

Data File : VU033007.D
Acq On : 24 Jun 2019 15:07
Operator : JC/SP
Sample : K3478-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF32

Quant Time: Jun 25 05:28:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186151	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	184217	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87353	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62568	49.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.36%
7) Chloroethane-d5	1.68	69	52422	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.34%
11) 1,1-Dichloroethene-d2	2.27	63	101435	39.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.16%
21) 2-Butanone-d5	4.17	46	119764	113.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.11%
24) Chloroform-d	4.64	84	126979	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.68%
26) 1,2-Dichloroethane-d4	5.30	65	88965	54.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.00%
32) Benzene-d6	5.33	84	249671	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
36) 1,2-Dichloropropane-d6	6.32	67	80630	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.42%
41) Toluene-d8	7.56	98	226943	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%
43) trans-1,3-Dichloropropene-	7.85	79	38469	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.68%
47) 2-Hexanone-d5	8.31	63	70882	99.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.23%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116200	49.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.28%
64) 1,2-Dichlorobenzene-d4	11.85	152	89521	52.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.92%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	14907	8.819 ug/L	91
8) Chloroethane	1.40	64	5737	5.896 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	956	0.769 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1516	1.293 ug/L #	1
13) Acetone	2.32	43	800	0.547 ug/L	68
17) trans-1,2-Dichloroethene	2.98	96	1940	1.526 ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	308531	222.791 ug/L	94
27) 1,2-Dichloroethane	5.33	62	1824	0.888 ug/L #	77
33) Benzene	5.34	78	2312	0.436 ug/L	100
35) Methylcyclohexane	6.32	83	18979	8.659 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9722	6.679 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2849	1.256 ug/L #	75
40) 4-Methyl-2-pentanone	7.56	43	1242	0.534 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1759	0.826 ug/L #	67
48) 2-Hexanone	8.31	43	9619	4.691 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	11363	5.849 ug/L	90

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

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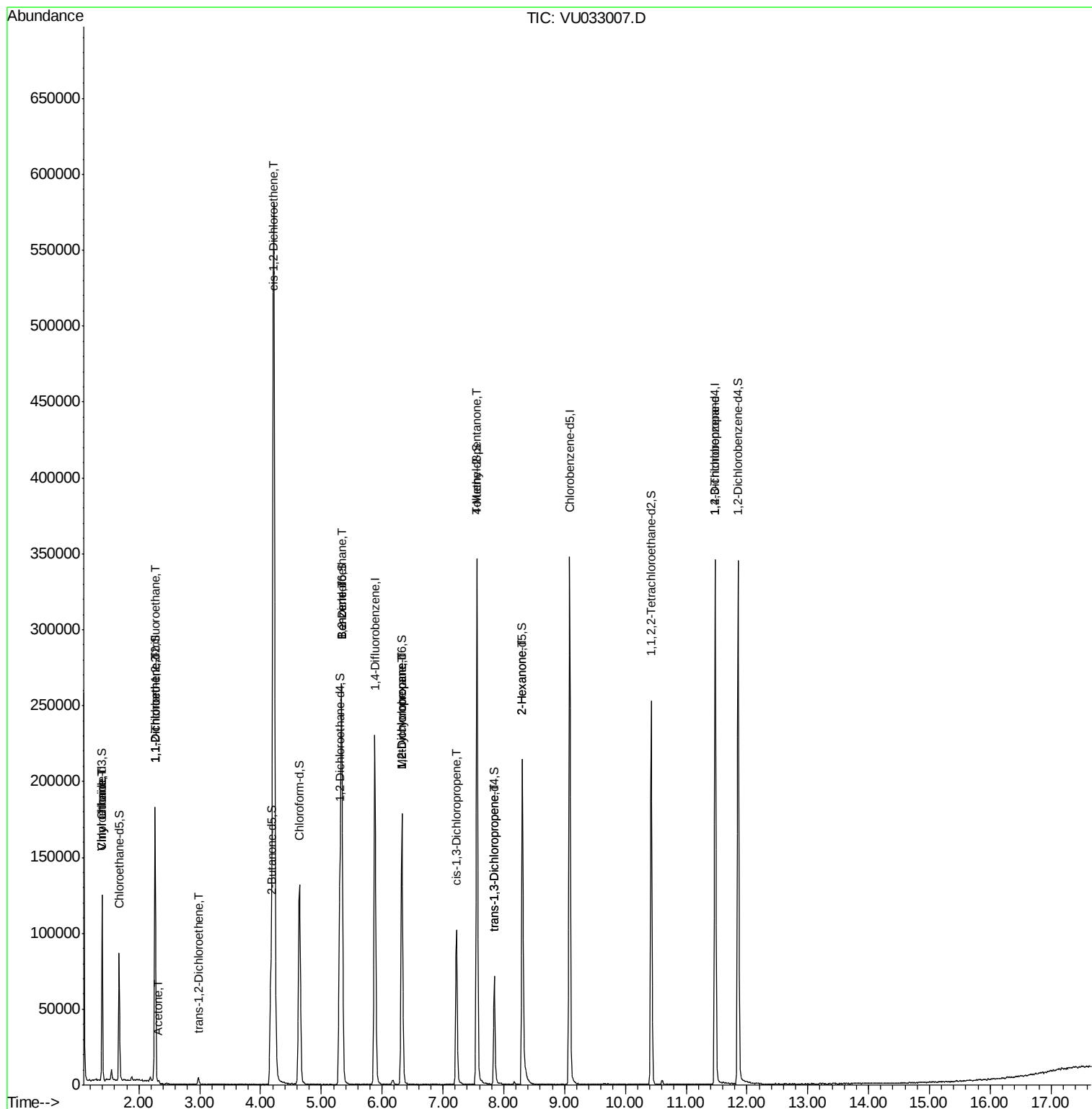
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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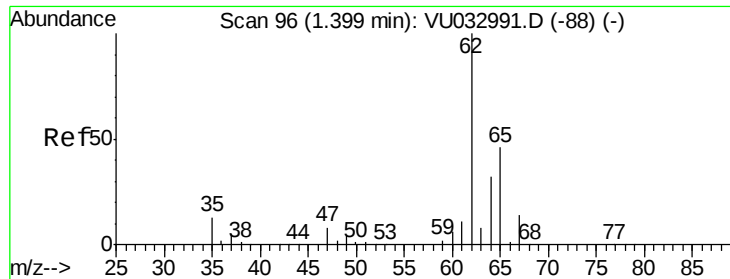
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.819 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033007.D

Acq: 24 Jun 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

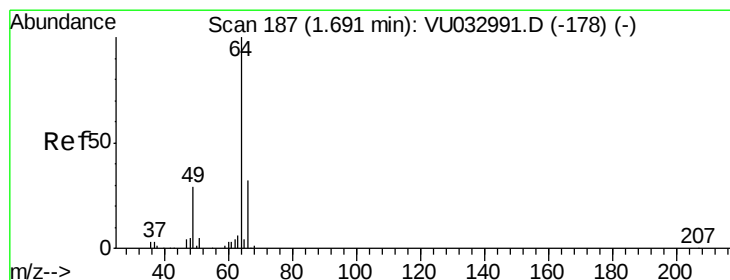
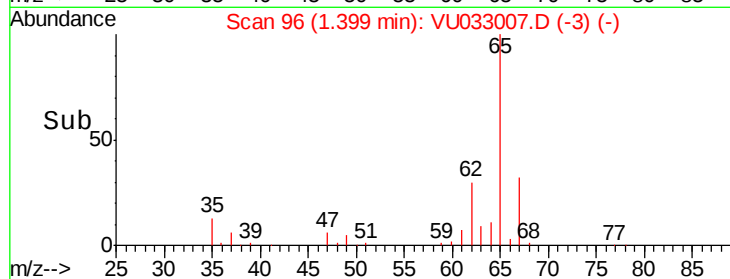
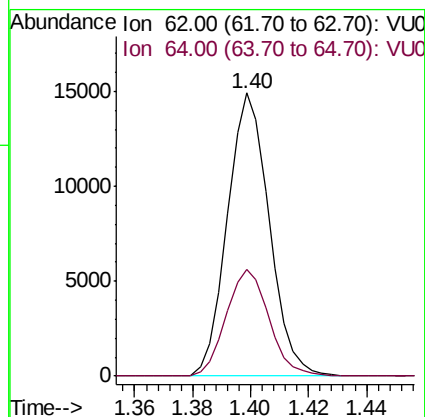
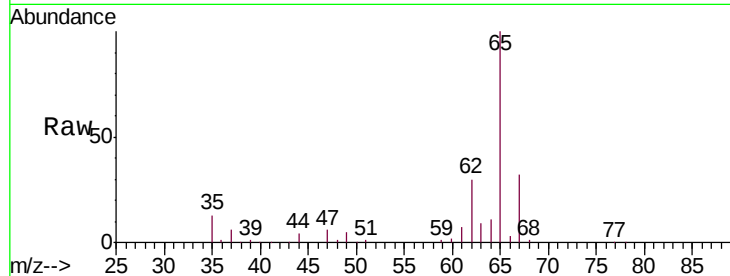
ETF32

Tgt Ion: 62 Resp: 14907

Ion Ratio Lower Upper

62 100

64 37.8 23.0 42.6



#8

Chloroethane

Concen: 5.896 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033007.D

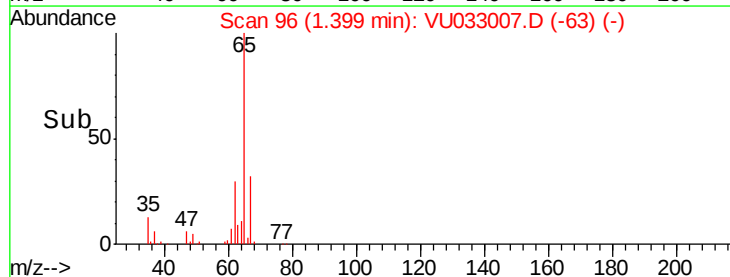
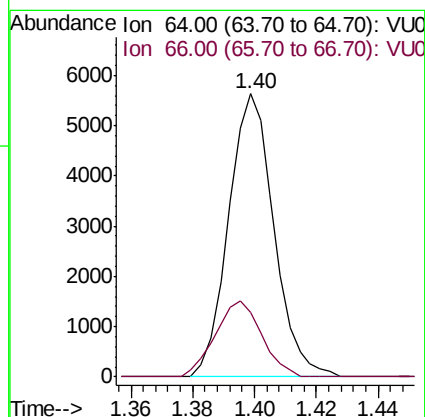
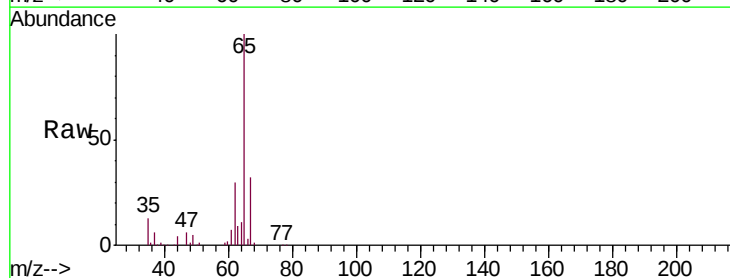
Acq: 24 Jun 2019 15:07

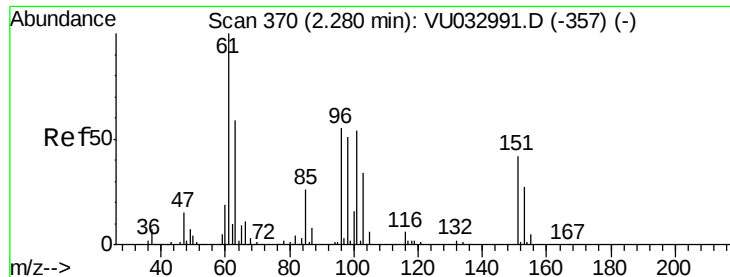
Tgt Ion: 64 Resp: 5737

Ion Ratio Lower Upper

64 100

66 22.8 22.5 41.7





#10

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

Concen: 0.769 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033007.D

Acq: 24 Jun 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

ETF32

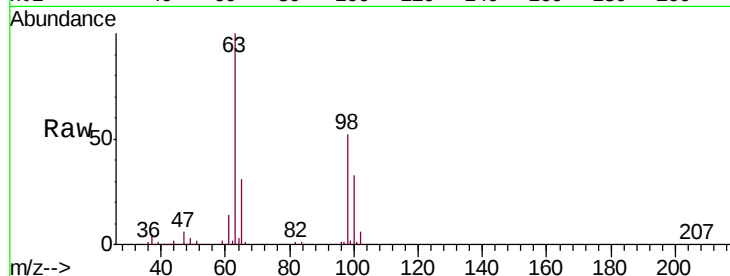
Tgt Ion: 101 Resp: 956

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

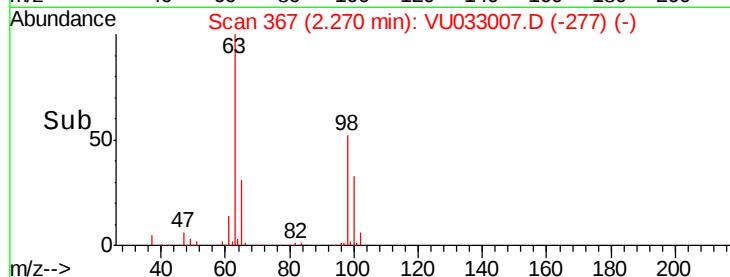
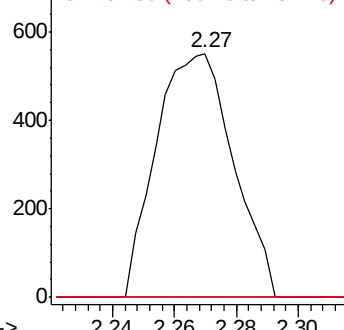
151 0.0 63.6 95.4#



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: 1.293 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033007.D

Acq: 24 Jun 2019 15:07

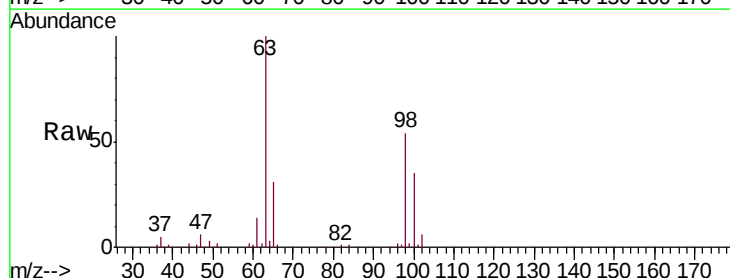
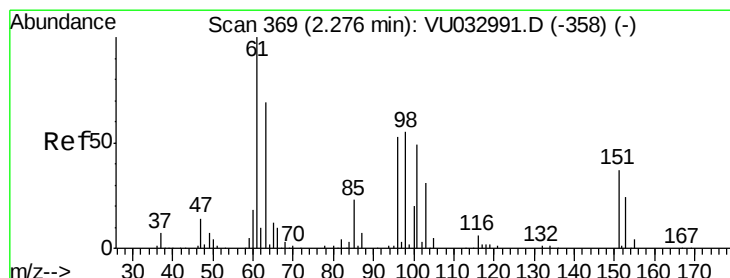
Tgt Ion: 96 Resp: 1516

Ion Ratio Lower Upper

96 100

61 832.1 131.0 243.4#

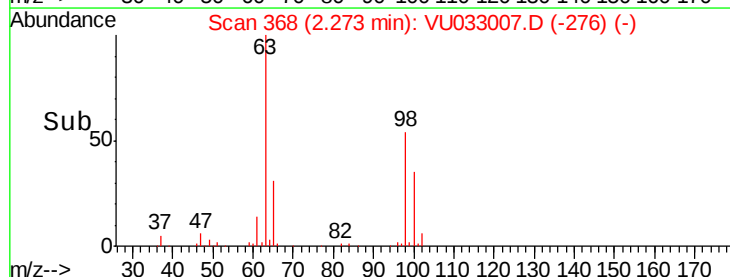
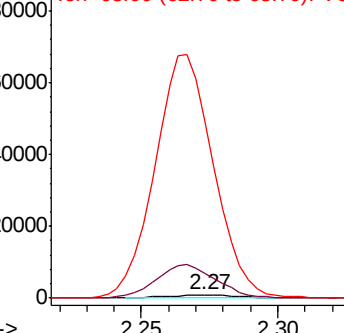
63 5893.3 101.0 187.6#

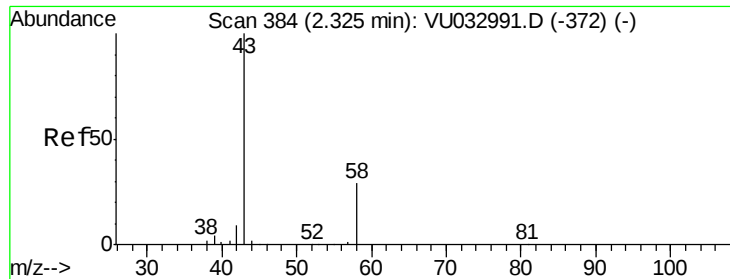


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.547 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU033007.D

Acq: 24 Jun 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

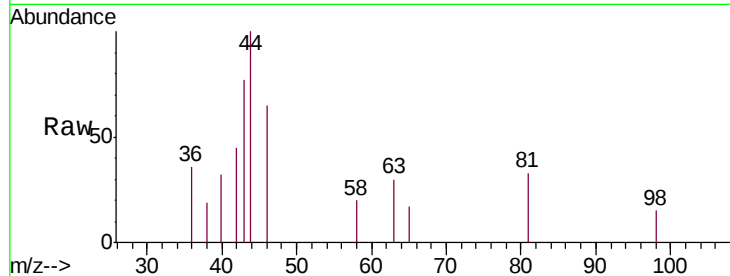
ETF32

Tgt Ion: 43 Resp: 800

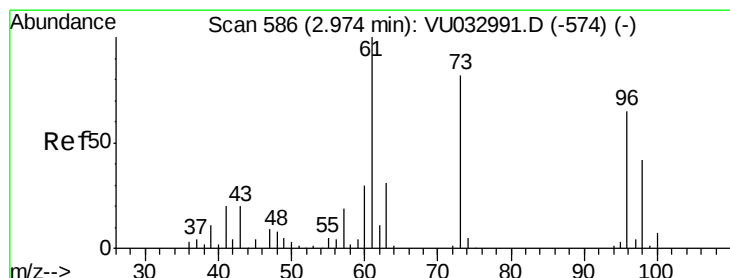
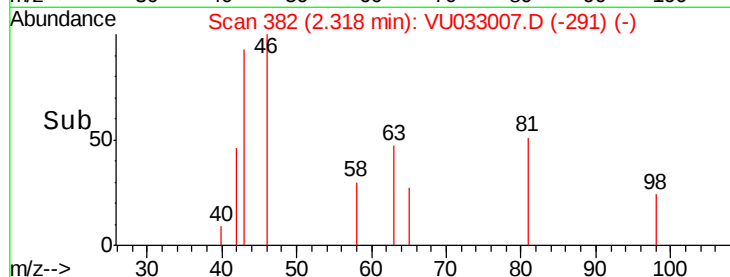
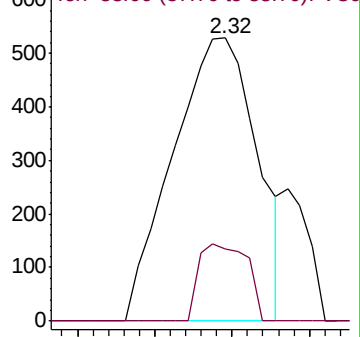
Ion Ratio Lower Upper

43 100

58 12.9 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032991.D (-372) (-)



#17

trans-1,2-Dichloroethene

Concen: 1.526 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU033007.D

Acq: 24 Jun 2019 15:07

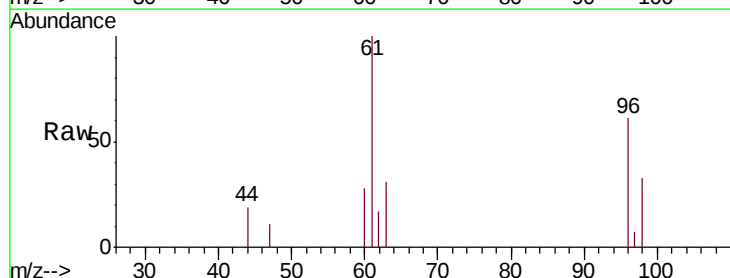
Tgt Ion: 96 Resp: 1940

Ion Ratio Lower Upper

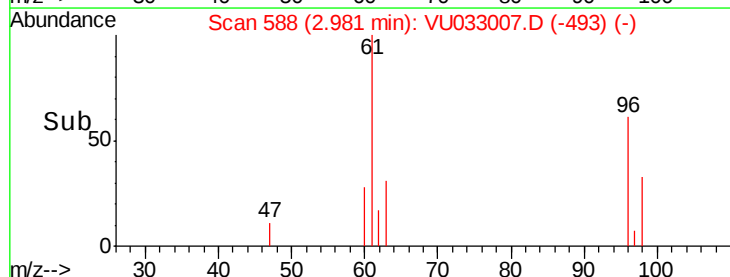
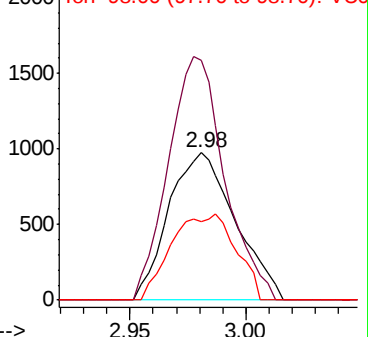
96 100

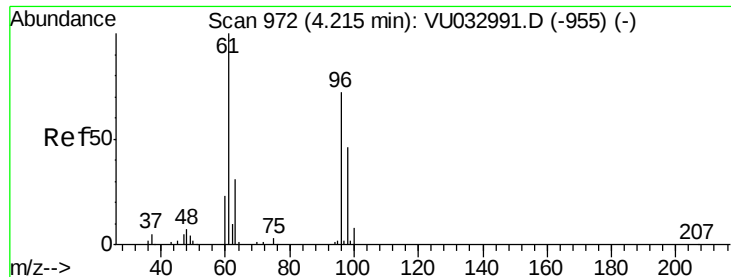
61 163.0 100.9 187.5

98 53.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032991.D (-574) (-)

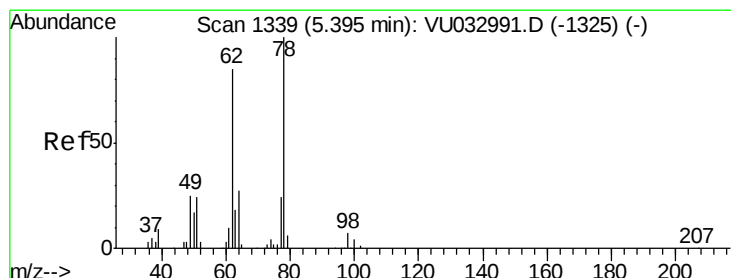
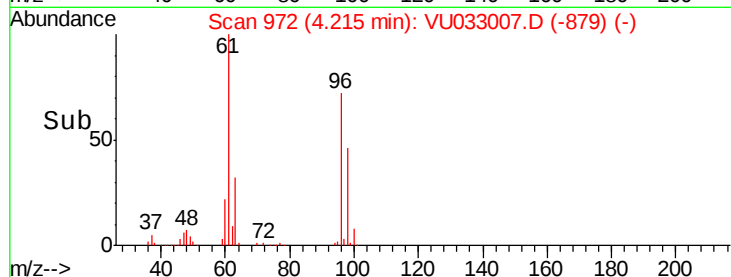
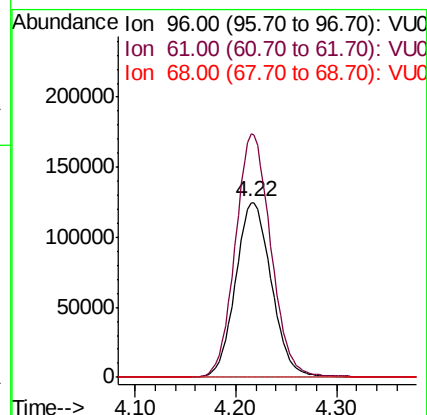
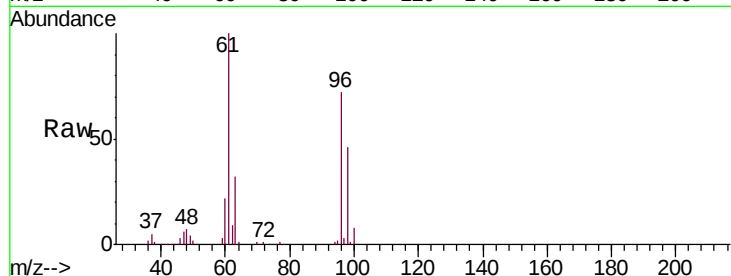




#20
 cis-1,2-Dichloroethene
 Concen: 222.791 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU033007.D
 Acq: 24 Jun 2019 15:07

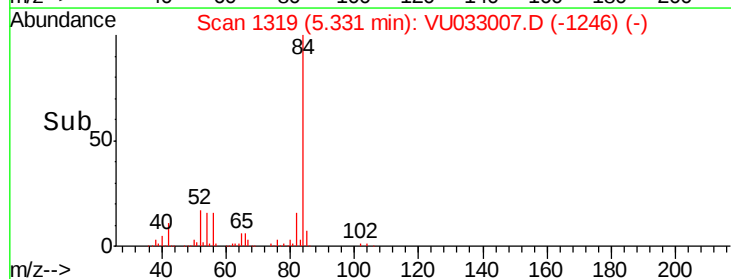
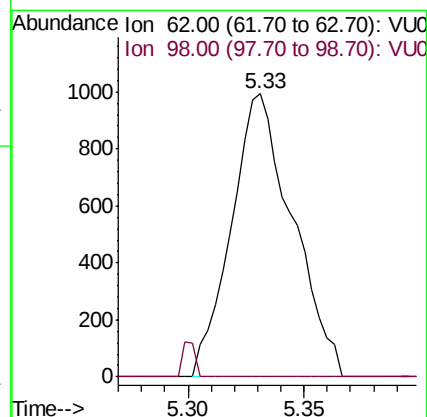
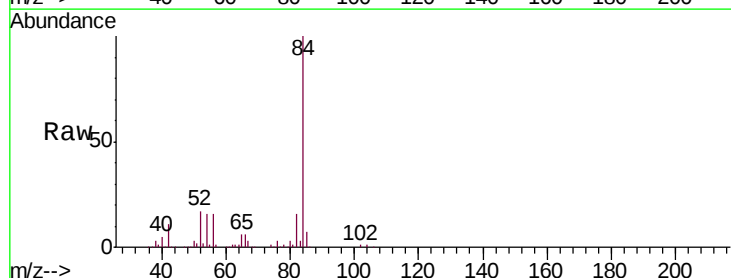
Instrument :
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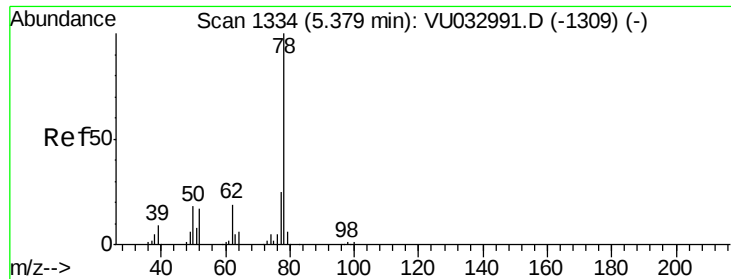
Tgt Ion: 96 Resp: 308531
 Ion Ratio Lower Upper
 96 100
 61 139.0 92.4 171.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.888 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.06 min
 Lab File: VU033007.D
 Acq: 24 Jun 2019 15:07

Tgt Ion: 62 Resp: 1824
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#

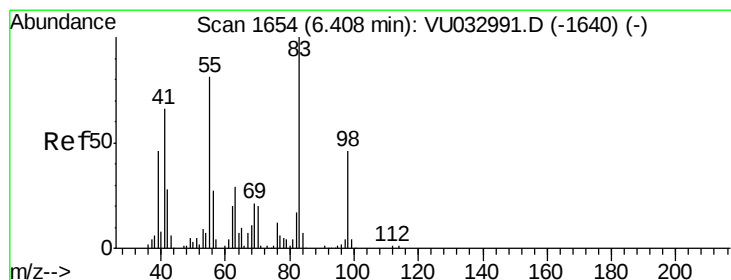
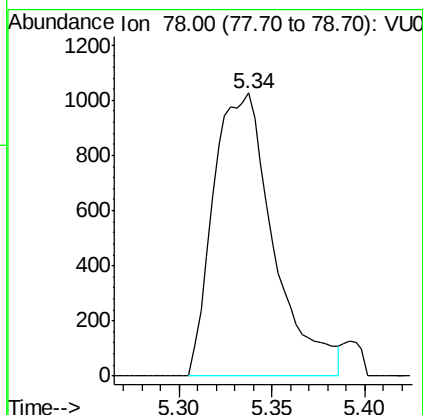
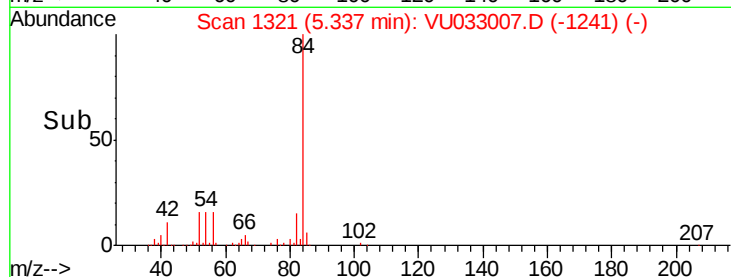
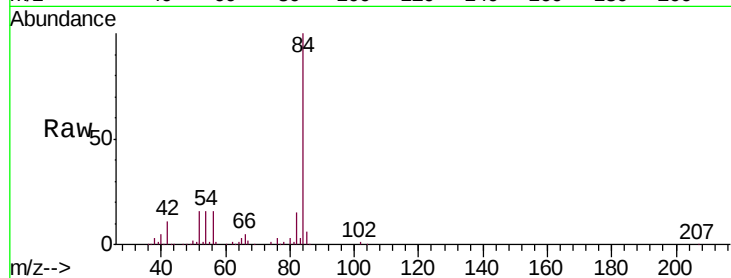




#33
Benzene
Concen: 0.436 ug/L
RT: 5.34 min Scan# 1321
Delta R.T. -0.04 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

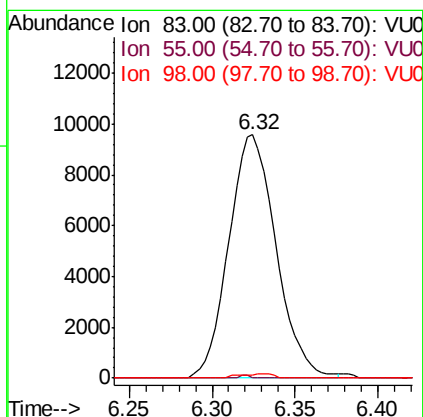
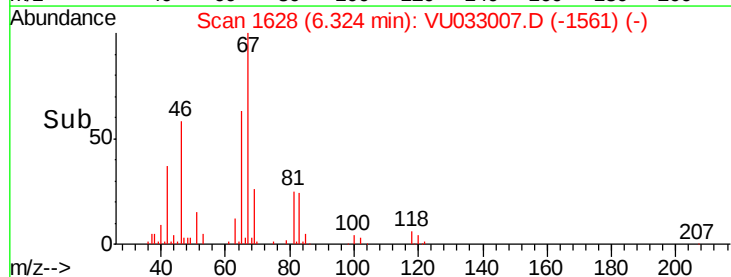
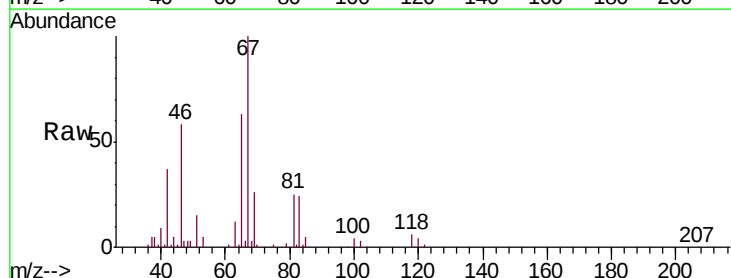
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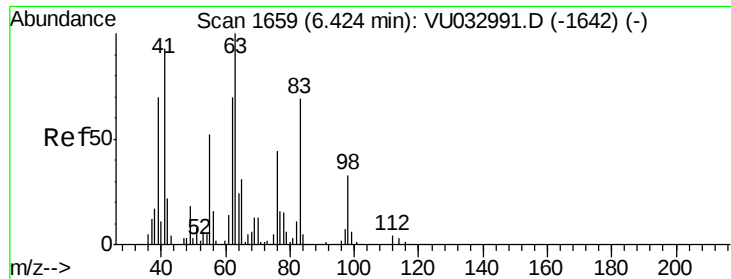
Tgt Ion: 78 Resp: 2312



#35
Methylcyclohexane
Concen: 8.659 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

Tgt Ion: 83 Resp: 18979
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 1.2 37.4 56.0#

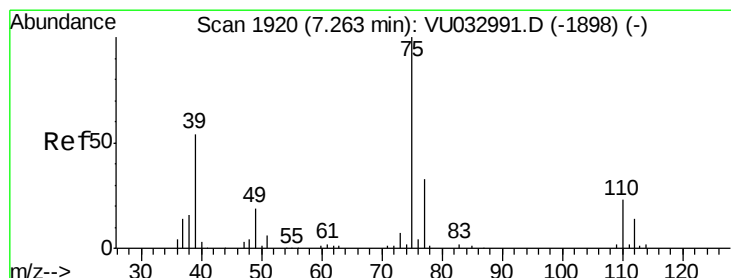
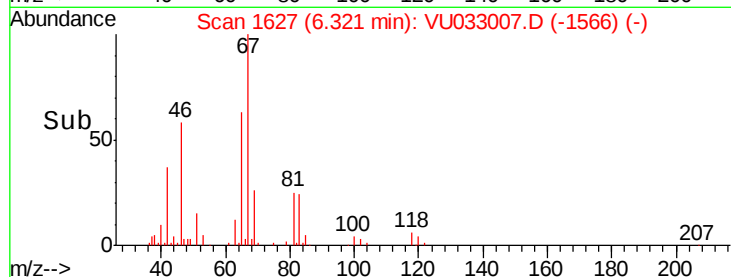
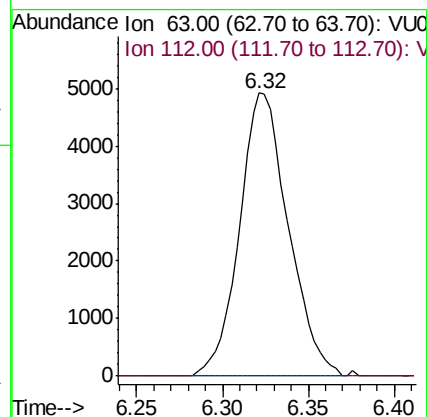
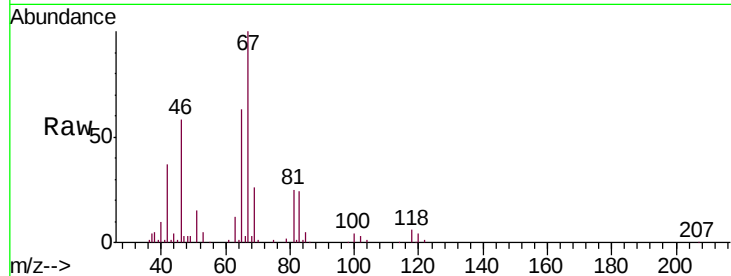




#37
 1,2-Dichloropropane
 Concen: 6.679 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.10 min
 Lab File: VU033007.D
 Acq: 24 Jun 2019 15:07

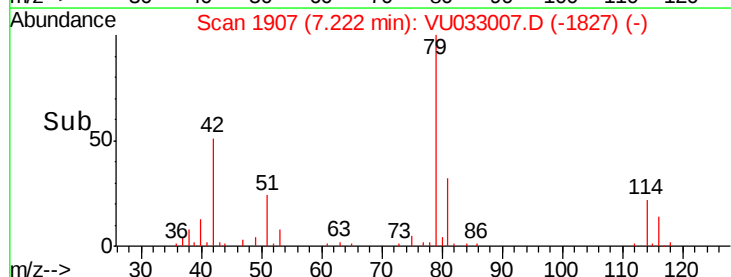
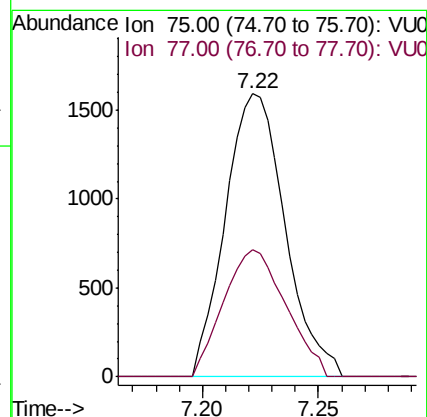
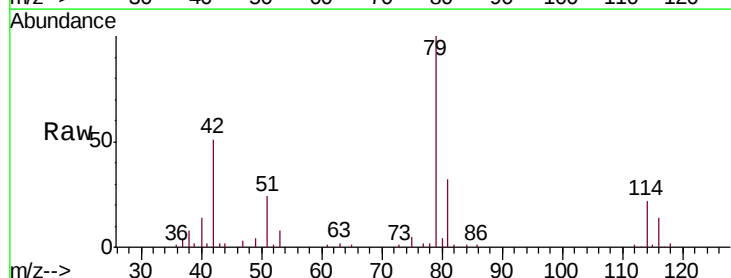
Instrument :
 MSVOA_U
 ClientSampled :
 ETF32

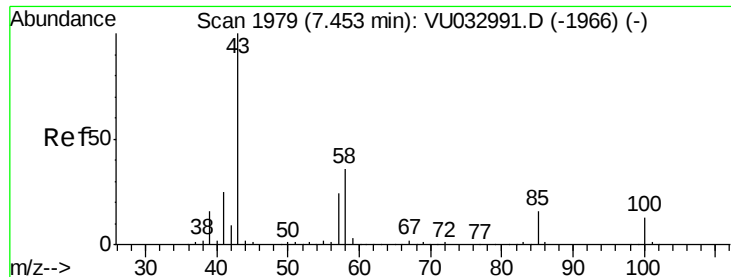
Tgt Ion: 63 Resp: 9722
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.256 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033007.D
 Acq: 24 Jun 2019 15:07

Tgt Ion: 75 Resp: 2849
 Ion Ratio Lower Upper
 75 100
 77 44.9 21.9 40.7#

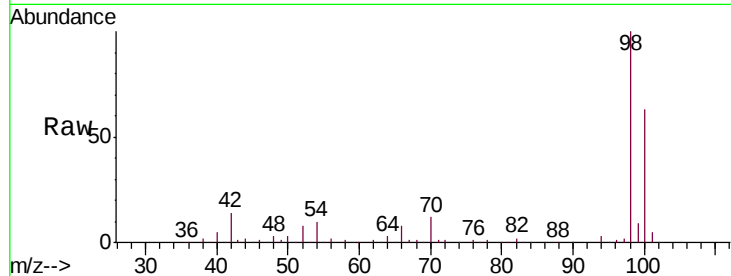




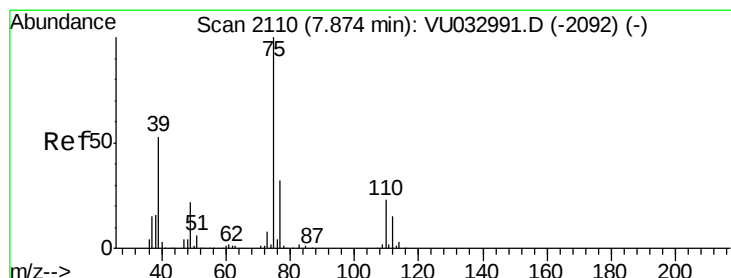
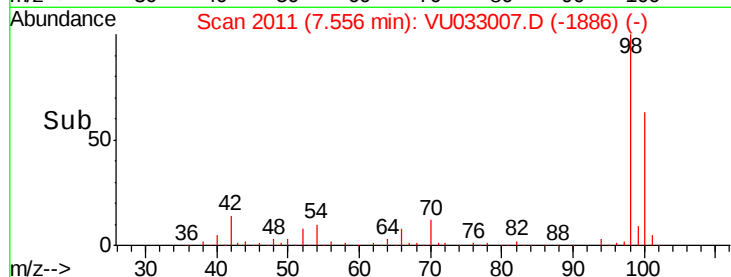
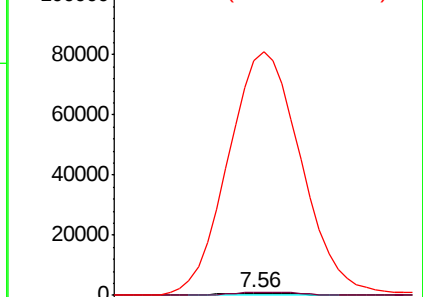
#40
4-Methyl-2-pentanone
Concen: 0.534 ug/L
RT: 7.56 min Scan# 2011
Delta R.T. 0.10 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

Instrument :
MSVOA_U
ClientSampled :
ETF32

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 163.1 29.4 44.2#
100 11525.8 11.2 16.8#

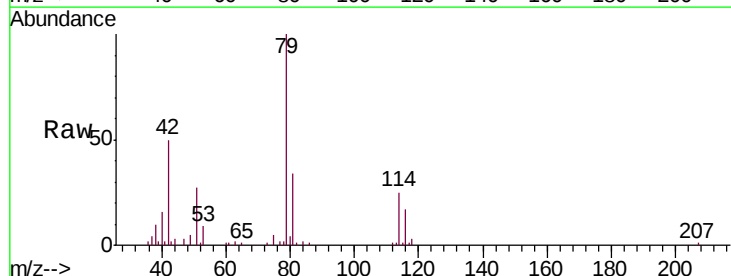


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

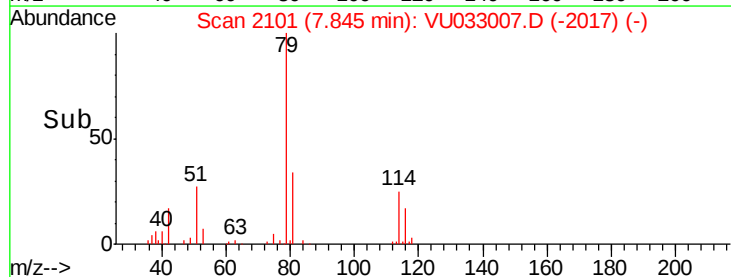
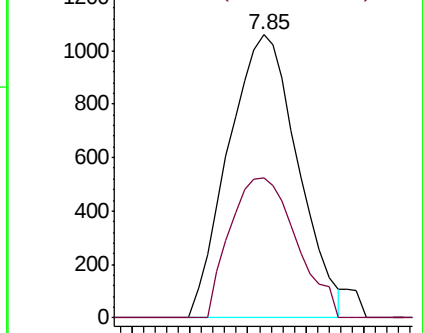


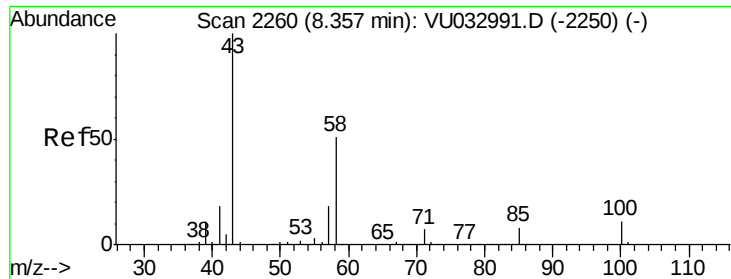
#44
trans-1,3-Dichloropropene
Concen: 0.826 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

Tgt Ion: 75 Resp: 1759
Ion Ratio Lower Upper
75 100
77 49.4 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

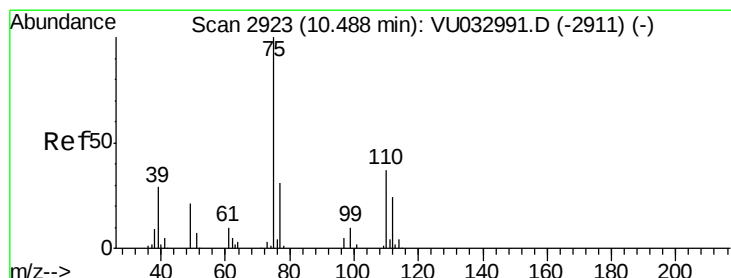
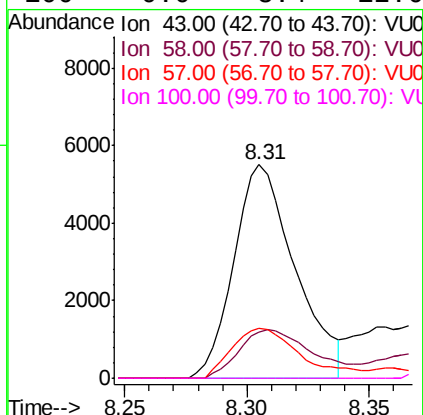
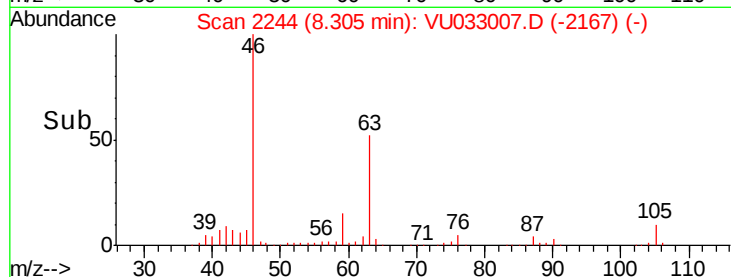
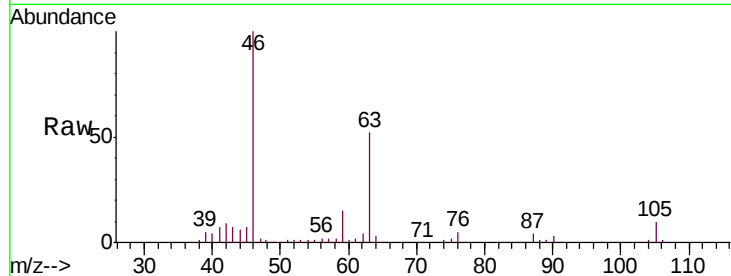




#48
2-Hexanone
Concen: 4.691 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

Instrument :
MSVOA_U
ClientSampleId :
ETF32

Tgt Ion: 43 Resp: 9619
Ion Ratio Lower Upper
43 100
58 27.4 40.2 60.2#
57 26.0 14.2 21.4#
100 0.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 5.849 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033007.D
Acq: 24 Jun 2019 15:07

Tgt Ion: 75 Resp: 11363
Ion Ratio Lower Upper
75 100
77 37.3 25.5 38.3

