

Data File : VU033025.D
Acq On : 24 Jun 2019 22:55
Operator : JC/SP
Sample : K3463-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF08

Quant Time: Jun 25 07:00:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190020	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186877	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88413	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61573	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.82%
7) Chloroethane-d5	1.68	69	52746	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.86%
11) 1,1-Dichloroethene-d2	2.26	63	97514	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.54%
21) 2-Butanone-d5	4.17	46	124713	115.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.38%
24) Chloroform-d	4.64	84	129680	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
26) 1,2-Dichloroethane-d4	5.30	65	91476	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.80%
32) Benzene-d6	5.33	84	251870	51.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.32	67	81554	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.10%
41) Toluene-d8	7.56	98	228418	50.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.14%
43) trans-1,3-Dichloropropene-	7.85	79	38368	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.06%
47) 2-Hexanone-d5	8.31	63	72816	100.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.49%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	117118	48.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	90018	52.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.22%

Target Compounds

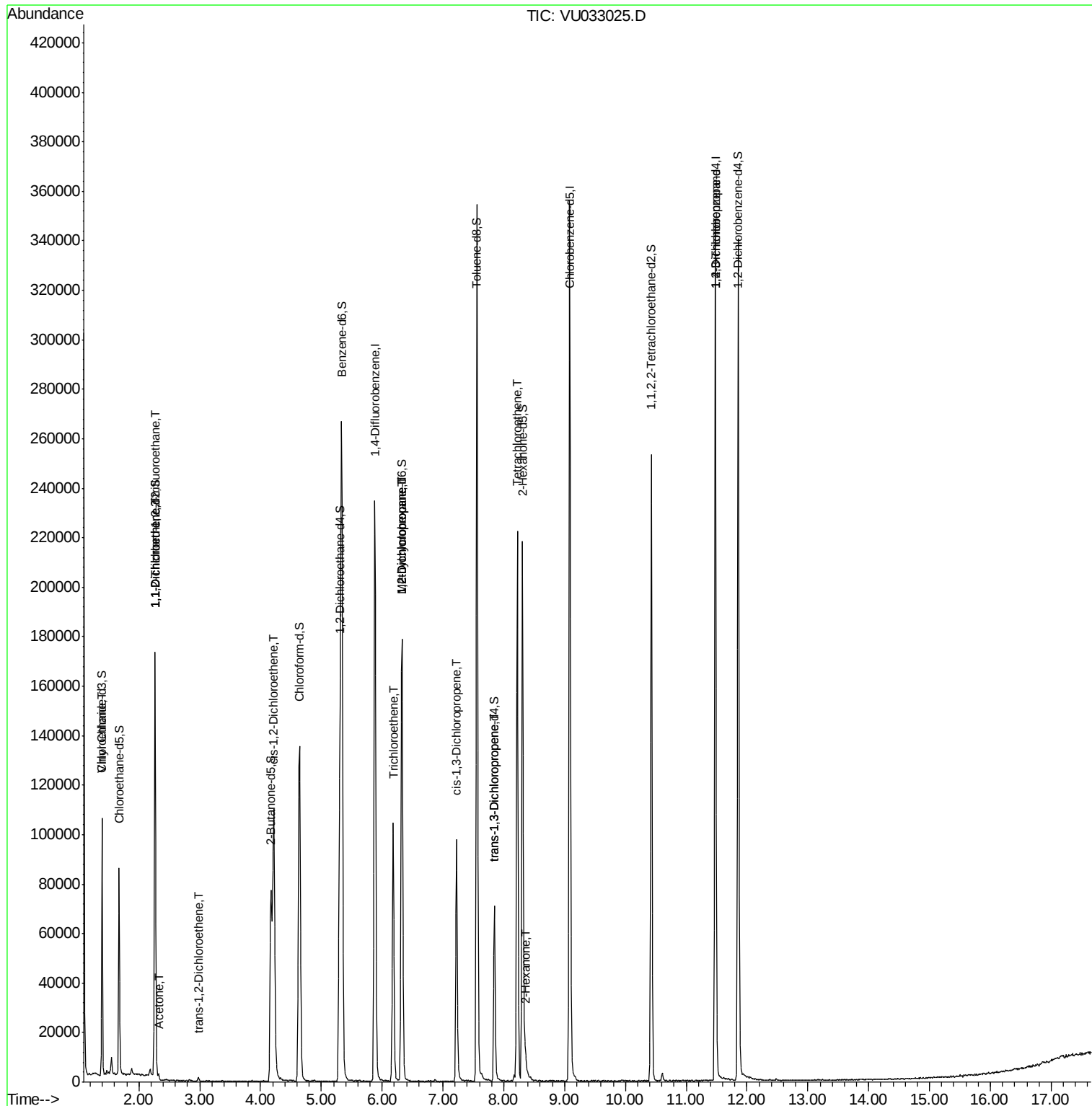
						Qvalue
8) Chloroethane	1.40	64	1093	1.100	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	753	0.593	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1067	0.892	ug/L #	1
13) Acetone	2.32	43	1092	0.731	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	592	0.456	ug/L	84
20) cis-1,2-Dichloroethene	4.22	96	54894	38.832	ug/L	94
34) Trichloroethene	6.18	95	34426	23.934	ug/L	98
35) Methylcyclohexane	6.32	83	18335	8.247	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9945	6.735	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2675	1.163	ug/L #	65
44) trans-1,3-Dichloropropene	7.84	75	1887	0.873	ug/L #	76
46) Tetrachloroethene	8.22	164	47473	40.278	ug/L	97
48) 2-Hexanone	8.36	43	4269	2.052	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	11508	5.839	ug/L #	87

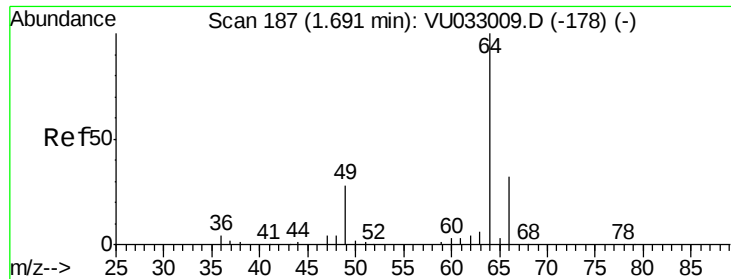
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.100 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

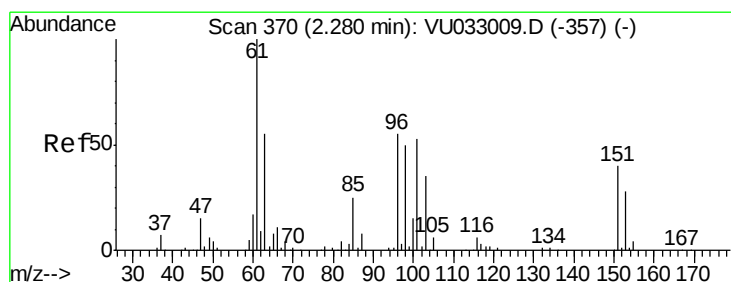
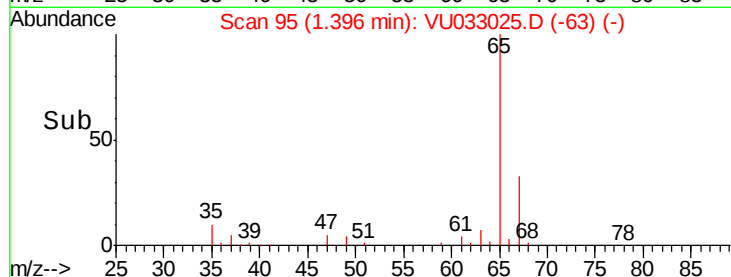
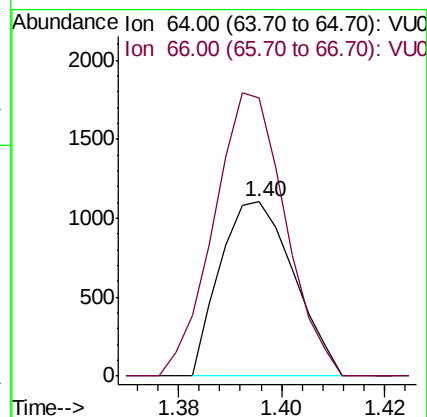
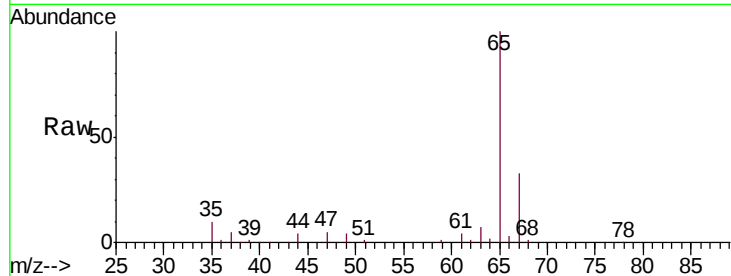
ETF08

Tgt Ion: 64 Resp: 1093

Ion Ratio Lower Upper

64 100

66 160.0 22.5 41.7#



#10

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

Concen: 0.593 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

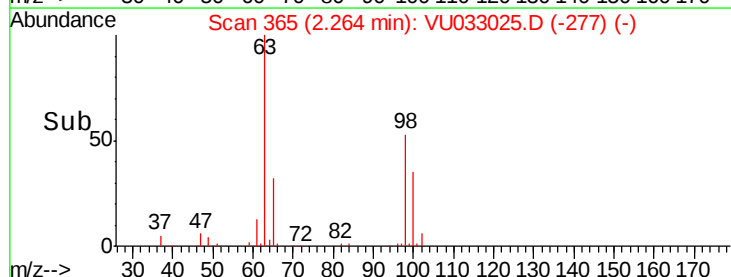
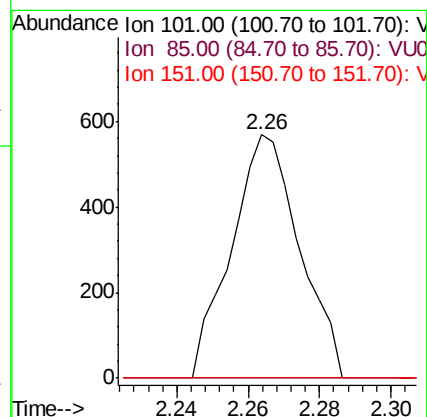
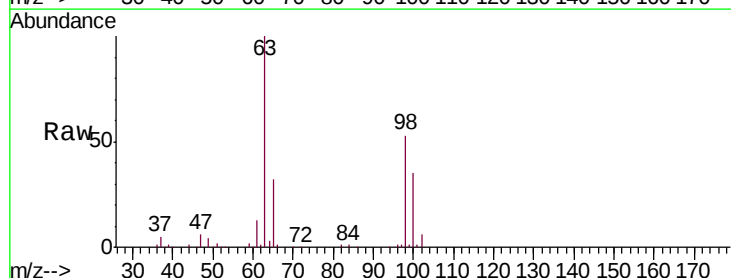
Tgt Ion: 101 Resp: 753

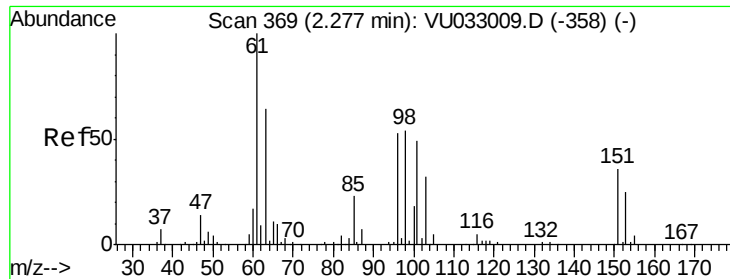
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#12

1,1-Dichloroethene

Concen: 0.892 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

ETF08

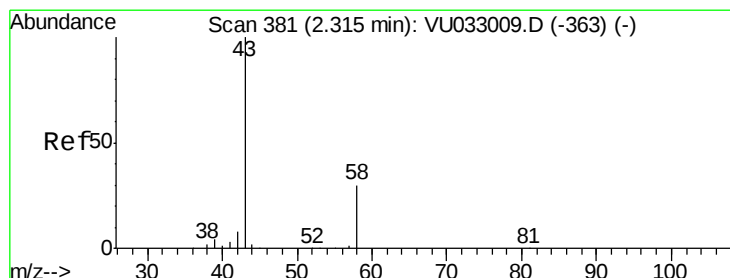
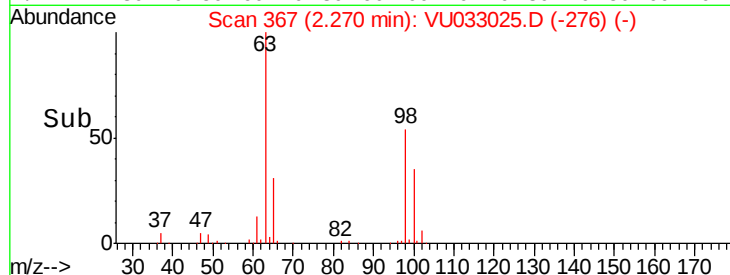
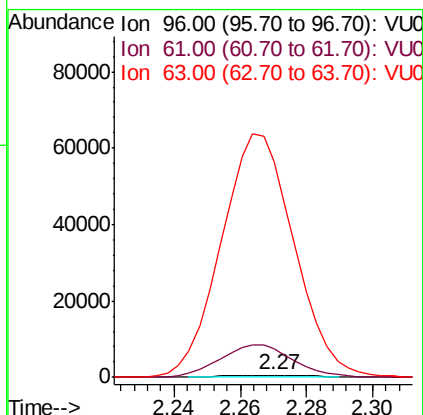
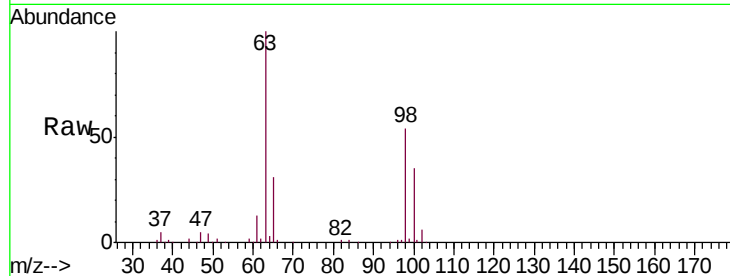
Tgt Ion: 96 Resp: 1067

Ion Ratio Lower Upper

96 100

61 1266.4 131.0 243.4#

63 9601.4 101.0 187.6#



#13

Acetone

Concen: 0.731 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033025.D

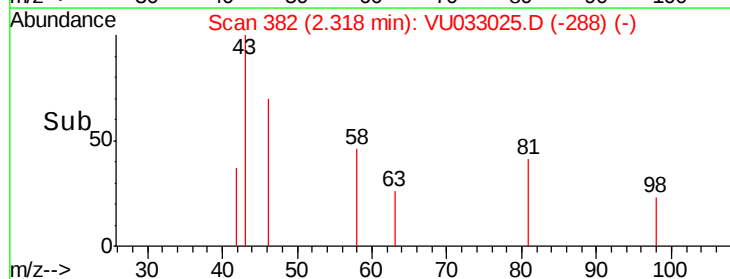
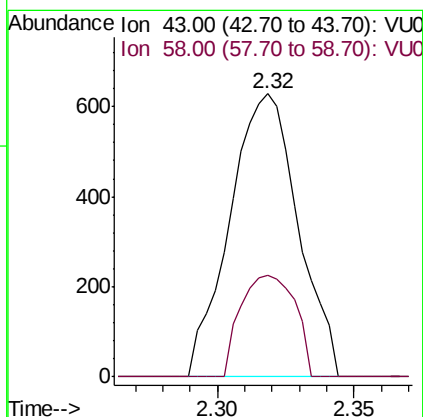
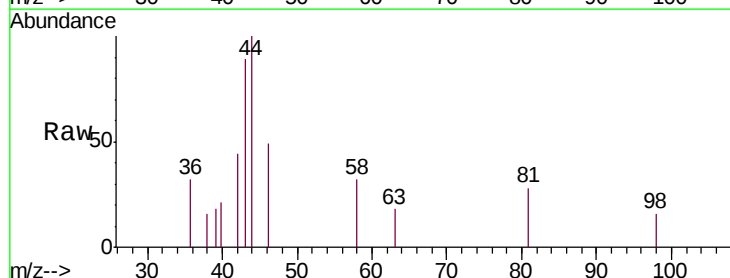
Acq: 24 Jun 2019 22:55

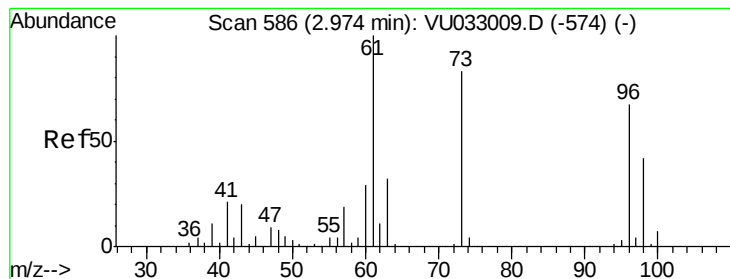
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 28.8 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 0.456 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

ETF08

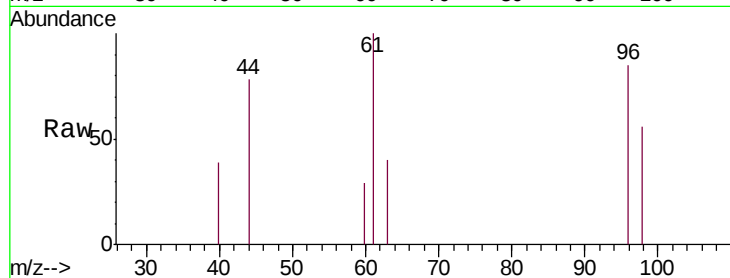
Tgt Ion: 96 Resp: 592

Ion Ratio Lower Upper

96 100

61 117.4 100.9 187.5

98 65.5 44.0 81.8

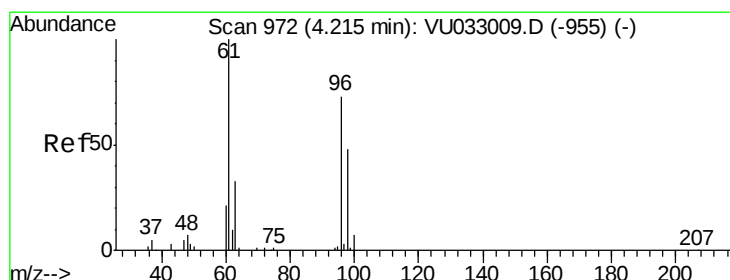
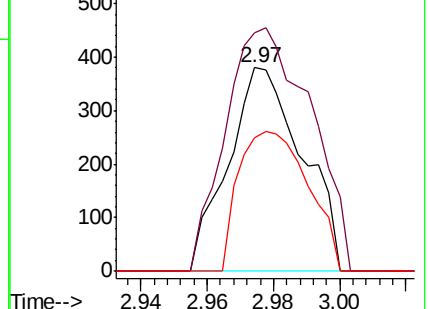
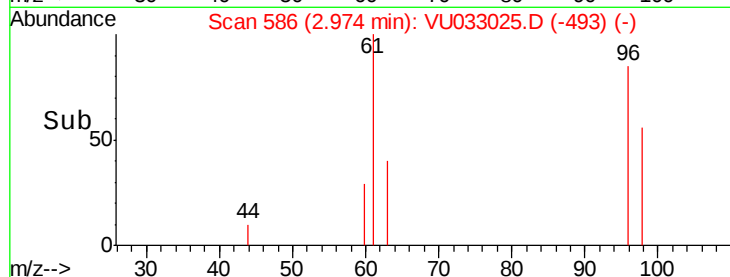


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU033009.D (-574) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 38.832 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

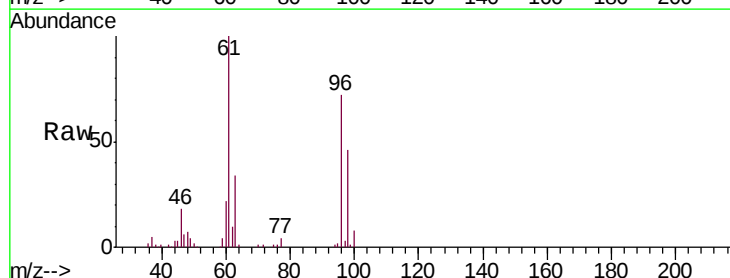
Tgt Ion: 96 Resp: 54894

Ion Ratio Lower Upper

96 100

61 138.7 92.4 171.6

68 0.0 0.0 0.0

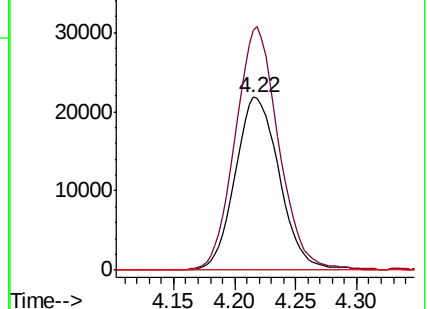
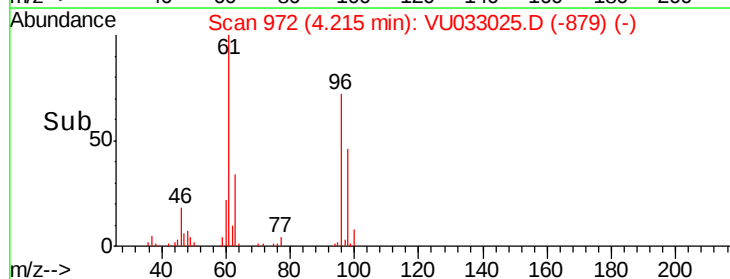


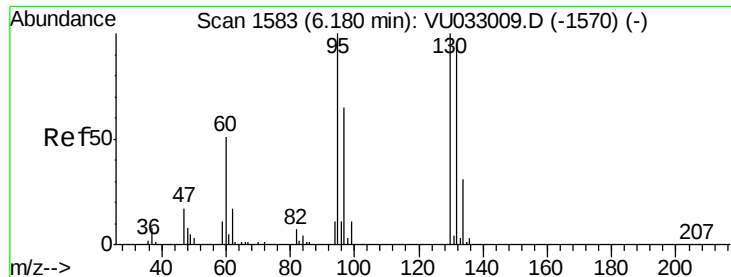
Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU033009.D (-955) (-)

Time-->





#34

Trichloroethene

Concen: 23.934 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

ETF08

Tgt Ion: 95 Resp: 34426

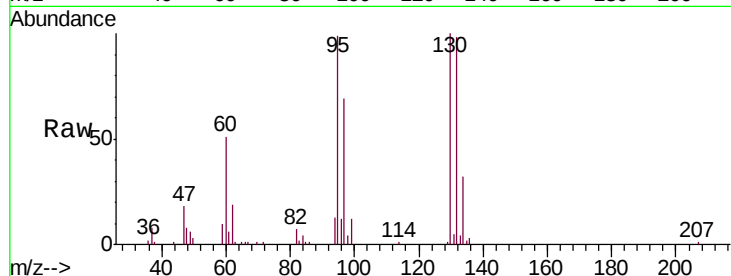
Ion Ratio Lower Upper

95 100

97 69.6 45.9 85.3

132 99.2 68.5 127.3

130 101.0 70.8 131.4

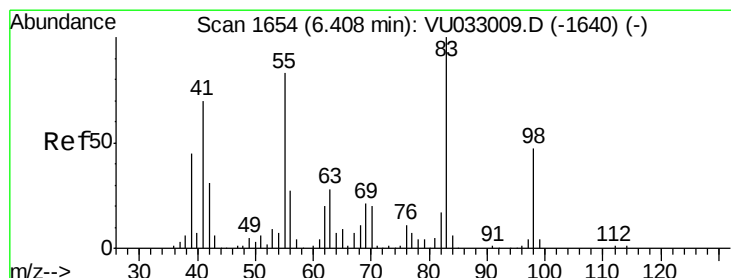
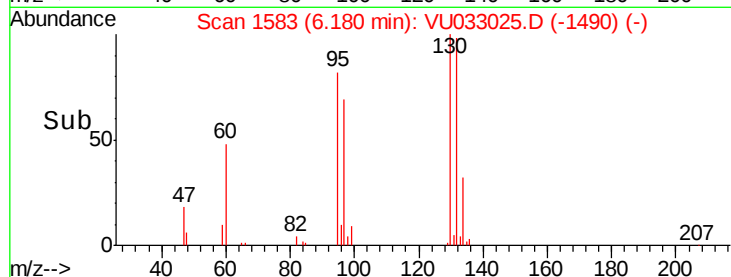
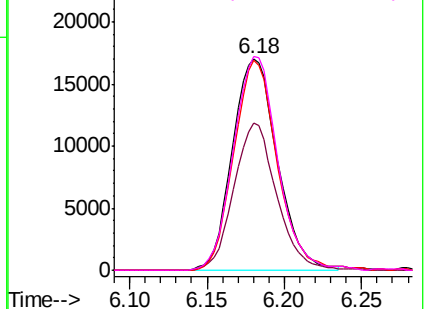


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 8.247 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

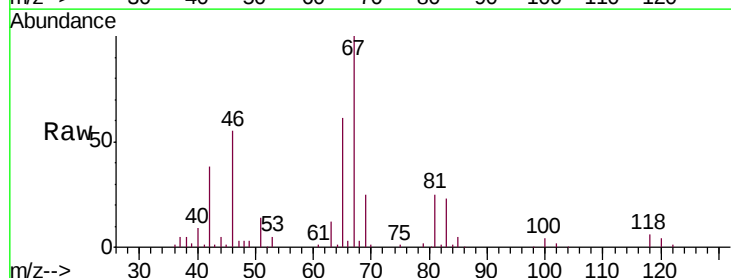
Tgt Ion: 83 Resp: 18335

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

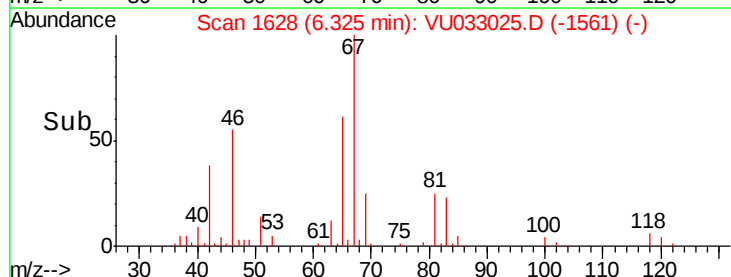
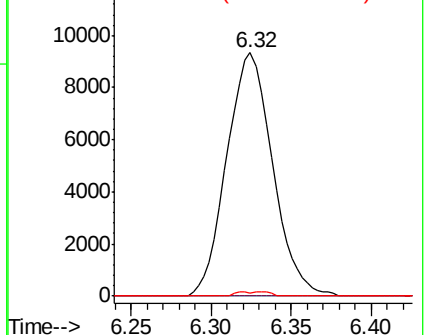
98 0.7 37.4 56.0#

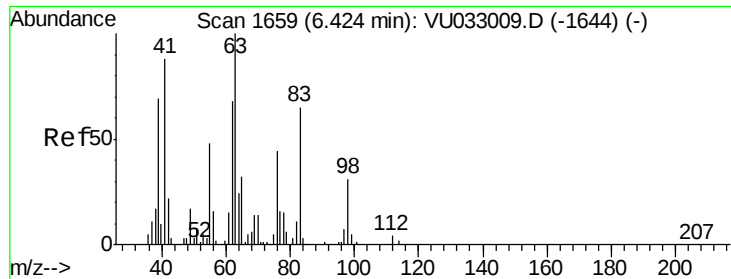


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.735 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampled :

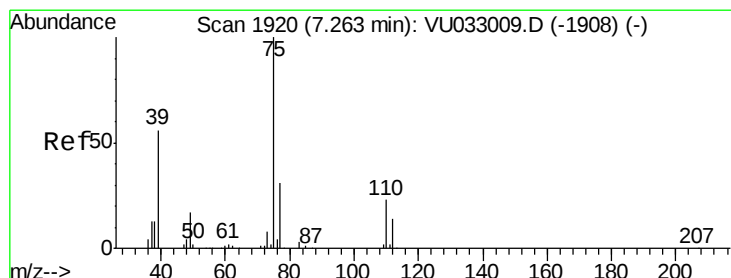
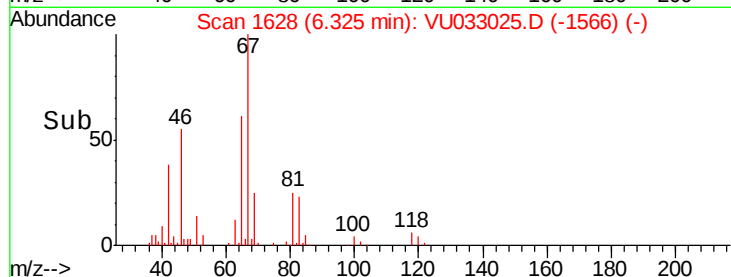
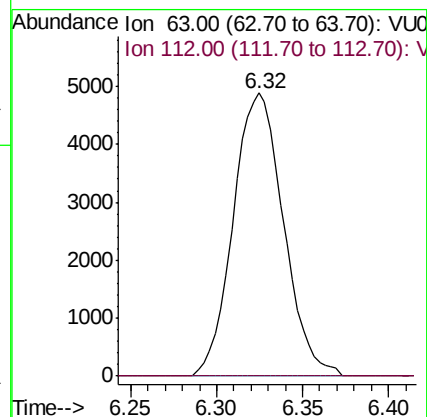
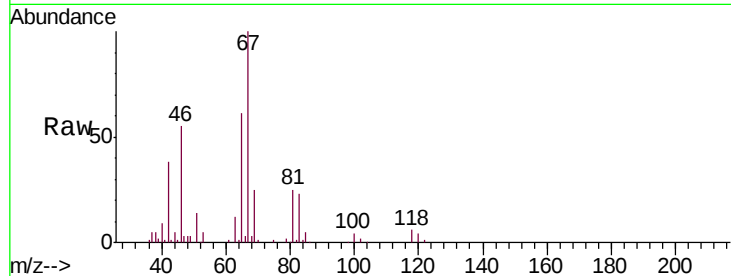
ETF08

Tgt Ion: 63 Resp: 9945

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 1.163 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033025.D

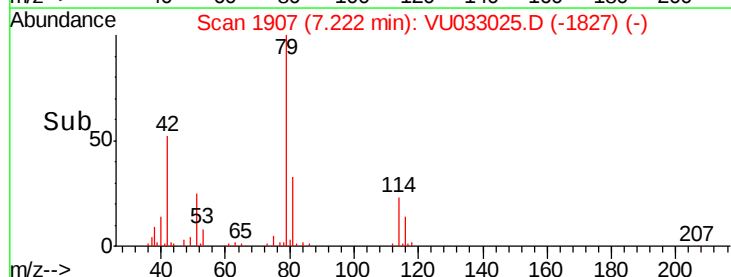
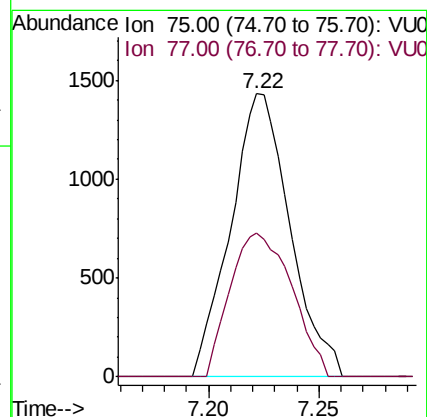
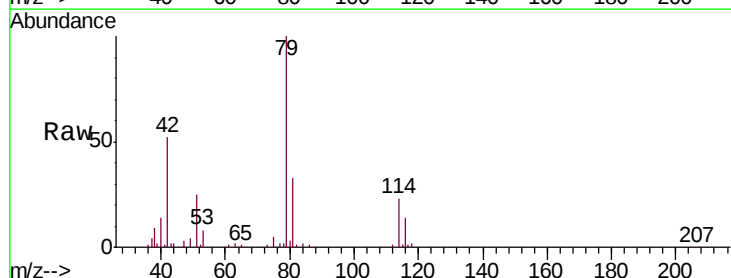
Acq: 24 Jun 2019 22:55

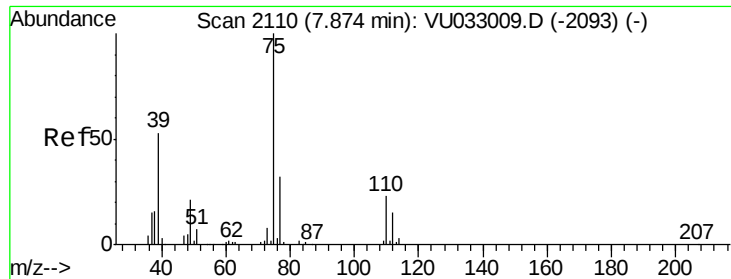
Tgt Ion: 75 Resp: 2675

Ion Ratio Lower Upper

75 100

77 50.7 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.873 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

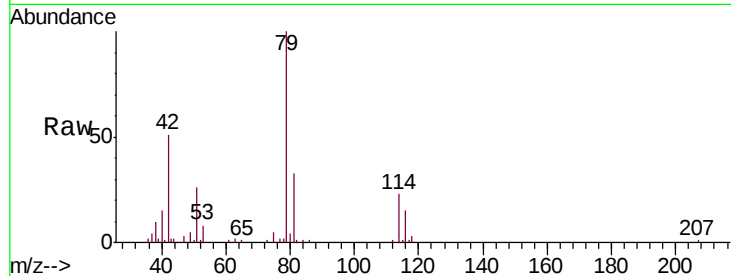
ETF08

Tgt Ion: 75 Resp: 1887

Ion Ratio Lower Upper

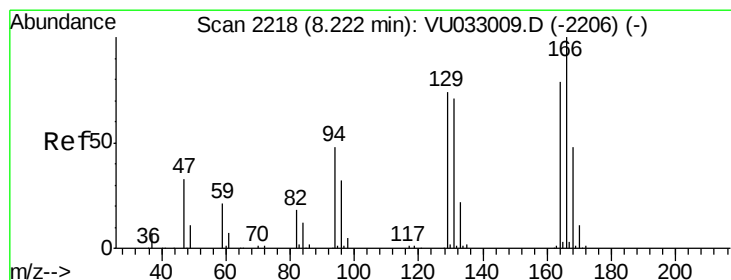
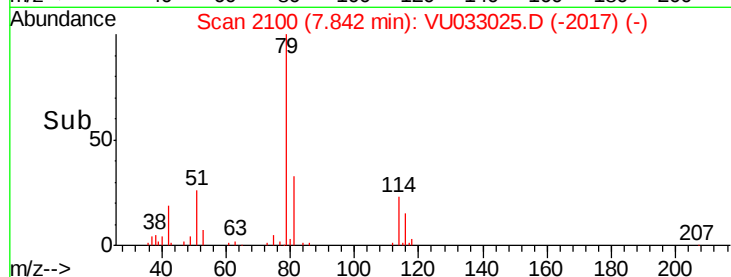
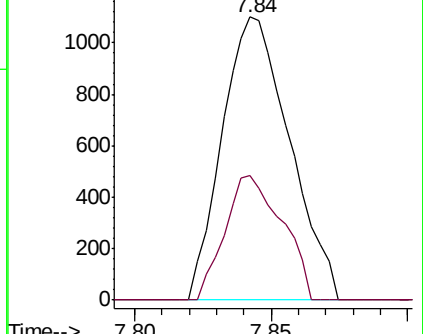
75 100

77 44.1 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU033009.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU033009.D (-2093) (-)



#46

Tetrachloroethene

Concen: 40.278 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033025.D

Acq: 24 Jun 2019 22:55

Tgt Ion: 164 Resp: 47473

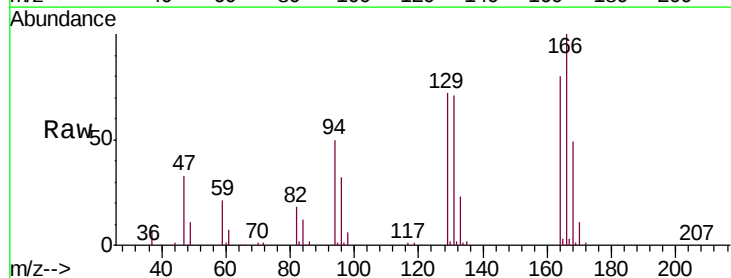
Ion Ratio Lower Upper

164 100

129 90.9 64.8 120.3

131 89.7 64.5 119.7

166 125.8 91.3 169.6

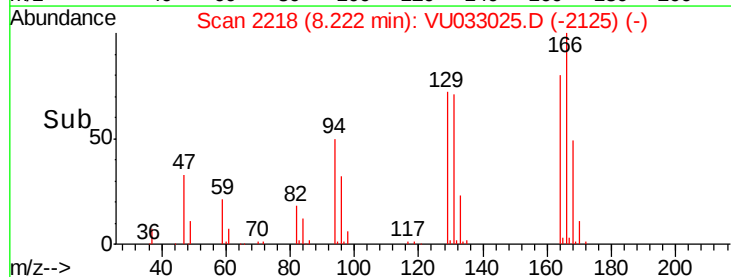
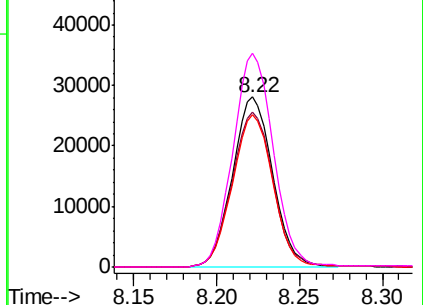


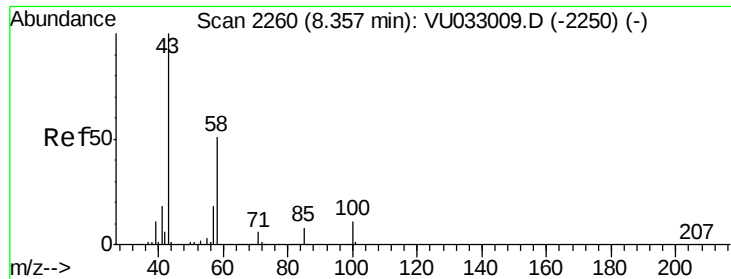
Abundance Ion 164.00 (163.70 to 164.70): VU033009.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU033009.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU033009.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU033009.D (-2206) (-)

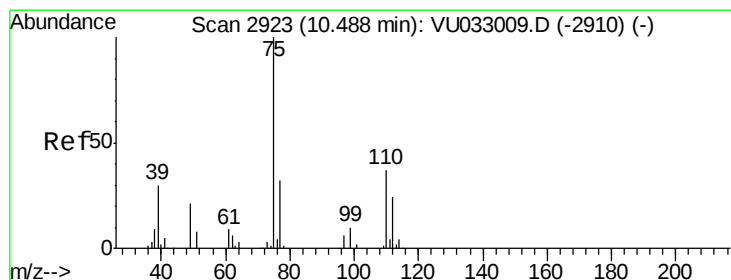
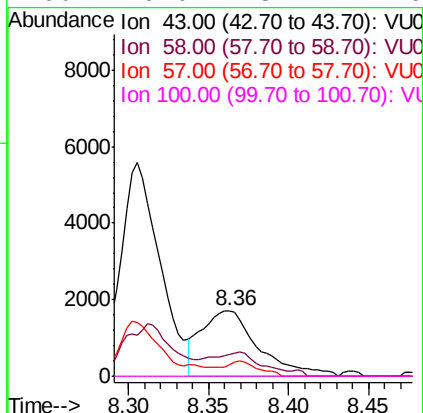
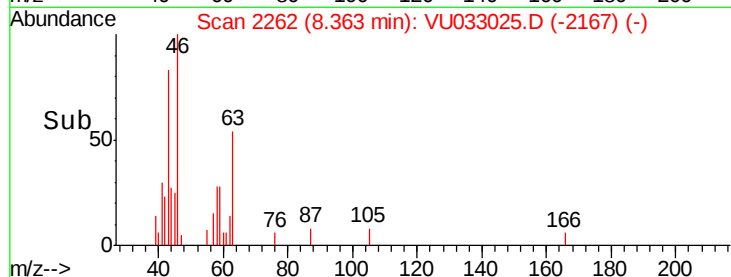
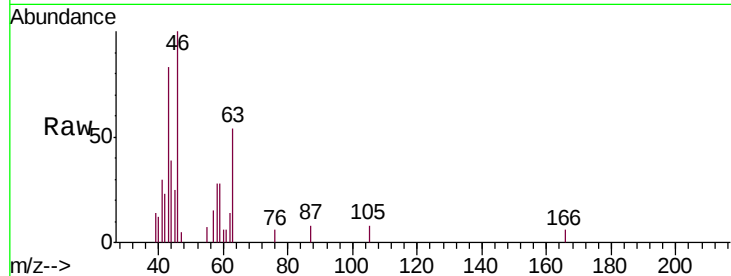




#48
2-Hexanone
Concen: 2.052 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU033025.D
Acq: 24 Jun 2019 22:55

Instrument :
MSVOA_U
ClientSampleId :
ETF08

Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
58 28.5 40.2 60.2#
57 12.3 14.2 21.4#
100 0.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 5.839 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033025.D
Acq: 24 Jun 2019 22:55

Tgt Ion: 75 Resp: 11508
Ion Ratio Lower Upper
75 100
77 39.0 25.5 38.3#

