

Data File : VU032997.D
Acq On : 24 Jun 2019 11:18
Operator : JC/SP
Sample : K3478-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF24

Quant Time: Jun 25 05:26:39 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	199151	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	196945	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92853	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	39438	28.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.96%#
7) Chloroethane-d5	1.68	69	39063	35.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.98%
11) 1,1-Dichloroethene-d2	2.27	63	68646	25.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.08%#
21) 2-Butanone-d5	4.17	46	124271	109.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.70%
24) Chloroform-d	4.64	84	113806	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
26) 1,2-Dichloroethane-d4	5.30	65	81038	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
32) Benzene-d6	5.33	84	204034	39.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.48%
36) 1,2-Dichloropropane-d6	6.32	67	71438	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.36%
41) Toluene-d8	7.56	98	184010	38.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.54%#
43) trans-1,3-Dichloropropene-	7.85	79	33782	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.42%
47) 2-Hexanone-d5	8.31	63	74262	97.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.25%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117390	46.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	80155	44.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.22%

Target Compounds

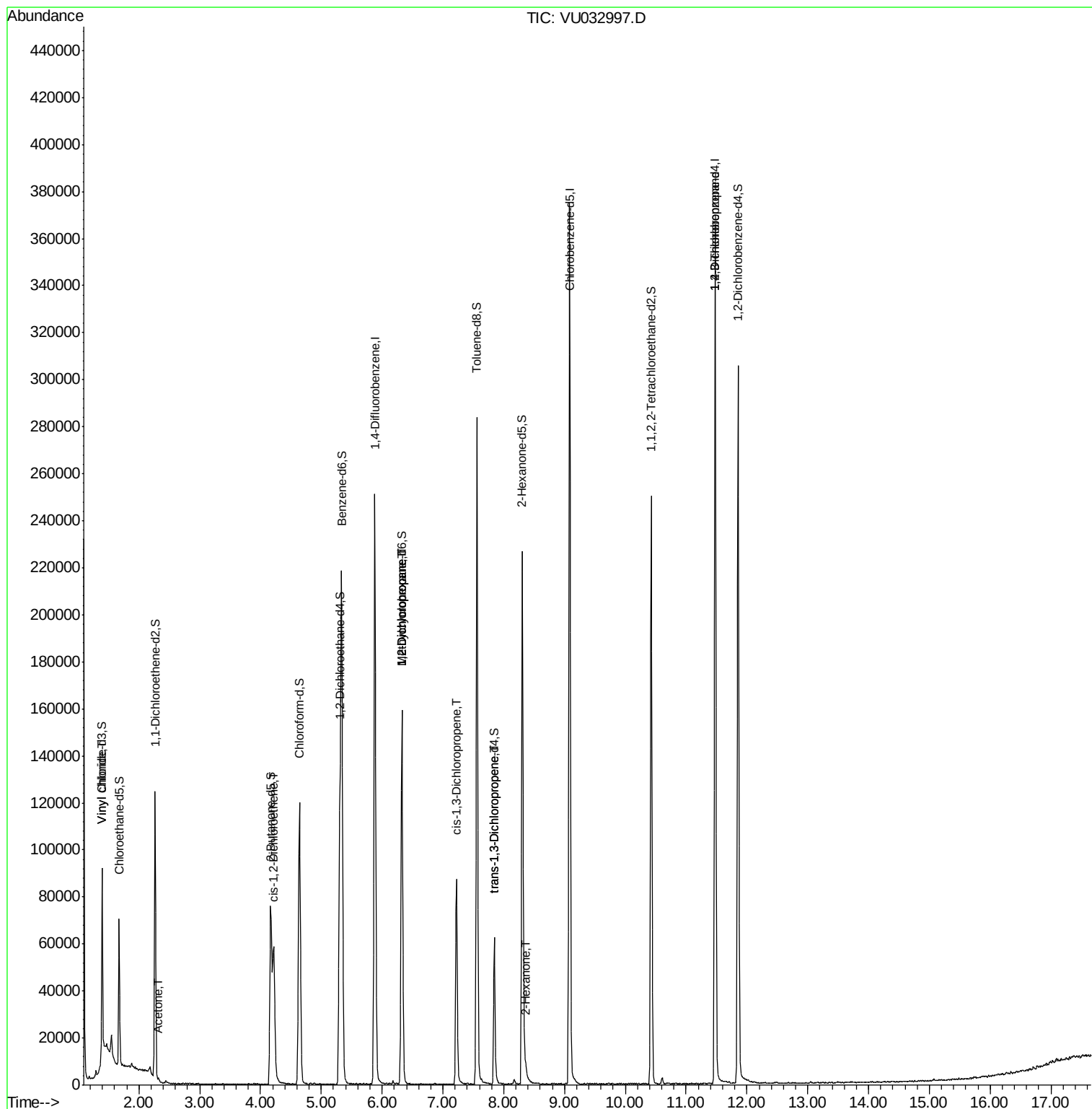
					Qvalue
5) Vinyl chloride	1.40	62	10192	5.636 ug/L #	1
13) Acetone	2.32	43	1092	0.698 ug/L	84
20) cis-1,2-Dichloroethene	4.22	96	27217	18.371 ug/L	97
35) Methylcyclohexane	6.32	83	16583	7.077 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8860	5.693 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2577	1.063 ug/L #	71
44) trans-1,3-Dichloropropene	7.84	75	1565	0.687 ug/L #	71
48) 2-Hexanone	8.36	43	2200	1.004 ug/L #	89
59) 1,2,3-Trichloropropane	11.48	75	12008	5.782 ug/L	89

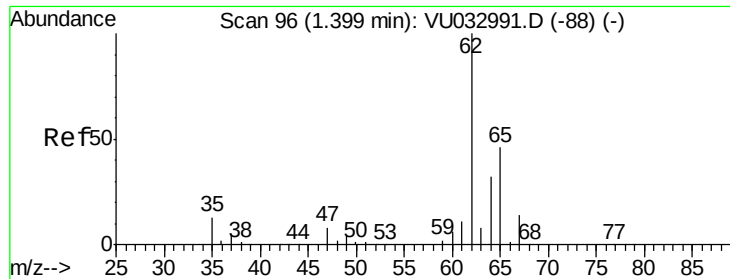
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.636 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032997.D

Acq: 24 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

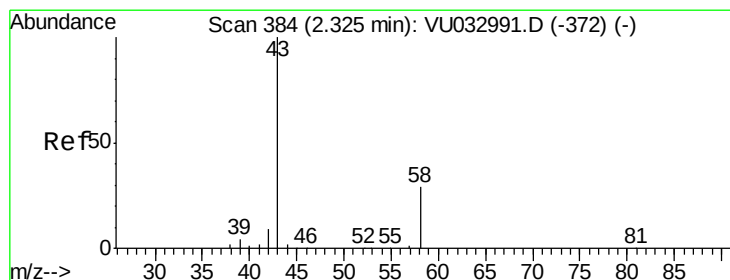
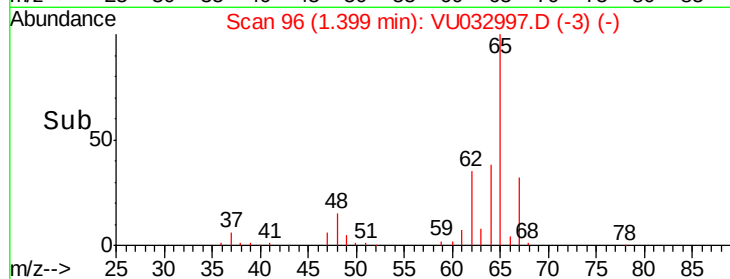
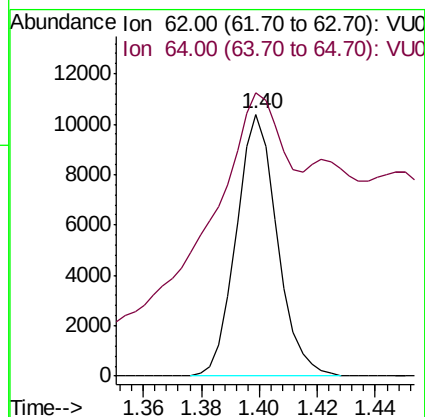
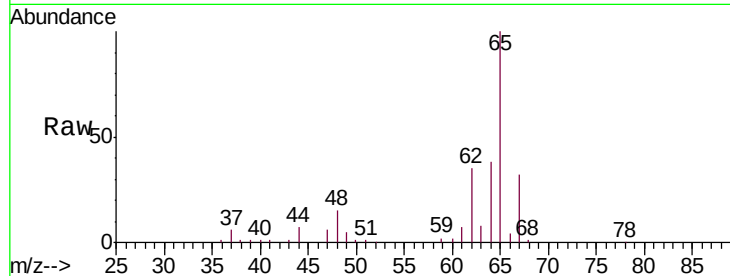
ETF24

Tgt Ion: 62 Resp: 10192

Ion Ratio Lower Upper

62 100

64 107.9 23.0 42.6#



#13

Acetone

Concen: 0.698 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU032997.D

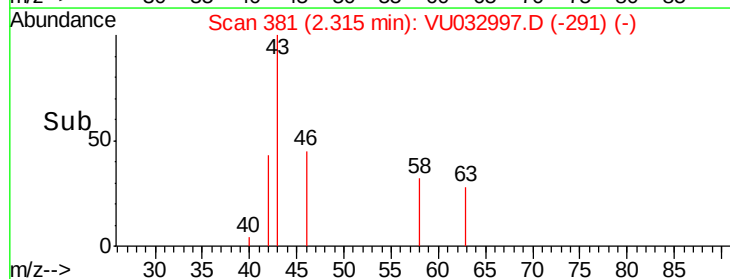
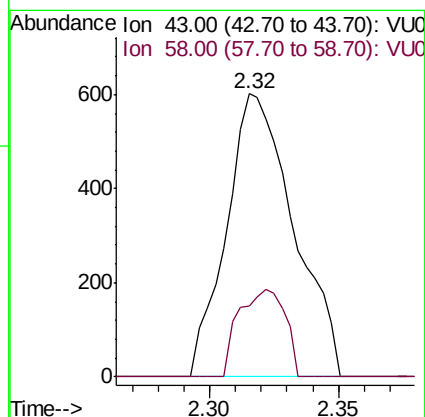
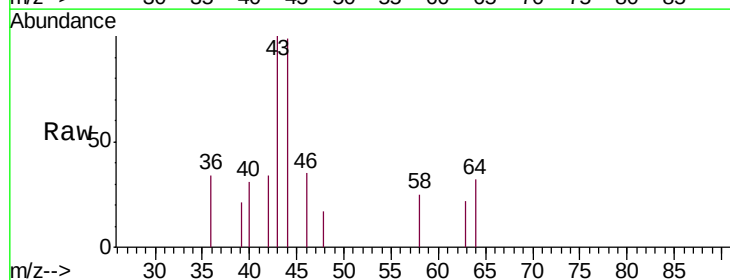
Acq: 24 Jun 2019 11:18

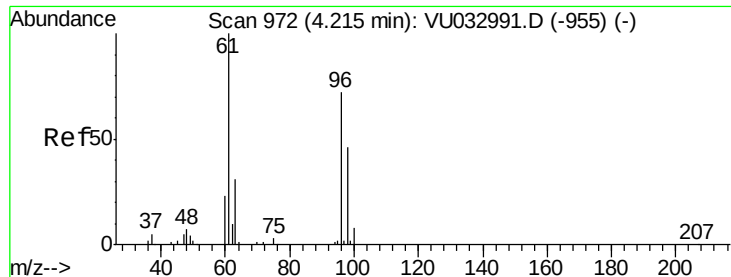
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

58 21.3 0.0 60.6

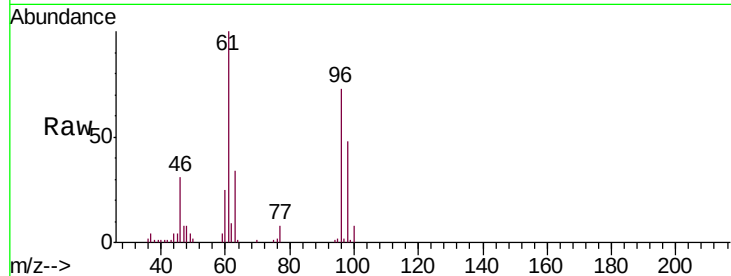




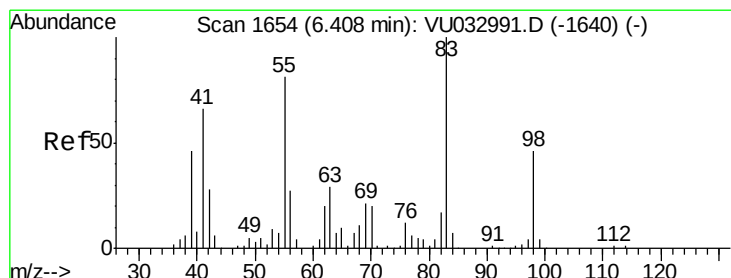
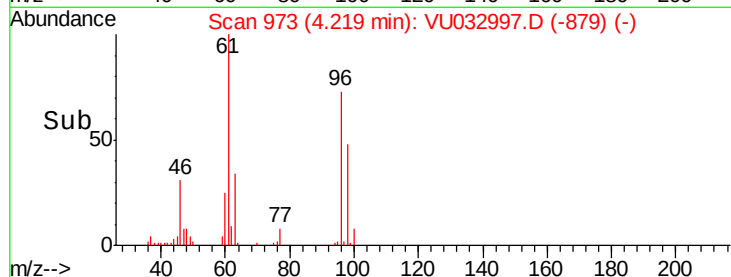
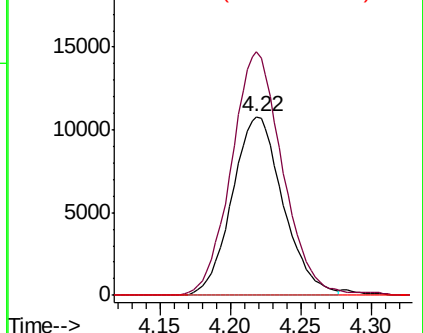
#20
 cis-1,2-Dichloroethene
 Concen: 18.371 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032997.D
 Acq: 24 Jun 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF24

Tgt Ion: 96 Resp: 27217
 Ion Ratio Lower Upper
 96 100
 61 136.1 92.4 171.6
 68 0.0 0.0 0.0

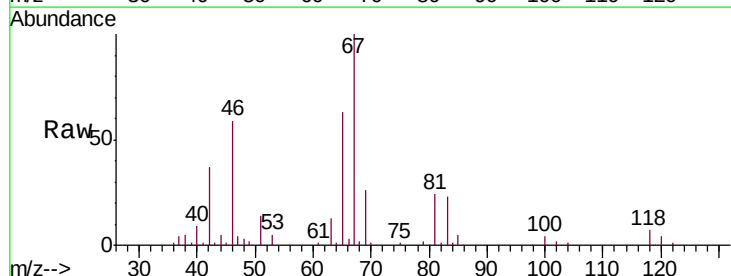


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

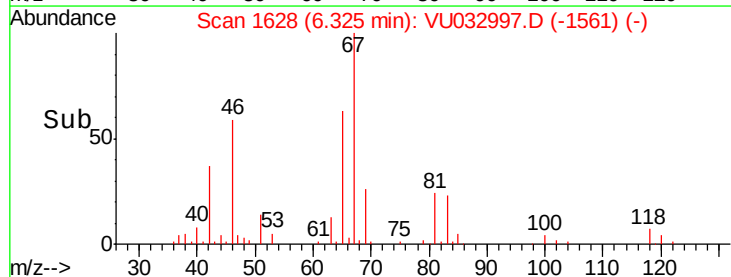
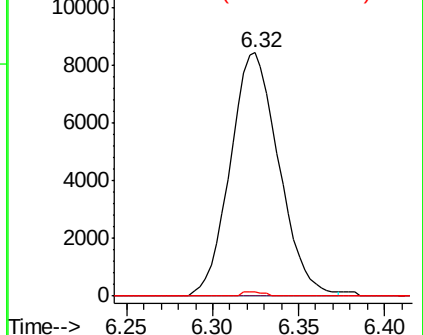


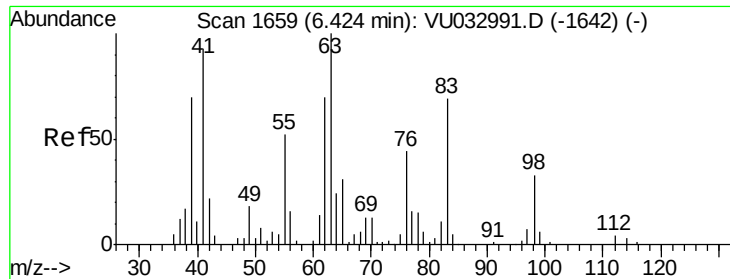
#35
 Methylcyclohexane
 Concen: 7.077 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032997.D
 Acq: 24 Jun 2019 11:18

Tgt Ion: 83 Resp: 16583
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.6 94.0#
 98 0.8 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

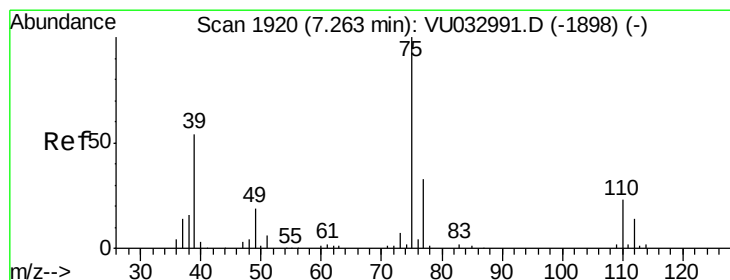
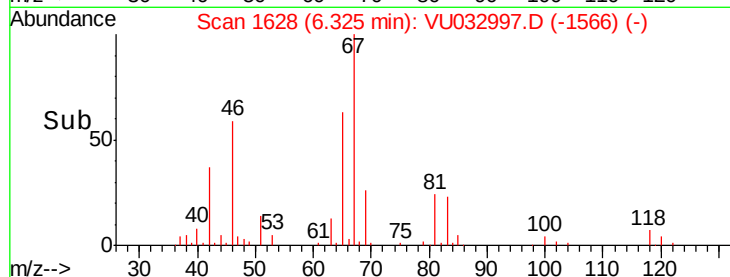
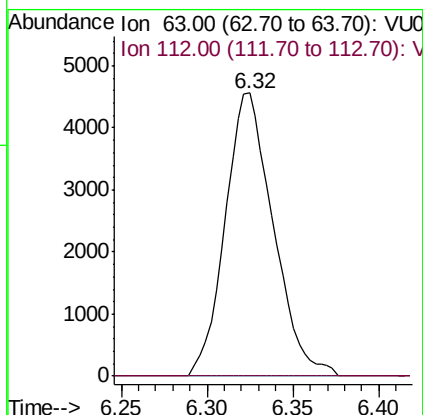
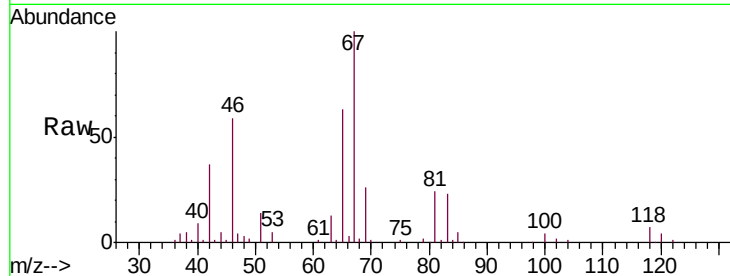




#37
 1,2-Dichloropropane
 Concen: 5.693 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032997.D
 Acq: 24 Jun 2019 11:18

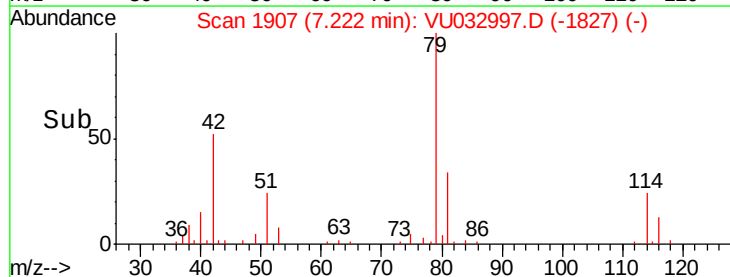
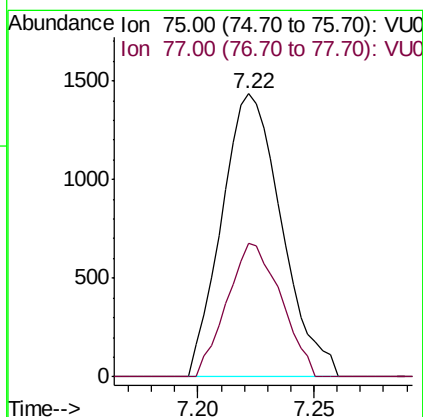
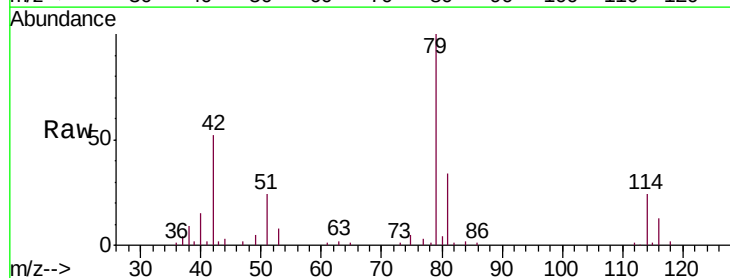
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF24

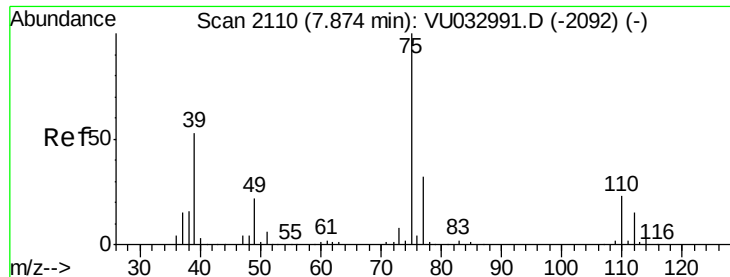
Tgt Ion: 63 Resp: 8860
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.063 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032997.D
 Acq: 24 Jun 2019 11:18

Tgt Ion: 75 Resp: 2577
 Ion Ratio Lower Upper
 75 100
 77 47.3 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.687 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032997.D

Acq: 24 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

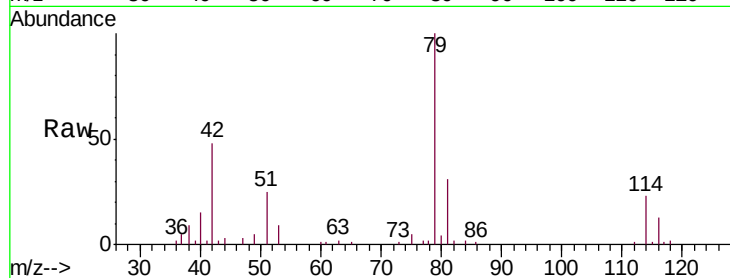
ETF24

Tgt Ion: 75 Resp: 1565

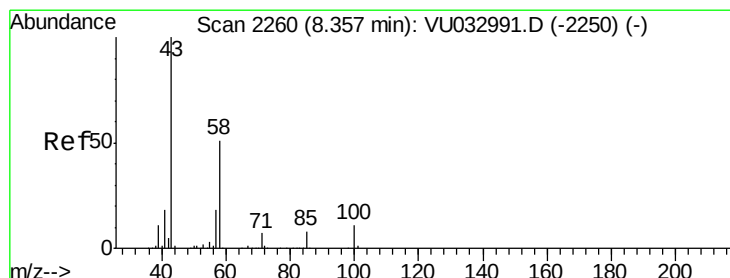
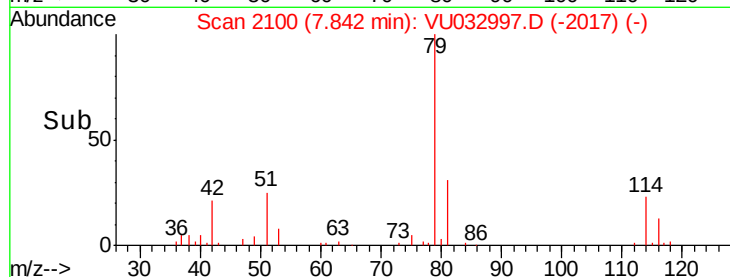
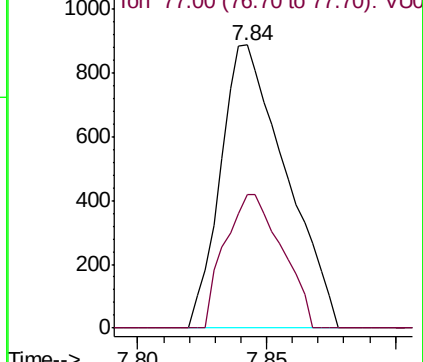
Ion Ratio Lower Upper

75 100

77 47.2 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU032997.D (-2100) (-)



#48

2-Hexanone

Concen: 1.004 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU032997.D

Acq: 24 Jun 2019 11:18

Tgt Ion: 43 Resp: 2200

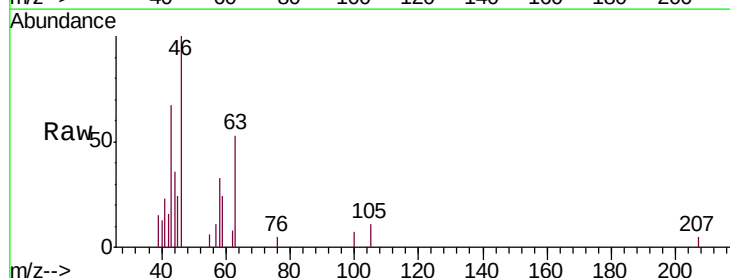
Ion Ratio Lower Upper

43 100

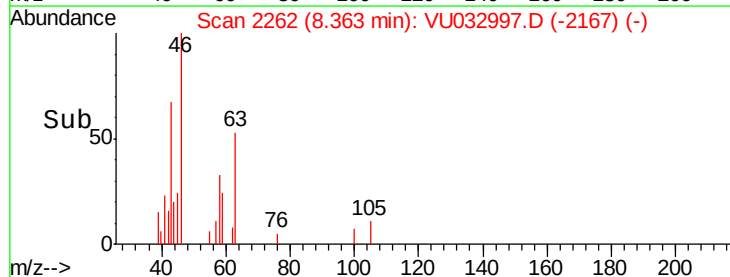
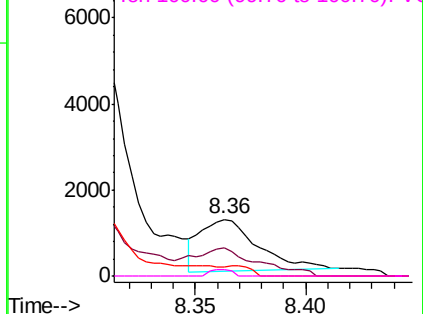
58 50.0 40.2 60.2

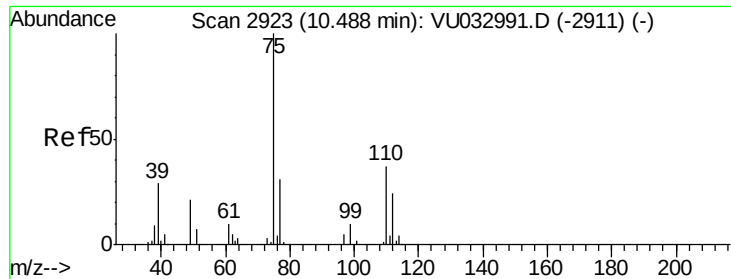
57 0.0 14.2 21.4#

100 4.7 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU032997.D (-2260) (-)





#59

1,2,3-Trichloropropane

Concen: 5.782 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032997.D

Acq: 24 Jun 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

ETF24

Tgt Ion: 75 Resp: 12008

Ion Ratio Lower Upper

75 100

77 38.1 25.5 38.3

