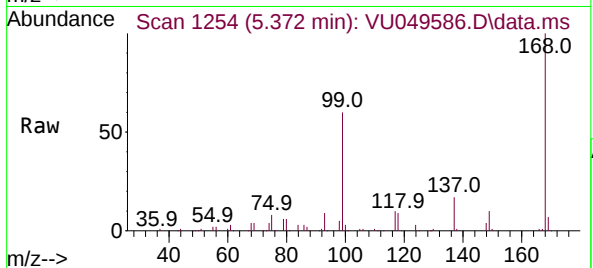
Acq: 01 Jul 2022 16:55

Instrument :

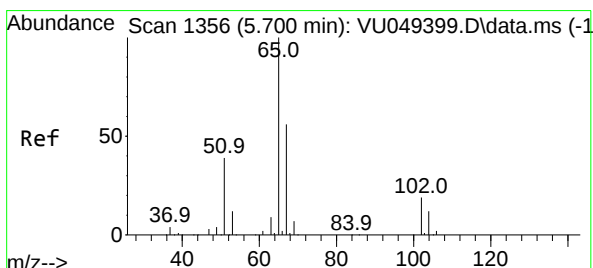
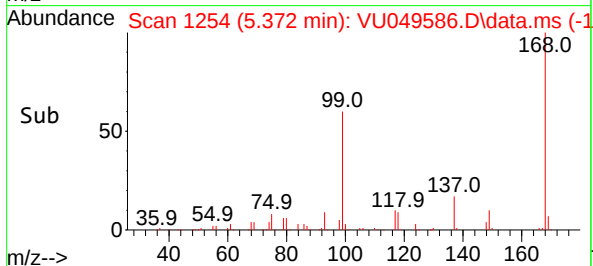
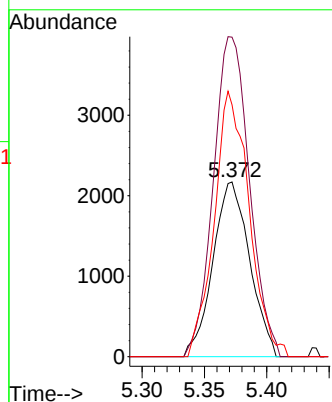
MSVOA_U

ClientSampleId :

152140-SPC-09-30



Tgt Ion: 56	Resp: 4447
Ion Ratio	Lower Upper
56	100
69	183.0 27.8 41.8#
84	144.2 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 47.440 ug/l

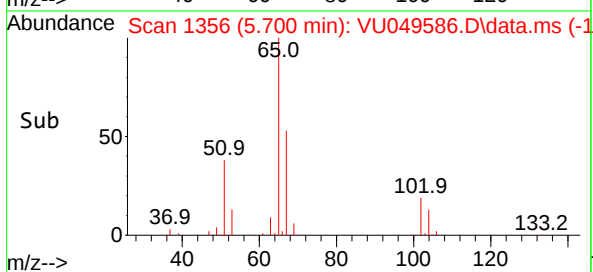
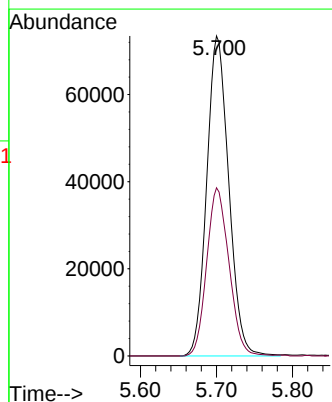
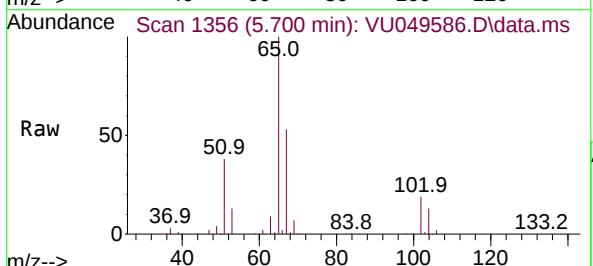
RT: 5.700 min Scan# 1356

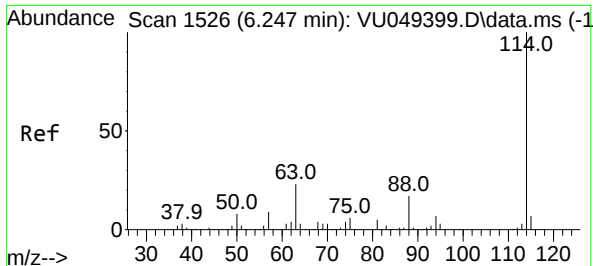
Delta R.T. 0.000 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

Tgt Ion: 65	Resp: 147828
Ion Ratio	Lower Upper
65	100
67	53.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-30

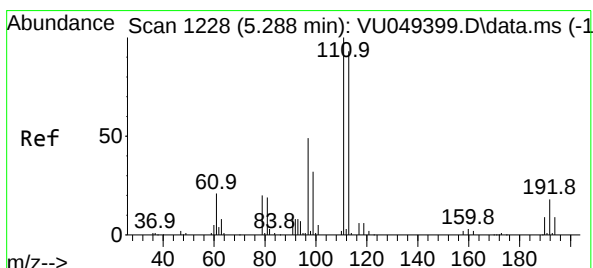
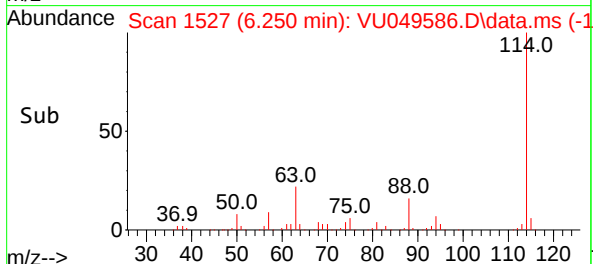
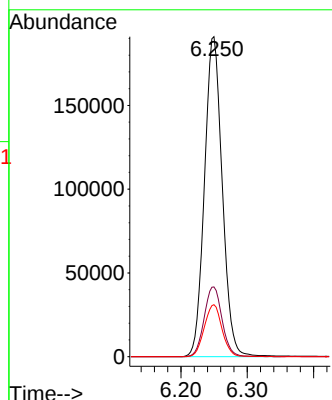
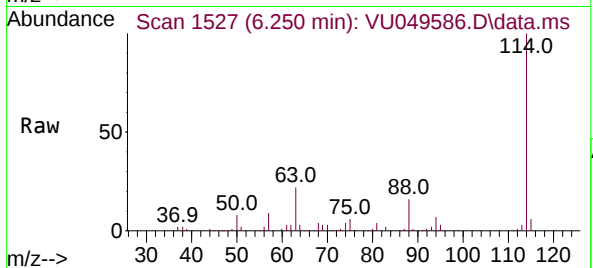
Tgt Ion:114 Resp: 356724

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.327 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

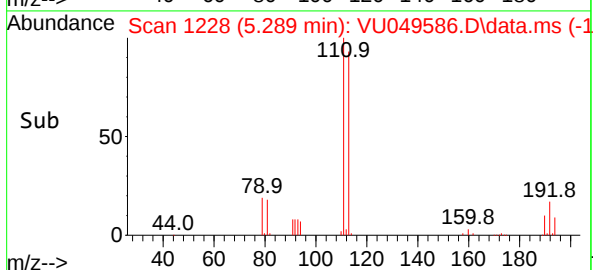
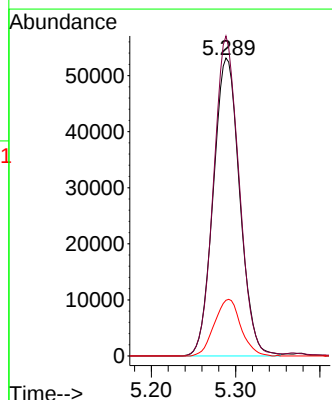
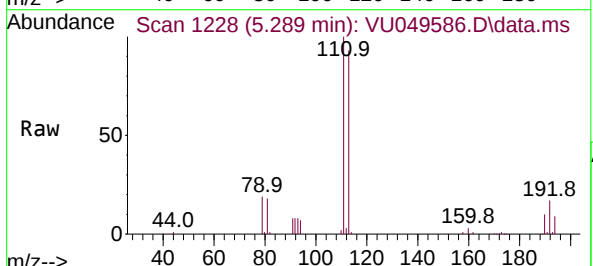
Tgt Ion:113 Resp: 115620

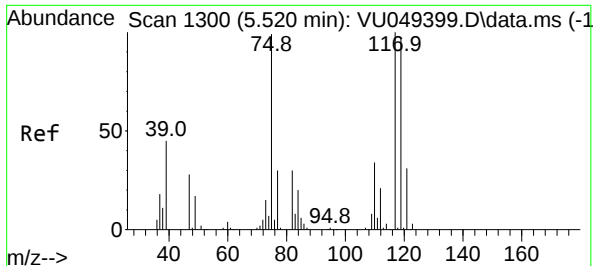
Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 19.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

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ClientSampleId :

152140-SPC-09-30

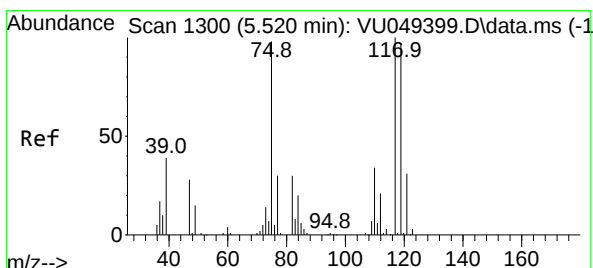
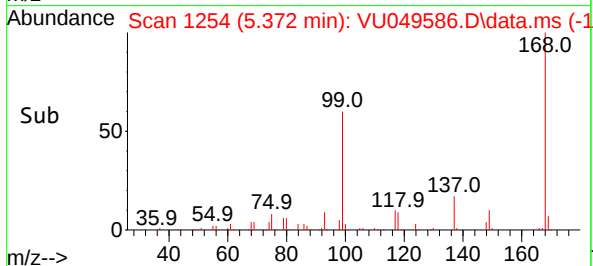
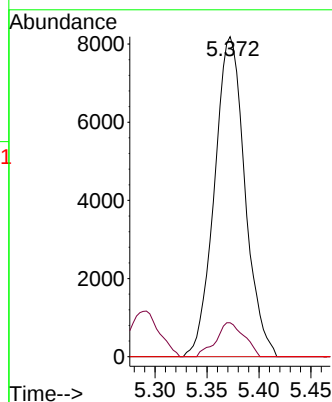
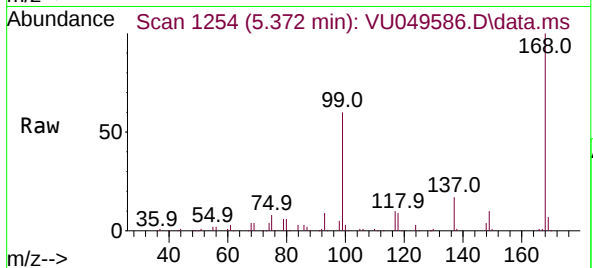
Tgt Ion: 75 Resp: 16716

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

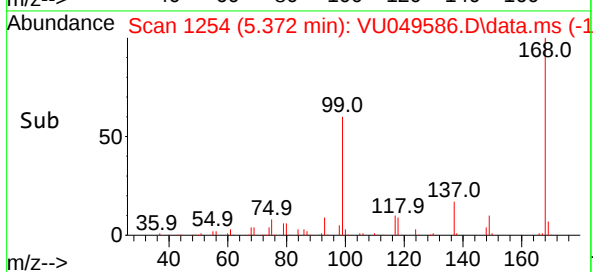
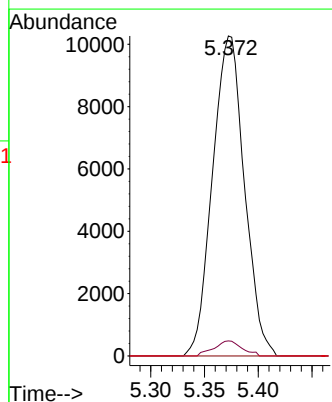
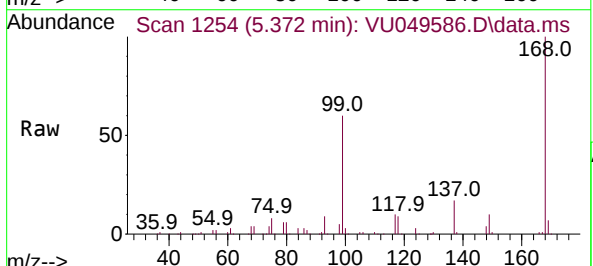
Tgt Ion: 117 Resp: 21151

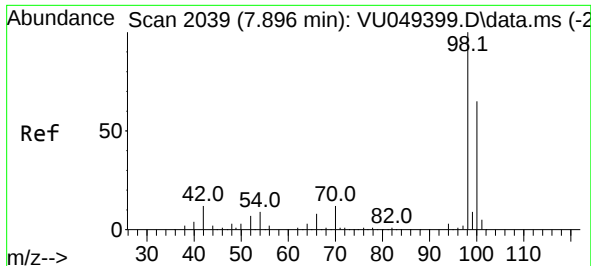
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.7 37.1#

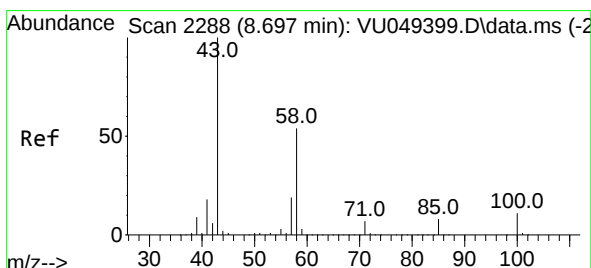
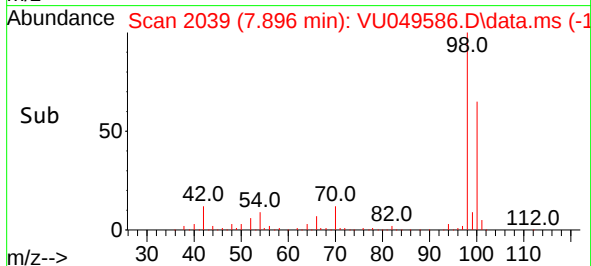
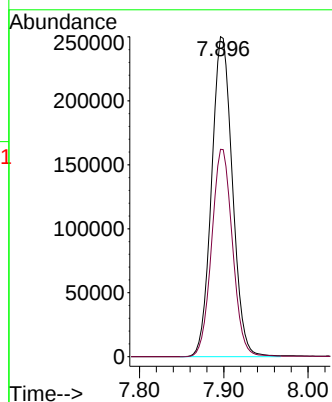
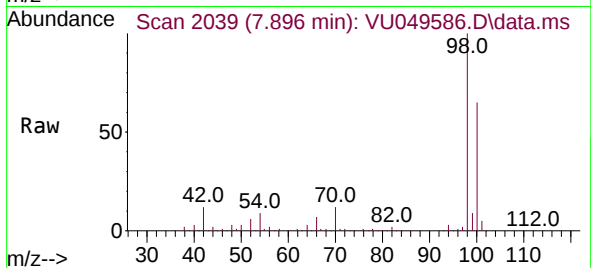




#50
Toluene-d8
Concen: 48.272 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

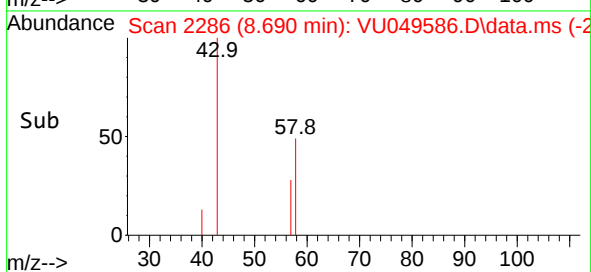
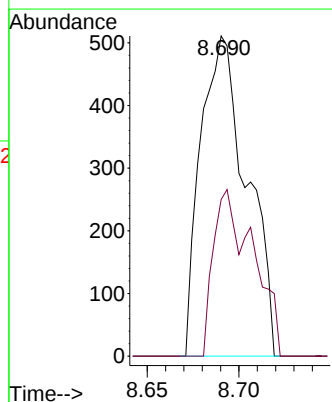
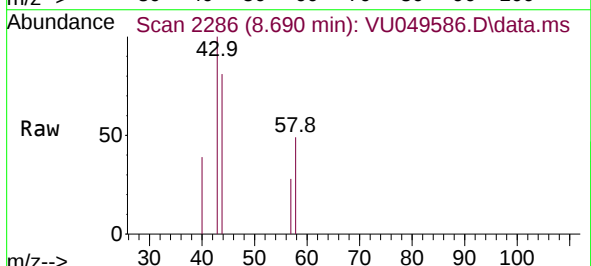
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

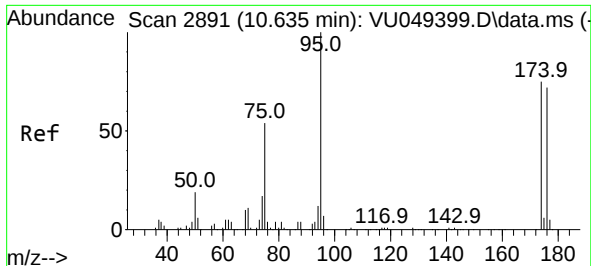
Tgt Ion: 98 Resp: 429702
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. -0.006 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 26.2 30.3 90.8#





#62

4-Bromofluorobenzene

Concen: 45.733 ug/l

RT: 10.632 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-30

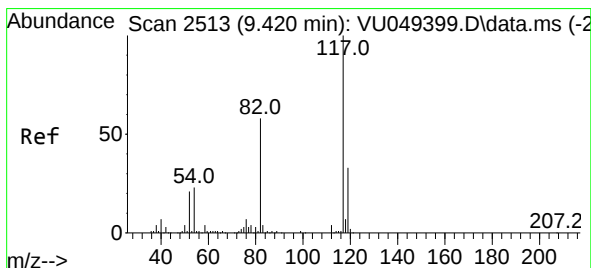
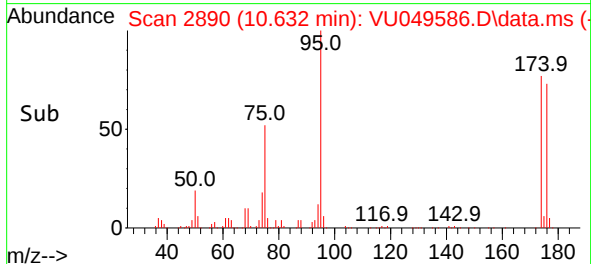
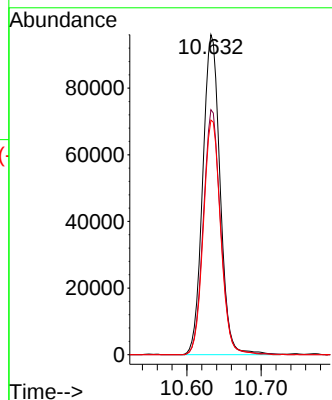
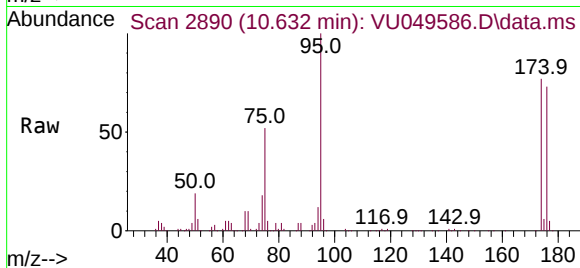
Tgt Ion: 95 Resp: 155946

Ion Ratio Lower Upper

95 100

174 76.1 0.0 182.0

176 72.9 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: VU049586.D

Acq: 01 Jul 2022 16:55

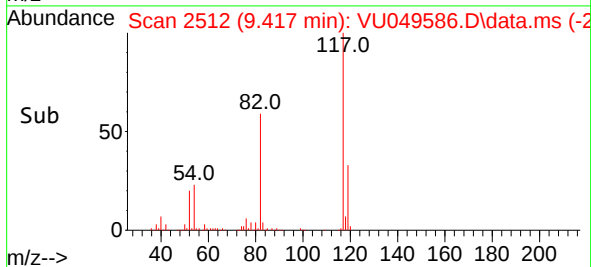
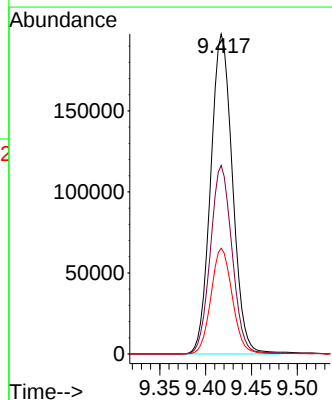
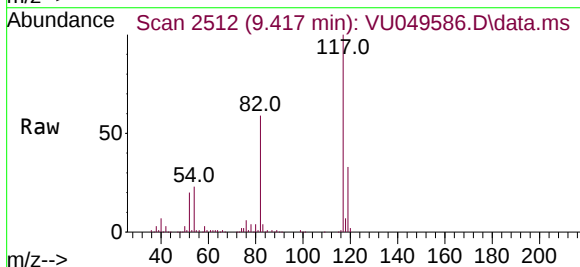
Tgt Ion: 117 Resp: 327584

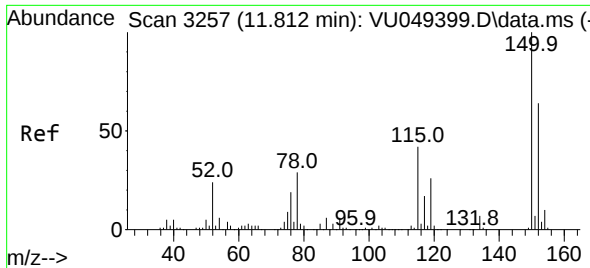
Ion Ratio Lower Upper

117 100

82 58.9 41.7 62.5

119 33.1 25.7 38.5

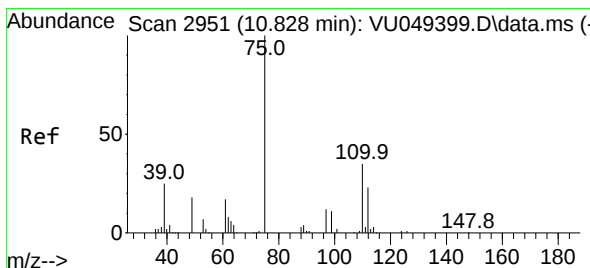
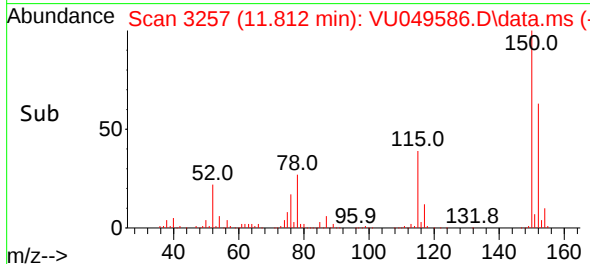
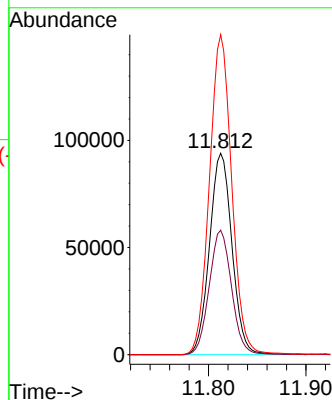
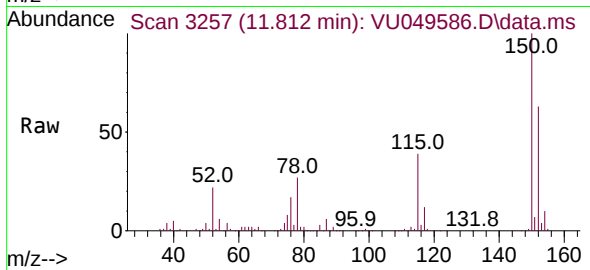




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049586.D
 Acq: 01 Jul 2022 16:55

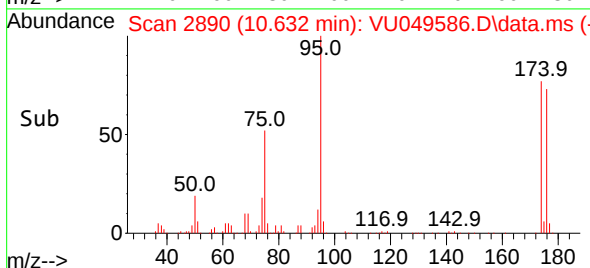
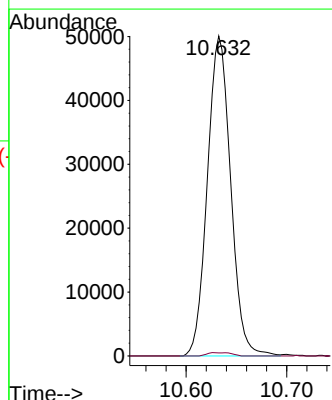
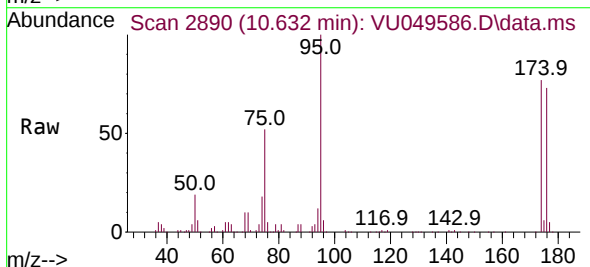
Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-30

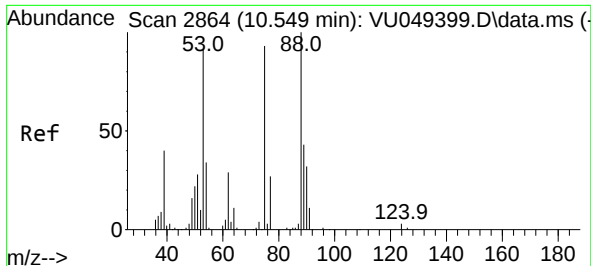
Tgt Ion:152 Resp: 150774
 Ion Ratio Lower Upper
 152 100
 115 61.3 37.0 110.9
 150 157.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.777 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049586.D
 Acq: 01 Jul 2022 16:55

Tgt Ion: 75 Resp: 80638
 Ion Ratio Lower Upper
 75 100
 77 0.6 15.8 47.3#

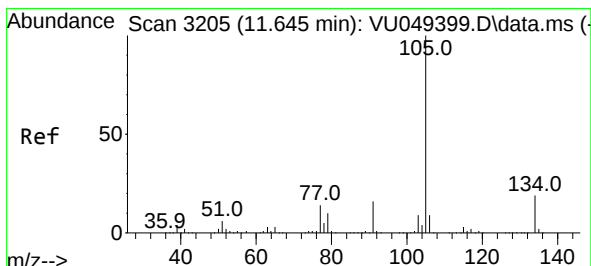
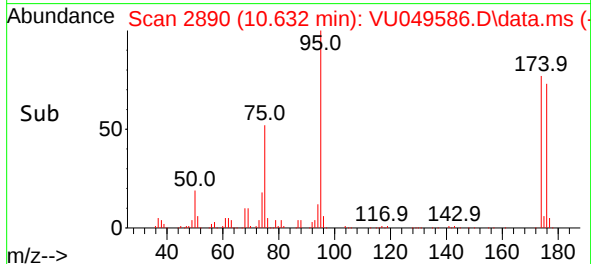
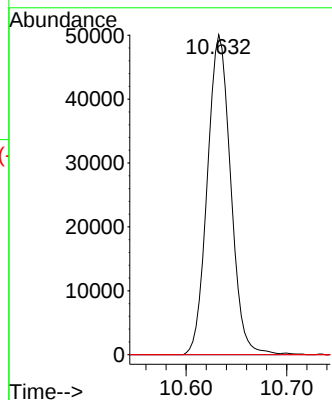
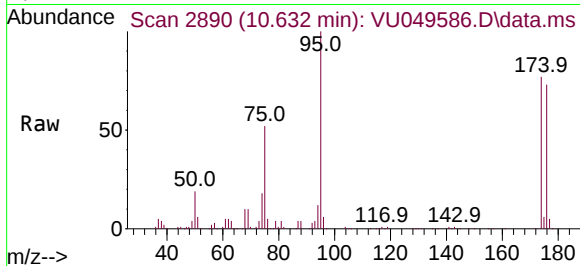




#81
trans-1,4-Dichloro-2-butene
Concen: 58.263 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

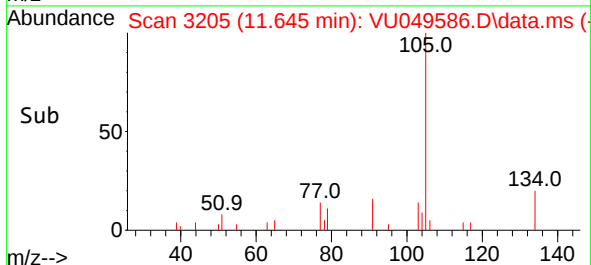
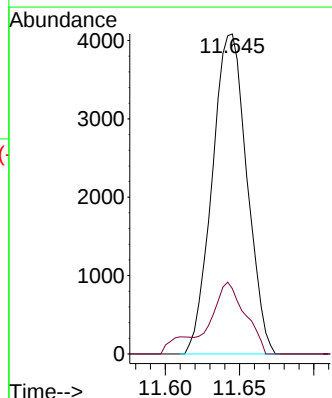
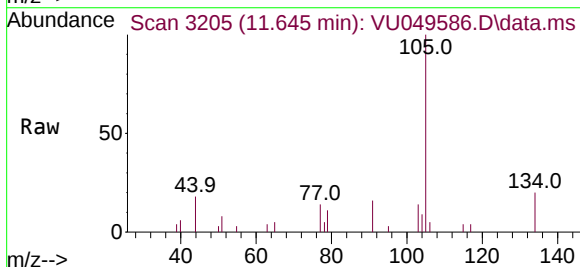
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

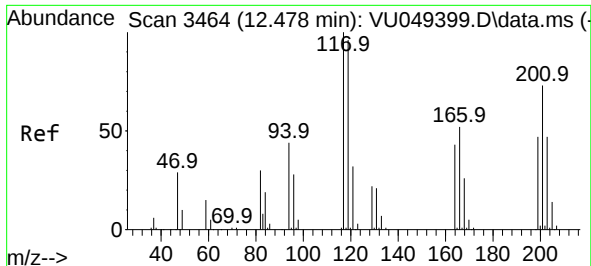
Tgt Ion: 75 Resp: 80638
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.572 ug/l
RT: 11.645 min Scan# 3205
Delta R.T. 0.000 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion: 105 Resp: 6634
Ion Ratio Lower Upper
105 100
134 21.1 10.4 31.1

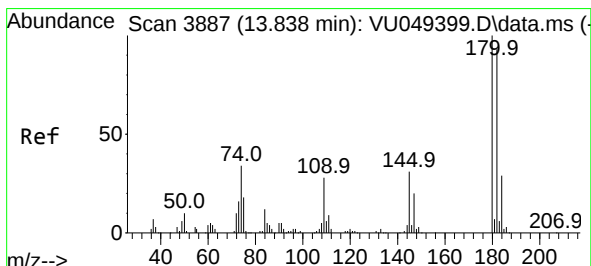
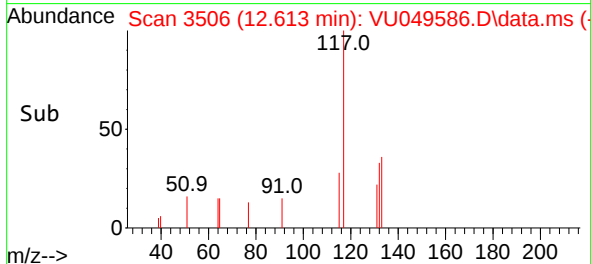
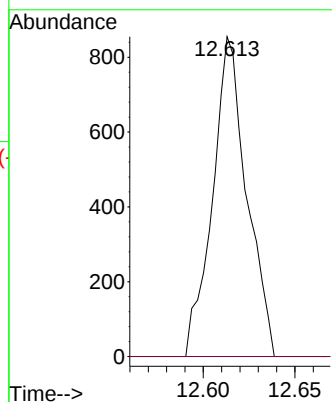
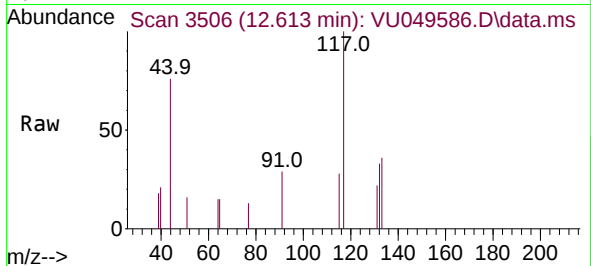




#90
Hexachloroethane
Concen: 0.592 ug/l
RT: 12.613 min Scan# 3506
Delta R.T. 0.135 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

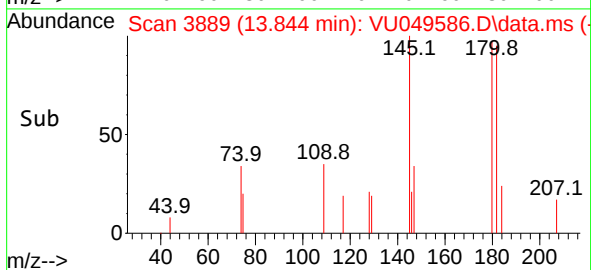
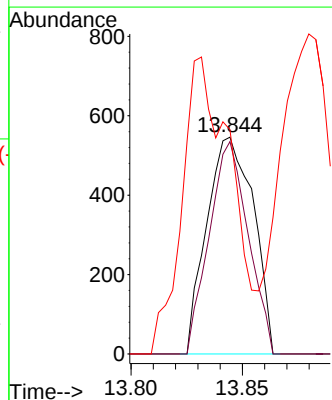
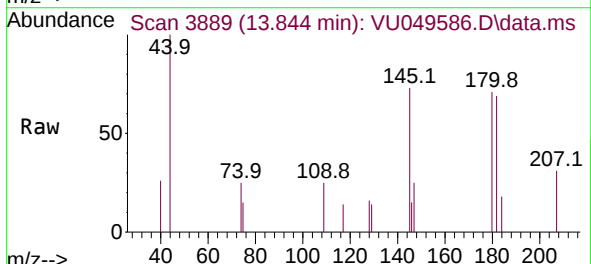
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-30

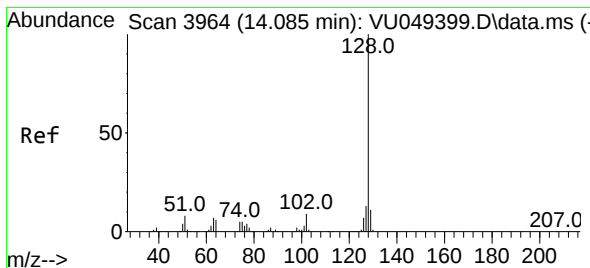
Tgt Ion:117 Resp: 1106
Ion Ratio Lower Upper
117 100
201 0.0 44.6 134.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.981 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049586.D
Acq: 01 Jul 2022 16:55

Tgt Ion:180 Resp: 794
Ion Ratio Lower Upper
180 100
182 82.0 47.9 143.6
145 146.2 14.0 41.9#





#95

Naphthalene

Concen: 2.061 ug/l

RT: 14.092 min Scan# 3969

Delta R.T. 0.007 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-30

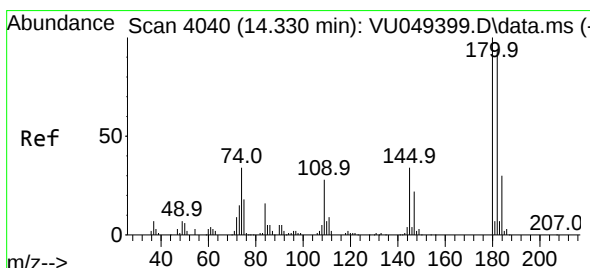
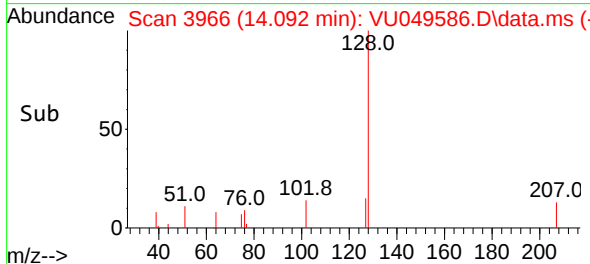
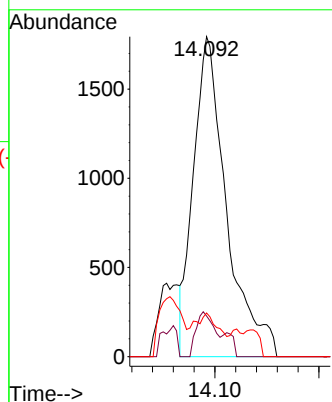
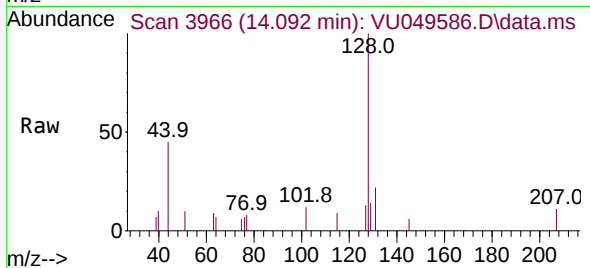
Tgt Ion:128 Resp: 3969

Ion Ratio Lower Upper

128 100

127 7.7 10.3 15.5#

129 5.2 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.360 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049586.D

Acq: 01 Jul 2022 16:55

Tgt Ion:180 Resp: 650

Ion Ratio Lower Upper

180 100

182 94.9 48.4 145.0

145 484.2 14.8 44.4#

