

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039328.D
 Acq On : 07 Jul 2020 20:42
 Operator : SY/MD
 Sample : L3193-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4282

Quant Time: Jul 08 01:47:41 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	6.27	114	105719	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	99934	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40484	6.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.20%#
7) Chloroethane-d5	1.92	69	36001	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.58	63	57198	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	4.66	46	177728	63.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.78%
24) Chloroform-d	5.08	84	80478	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.40%
26) 1,2-Dichloroethane-d4	5.72	65	48201	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	5.75	84	155372	6.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.20%#
36) 1,2-Dichloropropane-d6	6.71	67	52965	6.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	125.40%
41) Toluene-d8	7.91	98	134532	6.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.00%
43) trans-1,3-Dichloropropene-	8.19	79	21245	5.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.80%
46) 2-Hexanone-d5	8.64	63	132744	59.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.90%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	47789	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52676	6.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.40%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4832	0.622	ug/L #	58
5) Vinyl chloride	1.61	62	204225	23.692	ug/L #	71
8) Chloroethane	2.18	64	1208	0.194	ug/L #	50
12) 1,1-Dichloroethene	2.58	96	708	0.113	ug/L #	1
13) Acetone	2.67	43	3449	2.279	ug/L	55
17) Methyl tert-butyl Ether	3.38	73	41062	2.073	ug/L	96
18) trans-1,2-Dichloroethene	3.38	96	8494	1.220	ug/L	92
19) 1,1-Dichloroethane	3.90	63	5170	0.380	ug/L #	81
21) 2-Butanone	4.75	43	49309	18.256	ug/L	84
22) cis-1,2-Dichloroethene	4.69	96	94742	12.139	ug/L	99
33) Benzene	5.79	78	7648	0.256	ug/L	100
34) Trichloroethene	6.56	95	1629	0.211	ug/L	92
35) Methylcyclohexane	6.71	83	11339	0.916	ug/L #	20
37) 1,2-Dichloropropane	6.71	63	5865	0.720	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1859	0.151	ug/L	83
48) 2-Hexanone	8.69	43	5036	1.005	ug/L #	81
59) 1,2,3-Trichloropropane	11.81	75	7339	1.223	ug/L	95

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QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration

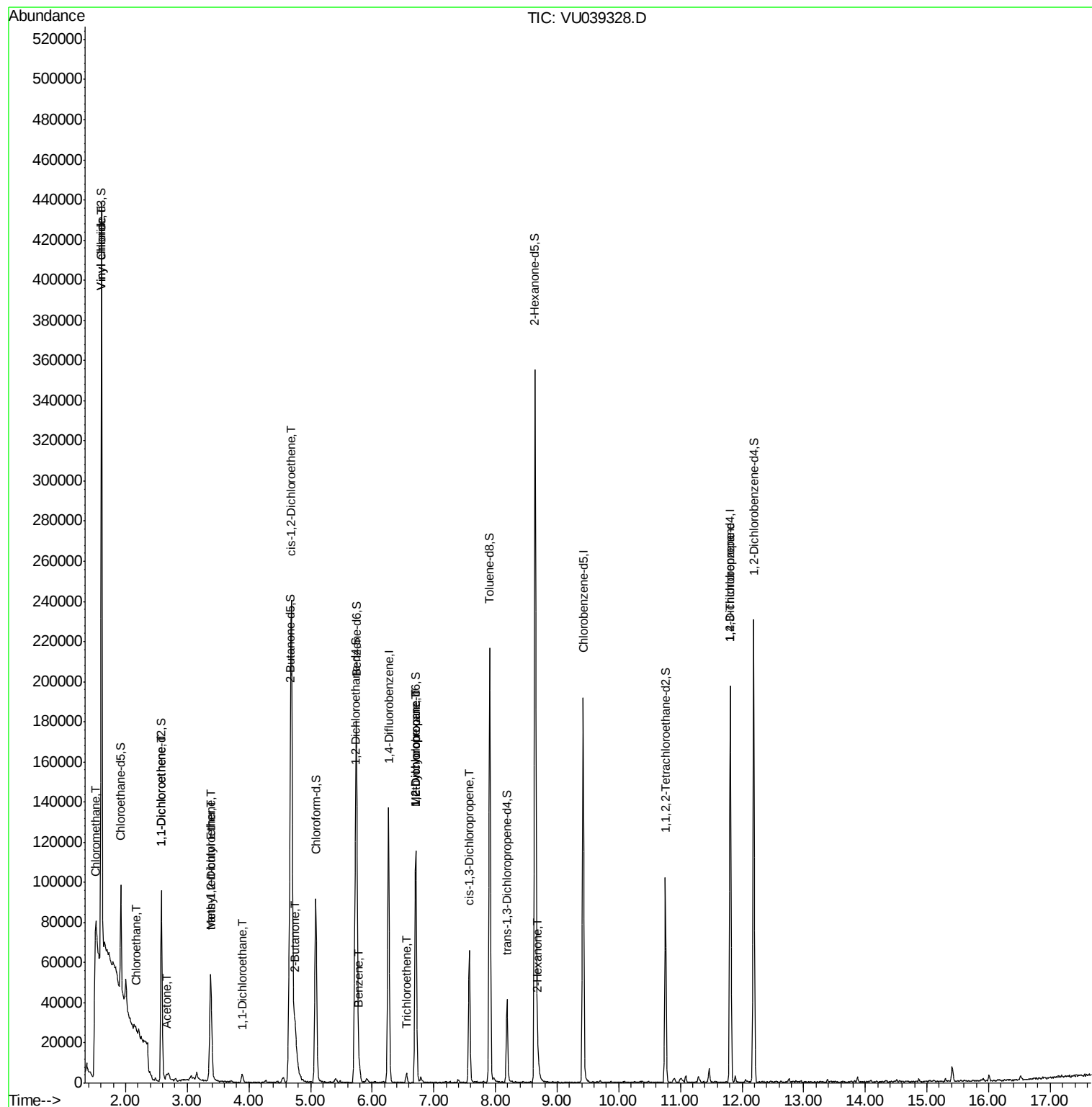
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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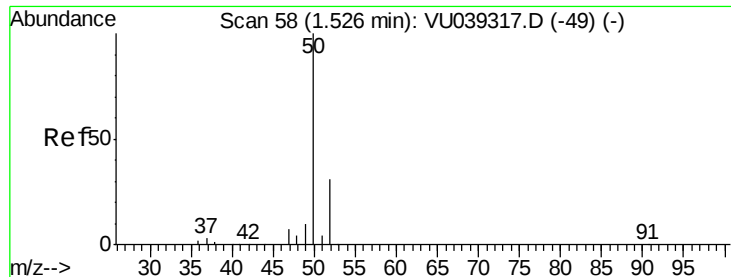
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.622 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

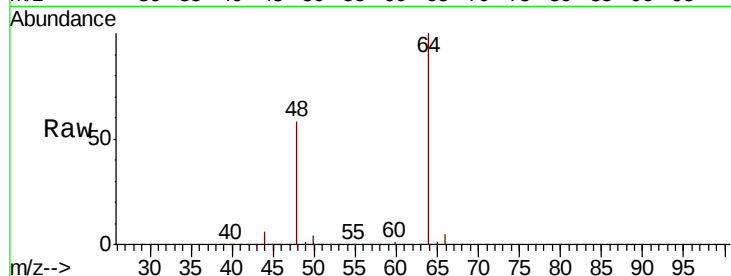
H4282

Tot Ion: 50 Resp: 4832

Ion Ratio Lower Upper

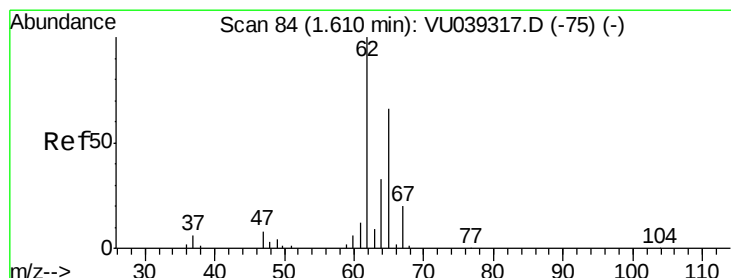
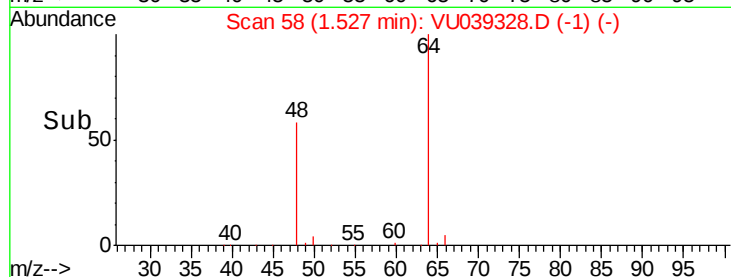
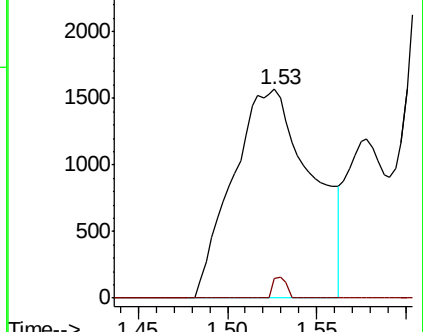
50 100

52 9.4 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU039317.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039317.D (-49) (-)



#5

Vinyl chloride

Concen: 23.692 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039328.D

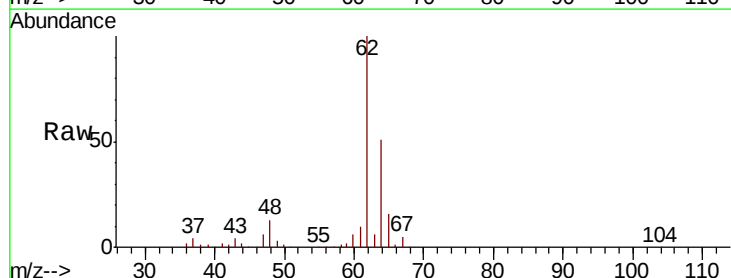
Acq: 07 Jul 2020 20:42

Tgt Ion: 62 Resp: 204225

Ion Ratio Lower Upper

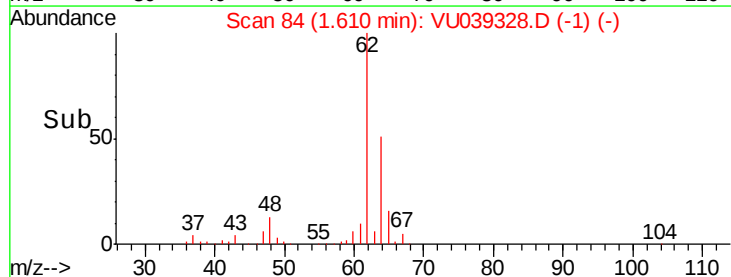
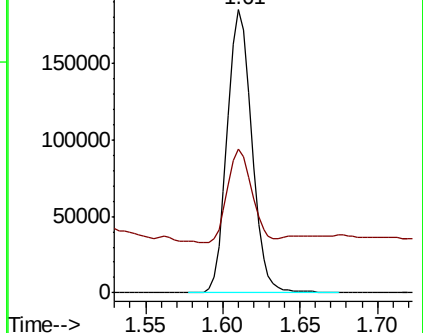
62 100

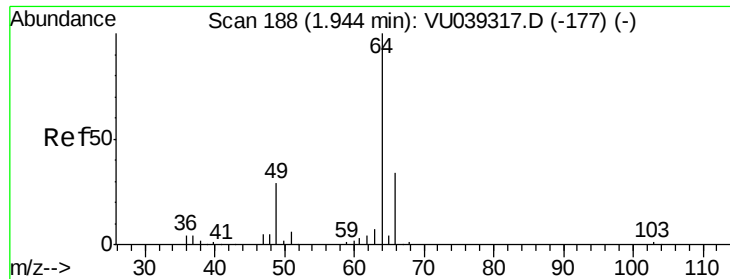
64 50.7 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU039317.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039317.D (-75) (-)

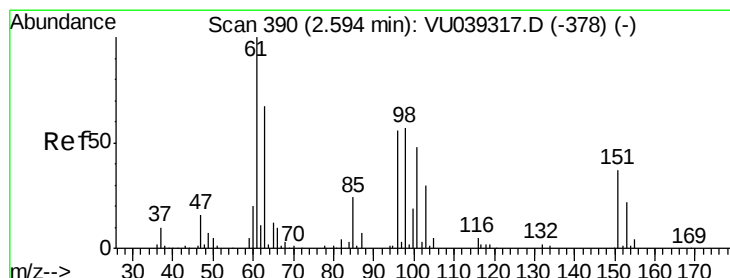
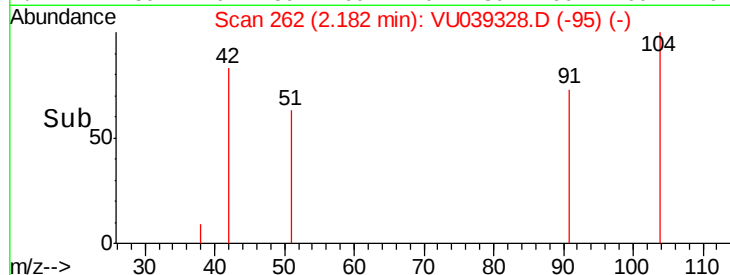
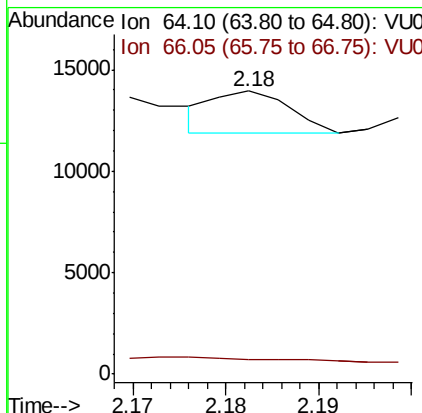
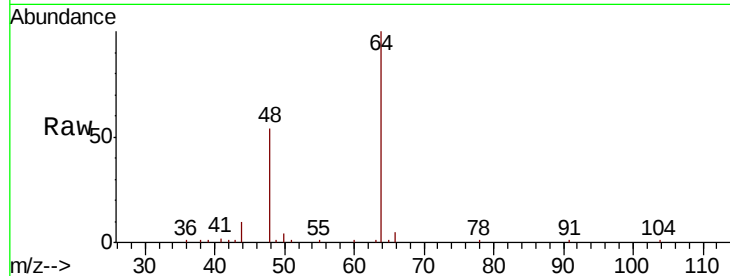




#8
Chloroethane
Concen: 0.194 ug/L
RT: 2.18 min Scan# 262
Delta R.T. 0.24 min
Lab File: VU039328.D
Acq: 07 Jul 2020 20:42

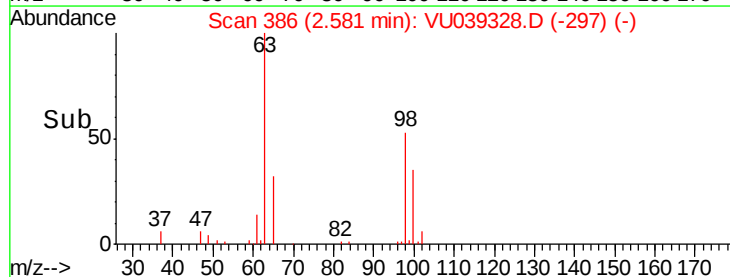
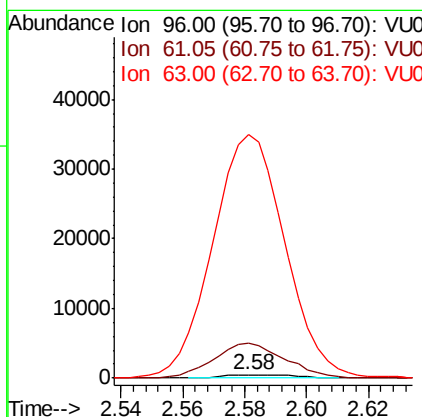
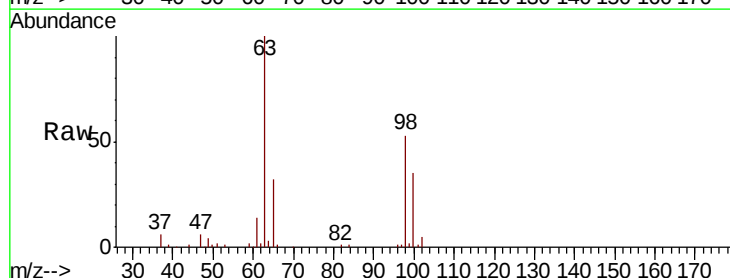
Instrument :
MSVOA_U
ClientSampleId :
H4282

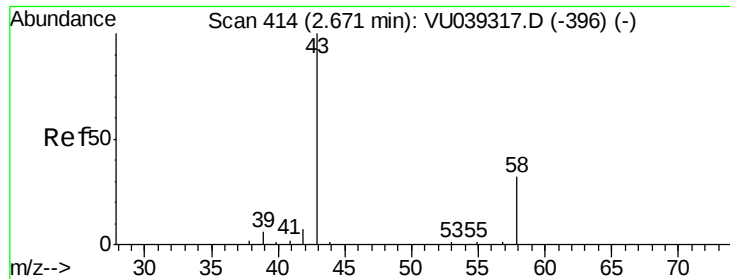
Tot Ion: 64 Resp: 1208
Ion Ratio Lower Upper
64 100
66 5.4 23.5 43.7#



#12
1,1-Dichloroethene
Concen: 0.113 ug/L
RT: 2.58 min Scan# 386
Delta R.T. -0.01 min
Lab File: VU039328.D
Acq: 07 Jul 2020 20:42

Tgt Ion: 96 Resp: 708
Ion Ratio Lower Upper
96 100
61 1098.7 125.4 232.8#
63 7732.7 92.7 172.3#





#13

Acetone

Concen: 2.279 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Instrument :

MSVOA_U

ClientSampled :

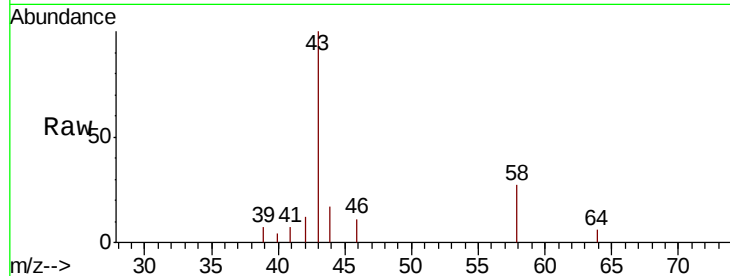
H4282

Tot Ion: 43 Resp: 3449

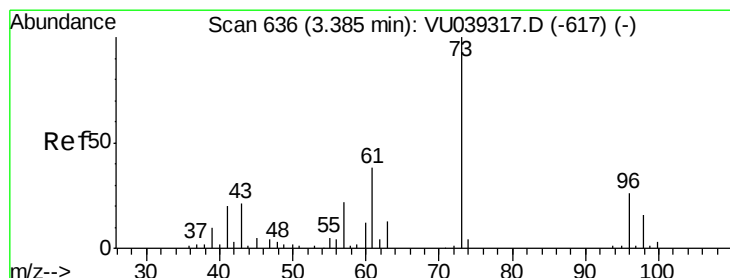
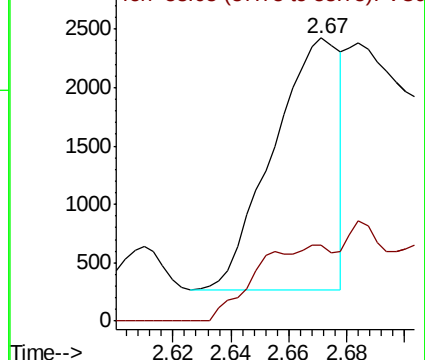
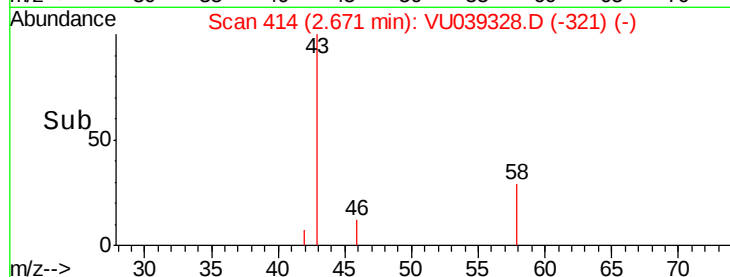
Ion Ratio Lower Upper

43 100

58 6.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039328.D (-321) (-)



#17

Methyl tert-butyl Ether

Concen: 2.073 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

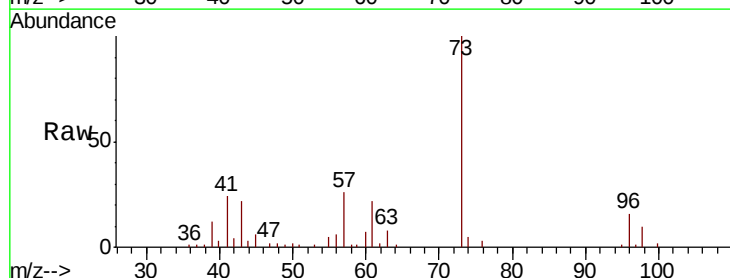
Tgt Ion: 73 Resp: 41062

Ion Ratio Lower Upper

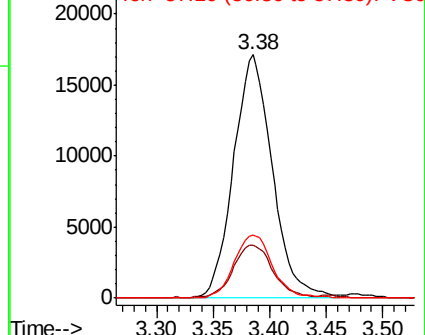
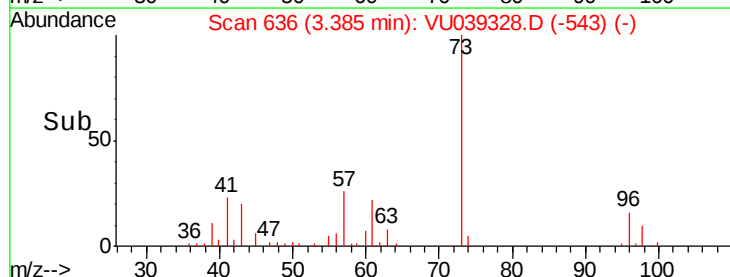
73 100

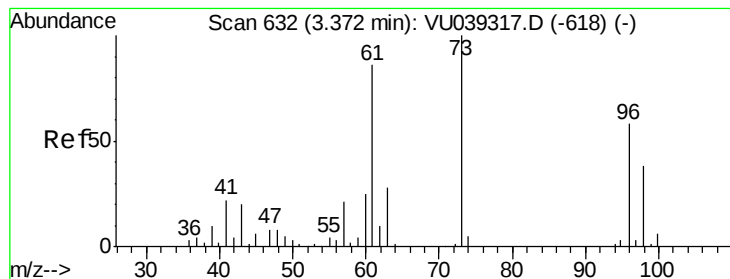
43 22.5 18.6 28.0

57 25.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039328.D (-543) (-)





#18

trans-1,2-Dichloroethene

Concen: 1.220 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

H4282

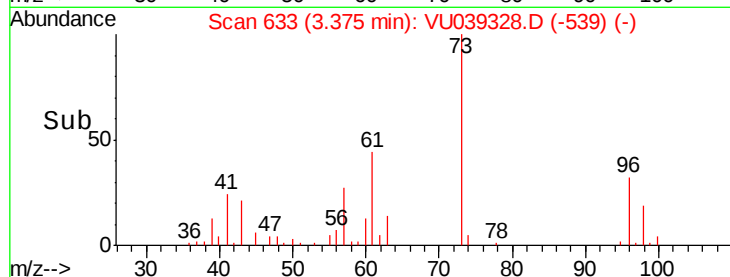
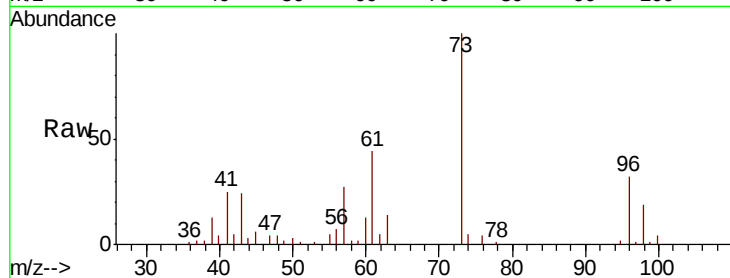
Tot Ion: 96 Resp: 8494

Ion Ratio Lower Upper

96 100

61 134.7 102.1 189.5

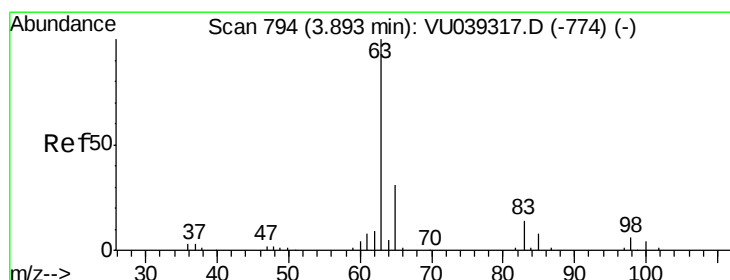
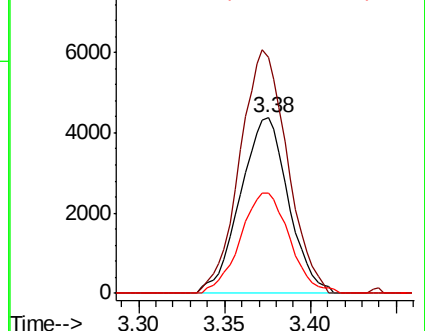
98 57.2 42.5 78.9



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: 0.380 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

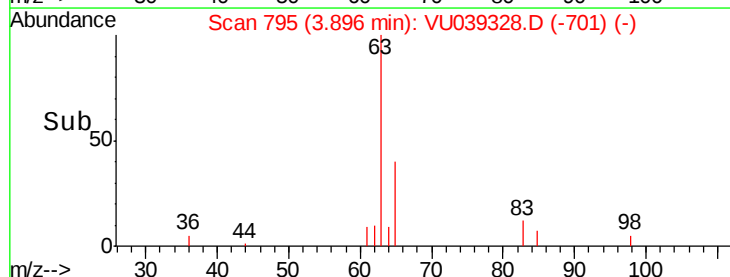
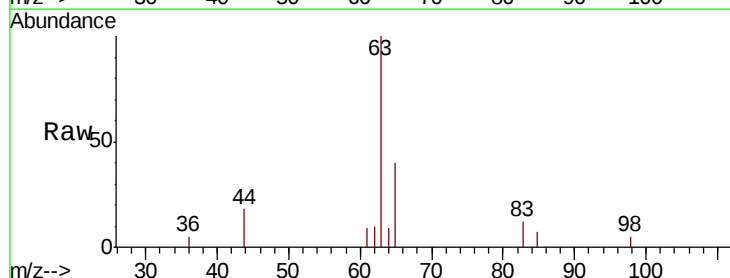
Tgt Ion: 63 Resp: 5170

Ion Ratio Lower Upper

63 100

65 39.8 23.0 42.6

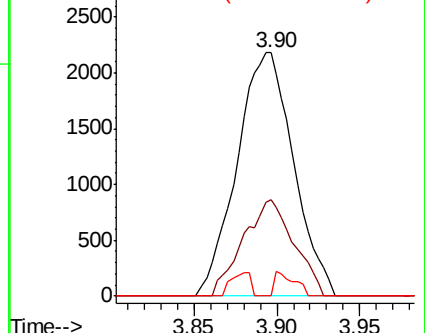
83 0.0 9.6 17.8#

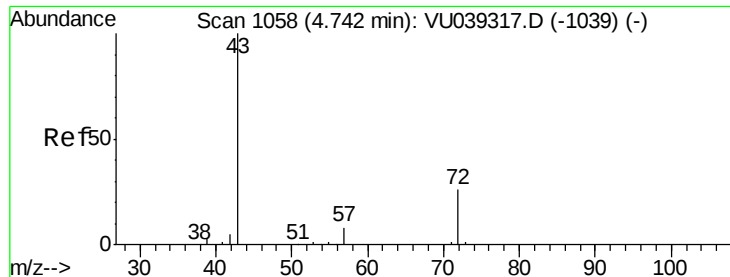


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#21

2-Butanone

Concen: 18.256 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Instrument :

MSVOA_U

ClientSampled :

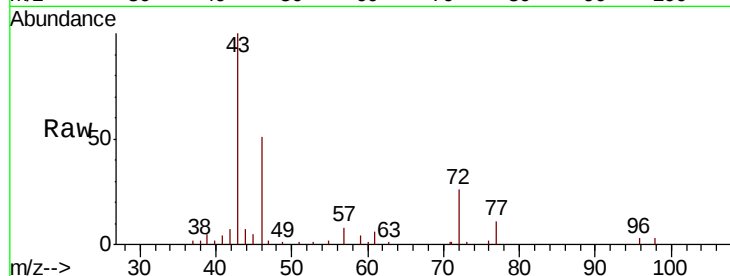
H4282

Tot Ion: 43 Resp: 49309

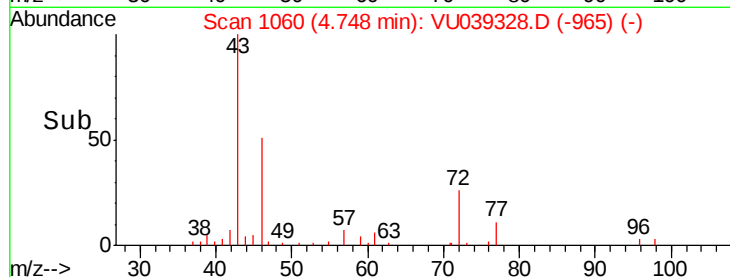
Ion Ratio Lower Upper

43 100

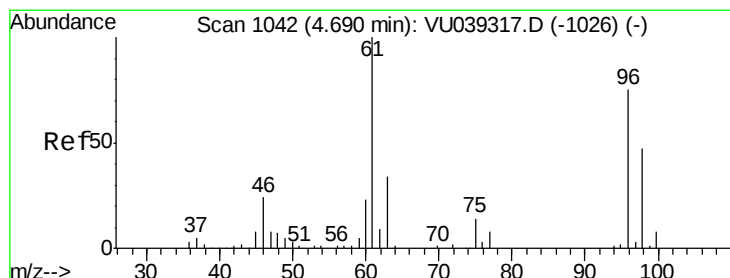
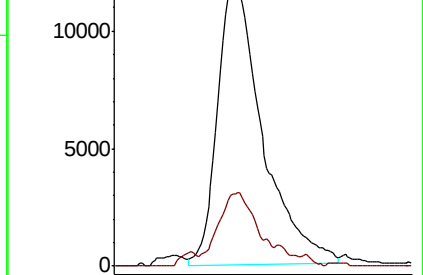
72 18.3 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039328.D (-965) (-)



Ion 72.10 (71.80 to 72.80): VU039328.D (-965) (-)



#22

cis-1,2-Dichloroethene

Concen: 12.139 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

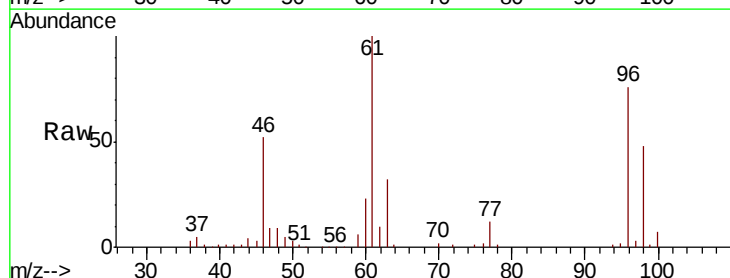
Tgt Ion: 96 Resp: 94742

Ion Ratio Lower Upper

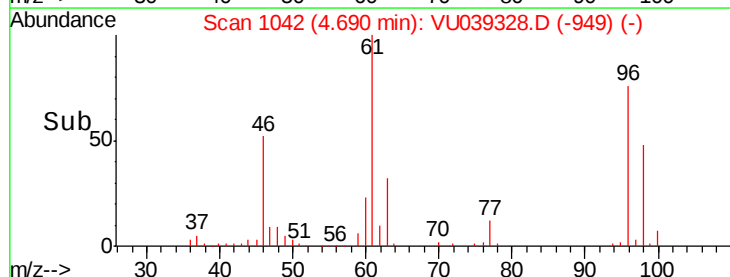
96 100

61 131.3 92.8 172.4

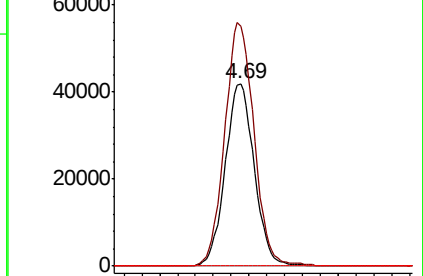
68 0.0 0.0 0.0

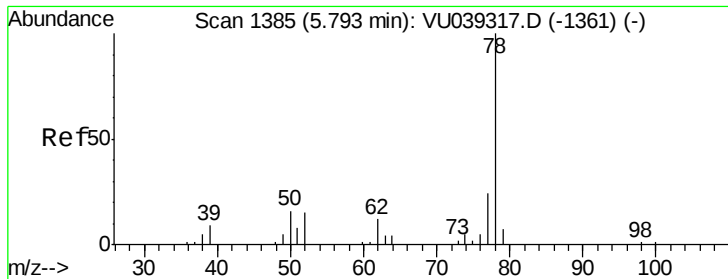


Abundance Ion 96.00 (95.70 to 96.70): VU039328.D (-949) (-)



Ion 61.05 (60.75 to 61.75): VU039328.D (-949) (-)





#33

Benzene

Concen: 0.256 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

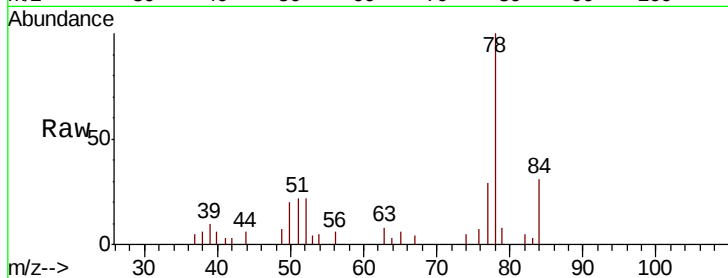
Instrument :

MSVOA_U

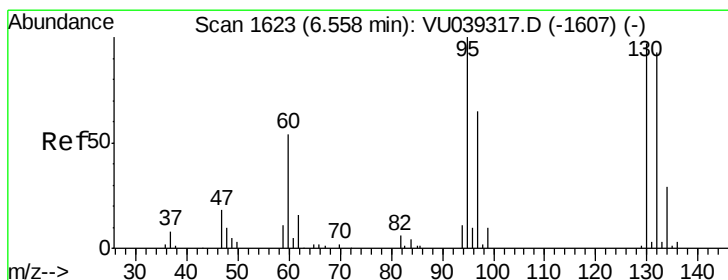
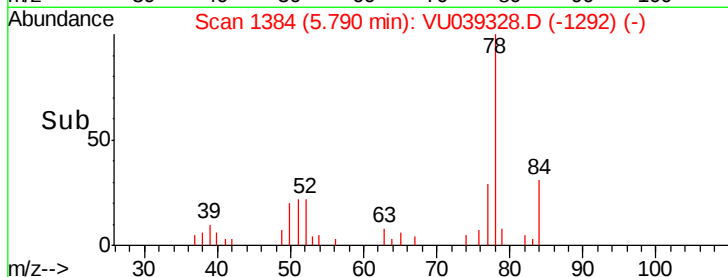
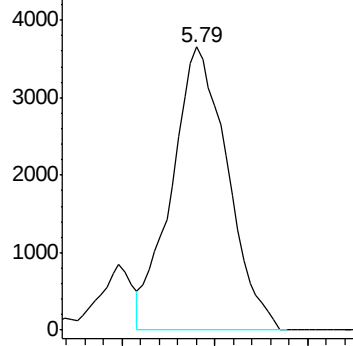
ClientSampleId :

H4282

Tgt Ion: 78 Resp: 7648



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.211 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Tgt Ion: 95 Resp: 1629

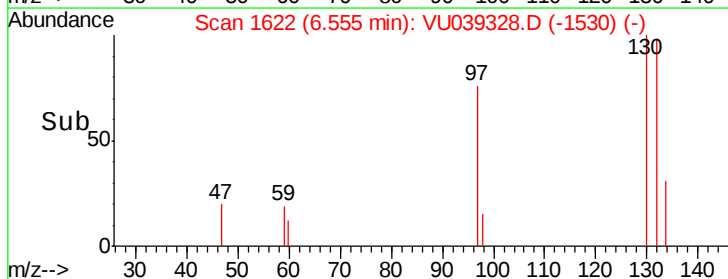
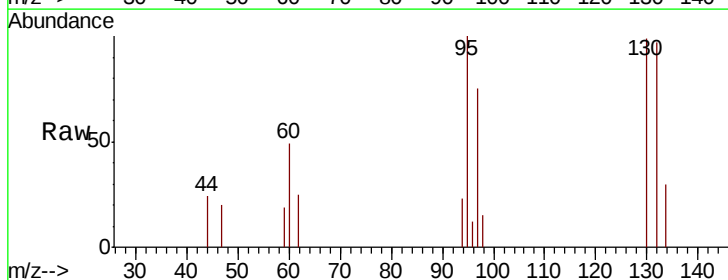
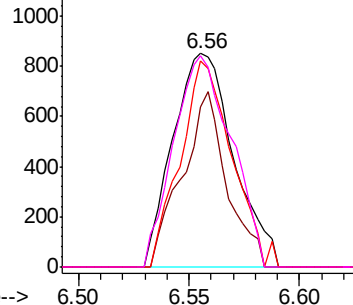
Ion	Ratio	Lower	Upper
95	100		
97	75.0	46.3	85.9
132	96.7	64.0	118.8
130	98.6	64.3	119.5

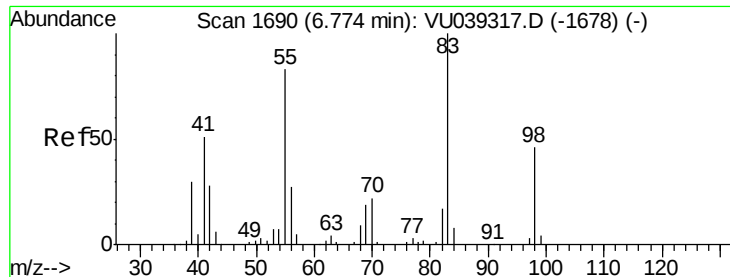
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

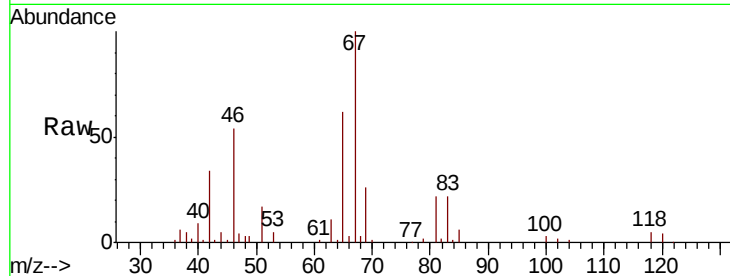




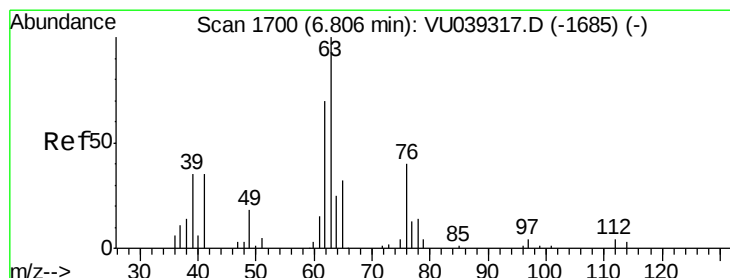
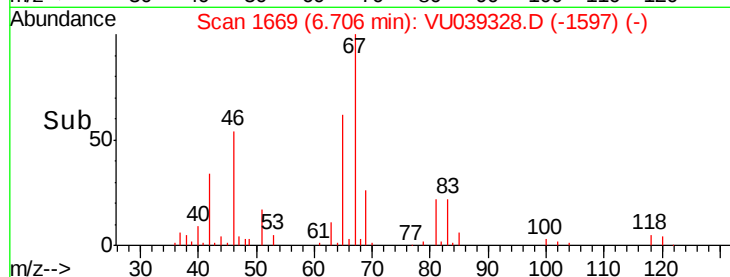
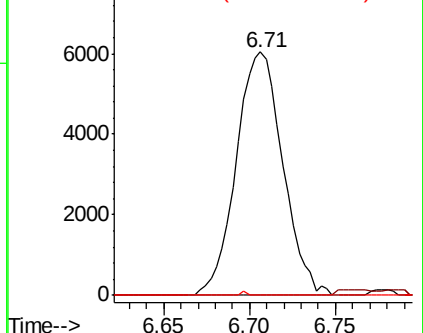
#35
Methvlcvclohexane
Concen: 0.916 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039328.D
Acq: 07 Jul 2020 20:42

Instrument :
MSVOA_U
ClientSampleId :
H4282

Tot Ion: 83 Resp: 11339
Ion Ratio Lower Upper
83 100
55 1.9 62.1 93.1#
98 0.2 35.9 53.9#

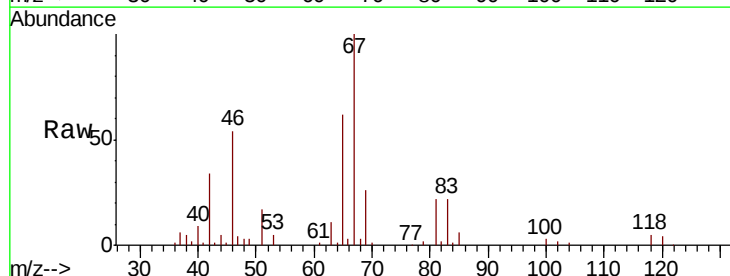


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

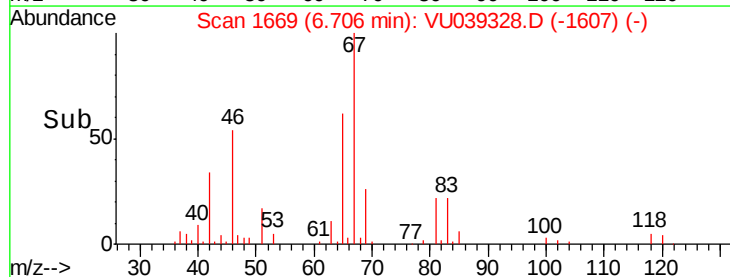
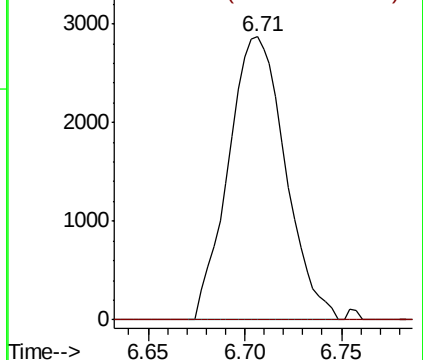


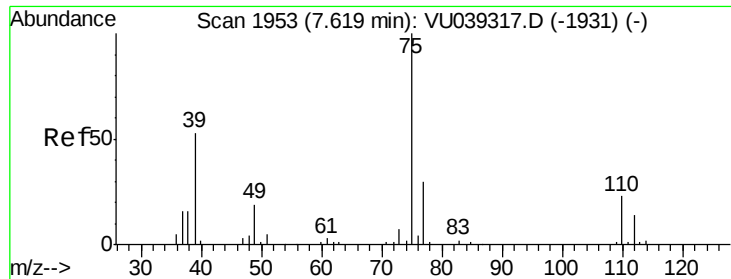
#37
1,2-Dichloropropane
Concen: 0.720 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039328.D
Acq: 07 Jul 2020 20:42

Tgt Ion: 63 Resp: 5865
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

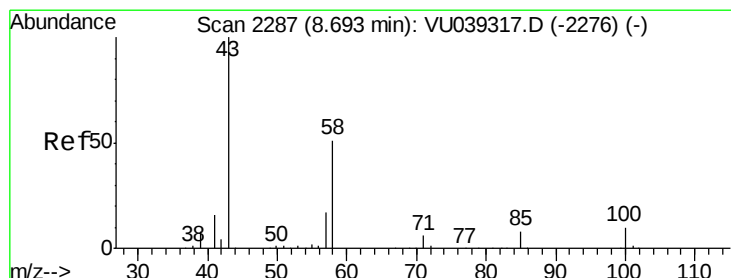
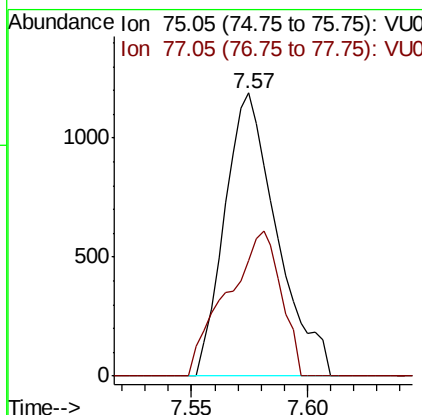
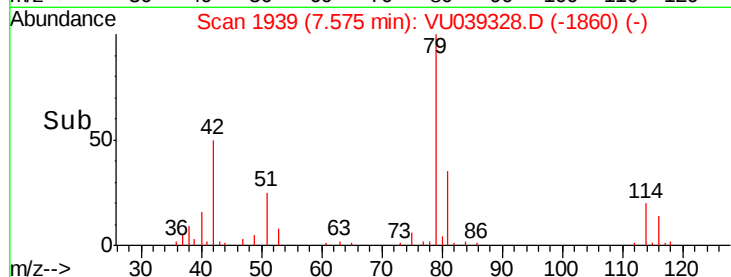
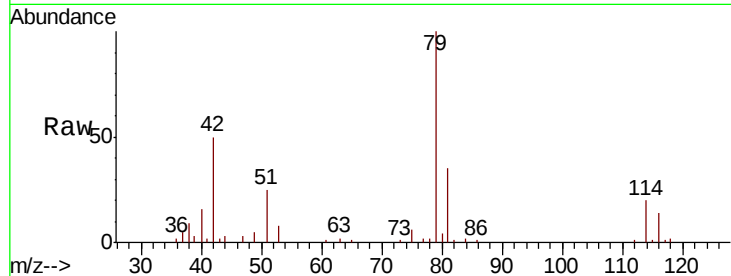




#39
 cis-1,3-Dichloropropene
 Concen: 0.151 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039328.D
 Acq: 07 Jul 2020 20:42

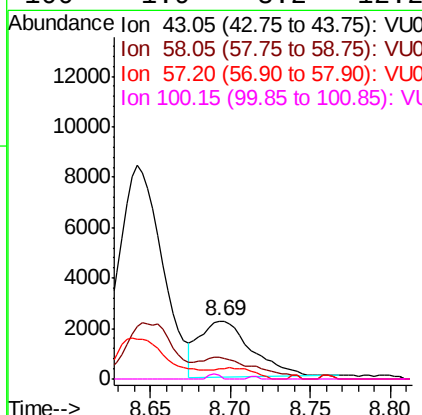
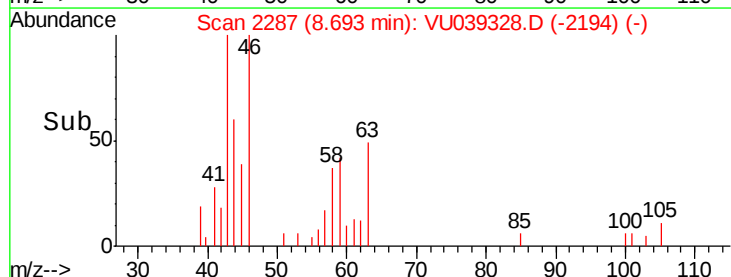
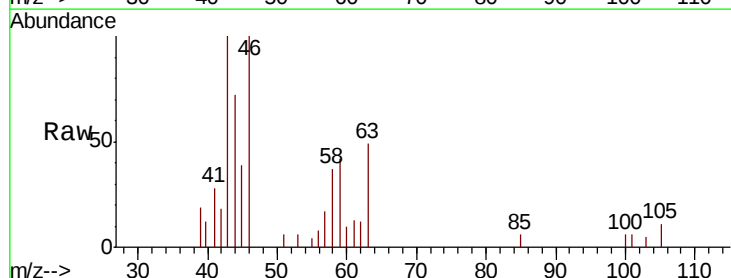
Instrument :
 MSVOA_U
 ClientSampled :
 H4282

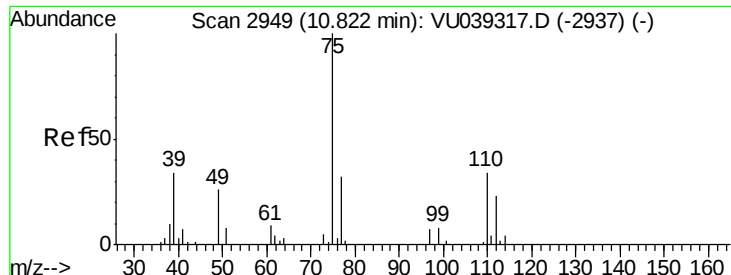
Tot Ion: 75 Resp: 1859
 Ion Ratio Lower Upper
 75 100
 77 41.0 22.3 41.3



#48
 2-Hexanone
 Concen: 1.005 ug/L
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU039328.D
 Acq: 07 Jul 2020 20:42

Tgt Ion: 43 Resp: 5036
 Ion Ratio Lower Upper
 43 100
 58 37.4 42.0 63.0#
 57 14.2 14.0 21.0
 100 1.9 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.223 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039328.D

Acq: 07 Jul 2020 20:42

Instrument :

MSVOA_U

ClientSampleId :

H4282

Tot Ion: 75 Resp: 7339

Ion Ratio Lower Upper

75 100

77 36.6 26.8 40.2

