

Data File : VU032973.D
Acq On : 22 Jun 2019 02:22
Operator : JC/SP
Sample : K3464-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF45

Quant Time: Jun 22 02:53:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90660	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50593	38.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.06%
7) Chloroethane-d5	1.68	69	44835	42.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.50%
11) 1,1-Dichloroethene-d2	2.26	63	81474	30.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.80%
21) 2-Butanone-d5	4.17	46	119254	107.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.69%
24) Chloroform-d	4.64	84	120408	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
26) 1,2-Dichloroethane-d4	5.30	65	85760	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
32) Benzene-d6	5.33	84	224834	45.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.42%
36) 1,2-Dichloropropane-d6	6.32	67	75501	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.56	98	200646	43.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.16%
43) trans-1,3-Dichloropropene-	7.85	79	34410	41.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.50%
47) 2-Hexanone-d5	8.31	63	71641	96.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.85%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115146	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	82815	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

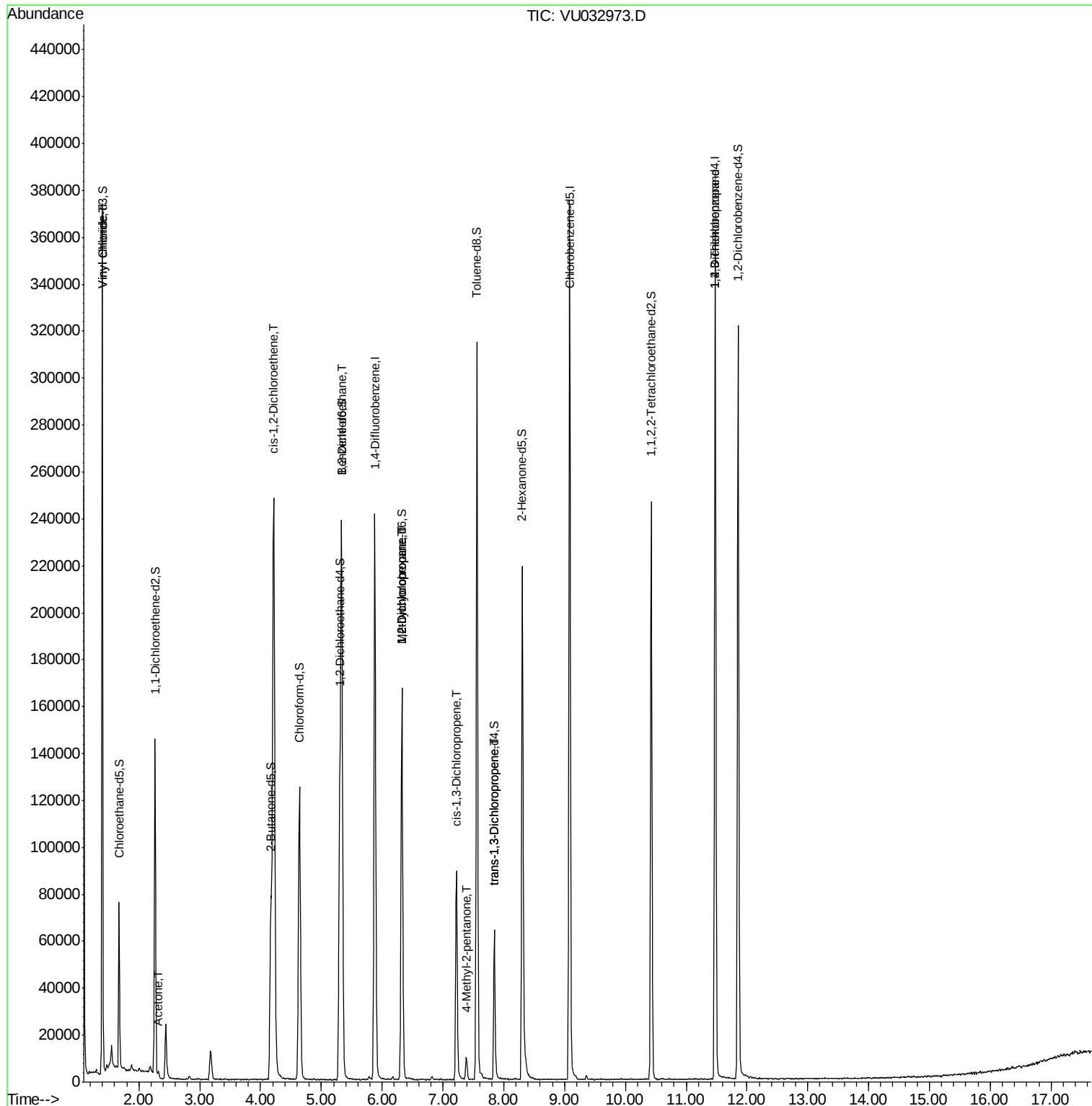
					Qvalue
5) Vinyl chloride	1.40	62	174222	98.549 ug/L	99
13) Acetone	2.32	43	2182	1.427 ug/L	90
20) cis-1,2-Dichloroethene	4.22	96	129261	89.250 ug/L	93
27) 1,2-Dichloroethane	5.33	62	1389	0.647 ug/L #	77
35) Methylcyclohexane	6.32	83	17286	7.616 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9505	6.305 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2208	0.940 ug/L #	63
40) 4-Methyl-2-pentanone	7.39	43	4665	1.938 ug/L #	46
44) trans-1,3-Dichloropropene	7.84	75	1826	0.828 ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	12086	6.007 ug/L	92

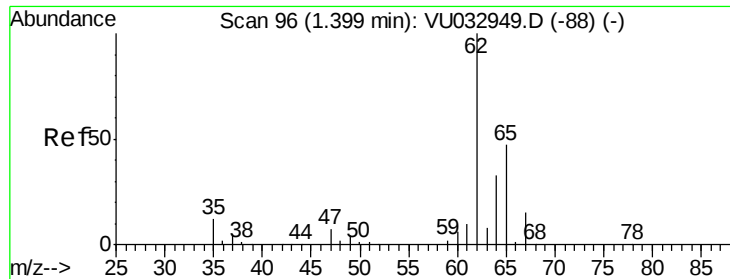
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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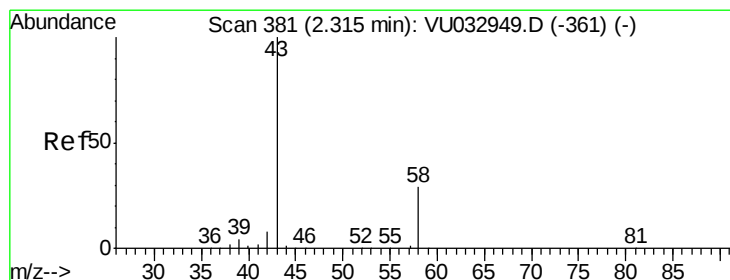
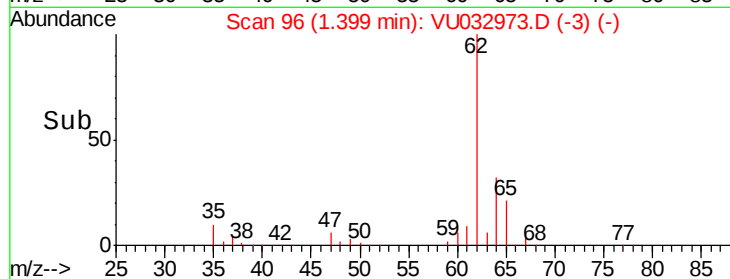
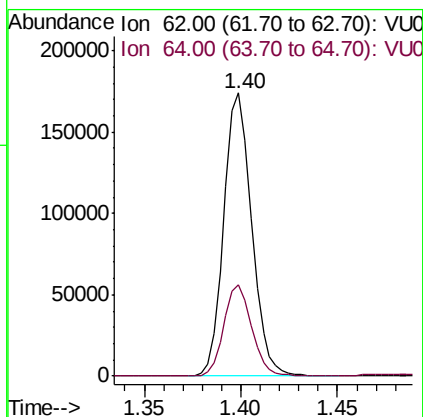
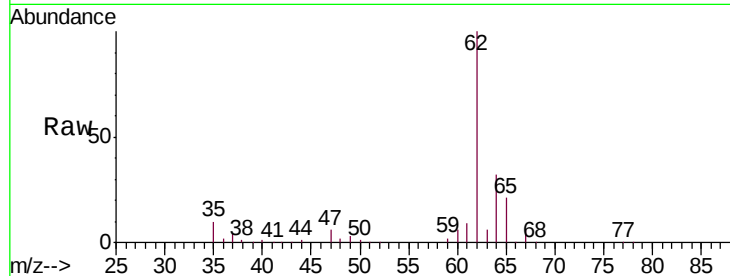




#5
 Vinyl chloride
 Concen: 98.549 ug/L
 RT: 1.40 min Scan# 96
 Delta R.T. 0.00 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

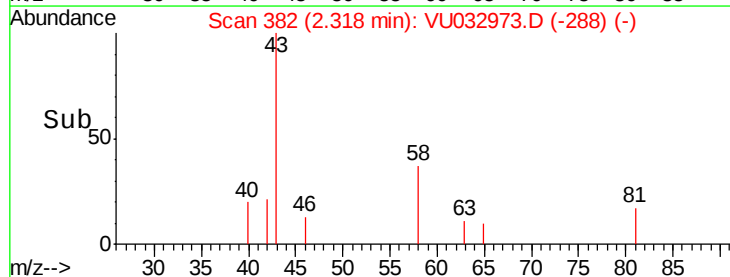
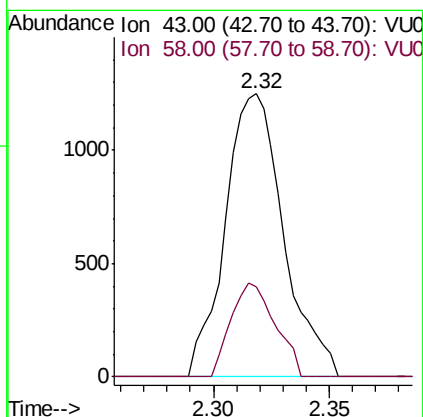
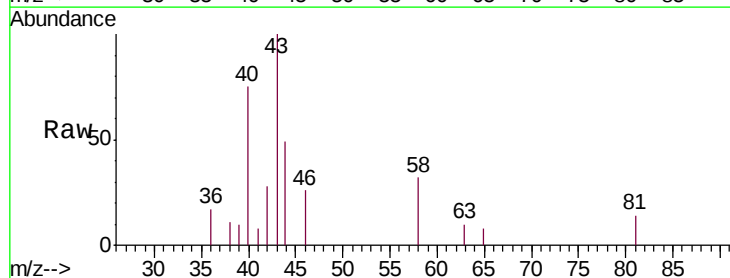
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF45

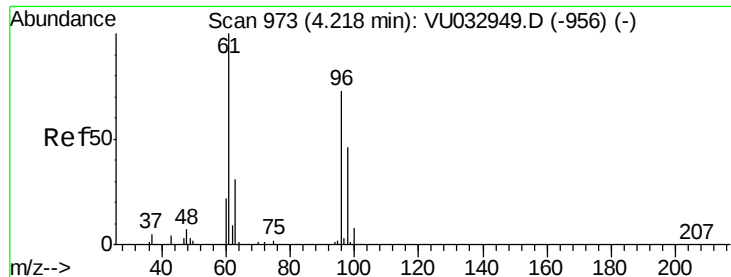
Tgt Ion: 62 Resp: 174222
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.0 42.6



#13
 Acetone
 Concen: 1.427 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

Tgt Ion: 43 Resp: 2182
 Ion Ratio Lower Upper
 43 100
 58 25.1 0.0 60.6



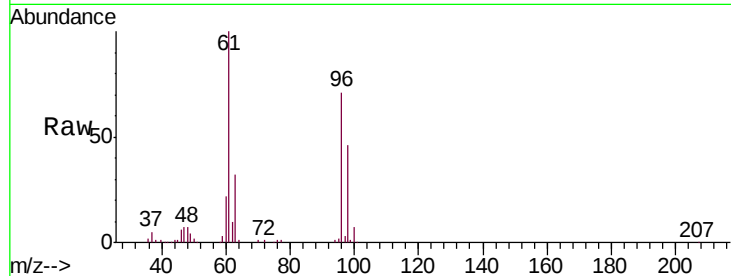


#20

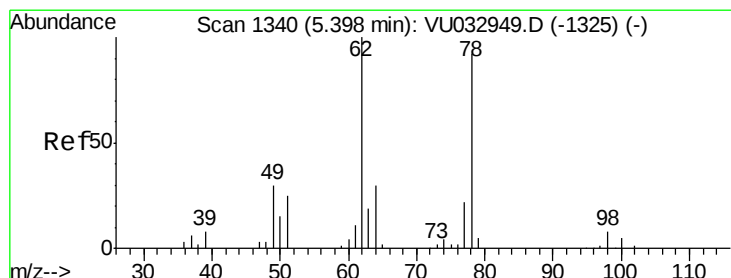
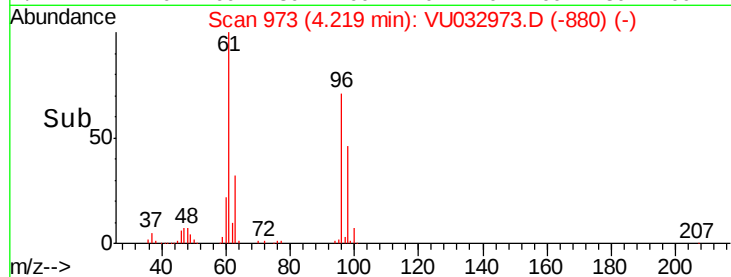
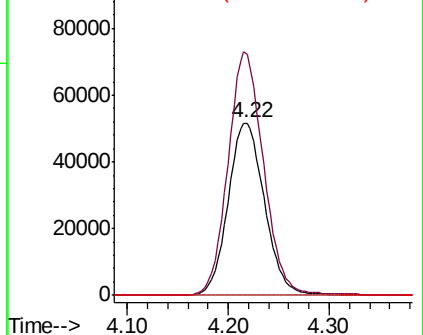
cis-1,2-Dichloroethene
 Concen: 89.250 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF45

Tgt Ion: 96 Resp: 129261
 Ion Ratio Lower Upper
 96 100
 61 140.3 92.4 171.6
 68 0.0 0.0 0.0



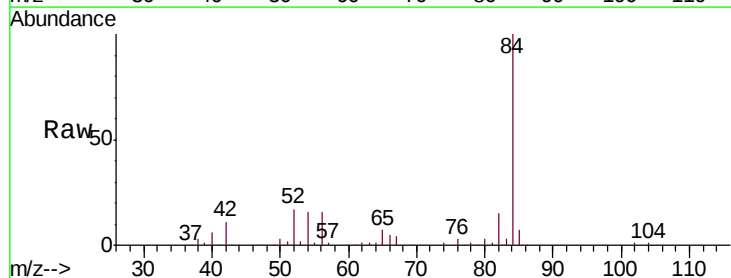
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



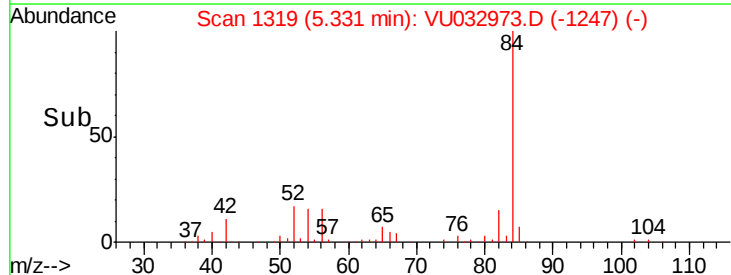
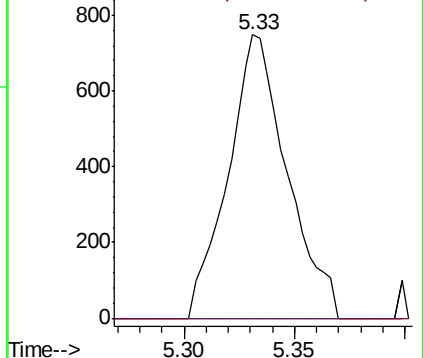
#27

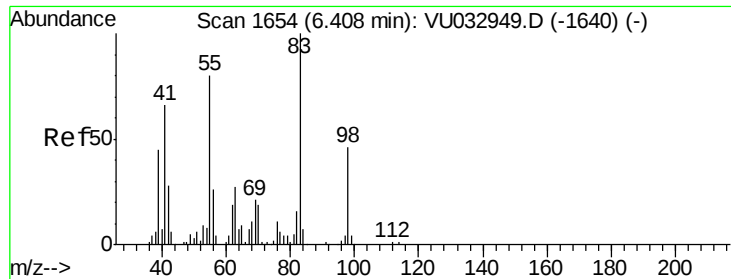
1,2-Dichloroethane
 Concen: 0.647 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.07 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

Tgt Ion: 62 Resp: 1389
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

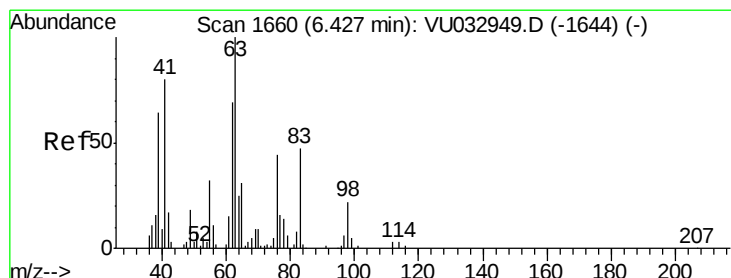
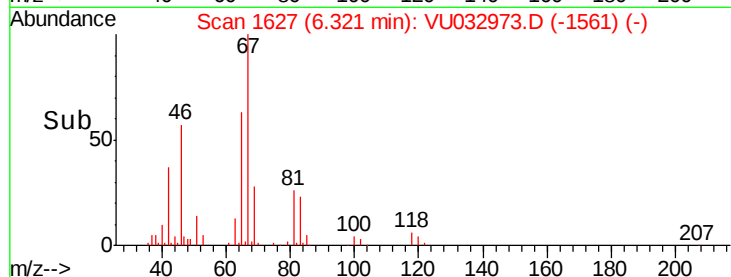
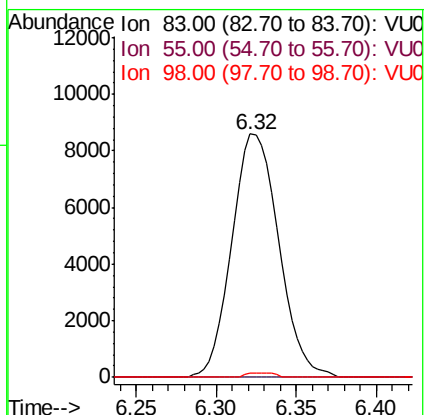
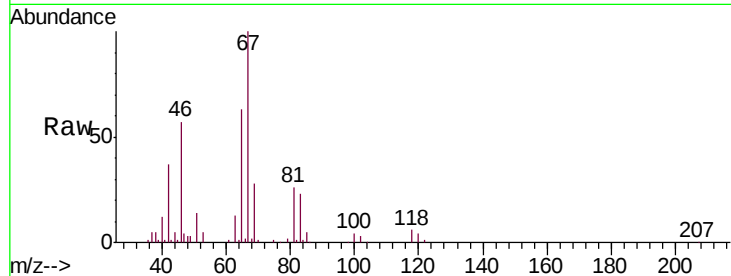




#35
Methylcyclohexane
Concen: 7.616 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU032973.D
Acq: 22 Jun 2019 02:22

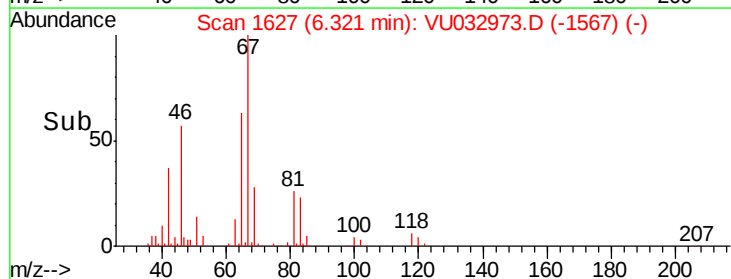
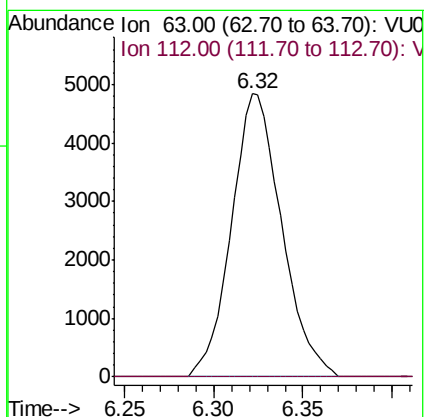
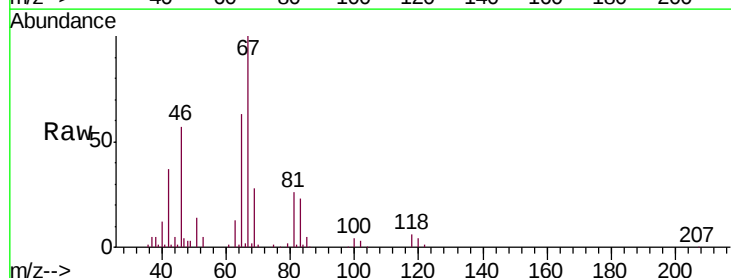
Instrument :
MSVOA_U
ClientSampleId :
ETF45

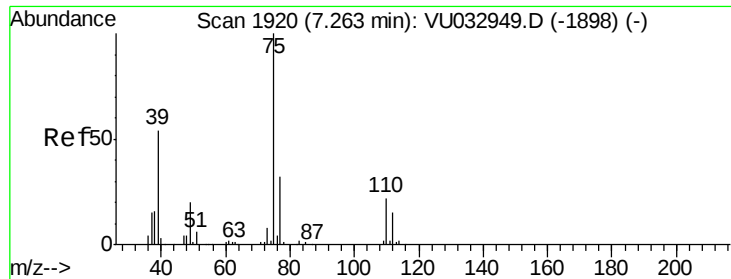
Tgt Ion: 83 Resp: 17286
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.1 37.4 56.0#



#37
1,2-Dichloropropane
Concen: 6.305 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VU032973.D
Acq: 22 Jun 2019 02:22

Tgt Ion: 63 Resp: 9505
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

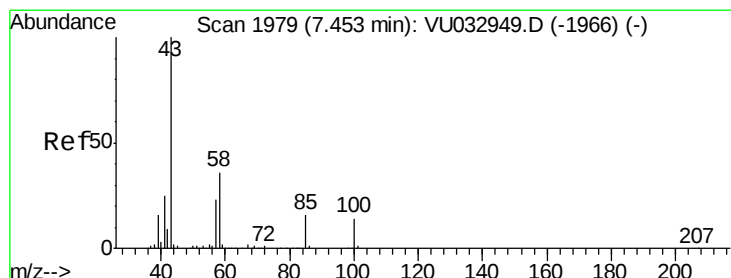
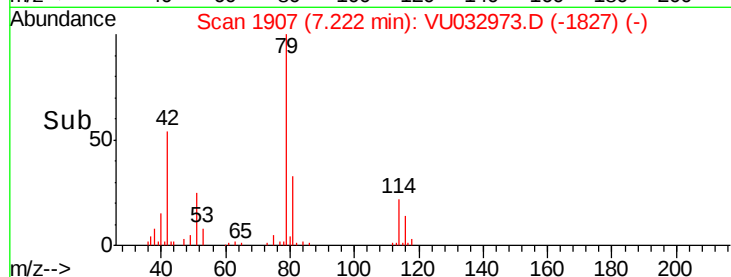
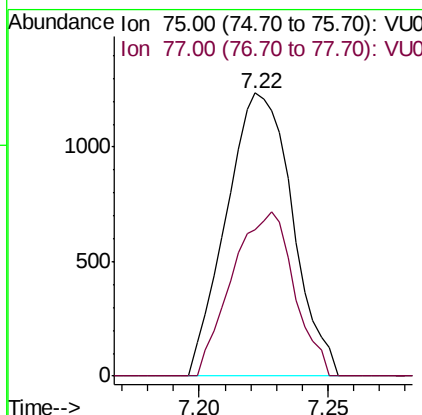
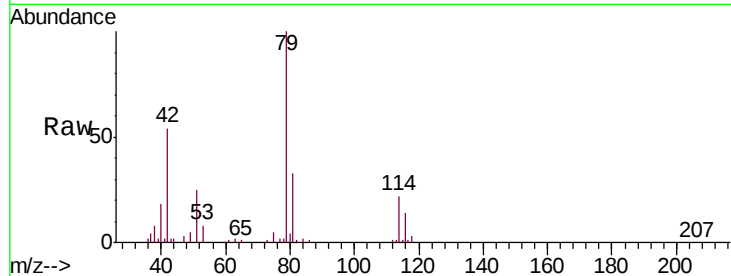




#39
 cis-1,3-Dichloropropene
 Concen: 0.940 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

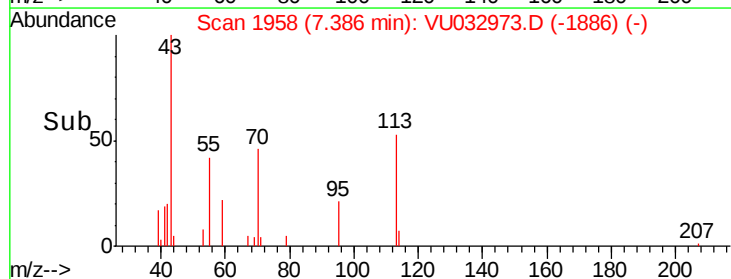
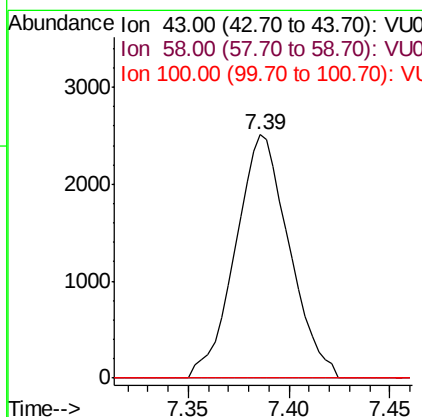
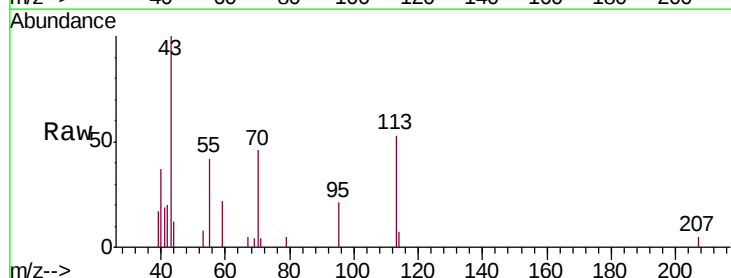
Instrument :
 MSVOA_U
 ClientSampled :
 ETF45

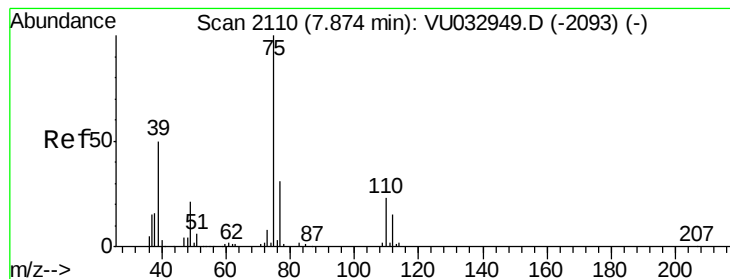
Tgt Ion: 75 Resp: 2208
 Ion Ratio Lower Upper
 75 100
 77 51.7 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 1.938 ug/L
 RT: 7.39 min Scan# 1958
 Delta R.T. -0.07 min
 Lab File: VU032973.D
 Acq: 22 Jun 2019 02:22

Tgt Ion: 43 Resp: 4665
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#
 100 0.0 11.2 16.8#





#44

trans-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032973.D

Acq: 22 Jun 2019 02:22

Instrument :

MSVOA_U

ClientSampleId :

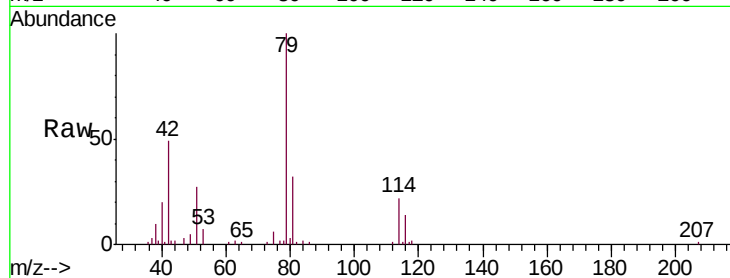
ETF45

Tgt Ion: 75 Resp: 1826

Ion Ratio Lower Upper

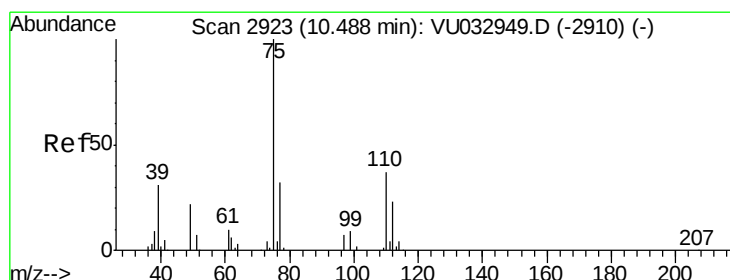
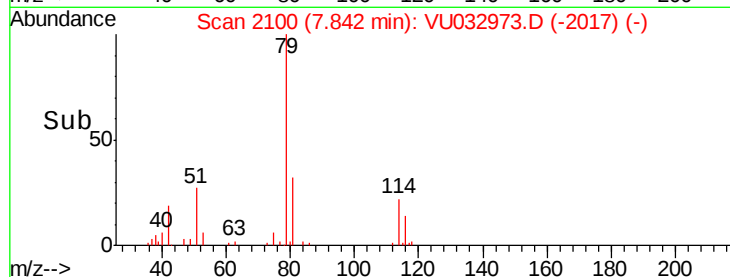
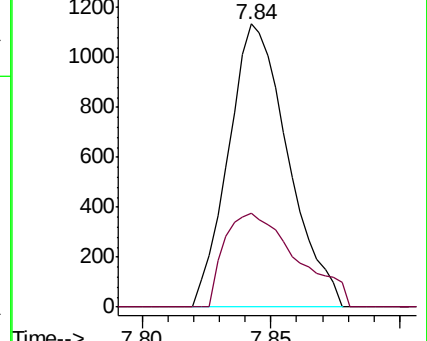
75 100

77 33.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 6.007 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032973.D

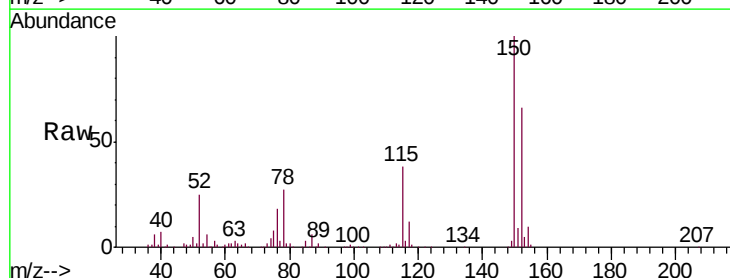
Acq: 22 Jun 2019 02:22

Tgt Ion: 75 Resp: 12086

Ion Ratio Lower Upper

75 100

77 36.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

