

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040819.D
 Acq On : 19 Oct 2020 21:32
 Operator : SY/MD
 Sample : L4420-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK8

Quant Time: Oct 20 05:19:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113198	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117770	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28011	2.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.80%
7) Chloroethane-d5	1.92	69	28695	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.58	63	46841	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.66	46	175975	58.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.26%
24) Chloroform-d	5.08	84	78979	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	50719	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.75	84	130237	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.70	67	49136	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.91	98	100362	3.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.60%
43) trans-1,3-Dichloropropene-	8.19	79	18062	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	115845	50.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45971	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	44155	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	422	0.066	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	451	0.048	ug/L #	20
12) 1,1-Dichloroethene	2.59	96	1026	0.127	ug/L #	1
19) 1,1-Dichloroethane	3.89	63	1508	0.086	ug/L #	81
22) cis-1,2-Dichloroethene	4.69	96	14656	1.607	ug/L	95
25) Chloroform	5.11	83	5174	0.290	ug/L	96
27) 1,2-Dichloroethane	5.75	62	819	0.065	ug/L #	77
31) Carbon tetrachloride	5.54	117	2286	0.169	ug/L	96
34) Trichloroethene	6.55	95	54992	5.607	ug/L	98
35) Methylcyclohexane	6.70	83	11327	0.814	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5781	0.548	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1301	0.090	ug/L #	79
44) trans-1,3-Dichloropropene	8.18	75	989	0.075	ug/L #	76
47) Tetrachloroethene	8.56	164	3663	0.523	ug/L	87
48) 2-Hexanone	8.64	43	16782	2.682	ug/L #	75
49) Dibromochloromethane	8.56	129	3617	0.398	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6079	0.785	ug/L	91

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QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration

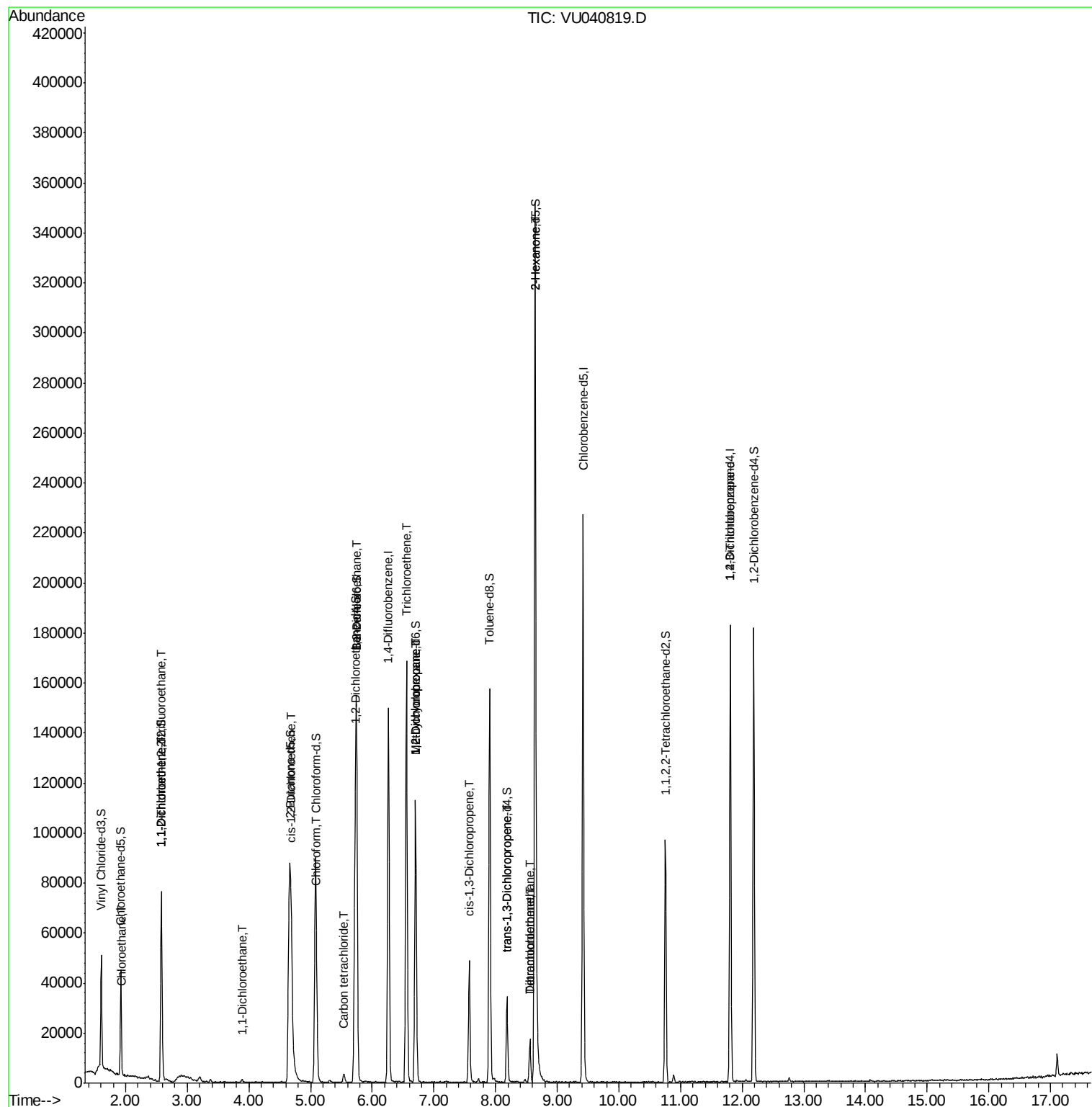
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

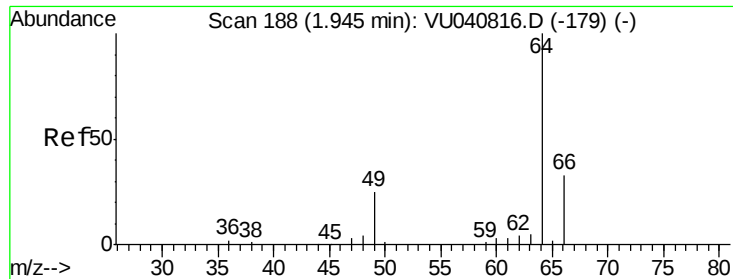
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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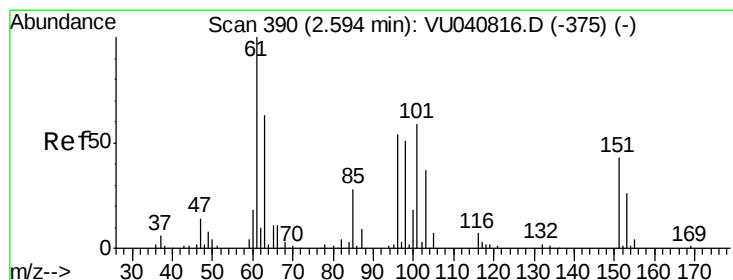
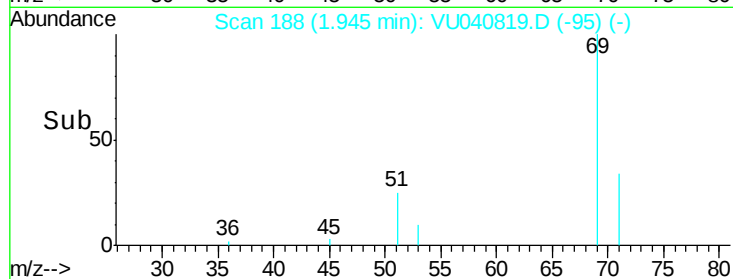
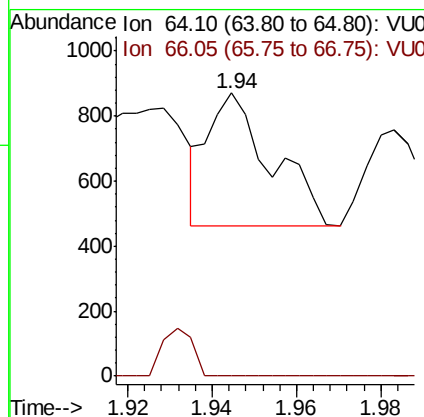
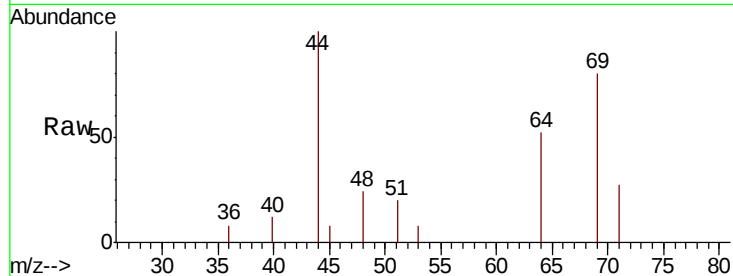




#8
 Chloroethane
 Concen: 0.066 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU040819.D
 Acq: 19 Oct 2020 21:32

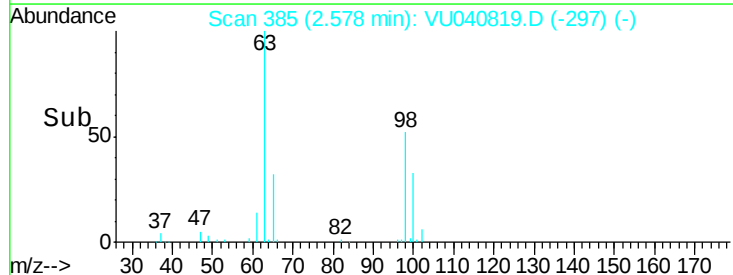
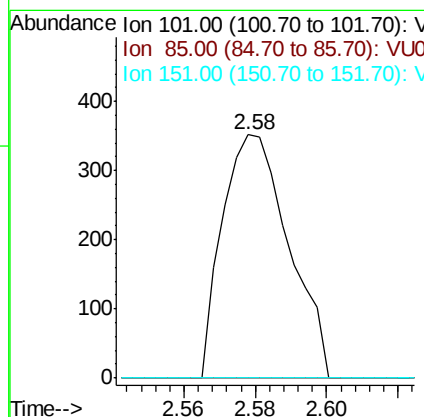
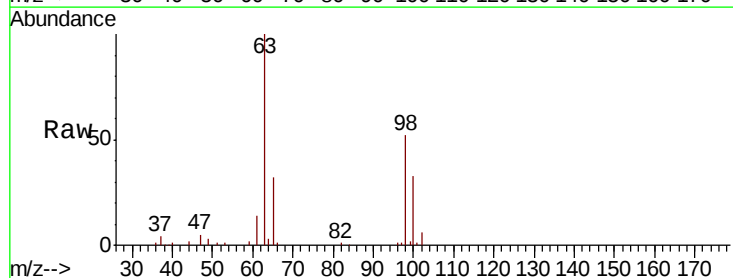
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK8

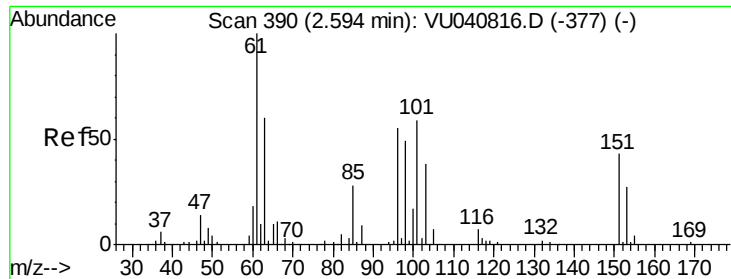
Tot Ion: 64 Resp: 422
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.3 43.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.048 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.02 min
 Lab File: VU040819.D
 Acq: 19 Oct 2020 21:32

Tgt Ion: 101 Resp: 451
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.7 55.1#
 151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 0.127 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0AK8

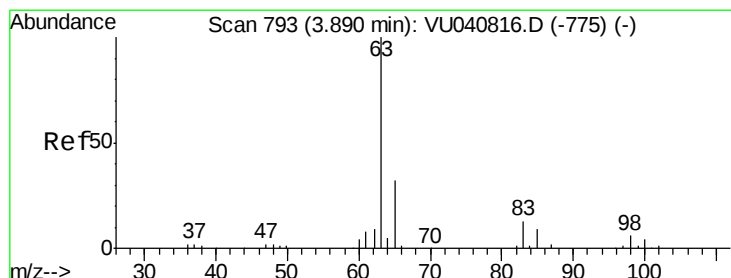
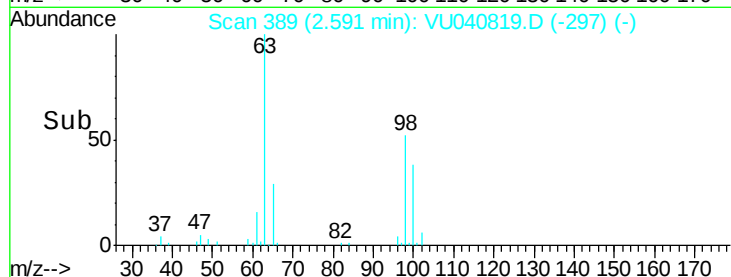
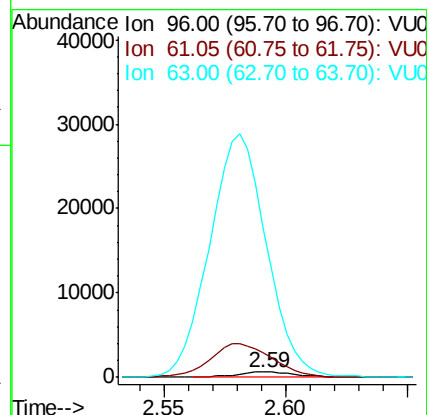
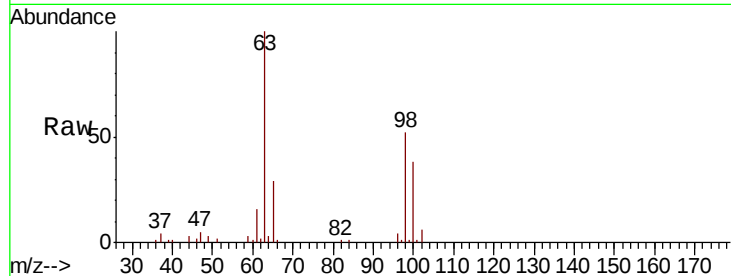
Tot Ion: 96 Resp: 1026

Ion Ratio Lower Upper

96 100

61 448.1 128.8 239.2#

63 2773.8 84.6 157.2#



#19

1,1-Dichloroethane

Concen: 0.086 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

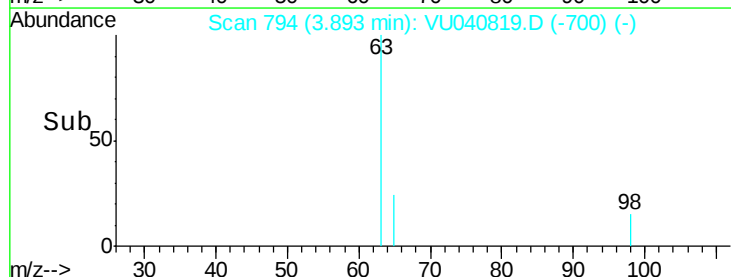
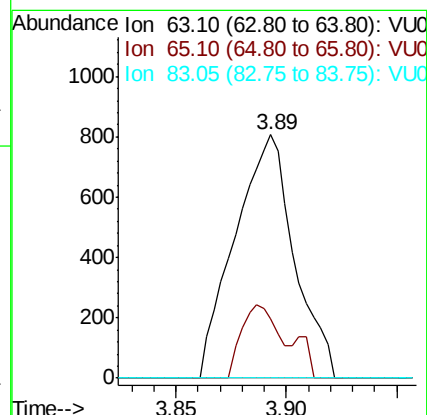
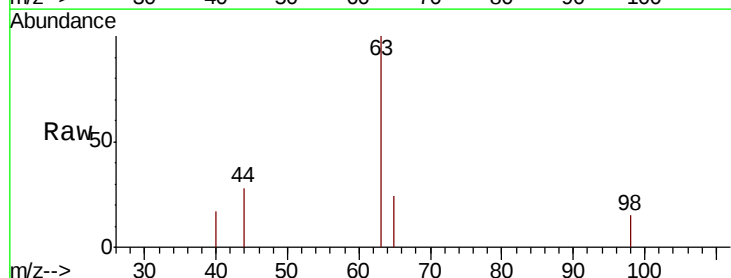
Tgt Ion: 63 Resp: 1508

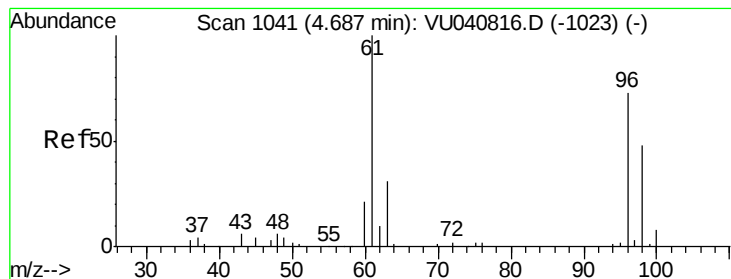
Ion Ratio Lower Upper

63 100

65 24.3 21.9 40.7

83 0.0 9.6 17.8#





#22

cis-1,2-Dichloroethene

Concen: 1.607 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0AK8

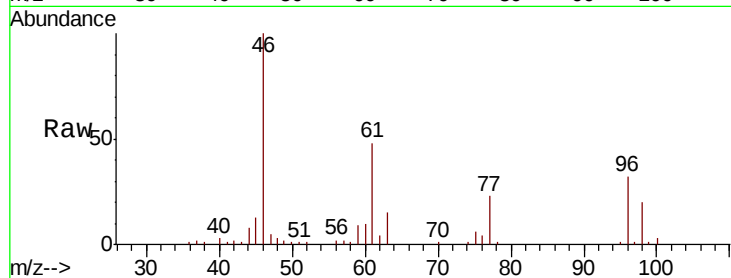
Tot Ion: 96 Resp: 14656

Ion Ratio Lower Upper

96 100

61 149.1 99.8 185.4

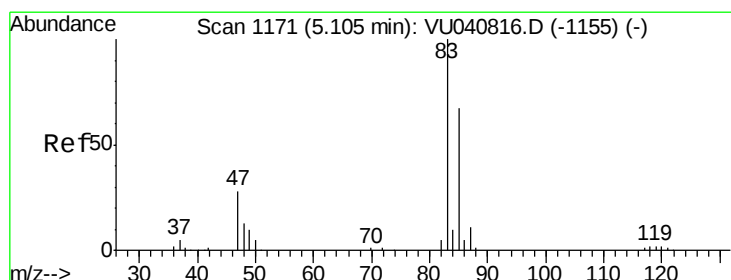
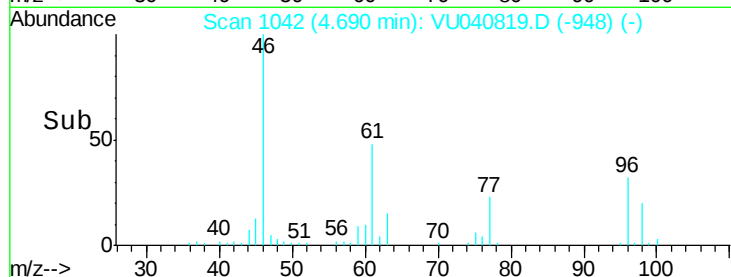
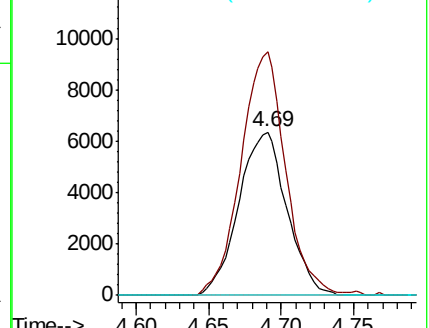
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040819.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU040819.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU040819.D (-1023) (-)



#25

Chloroform

Concen: 0.290 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040819.D

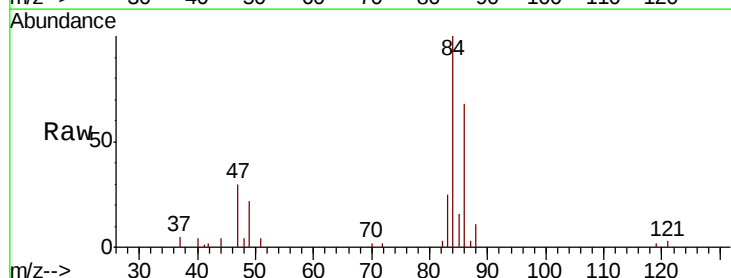
Acq: 19 Oct 2020 21:32

Tgt Ion: 83 Resp: 5174

Ion Ratio Lower Upper

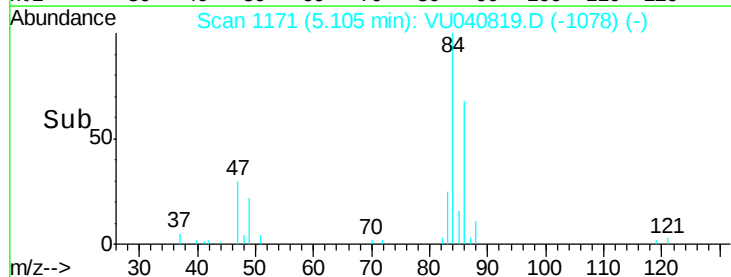
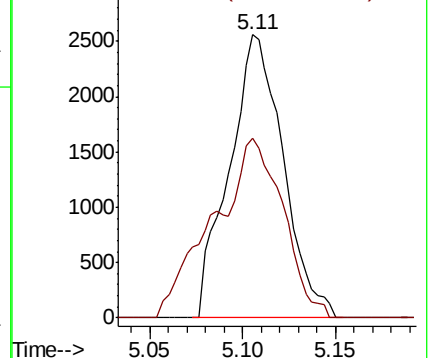
83 100

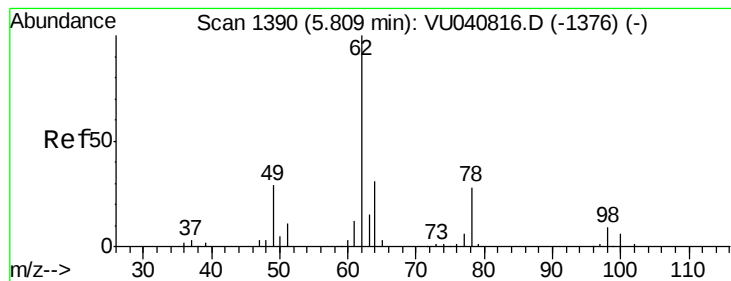
85 63.4 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040819.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU040819.D (-1155) (-)





#27

1,2-Dichloroethane

Concen: 0.065 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampled :

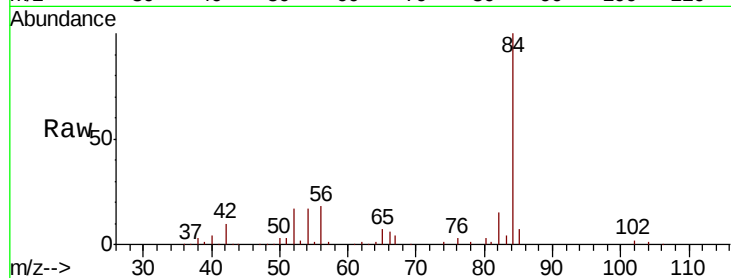
C0AK8

Tot Ion: 62 Resp: 819

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040819.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040819.D (-1297) (-)

5.75

400

300

200

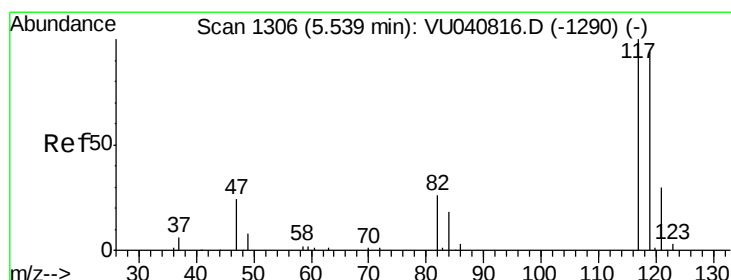
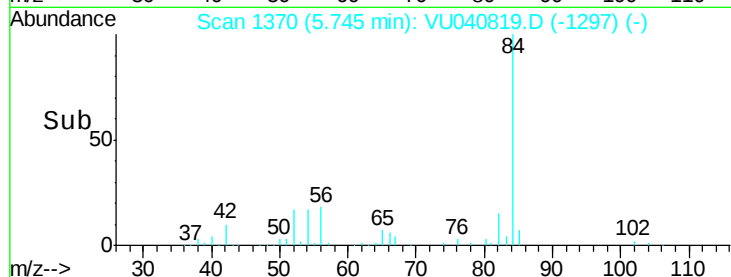
100

0

5.70

5.75

Time-->



#31

Carbon tetrachloride

Concen: 0.169 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040819.D

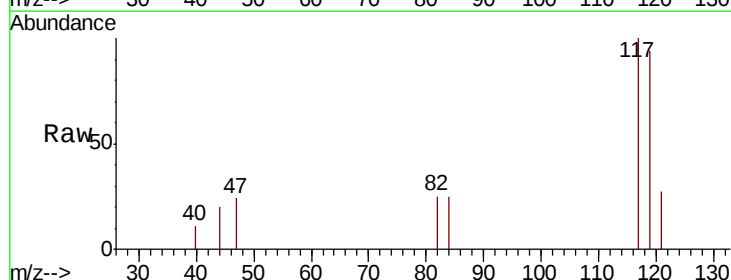
Acq: 19 Oct 2020 21:32

Tgt Ion: 117 Resp: 2286

Ion Ratio Lower Upper

117 100

119 98.6 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU040819.D (-1213) (-)

Ion 118.90 (118.60 to 119.60): VU040819.D (-1213) (-)

5.54

1000

500

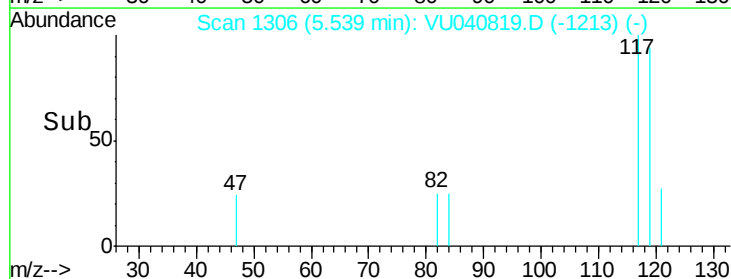
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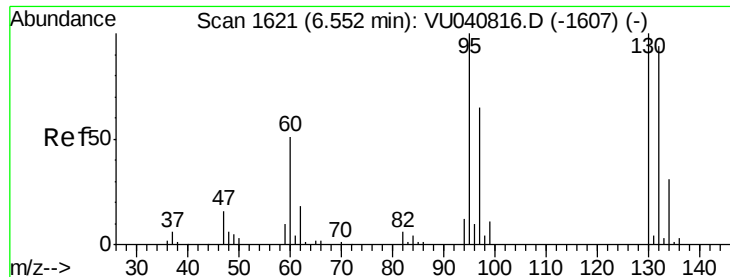
5.50

5.55

5.60

Time-->





#34

Trichloroethene

Concen: 5.607 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 95 Resp: 54992

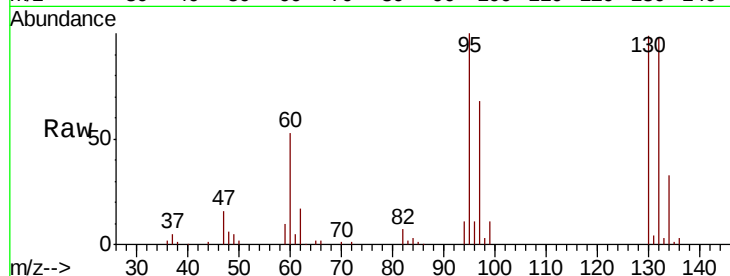
Ion Ratio Lower Upper

95 100

97 68.5 45.5 84.5

132 97.9 67.5 125.4

130 99.3 69.9 129.9

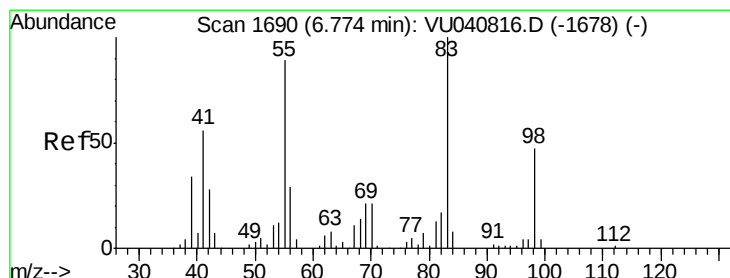
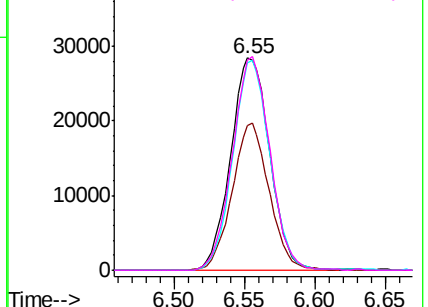
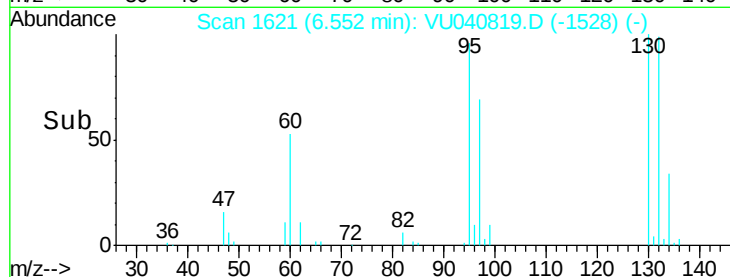


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.814 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

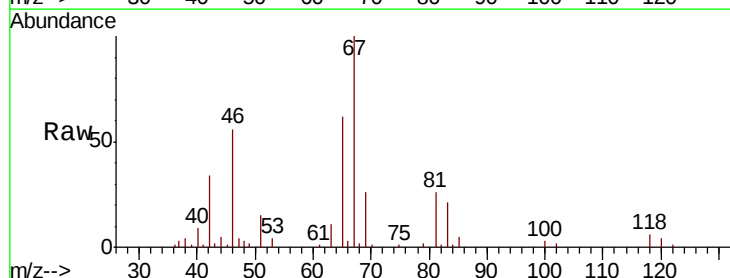
Tgt Ion: 83 Resp: 11327

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

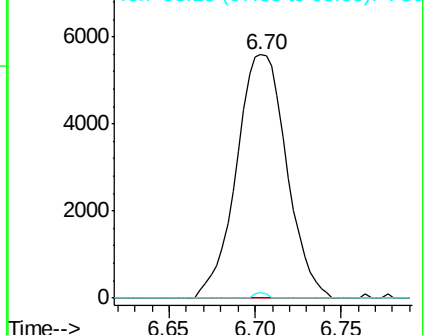
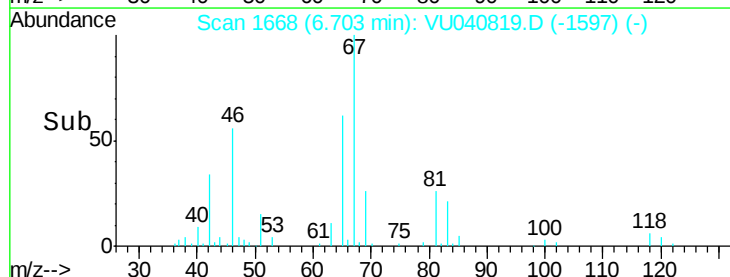
98 0.6 38.4 57.6#

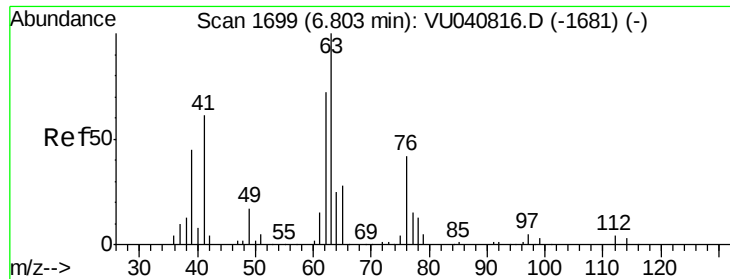


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

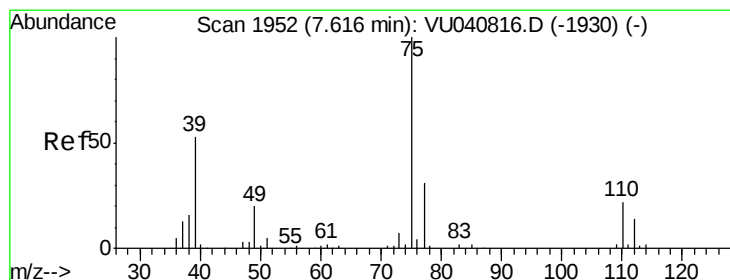
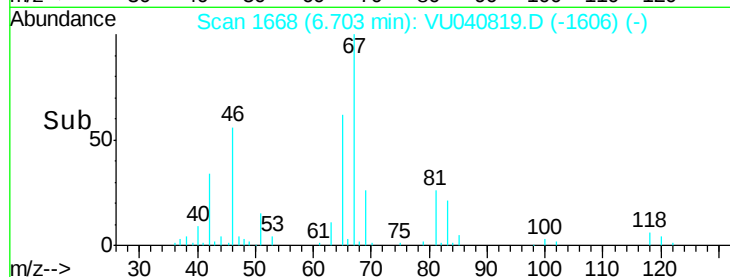
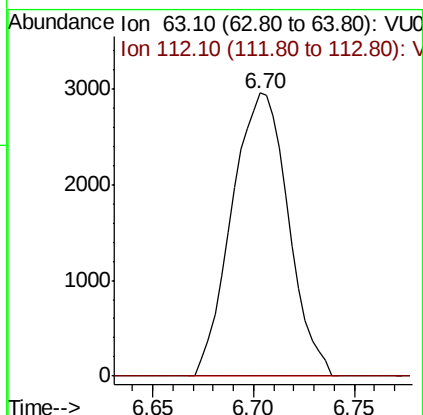
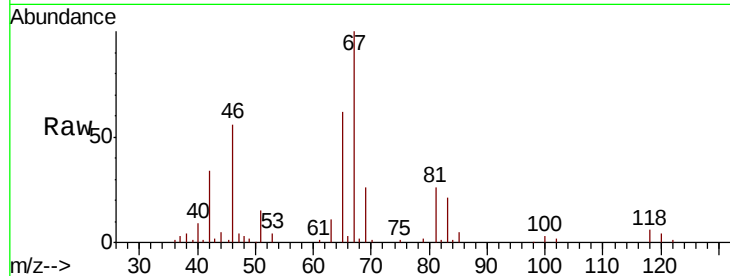




#37
 1,2-Dichloropropane
 Concen: 0.548 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040819.D
 Acq: 19 Oct 2020 21:32

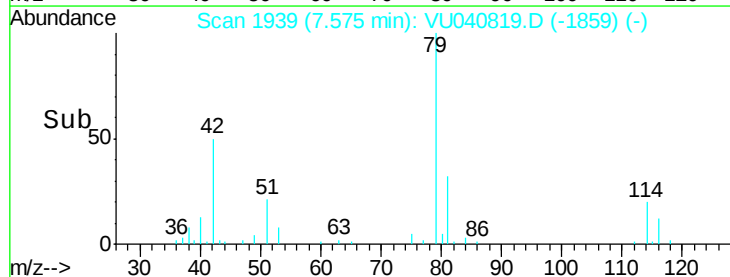
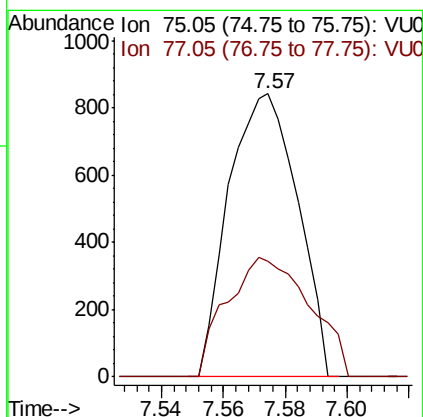
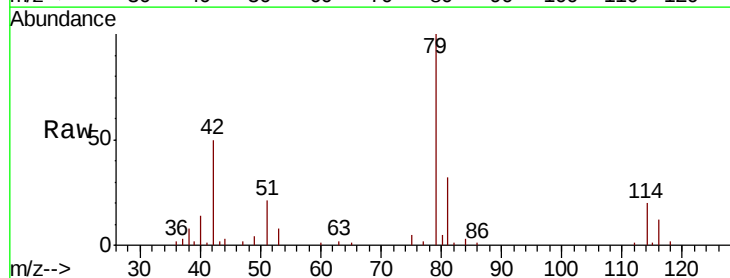
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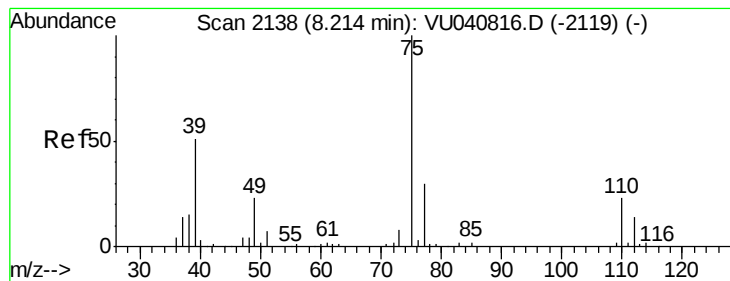
Tot Ion: 63 Resp: 5781
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040819.D
 Acq: 19 Oct 2020 21:32

Tgt Ion: 75 Resp: 1301
 Ion Ratio Lower Upper
 75 100
 77 40.7 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

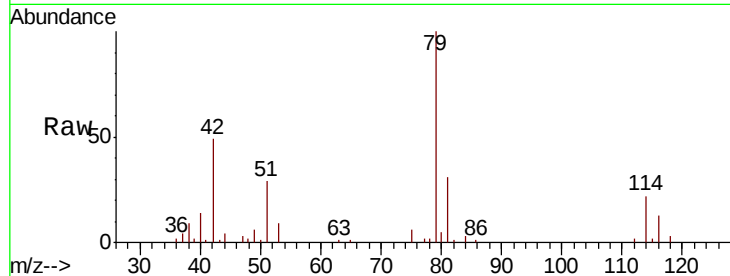
C0AK8

Tot Ion: 75 Resp: 989

Ion Ratio Lower Upper

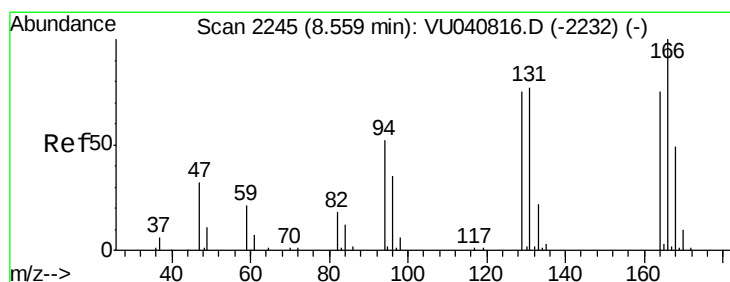
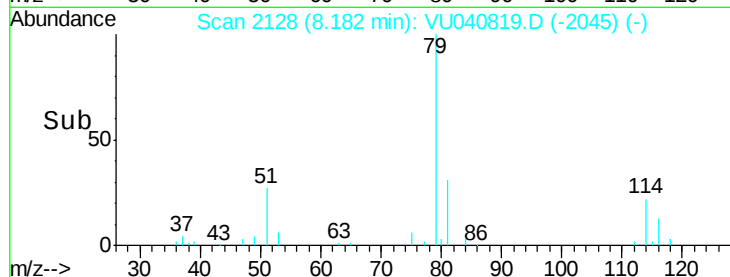
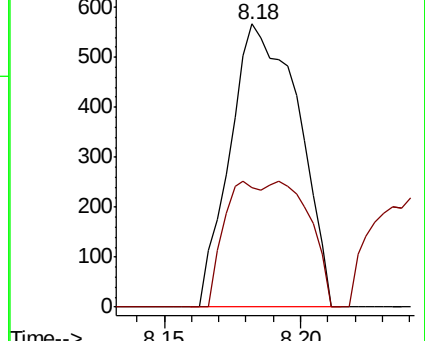
75 100

77 42.2 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: 0.523 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Tgt Ion:164 Resp: 3663

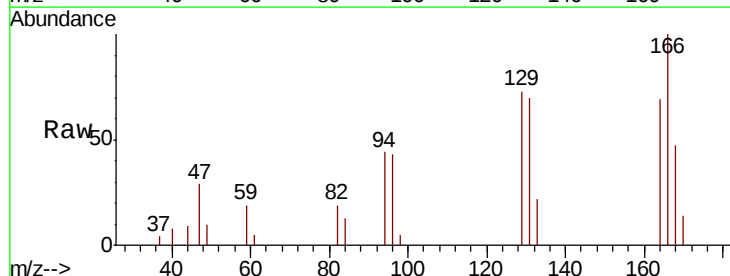
Ion Ratio Lower Upper

164 100

129 105.5 68.8 127.8

131 102.4 66.7 123.9

166 145.4 83.9 155.7

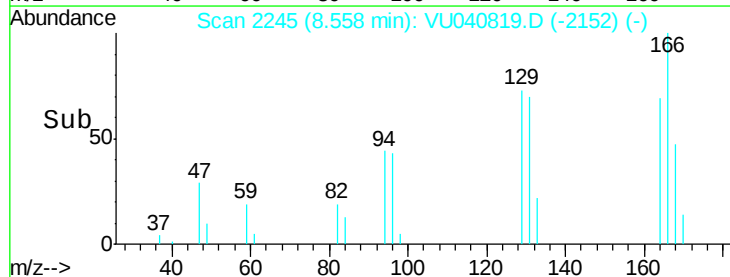
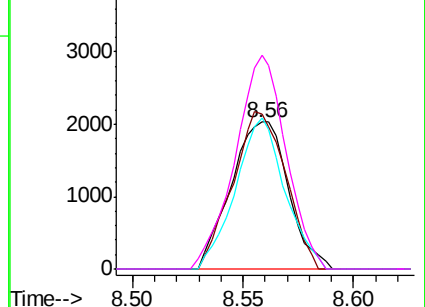


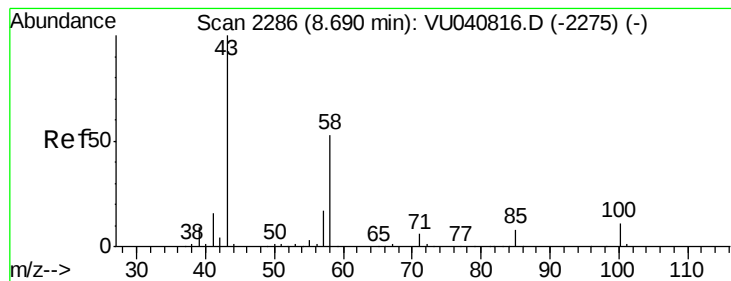
Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.682 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0AK8

Tot Ion: 43 Resp: 16782

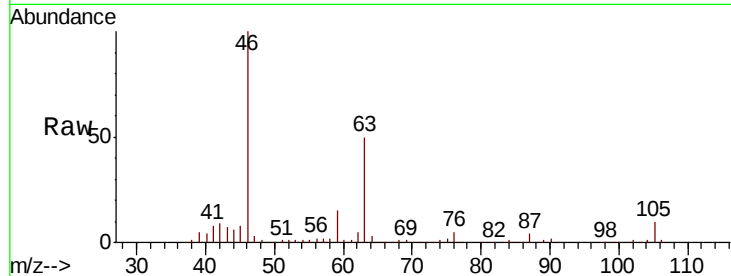
Ion Ratio Lower Upper

43 100

58 35.0 41.0 61.6#

57 31.9 14.4 21.6#

100 1.6 8.6 13.0#

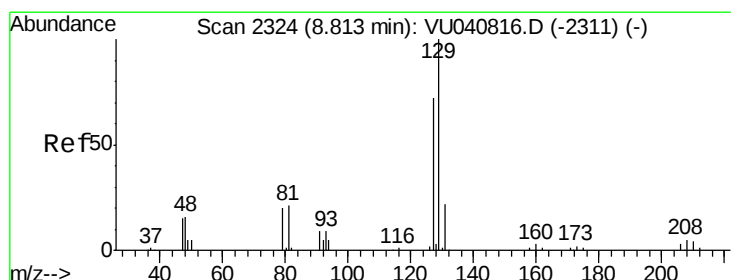
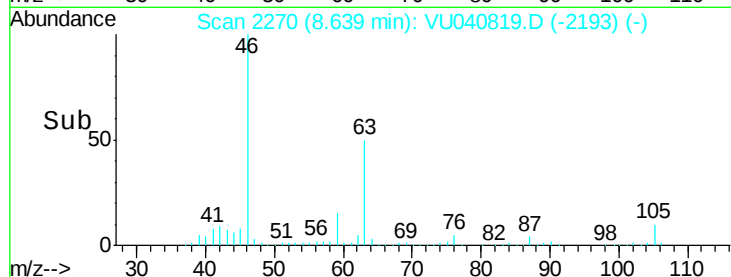
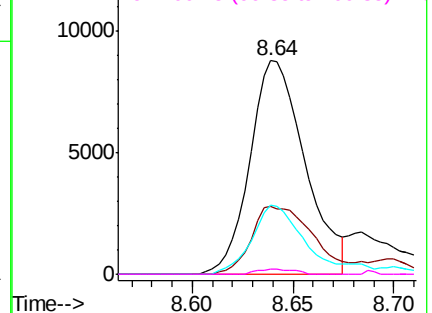


Abundance Ion 43.05 (42.75 to 43.75): VU040819.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040819.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040819.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040819.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.398 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040819.D

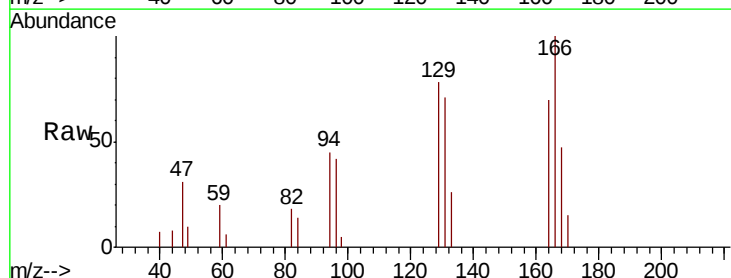
Acq: 19 Oct 2020 21:32

Tgt Ion: 129 Resp: 3617

Ion Ratio Lower Upper

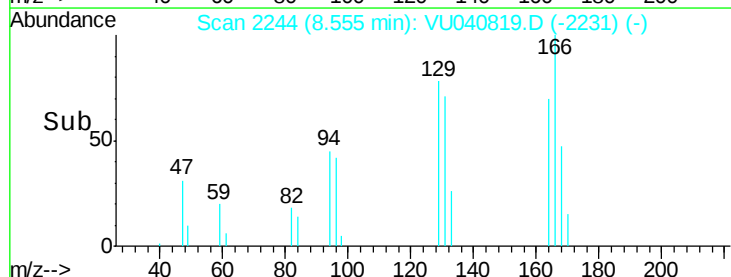
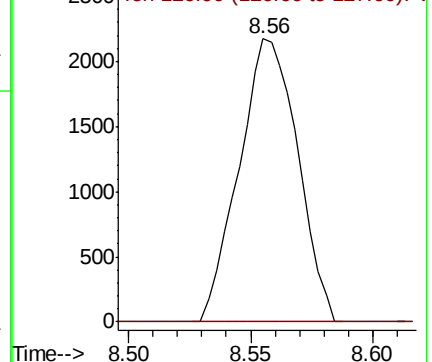
129 100

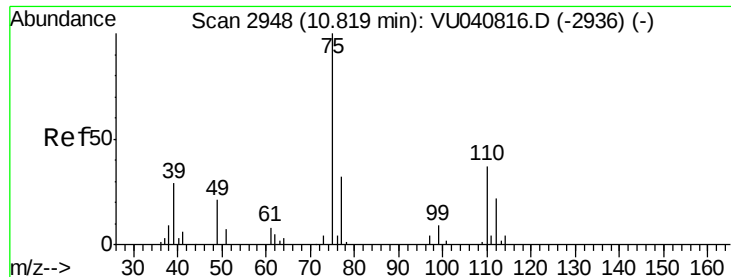
127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040819.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040819.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.785 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040819.D

Acq: 19 Oct 2020 21:32

Instrument :

MSVOA_U

ClientSampleId :

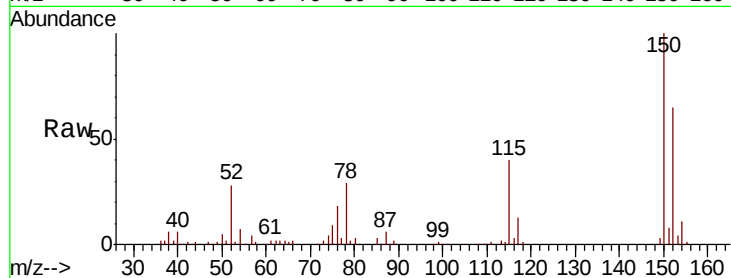
C0AK8

Tot Ion: 75 Resp: 6079

Ion Ratio Lower Upper

75 100

77 38.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

