

Data File : VU033020.D
Acq On : 24 Jun 2019 21:00
Operator : JC/SP
Sample : K3463-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF05

Quant Time: Jun 25 06:59:16 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	189628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188901	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91555	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62890	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.06%
7) Chloroethane-d5	1.68	69	53055	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.66%
11) 1,1-Dichloroethene-d2	2.26	63	97742	37.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.88%
21) 2-Butanone-d5	4.17	46	121186	112.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.35%
24) Chloroform-d	4.64	84	127307	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
26) 1,2-Dichloroethane-d4	5.30	65	88620	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.62%
32) Benzene-d6	5.33	84	247379	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.48%
36) 1,2-Dichloropropane-d6	6.32	67	80939	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.20%
41) Toluene-d8	7.56	98	225922	48.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.98%
43) trans-1,3-Dichloropropene-	7.85	79	39151	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.31	63	72373	98.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116310	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	88516	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	1798	1.044	ug/L #	25
8) Chloroethane	1.40	64	1534	1.548	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	825	0.651	ug/L #	17
12) 1,1-Dichloroethene	2.26	96	946	0.792	ug/L #	1
13) Acetone	2.32	43	4194	2.815	ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	79748	56.530	ug/L	95
33) Benzene	5.39	78	2826	0.519	ug/L	100
34) Trichloroethene	6.18	95	120457	82.848	ug/L	98
35) Methylcyclohexane	6.32	83	18182	8.090	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	9249	6.196	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3005	1.292	ug/L	87
42) Toluene	7.63	91	2148	0.365	ug/L	97
44) trans-1,3-Dichloropropene	7.84	75	1994	0.913	ug/L #	83
48) 2-Hexanone	8.36	43	3559	1.693	ug/L #	73
59) 1,2,3-Trichloropropane	11.48	75	11587	5.817	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

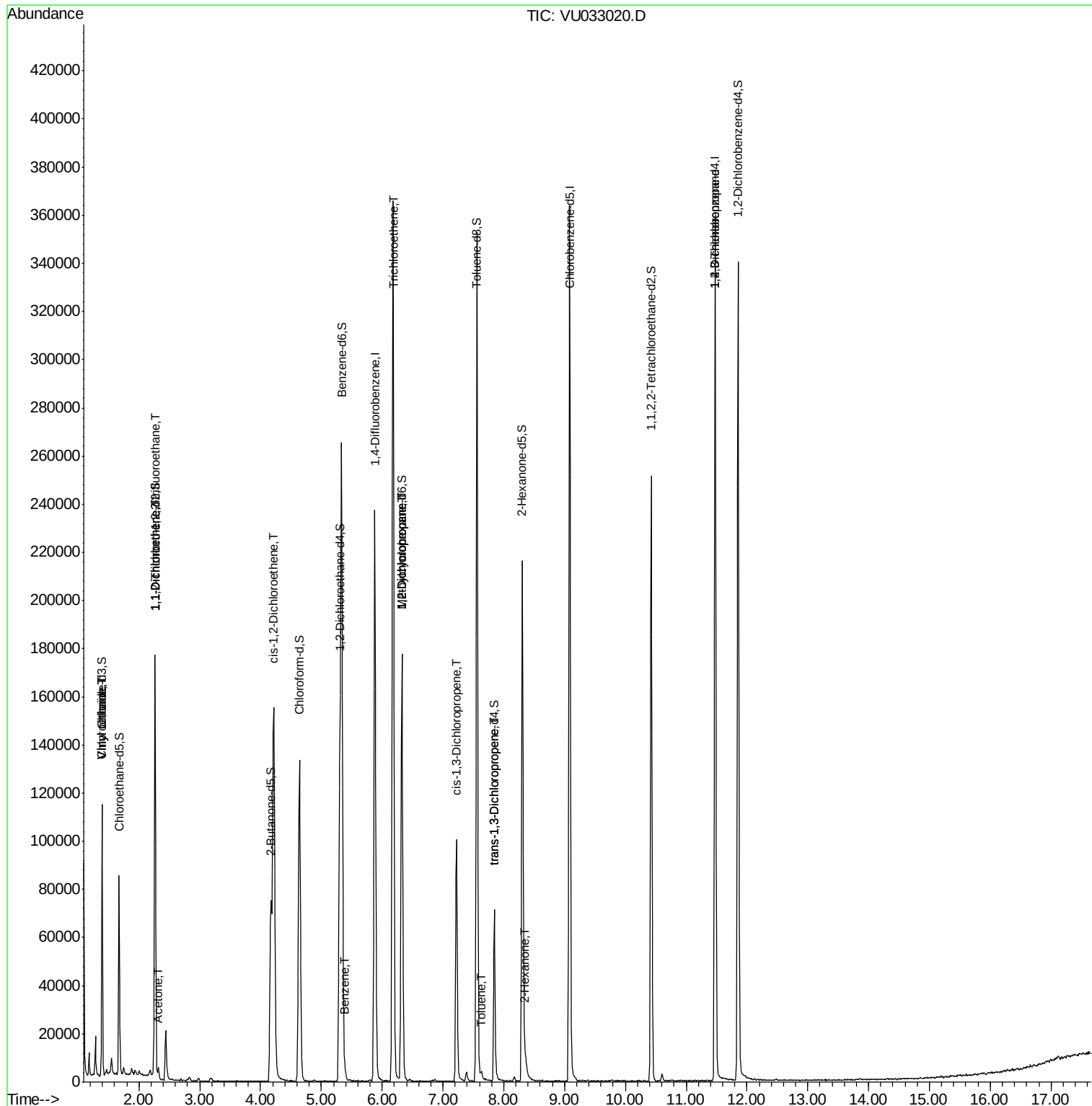
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

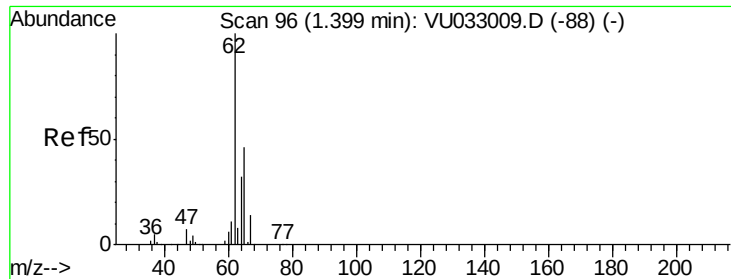
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 1.044 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

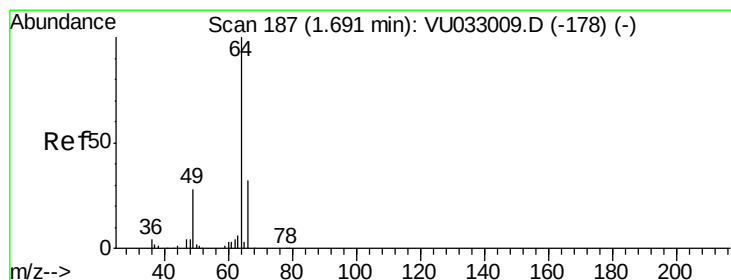
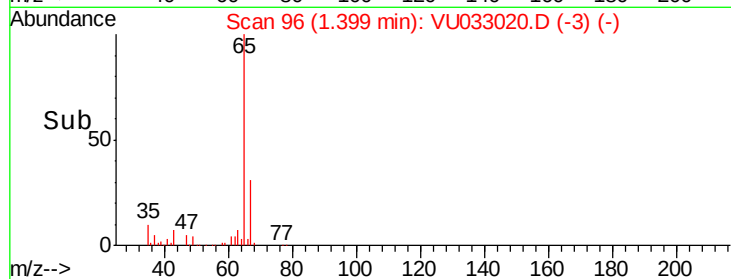
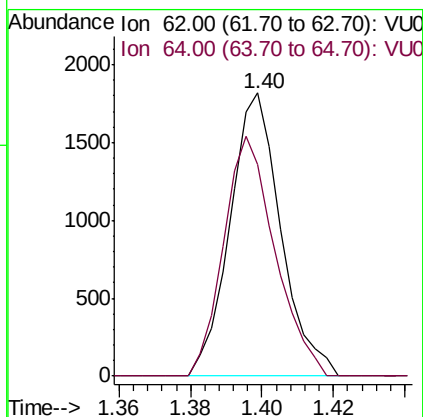
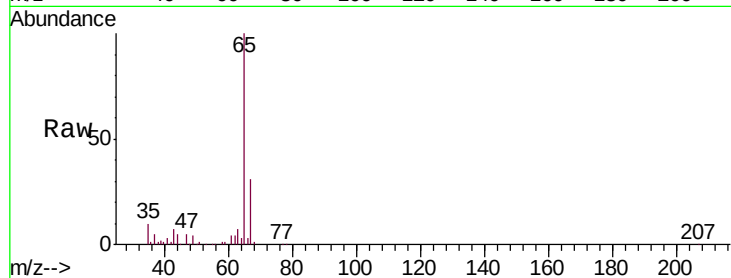
ETF05

Tgt Ion: 62 Resp: 1798

Ion Ratio Lower Upper

62 100

64 75.0 23.0 42.6#



#8

Chloroethane

Concen: 1.548 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033020.D

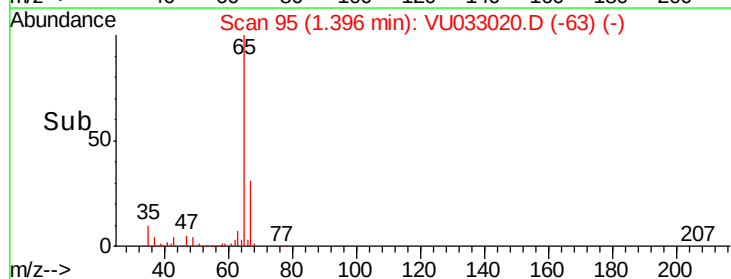
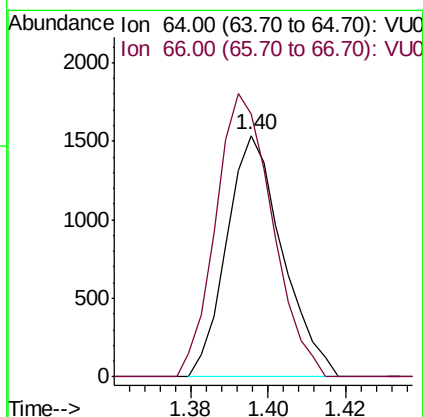
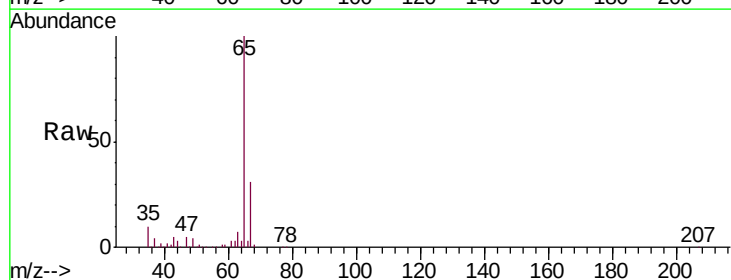
Acq: 24 Jun 2019 21:00

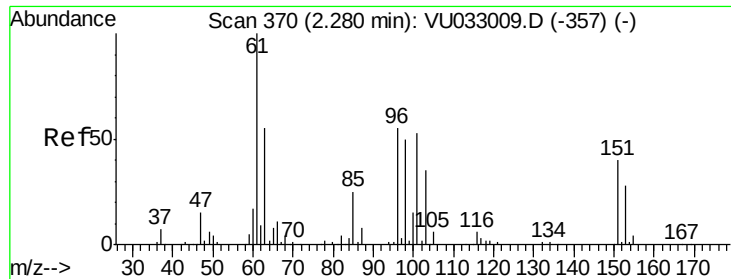
Tgt Ion: 64 Resp: 1534

Ion Ratio Lower Upper

64 100

66 109.0 22.5 41.7#





#10

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

Concen: 0.651 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

ETF05

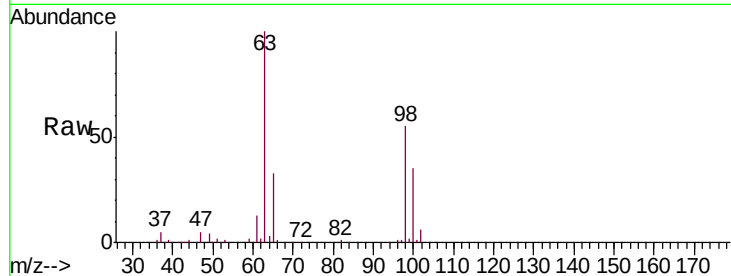
Tgt Ion: 101 Resp: 825

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

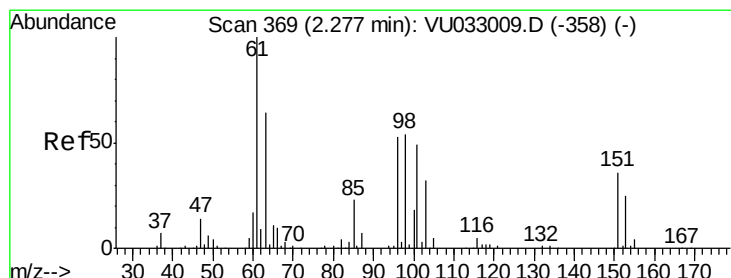
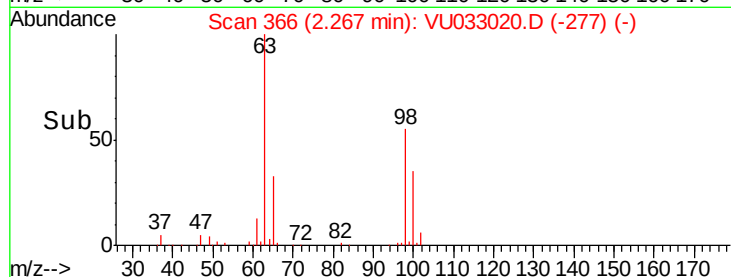
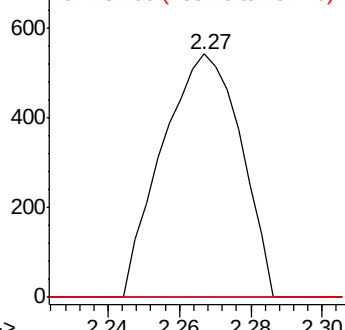
151 0.0 63.6 95.4#



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: 0.792 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

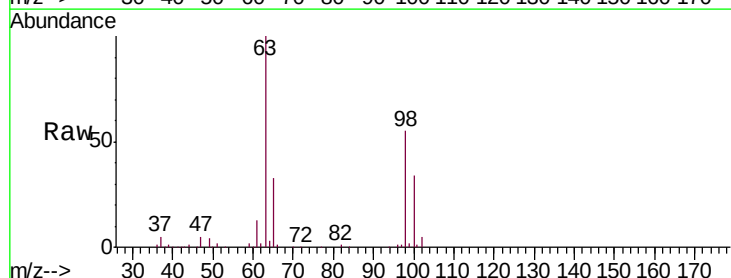
Tgt Ion: 96 Resp: 946

Ion Ratio Lower Upper

96 100

61 1438.7 131.0 243.4#

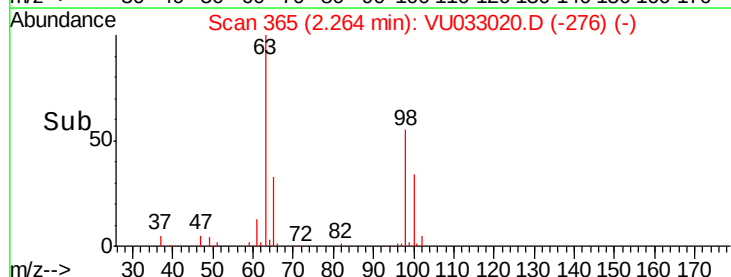
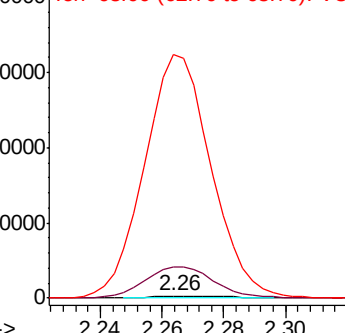
63 11448.8 101.0 187.6#

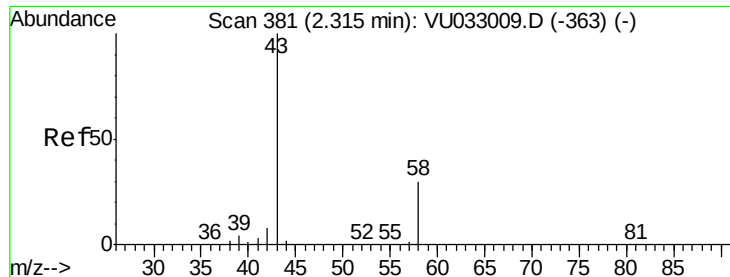


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.815 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

Instrument :

MSVOA_U

ClientSampled :

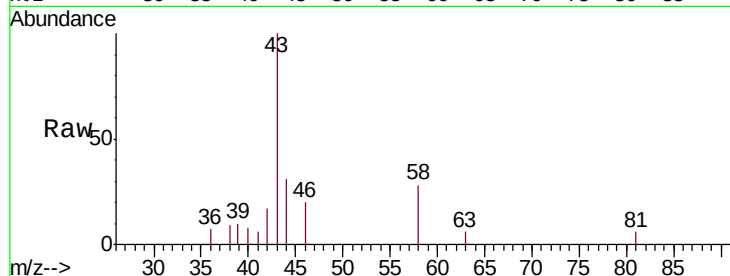
ETF05

Tgt Ion: 43 Resp: 4194

Ion Ratio Lower Upper

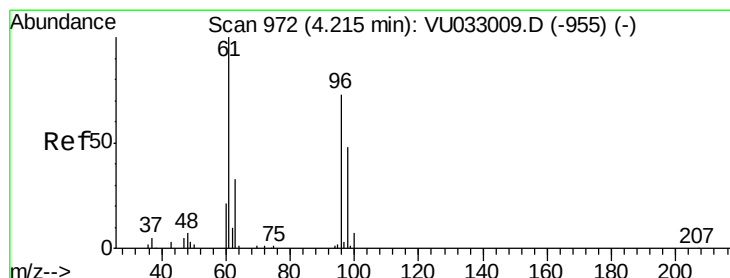
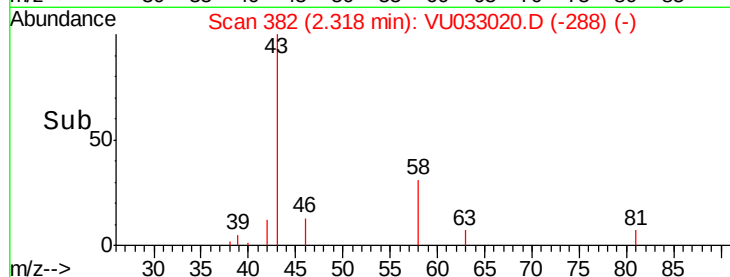
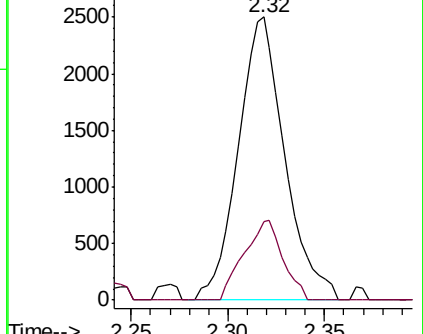
43 100

58 23.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033009.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU033009.D (-363) (-)



#20

cis-1,2-Dichloroethene

Concen: 56.530 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

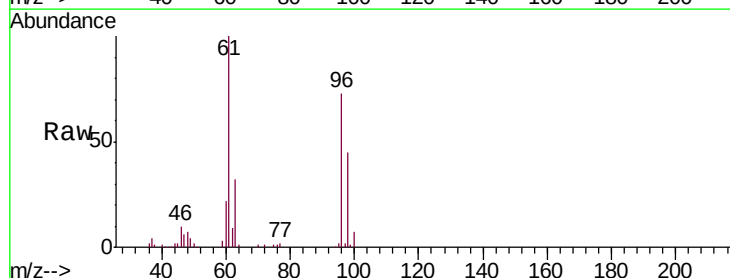
Tgt Ion: 96 Resp: 79748

Ion Ratio Lower Upper

96 100

61 137.7 92.4 171.6

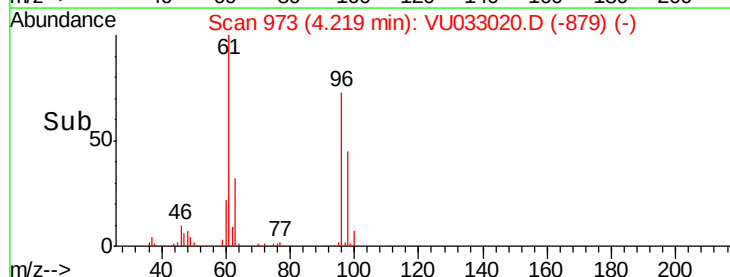
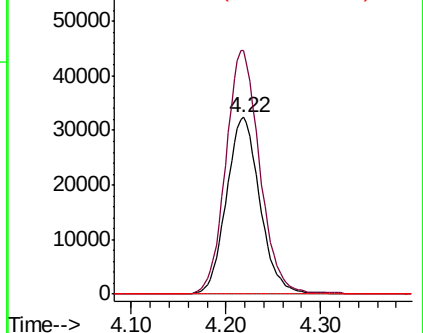
68 0.0 0.0 0.0

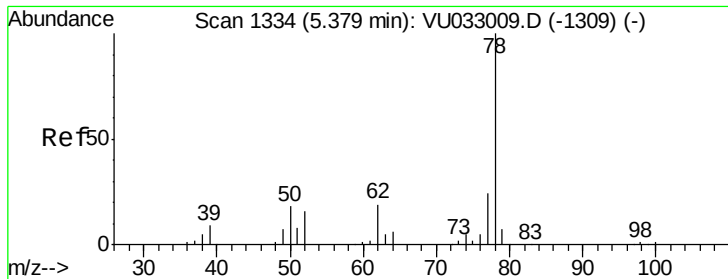


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

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

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





#33

Benzene

Concen: 0.519 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

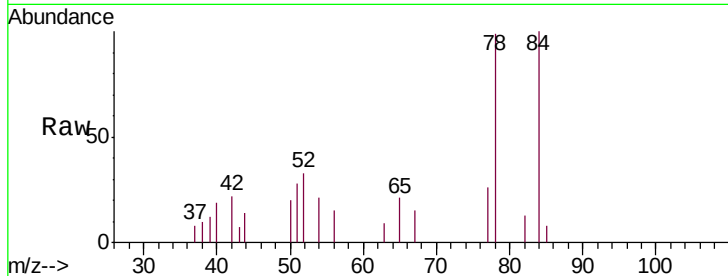
Instrument :

MSVOA_U

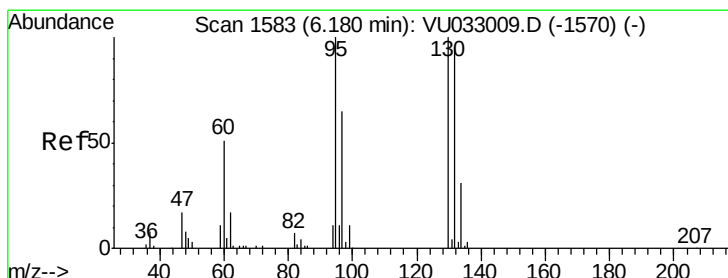
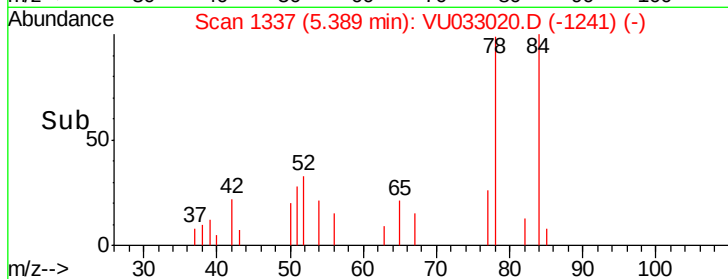
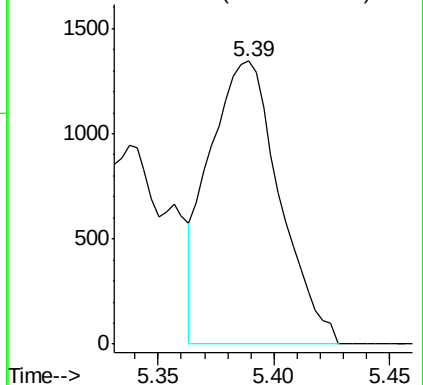
ClientSampled :

ETF05

Tgt Ion: 78 Resp: 2826



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 82.848 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033020.D

Acq: 24 Jun 2019 21:00

Tgt Ion: 95 Resp: 120457

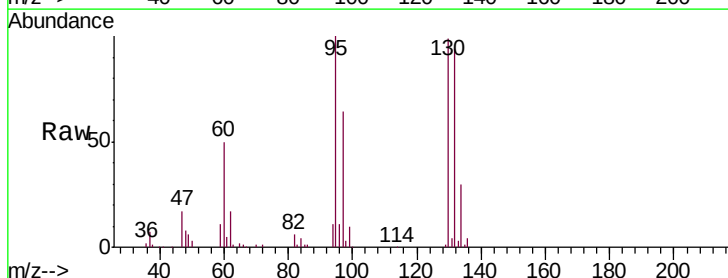
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 94.5 68.5 127.3

130 99.4 70.8 131.4

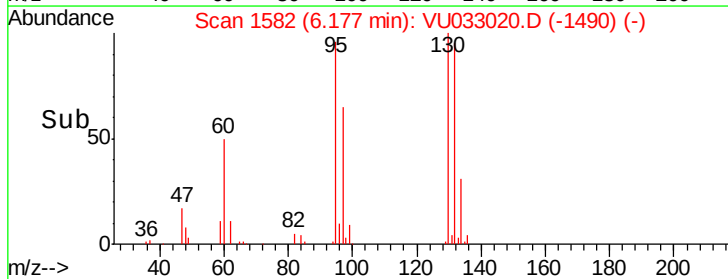
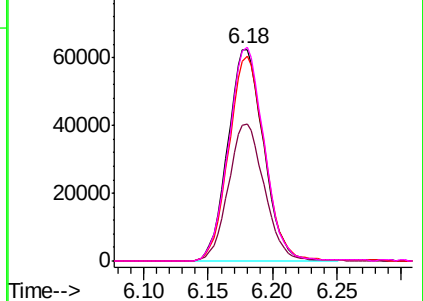


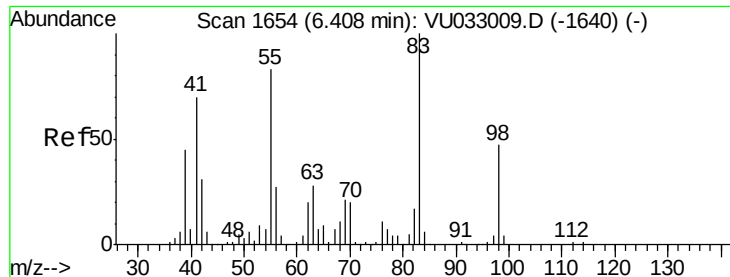
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

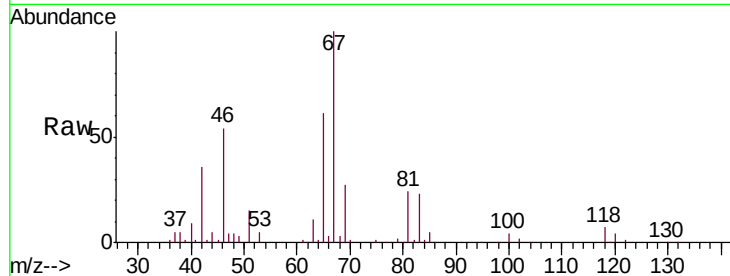




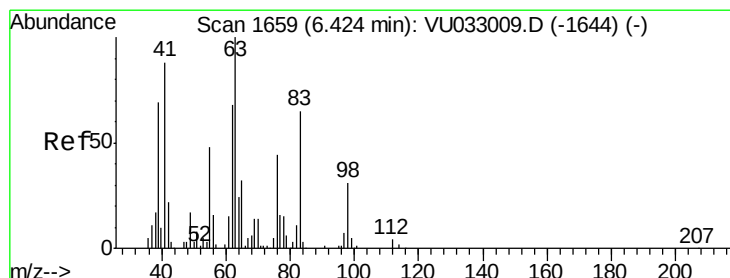
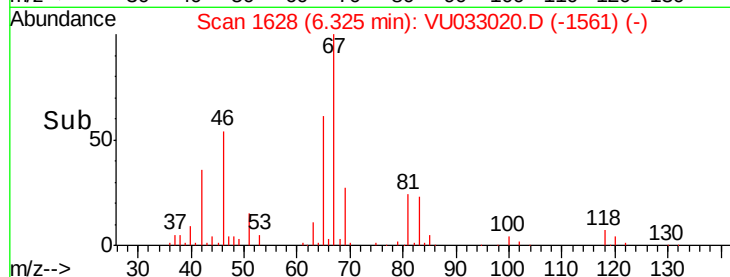
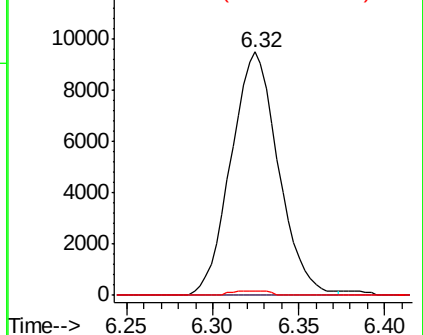
#35
Methylcyclohexane
Concen: 8.090 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033020.D
Acq: 24 Jun 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
ETF05

Tgt Ion: 83 Resp: 18182
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.0 37.4 56.0#

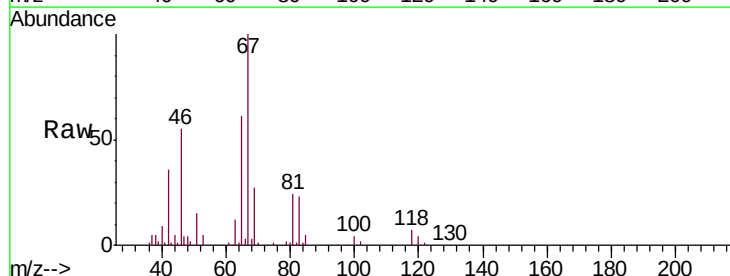


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

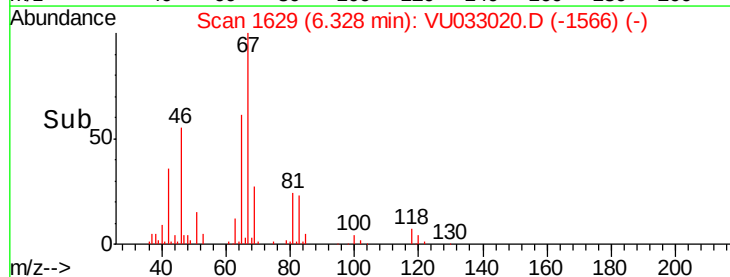
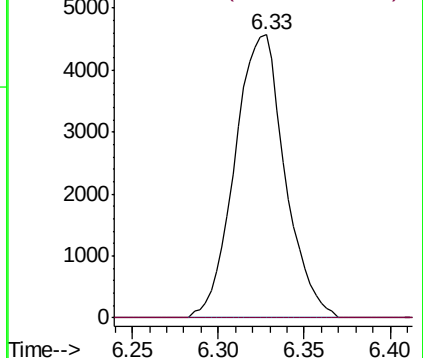


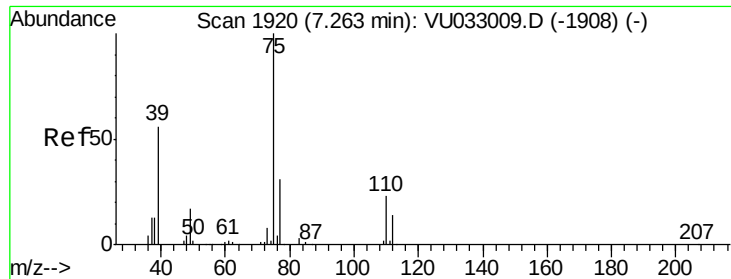
#37
1,2-Dichloropropane
Concen: 6.196 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU033020.D
Acq: 24 Jun 2019 21:00

Tgt Ion: 63 Resp: 9249
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

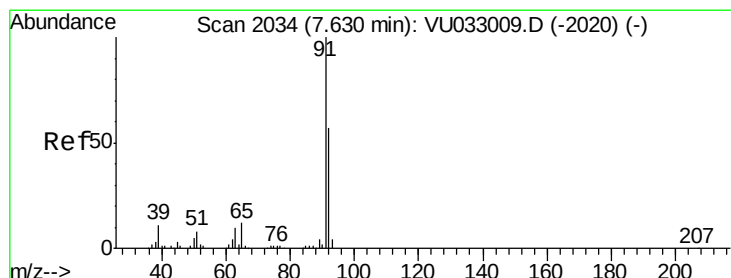
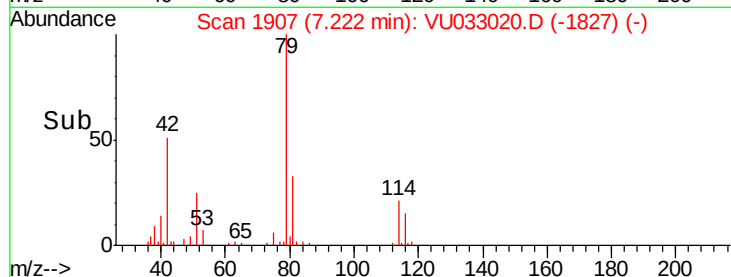
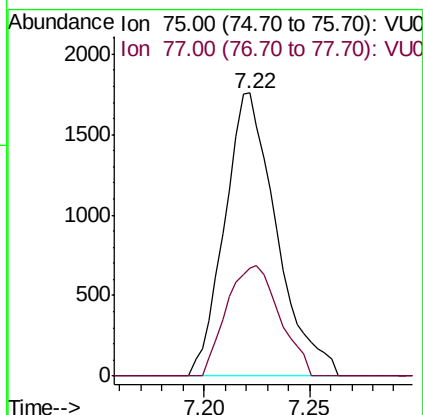
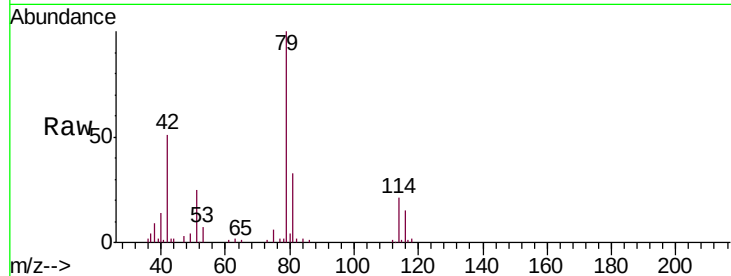




#39
 cis-1,3-Dichloropropene
 Concen: 1.292 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033020.D
 Acq: 24 Jun 2019 21:00

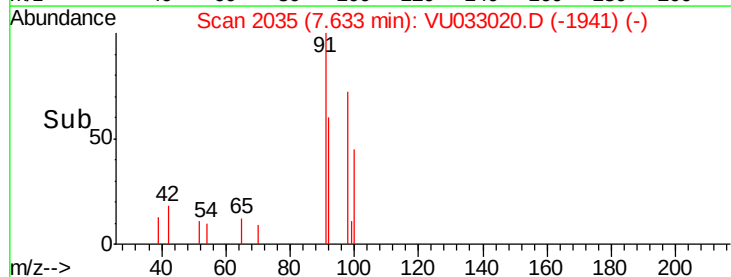
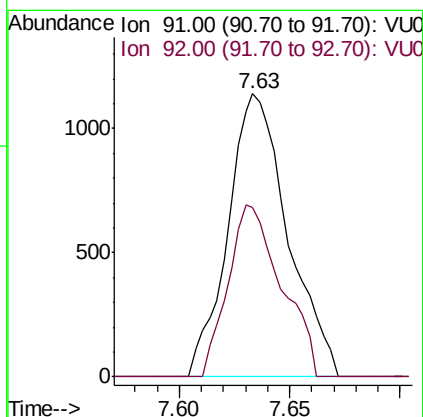
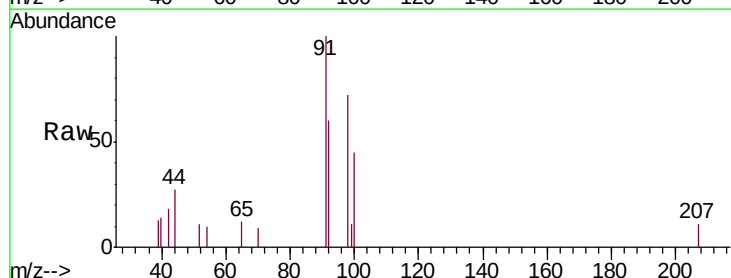
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF05

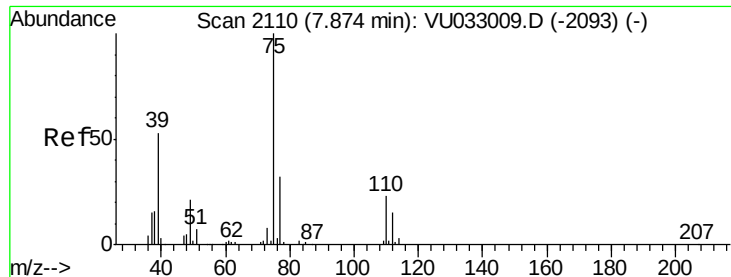
Tgt Ion: 75 Resp: 3005
 Ion Ratio Lower Upper
 75 100
 77 38.3 21.9 40.7



#42
 Toluene
 Concen: 0.365 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU033020.D
 Acq: 24 Jun 2019 21:00

Tgt Ion: 91 Resp: 2148
 Ion Ratio Lower Upper
 91 100
 92 60.0 40.4 75.0

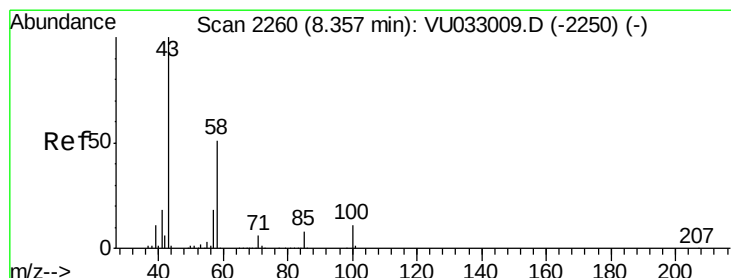
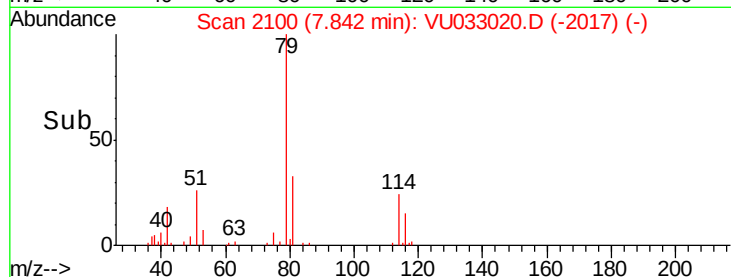
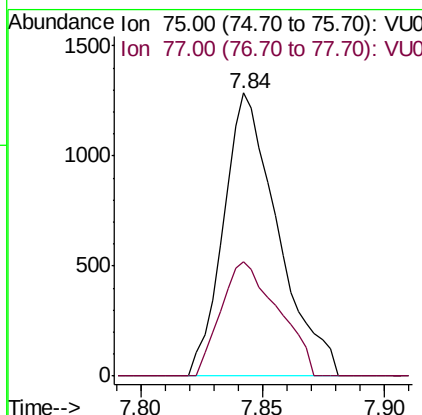
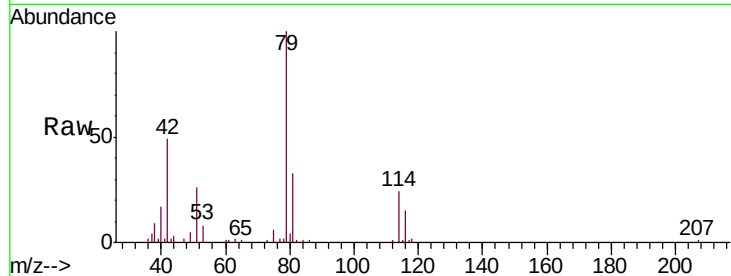




#44
trans-1,3-Dichloropropene
Concen: 0.913 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU033020.D
Acq: 24 Jun 2019 21:00

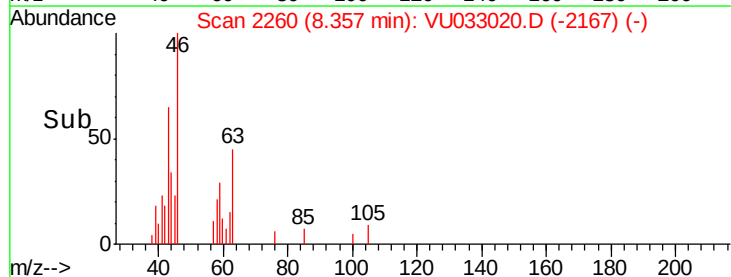
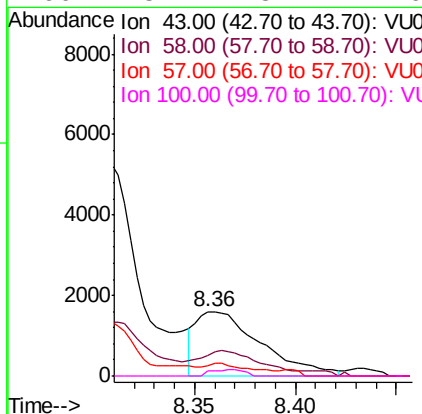
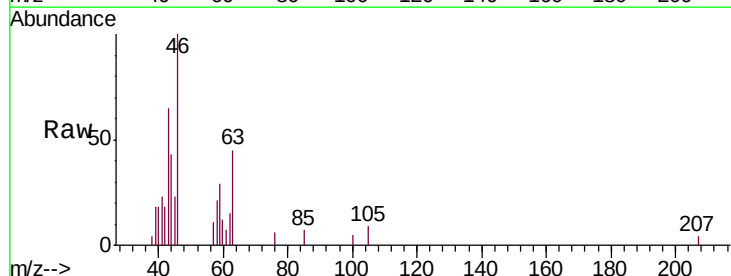
Instrument :
MSVOA_U
ClientSampled :
ETF05

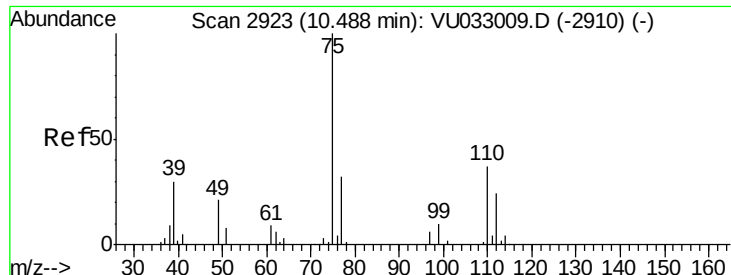
Tgt Ion: 75 Resp: 1994
Ion Ratio Lower Upper
75 100
77 40.6 21.8 40.4#



#48
2-Hexanone
Concen: 1.693 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033020.D
Acq: 24 Jun 2019 21:00

Tgt Ion: 43 Resp: 3559
Ion Ratio Lower Upper
43 100
58 26.2 40.2 60.2#
57 12.9 14.2 21.4#
100 3.7 8.4 12.6#





#59
 1,2,3-Trichloropropane
 Concen: 5.817 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU033020.D
 Acq: 24 Jun 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF05

Tgt Ion: 75 Resp: 11587
 Ion Ratio Lower Upper
 75 100
 77 39.8 25.5 38.3#

