

Data File : VU032970.D
Acq On : 22 Jun 2019 01:13
Operator : JC/SP
Sample : K3464-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF38

Quant Time: Jun 22 02:53:35 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	190614	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187815	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88982	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50599	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.68%
7) Chloroethane-d5	1.68	69	44865	43.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.36%
11) 1,1-Dichloroethene-d2	2.26	63	81631	31.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.22%
21) 2-Butanone-d5	4.17	46	120795	111.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.41%
24) Chloroform-d	4.64	84	121239	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.30	65	86421	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.46%
32) Benzene-d6	5.33	84	228097	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.32	67	75717	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.10%
41) Toluene-d8	7.56	98	202556	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%
43) trans-1,3-Dichloropropene-	7.85	79	34886	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.00%
47) 2-Hexanone-d5	8.31	63	73331	100.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.69%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116039	48.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	84557	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%

Target Compounds

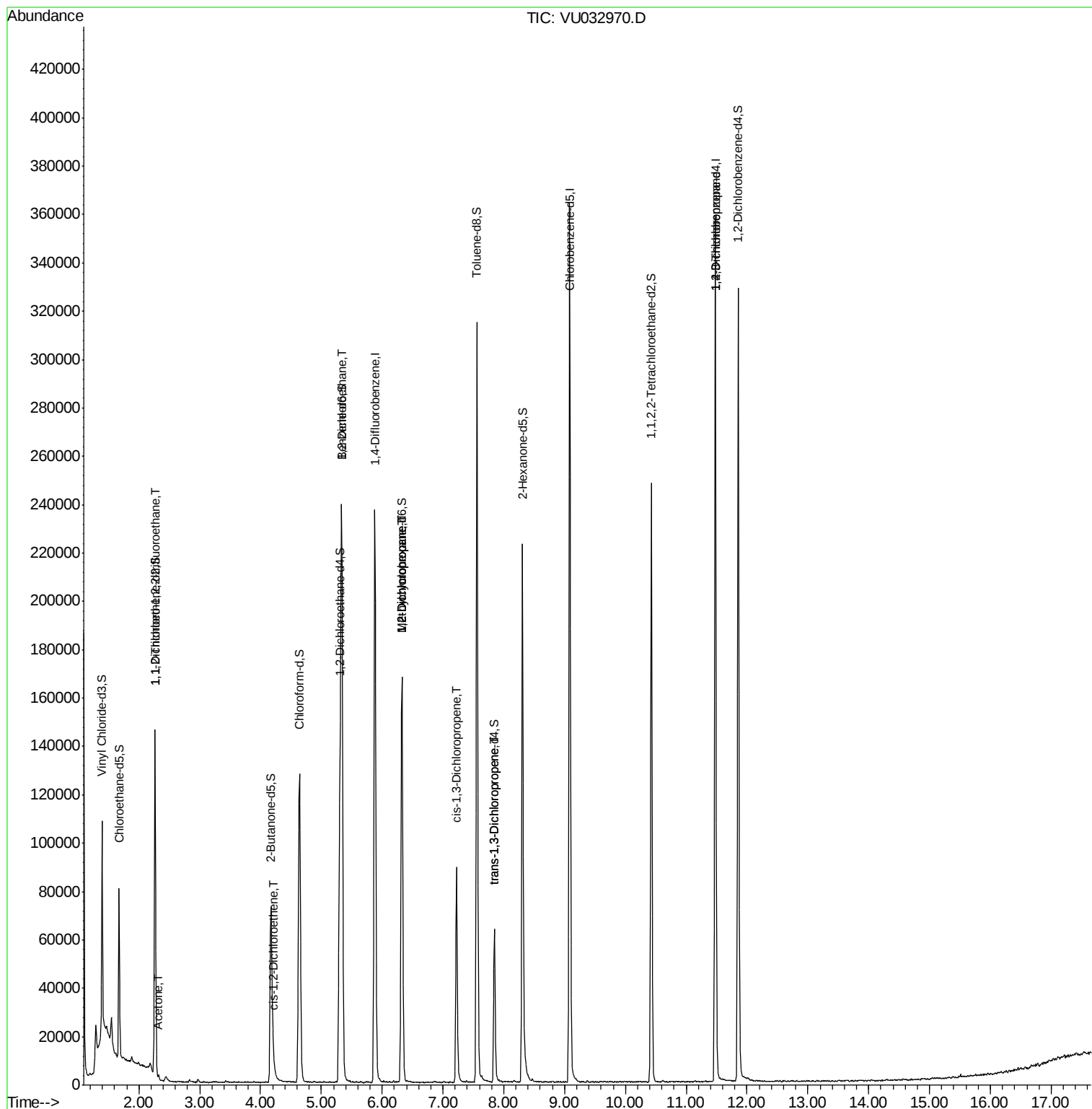
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	759	0.596	ug/L #	17
13) Acetone	2.32	43	1115	0.745	ug/L	74
20) cis-1,2-Dichloroethene	4.23	96	1346	0.949	ug/L	96
27) 1,2-Dichloroethane	5.34	62	1626	0.773	ug/L #	77
35) Methylcyclohexane	6.32	83	17487	7.826	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9163	6.174	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2487	1.076	ug/L #	69
44) trans-1,3-Dichloropropene	7.84	75	1714	0.789	ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	11461	5.787	ug/L	91

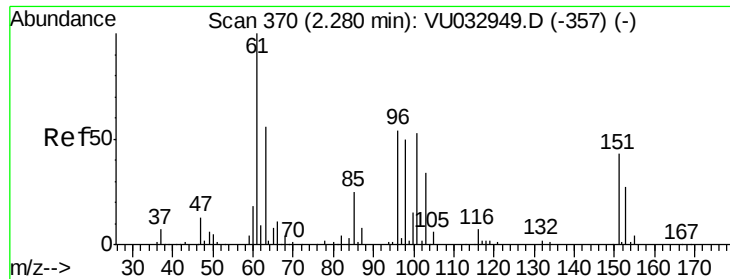
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.596 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032970.D

Acq: 22 Jun 2019 01:13

Instrument :

MSVOA_U

ClientSampled :

ETF38

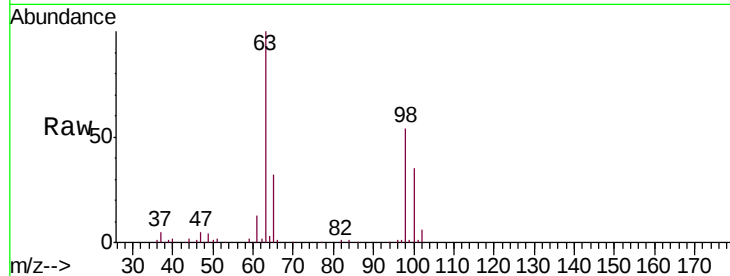
Tgt Ion:101 Resp: 759

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

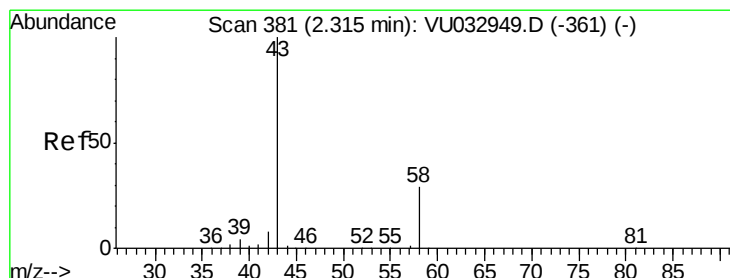
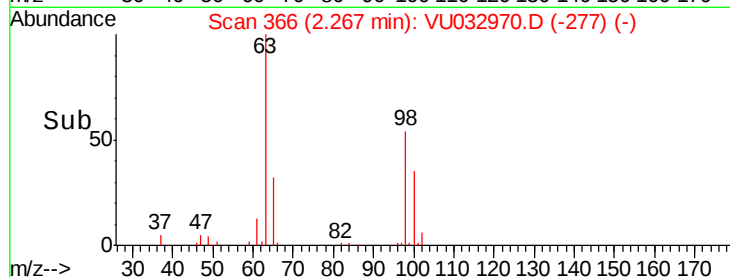
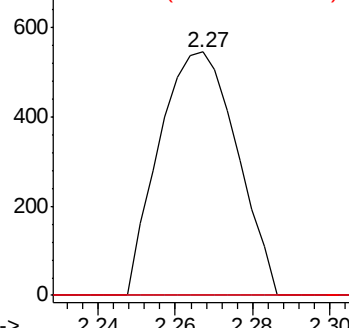
151 0.0 63.6 95.4#



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



#13

Acetone

Concen: 0.745 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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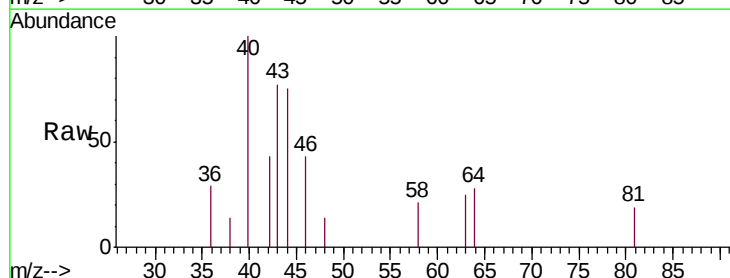
Acq: 22 Jun 2019 01:13

Tgt Ion: 43 Resp: 1115

Ion Ratio Lower Upper

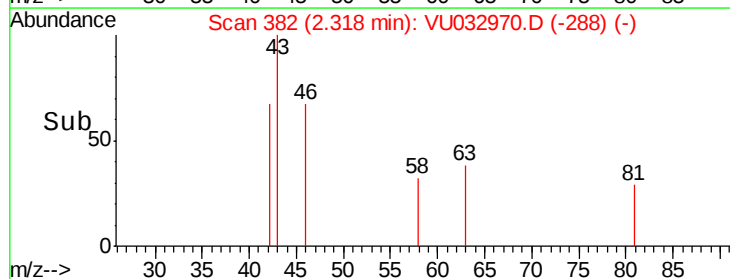
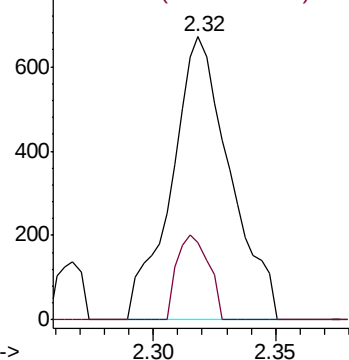
43 100

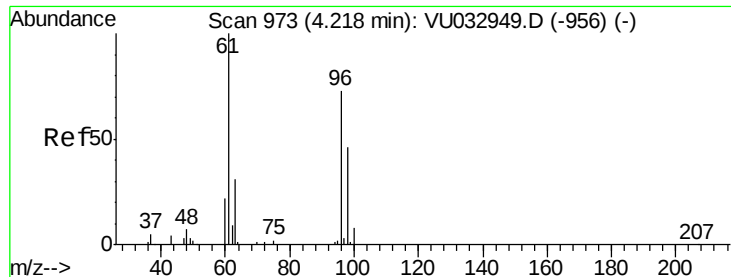
58 16.1 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



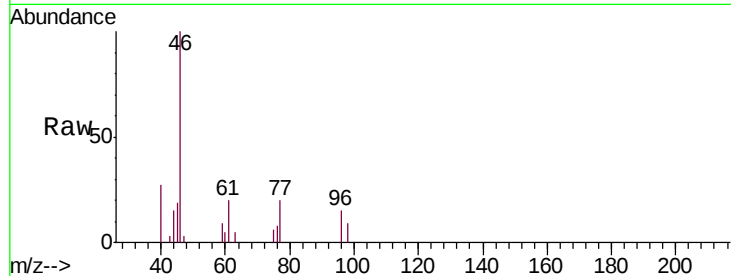


#20

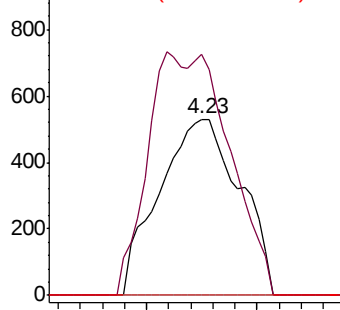
cis-1,2-Dichloroethene
 Concen: 0.949 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU032970.D
 Acq: 22 Jun 2019 01:13

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF38

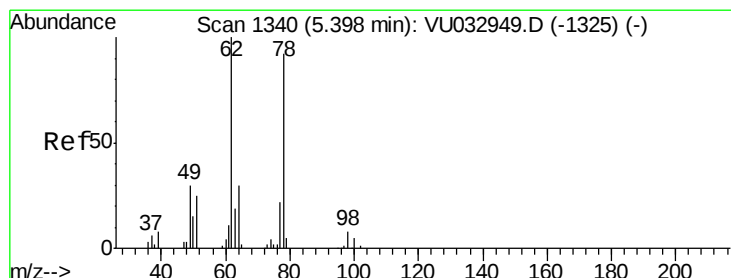
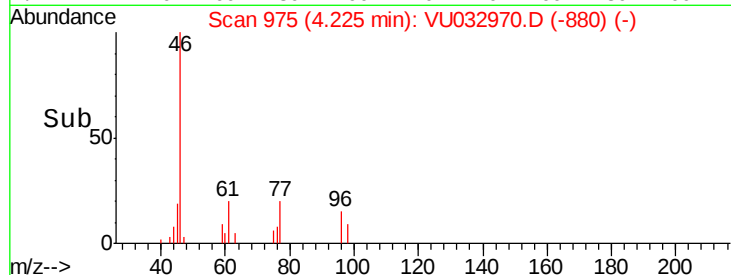
Tgt Ion: 96 Resp: 1346
 Ion Ratio Lower Upper
 96 100
 61 136.3 92.4 171.6
 68 0.0 0.0 0.0



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



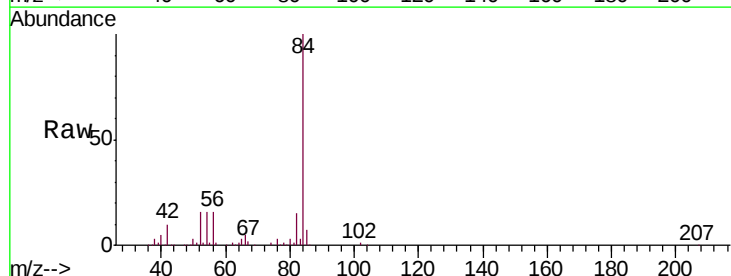
Time-->



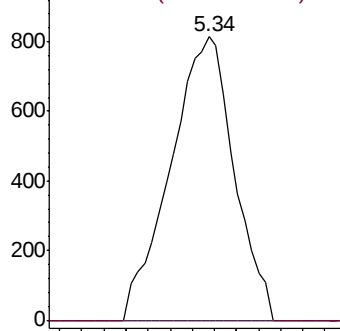
#27

1,2-Dichloroethane
 Concen: 0.773 ug/L
 RT: 5.34 min Scan# 1321
 Delta R.T. -0.06 min
 Lab File: VU032970.D
 Acq: 22 Jun 2019 01:13

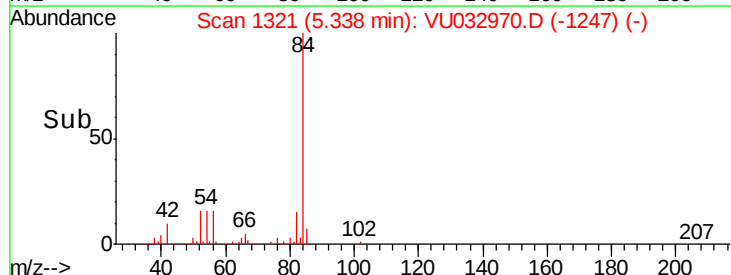
Tgt Ion: 62 Resp: 1626
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#

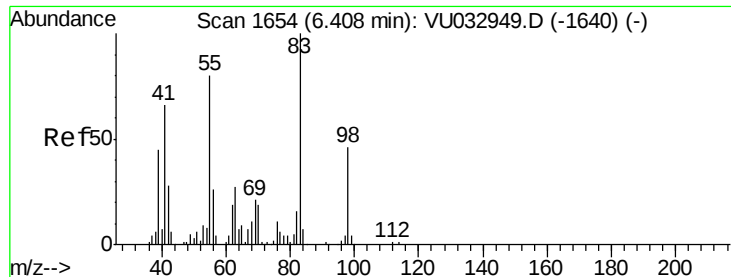


Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



Time-->

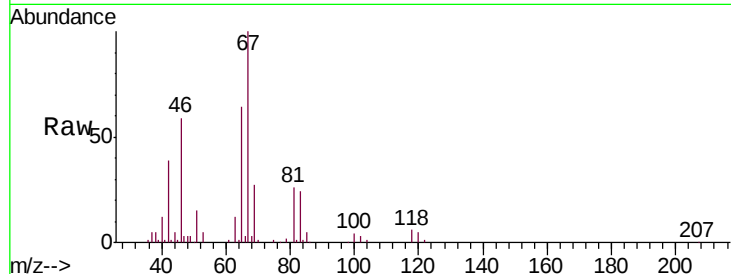




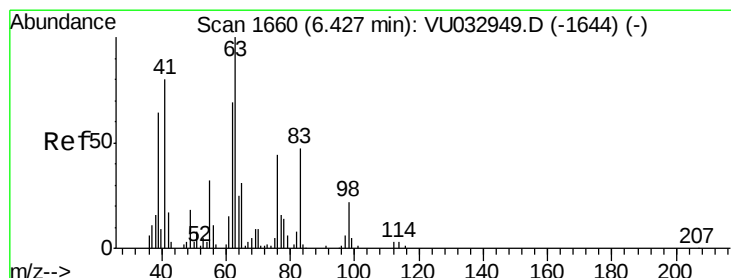
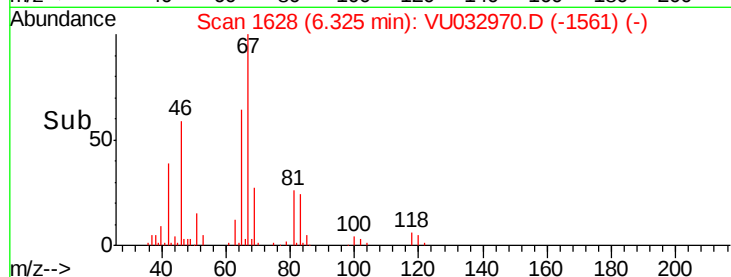
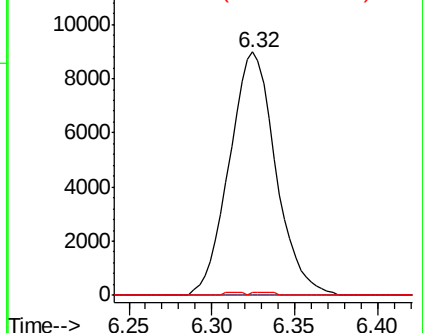
#35
Methylcyclohexane
Concen: 7.826 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032970.D
Acq: 22 Jun 2019 01:13

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 83 Resp: 17487
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.6 37.4 56.0#

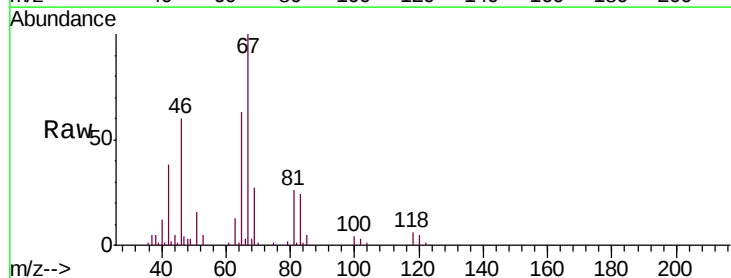


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

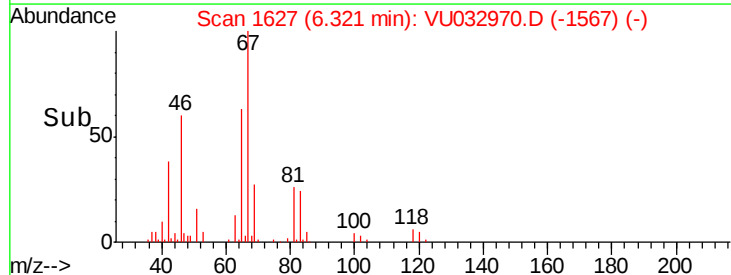
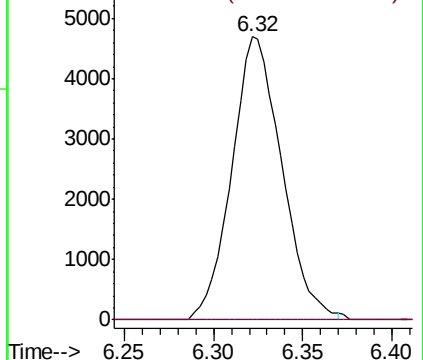


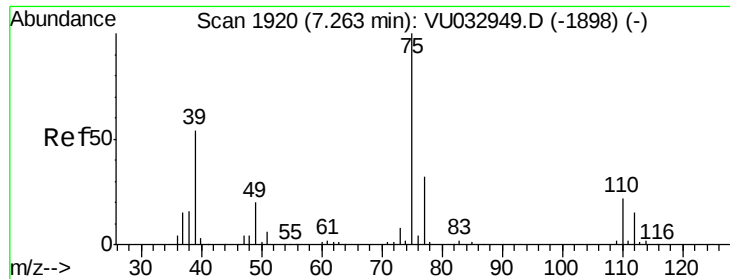
#37
1,2-Dichloropropane
Concen: 6.174 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VU032970.D
Acq: 22 Jun 2019 01:13

Tgt Ion: 63 Resp: 9163
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

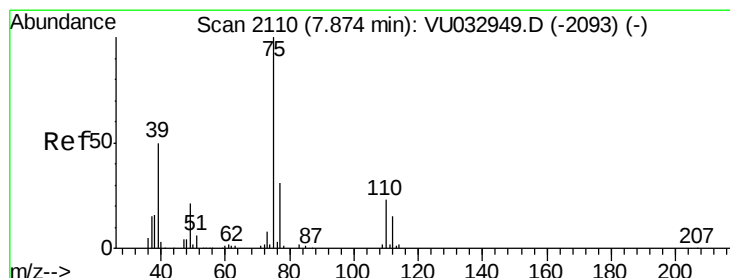
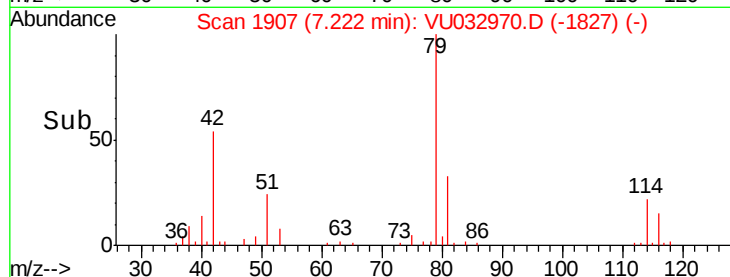
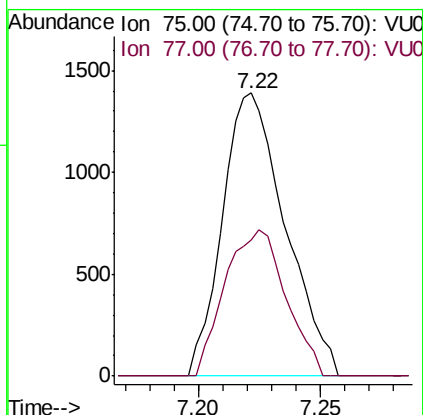
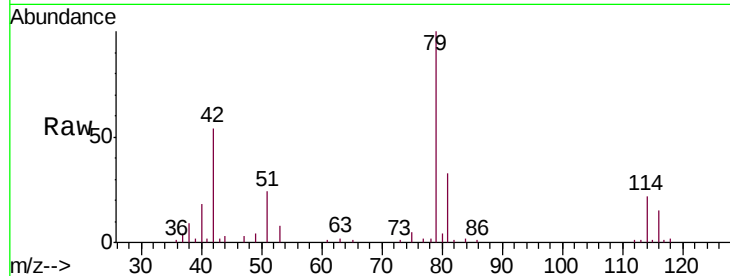




#39
 cis-1,3-Dichloropropene
 Concen: 1.076 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032970.D
 Acq: 22 Jun 2019 01:13

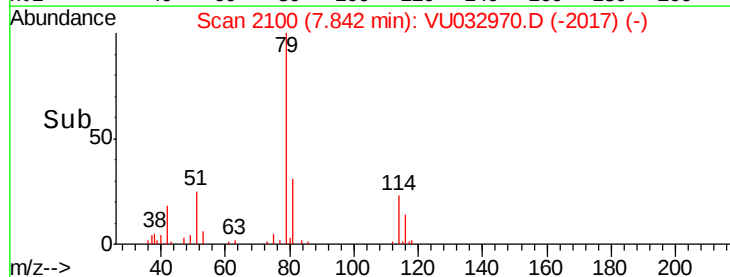
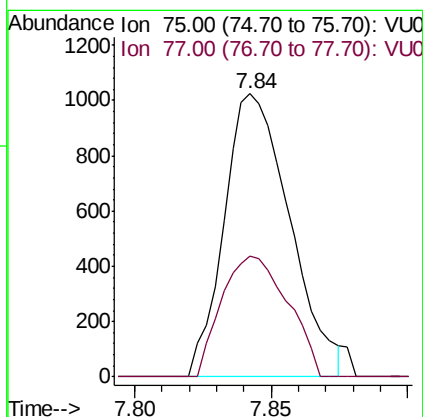
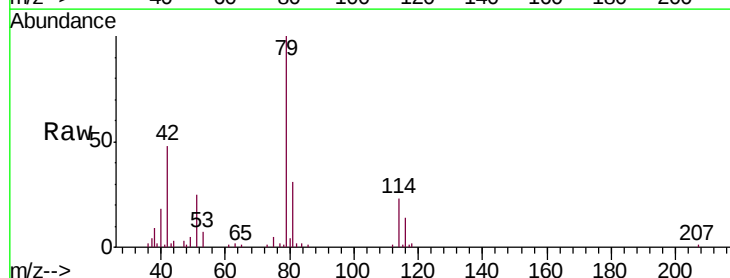
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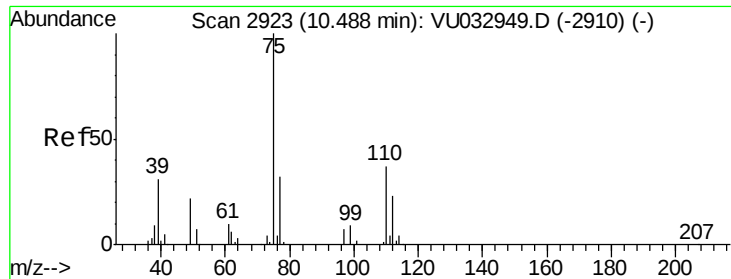
Tgt Ion: 75 Resp: 2487
 Ion Ratio Lower Upper
 75 100
 77 48.3 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.789 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU032970.D
 Acq: 22 Jun 2019 01:13

Tgt Ion: 75 Resp: 1714
 Ion Ratio Lower Upper
 75 100
 77 42.7 21.8 40.4#





#59

1,2,3-Trichloropropane

Concen: 5.787 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032970.D

Acq: 22 Jun 2019 01:13

Instrument :

MSVOA_U

ClientSampleId :

ETF38

Tgt Ion: 75 Resp: 11461

Ion Ratio Lower Upper

75 100

77 37.0 25.5 38.3

