

Data File : VU032965.D
Acq On : 21 Jun 2019 23:18
Operator : JC/SP
Sample : K3463-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF36

Quant Time: Jun 22 02:00:58 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	190334	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88447	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44999	34.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.18%
7) Chloroethane-d5	1.68	69	41656	40.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.30%
11) 1,1-Dichloroethene-d2	2.26	63	73530	28.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.12%#
21) 2-Butanone-d5	4.17	46	121406	112.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.64	84	113164	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.30	65	81845	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
32) Benzene-d6	5.33	84	208833	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
36) 1,2-Dichloropropane-d6	6.32	67	71822	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.52%
41) Toluene-d8	7.56	98	184839	40.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	7.85	79	32779	40.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.18%
47) 2-Hexanone-d5	8.31	63	71364	98.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.44%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	111263	46.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	77795	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%

Target Compounds

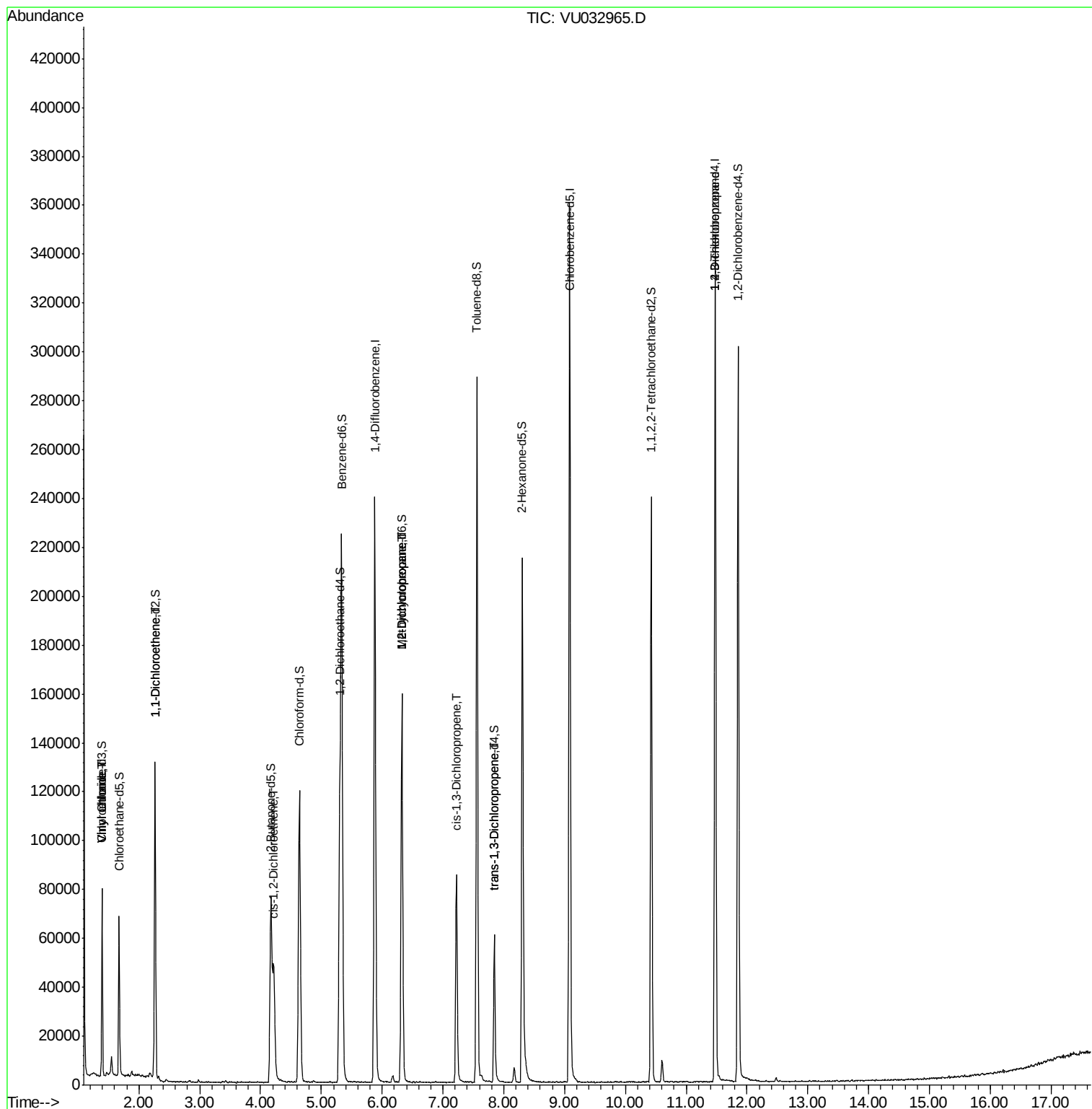
						Qvalue
5) Vinyl chloride	1.40	62	1146	0.663	ug/L #	27
8) Chloroethane	1.40	64	1019	1.024	ug/L #	1
12) 1,1-Dichloroethene	2.27	96	854	0.713	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	21656	15.294	ug/L	93
35) Methylcyclohexane	6.32	83	16585	7.456	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8682	5.877	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2269	0.986	ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	1620	0.749	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	11109	5.635	ug/L	90

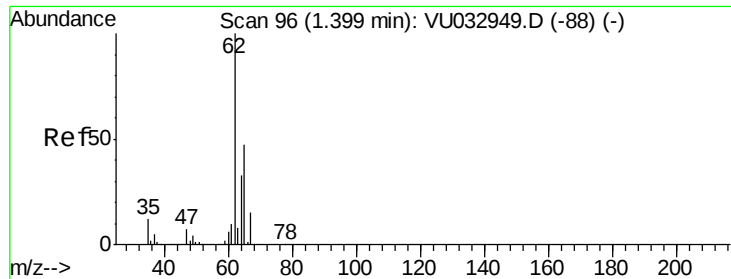
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.663 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032965.D

Acq: 21 Jun 2019 23:18

Instrument :

MSVOA_U

ClientSampled :

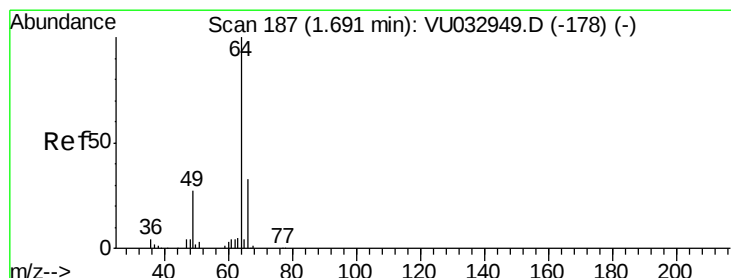
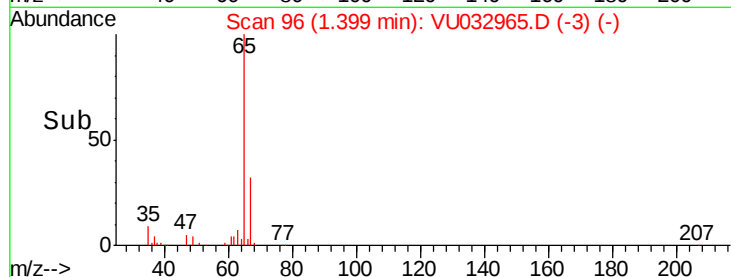
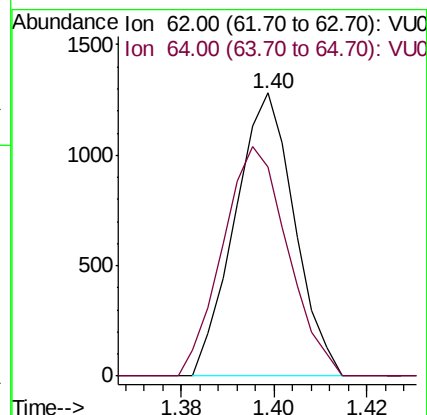
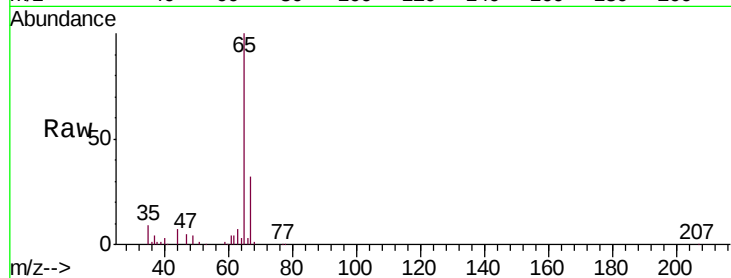
ETF36

Tgt Ion: 62 Resp: 1146

Ion Ratio Lower Upper

62 100

64 73.7 23.0 42.6#



#8

Chloroethane

Concen: 1.024 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032965.D

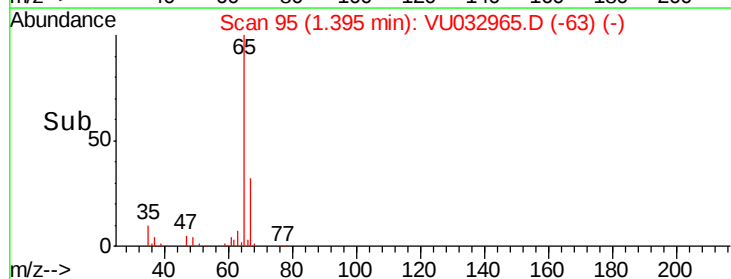
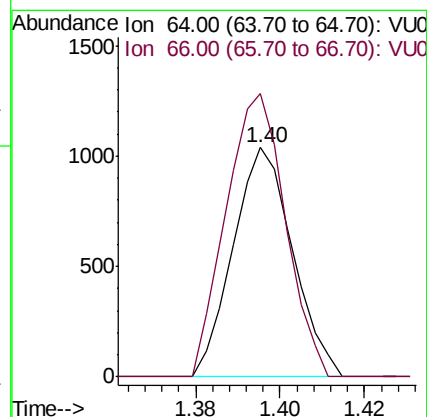
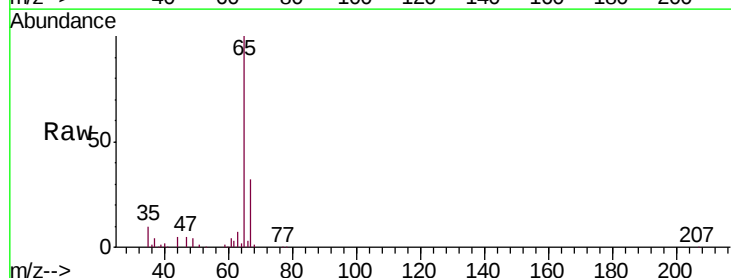
Acq: 21 Jun 2019 23:18

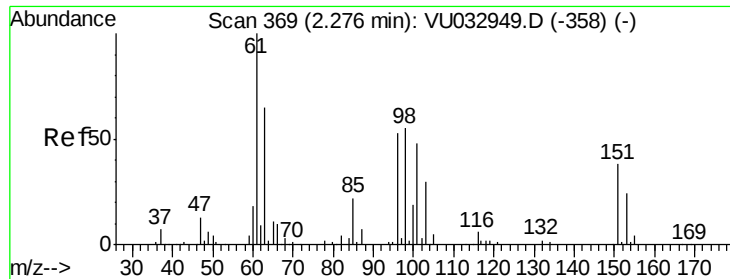
Tgt Ion: 64 Resp: 1019

Ion Ratio Lower Upper

64 100

66 123.4 22.5 41.7#





#12

1,1-Dichloroethene

Concen: 0.713 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032965.D

Acq: 21 Jun 2019 23:18

Instrument :

MSVOA_U

ClientSampled :

ETF36

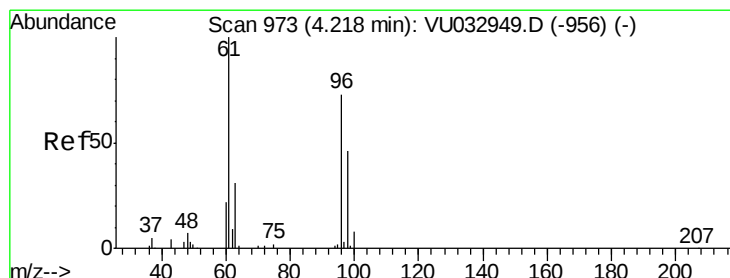
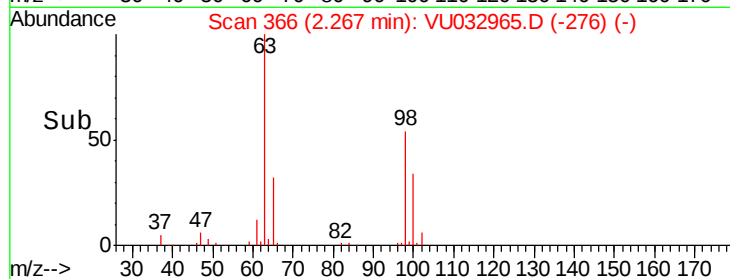
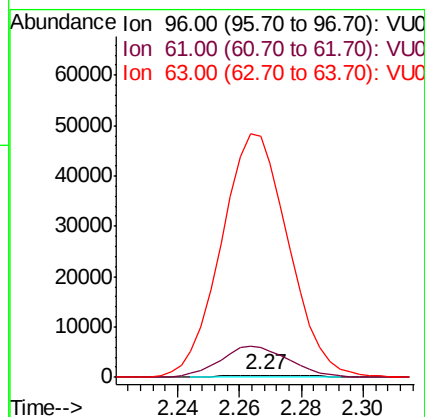
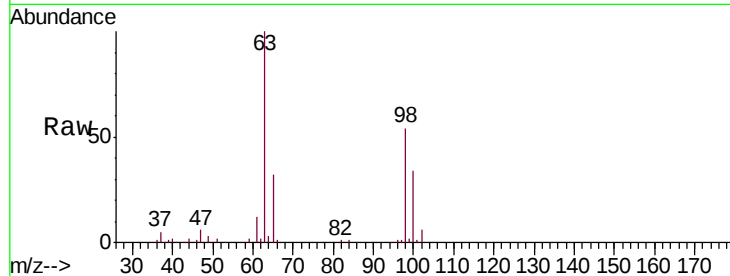
Tgt Ion: 96 Resp: 854

Ion Ratio Lower Upper

96 100

61 1285.2 131.0 243.4#

63 10367.0 101.0 187.6#



#20

cis-1,2-Dichloroethene

Concen: 15.294 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032965.D

Acq: 21 Jun 2019 23:18

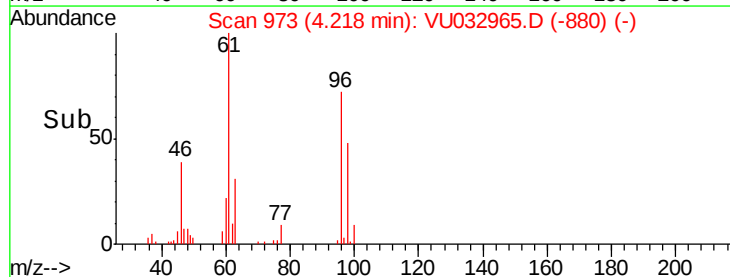
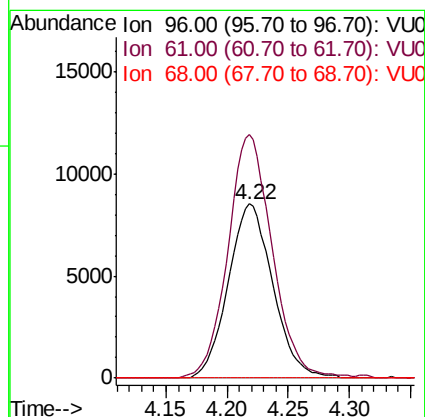
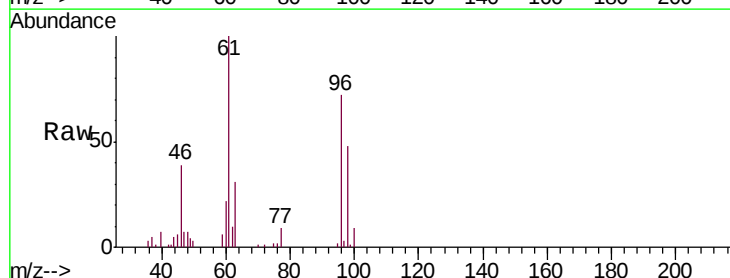
Tgt Ion: 96 Resp: 21656

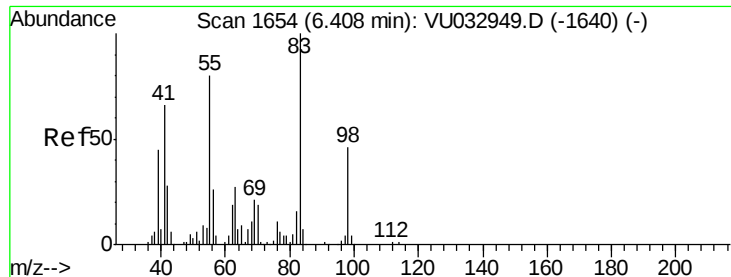
Ion Ratio Lower Upper

96 100

61 139.7 92.4 171.6

68 0.0 0.0 0.0





#35

Methylcyclohexane

Concen: 7.456 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032965.D

Acq: 21 Jun 2019 23:18

Instrument :

MSVOA_U

ClientSampled :

ETF36

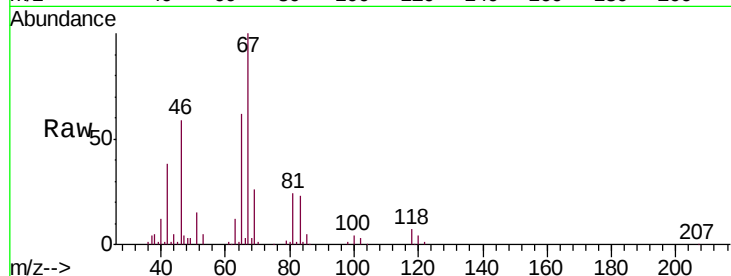
Tgt Ion: 83 Resp: 16585

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

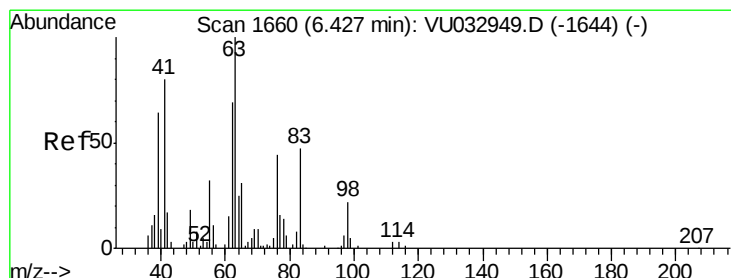
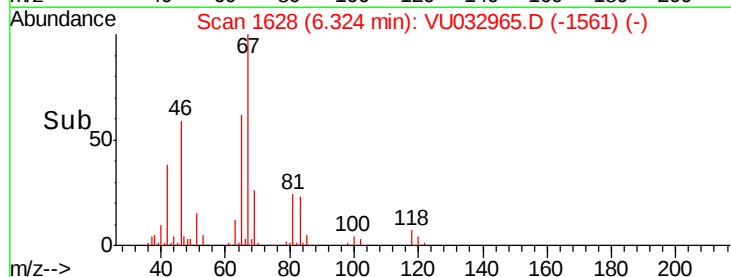
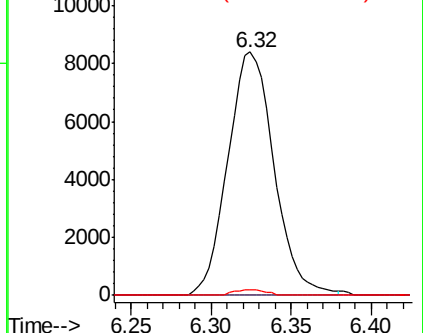
98 1.6 37.4 56.0#



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: 5.877 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032965.D

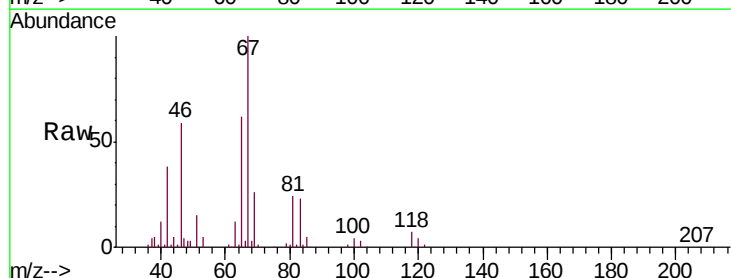
Acq: 21 Jun 2019 23:18

Tgt Ion: 63 Resp: 8682

Ion Ratio Lower Upper

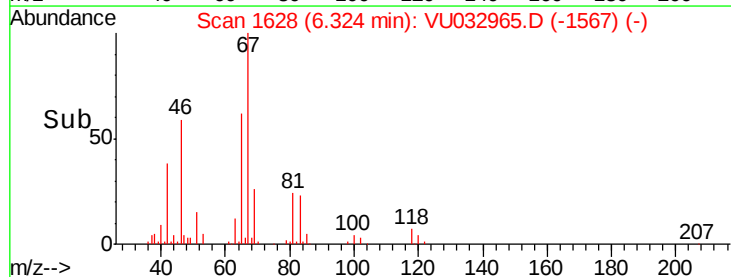
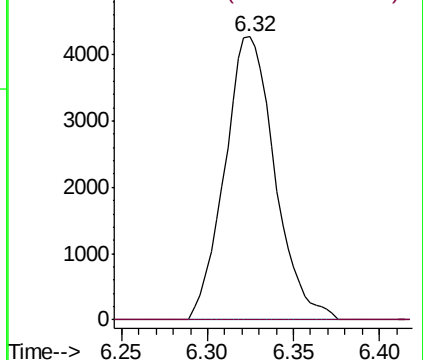
63 100

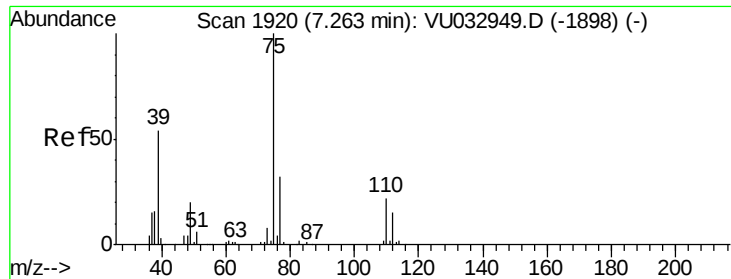
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



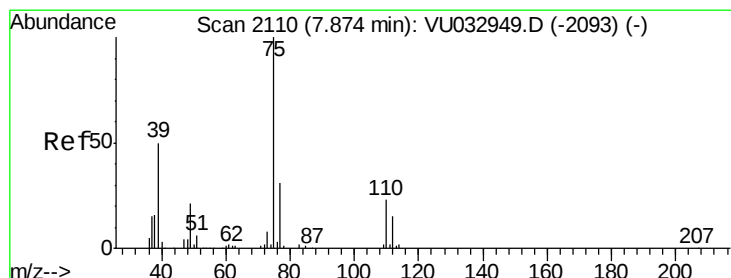
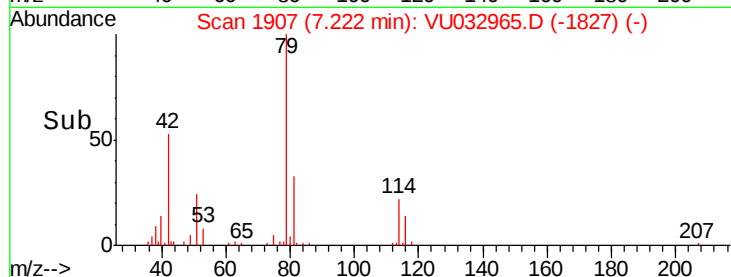
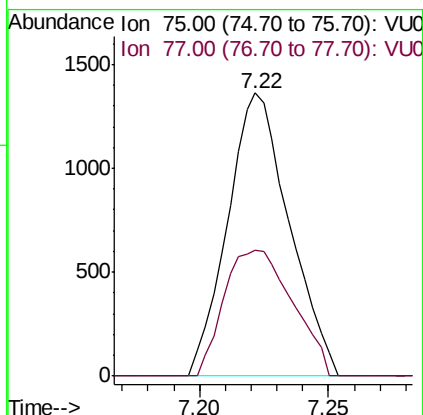
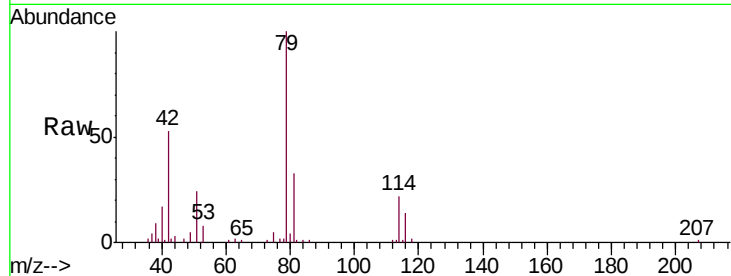


#39

cis-1,3-Dichloropropene
Concen: 0.986 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032965.D
Acq: 21 Jun 2019 23:18

Instrument :
MSVOA_U
ClientSampleId :
ETF36

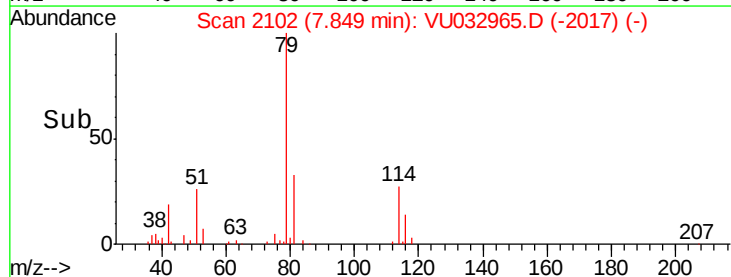
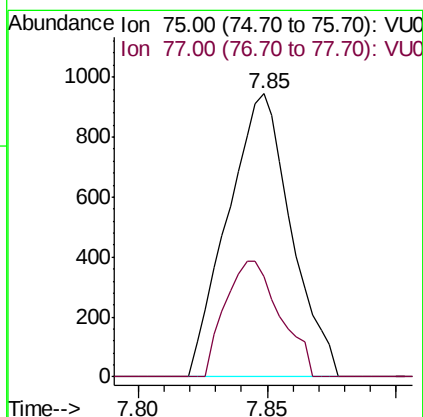
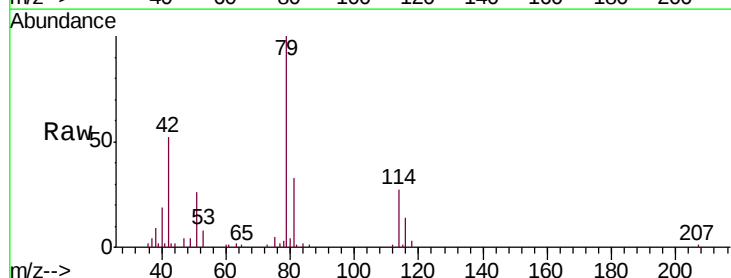
Tgt Ion: 75 Resp: 2269
Ion Ratio Lower Upper
75 100
77 44.6 21.9 40.7#

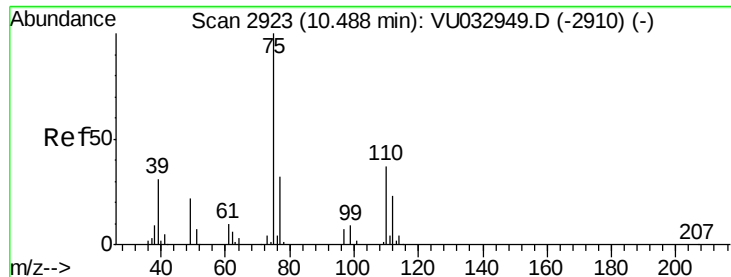


#44

trans-1,3-Dichloropropene
Concen: 0.749 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU032965.D
Acq: 21 Jun 2019 23:18

Tgt Ion: 75 Resp: 1620
Ion Ratio Lower Upper
75 100
77 35.6 21.8 40.4





#59

1,2,3-Trichloropropane

Concen: 5.635 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032965.D

Acq: 21 Jun 2019 23:18

Instrument :

MSVOA_U

ClientSampleId :

ETF36

Tgt Ion: 75 Resp: 11109

Ion Ratio Lower Upper

75 100

77 37.3 25.5 38.3

