

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039333.D
 Acq On : 07 Jul 2020 22:37
 Operator : SY/MD
 Sample : L3193-12DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4277DL

Quant Time: Jul 08 01:48:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116610	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	109268	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52627	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36819	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.92	69	59835	8.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	173.00%#
11) 1,1-Dichloroethene-d2	2.57	63	60389	4.54	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.66	46	188818	61.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.12%
24) Chloroform-d	5.08	84	82963	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
26) 1,2-Dichloroethane-d4	5.72	65	52327	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.74	84	165606	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.00%#
36) 1,2-Dichloropropane-d6	6.71	67	55902	6.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.00%
41) Toluene-d8	7.91	98	143406	6.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.80%
43) trans-1,3-Dichloropropene-	8.19	79	23731	5.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.20%
46) 2-Hexanone-d5	8.65	63	149605	61.80	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.60%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	52595	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	57127	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	17957	1.889	ug/L	91
8) Chloroethane	1.94	64	659	0.096	ug/L #	80
12) 1,1-Dichloroethene	2.57	96	547	0.079	ug/L #	1
13) Acetone	2.66	43	5338	3.198	ug/L	98
15) Methyl Acetate	2.97	43	11269	2.556	ug/L	96
16) Methylene chloride	3.05	84	3512	0.403	ug/L	81
17) Methyl tert-butyl Ether	3.38	73	27011	1.236	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	3694	0.481	ug/L	97
19) 1,1-Dichloroethane	3.89	63	3175	0.211	ug/L	97
21) 2-Butanone	4.74	43	35891	12.047	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	107836	12.526	ug/L	95
25) Chloroform	5.11	83	2875	0.190	ug/L	96
33) Benzene	5.79	78	3698	0.113	ug/L	100
34) Trichloroethene	6.56	95	2871	0.340	ug/L	94
35) Methylcyclohexane	6.70	83	12614	0.932	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	6312	0.709	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1663	0.124	ug/L #	42

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration

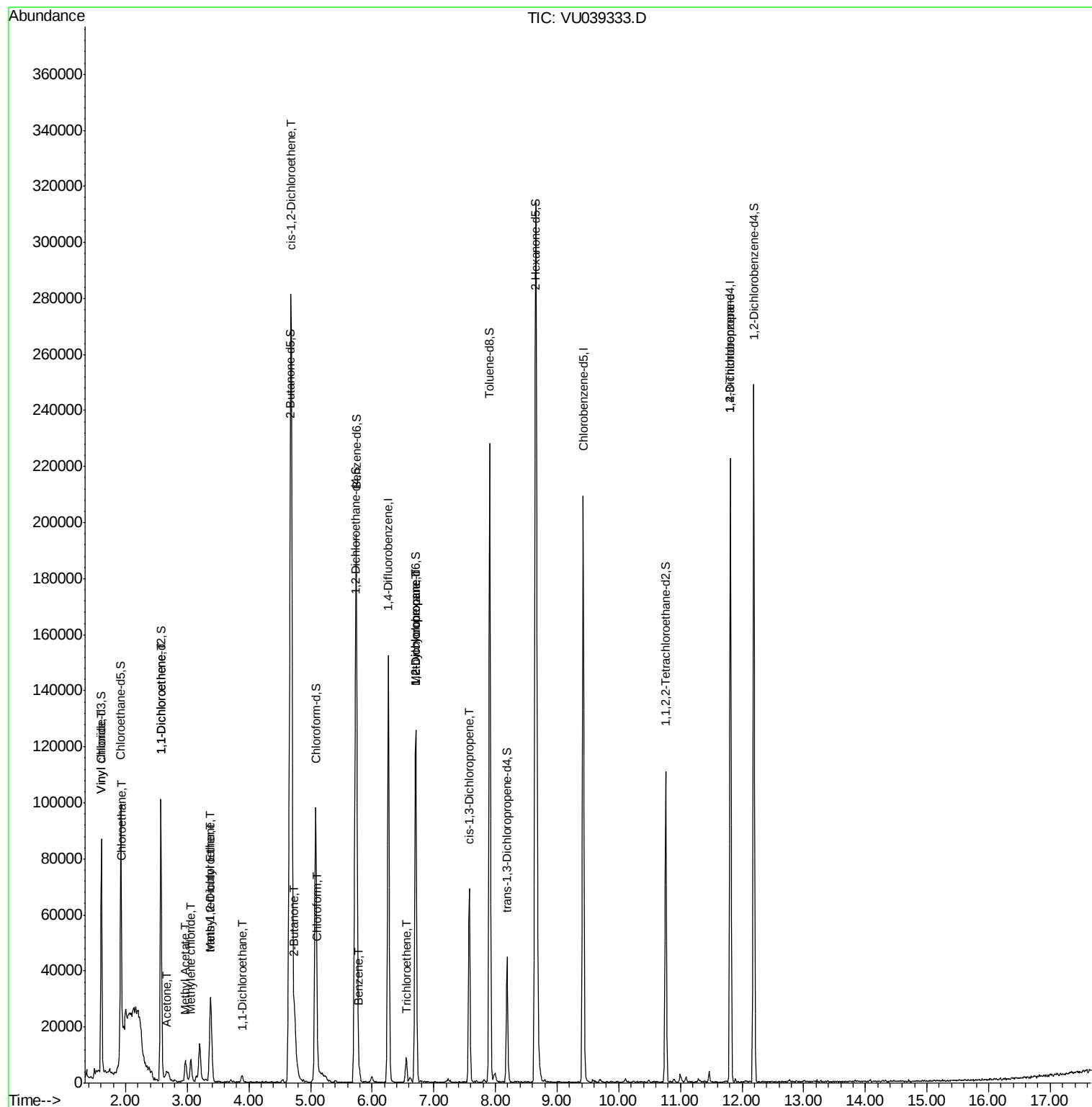
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.81	75	7927	1.208	ug/L #	87
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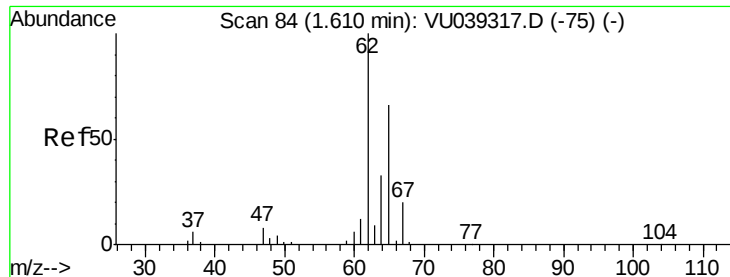
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.889 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039333.D

Acq: 07 Jul 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

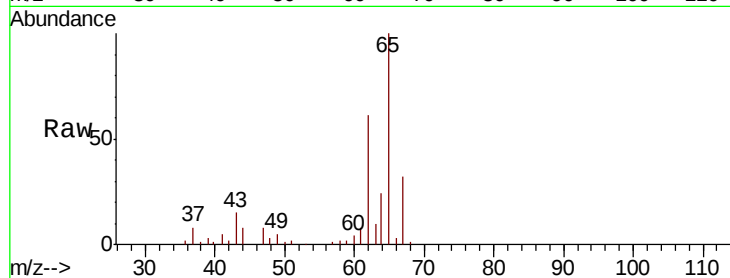
H4277DL

Tot Ion: 62 Resp: 17957

Ion Ratio Lower Upper

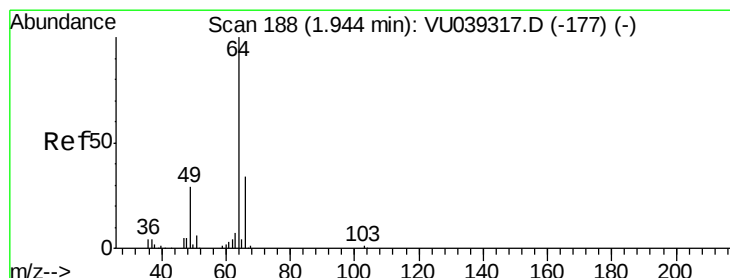
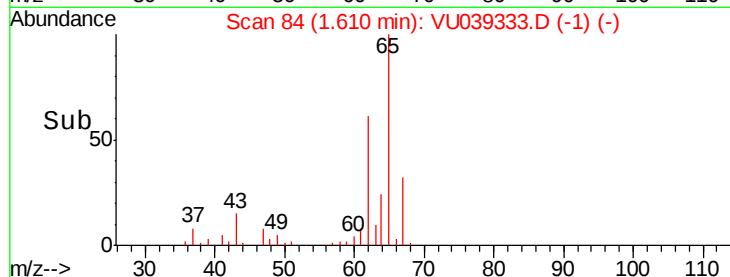
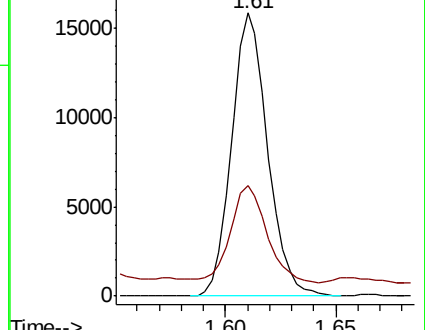
62 100

64 39.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039333.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039333.D (-75) (-)



#8

Chloroethane

Concen: 0.096 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039333.D

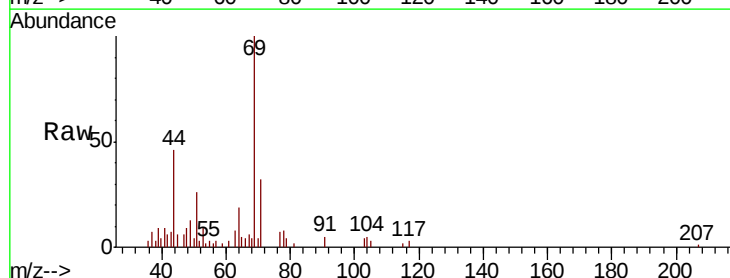
Acq: 07 Jul 2020 22:37

Tgt Ion: 64 Resp: 659

Ion Ratio Lower Upper

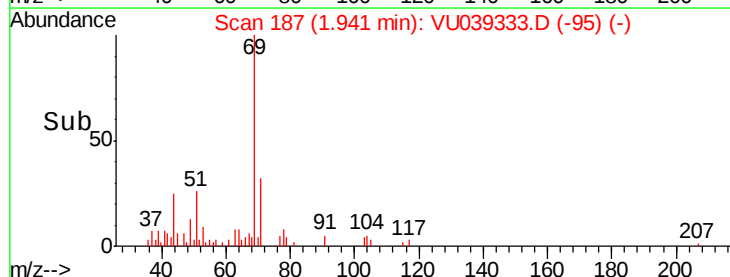
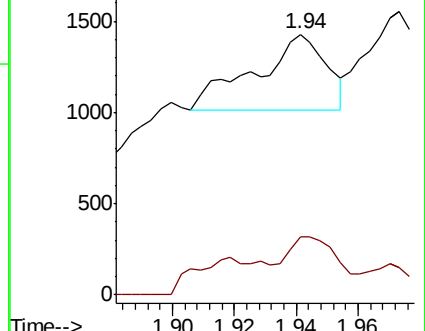
64 100

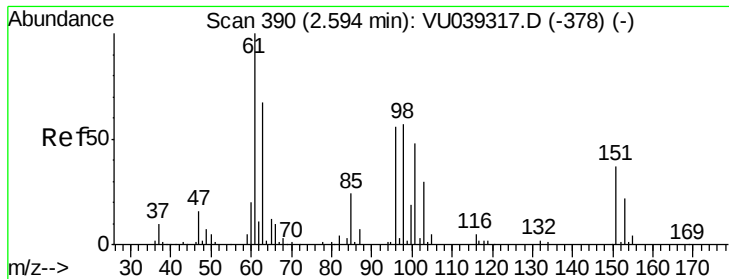
66 22.1 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039333.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039333.D (-177) (-)





#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU039333.D

Acq: 07 Jul 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

H4277DL

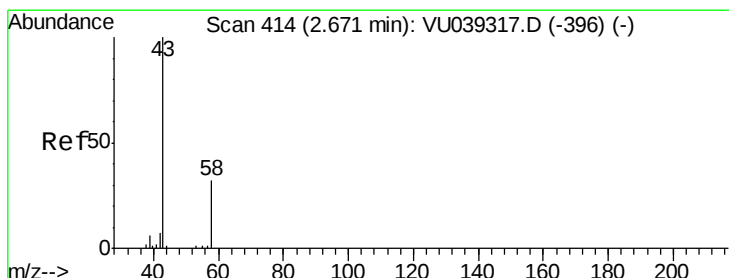
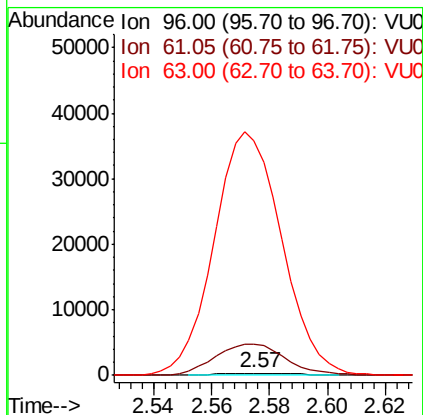
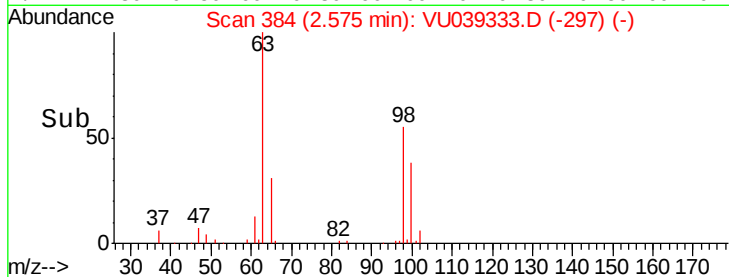
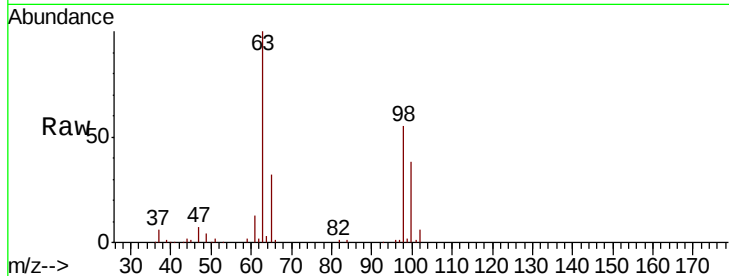
Tot Ion: 96 Resp: 547

Ion Ratio Lower Upper

96 100

61 1613.6 125.4 232.8#

63 12149.2 92.7 172.3#



#13

Acetone

Concen: 3.198 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039333.D

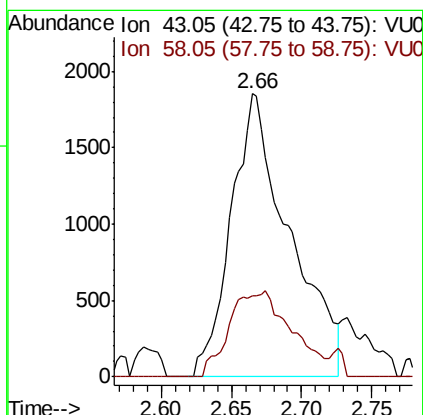
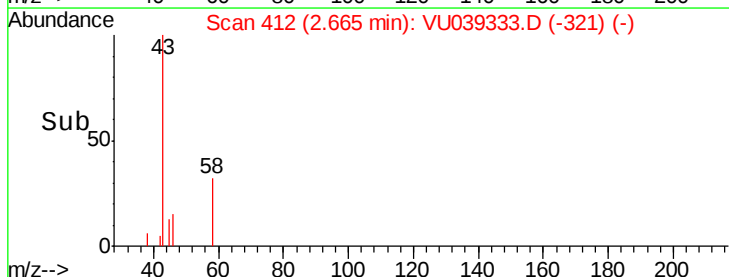
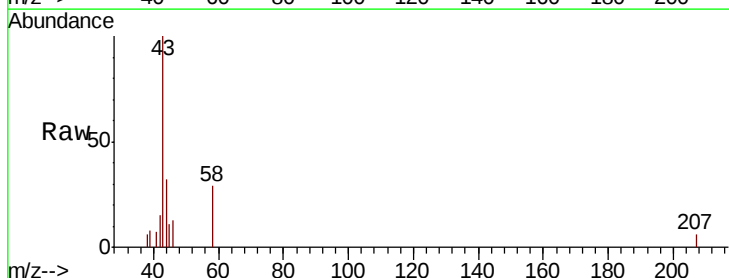
Acq: 07 Jul 2020 22:37

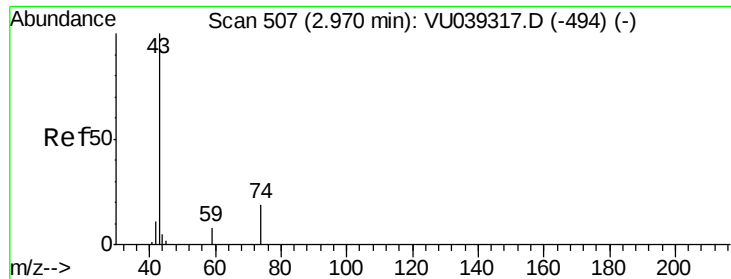
Tgt Ion: 43 Resp: 5338

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.8

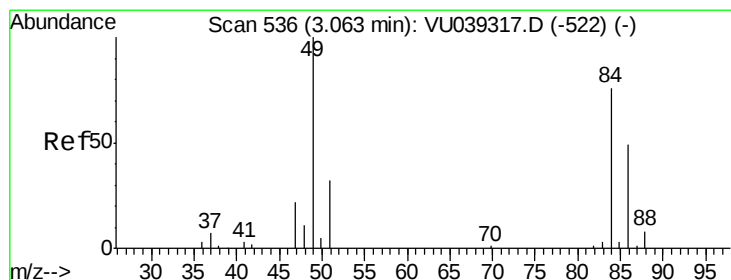
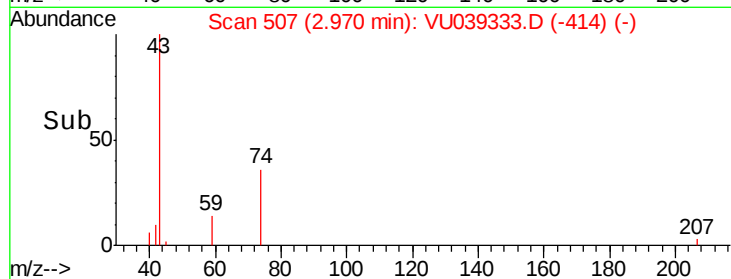
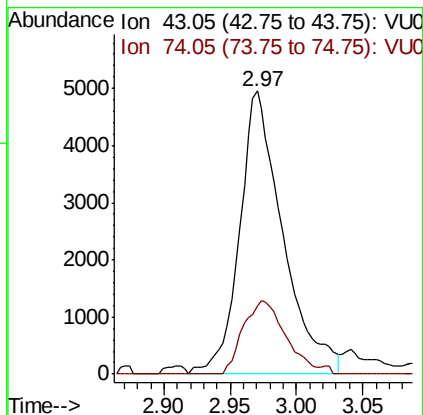
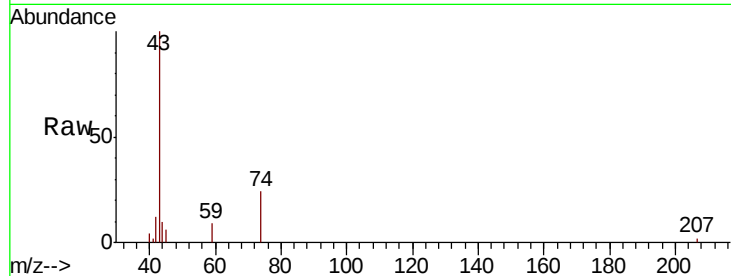




#15
Methvl Acetate
Concen: 2.556 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

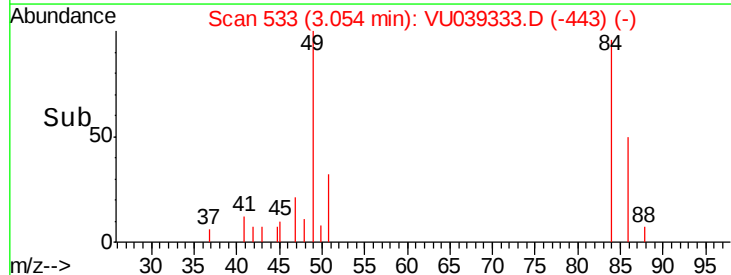
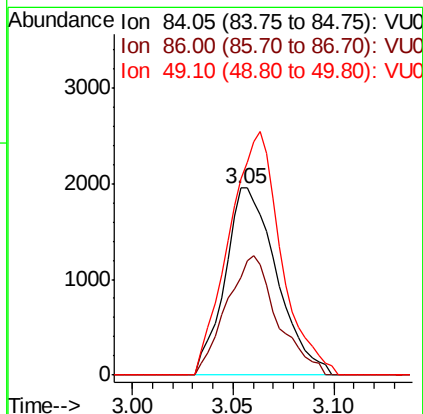
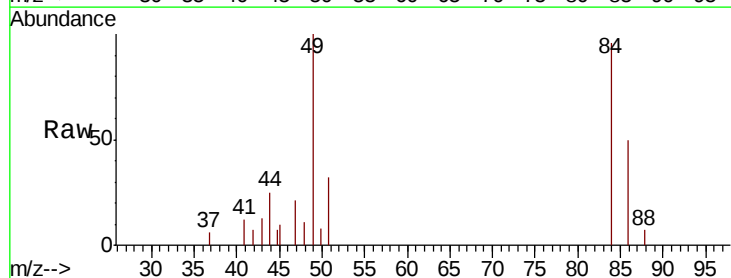
Instrument :
MSVOA_U
ClientSampleId :
H4277DL

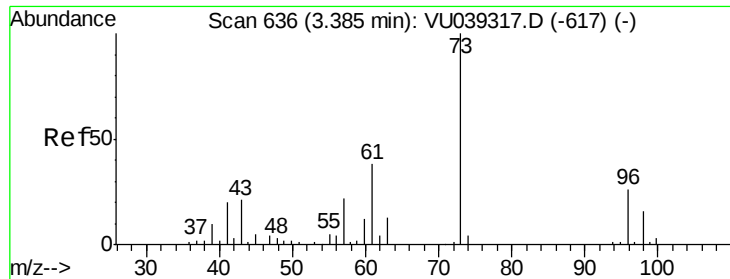
Tot Ion: 43 Resp: 11269
Ion Ratio Lower Upper
43 100
74 25.4 18.7 28.1



#16
Methylene chloride
Concen: 0.403 ug/L
RT: 3.05 min Scan# 533
Delta R.T. -0.01 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
86 51.9 43.5 80.9
49 104.7 91.1 169.1

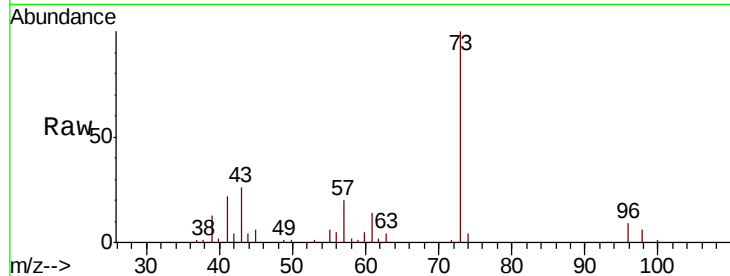




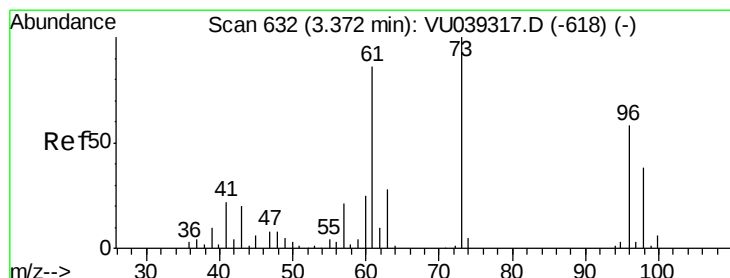
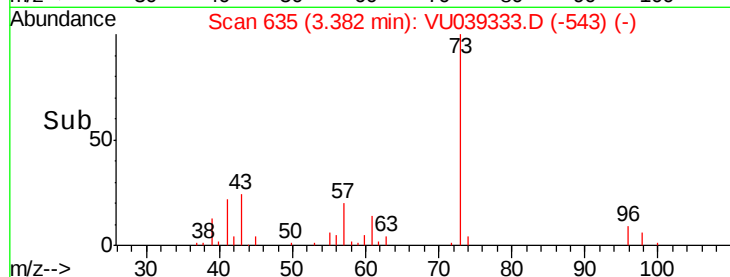
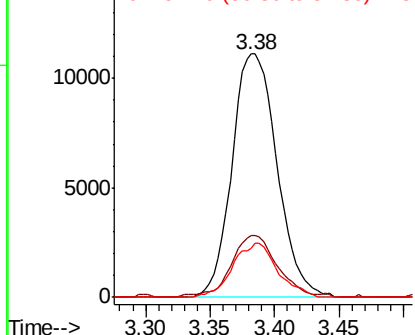
#17
Methvl tert-butvl Ether
Concen: 1.236 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Tot Ion: 73 Resp: 27011
Ion Ratio Lower Upper
73 100
43 26.3 18.6 28.0
57 22.3 17.9 26.9

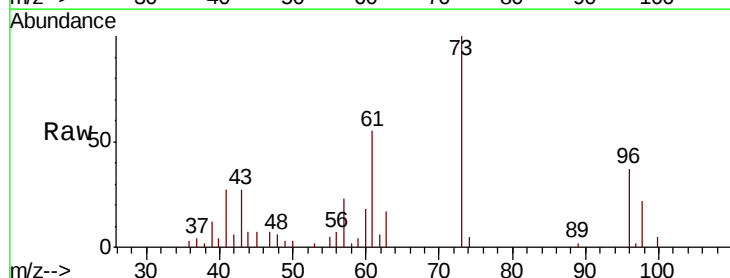


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

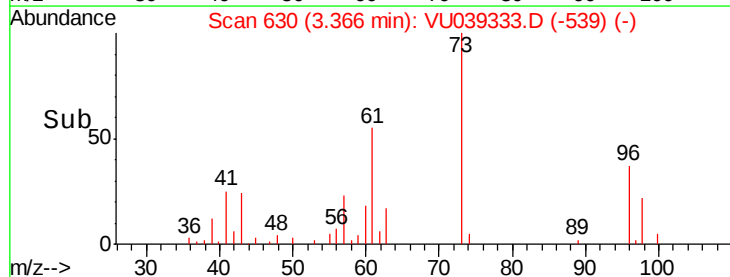
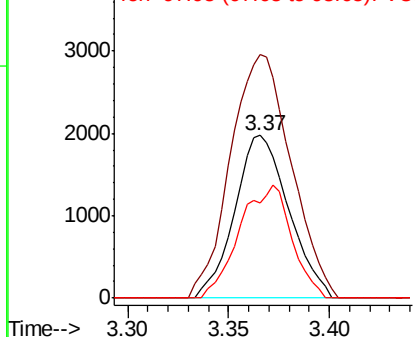


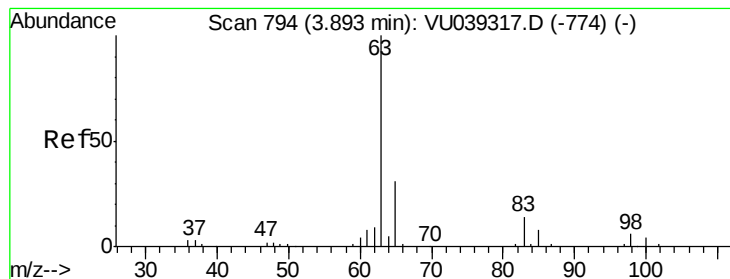
#18
trans-1,2-Dichloroethene
Concen: 0.481 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

Tgt Ion: 96 Resp: 3694
Ion Ratio Lower Upper
96 100
61 149.8 102.1 189.5
98 58.9 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

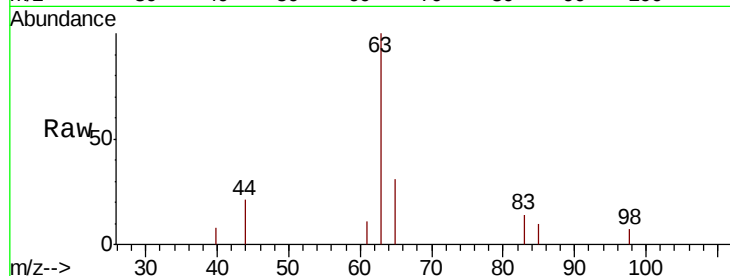




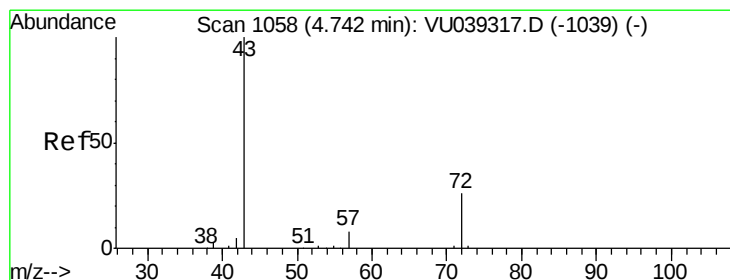
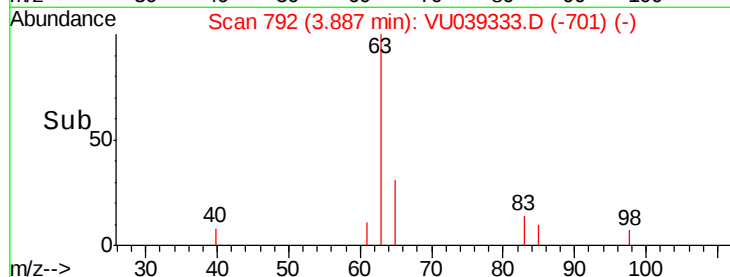
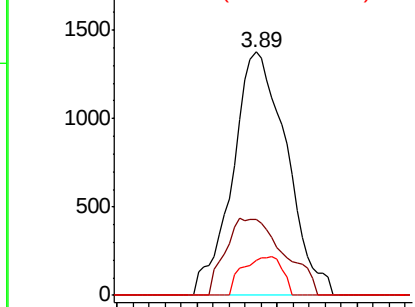
#19
 1,1-Dichloroethane
 Concen: 0.211 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

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Tot Ion: 63 Resp: 3175
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.0 42.6
 83 14.2 9.6 17.8

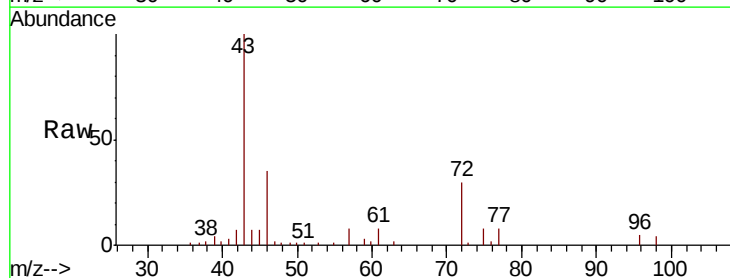


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

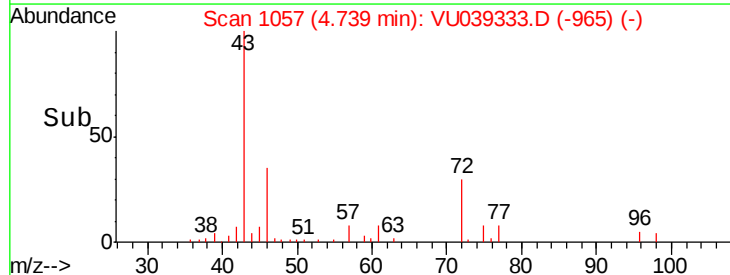
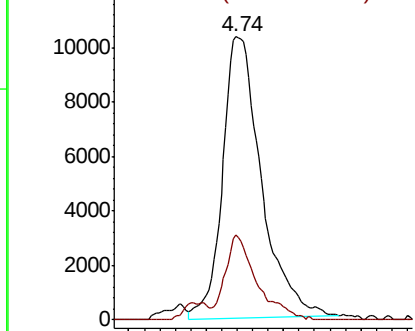


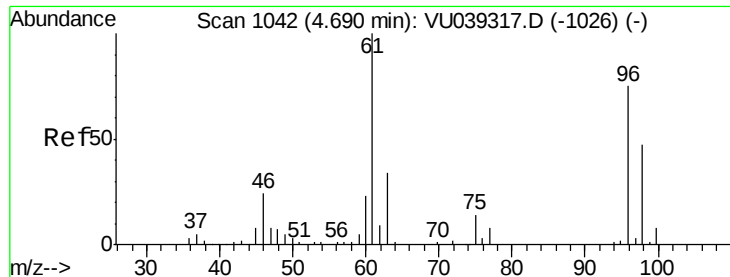
#21
 2-Butanone
 Concen: 12.047 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

Tgt Ion: 43 Resp: 35891
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

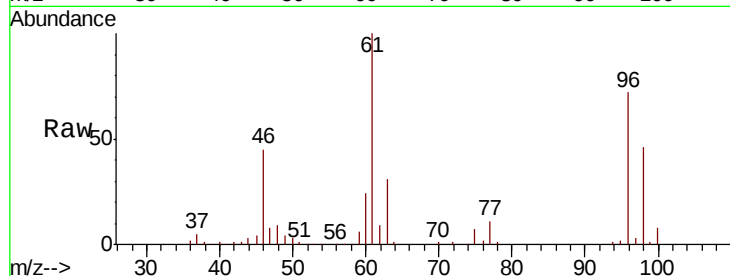




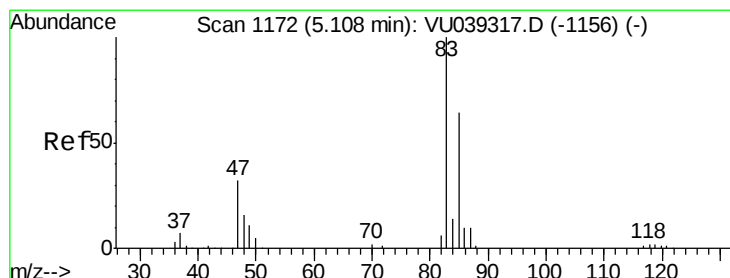
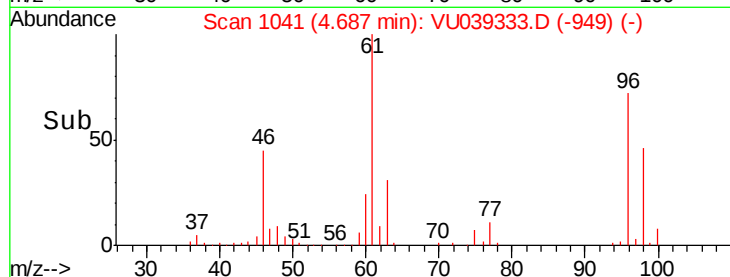
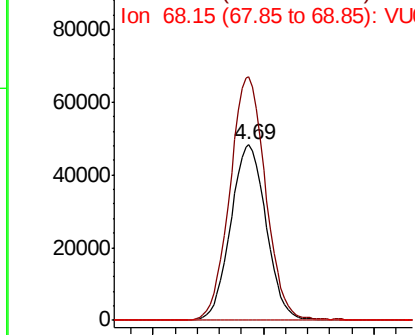
#22
 cis-1,2-Dichloroethene
 Concen: 12.526 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

Instrument :
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 H4277DL

Tot Ion: 96 Resp: 107836
 Ion Ratio Lower Upper
 96 100
 61 138.9 92.8 172.4
 68 0.0 0.0 0.0

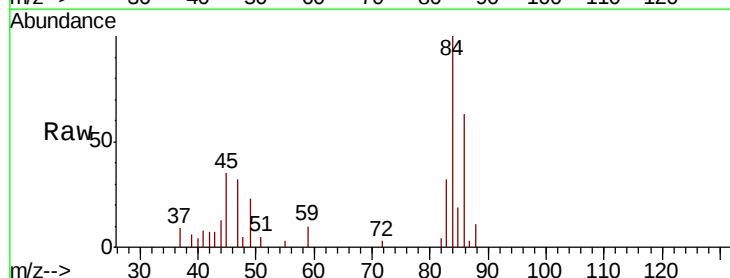


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

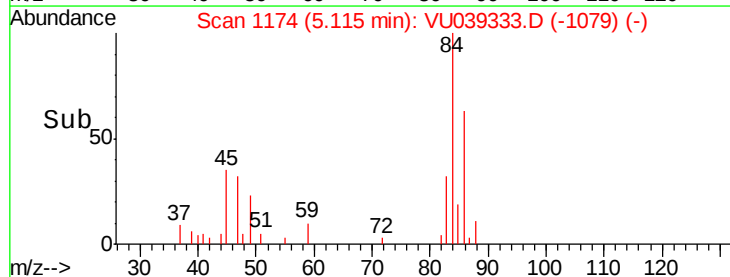
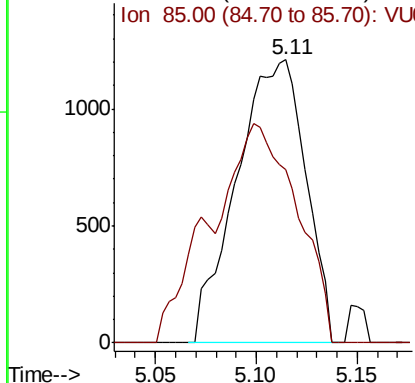


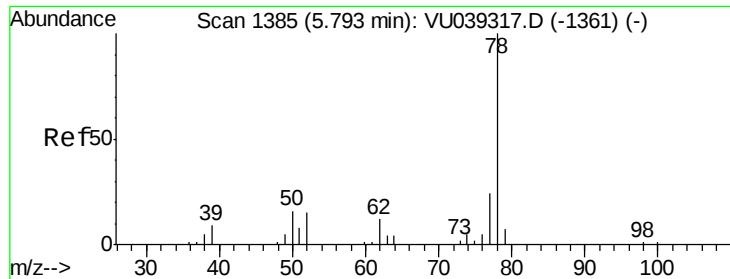
#25
 Chloroform
 Concen: 0.190 ug/L
 RT: 5.11 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

Tgt Ion: 83 Resp: 2875
 Ion Ratio Lower Upper
 83 100
 85 61.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.113 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.01 min

Lab File: VU039333.D

Acq: 07 Jul 2020 22:37

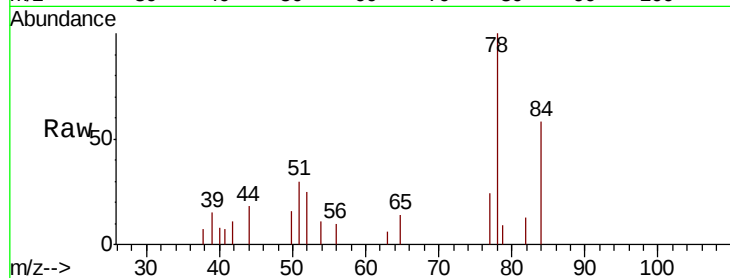
Instrument :

MSVOA_U

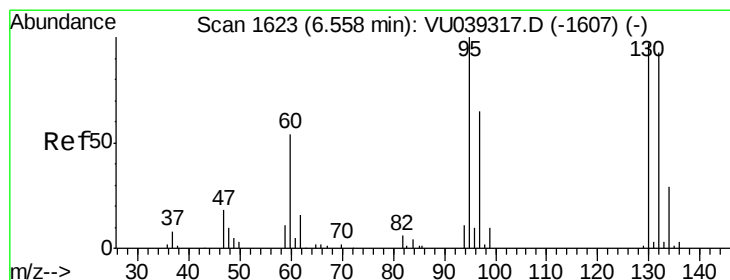
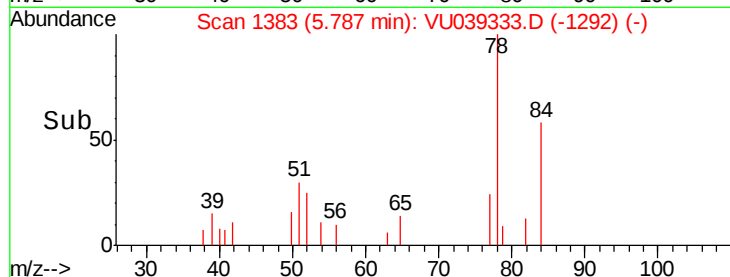
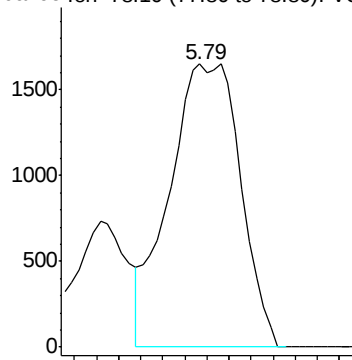
ClientSampleId :

H4277DL

Tgt Ion: 78 Resp: 3698



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.340 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039333.D

Acq: 07 Jul 2020 22:37

Tgt Ion: 95 Resp: 2871

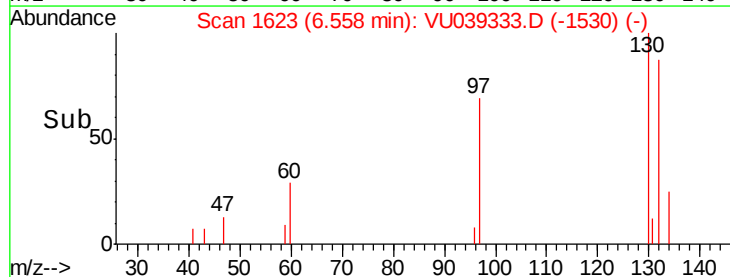
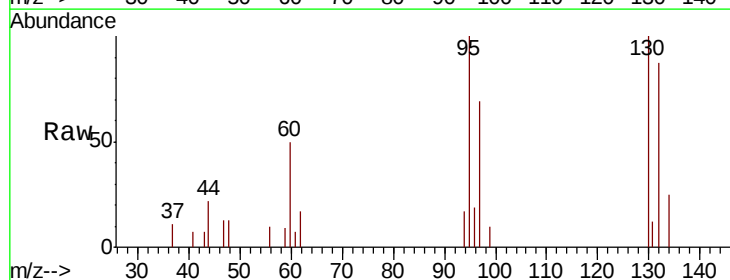
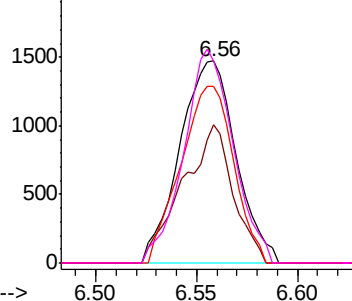
Ion	Ratio	Lower	Upper
95	100		
97	68.7	46.3	85.9
132	87.4	64.0	118.8
130	100.0	64.3	119.5

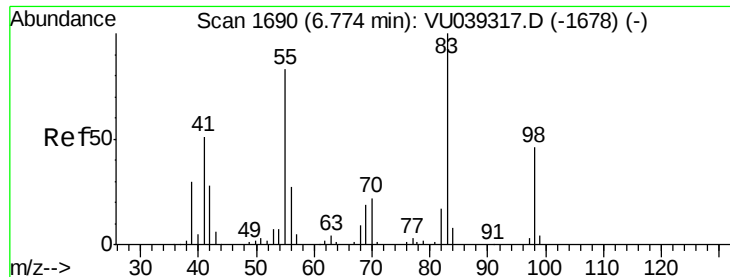
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

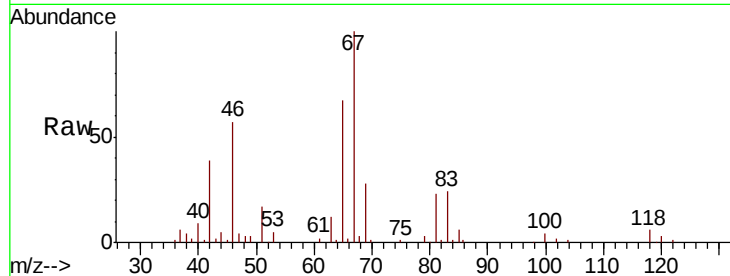




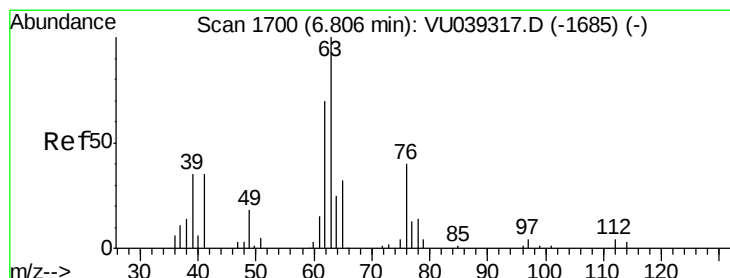
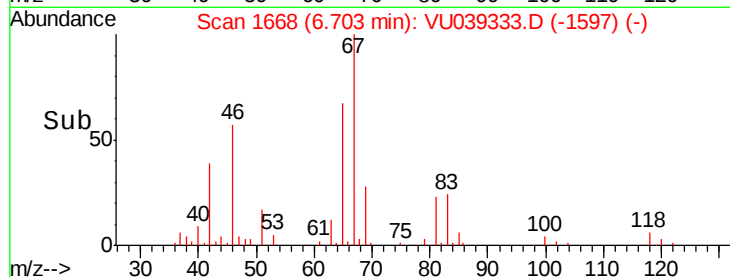
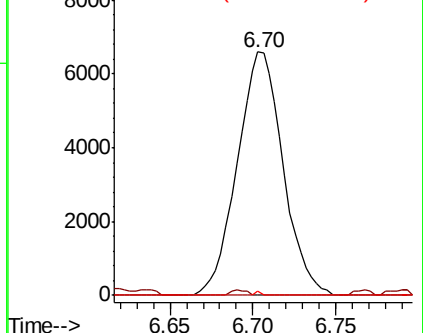
#35
Methvlcvclohexane
Concen: 0.932 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Tot Ion: 83 Resp: 12614
Ion Ratio Lower Upper
83 100
55 0.7 62.1 93.1#
98 0.2 35.9 53.9#

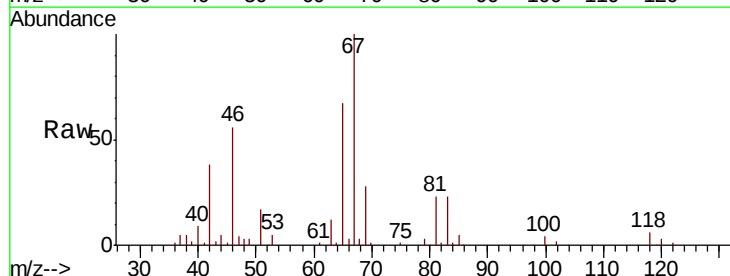


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

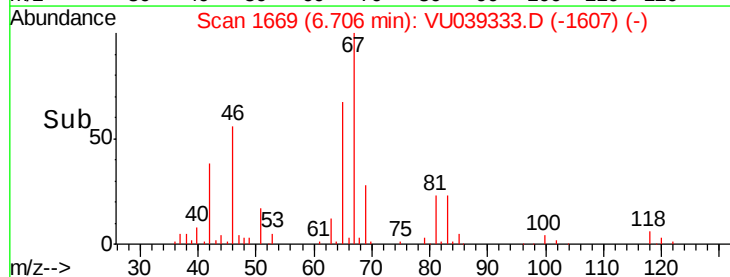
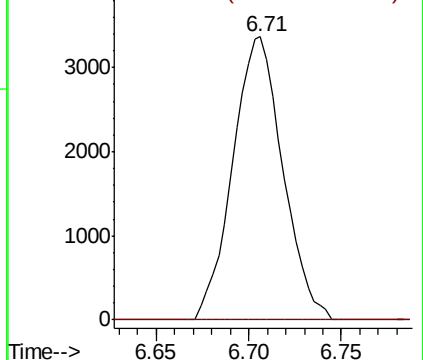


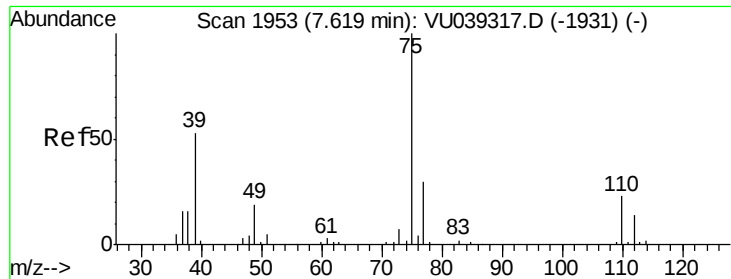
#37
1,2-Dichloropropane
Concen: 0.709 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039333.D
Acq: 07 Jul 2020 22:37

Tgt Ion: 63 Resp: 6312
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

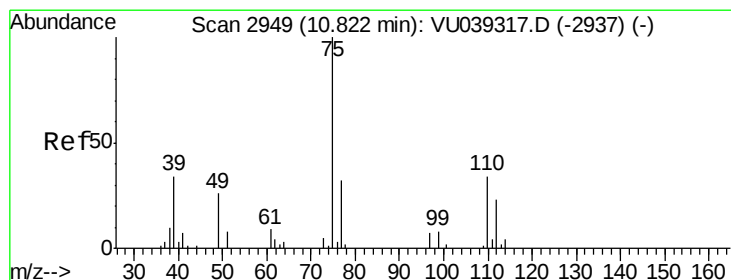
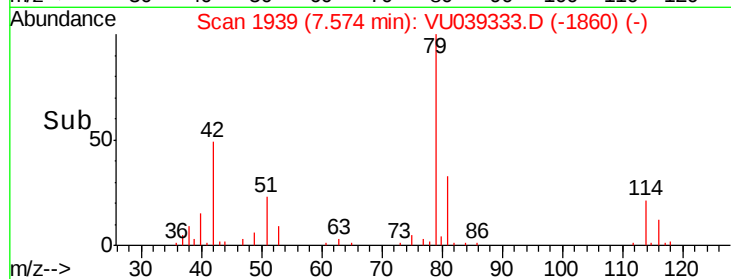
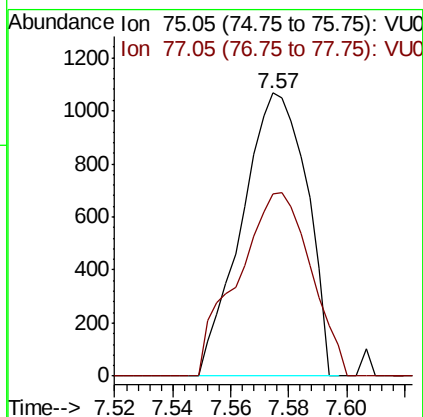
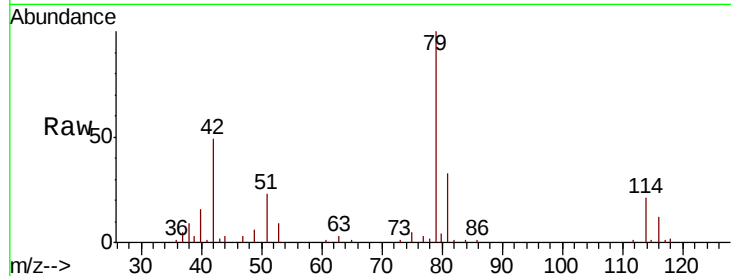




#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

Instrument :
 MSVOA_U
 ClientSampleId :
 H4277DL

Tot Ion: 75 Resp: 1663
 Ion Ratio Lower Upper
 75 100
 77 64.2 22.3 41.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.208 ug/L
 RT: 11.81 min Scan# 3257
 Delta R.T. 0.99 min
 Lab File: VU039333.D
 Acq: 07 Jul 2020 22:37

Tgt Ion: 75 Resp: 7927
 Ion Ratio Lower Upper
 75 100
 77 40.6 26.8 40.2#

