

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038216.D
 Acq On : 18 May 2020 13:39
 Operator : JC/MD
 Sample : L2657-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:25:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	343101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338345	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158264	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117229	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	111738	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.59	63	148252	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.68	46	433613	56.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	5.10	84	212681	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.74	65	129816	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.76	84	433794	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.72	67	150589	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.92	98	369237	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.20	79	56987	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.65	63	328213	53.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	124960	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	142764	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15455	0.493 ug/L	97
9) Trichlorofluoromethane	2.16	101	211822	5.591 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6939	0.295 ug/L #	81
12) 1,1-Dichloroethene	2.60	96	5227	0.220 ug/L #	1
16) Methylene chloride	3.08	84	1990	0.072 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	22841	0.345 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	5556	0.214 ug/L	97
19) 1,1-Dichloroethane	3.91	63	12167	0.240 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	14358	0.513 ug/L	100
34) Trichloroethene	6.57	95	131684	4.859 ug/L	99
35) Methylcyclohexane	6.72	83	34703	0.791 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16003	0.544 ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	3572	0.085 ug/L #	51
47) Tetrachloroethene	8.57	164	112605	5.941 ug/L	98
48) 2-Hexanone	8.71	43	24945	1.670 ug/L #	90
49) Dibromochloromethane	8.57	129	104997	4.950 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	23093	1.169 ug/L	92

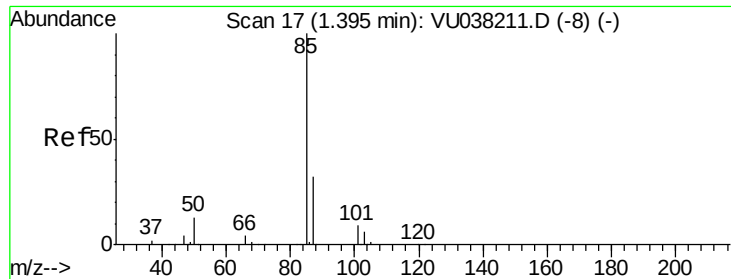
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
Data File : VU038216.D
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Operator : JC/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 18 22:23:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.493 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

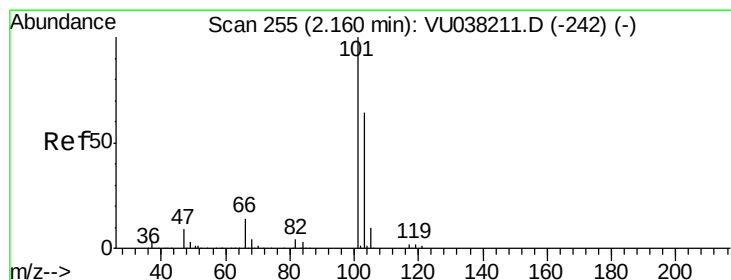
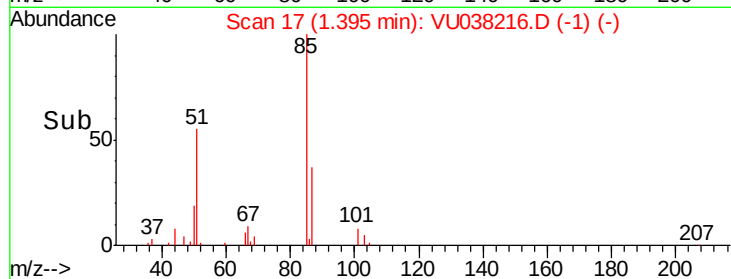
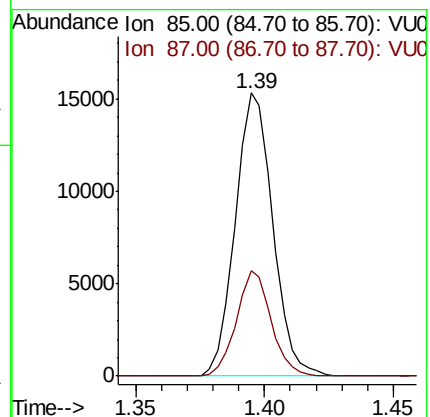
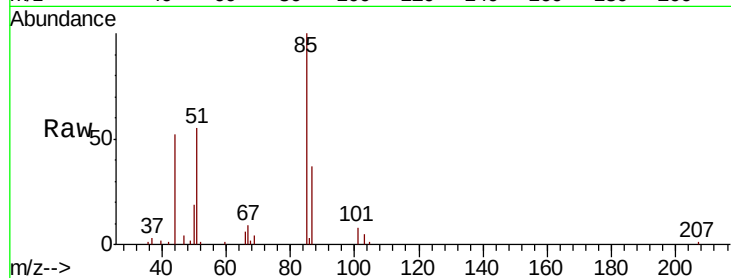
ClientSampleId :

Tot Ion: 85 Resp: 15455

Ion Ratio Lower Upper

85 100

87 34.3 26.2 39.4



#9

Trichlorofluoromethane

Concen: 5.591 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038216.D

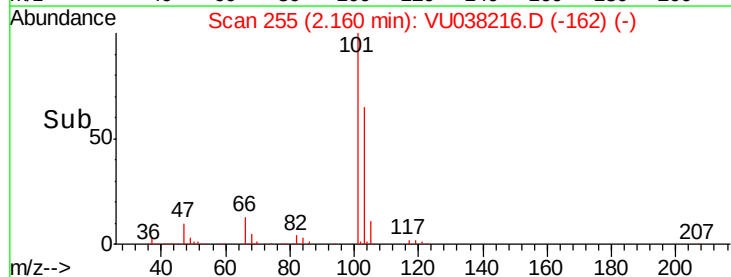
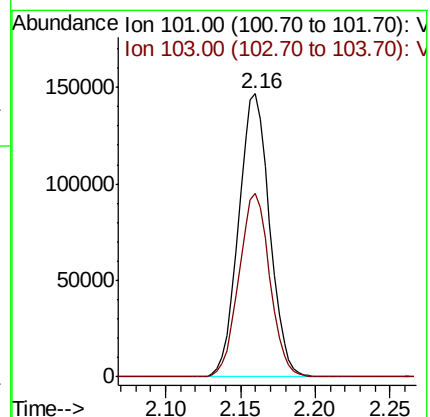
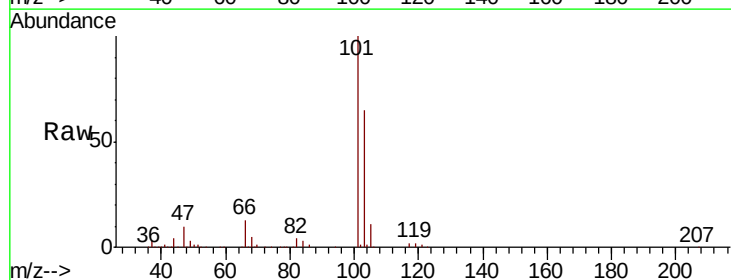
Acq: 18 May 2020 13:39

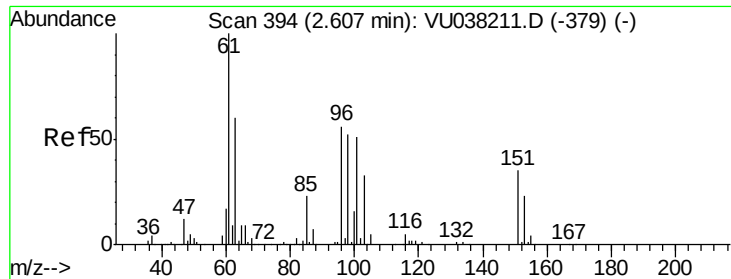
Tgt Ion: 101 Resp: 211822

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.4





#10

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

Concen: 0.295 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

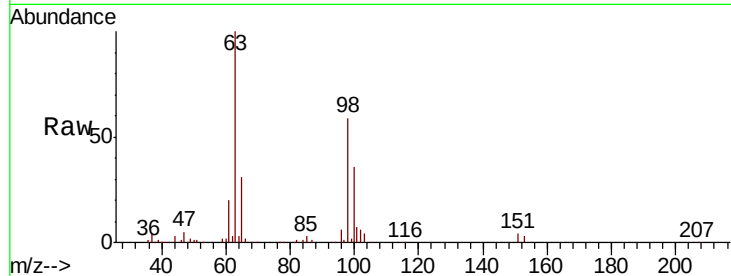
Tot Ion:101 Resp: 6939

Ion Ratio Lower Upper

101 100

85 34.2 35.3 52.9#

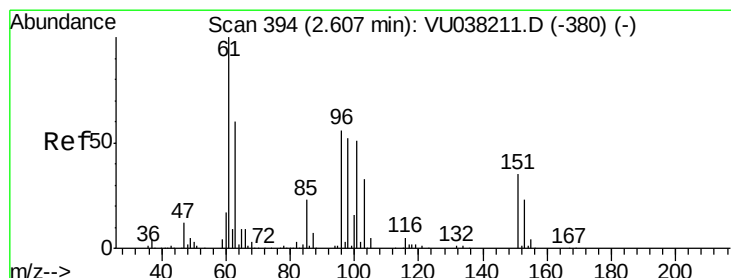
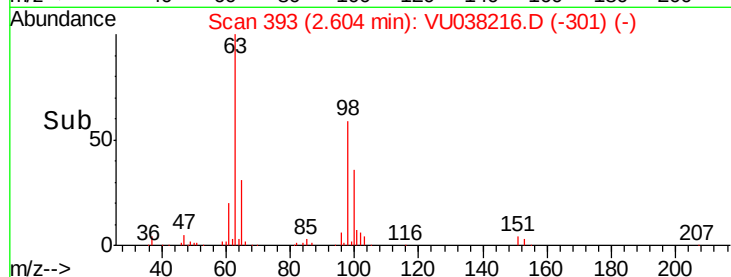
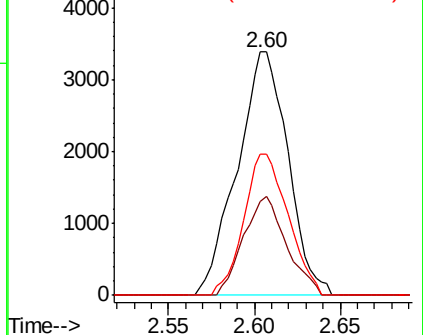
151 50.5 54.2 81.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.220 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

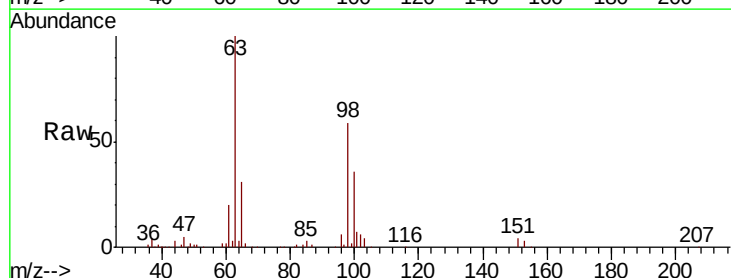
Tgt Ion: 96 Resp: 5227

Ion Ratio Lower Upper

96 100

61 342.3 126.2 234.4#

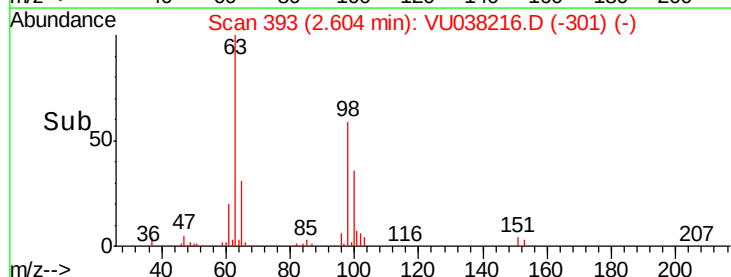
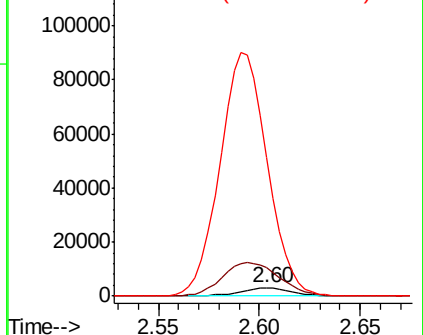
63 1702.1 96.9 179.9#

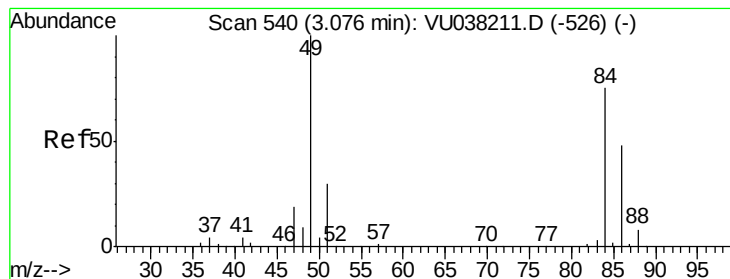


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.072 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

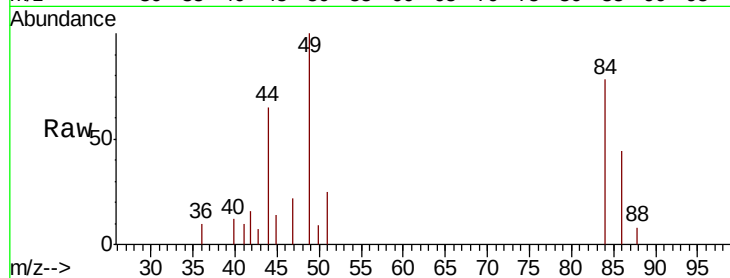
Tot Ion: 84 Resp: 1990

Ion Ratio Lower Upper

84 100

86 56.9 44.9 83.3

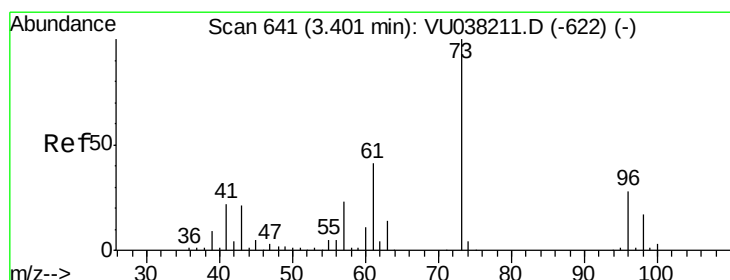
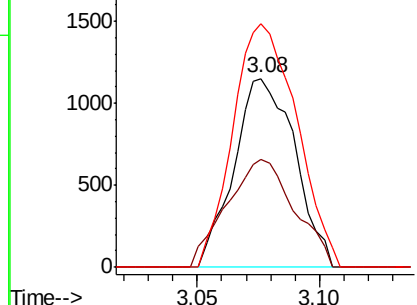
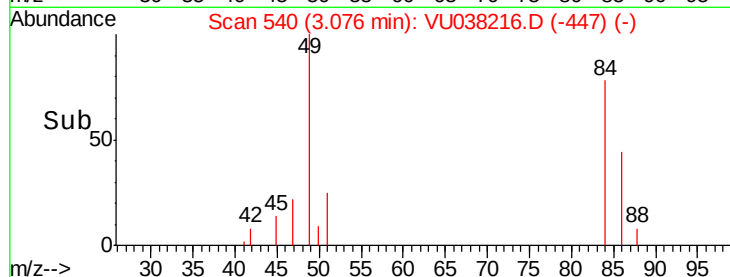
49 128.7 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.345 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

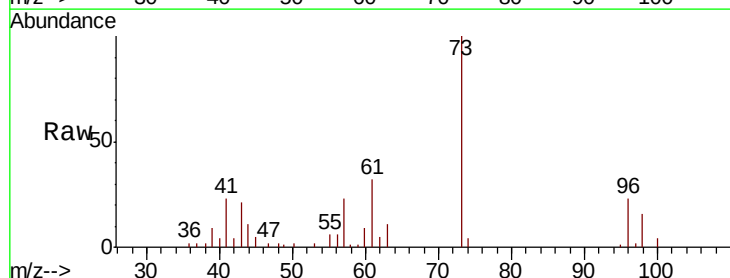
Tgt Ion: 73 Resp: 22841

Ion Ratio Lower Upper

73 100

43 20.7 16.9 25.3

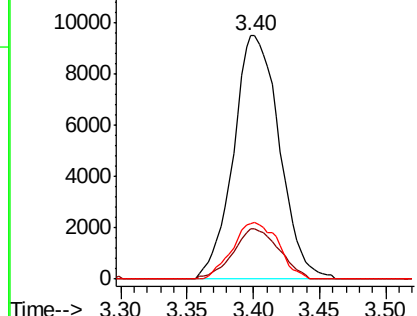
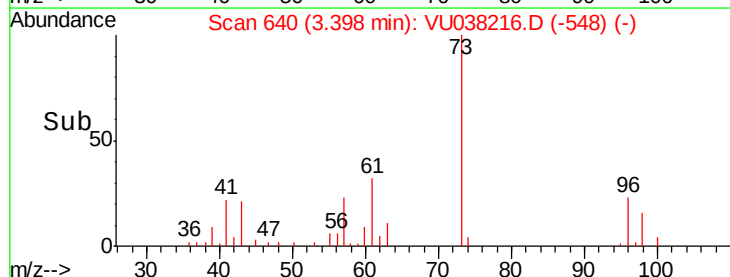
57 23.2 18.2 27.2

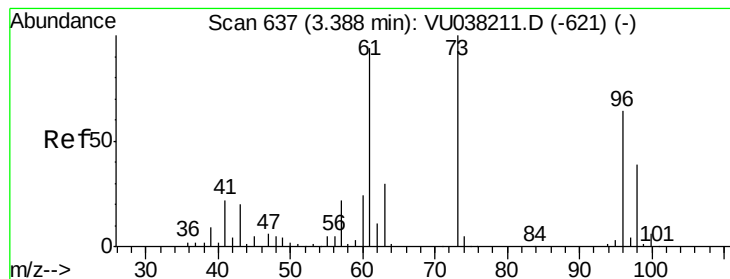


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.214 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampled :

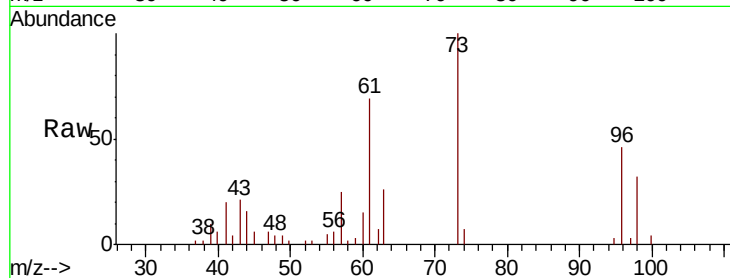
Tot Ion: 96 Resp: 5556

Ion Ratio Lower Upper

96 100

61 148.0 102.1 189.5

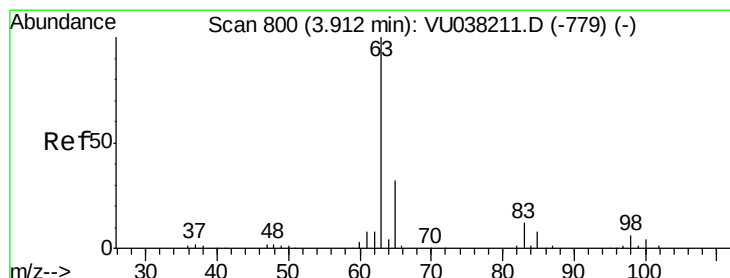
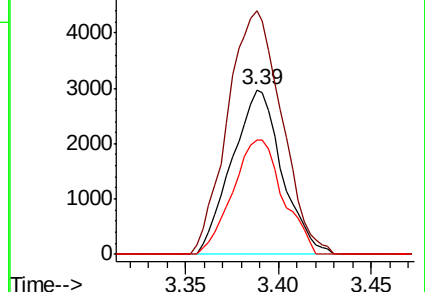
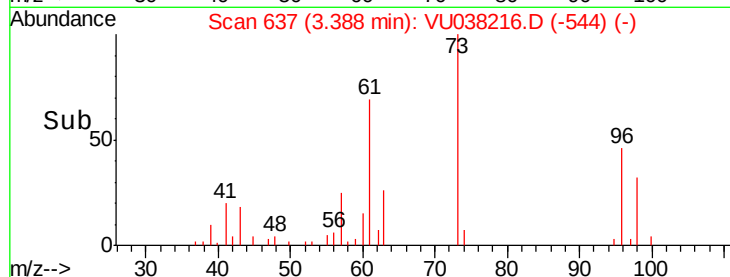
98 69.7 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038216.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038216.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038216.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.240 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

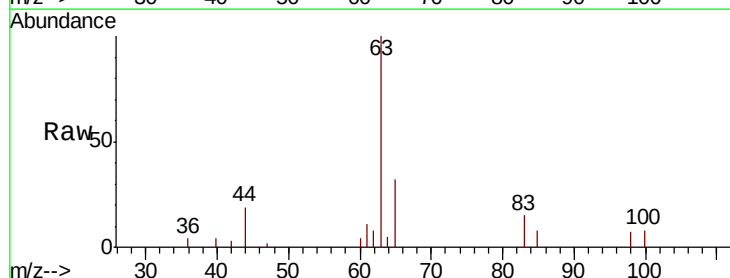
Tgt Ion: 63 Resp: 12167

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

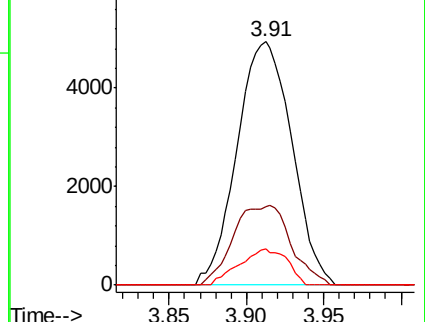
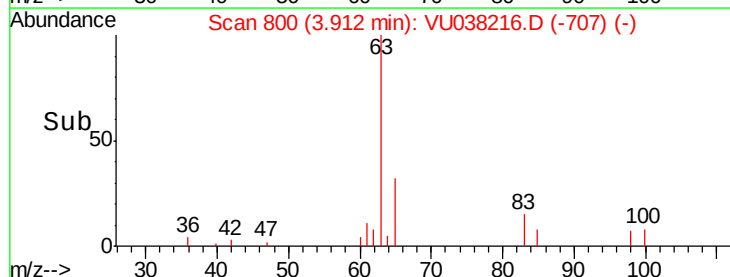
83 14.7 8.9 16.5

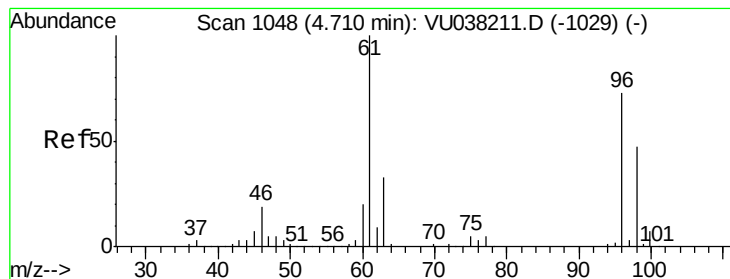


Abundance Ion 63.10 (62.80 to 63.80): VU038216.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU038216.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU038216.D (-707) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.513 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

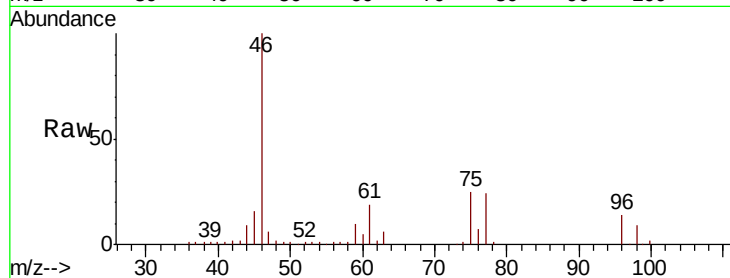
Tot Ion: 96 Resp: 14358

Ion Ratio Lower Upper

96 100

61 136.6 95.3 176.9

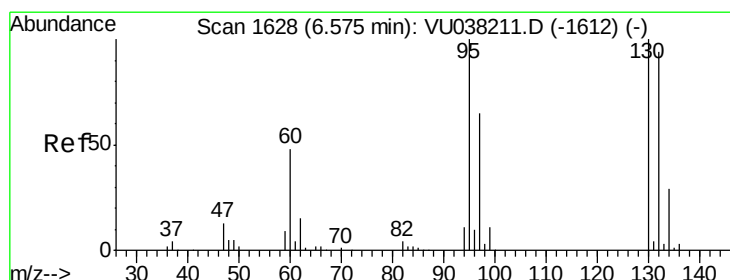
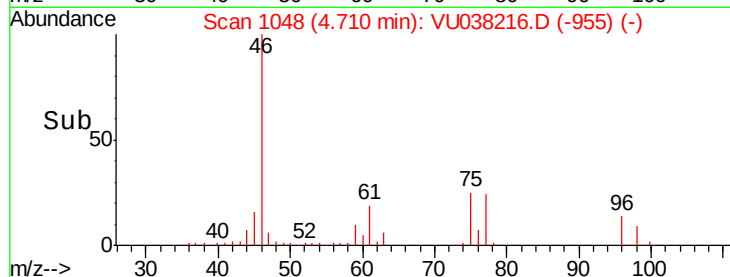
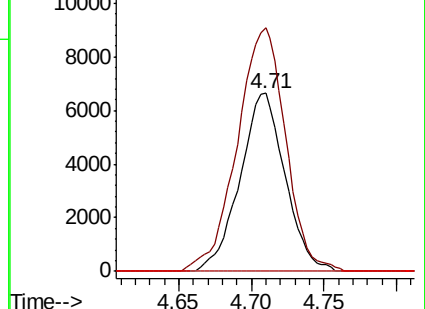
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038211.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038211.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038211.D (-1029) (-)



#34

Trichloroethene

Concen: 4.859 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Tgt Ion: 95 Resp: 131684

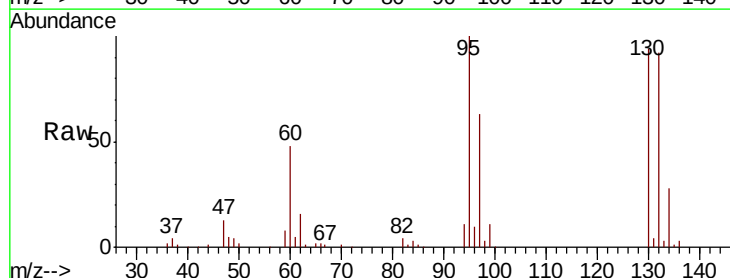
Ion Ratio Lower Upper

95 100

97 63.3 44.9 83.3

132 92.2 63.3 117.5

130 93.9 65.7 122.1

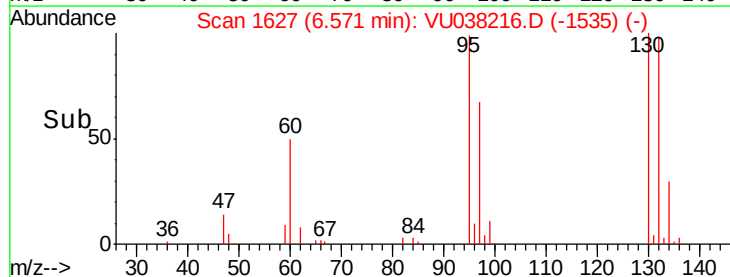
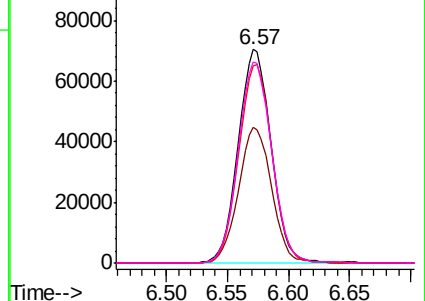


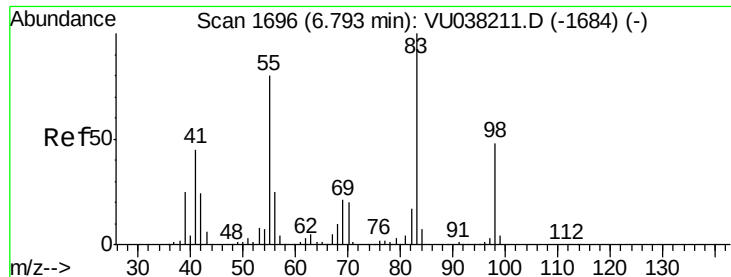
Abundance Ion 95.00 (94.70 to 95.70): VU038211.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038211.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038211.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038211.D (-1612) (-)

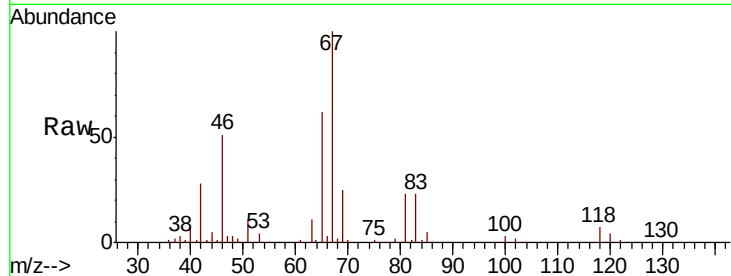




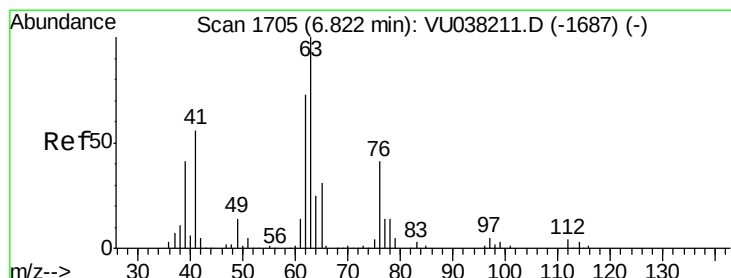
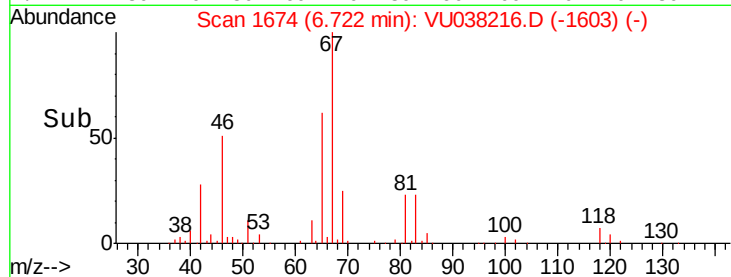
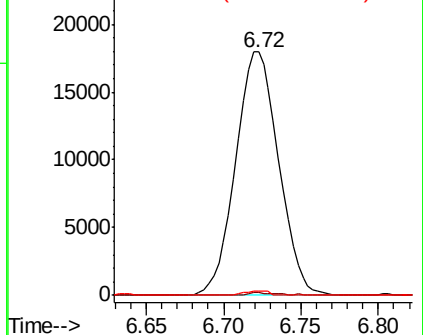
#35
Methylvlcyclohexane
Concen: 0.791 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 34703
Ion Ratio Lower Upper
83 100
55 0.7 66.7 100.1#
98 0.9 39.4 59.2#

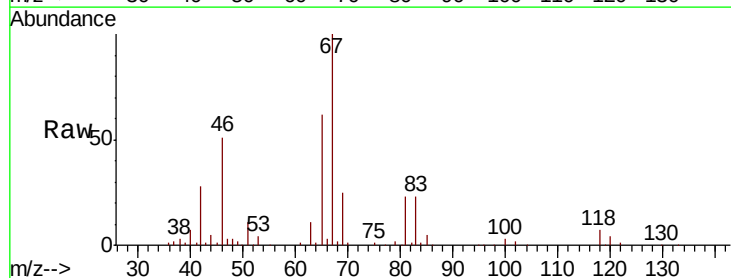


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

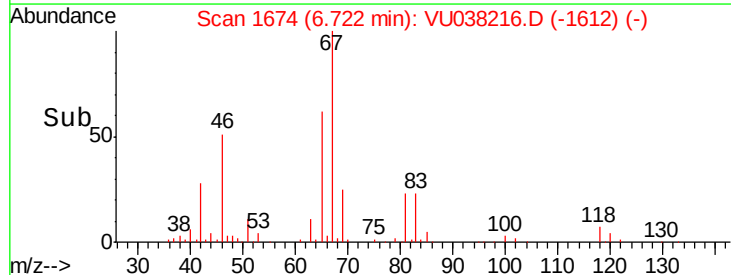
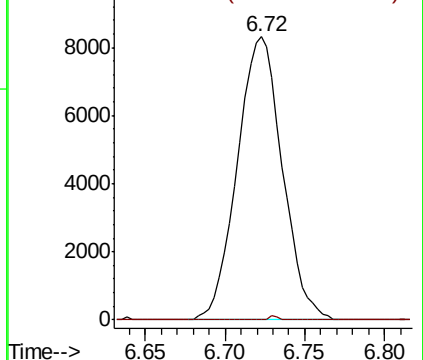


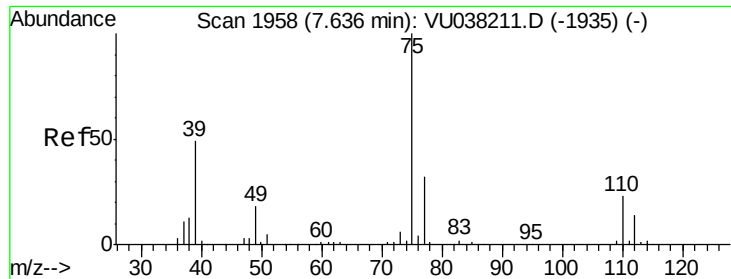
#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

Tgt Ion: 63 Resp: 16003
Ion Ratio Lower Upper
63 100
112 0.3 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

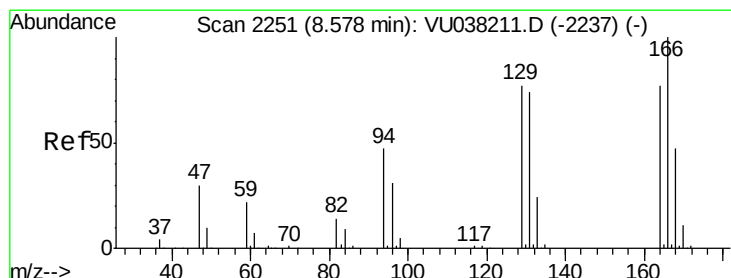
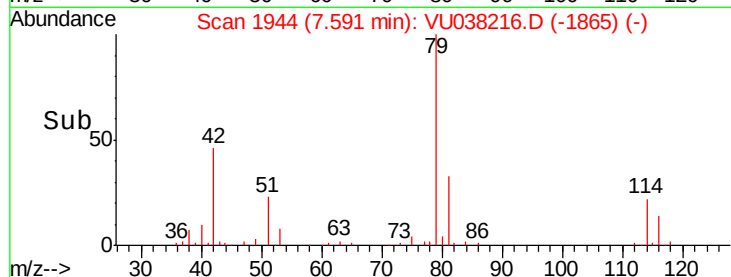
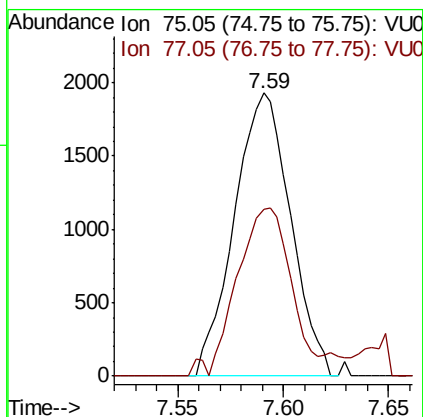
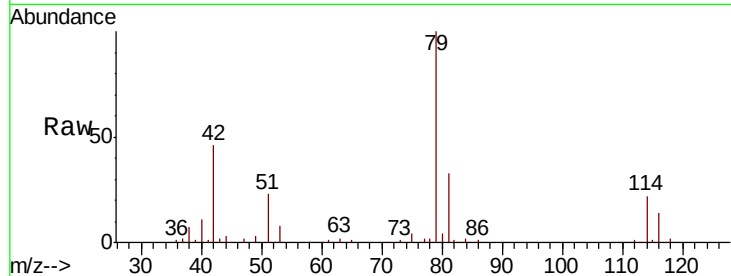




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

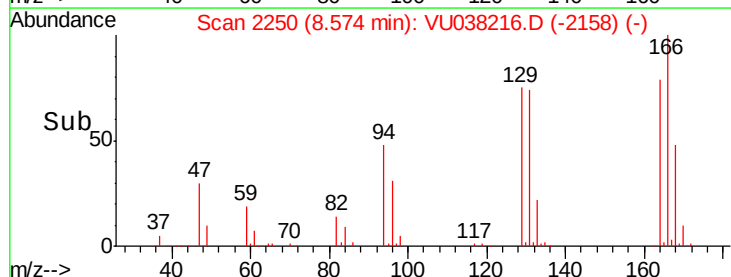
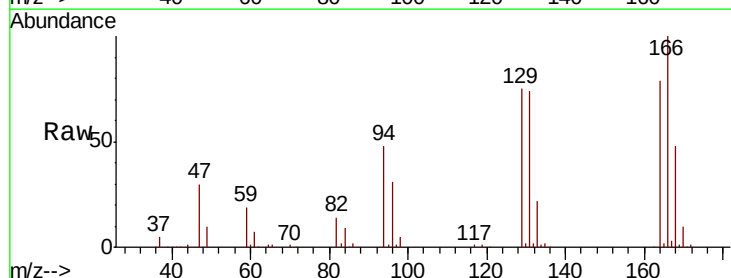
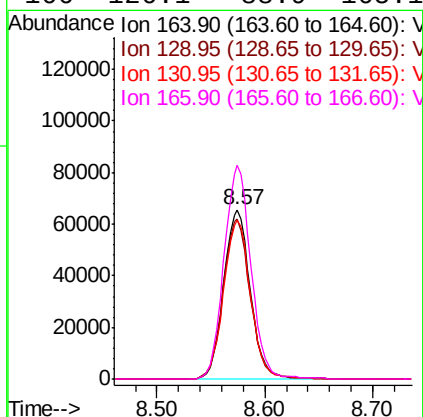
Instrument :
 MSVOA_U
 ClientSampleId :

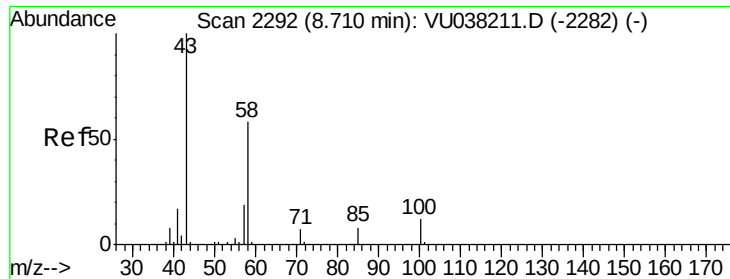
Tot Ion: 75 Resp: 3572
 Ion Ratio Lower Upper
 75 100
 77 59.0 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 5.941 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038216.D
 Acq: 18 May 2020 13:39

Tgt Ion: 164 Resp: 112605
 Ion Ratio Lower Upper
 164 100
 129 94.3 68.8 127.8
 131 93.9 66.8 124.2
 166 126.1 88.9 165.1

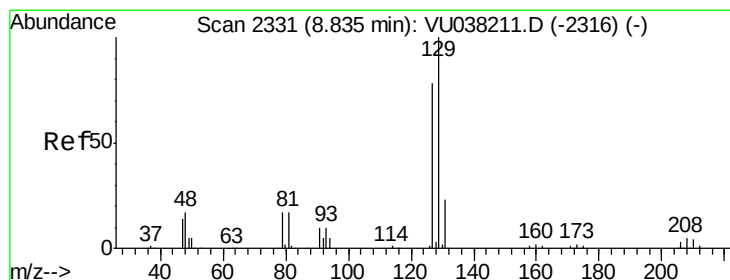
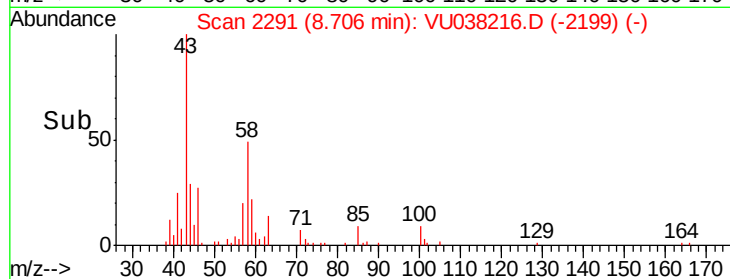
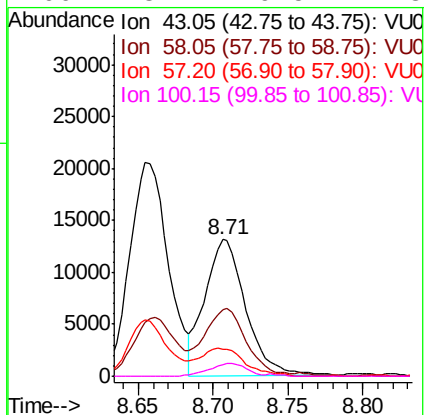
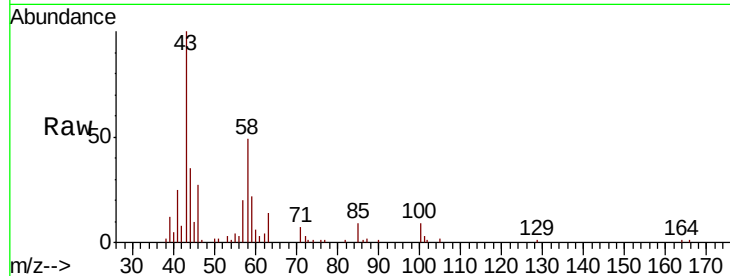




#48
2-Hexanone
Concen: 1.670 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

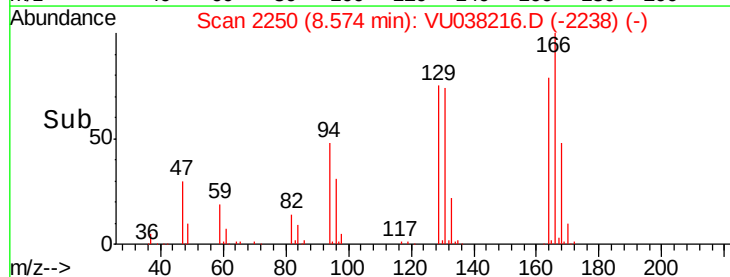
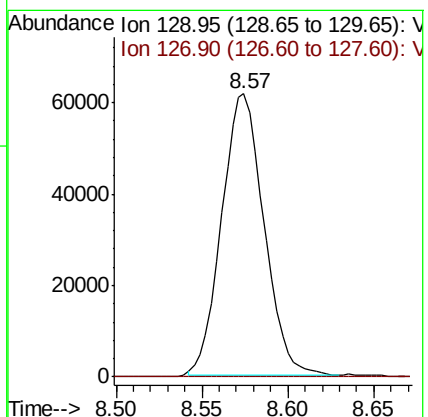
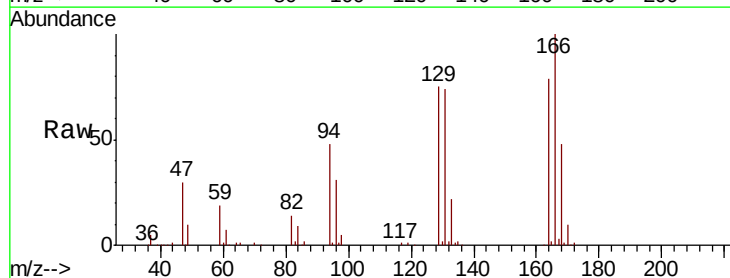
Instrument :
MSVOA_U
ClientSampleId :

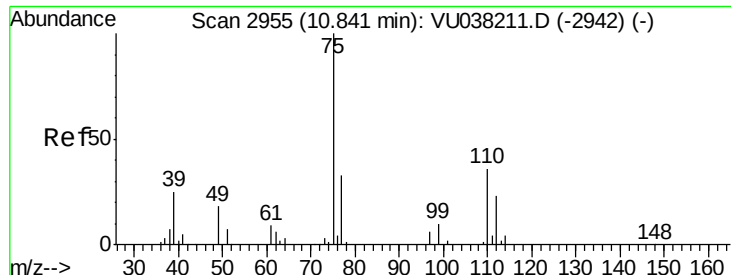
Tot Ion: 43 Resp: 24945
Ion Ratio Lower Upper
43 100
58 47.9 45.2 67.8
57 22.6 15.5 23.3
100 8.7 9.5 14.3#



#49
Dibromochloromethane
Concen: 4.950 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038216.D
Acq: 18 May 2020 13:39

Tgt Ion: 129 Resp: 104997
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.169 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038216.D

Acq: 18 May 2020 13:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 23093

Ion Ratio Lower Upper

75 100

77 36.0 25.4 38.0

