

Data File : VU033451.D
Acq On : 26 Jul 2019 14:24
Operator : JC/SP
Sample : K3976-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CA5

Quant Time: Jul 27 02:02:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	256141	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	267062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	113474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101941	52.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.14%
7) Chloroethane-d5	1.67	69	94071	56.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.58%
11) 1,1-Dichloroethene-d2	2.26	63	138722	39.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.88%
21) 2-Butanone-d5	4.15	46	143973	117.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.19%
24) Chloroform-d	4.62	84	169903	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
26) 1,2-Dichloroethane-d4	5.29	65	120281	57.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.42%
32) Benzene-d6	5.32	84	349746	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.76%
36) 1,2-Dichloropropane-d6	6.31	67	116416	55.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.94%
41) Toluene-d8	7.55	98	312283	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.83	79	53044	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.30	63	100272	105.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176380	55.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	120333	59.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.92%

Target Compounds

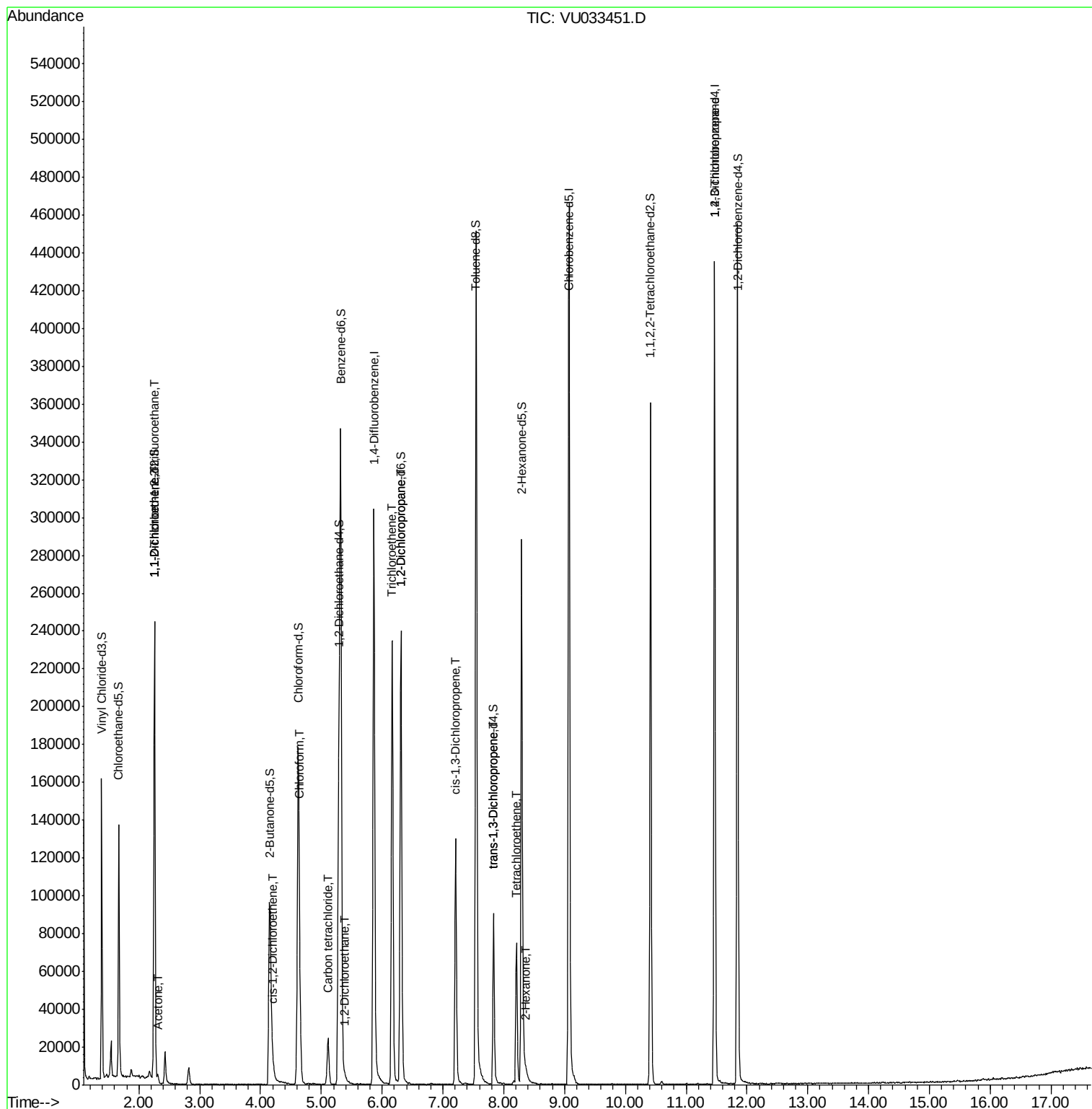
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1228	0.703	ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1395	0.816	ug/L #	1
13) Acetone	2.31	43	3086	2.010	ug/L	95
20) cis-1,2-Dichloroethene	4.21	96	2348	1.178	ug/L	86
25) Chloroform	4.65	83	25437	7.042	ug/L	98
27) 1,2-Dichloroethane	5.39	62	2115	0.756	ug/L #	76
31) Carbon tetrachloride	5.11	117	17523	6.427	ug/L	99
34) Trichloroethene	6.16	95	82429	40.469	ug/L	99
37) 1,2-Dichloropropane	6.31	63	12550	5.942	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3398	1.049	ug/L #	62
44) trans-1,3-Dichloropropene	7.83	75	2294	0.785	ug/L #	80
46) Tetrachloroethene	8.21	164	16743	10.618	ug/L	98
48) 2-Hexanone	8.37	43	3583	1.552	ug/L #	39
59) 1,2,3-Trichloropropane	11.47	75	13950	5.073	ug/L	95

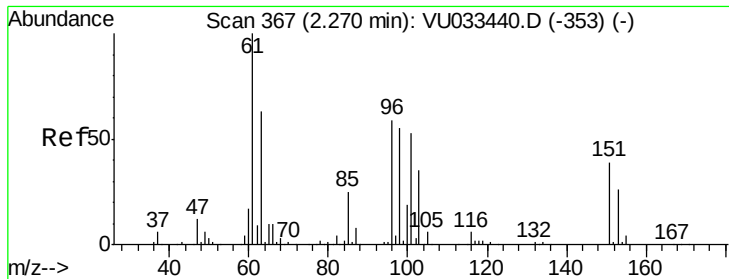
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.703 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033451.D

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Instrument :

MSVOA_U

ClientSampleId :

C0CA5

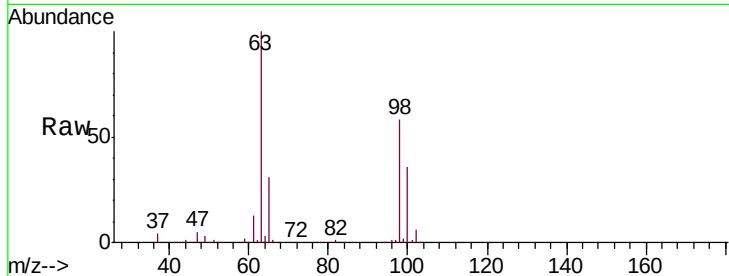
Tgt Ion: 101 Resp: 1228

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

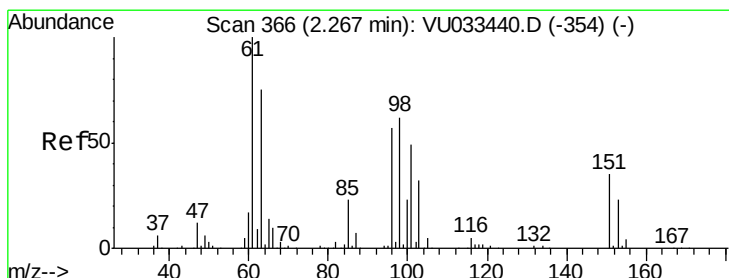
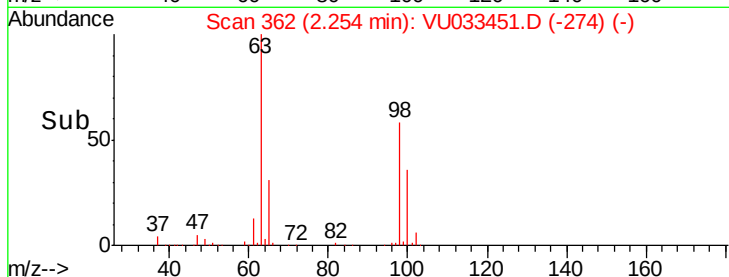
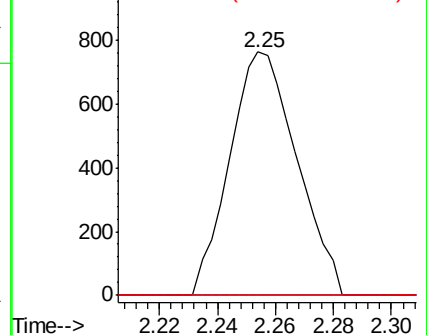
151 0.0 56.7 85.1#



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: 0.816 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

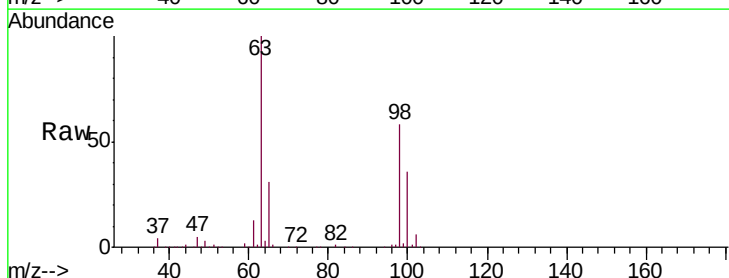
Tgt Ion: 96 Resp: 1395

Ion Ratio Lower Upper

96 100

61 1383.8 126.1 234.1#

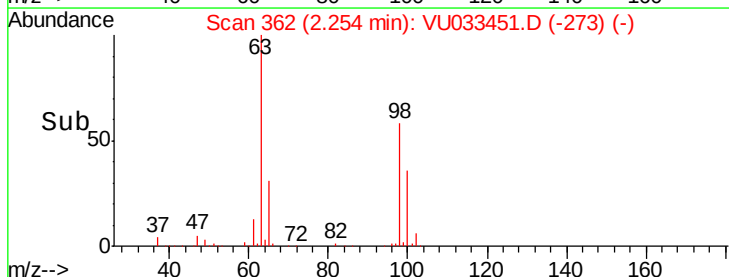
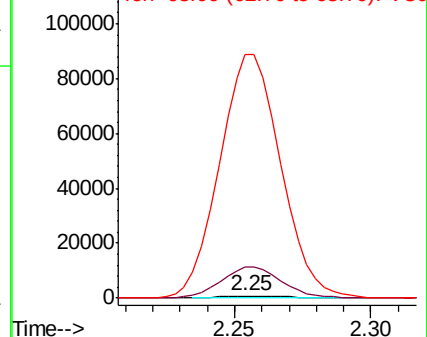
63 10795.6 96.8 179.8#

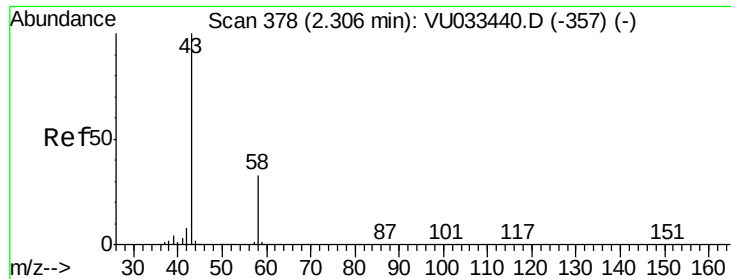


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.010 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

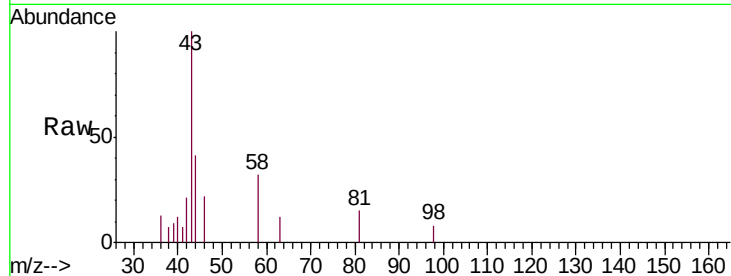
C0CA5

Tgt Ion: 43 Resp: 3086

Ion Ratio Lower Upper

43 100

58 29.9 0.0 65.4



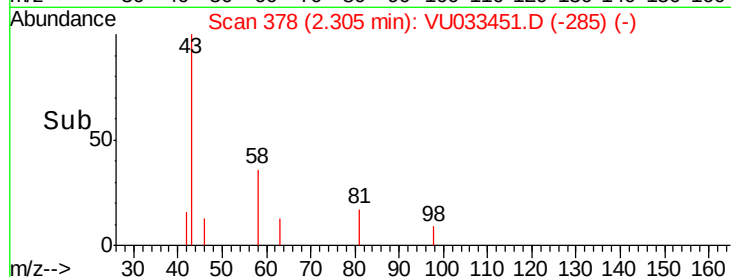
Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033440.D (-357) (-)

2.31

2.30

2.35



Abundance

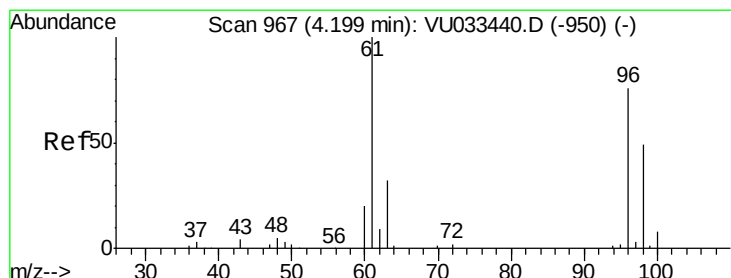
Ion 43.00 (42.70 to 43.70): VU033451.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU033451.D (-285) (-)

2.31

2.30

2.35



#20

cis-1,2-Dichloroethene

Concen: 1.178 ug/L

RT: 4.21 min Scan# 970

Delta R.T. 0.01 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

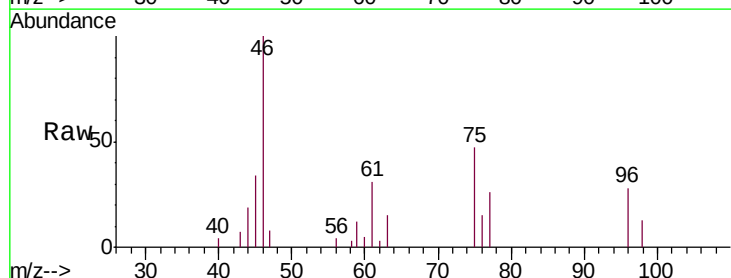
Tgt Ion: 96 Resp: 2348

Ion Ratio Lower Upper

96 100

61 113.3 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)

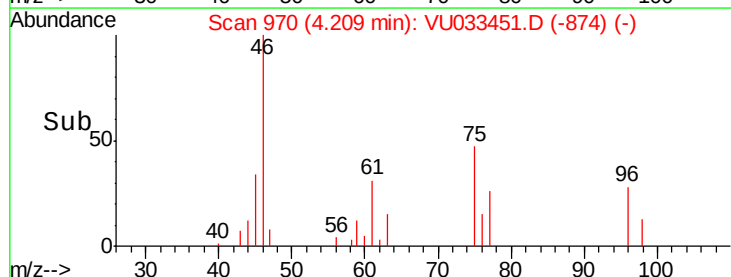
Ion 61.00 (60.70 to 61.70): VU033440.D (-950) (-)

Ion 68.00 (67.70 to 68.70): VU033440.D (-950) (-)

4.21

4.15

4.25



Abundance

Ion 96.00 (95.70 to 96.70): VU033451.D (-874) (-)

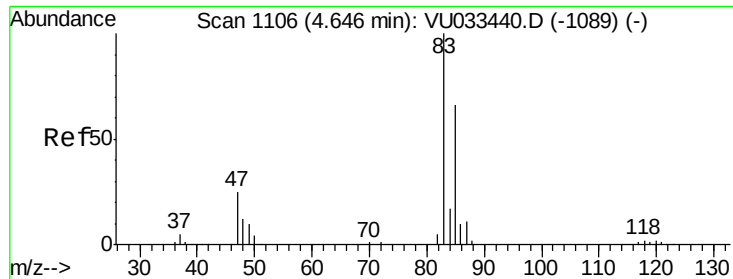
Ion 61.00 (60.70 to 61.70): VU033451.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033451.D (-874) (-)

4.21

4.15

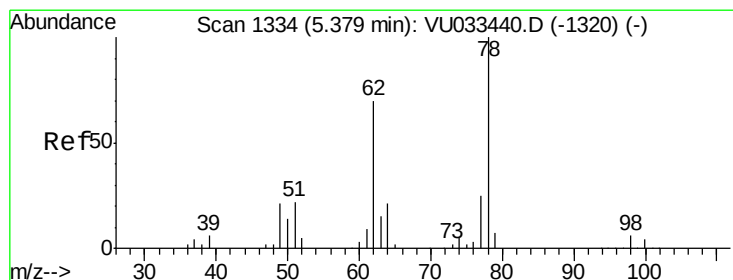
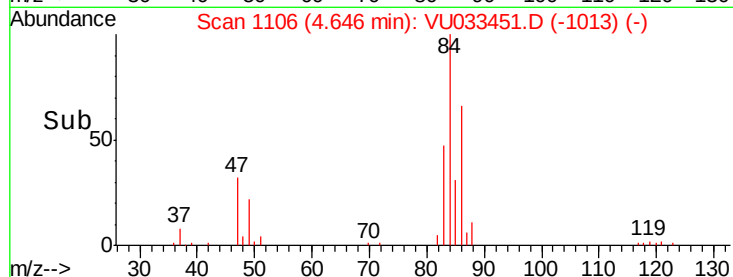
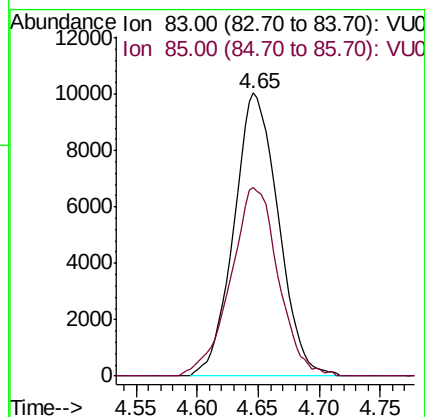
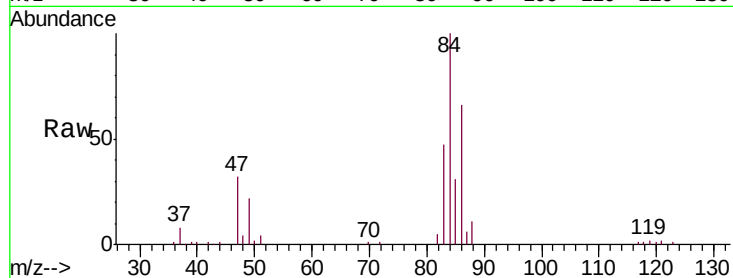
4.25



#25
Chloroform
Concen: 7.042 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033451.D
Acq: 26 Jul 2019 14:24

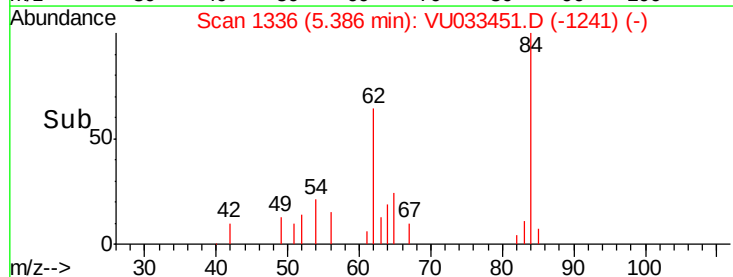
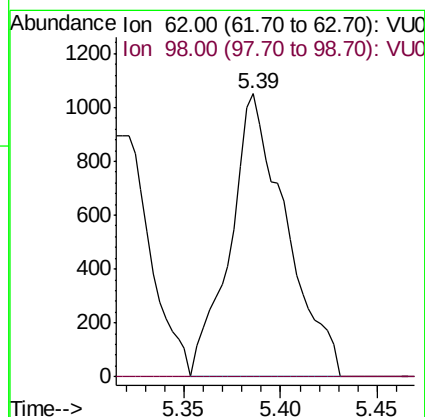
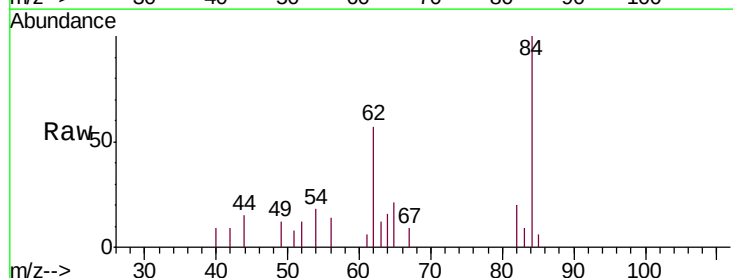
Instrument :
MSVOA_U
ClientSampleId :
C0CA5

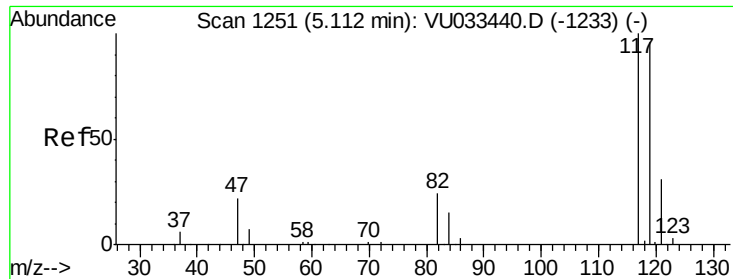
Tgt Ion: 83 Resp: 25437
Ion Ratio Lower Upper
83 100
85 66.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.756 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033451.D
Acq: 26 Jul 2019 14:24

Tgt Ion: 62 Resp: 2115
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#31

Carbon tetrachloride

Concen: 6.427 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

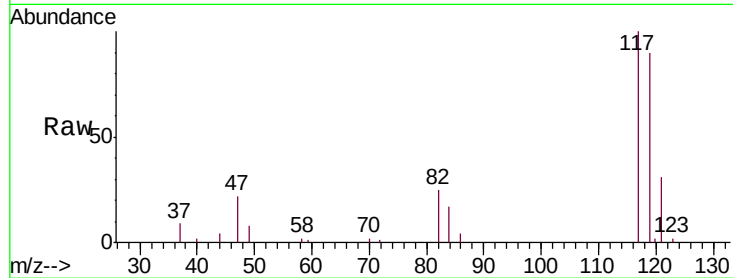
C0CA5

Tgt Ion: 117 Resp: 17523

Ion Ratio Lower Upper

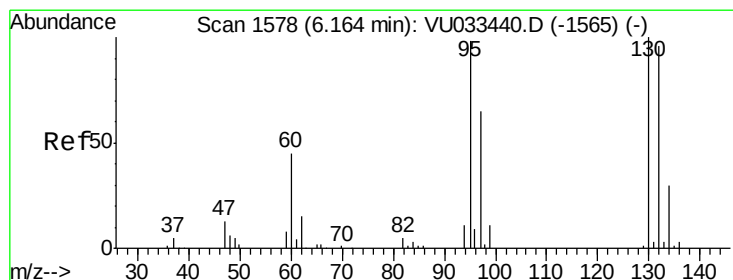
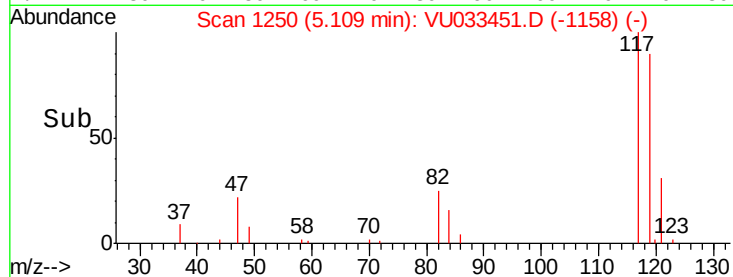
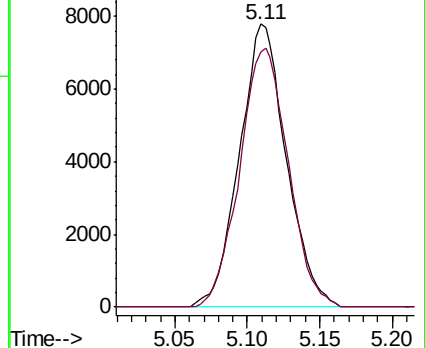
117 100

119 94.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 40.469 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Tgt Ion: 95 Resp: 82429

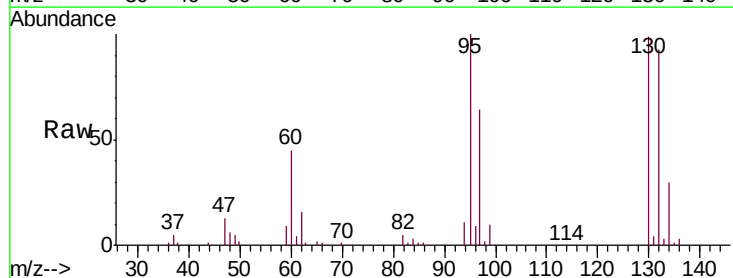
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 93.3 65.5 121.6

130 99.0 69.7 129.5

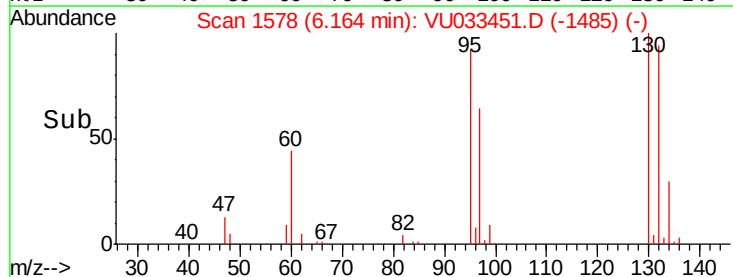
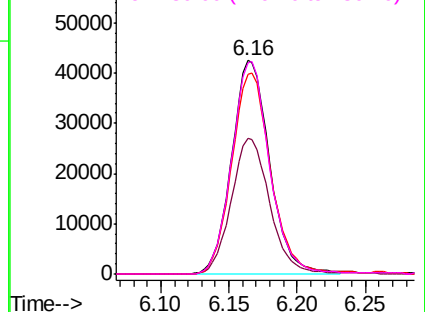


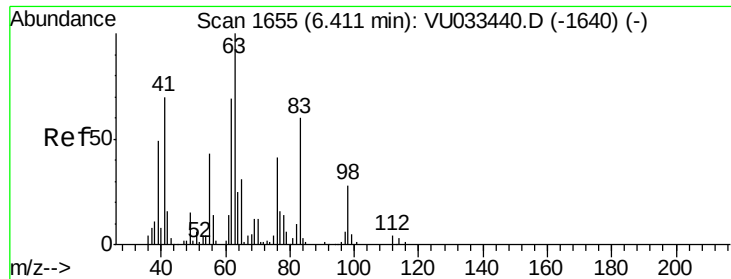
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

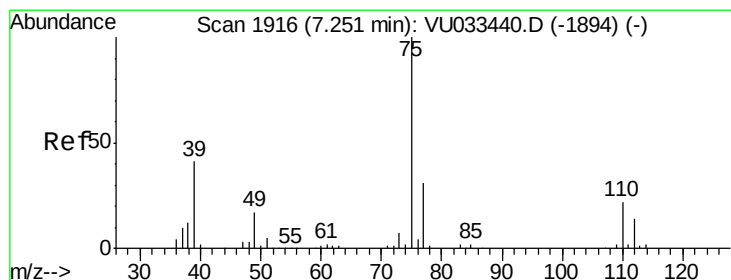
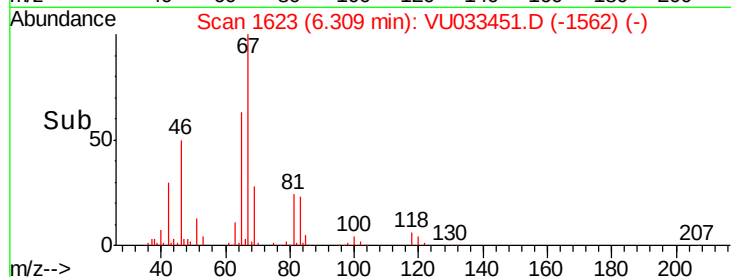
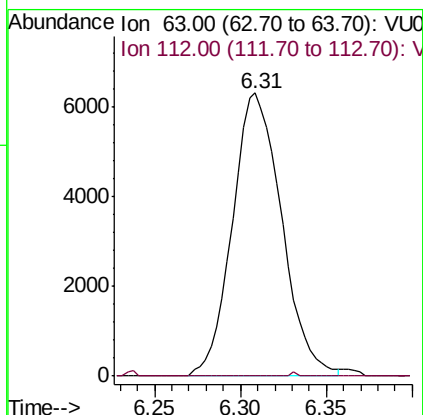
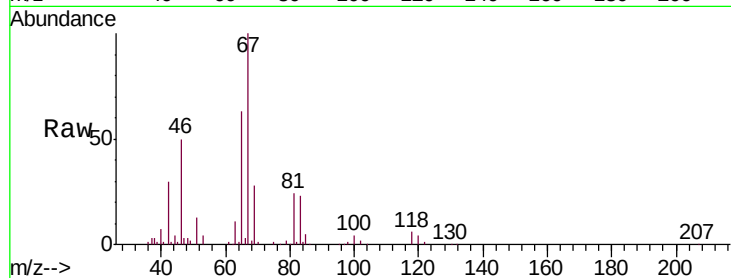




#37
 1,2-Dichloropropane
 Concen: 5.942 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033451.D
 Acq: 26 Jul 2019 14:24

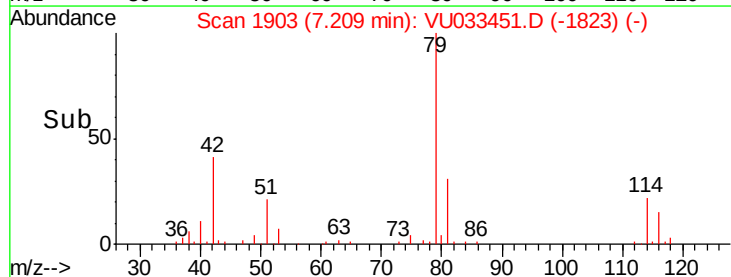
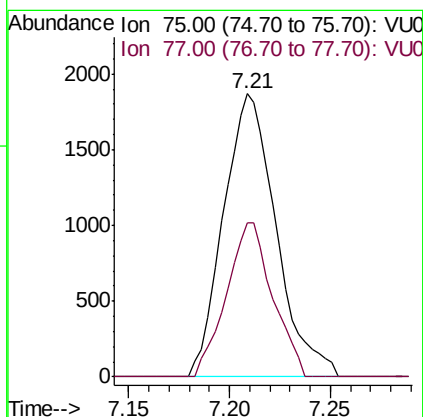
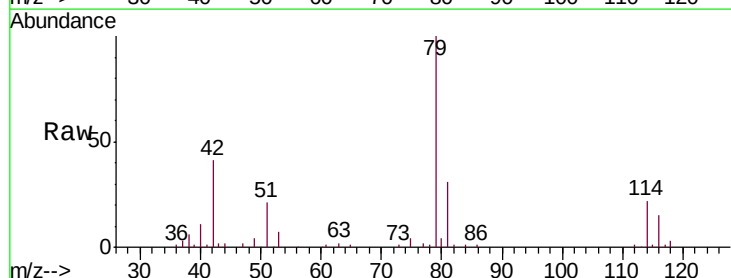
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CA5

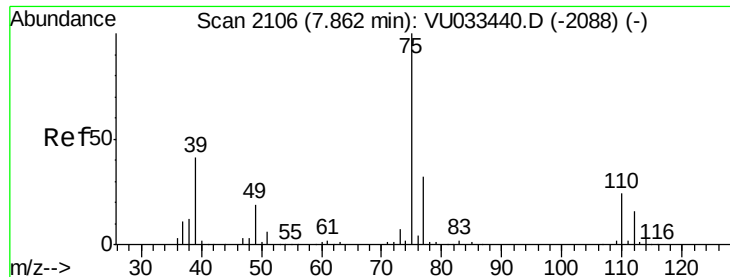
Tgt Ion: 63 Resp: 12550
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.049 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033451.D
 Acq: 26 Jul 2019 14:24

Tgt Ion: 75 Resp: 3398
 Ion Ratio Lower Upper
 75 100
 77 54.4 23.1 42.9#





#44

trans-1,3-Dichloropropene

Concen: 0.785 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

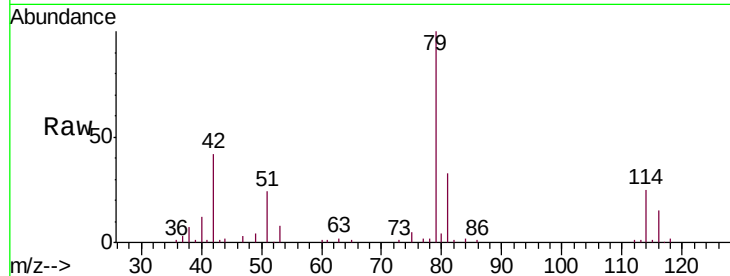
C0CA5

Tgt Ion: 75 Resp: 2294

Ion Ratio Lower Upper

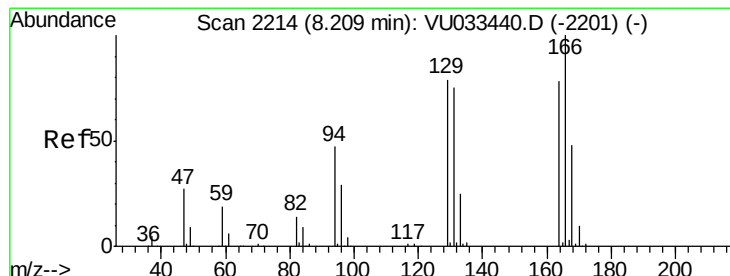
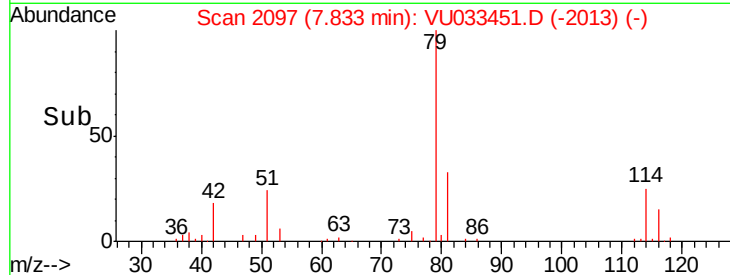
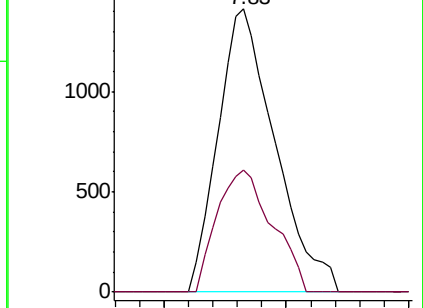
75 100

77 43.3 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033440.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033440.D (-2088) (-)



#46

Tetrachloroethene

Concen: 10.618 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Tgt Ion: 164 Resp: 16743

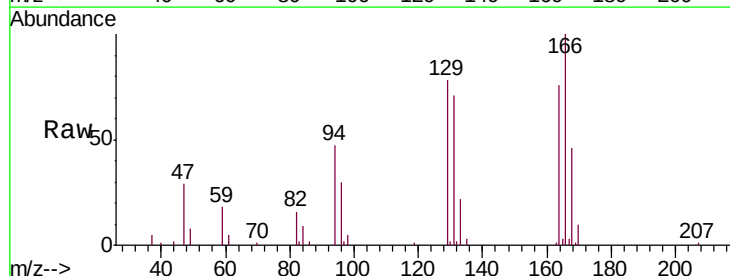
Ion Ratio Lower Upper

164 100

129 101.4 69.6 129.2

131 93.2 65.7 122.1

166 130.8 88.5 164.4

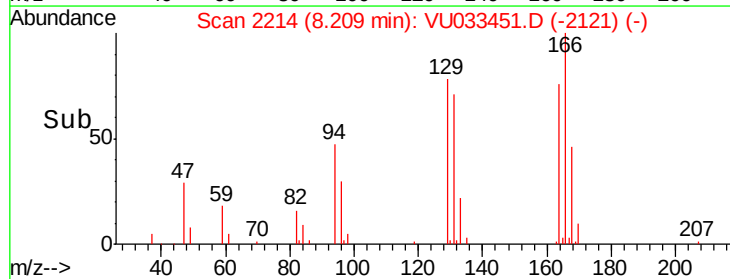
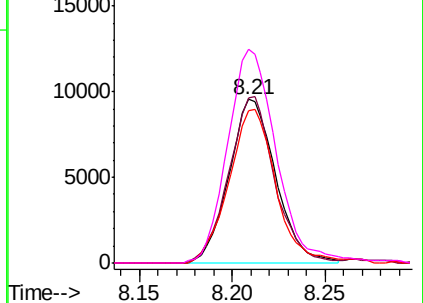


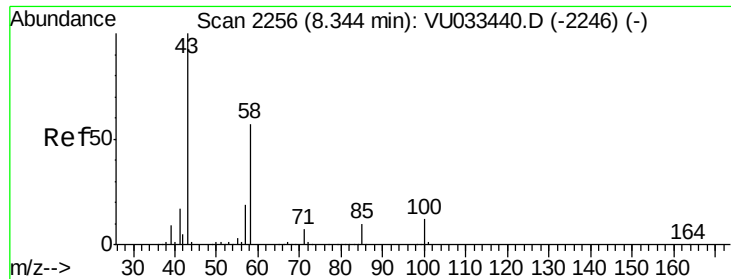
Abundance Ion 164.00 (163.70 to 164.70): VU033440.D (-2201) (-)

Ion 129.00 (128.70 to 129.70): VU033440.D (-2201) (-)

Ion 131.00 (130.70 to 131.70): VU033440.D (-2201) (-)

Ion 166.00 (165.70 to 166.70): VU033440.D (-2201) (-)

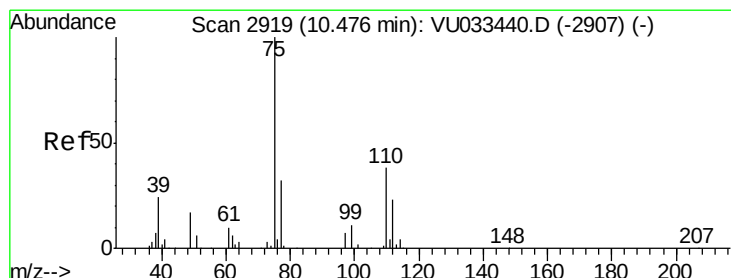
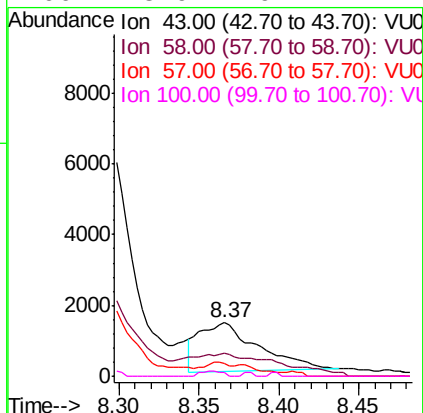
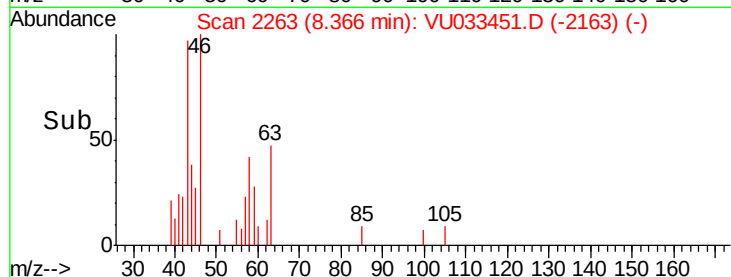
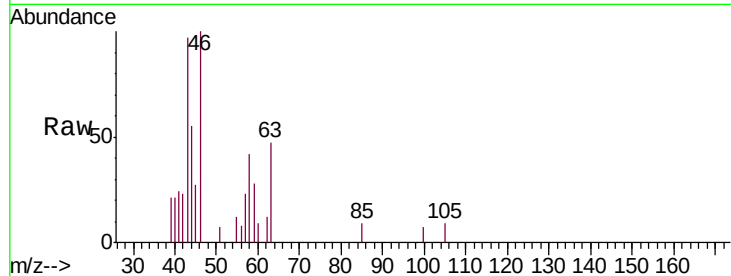




#48
 2-Hexanone
 Concen: 1.552 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.02 min
 Lab File: VU033451.D
 Acq: 26 Jul 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CA5

Tgt Ion: 43 Resp: 3583
 Ion Ratio Lower Upper
 43 100
 58 0.0 46.1 69.1#
 57 3.8 15.8 23.8#
 100 3.9 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 5.073 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033451.D
 Acq: 26 Jul 2019 14:24

Tgt Ion: 75 Resp: 13950
 Ion Ratio Lower Upper
 75 100
 77 35.4 26.0 39.0

