

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050880.D
 Acq On : 21 Sep 2022 17:12
 Operator : JC/MD
 Sample : N4650-17DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

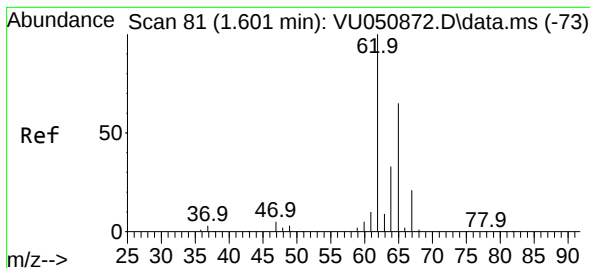
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ12DL

Quant Time: Sep 22 02:14:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	318825	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	301500	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	103911	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	138270	41.859	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.720%		
7) Chloroethane-d5	1.900	69	109936	46.731	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.460%		
11) 1,1-Dichloroethene-d2	2.562	63	169482	32.974	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.940%		
21) 2-Butanone-d5	4.620	46	281540	132.019	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	132.020%#		
24) Chloroform-d	5.231	84	222	0.043	ug/L	0.17
Spiked Amount 50.000	Range 70 - 125		Recovery =	0.080%#		
26) 1,2-Dichloroethane-d4	5.700	65	155191	48.646	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.300%		
32) Benzene-d6	5.726	84	466213	46.946	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
36) 1,2-Dichloropropane-d6	6.690	67	162714	48.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.080%		
41) Toluene-d8	7.896	98	354259	40.810	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.620%		
43) trans-1,3-Dichloroprop...	8.179	79	61719	42.324	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.640%		
47) 2-Hexanone-d5	8.632	63	152038	110.061	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.060%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	246395	48.212	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.420%		
66) 1,2-Dichlorobenzene-d4	12.192	152	113607	52.218	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.440%		
Target Compounds						
5) Vinyl chloride	1.601	62	8221	2.188	ug/L #	64
8) Chloroethane	1.922	64	14072	6.764	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1561	0.598	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	2858	1.166	ug/L #	1
19) 1,1-Dichloroethane	3.867	63	73800	14.538	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	107842	38.716	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	69800	17.402	ug/L	99
31) Carbon tetrachloride	5.314	117	8791	2.638	ug/L	94
37) 1,2-Dichloropropane	6.687	63	16821	5.540	ug/L #	89
44) trans-1,3-Dichloropropene	8.176	75	2623	0.679	ug/L	95

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



#5

Vinyl chloride

Concen: 2.188 ug/L

RT: 1.601 min Scan# 81

Delta R.T. 0.000 min

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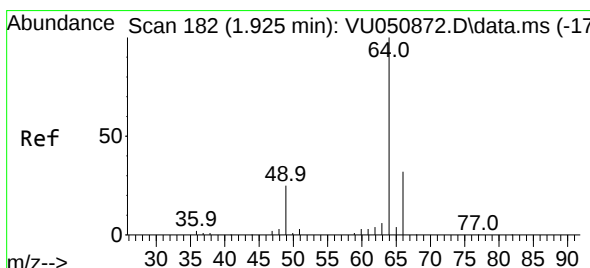
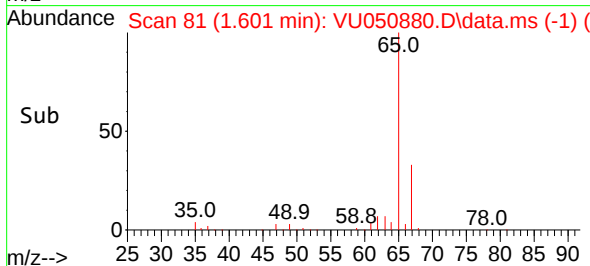
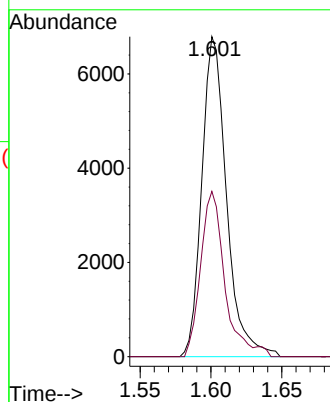
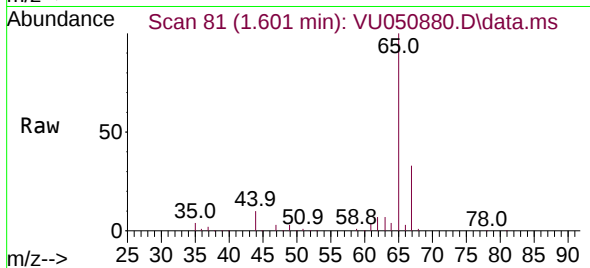
EXZ12DL

Tgt Ion: 62 Resp: 8221

Ion Ratio Lower Upper

62 100

64 51.6 22.2 41.2#



#8

Chloroethane

Concen: 6.764 ug/L

RT: 1.922 min Scan# 181

Delta R.T. -0.003 min

Lab File: VU050880.D

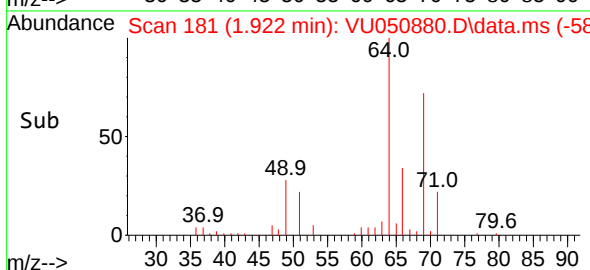
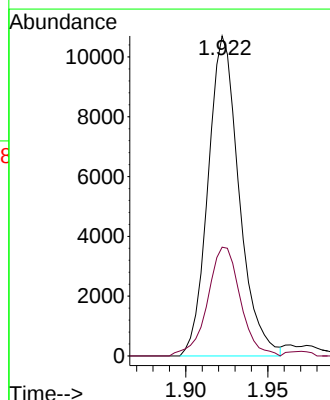
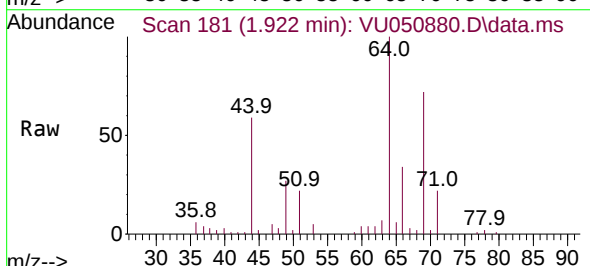
Acq: 21 Sep 2022 17:12

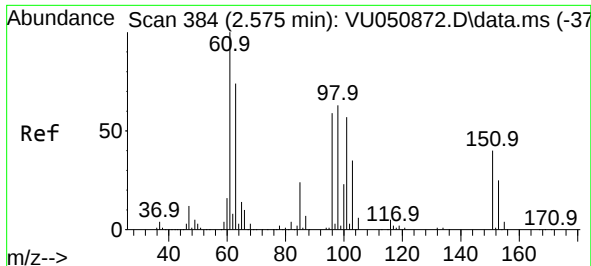
Tgt Ion: 64 Resp: 14072

Ion Ratio Lower Upper

64 100

66 34.0 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.598 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.013 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

Instrument :

MSVOA_U

ClientSampleId :

EXZ12DL

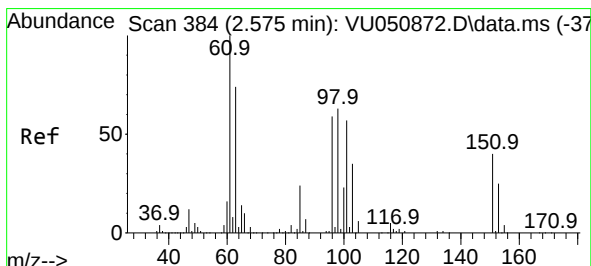
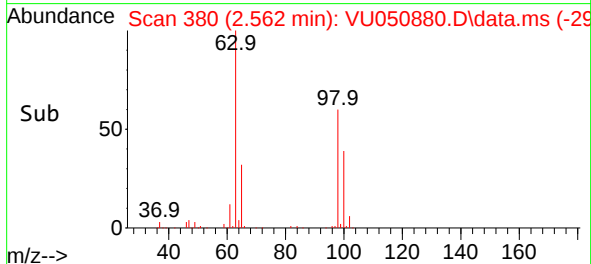
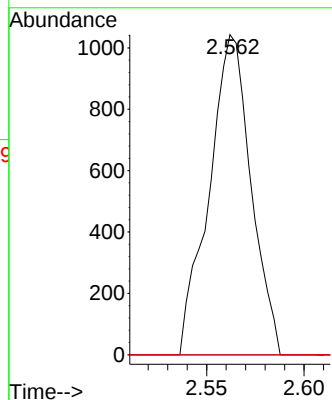
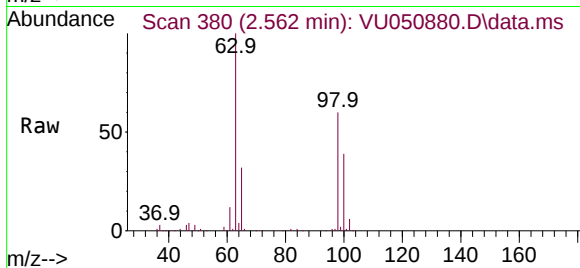
Tgt Ion:101 Resp: 1561

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.166 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.006 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

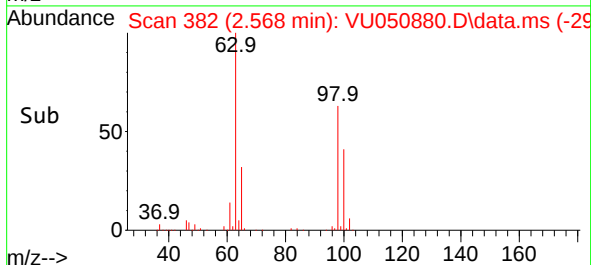
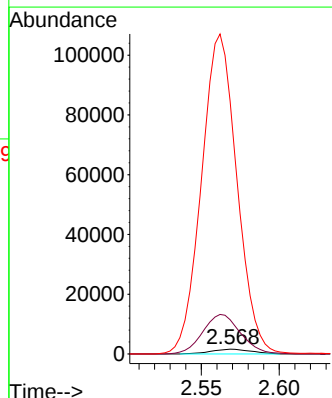
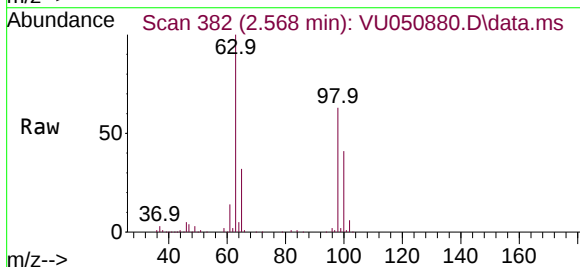
Tgt Ion: 96 Resp: 2858

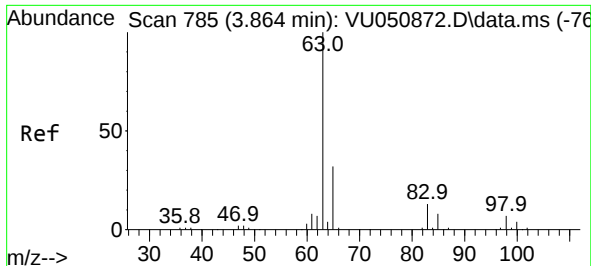
Ion Ratio Lower Upper

96 100

61 719.1 118.6 220.2#

63 5310.7 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 14.538 ug/L

RT: 3.867 min Scan# 785

Delta R.T. 0.003 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

Instrument :

MSVOA_U

ClientSampleId :

EXZ12DL

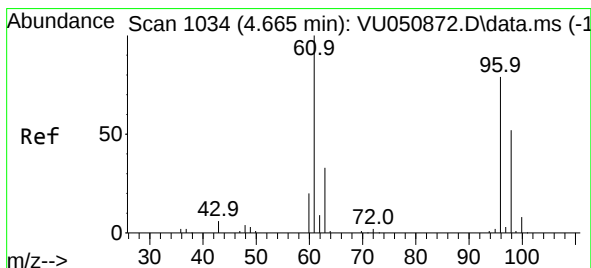
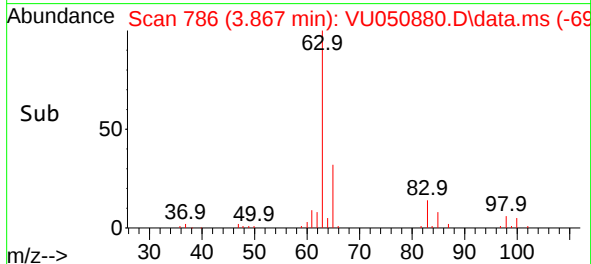
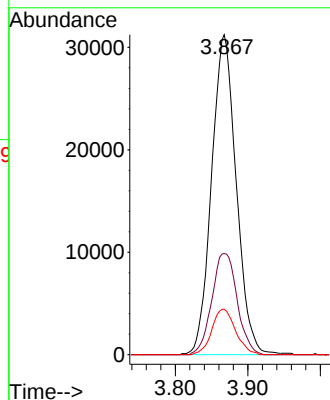
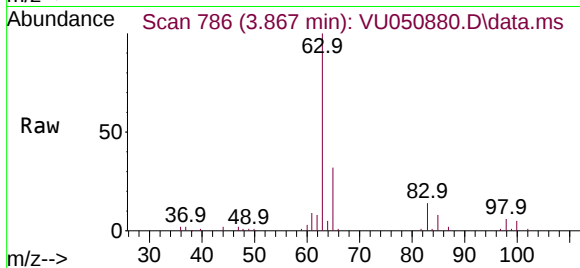
Tgt Ion: 63 Resp: 73800

Ion Ratio Lower Upper

63 100

65 31.6 21.5 39.9

83 14.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 38.716 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

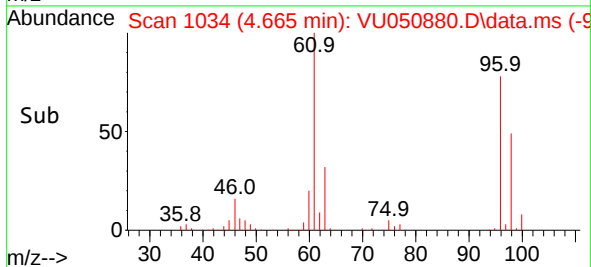
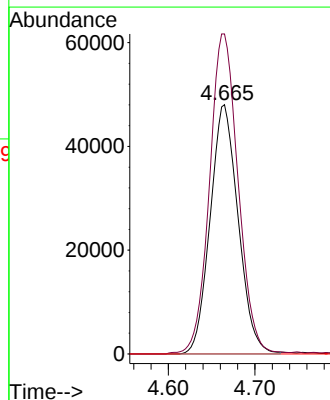
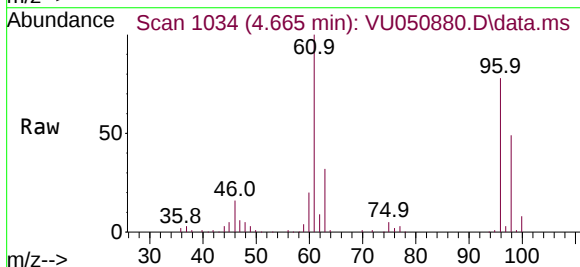
Tgt Ion: 96 Resp: 107842

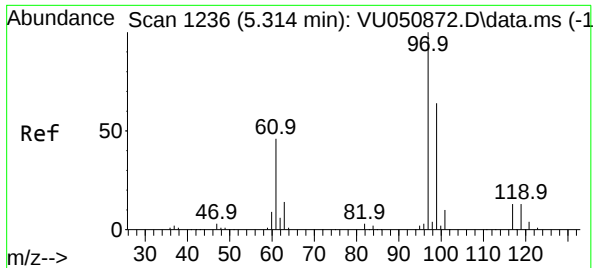
Ion Ratio Lower Upper

96 100

61 128.4 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 17.402 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

Instrument :

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ClientSampleId :

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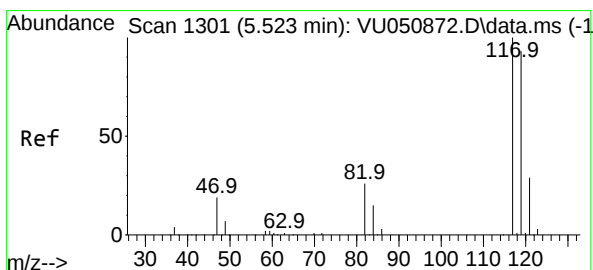
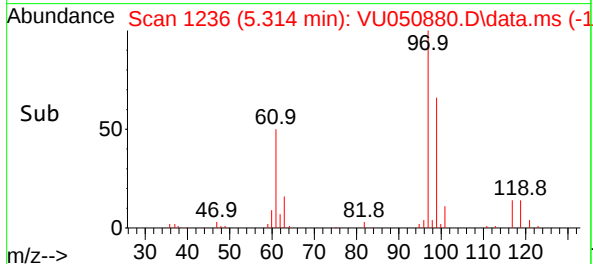
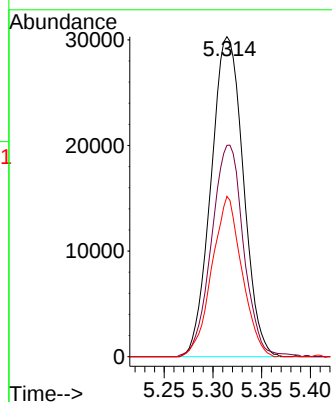
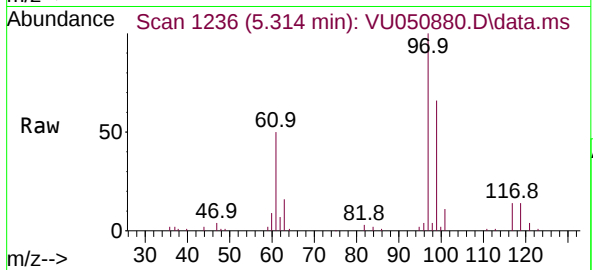
Tgt Ion: 97 Resp: 69800

Ion Ratio Lower Upper

97 100

99 65.8 52.2 78.2

61 46.7 37.1 55.7



#31

Carbon tetrachloride

Concen: 2.638 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.209 min

Lab File: VU050880.D

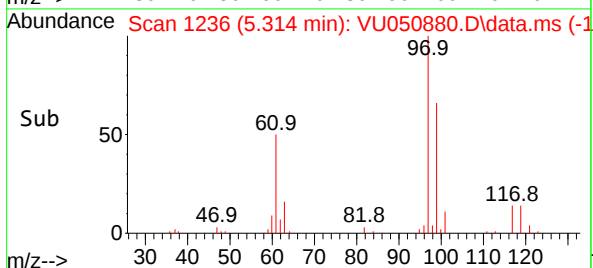
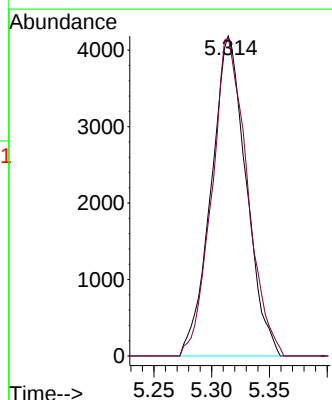
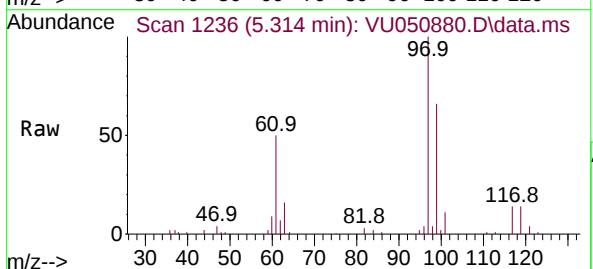
Acq: 21 Sep 2022 17:12

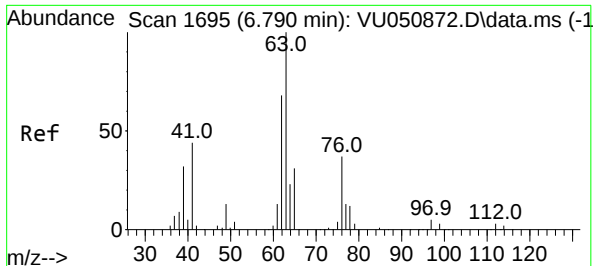
Tgt Ion: 117 Resp: 8791

Ion Ratio Lower Upper

117 100

119 100.4 76.0 114.0





#37

1,2-Dichloropropane

Concen: 5.540 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

Instrument :

MSVOA_U

ClientSampleId :

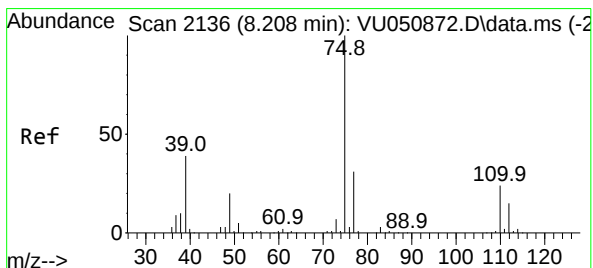
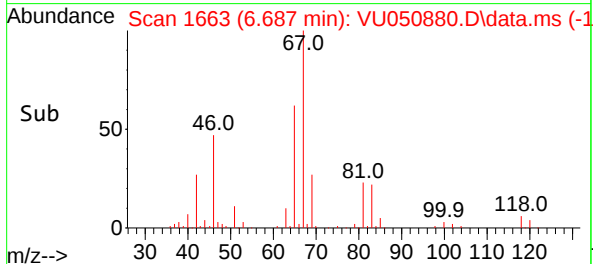
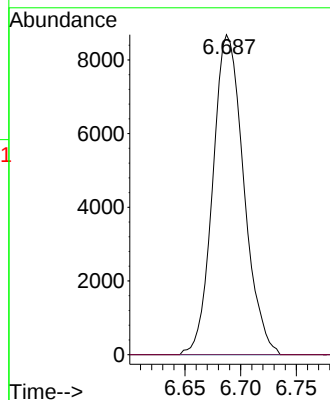
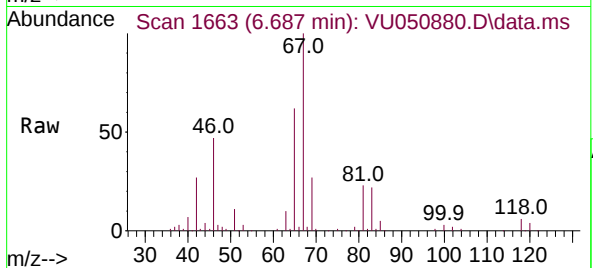
EXZ12DL

Tgt Ion: 63 Resp: 16821

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



#44

trans-1,3-Dichloropropene

Concen: 0.679 ug/L

RT: 8.176 min Scan# 2126

Delta R.T. -0.032 min

Lab File: VU050880.D

Acq: 21 Sep 2022 17:12

Tgt Ion: 75 Resp: 2623

Ion Ratio Lower Upper

75 100

77 28.7 21.9 40.7

