

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039297.D
 Acq On : 06 Jul 2020 17:33
 Operator : SY/MD
 Sample : L3193-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4270

Quant Time: Jul 07 01:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:17:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110173	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53120	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48159	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.92	69	39888	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.58	63	66942	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.66	46	190383	54.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.76%
24) Chloroform-d	5.08	84	90037	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.72	65	56365	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.75	84	181136	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.71	67	60823	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.91	98	162304	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.19	79	25165	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	147480	53.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	55212	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	61138	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	6343	0.725	ug/L #	39
5) Vinyl chloride	1.61	62	463191	51.471	ug/L	88
8) Chloroethane	2.16	64	3459	0.562	ug/L #	54
12) 1,1-Dichloroethene	2.59	96	1382	0.202	ug/L #	1
13) Acetone	2.69	43	1740	1.050	ug/L	64
17) Methyl tert-butyl Ether	3.39	73	4195	0.186	ug/L #	58
18) trans-1,2-Dichloroethene	3.37	96	50611	6.803	ug/L	98
19) 1,1-Dichloroethane	3.89	63	3919	0.263	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	1013061	119.513	ug/L	97
30) Cyclohexane	5.40	56	1522	0.120	ug/L #	71
33) Benzene	5.79	78	9300	0.300	ug/L	100
34) Trichloroethene	6.56	95	32350	4.041	ug/L	97
35) Methylcyclohexane	6.71	83	13738	1.072	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	7146	0.825	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	2267	0.168	ug/L #	80
59) 1,2,3-Trichloropropane	11.81	75	8325	1.279	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039297.D
Acq On : 06 Jul 2020 17:33
Operator : SY/MD
Sample : L3193-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4270

Quant Time: Jul 07 01:20:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration

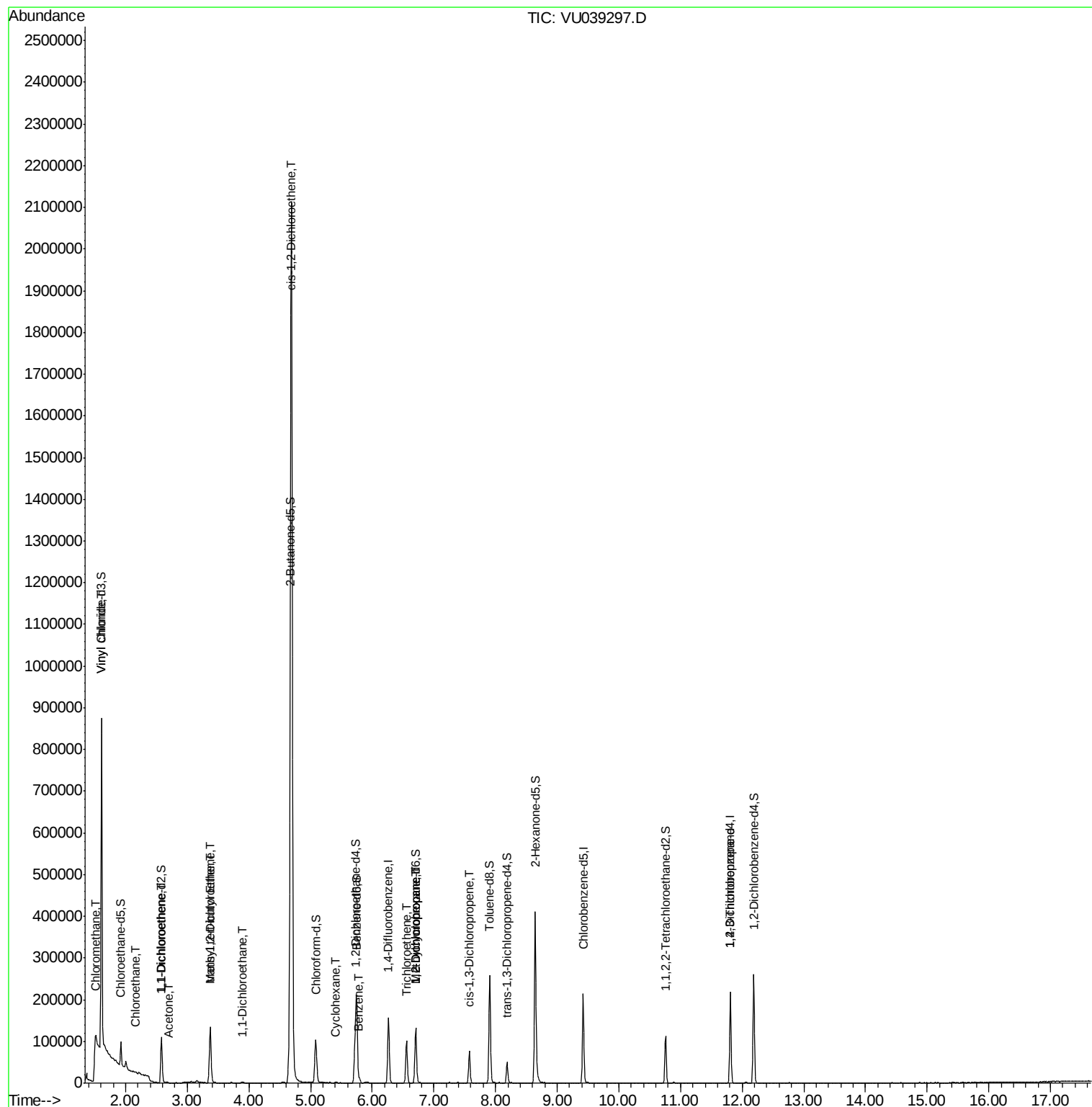
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

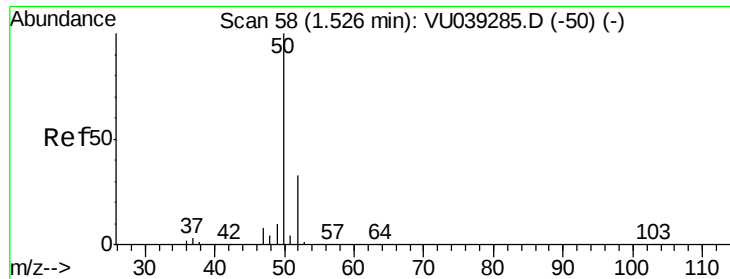
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070620\
Data File : VU039297.D
Acq On : 06 Jul 2020 17:33
Operator : SY/MD
Sample : L3193-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4270

Quant Time: Jul 07 01:20:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.725 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

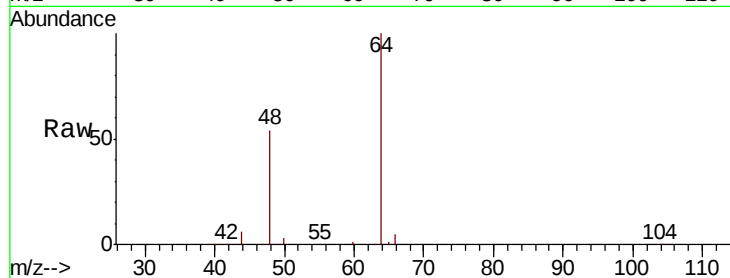
H4270

Tot Ion: 50 Resp: 6343

Ion Ratio Lower Upper

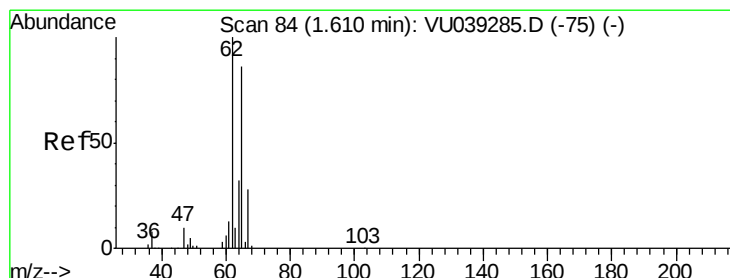
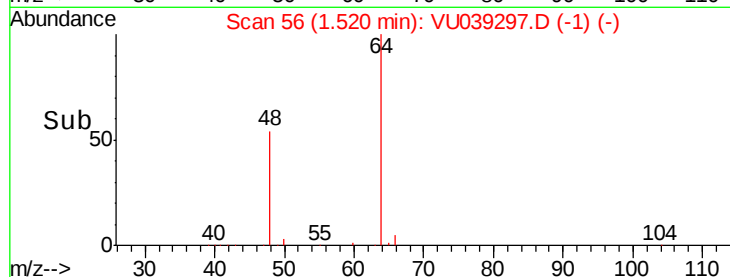
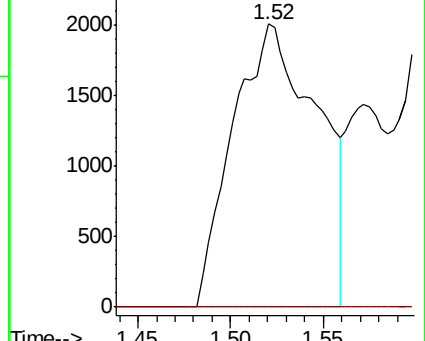
50 100

52 0.0 24.7 45.9#



Abundance Ion 50.05 (49.75 to 50.75): VU039285.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039285.D (-50) (-)



#5

Vinyl chloride

Concen: 51.471 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039297.D

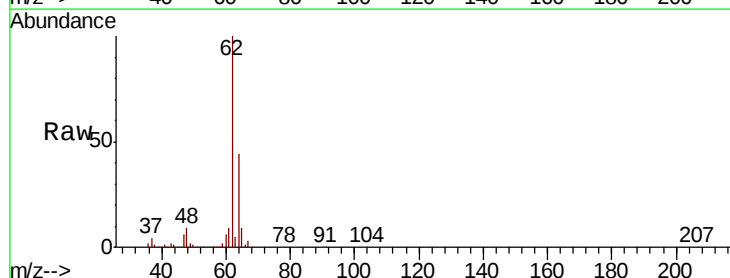
Acq: 06 Jul 2020 17:33

Tgt Ion: 62 Resp: 463191

Ion Ratio Lower Upper

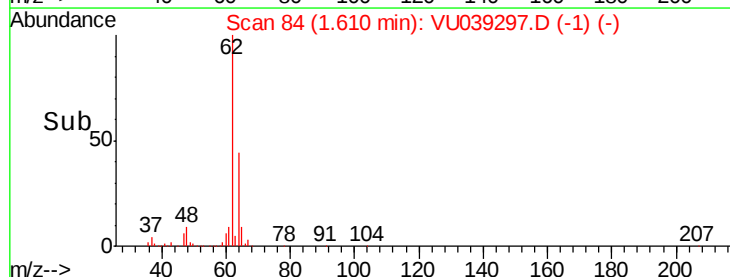
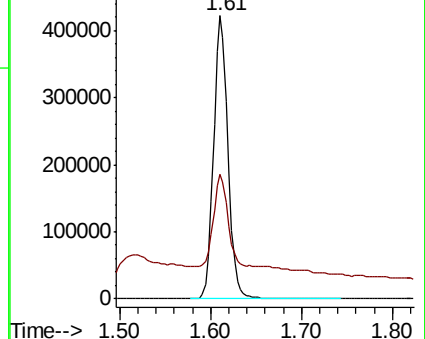
62 100

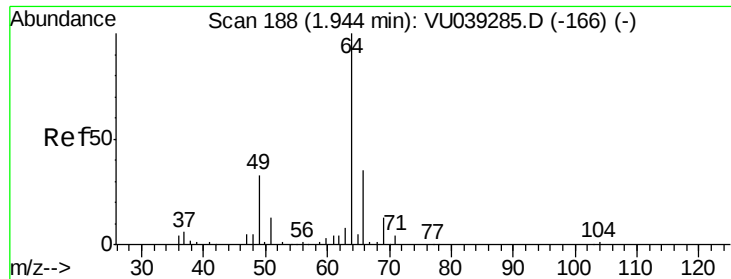
64 43.9 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039285.D (-75) (-)





#8

Chloroethane

Concen: 0.562 ug/L

RT: 2.16 min Scan# 256

Delta R.T. 0.22 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

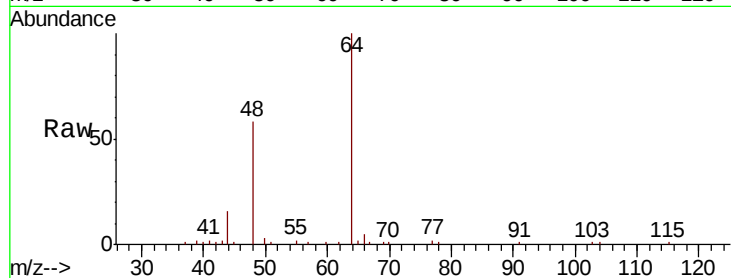
H4270

Tot Ion: 64 Resp: 3459

Ion Ratio Lower Upper

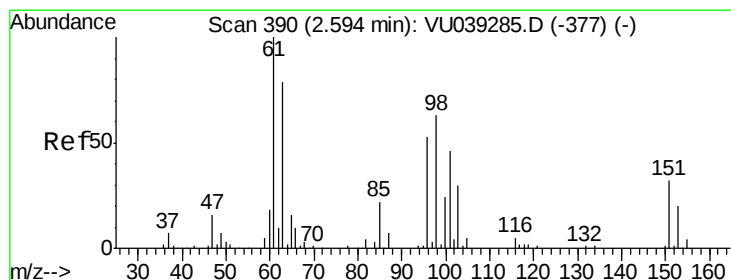
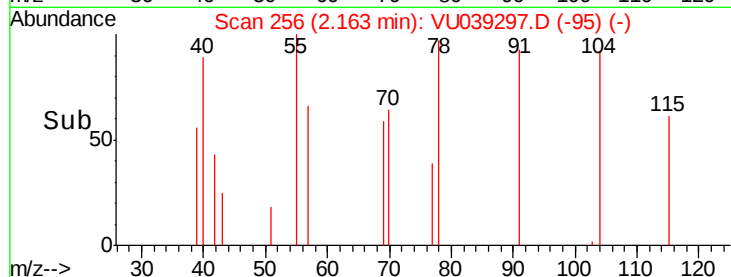
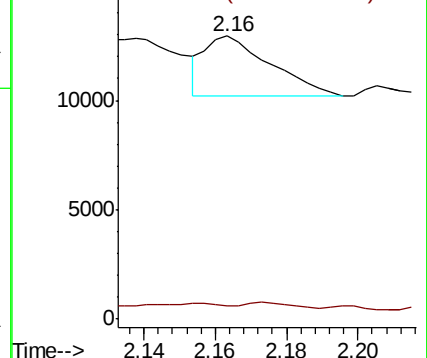
64 100

66 4.6 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

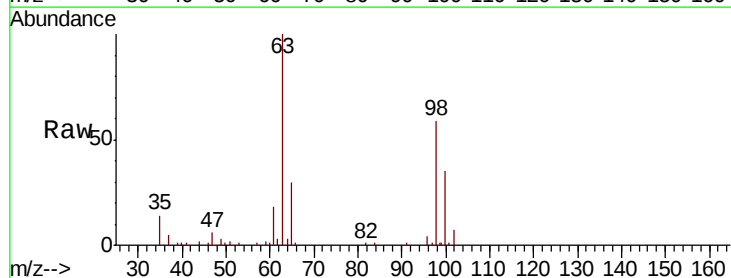
Tgt Ion: 96 Resp: 1382

Ion Ratio Lower Upper

96 100

61 466.1 123.8 230.0#

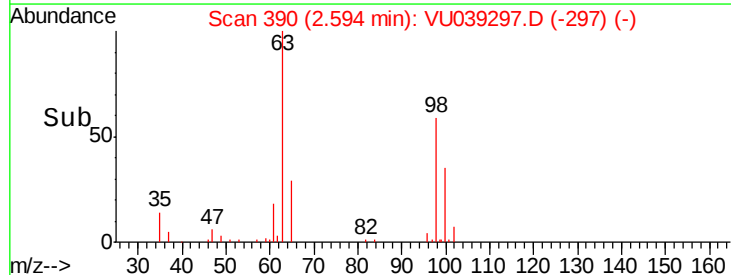
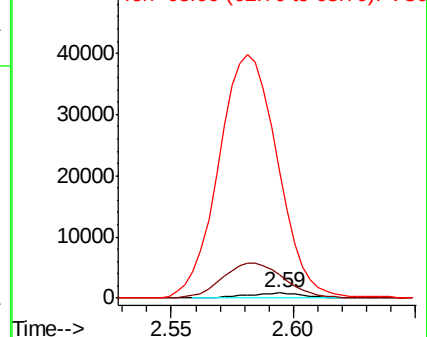
63 2535.4 112.1 208.3#

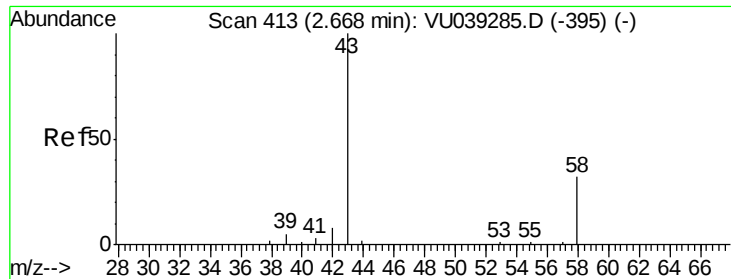


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.050 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.02 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

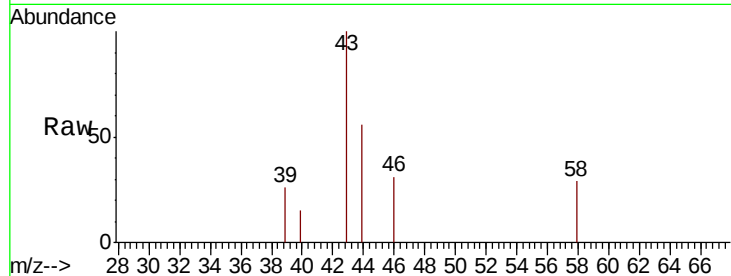
H4270

Tot Ion: 43 Resp: 1740

Ion Ratio Lower Upper

43 100

58 11.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039297.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU039297.D (-320) (-)

2.69

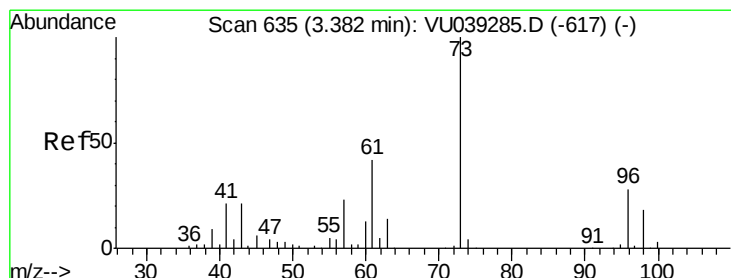
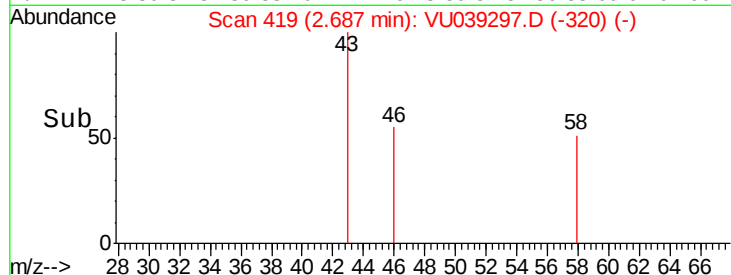
600

400

200

0

Time--> 2.60 2.65 2.70



#17

Methyl tert-butyl Ether

Concen: 0.186 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

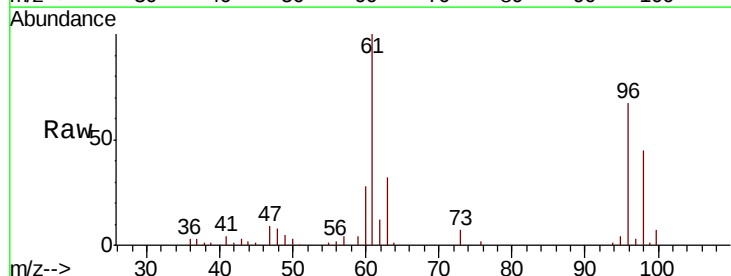
Tgt Ion: 73 Resp: 4195

Ion Ratio Lower Upper

73 100

43 33.0 17.5 26.3#

57 52.1 18.6 27.8#



Abundance Ion 73.10 (72.80 to 73.80): VU039297.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU039297.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU039297.D (-542) (-)

3.39

2000

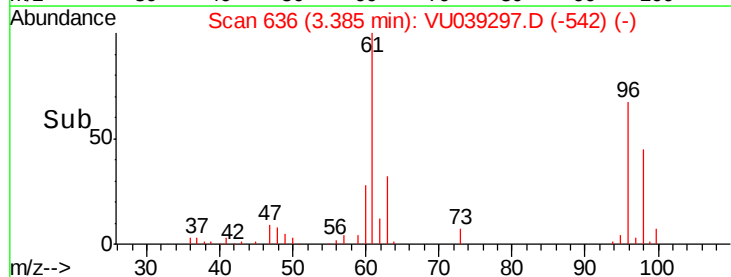
1500

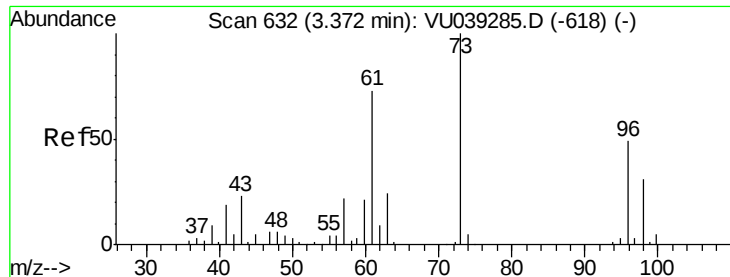
1000

500

0

Time--> 3.30 3.35 3.40 3.45

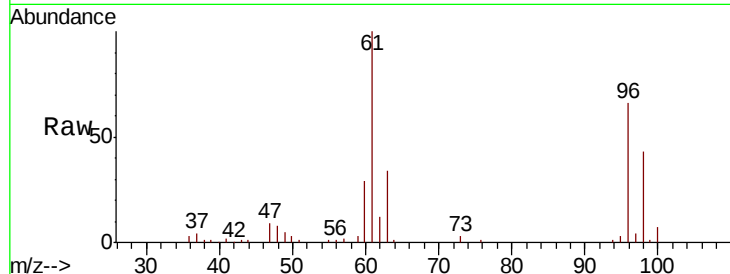




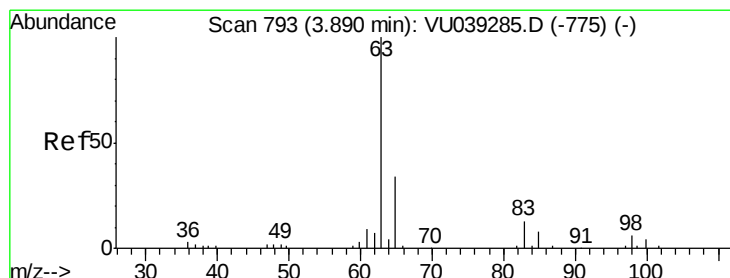
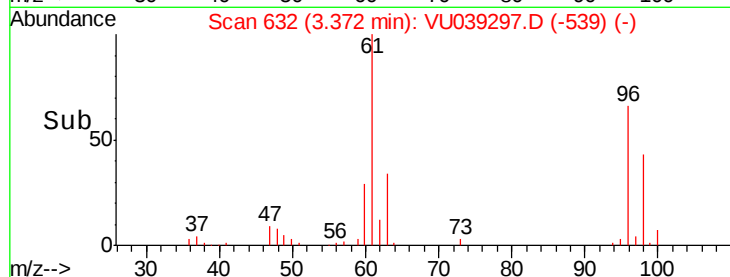
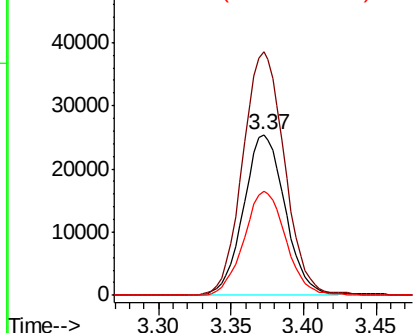
#18
trans-1,2-Dichloroethene
Concen: 6.803 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

Instrument :
MSVOA_U
ClientSampleId :
H4270

Tot Ion: 96 Resp: 50611
Ion Ratio Lower Upper
96 100
61 151.5 104.7 194.5
98 64.5 43.1 80.1

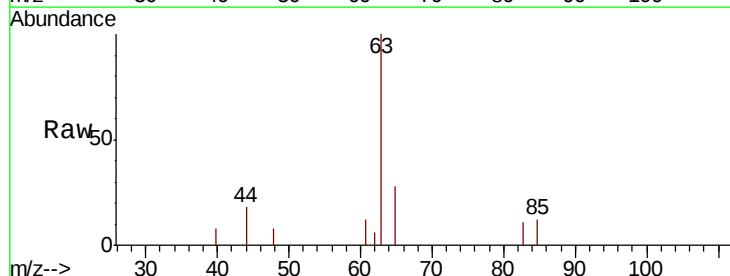


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

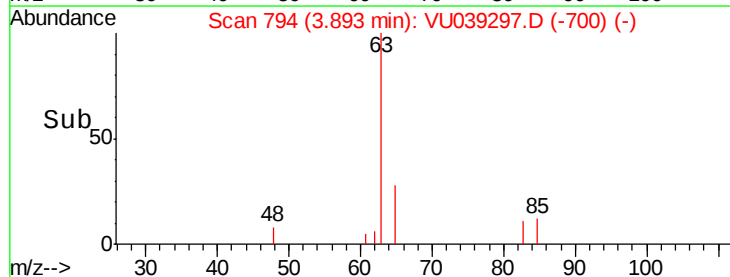
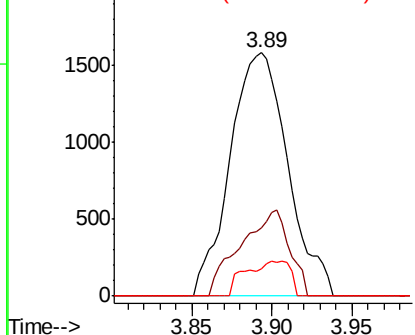


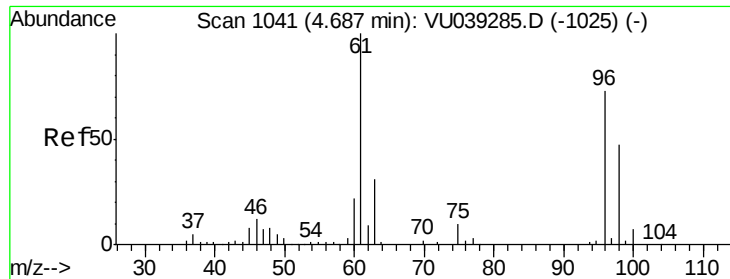
#19
1,1-Dichloroethane
Concen: 0.263 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

Tgt Ion: 63 Resp: 3919
Ion Ratio Lower Upper
63 100
65 28.3 22.7 42.3
83 11.3 9.1 16.9



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





#22

cis-1,2-Dichloroethene

Concen: 119.513 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Instrument :

MSVOA_U

ClientSampleId :

H4270

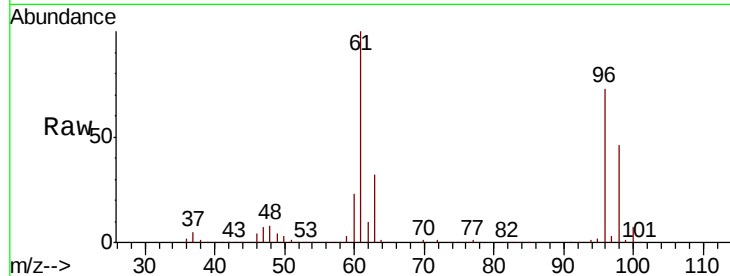
Tot Ion: 96 Resp: 1013061

Ion Ratio Lower Upper

96 100

61 137.9 93.7 173.9

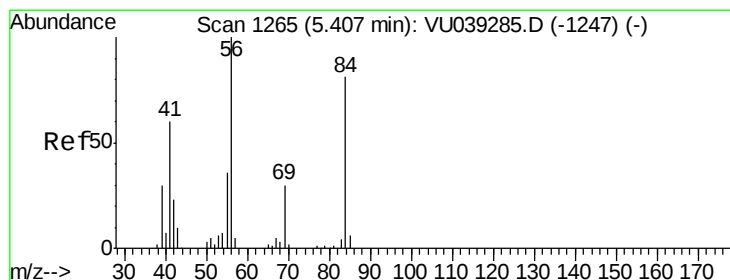
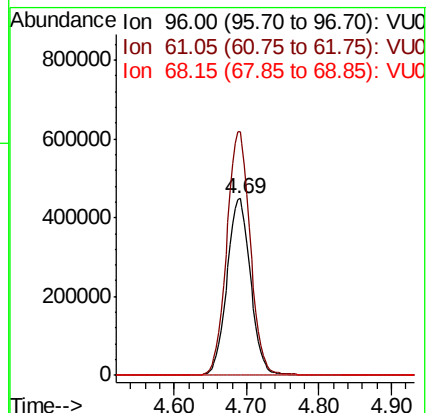
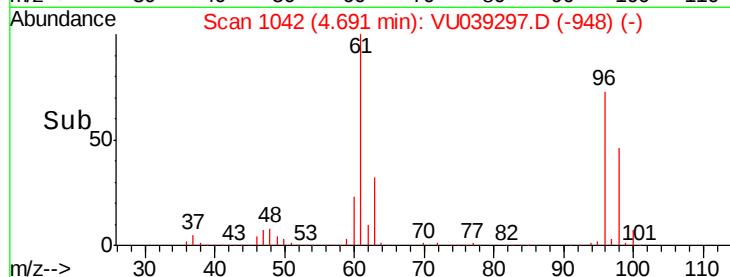
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039297.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039297.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039297.D (-948) (-)



#30

Cyclohexane

Concen: 0.120 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

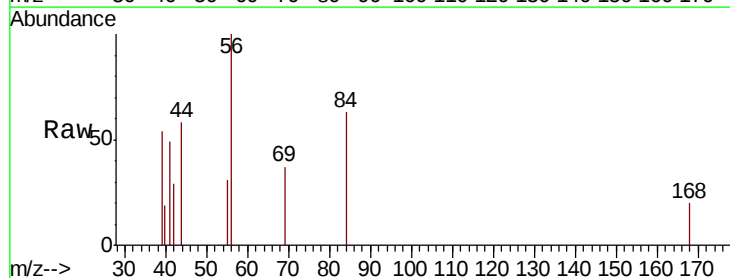
Tgt Ion: 56 Resp: 1522

Ion Ratio Lower Upper

56 100

69 36.2 24.2 36.4

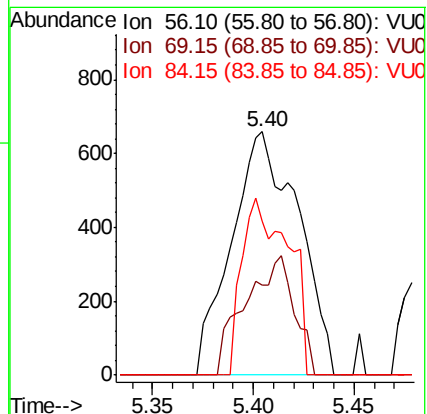
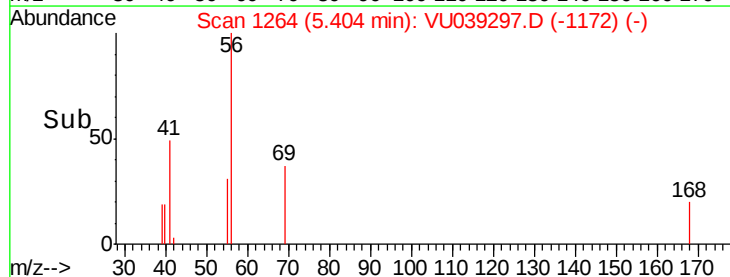
84 51.4 67.0 100.4#

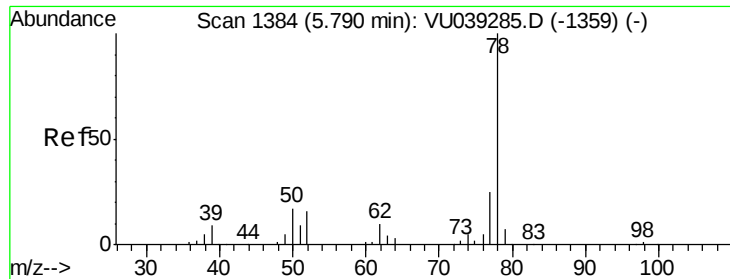


Abundance Ion 56.10 (55.80 to 56.80): VU039297.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU039297.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU039297.D (-1172) (-)





#33

Benzene

Concen: 0.300 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

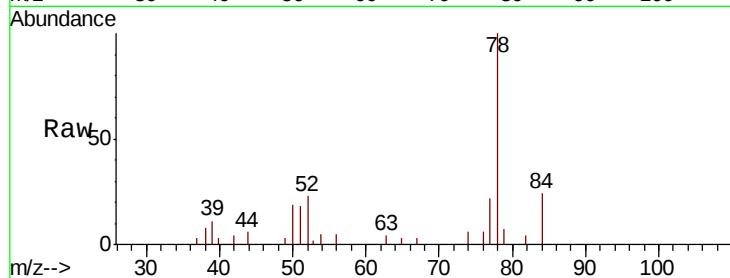
Instrument :

MSVOA_U

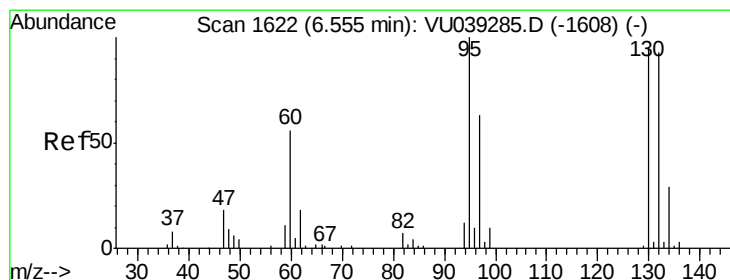
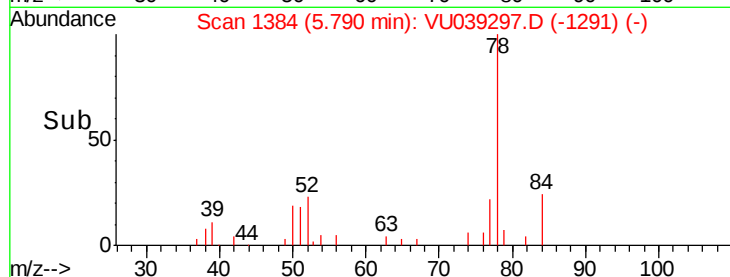
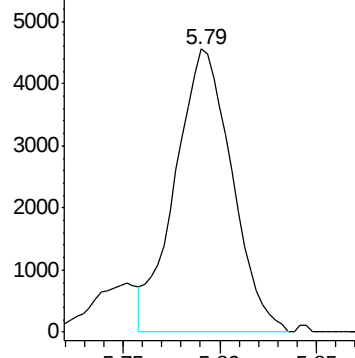
ClientSampleId :

H4270

Tgt Ion: 78 Resp: 9300



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.041 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039297.D

Acq: 06 Jul 2020 17:33

Tgt Ion: 95 Resp: 32350

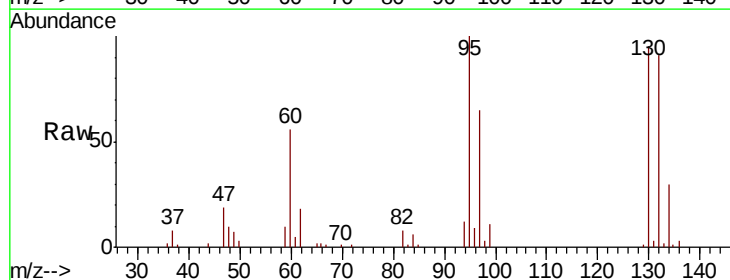
Ion	Ratio	Lower	Upper
95	100		
97	64.9	47.0	87.2
132	91.2	65.0	120.8
130	94.9	69.8	129.6

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

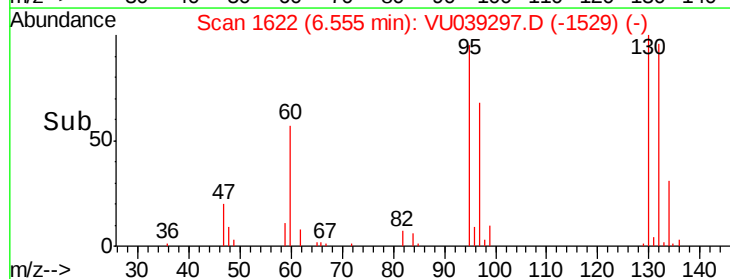


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0



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): VU0

Ion 129.95 (129.65 to 130.65): VU0

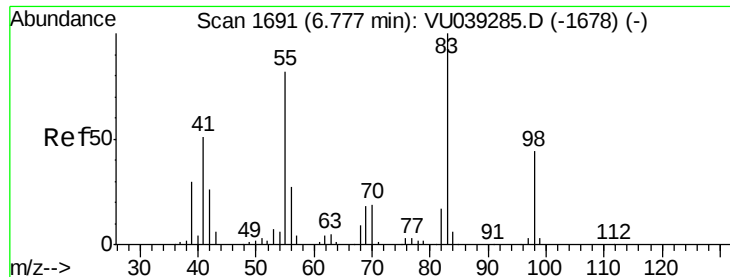
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

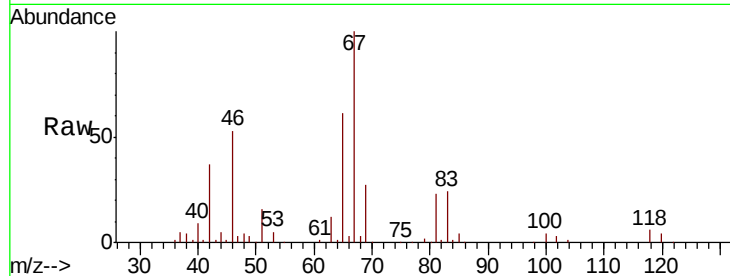
Time-->



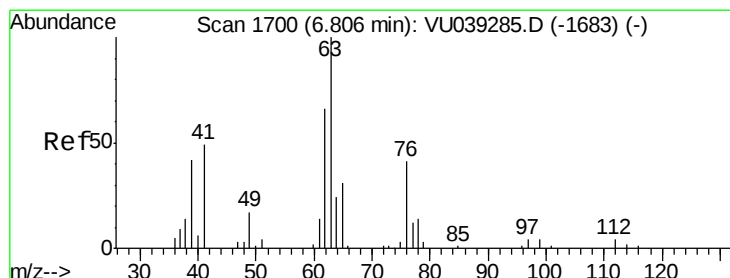
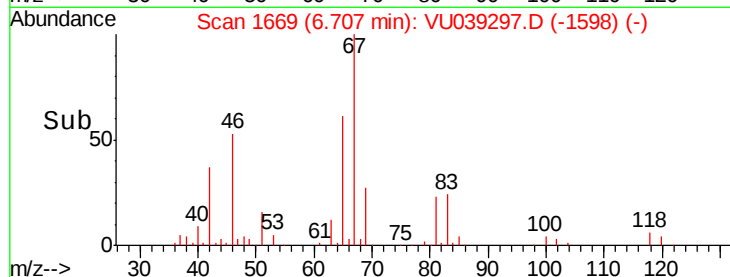
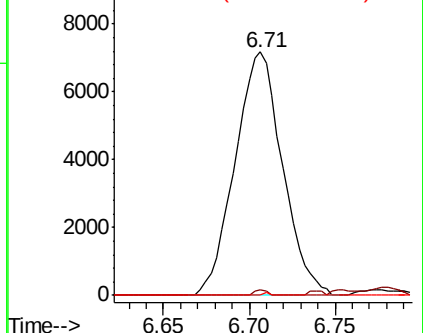
#35
Methvlcvclohexane
Concen: 1.072 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

Instrument :
MSVOA_U
ClientSampleId :
H4270

Tot Ion: 83 Resp: 13738
Ion Ratio Lower Upper
83 100
55 0.6 63.3 94.9#
98 0.0 37.4 56.2#

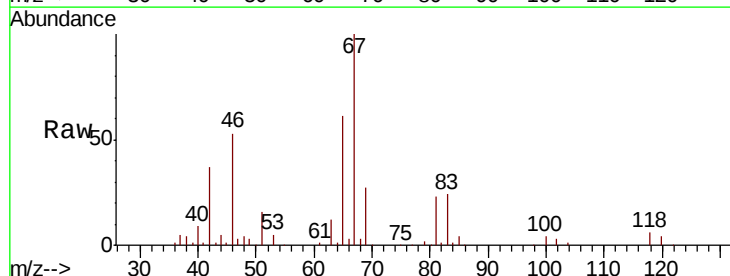


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

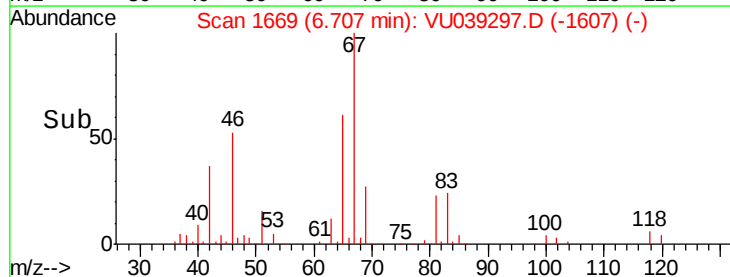
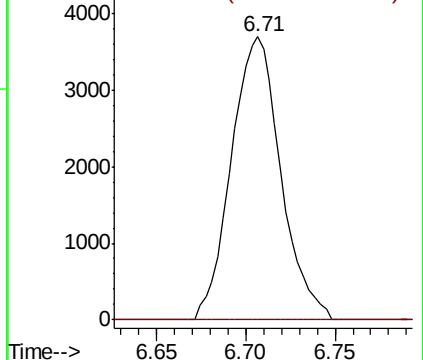


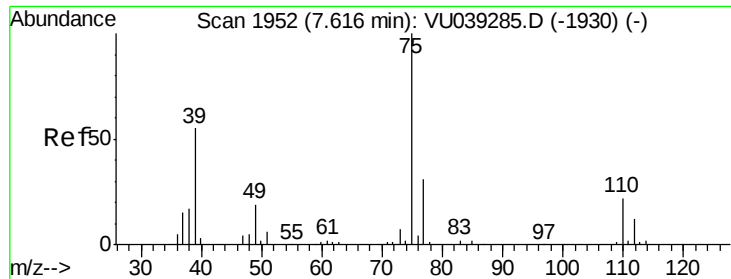
#37
1,2-Dichloropropane
Concen: 0.825 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039297.D
Acq: 06 Jul 2020 17:33

Tgt Ion: 63 Resp: 7146
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#



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

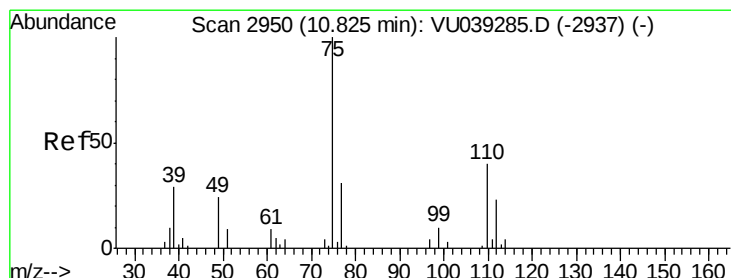
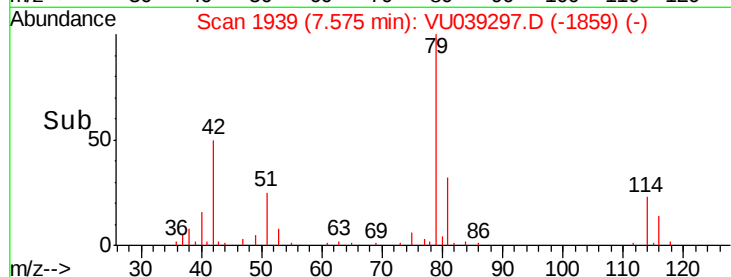
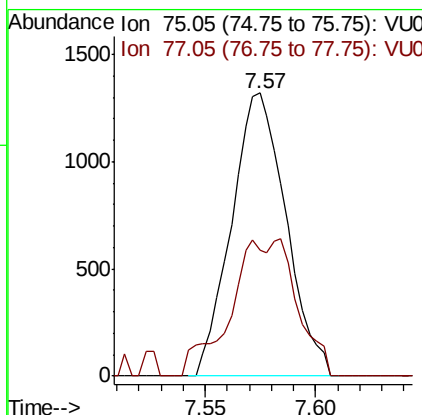
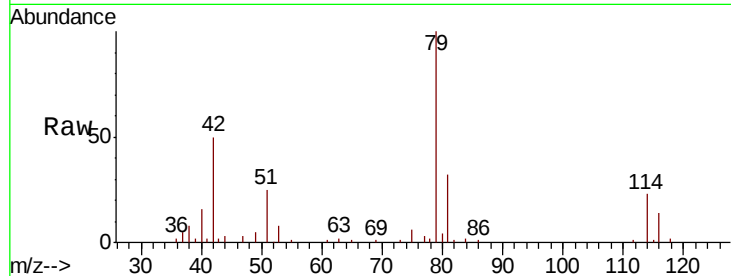




#39
 cis-1,3-Dichloropropene
 Concen: 0.168 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039297.D
 Acq: 06 Jul 2020 17:33

Instrument :
 MSVOA_U
 ClientSampleId :
 H4270

Tot Ion: 75 Resp: 2267
 Ion Ratio Lower Upper
 75 100
 77 44.7 23.3 43.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.279 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.98 min
 Lab File: VU039297.D
 Acq: 06 Jul 2020 17:33

Tgt Ion: 75 Resp: 8325
 Ion Ratio Lower Upper
 75 100
 77 38.8 27.7 41.5

