

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047975.D
 Acq On : 12 Apr 2022 22:52
 Operator : SY/MD
 Sample : N2345-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 04:51:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 04:40:51 2022
 Response via : Initial Calibration

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

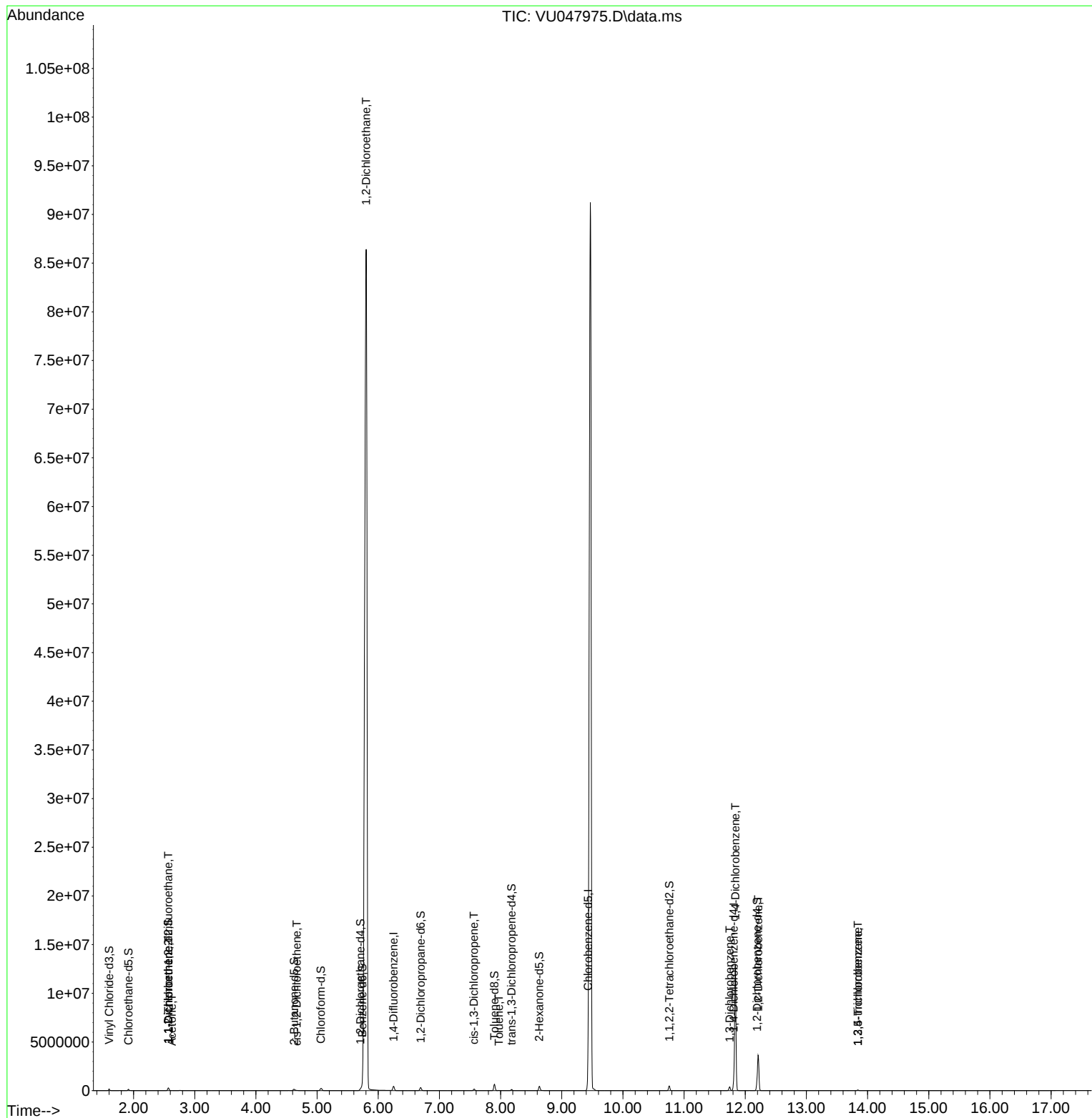
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	374184	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	399997	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.812	152	231499	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	128197	47.245	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.500%
7) Chloroethane-d5	1.916	69	108052	50.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.568	63	163363	32.906	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.820%
21) 2-Butanone-d5	4.623	46	201389	86.470	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.470%
24) Chloroform-d	5.063	84	225837	45.487	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.980%
26) 1,2-Dichloroethane-d4	5.710	65	146975	48.267	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.540%
32) Benzene-d6	5.739	84	480760	47.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.540%
36) 1,2-Dichloropropane-d6	6.693	67	152436	49.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.640%
41) Toluene-d8	7.899	98	431414	43.993	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.980%
43) trans-1,3-Dichloroprop...	8.179	79	62764	40.079	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.160%
47) 2-Hexanone-d5	8.632	63	156195	86.319	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.320%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	238494	44.958	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.920%
66) 1,2-Dichlorobenzene-d4	12.195	152	203399	49.386	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.780%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1592	0.577	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1270	0.495	ug/L #	1
13) Acetone	2.626	43	9239	4.263	ug/L	91
20) cis-1,2-Dichloroethene	4.668	96	8445	2.782	ug/L	99
27) 1,2-Dichloroethane	5.803	62	1292540	325.452	ug/L #	75
39) cis-1,3-Dichloropropene	7.565	75	3818	0.836	ug/L #	60
42) Toluene	7.973	91	14689	1.156	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	158246	22.756	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	5374056	746.086	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	1468161	210.997	ug/L	99
69) 1,3,5-Trichlorobenzene	13.841	180	23507	4.162	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	23507	4.752	ug/L	99

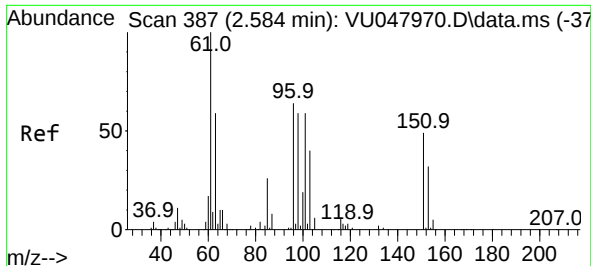
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 04:40:51 2022
Response via : Initial Calibration





#10

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

Concen: 0.577 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.016 min

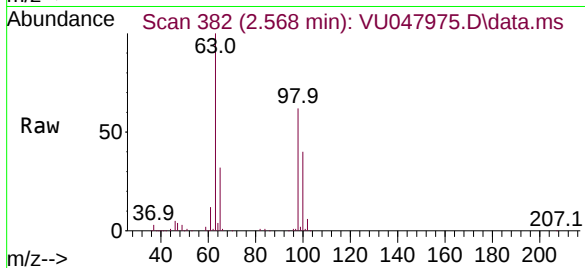
Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

Instrument :

MSVOA_U

ClientSampleId :



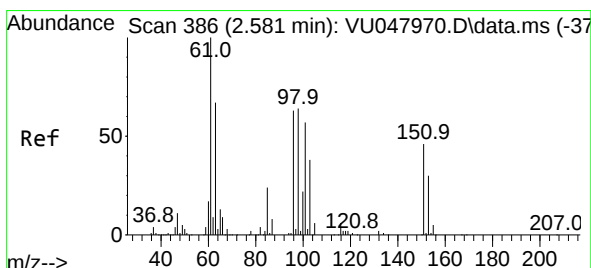
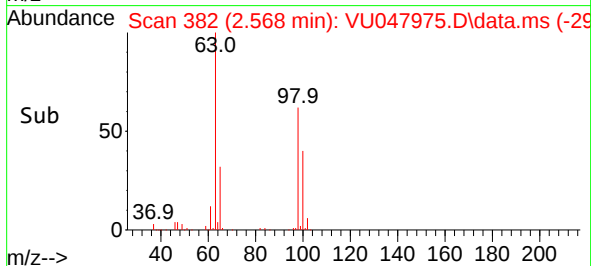
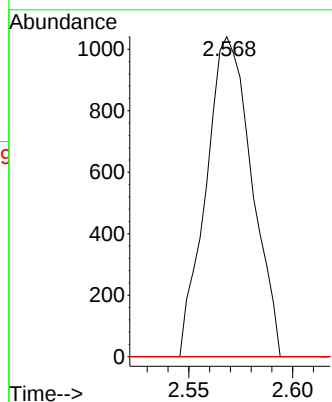
Tgt Ion:101 Resp: 1592

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 63.0 94.6#



#12

1,1-Dichloroethene

Concen: 0.495 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.010 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

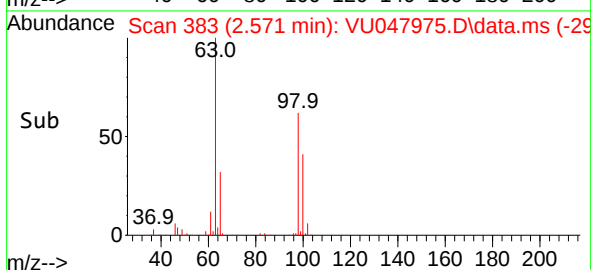
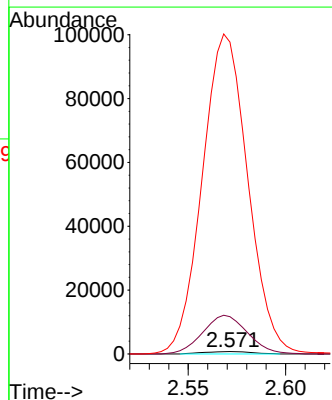
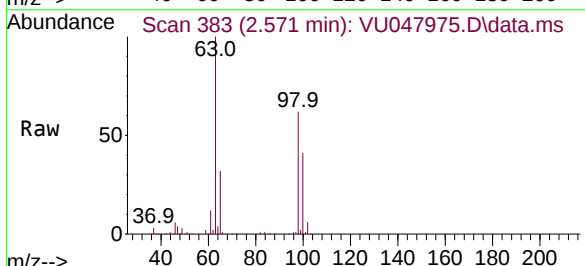
Tgt Ion: 96 Resp: 1270

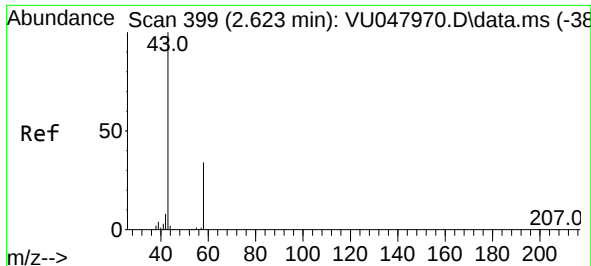
Ion Ratio Lower Upper

96 100

61 1589.1 113.1 210.1#

63 13306.8 94.8 176.0#





#13

Acetone

Concen: 4.263 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

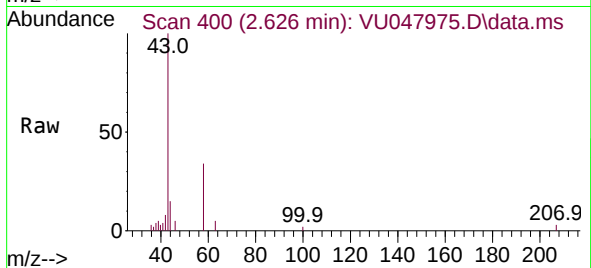
Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

Instrument :

MSVOA_U

ClientSampleId :

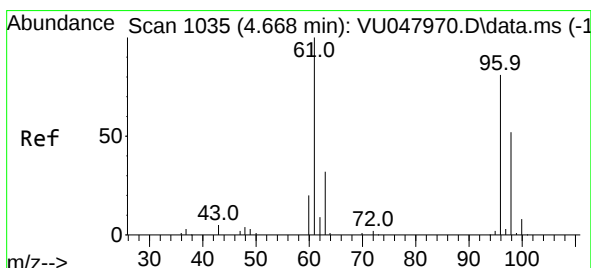
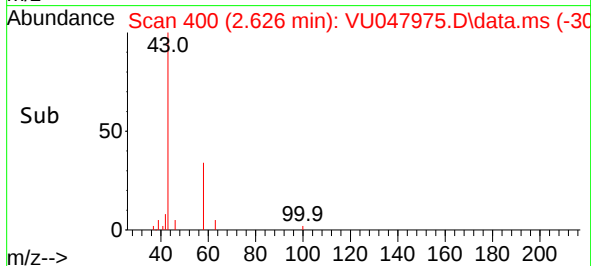
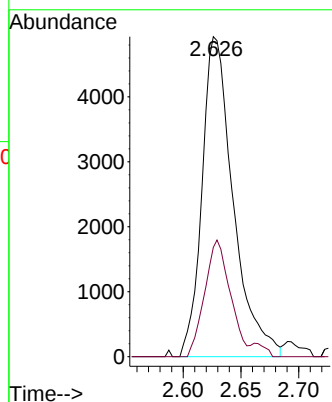


Tgt Ion: 43 Resp: 9239

Ion Ratio Lower Upper

43 100

58 29.7 0.0 70.0



#20

cis-1,2-Dichloroethene

Concen: 2.782 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

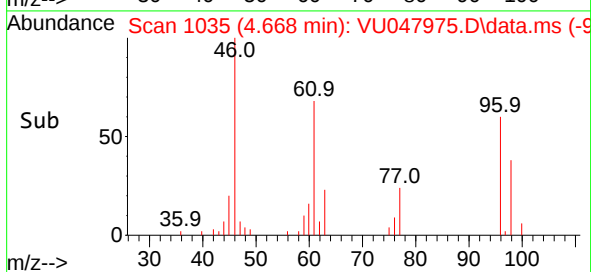
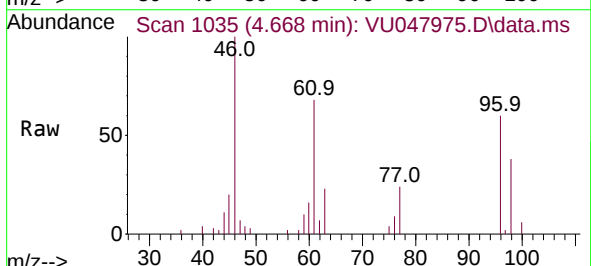
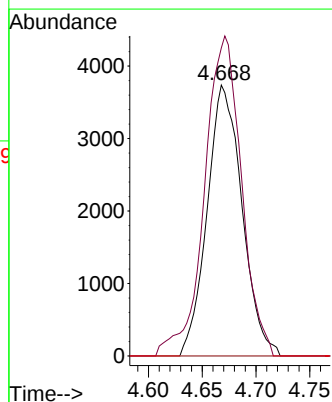
Tgt Ion: 96 Resp: 8445

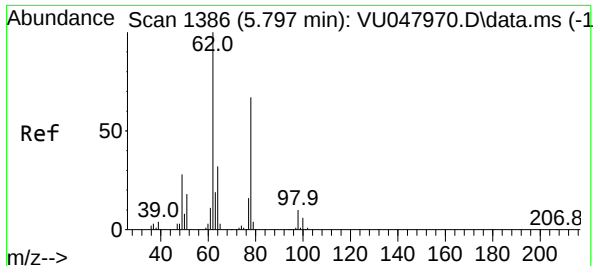
Ion Ratio Lower Upper

96 100

61 113.7 80.7 149.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 325.452 ug/L

RT: 5.803 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

Instrument :

MSVOA_U

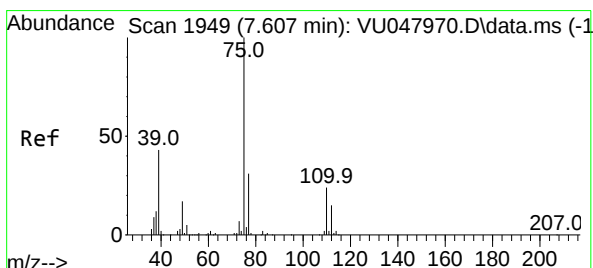
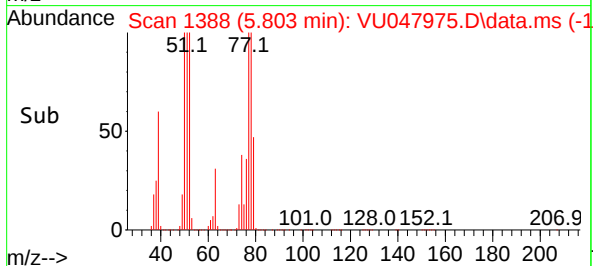
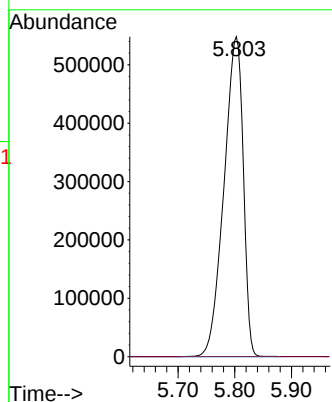
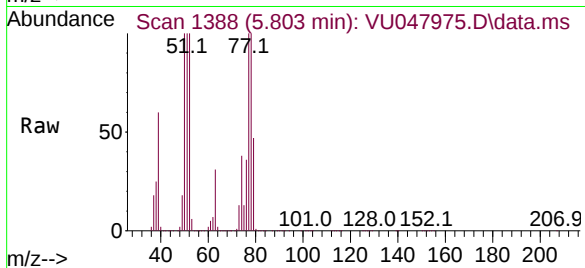
ClientSampleId :

Tgt Ion: 62 Resp: 1292540

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#39

cis-1,3-Dichloropropene

Concen: 0.836 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU047975.D

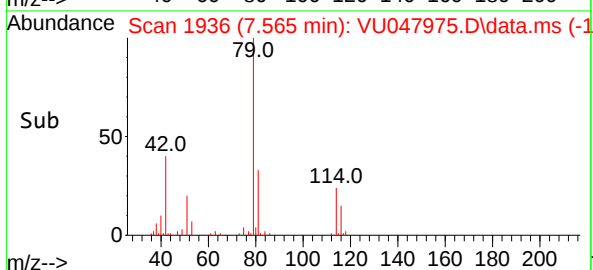
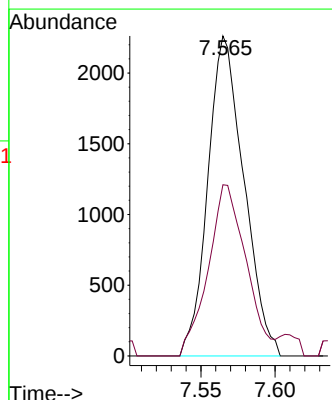
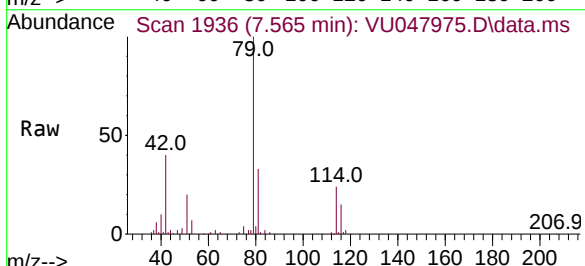
Acq: 12 Apr 2022 22:52

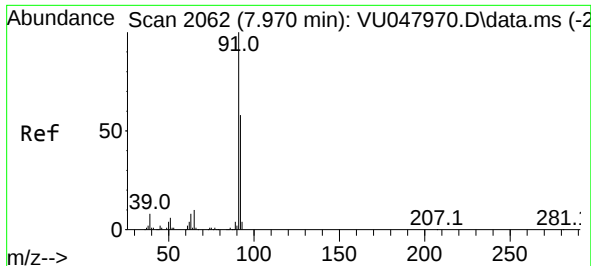
Tgt Ion: 75 Resp: 3818

Ion Ratio Lower Upper

75 100

77 53.5 21.8 40.6#





#42

Toluene

Concen: 1.156 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

Instrument :

MSVOA_U

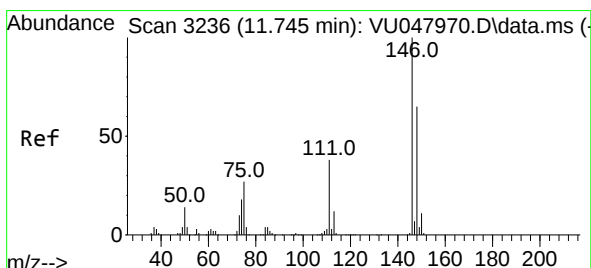
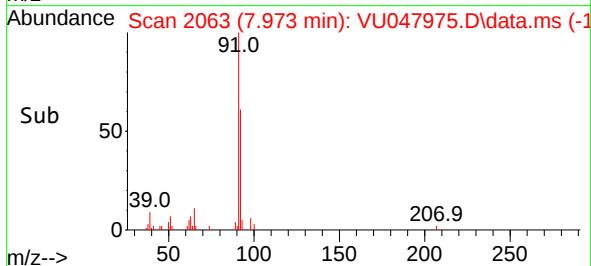
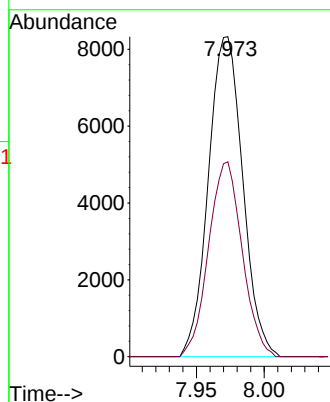
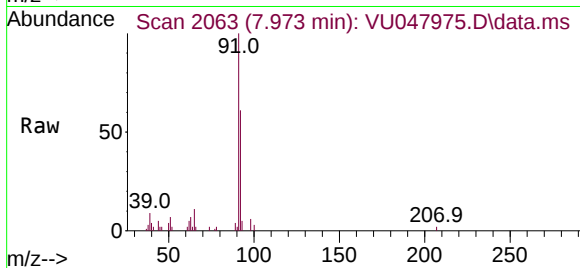
ClientSampleId :

Tgt Ion: 91 Resp: 14689

Ion Ratio Lower Upper

91 100

92 60.9 40.4 75.0



#64

1,3-Dichlorobenzene

Concen: 22.756 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. -0.000 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

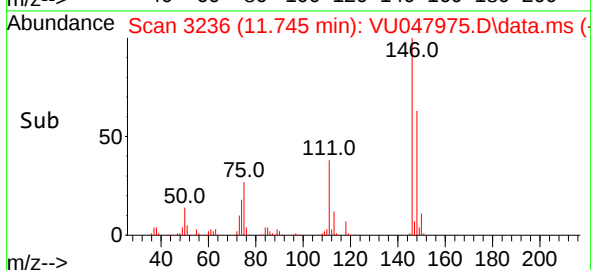
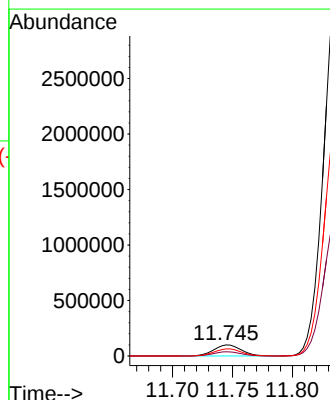
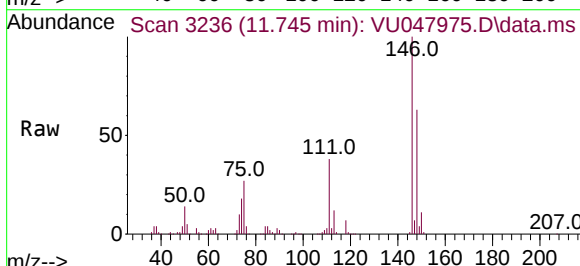
Tgt Ion: 146 Resp: 158246

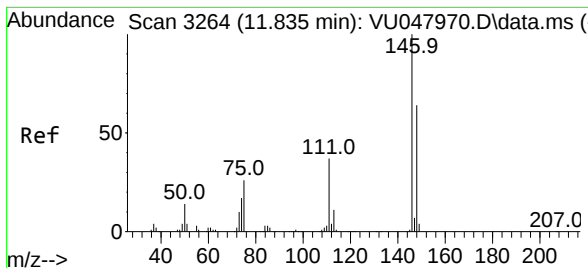
Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

148 63.3 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 746.086 ug/L

RT: 11.838 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

Instrument :

MSVOA_U

ClientSampleId :

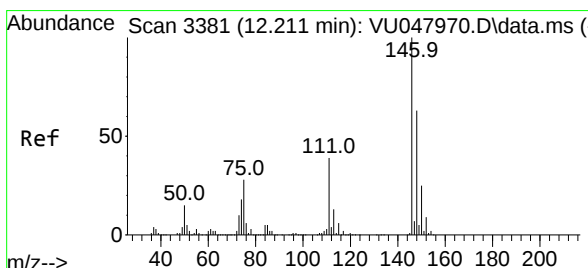
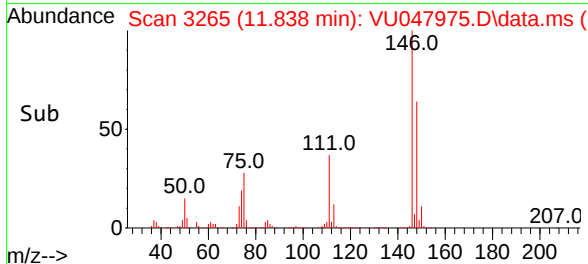
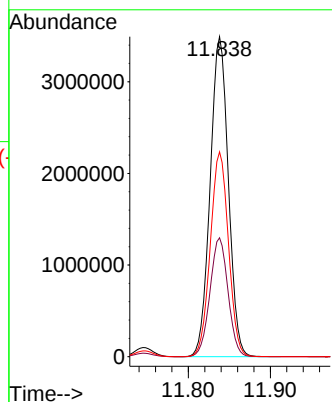
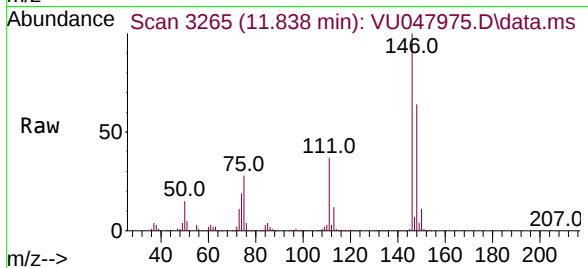
Tgt Ion:146 Resp: 5374056

Ion Ratio Lower Upper

146 100

111 37.2 25.3 47.1

148 64.0 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 210.997 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.003 min

Lab File: VU047975.D

Acq: 12 Apr 2022 22:52

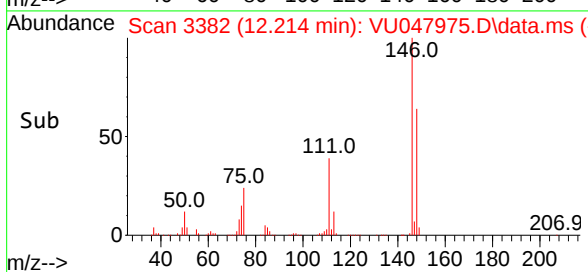
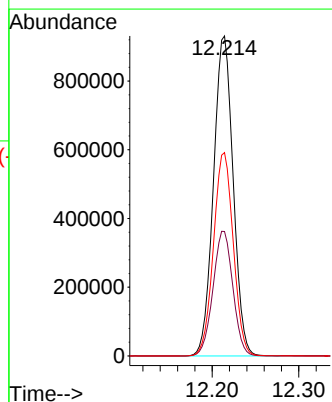
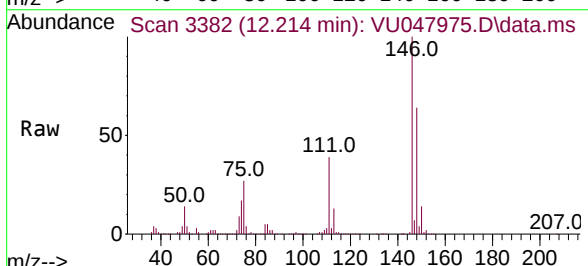
Tgt Ion:146 Resp: 1468161

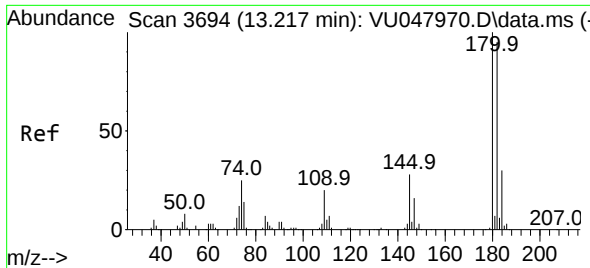
Ion Ratio Lower Upper

146 100

111 38.9 31.7 47.5

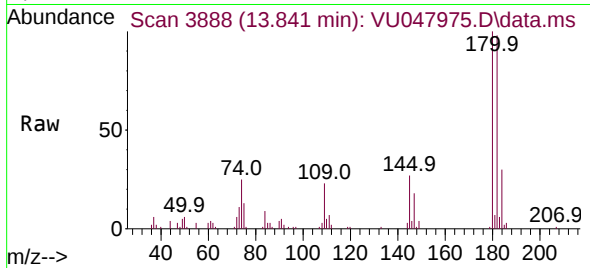
148 63.5 51.4 77.2



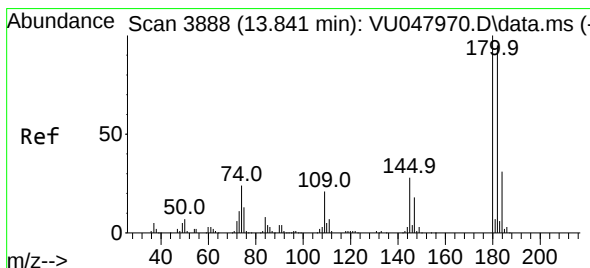
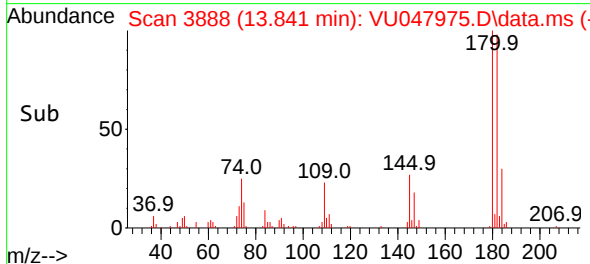
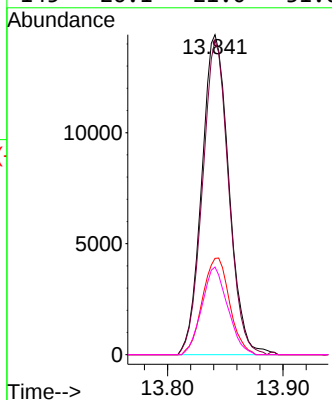


#69
 1,3,5-Trichlorobenzene
 Concen: 4.162 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.624 min
 Lab File: VU047975.D
 Acq: 12 Apr 2022 22:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 23507
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.0 115.6
 184 30.3 24.5 36.7
 145 26.1 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.752 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU047975.D
 Acq: 12 Apr 2022 22:52

Tgt Ion:180 Resp: 23507
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.2
 145 26.1 21.8 32.8

