

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040748.D
 Acq On : 16 Oct 2020 14:47
 Operator : SY/MD
 Sample : L4419-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ1

Quant Time: Oct 16 23:41:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114262	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116808	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47143	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41937	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.92	69	37813	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.58	63	76474	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.66	46	160842	53.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.18%
24) Chloroform-d	5.08	84	89208	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.72	65	55396	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.74	84	161388	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.70	67	58134	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	7.91	98	125144	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	20010	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	111477	48.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49340	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49883	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	490	0.051	ug/L 94
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	605	0.064	ug/L # 20
12) 1,1-Dichloroethene	2.59	96	16483	2.022	ug/L # 56
19) 1,1-Dichloroethane	3.89	63	2143	0.121	ug/L # 79
22) cis-1,2-Dichloroethene	4.69	96	4898	0.532	ug/L 95
25) Chloroform	5.11	83	8574	0.476	ug/L 96
29) 1,1,1-Trichloroethane	5.33	97	2272	0.145	ug/L # 78
31) Carbon tetrachloride	5.54	117	2843	0.212	ug/L 87
34) Trichloroethene	6.56	95	36988	3.802	ug/L 94
35) Methylcyclohexane	6.70	83	13486	0.978	ug/L # 14
37) 1,2-Dichloropropane	6.71	63	6765	0.647	ug/L # 87
39) cis-1,3-Dichloropropene	7.58	75	1199	0.084	ug/L # 45
44) trans-1,3-Dichloropropene	8.18	75	843	0.064	ug/L # 31
47) Tetrachloroethene	8.56	164	24207	3.488	ug/L 96
48) 2-Hexanone	8.64	43	18781	3.026	ug/L # 46
49) Dibromochloromethane	8.56	129	23491	2.607	ug/L # 9
59) 1,2,3-Trichloropropane	11.81	75	6374	0.830	ug/L 92

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QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

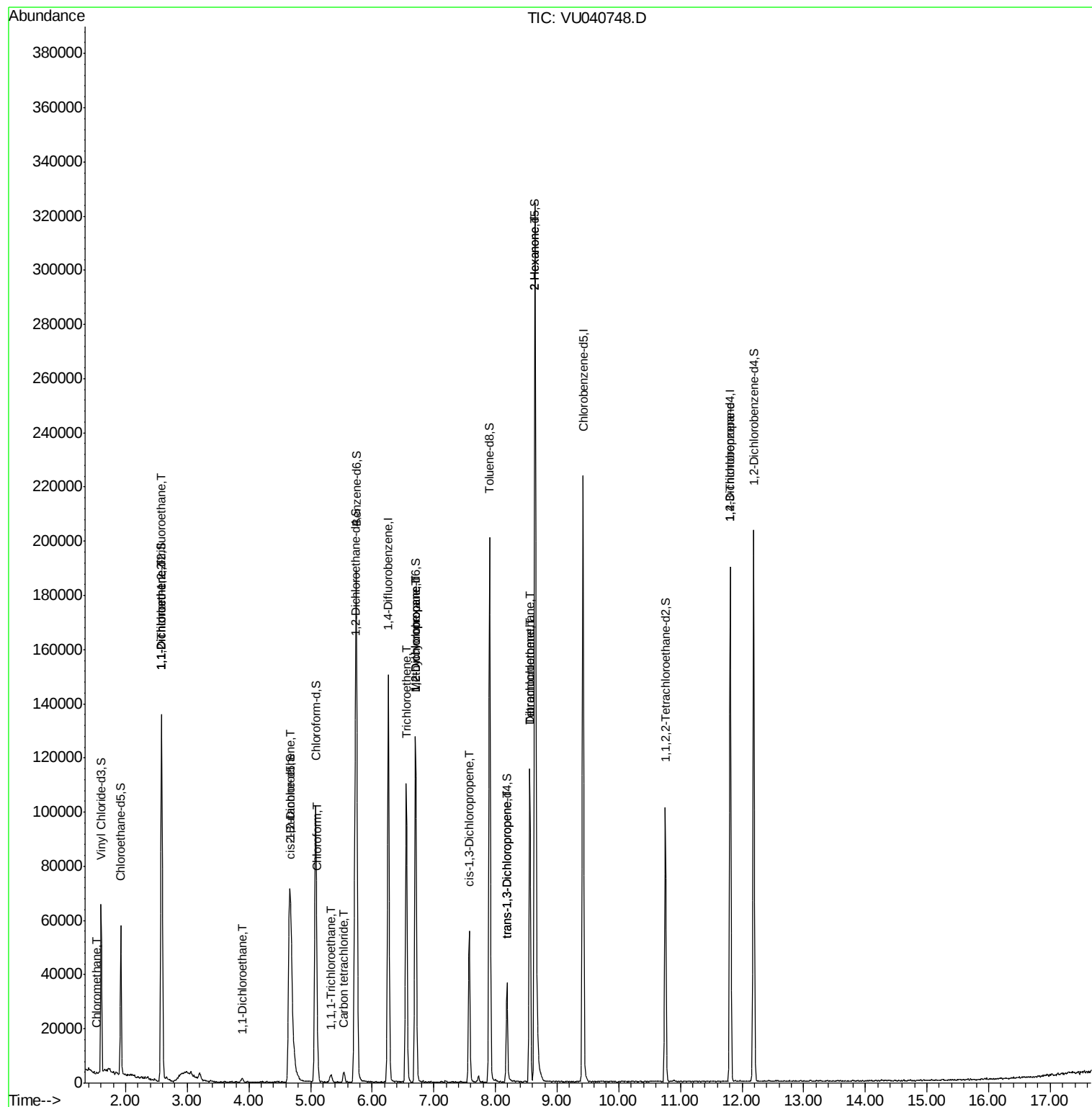
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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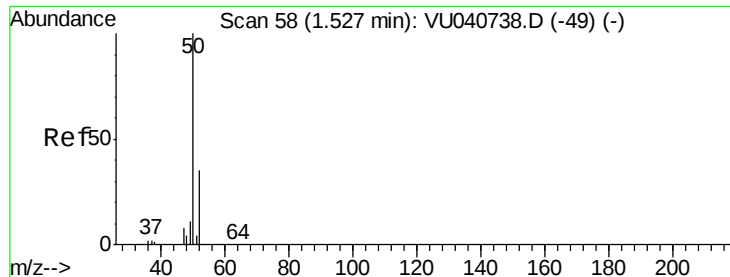
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.051 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampled :

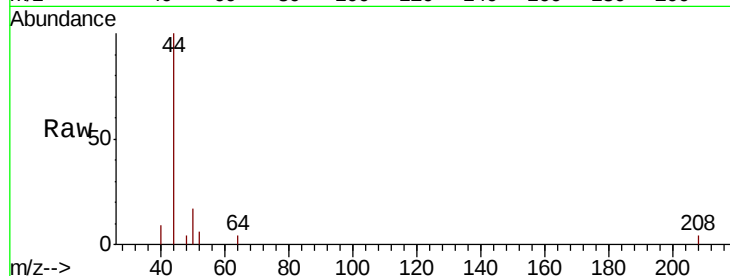
C0AJ1

Tot Ion: 50 Resp: 490

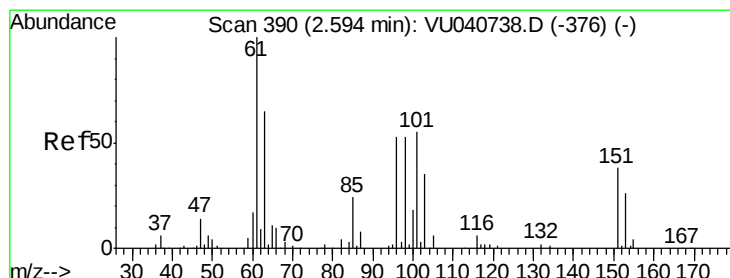
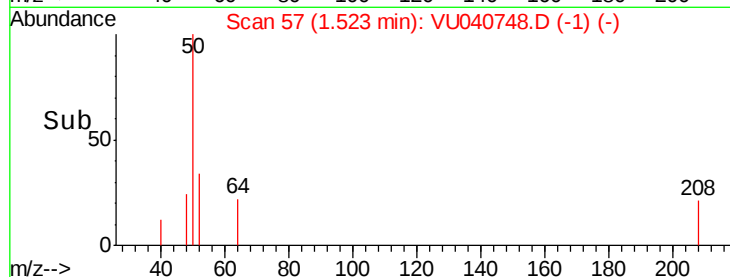
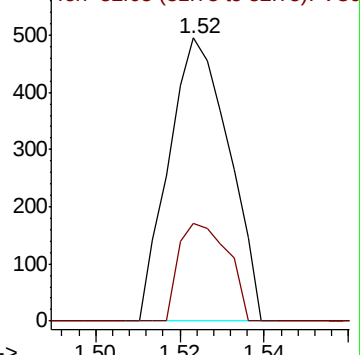
Ion Ratio Lower Upper

50 100

52 34.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040738.D (-49) (-)



#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

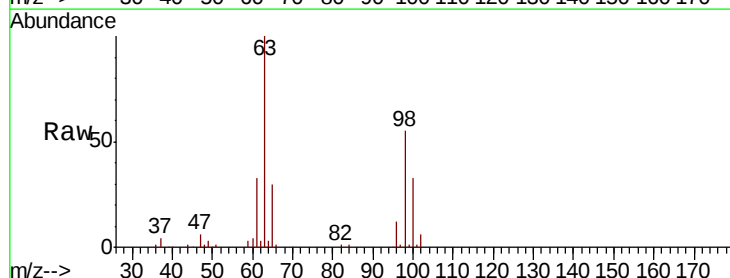
Tgt Ion: 101 Resp: 605

Ion Ratio Lower Upper

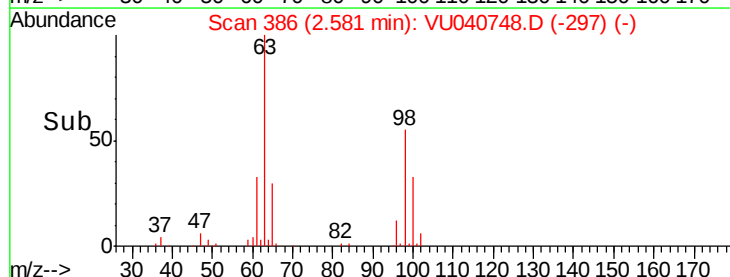
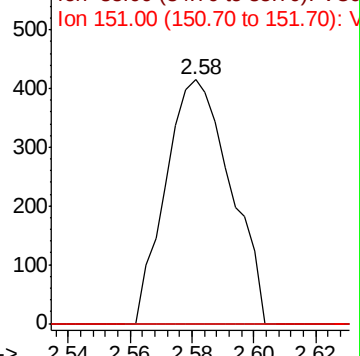
101 100

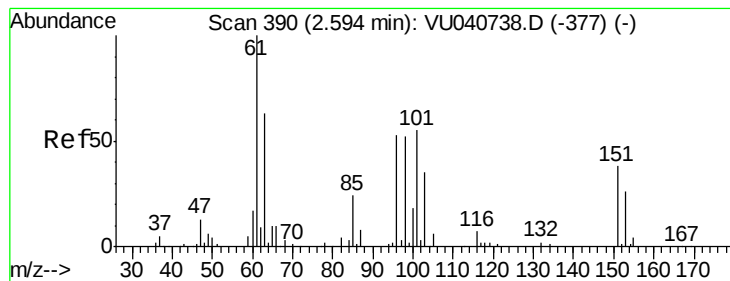
85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040738.D (-376) (-)





#12

1,1-Dichloroethene

Concen: 2.022 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

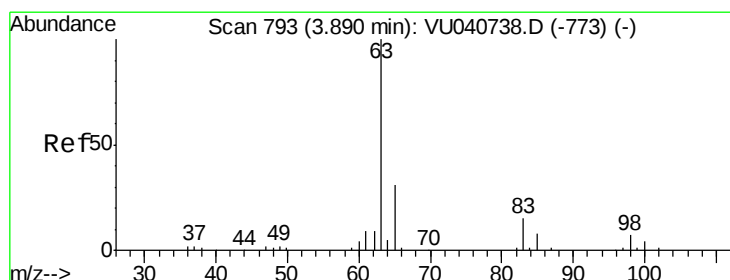
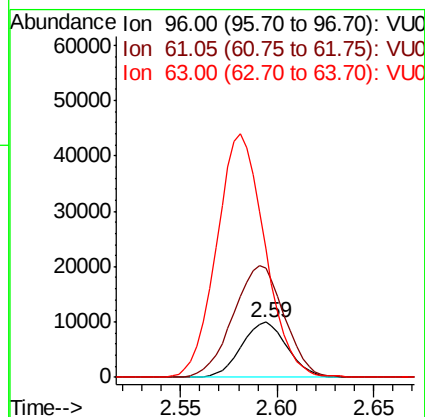
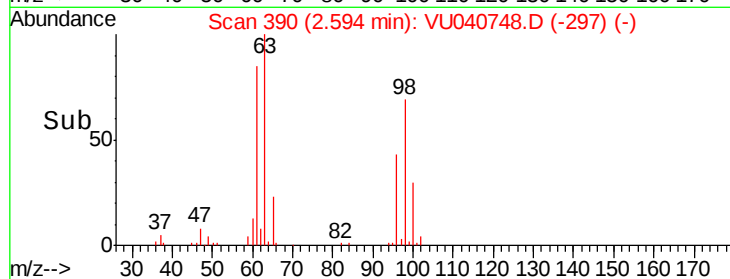
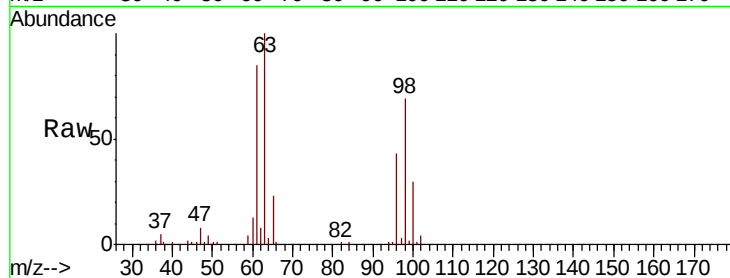
Tot Ion: 96 Resp: 16483

Ion Ratio Lower Upper

96 100

61 196.6 128.8 239.2

63 230.8 84.6 157.2#



#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

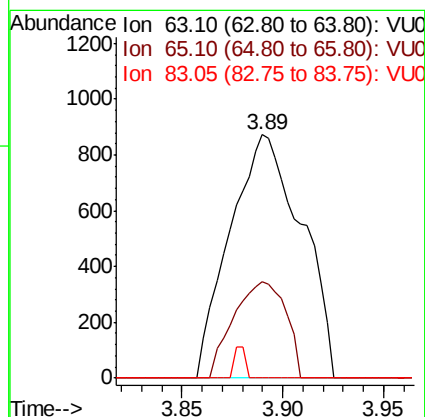
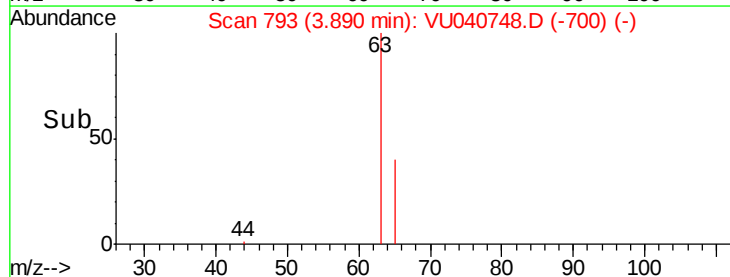
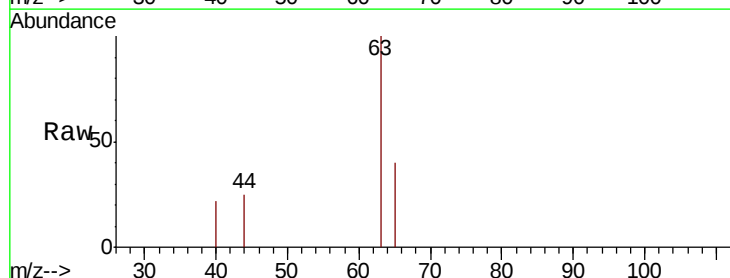
Tgt Ion: 63 Resp: 2143

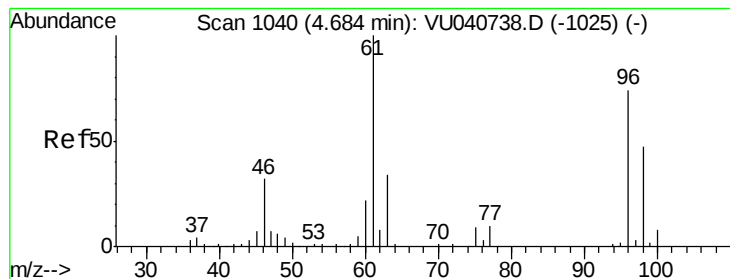
Ion Ratio Lower Upper

63 100

65 39.6 21.9 40.7

83 0.0 9.6 17.8#





#22

cis-1,2-Dichloroethene

Concen: 0.532 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

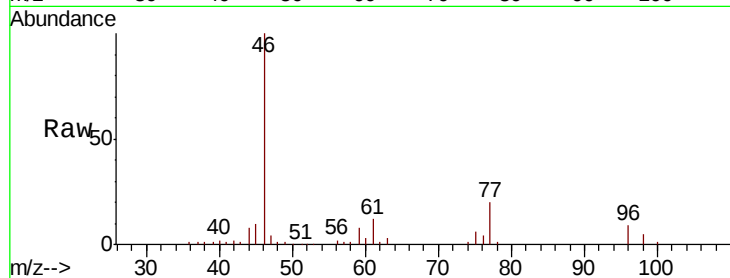
Tot Ion: 96 Resp: 4898

Ion Ratio Lower Upper

96 100

61 136.6 99.8 185.4

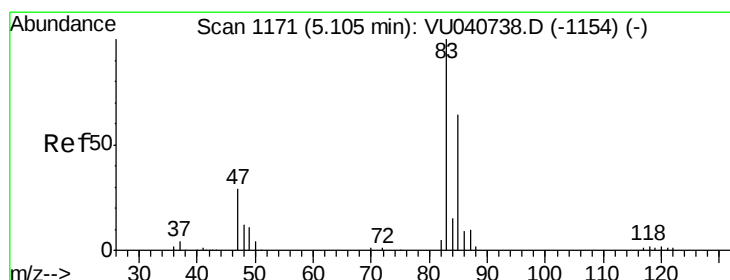
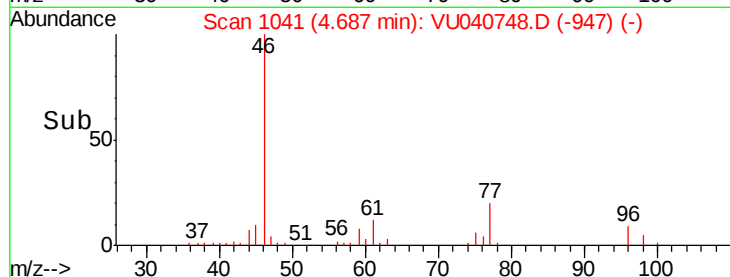
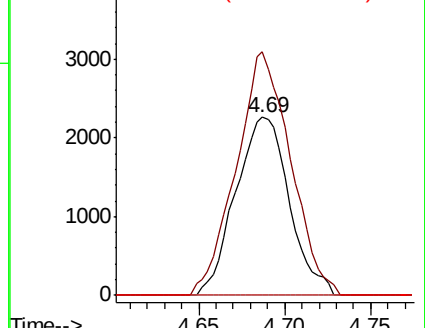
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040738.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040738.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU040738.D (-1025) (-)



#25

Chloroform

Concen: 0.476 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040748.D

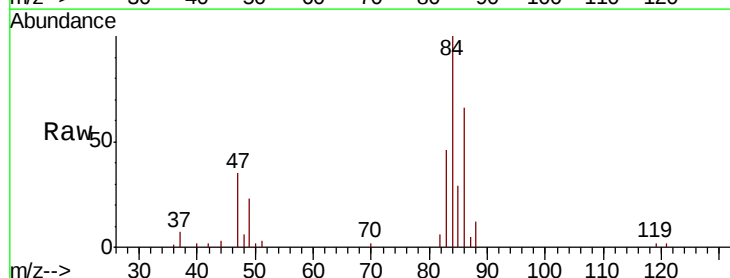
Acq: 16 Oct 2020 14:47

Tgt Ion: 83 Resp: 8574

Ion Ratio Lower Upper

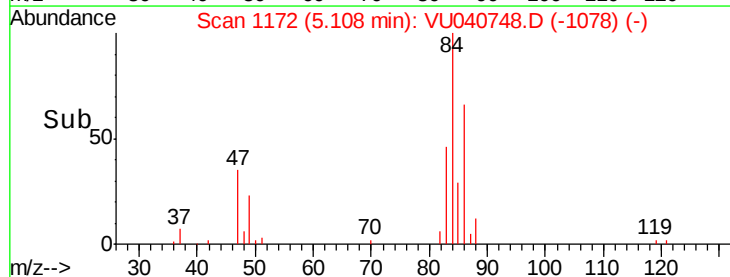
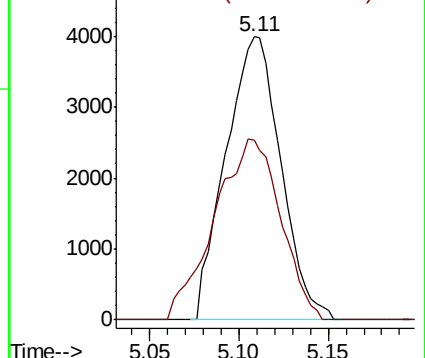
83 100

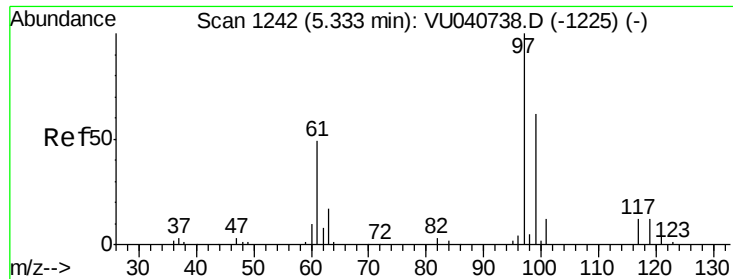
85 63.7 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040738.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040738.D (-1154) (-)

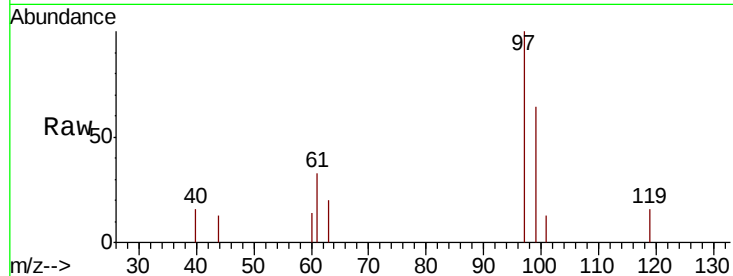




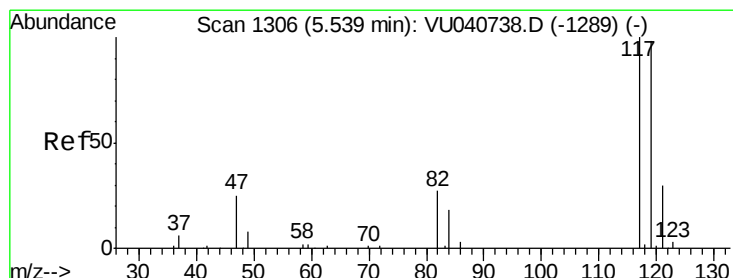
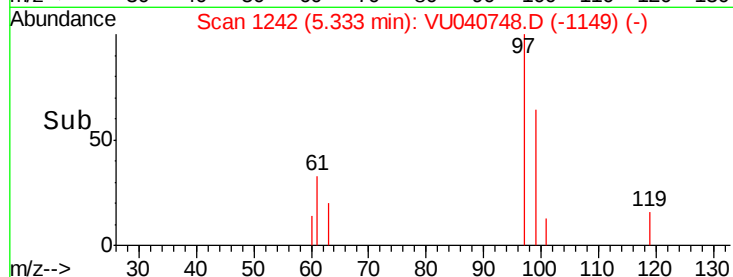
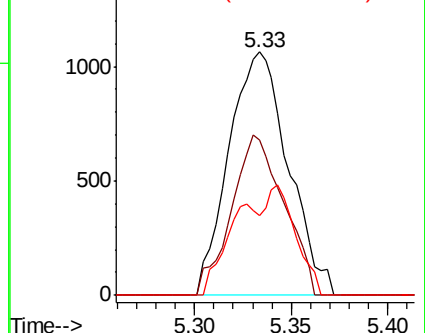
#29
 1,1,1-Trichloroethane
 Concen: 0.145 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040748.D
 Acq: 16 Oct 2020 14:47

Instrument :
 MSVOA_U
 ClientSampleID :
 C0AJ1

Tot Ion: 97 Resp: 2272
 Ion Ratio Lower Upper
 97 100
 99 58.0 51.3 76.9
 61 21.4 39.4 59.2#

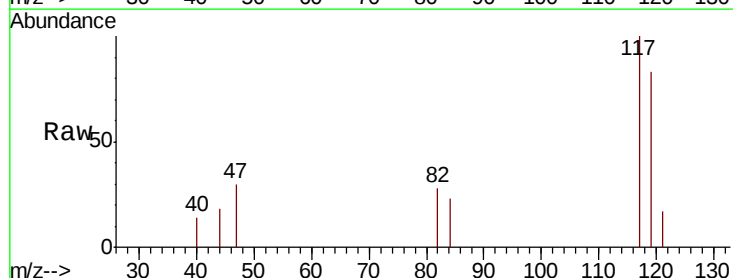


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

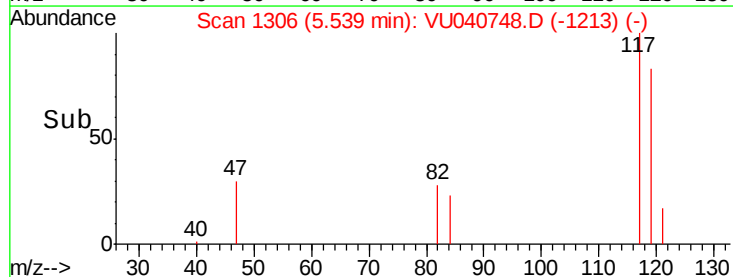
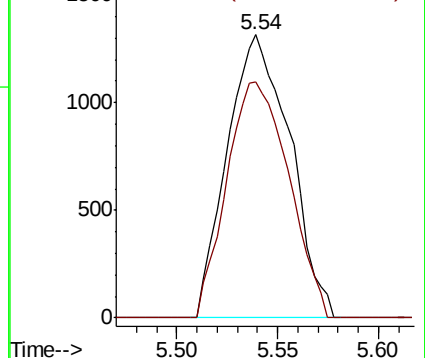


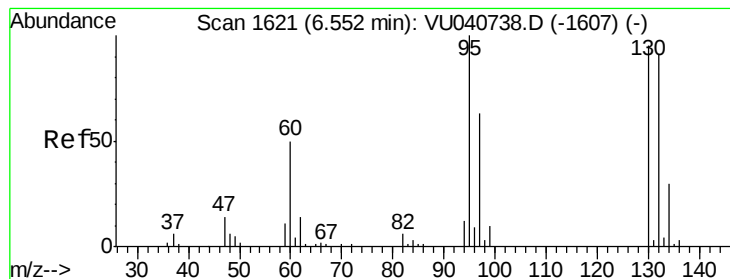
#31
 Carbon tetrachloride
 Concen: 0.212 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: VU040748.D
 Acq: 16 Oct 2020 14:47

Tgt Ion: 117 Resp: 2843
 Ion Ratio Lower Upper
 117 100
 119 82.6 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 3.802 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

Tot Ion: 95 Resp: 36988

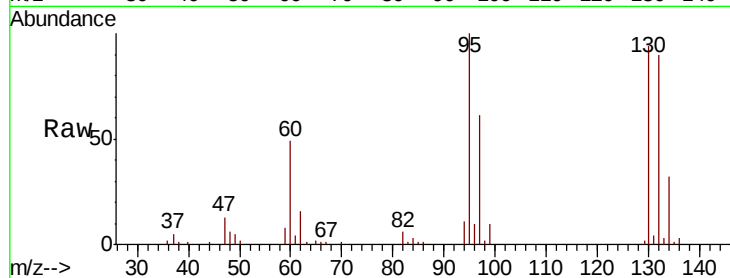
Ion Ratio Lower Upper

95 100

97 61.5 45.5 84.5

132 89.6 67.5 125.4

130 94.4 69.9 129.9



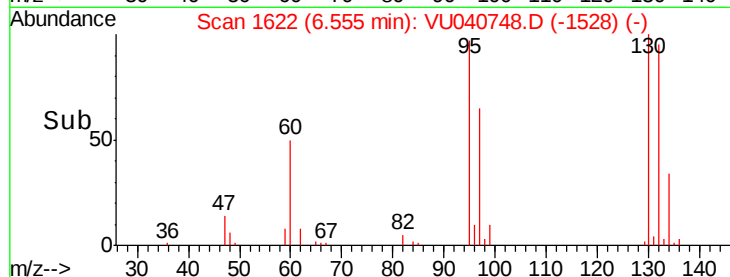
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



Abundance

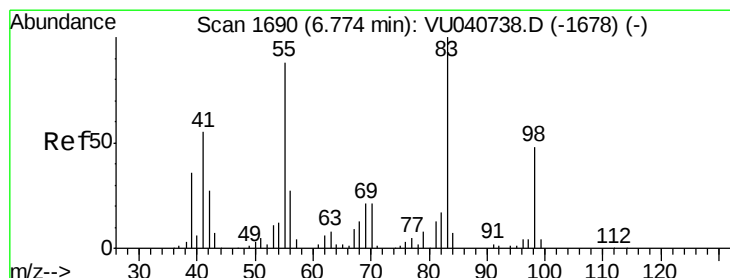
Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



#35

Methylcyclohexane

Concen: 0.978 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

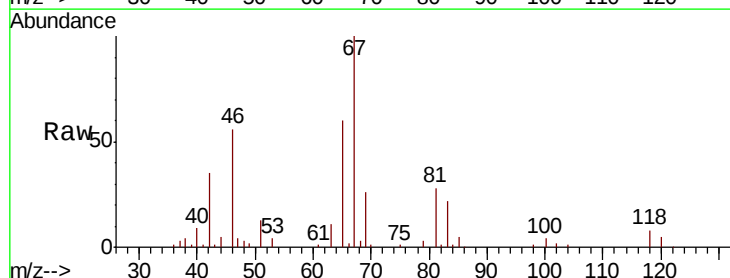
Tgt Ion: 83 Resp: 13486

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

98 0.9 38.4 57.6#

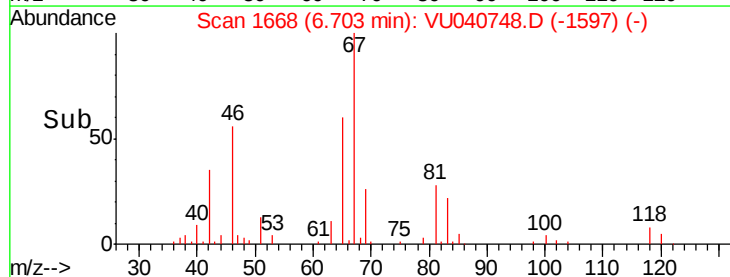


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



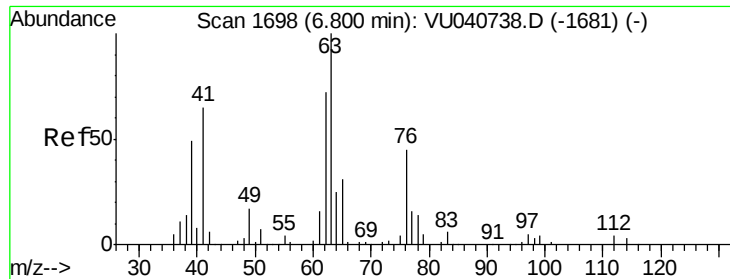
Abundance

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

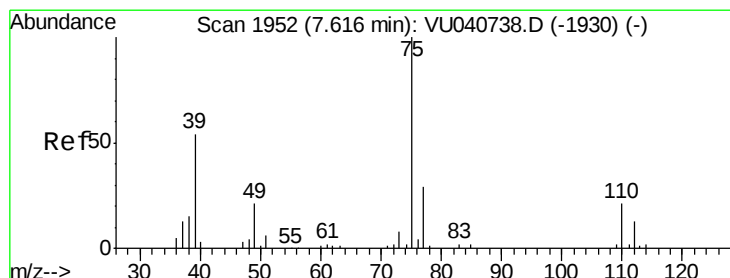
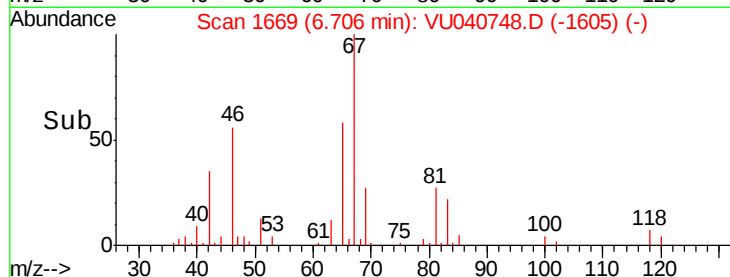
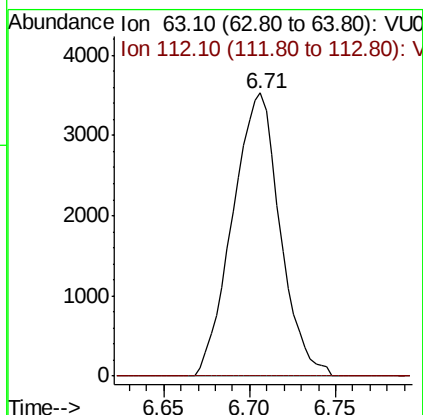
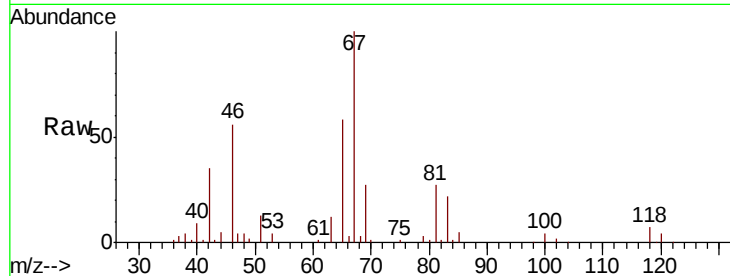
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.647 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040748.D
 Acq: 16 Oct 2020 14:47

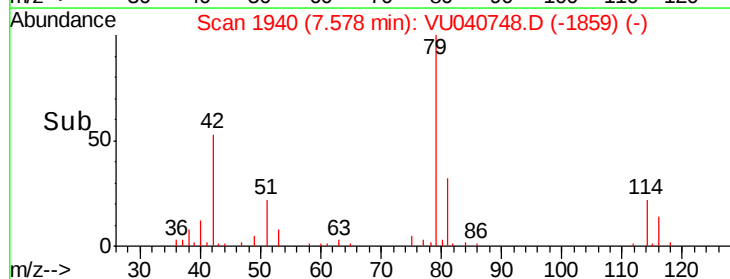
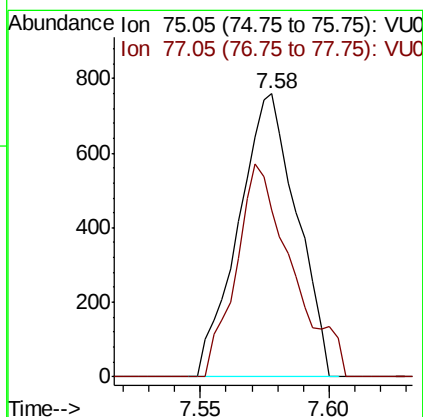
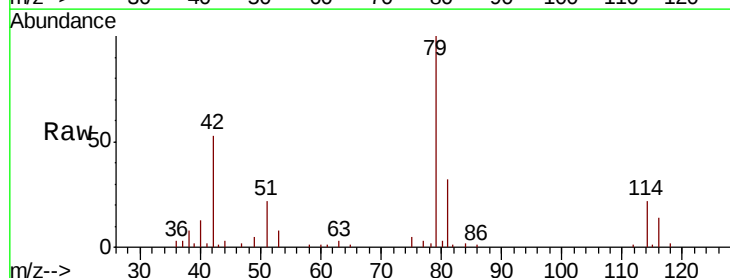
Instrument :
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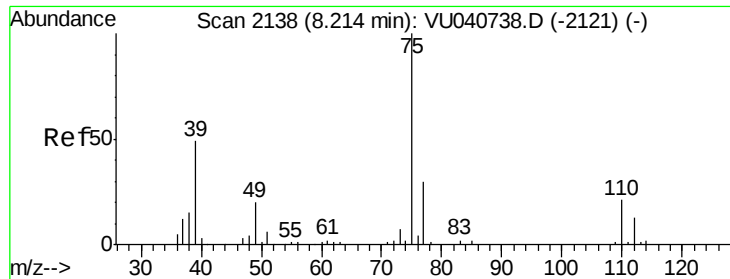
Tot Ion: 63 Resp: 6765
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040748.D
 Acq: 16 Oct 2020 14:47

Tgt Ion: 75 Resp: 1199
 Ion Ratio Lower Upper
 75 100
 77 58.8 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

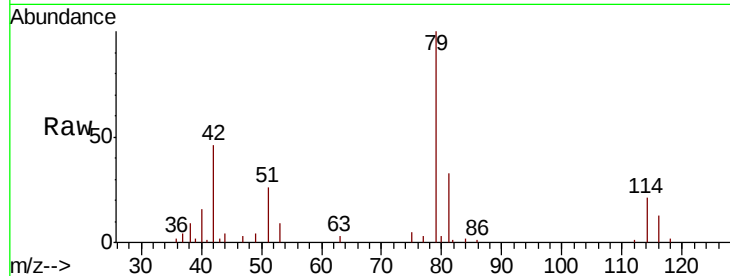
C0AJ1

Tot Ion: 75 Resp: 843

Ion Ratio Lower Upper

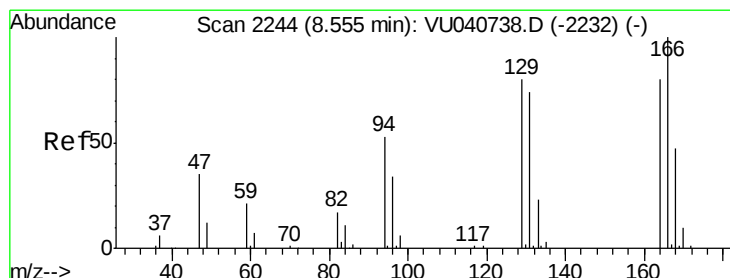
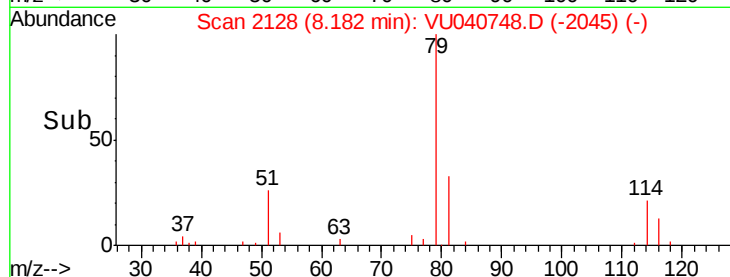
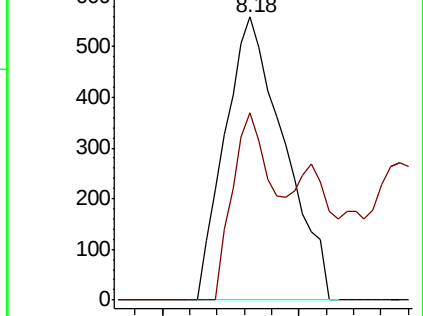
75 100

77 66.1 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 3.488 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Tgt Ion:164 Resp: 24207

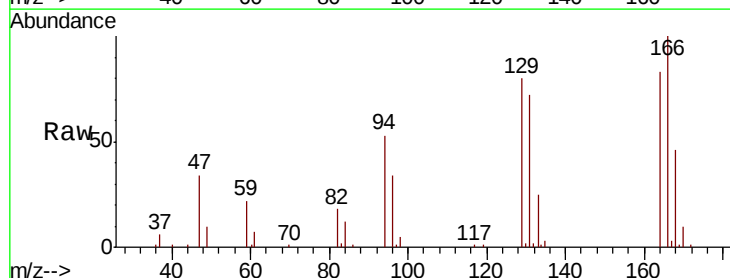
Ion Ratio Lower Upper

164 100

129 96.0 68.8 127.8

131 86.4 66.7 123.9

166 120.1 83.9 155.7

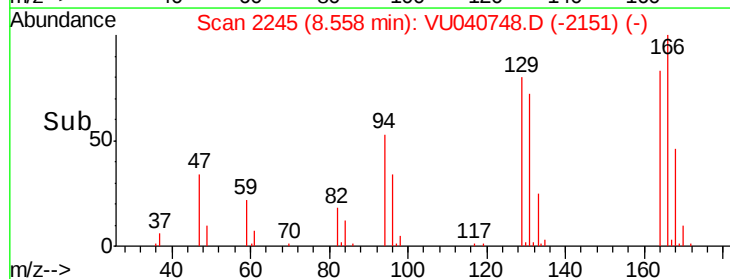
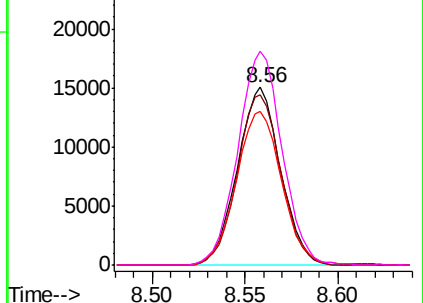


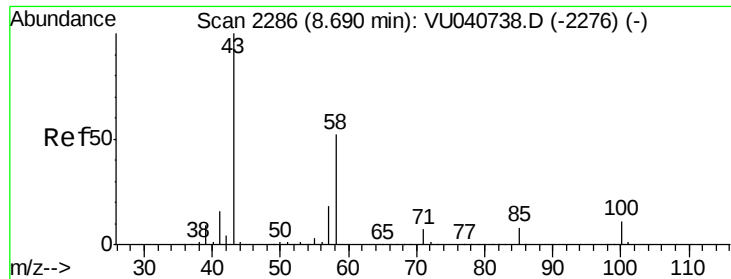
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

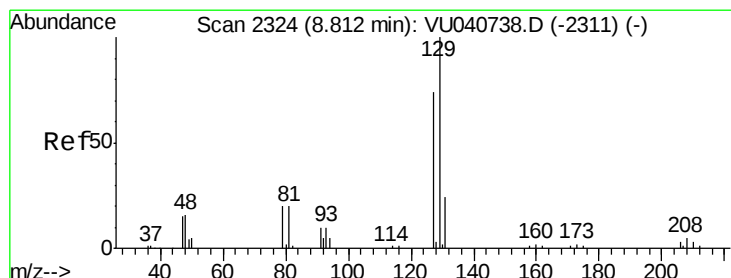
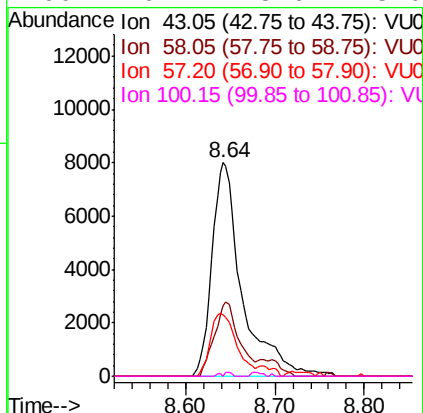
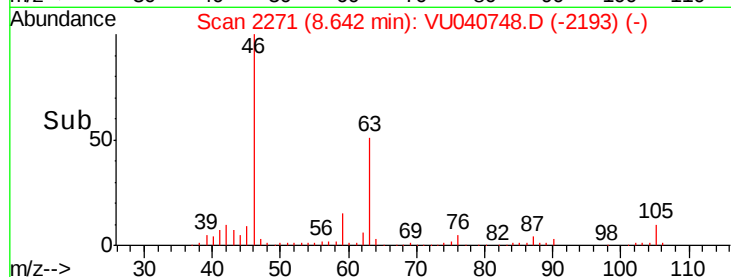
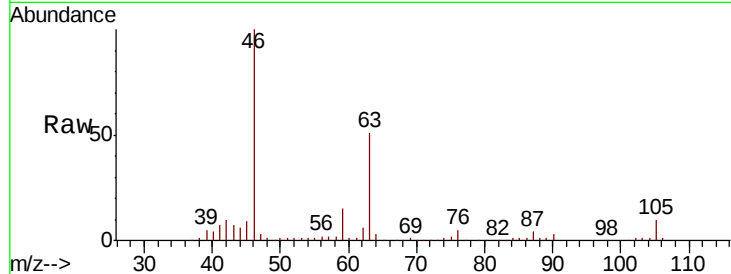




#48
2-Hexanone
Concen: 3.026 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040748.D
Acq: 16 Oct 2020 14:47

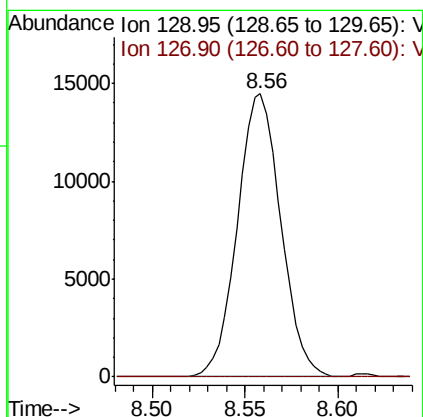
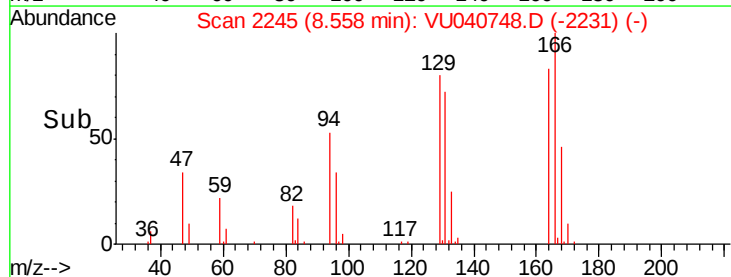
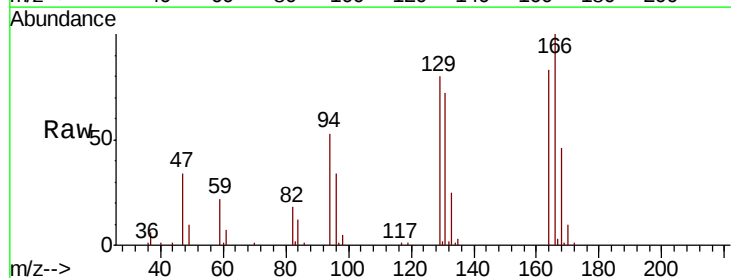
Instrument :
MSVOA_U
ClientSampleId :
C0AJ1

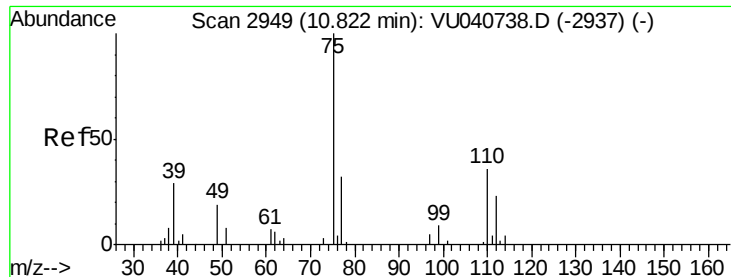
Tot Ion: 43 Resp: 18781
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
57 25.1 14.4 21.6#
100 0.2 8.6 13.0#



#49
Dibromochloromethane
Concen: 2.607 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040748.D
Acq: 16 Oct 2020 14:47

Tgt Ion: 129 Resp: 23491
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 0.830 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040748.D

Acq: 16 Oct 2020 14:47

Instrument :

MSVOA_U

ClientSampleId :

C0AJ1

Tot Ion: 75 Resp: 6374

Ion Ratio Lower Upper

75 100

77 37.3 26.4 39.6

