

Data File : VU030775.D
Acq On : 06 Apr 2019 04:52
Operator : JC/SP
Sample : K2249-10DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE4DL

Quant Time: Apr 06 05:28:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	464823	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	455377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188292	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	214616	51.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.44%
7) Chloroethane-d5	1.68	69	162168	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.98%
11) 1,1-Dichloroethene-d2	2.27	63	327498	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.28%
21) 2-Butanone-d5	4.17	46	348643	106.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.02%
24) Chloroform-d	4.64	84	291612	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
26) 1,2-Dichloroethane-d4	5.31	65	223331	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.28%
32) Benzene-d6	5.34	84	648051	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
36) 1,2-Dichloropropane-d6	6.32	67	225926	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.18%
41) Toluene-d8	7.56	98	563204	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	95347	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
47) 2-Hexanone-d5	8.31	63	208935	100.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294920	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	182983	49.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.82%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2771	0.833	ug/L #	21
13) Acetone	2.32	43	3782	1.124	ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	2209	0.647	ug/L	96
19) 1,1-Dichloroethane	3.44	63	144777	20.563	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	176892	46.959	ug/L	98
25) Chloroform	4.67	83	36710	5.188	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	398132	71.740	ug/L	99
34) Trichloroethene	6.18	95	93212	25.503	ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	6318	1.052	ug/L	86
44) trans-1,3-Dichloropropene	7.85	75	4057	0.766	ug/L #	68
45) 1,1,2-Trichloroethane	8.07	97	1774	0.496	ug/L	87
46) Tetrachloroethene	8.22	164	35755	13.456	ug/L	96
48) 2-Hexanone	8.31	43	26403	4.987	ug/L #	74
59) 1,2,3-Trichloropropane	11.48	75	24298	4.808	ug/L #	87

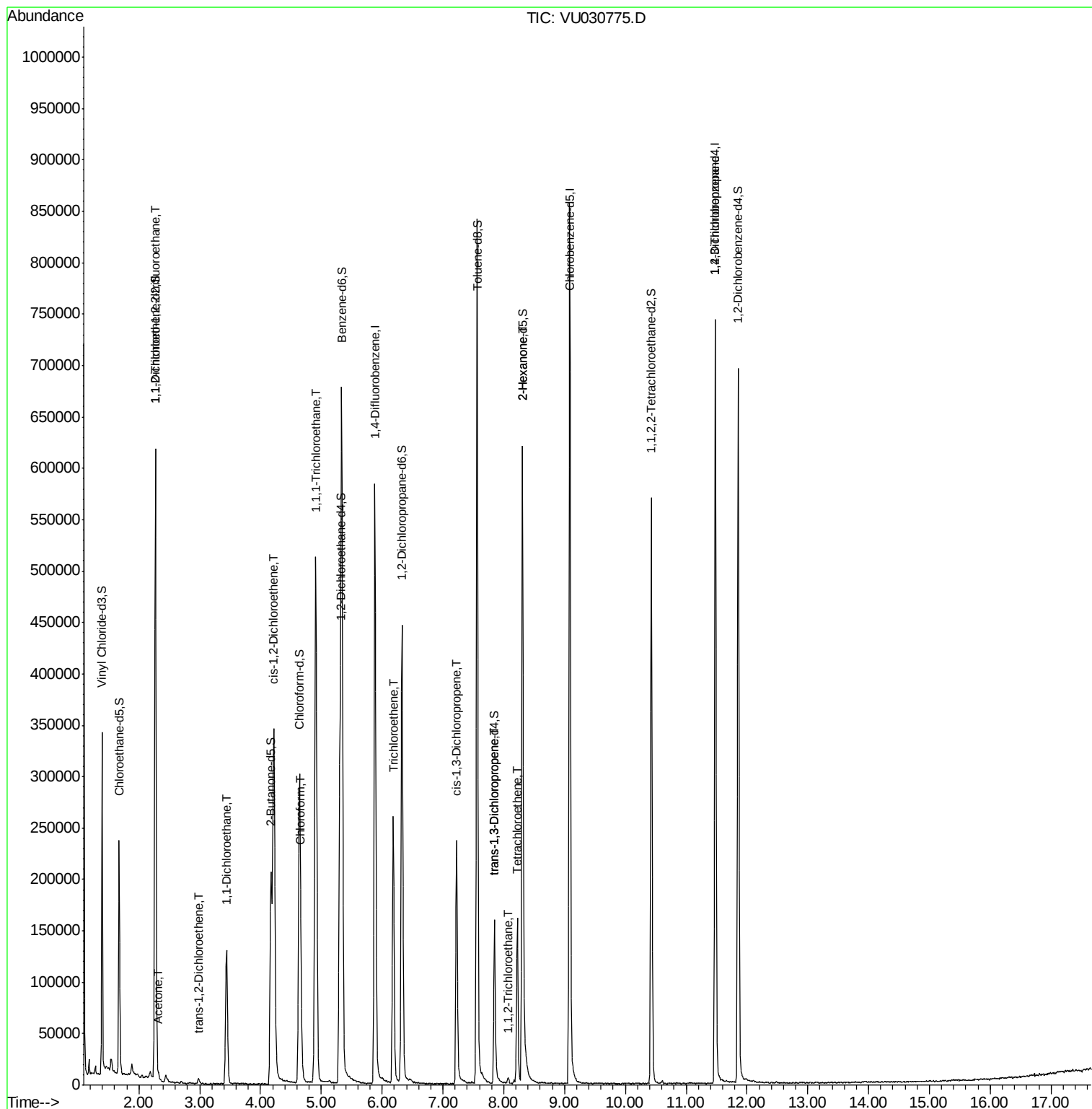
(#) = qualifier out of range (m) = manual integration (+) = signals summed

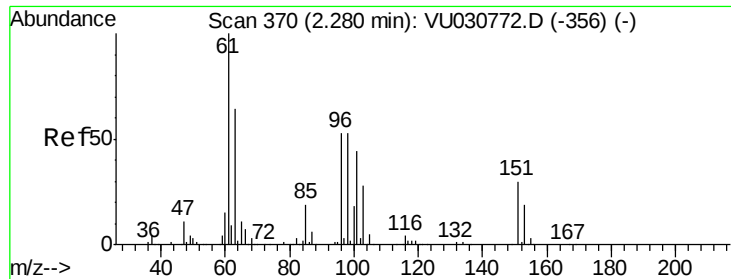
Data File : VU030775.D

```
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Quant Title : VOC Analysis
QLast Update : Sat Apr 06 05:25:32 2019
Response via : Initial Calibration





#10

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

Concen: 0.833 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

Instrument :

MSVOA_U

ClientSampleId :

E3YE4DL

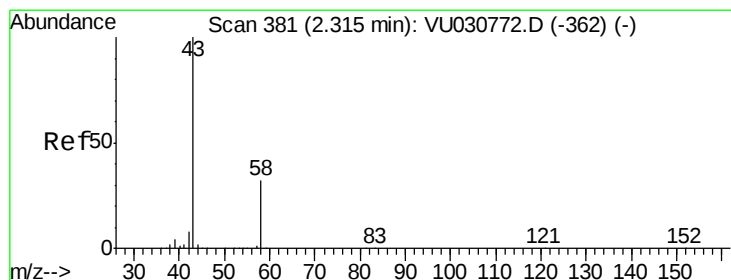
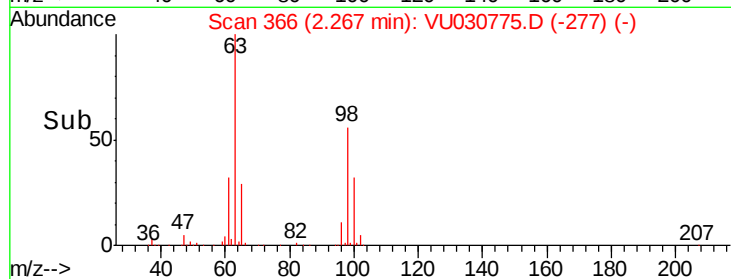
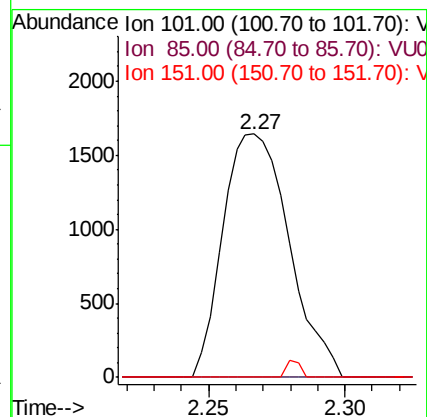
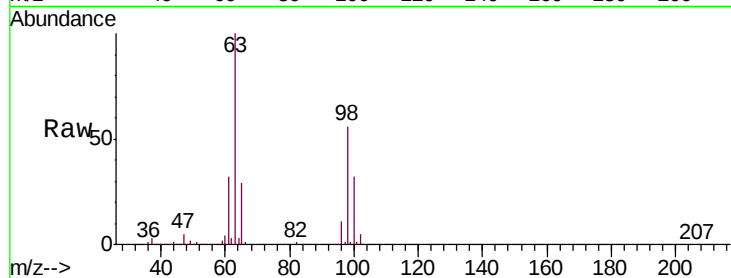
Tgt Ion:101 Resp: 2771

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 1.5 57.4 86.0#



#13

Acetone

Concen: 1.124 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030775.D

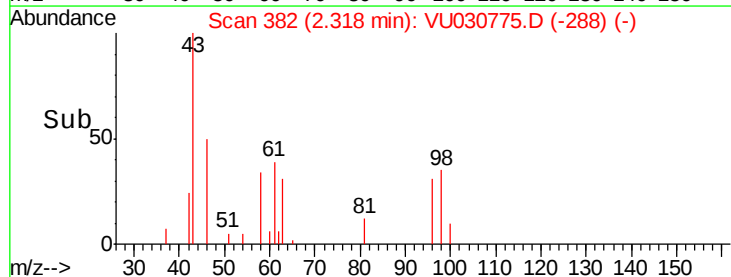
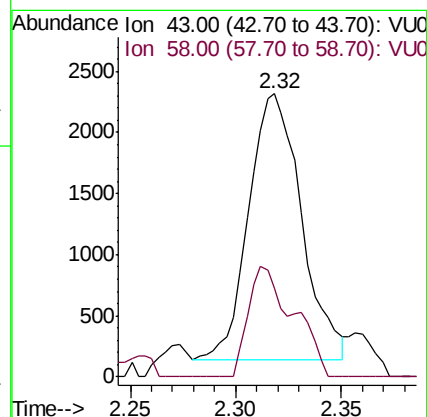
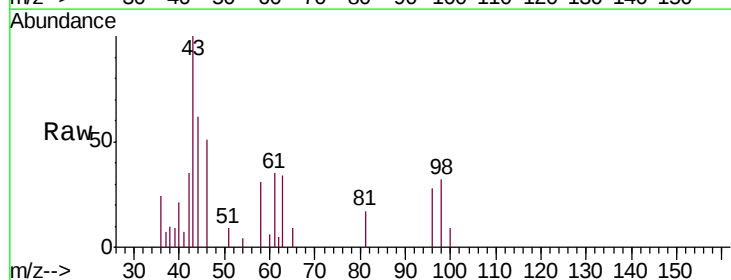
Acq: 06 Apr 2019 04:52

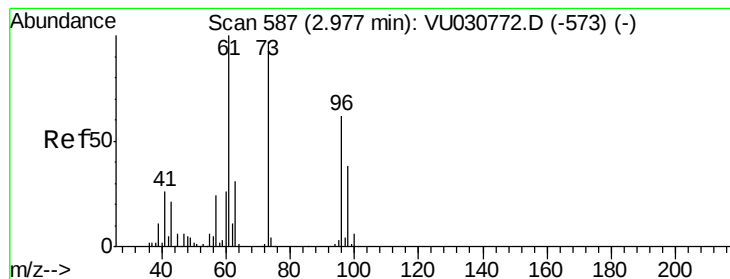
Tgt Ion: 43 Resp: 3782

Ion Ratio Lower Upper

43 100

58 25.7 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 0.647 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

Instrument :

MSVOA_U

ClientSampleId :

E3YE4DL

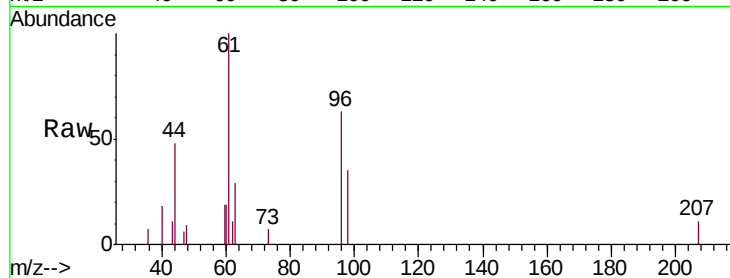
Tgt Ion: 96 Resp: 2209

Ion Ratio Lower Upper

96 100

61 158.0 109.5 203.3

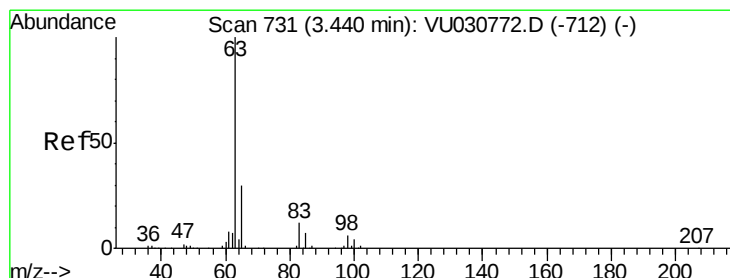
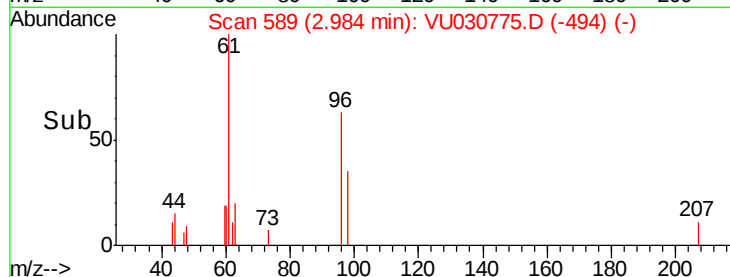
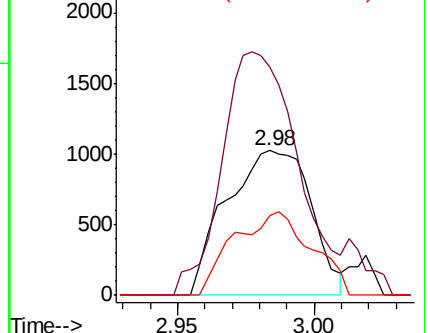
98 54.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030775.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030775.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030775.D (-573) (-)



#19

1,1-Dichloroethane

Concen: 20.563 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

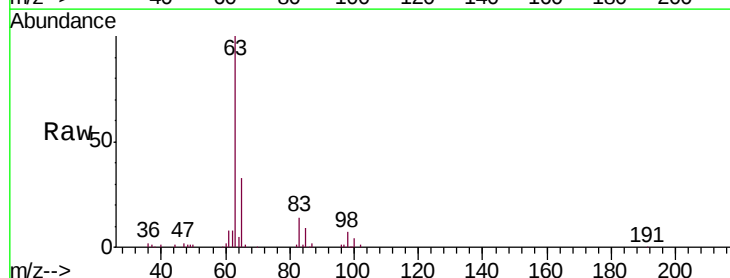
Tgt Ion: 63 Resp: 144777

Ion Ratio Lower Upper

63 100

65 33.4 21.4 39.8

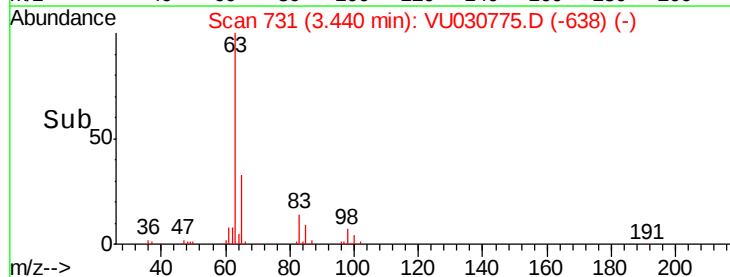
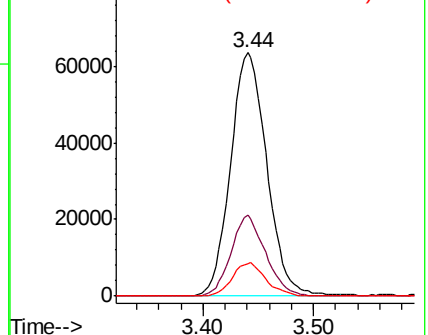
83 13.6 8.5 15.7

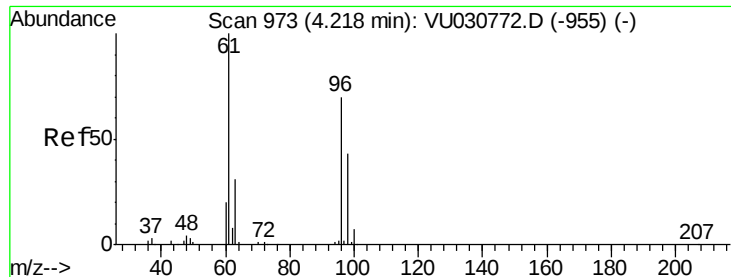


Abundance Ion 63.00 (62.70 to 63.70): VU030775.D (-712) (-)

Ion 65.00 (64.70 to 65.70): VU030775.D (-712) (-)

Ion 83.00 (82.70 to 83.70): VU030775.D (-712) (-)

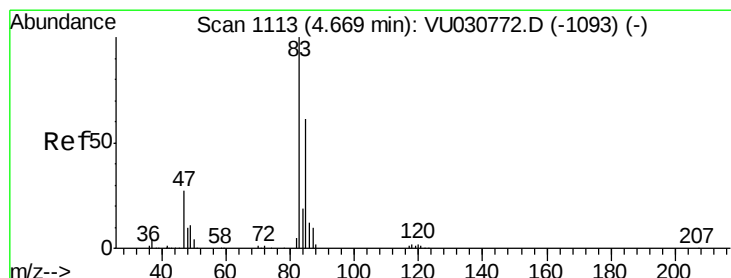
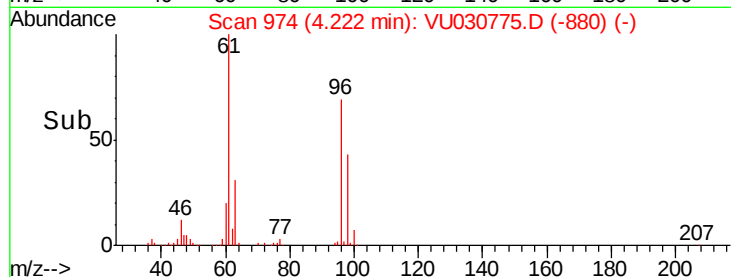
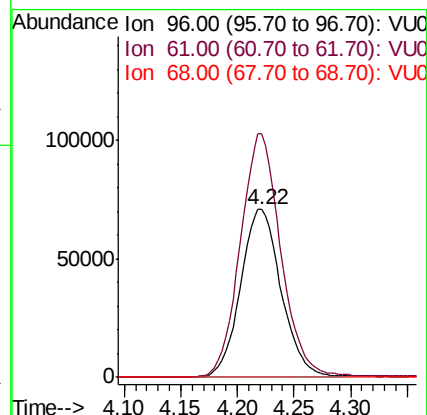
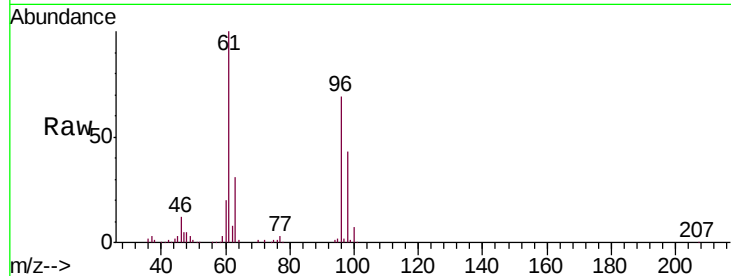




#20
 cis-1,2-Dichloroethene
 Concen: 46.959 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

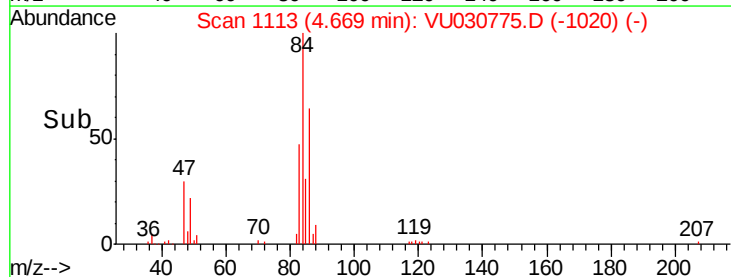
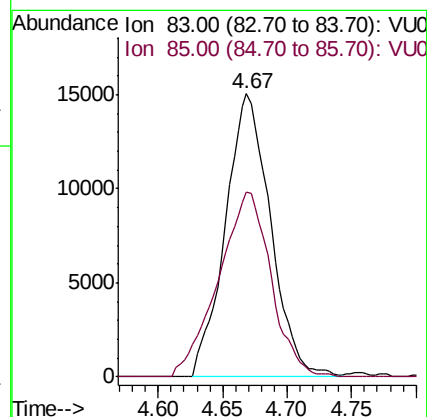
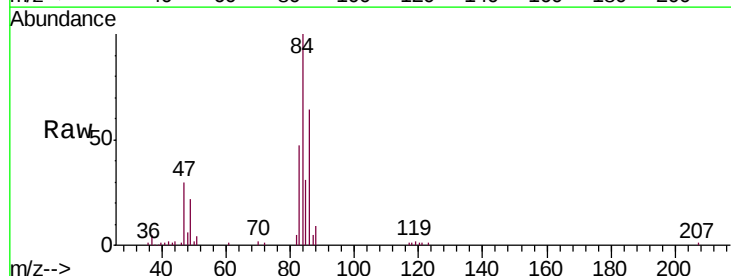
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE4DL

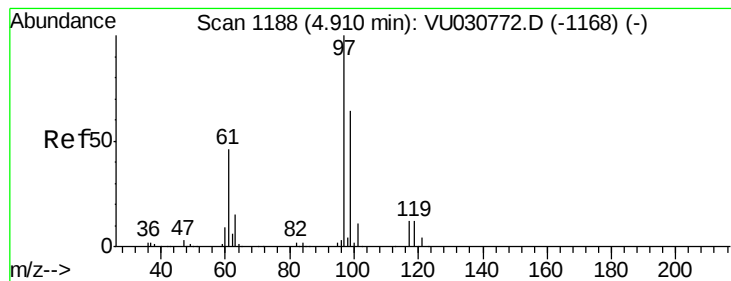
Tgt Ion: 96 Resp: 176892
 Ion Ratio Lower Upper
 96 100
 61 144.9 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 5.188 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

Tgt Ion: 83 Resp: 36710
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.8 85.0





#30

1,1,1-Trichloroethane

Concen: 71.740 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

Instrument :

MSVOA_U

ClientSampleId :

E3YE4DL

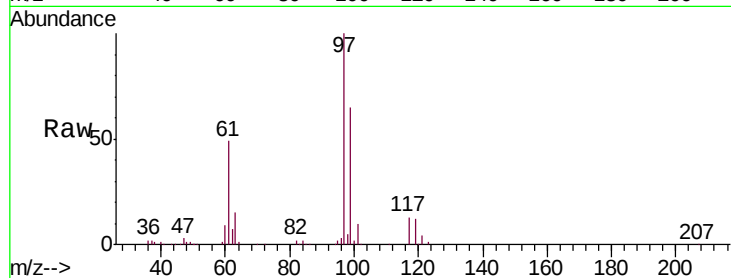
Tgt Ion: 97 Resp: 398132

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

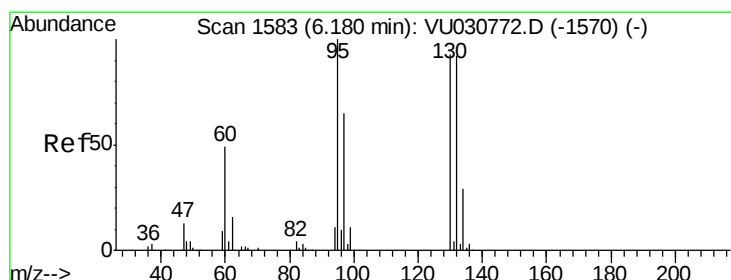
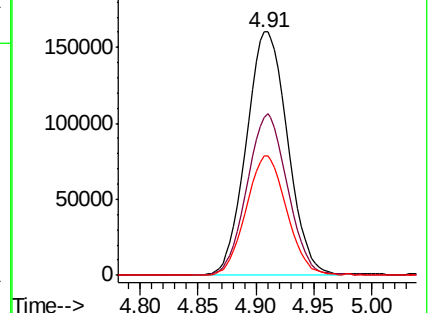
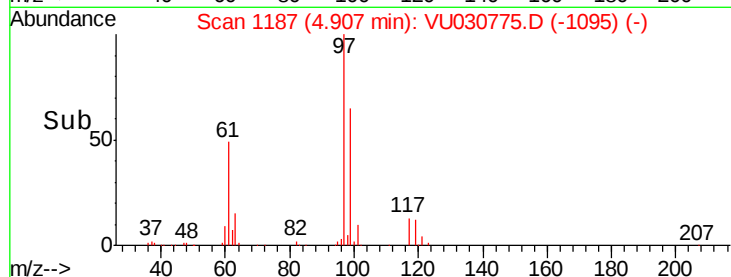
61 48.0 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU030775.D (-1168) (-)

Ion 99.00 (98.70 to 99.70): VU030775.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU030775.D (-1168) (-)



#34

Trichloroethene

Concen: 25.503 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

Tgt Ion: 95 Resp: 93212

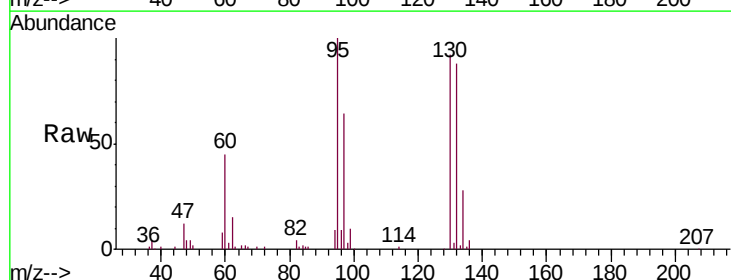
Ion Ratio Lower Upper

95 100

97 63.8 44.5 82.7

132 88.3 61.5 114.1

130 92.4 64.9 120.5

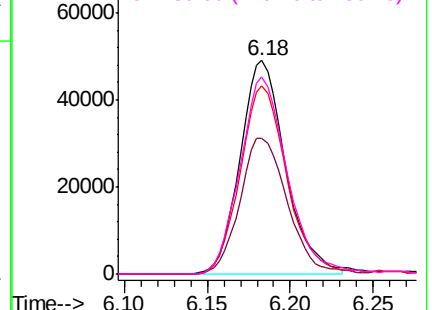
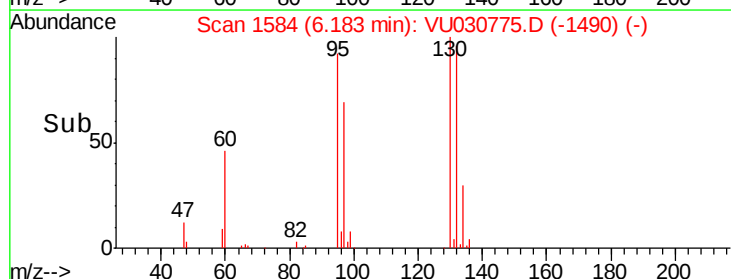


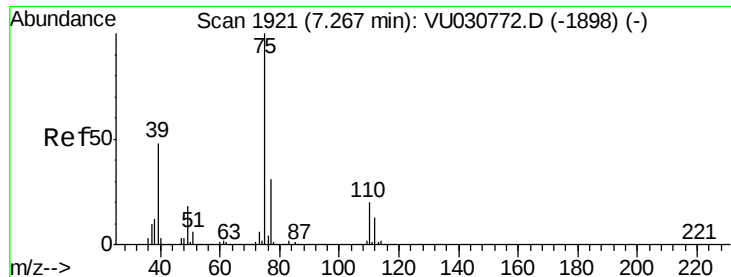
Abundance Ion 95.00 (94.70 to 95.70): VU030775.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU030775.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU030775.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU030775.D (-1490) (-)





#39

cis-1,3-Dichloropropene

Concen: 1.052 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.05 min

Lab File: VU030775.D

Acq: 06 Apr 2019 04:52

Instrument :

MSVOA_U

ClientSampleId :

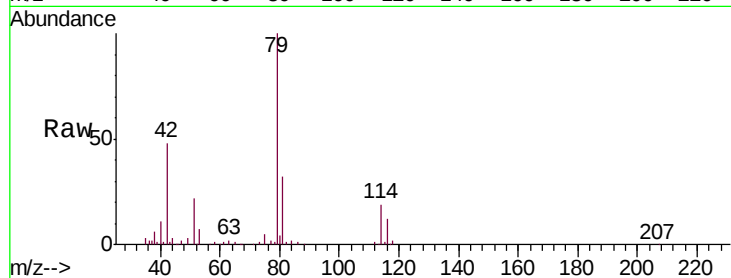
E3YE4DL

Tgt Ion: 75 Resp: 6318

Ion Ratio Lower Upper

75 100

77 40.7 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.22

4000

3000

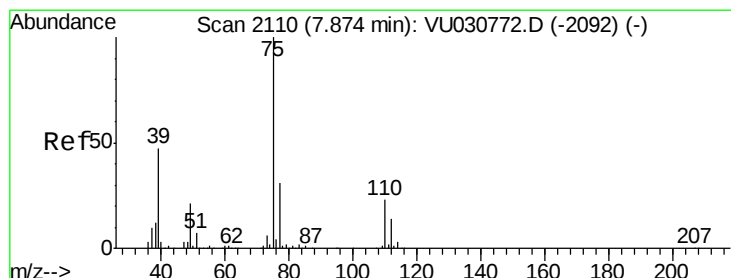
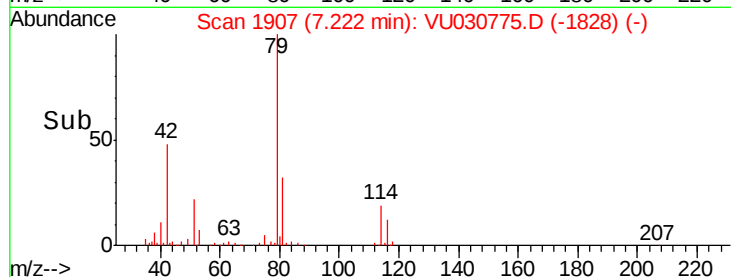
2000

1000

0

7.20 7.25 7.30

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030775.D

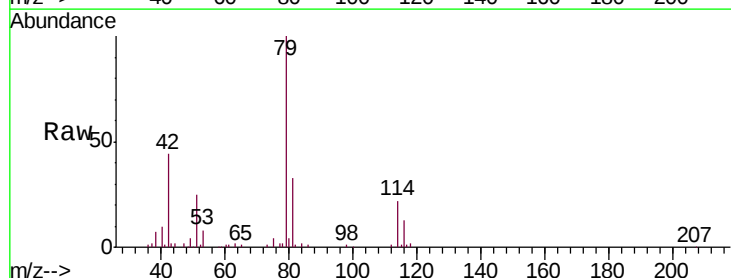
Acq: 06 Apr 2019 04:52

Tgt Ion: 75 Resp: 4057

Ion Ratio Lower Upper

75 100

77 48.2 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

2500

2000

1500

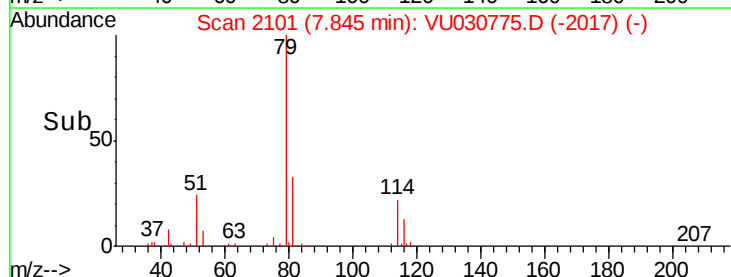
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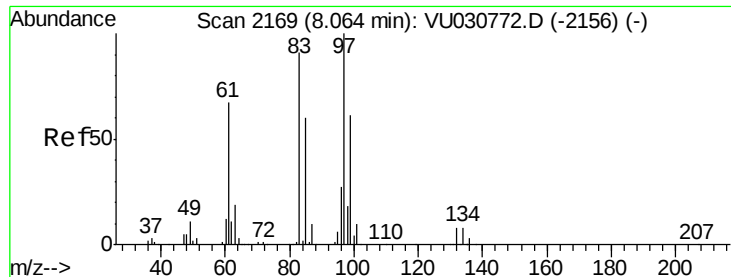
500

0

7.80 7.85 7.90

Time-->

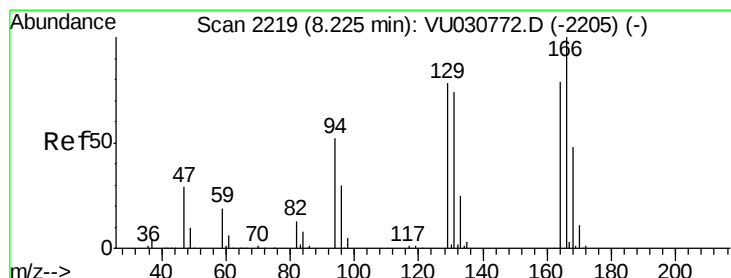
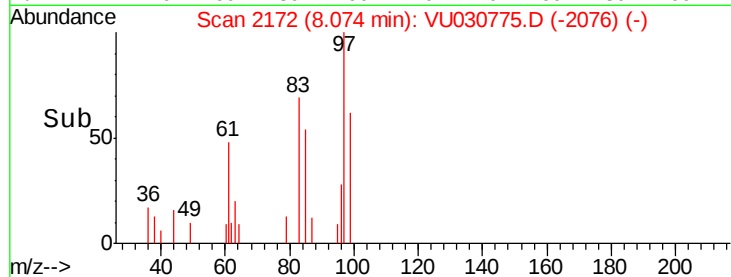
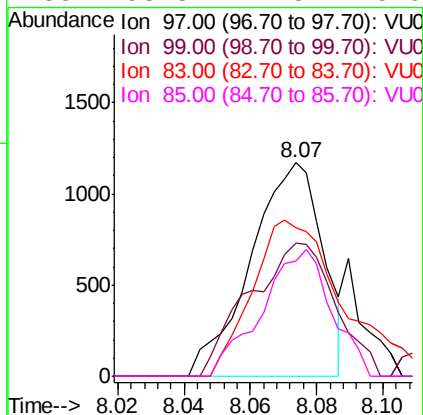
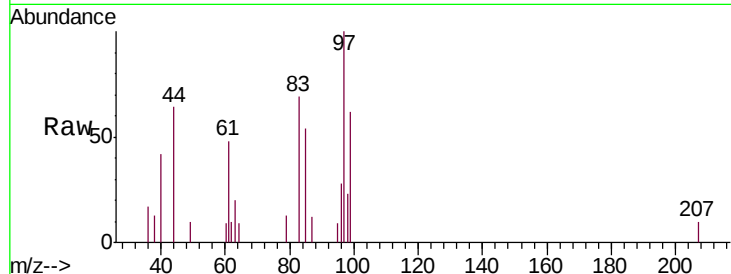




#45
 1,1,2-Trichloroethane
 Concen: 0.496 ug/L
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

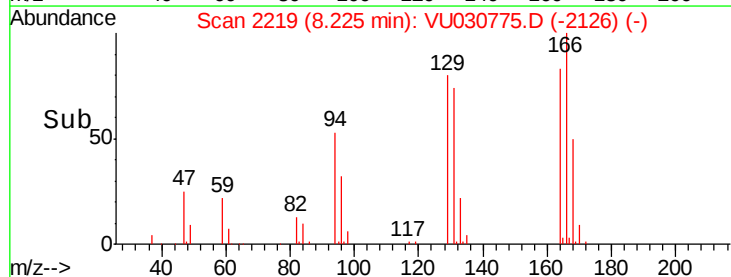
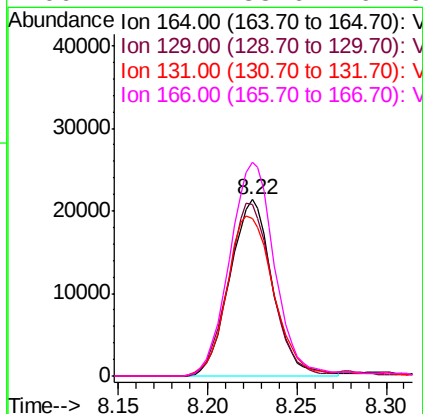
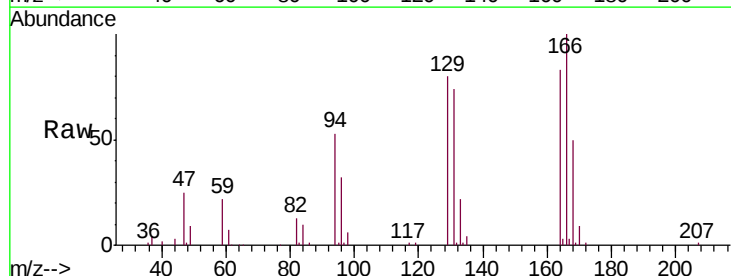
Instrument :
 MSVOA_U
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 E3YE4DL

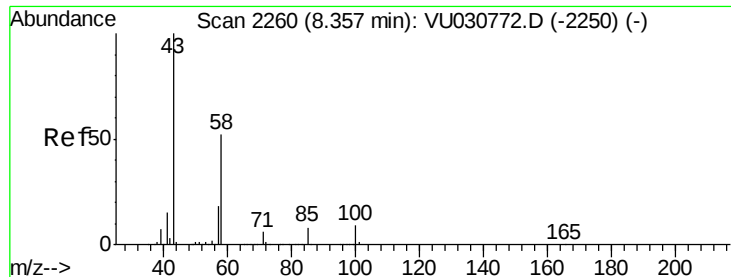
Tgt Ion:	97	Resp:	1774
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.0	81.8
83	69.4	65.3	121.3
85	53.8	42.5	78.9



#46
 Tetrachloroethene
 Concen: 13.456 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

Tgt Ion:	164	Resp:	35755
Ion	Ratio	Lower	Upper
164	100		
129	97.5	67.4	125.2
131	89.1	65.9	122.5
166	121.1	88.6	164.6

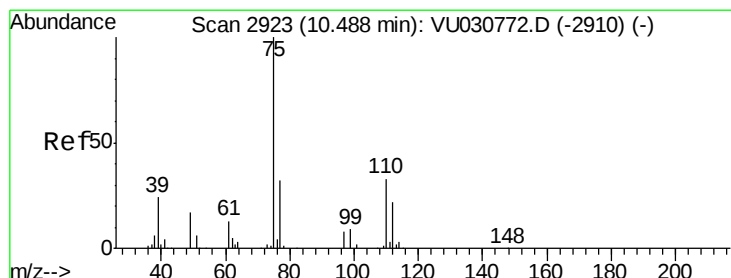
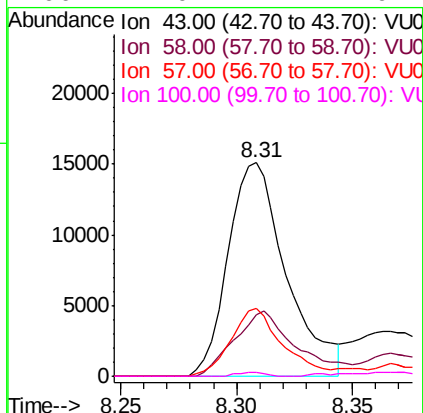
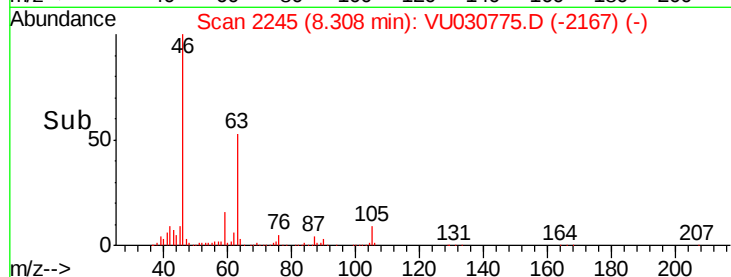
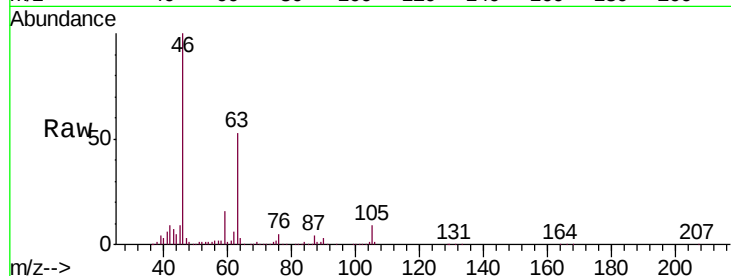




#48
 2-Hexanone
 Concen: 4.987 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE4DL

Tgt Ion: 43 Resp: 26403
 Ion Ratio Lower Upper
 43 100
 58 32.8 41.9 62.9#
 57 27.9 14.3 21.5#
 100 1.0 7.1 10.7#



#59
 1,2,3-Trichloropropane
 Concen: 4.808 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030775.D
 Acq: 06 Apr 2019 04:52

Tgt Ion: 75 Resp: 24298
 Ion Ratio Lower Upper
 75 100
 77 39.7 26.1 39.1#

