

Data File : VU030777.D
Acq On : 06 Apr 2019 05:38
Operator : JC/SP
Sample : K2249-08DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE1DL

Quant Time: Apr 08 01:06:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	439531	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	418724	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	174560	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202345	51.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.14%
7) Chloroethane-d5	1.67	69	159509	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.12%
11) 1,1-Dichloroethene-d2	2.27	63	274791	38.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.44%
21) 2-Butanone-d5	4.17	46	344126	110.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.66%
24) Chloroform-d	4.64	84	296449	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
26) 1,2-Dichloroethane-d4	5.31	65	216952	53.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.10%
32) Benzene-d6	5.34	84	629969	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.08%
36) 1,2-Dichloropropane-d6	6.32	67	221959	52.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.96%
41) Toluene-d8	7.56	98	514571	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.85	79	91069	47.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.34%
47) 2-Hexanone-d5	8.31	63	195049	101.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290038	51.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	173274	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2390	0.759 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	10852	3.572 ug/L #	1
13) Acetone	2.32	43	5135	1.614 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	3569	1.106 ug/L #	82
19) 1,1-Dichloroethane	3.44	63	118176	17.751 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	353424	99.220 ug/L	99
25) Chloroform	4.67	83	24651	3.684 ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	176052	34.500 ug/L	98
31) Carbon tetrachloride	4.91	117	21858	4.971 ug/L	96
34) Trichloroethene	6.19	95	3991	1.188 ug/L	85
39) cis-1,3-Dichloropropene	7.22	75	5558	1.006 ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	3458	0.711 ug/L #	73
46) Tetrachloroethene	8.22	164	7098	2.905 ug/L	92
48) 2-Hexanone	8.36	43	6424	1.320 ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	21554	4.638 ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

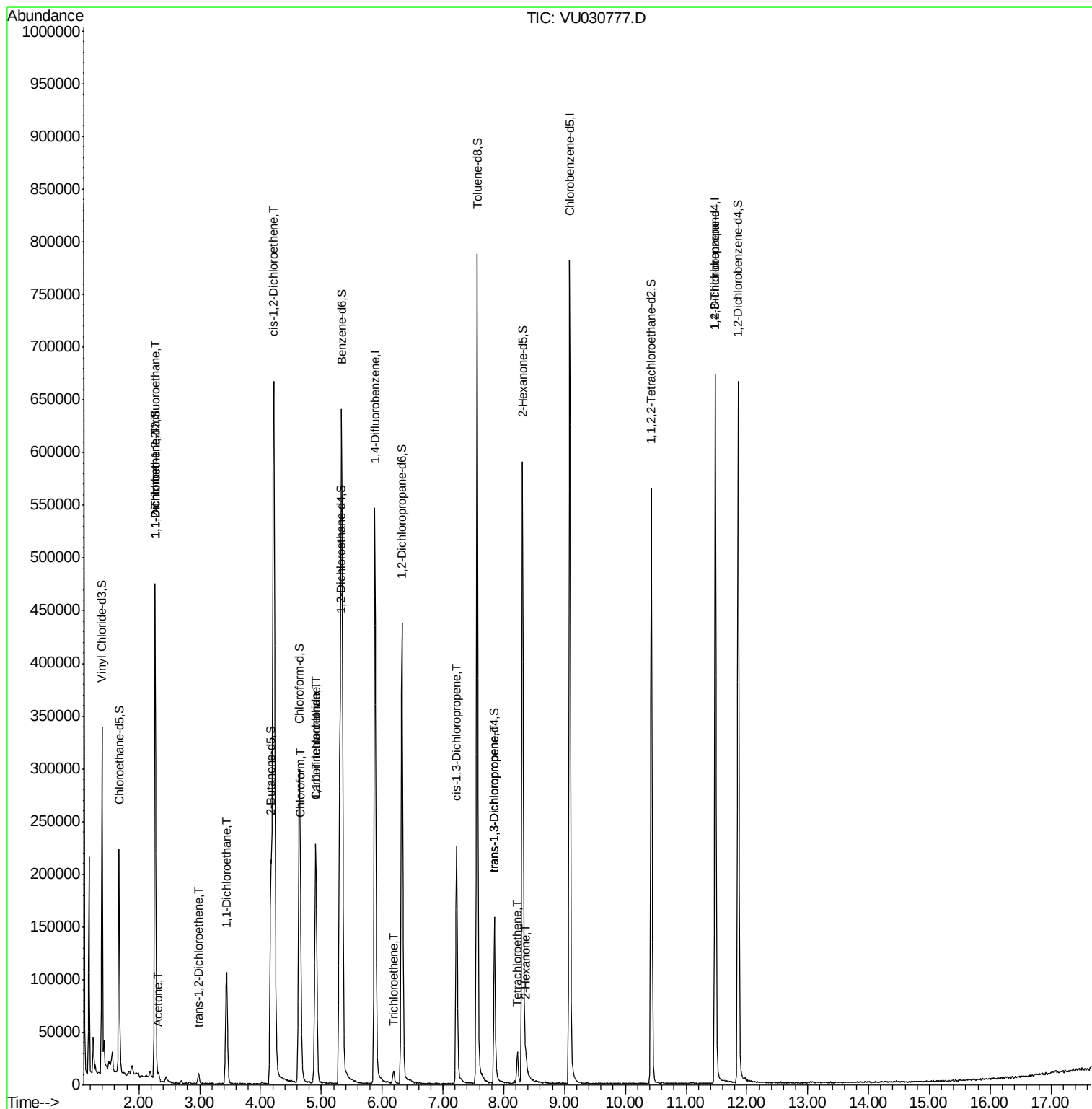
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

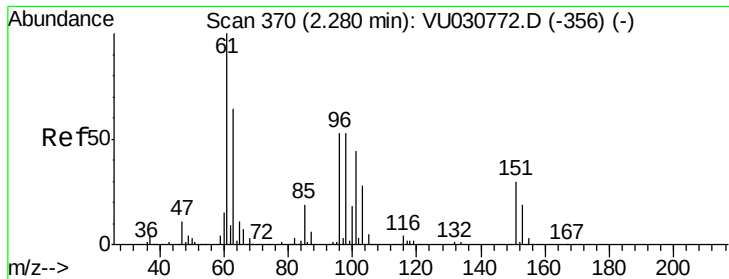
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.759 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL

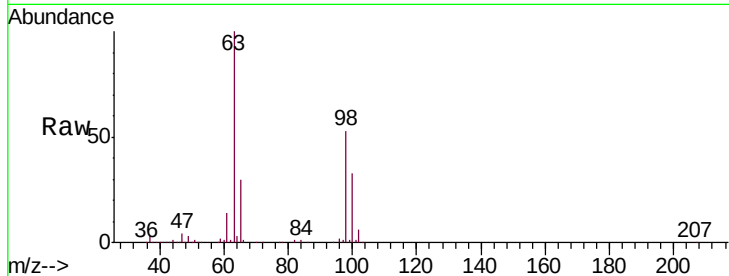
Tgt Ion: 101 Resp: 2390

Ion Ratio Lower Upper

101 100

85 1.7 36.8 55.2#

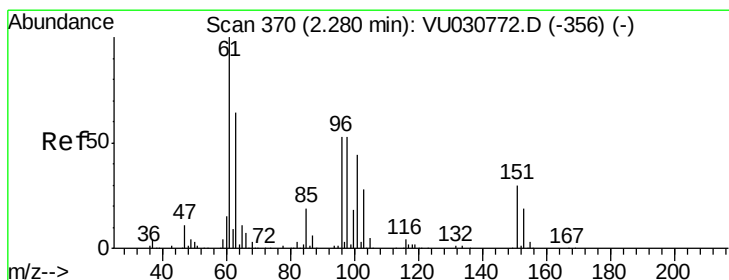
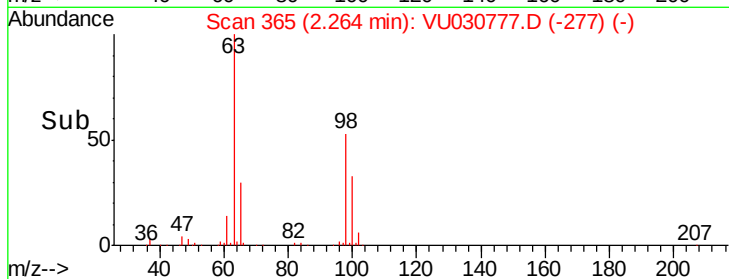
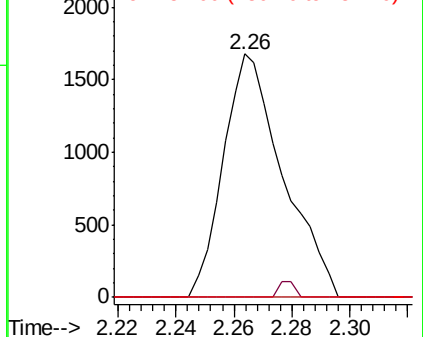
151 0.0 57.4 86.0#



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: 3.572 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

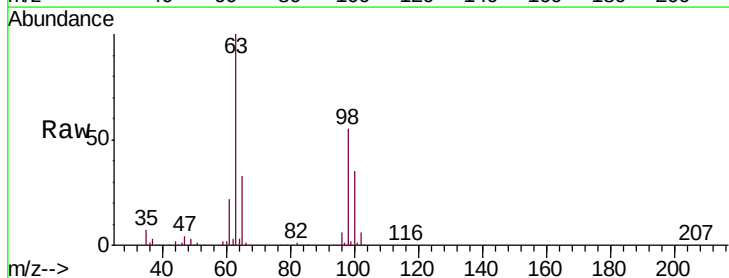
Tgt Ion: 96 Resp: 10852

Ion Ratio Lower Upper

96 100

61 360.7 132.0 245.2#

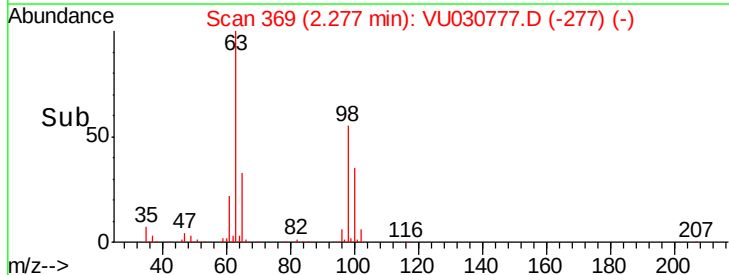
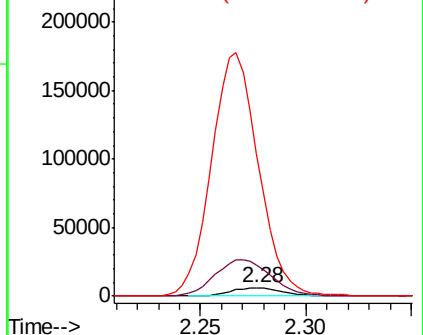
63 1651.9 90.9 168.9#

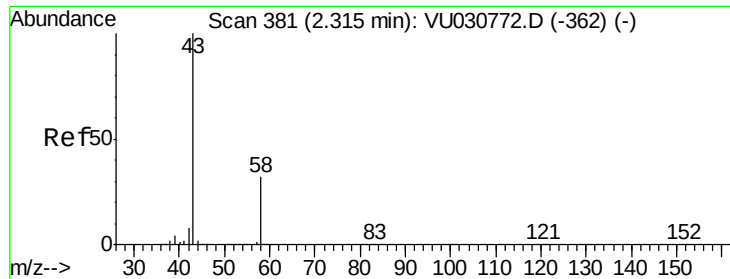


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.614 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

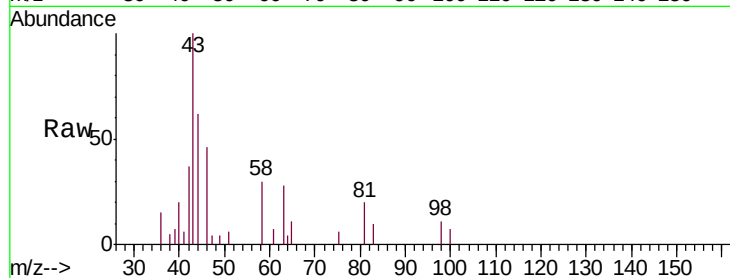
E3YE1DL

Tgt Ion: 43 Resp: 5135

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0

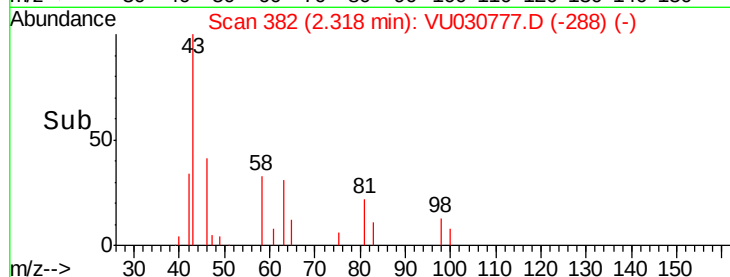


Abundance Ion 43.00 (42.70 to 43.70): VU030777.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030777.D (-362) (-)

2.32

Time-->

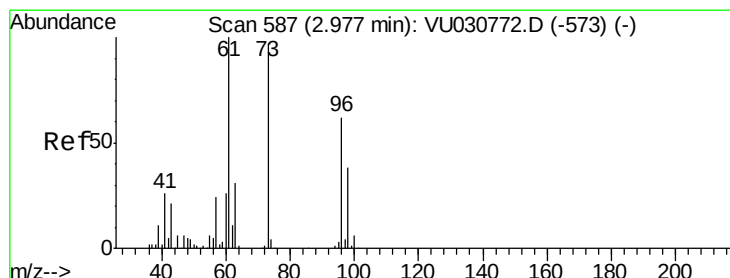


Abundance Ion 43.00 (42.70 to 43.70): VU030777.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU030777.D (-288) (-)

2.32

Time-->



#17

trans-1,2-Dichloroethene

Concen: 1.106 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

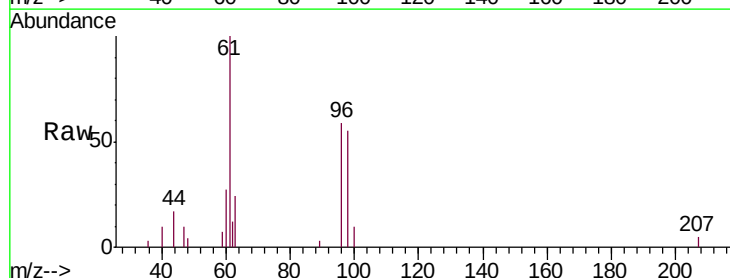
Tgt Ion: 96 Resp: 3569

Ion Ratio Lower Upper

96 100

61 169.7 109.5 203.3

98 92.7 44.0 81.6#



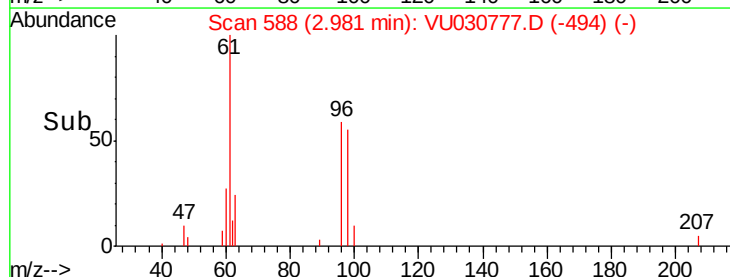
Abundance Ion 96.00 (95.70 to 96.70): VU030777.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030777.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030777.D (-573) (-)

2.98

Time-->



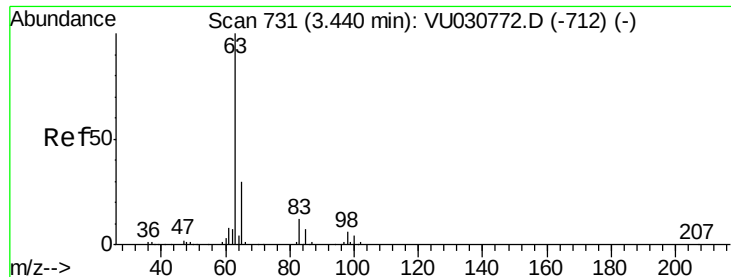
Abundance Ion 96.00 (95.70 to 96.70): VU030777.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030777.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030777.D (-494) (-)

2.98

Time-->



#19

1,1-Dichloroethane

Concen: 17.751 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL

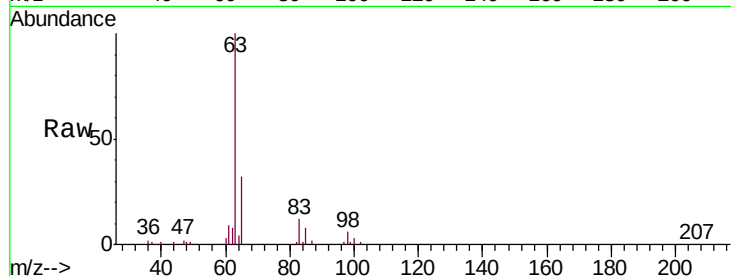
Tgt Ion: 63 Resp: 118176

Ion Ratio Lower Upper

63 100

65 32.2 21.4 39.8

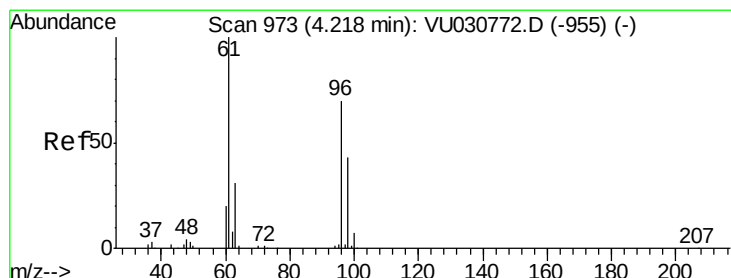
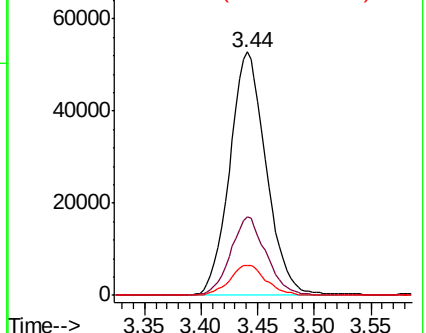
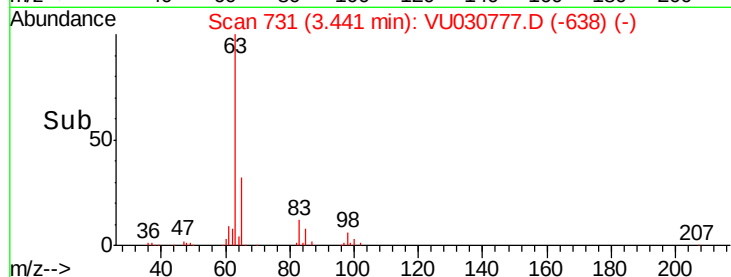
83 12.4 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030777.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU030777.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU030777.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 99.220 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

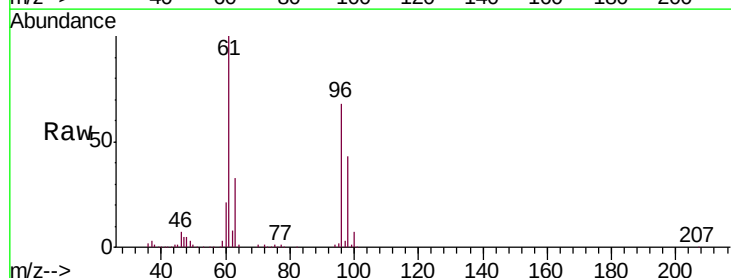
Tgt Ion: 96 Resp: 353424

Ion Ratio Lower Upper

96 100

61 146.2 102.9 191.1

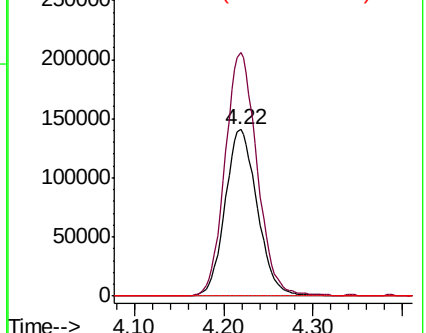
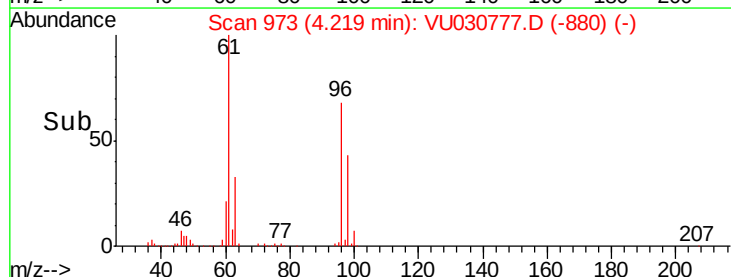
68 0.0 0.0 0.0

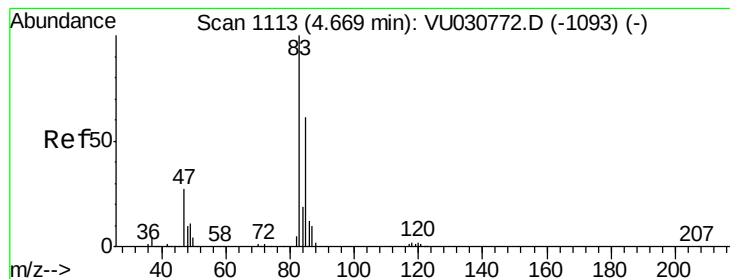


Abundance Ion 96.00 (95.70 to 96.70): VU030777.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU030777.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU030777.D (-880) (-)





#25

Chloroform

Concen: 3.684 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

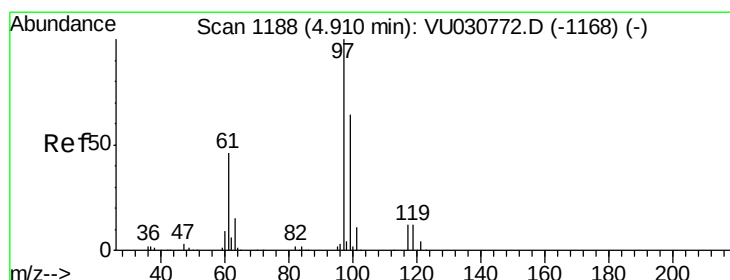
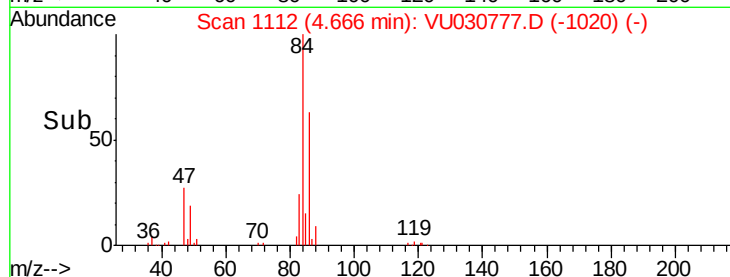
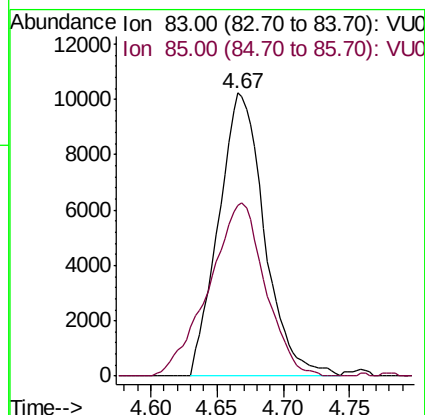
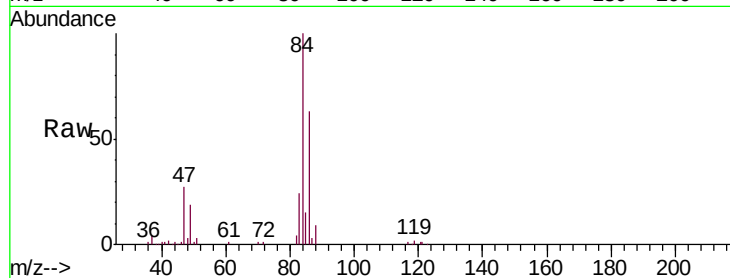
E3YE1DL

Tgt Ion: 83 Resp: 24651

Ion Ratio Lower Upper

83 100

85 60.5 45.8 85.0



#30

1,1,1-Trichloroethane

Concen: 34.500 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

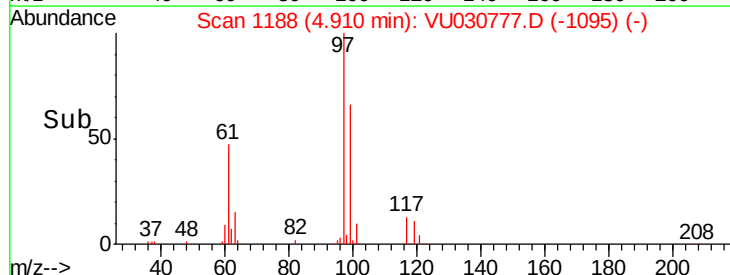
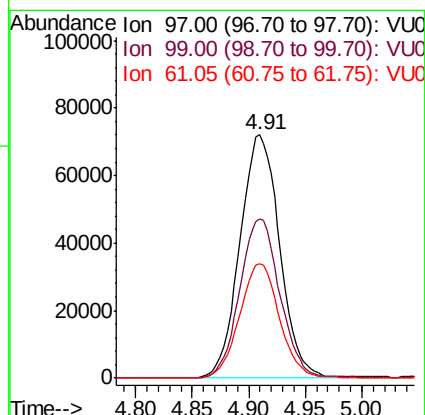
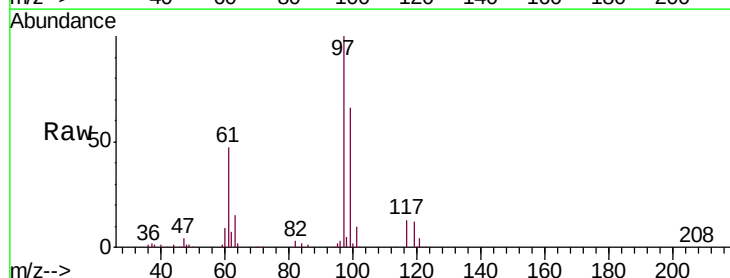
Tgt Ion: 97 Resp: 176052

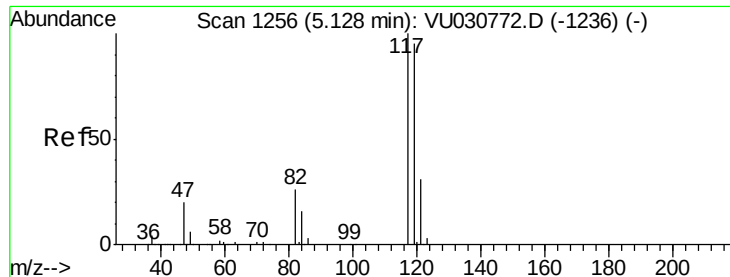
Ion Ratio Lower Upper

97 100

99 65.9 51.4 77.2

61 47.3 37.1 55.7





#31

Carbon tetrachloride

Concen: 4.971 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.22 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

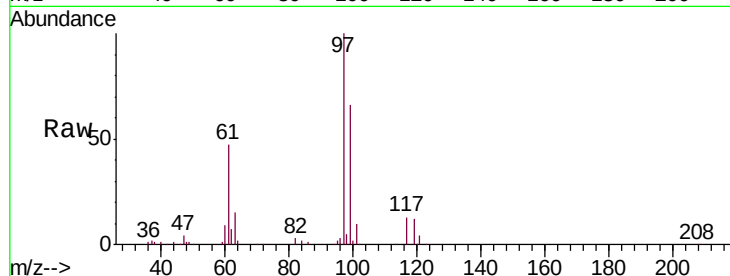
E3YE1DL

Tgt Ion:117 Resp: 21858

Ion Ratio Lower Upper

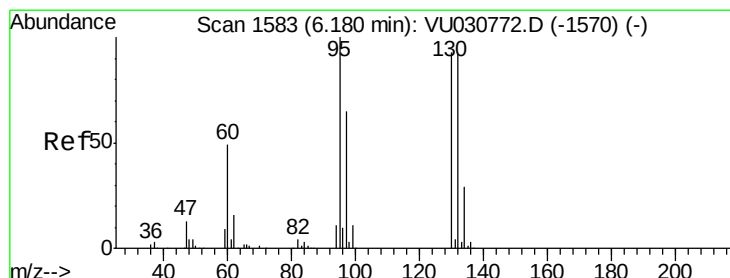
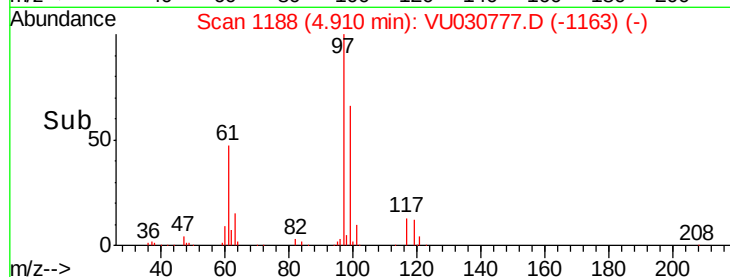
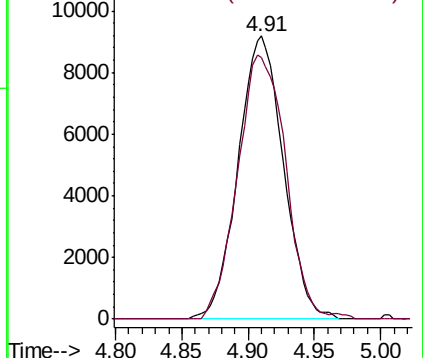
117 100

119 98.7 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 1.188 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Tgt Ion: 95 Resp: 3991

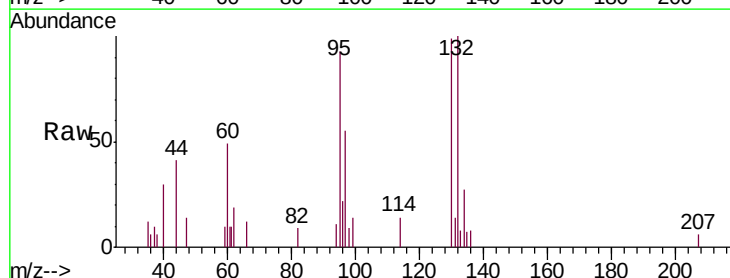
Ion Ratio Lower Upper

95 100

97 58.8 44.5 82.7

132 107.6 61.5 114.1

130 106.8 64.9 120.5

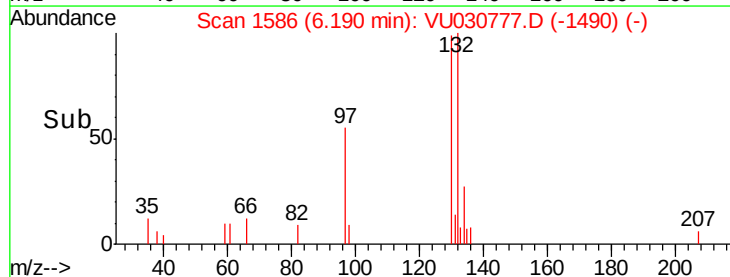
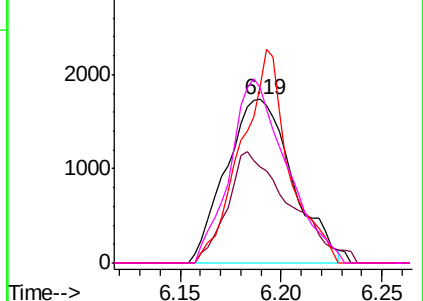


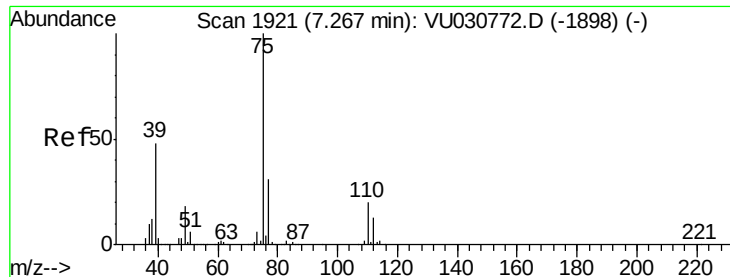
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.006 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

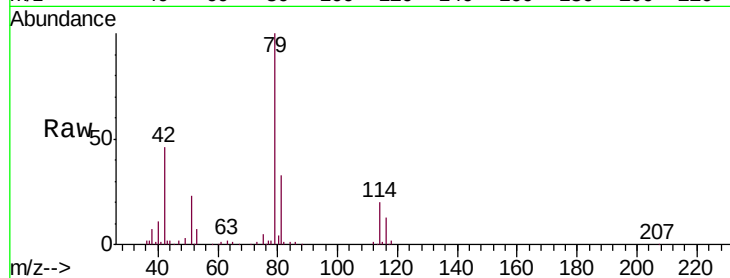
E3YE1DL

Tgt Ion: 75 Resp: 5558

Ion Ratio Lower Upper

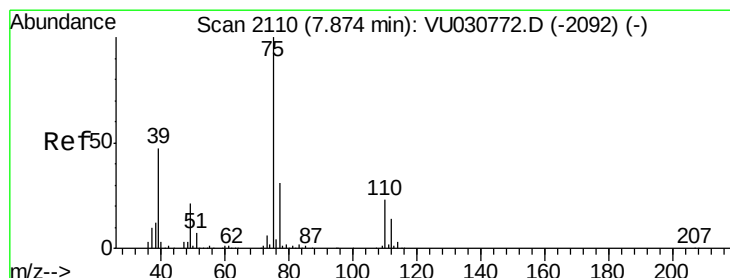
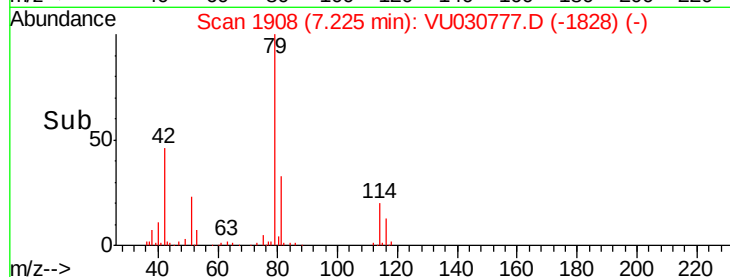
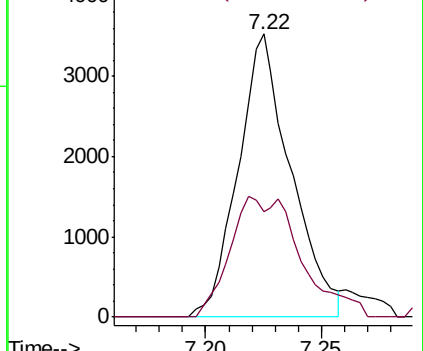
75 100

77 37.0 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030777.D

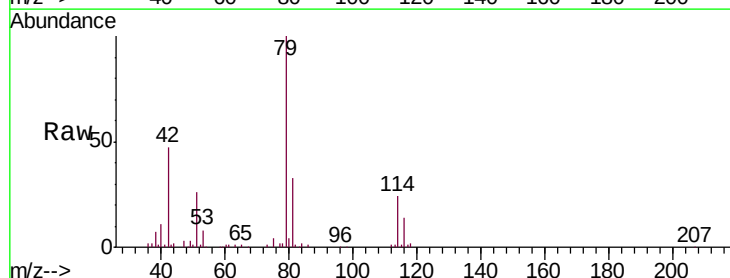
Acq: 06 Apr 2019 05:38

Tgt Ion: 75 Resp: 3458

Ion Ratio Lower Upper

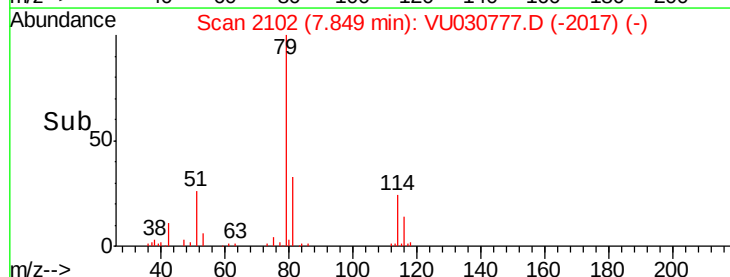
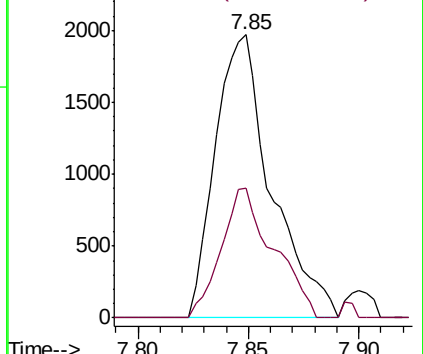
75 100

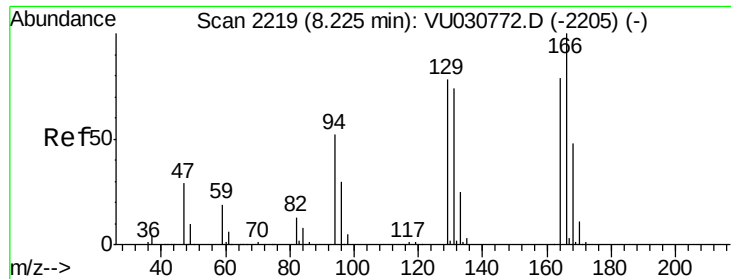
77 45.6 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

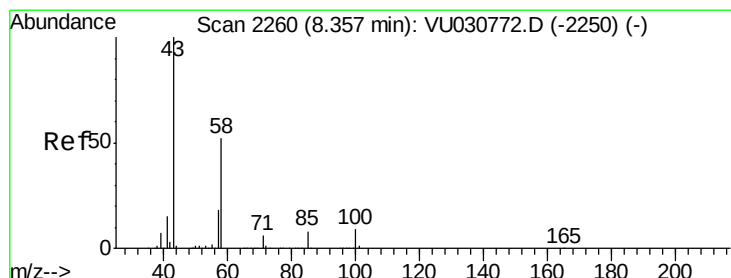
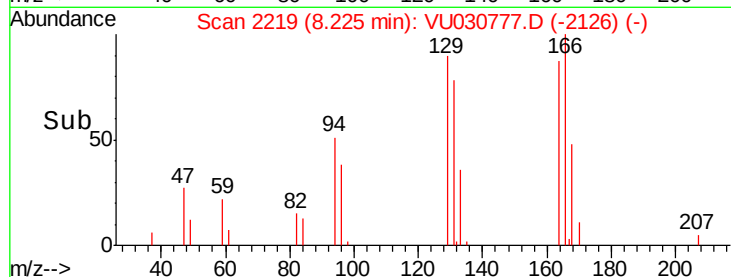
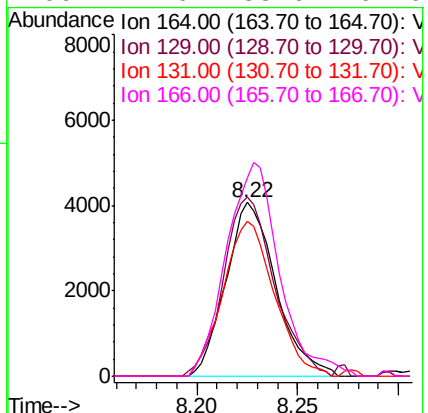
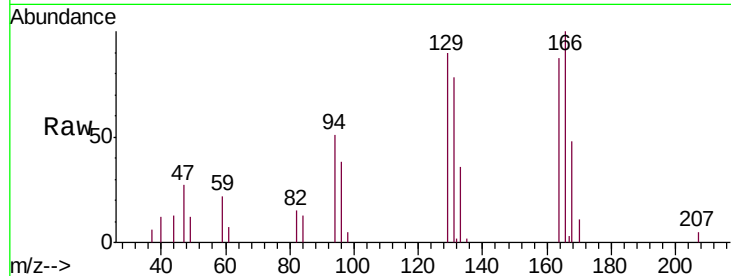




#46
Tetrachloroethene
Concen: 2.905 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030777.D
Acq: 06 Apr 2019 05:38

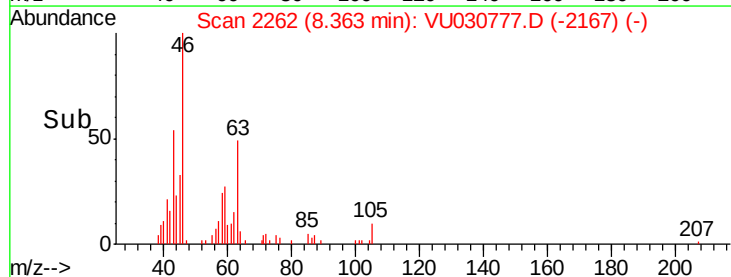
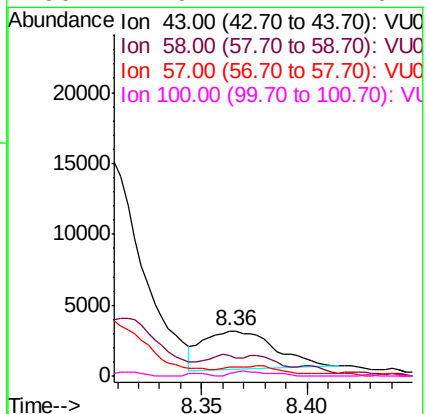
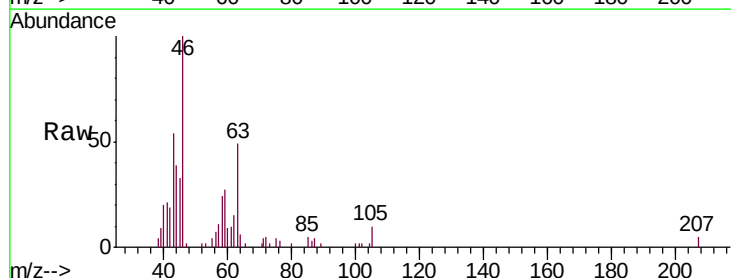
Instrument :
MSVOA_U
ClientSampleId :
E3YE1DL

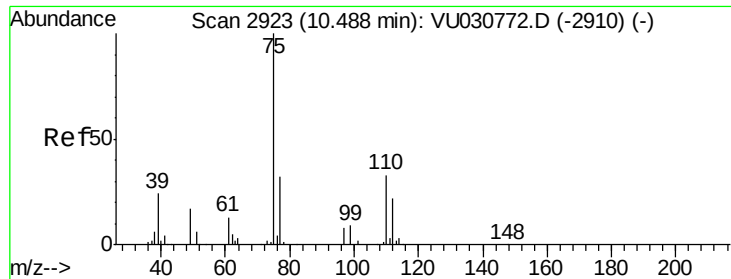
Tgt Ion:164 Resp: 7098
Ion Ratio Lower Upper
164 100
129 103.1 67.4 125.2
131 89.4 65.9 122.5
166 114.6 88.6 164.6



#48
2-Hexanone
Concen: 1.320 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU030777.D
Acq: 06 Apr 2019 05:38

Tgt Ion: 43 Resp: 6424
Ion Ratio Lower Upper
43 100
58 27.0 41.9 62.9#
57 0.0 14.3 21.5#
100 1.9 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 4.638 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030777.D

Acq: 06 Apr 2019 05:38

Instrument :

MSVOA_U

ClientSampleId :

E3YE1DL

Tgt Ion: 75 Resp: 21554

Ion Ratio Lower Upper

75 100

77 39.5 26.1 39.1#

