

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070620\
 Data File : VU039301.D
 Acq On : 06 Jul 2020 19:05
 Operator : SY/MD
 Sample : L3193-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4282

Quant Time: Jul 07 01:21:15 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	111366	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	103215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	47032	5.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.80%
7) Chloroethane-d5	1.92	69	39782	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	65763	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.67	46	186985	57.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.86%
24) Chloroform-d	5.08	84	87547	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.72	65	53519	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	176171	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
36) 1,2-Dichloropropane-d6	6.71	67	58068	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.91	98	158639	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	8.19	79	23079	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.65	63	145542	56.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.16%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	53019	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	58460	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	3189	0.395 ug/L #	39
5) Vinyl chloride	1.61	62	215318	25.951 ug/L #	79
8) Chloroethane	2.15	64	782	0.138 ug/L #	54
12) 1,1-Dichloroethene	2.58	96	706	0.112 ug/L #	1
13) Acetone	2.67	43	2910	1.905 ug/L	72
17) Methyl tert-butyl Ether	3.38	73	44219	2.131 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	8708	1.270 ug/L	97
19) 1,1-Dichloroethane	3.90	63	5481	0.399 ug/L	90
21) 2-Butanone	4.75	43	50687	18.233 ug/L	86
22) cis-1,2-Dichloroethene	4.69	96	98574	12.613 ug/L	97
30) Cyclohexane	5.40	56	947	0.080 ug/L #	89
33) Benzene	5.79	78	7479	0.257 ug/L	100
34) Trichloroethene	6.56	95	1493	0.199 ug/L	85
35) Methylcyclohexane	6.70	83	12411	1.033 ug/L #	19
37) 1,2-Dichloropropane	6.71	63	6829	0.841 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	2154	0.171 ug/L #	81
48) 2-Hexanone	8.64	43	19245	3.768 ug/L #	71

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration

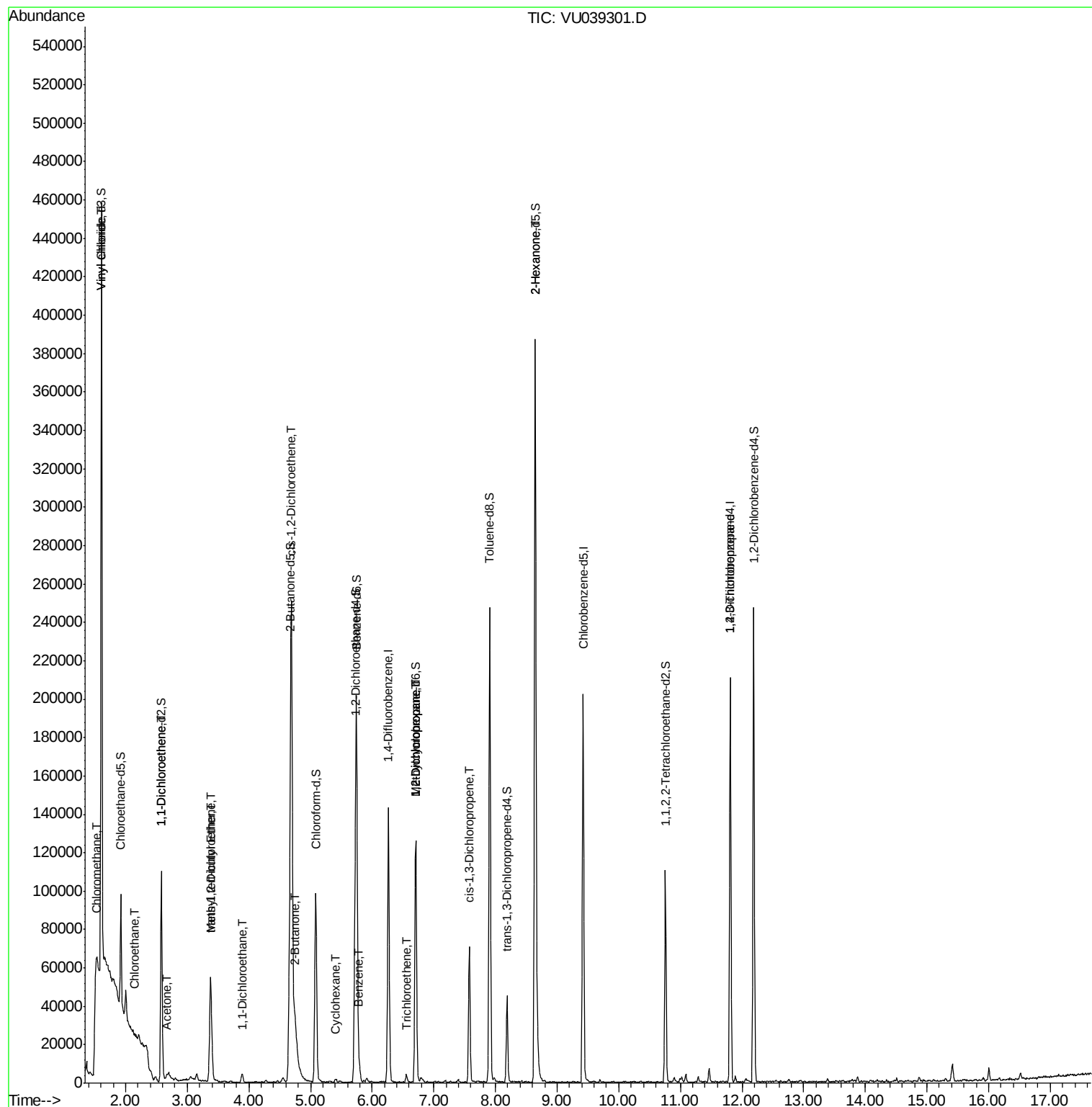
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	7483	1.227	ug/L	97

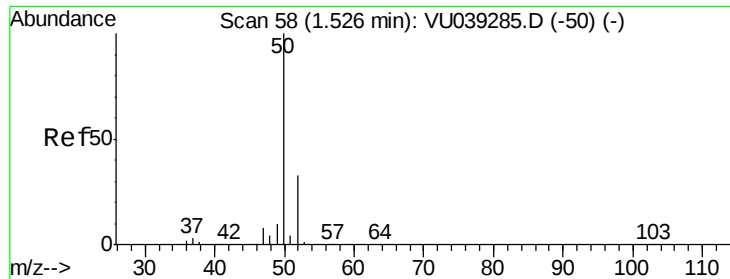
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 07 01:17:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.395 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

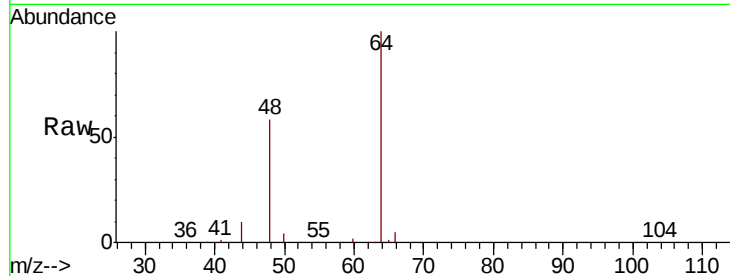
H4282

Tot Ion: 50 Resp: 3189

Ion Ratio Lower Upper

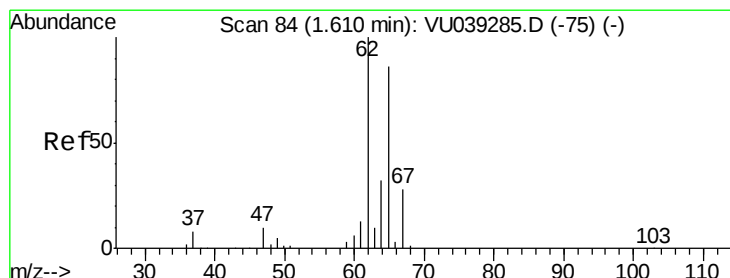
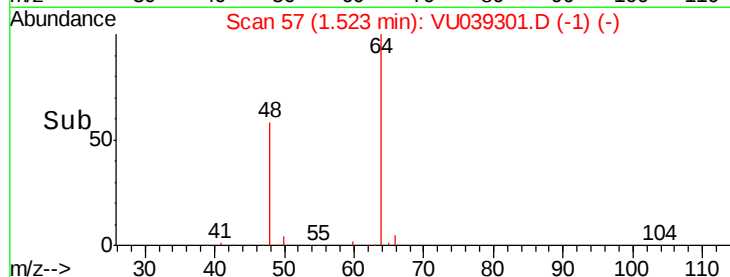
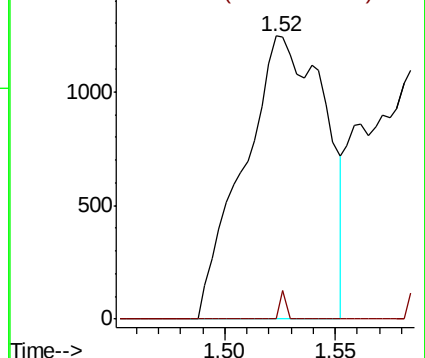
50 100

52 0.0 24.7 45.9#



Abundance Ion 50.05 (49.75 to 50.75): VU039301.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039301.D (-1) (-)



#5

Vinyl chloride

Concen: 25.951 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039301.D

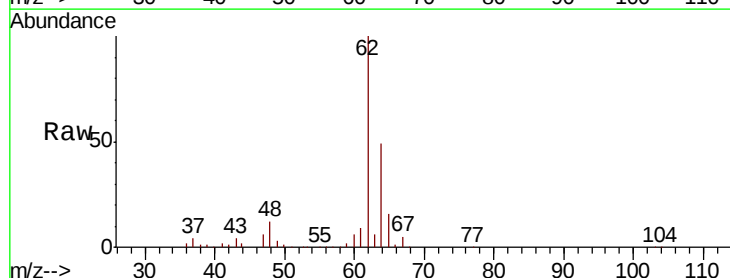
Acq: 06 Jul 2020 19:05

Tgt Ion: 62 Resp: 215318

Ion Ratio Lower Upper

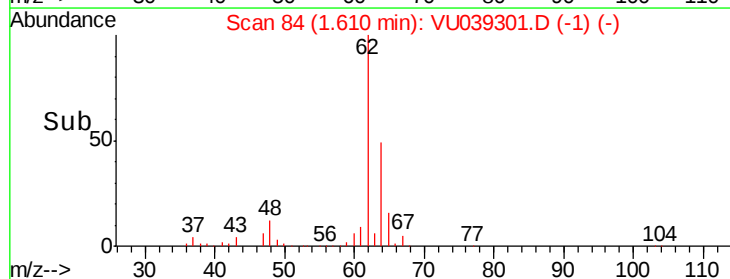
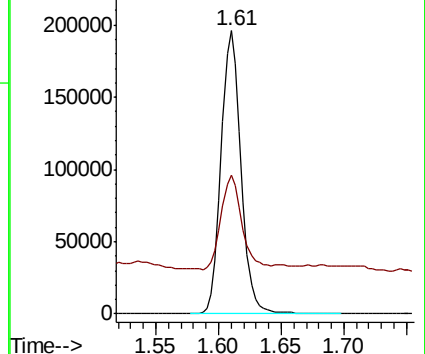
62 100

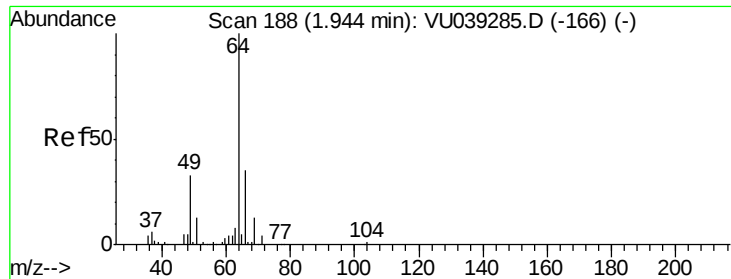
64 49.0 25.6 47.4#



Abundance Ion 62.00 (61.70 to 62.70): VU039301.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039301.D (-1) (-)





#8

Chloroethane

Concen: 0.138 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.21 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

Instrument :

MSVOA_U

ClientSampled :

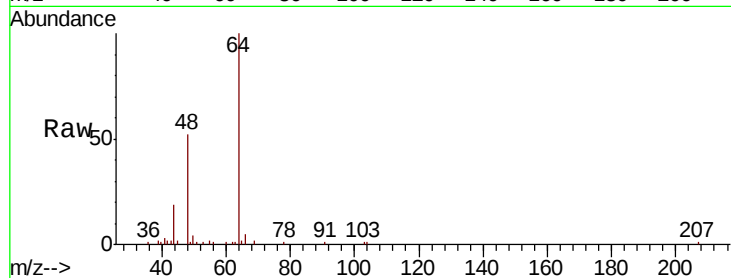
H4282

Tot Ion: 64 Resp: 782

Ion Ratio Lower Upper

64 100

66 5.0 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

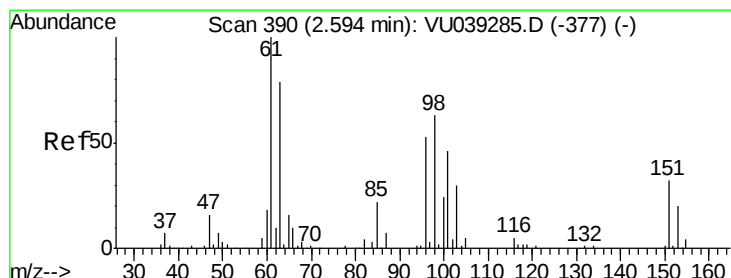
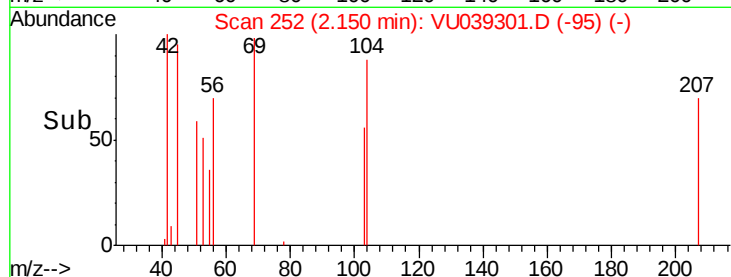
2.15

10000

5000

0

Time--> 2.13 2.14 2.15 2.16 2.17



#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

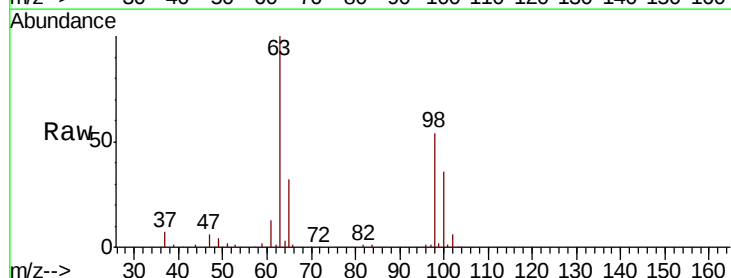
Tgt Ion: 96 Resp: 706

Ion Ratio Lower Upper

96 100

61 1458.0 123.8 230.0#

63 11090.9 112.1 208.3#



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

50000

40000

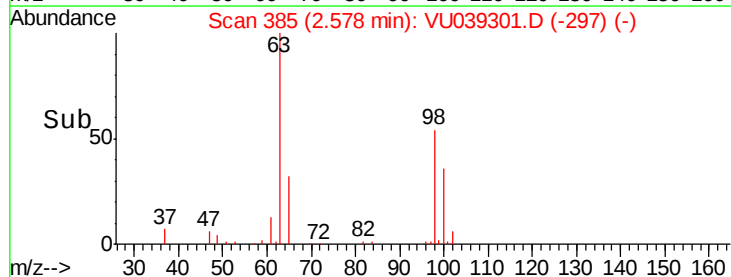
30000

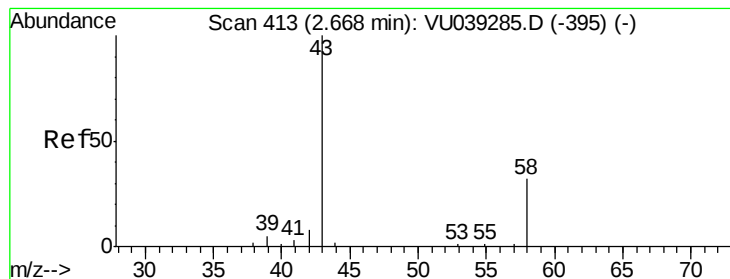
20000

10000

0

Time--> 2.55 2.58 2.60





#13

Acetone

Concen: 1.905 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

Instrument :

MSVOA_U

ClientSampled :

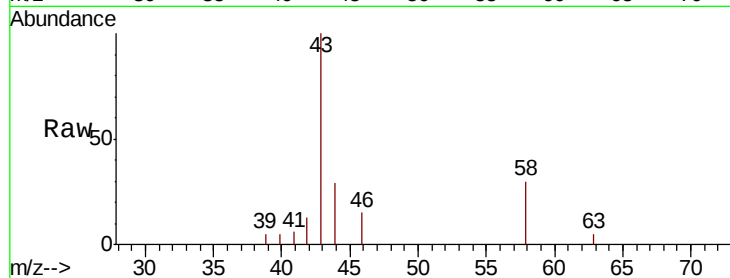
H4282

Tot Ion: 43 Resp: 2910

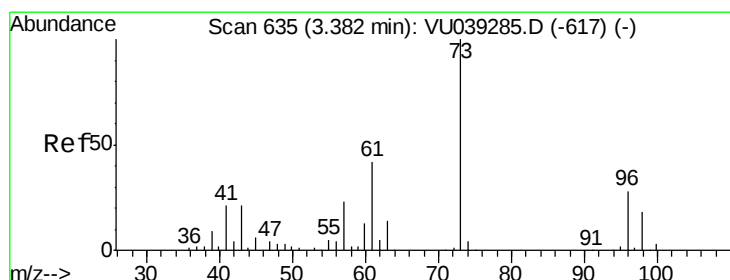
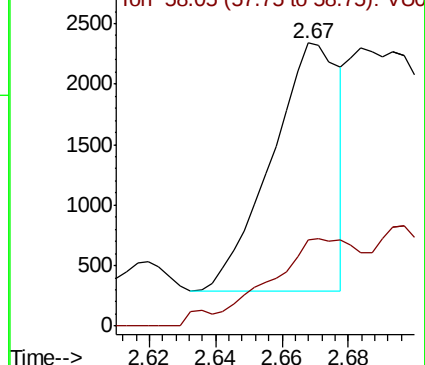
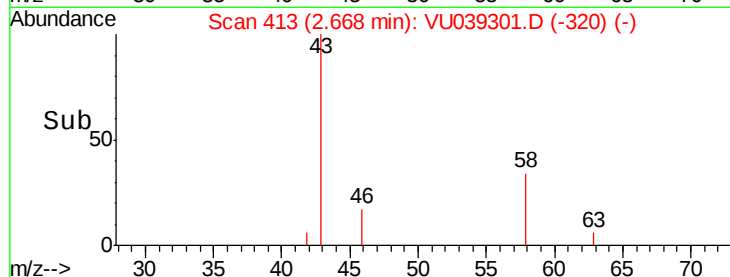
Ion Ratio Lower Upper

43 100

58 47.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039301.D (-320) (-)



#17

Methyl tert-butyl Ether

Concen: 2.131 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

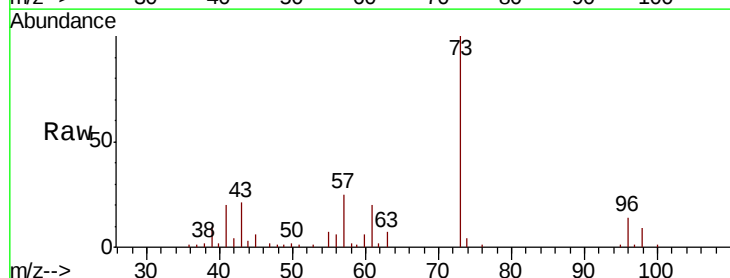
Tgt Ion: 73 Resp: 44219

Ion Ratio Lower Upper

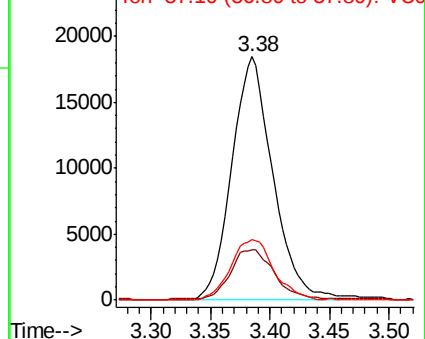
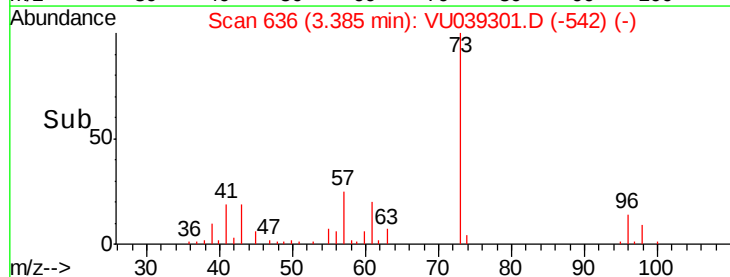
73 100

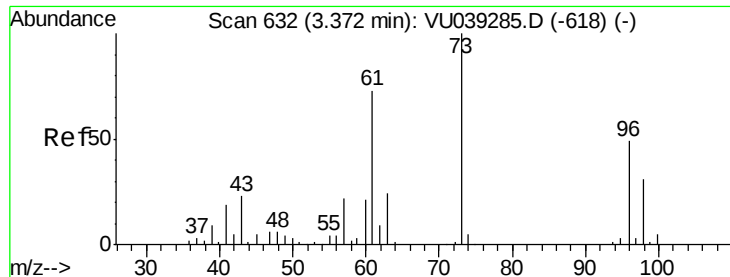
43 21.3 17.5 26.3

57 25.9 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039301.D (-542) (-)

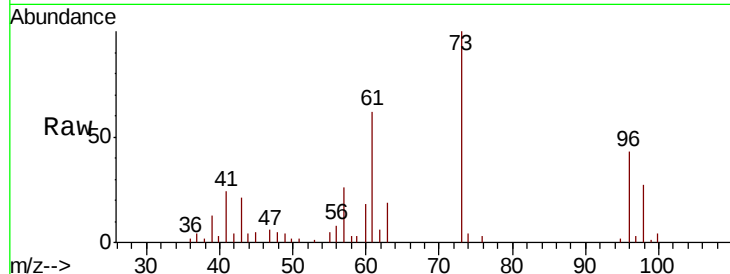




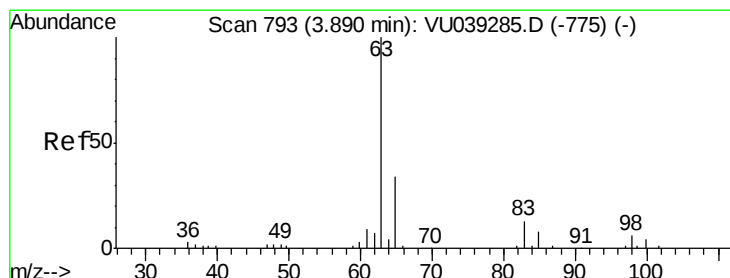
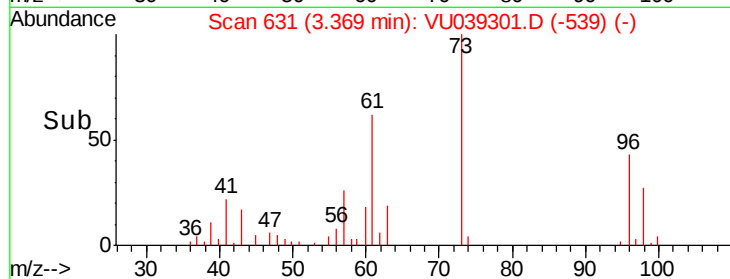
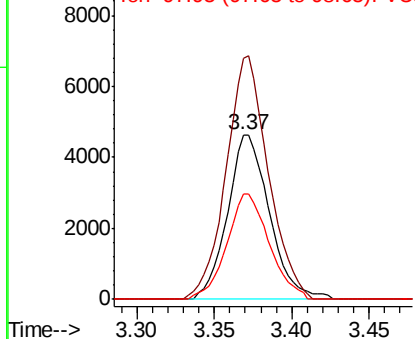
#18
trans-1,2-Dichloroethene
Concen: 1.270 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Instrument :
MSVOA_U
ClientSampled :
H4282

Tot Ion: 96 Resp: 8708
Ion Ratio Lower Upper
96 100
61 146.5 104.7 194.5
98 64.1 43.1 80.1

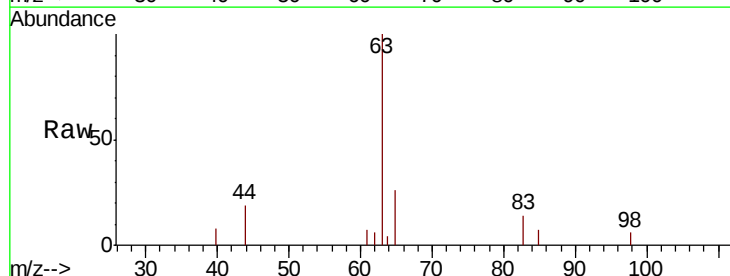


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

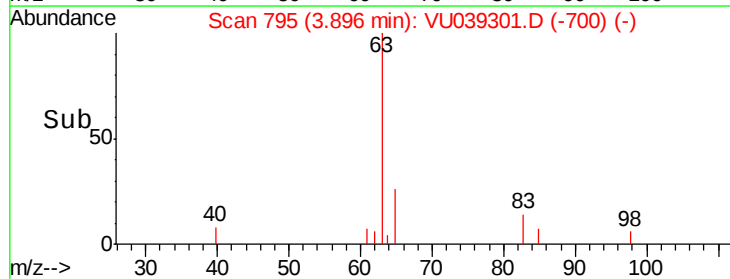
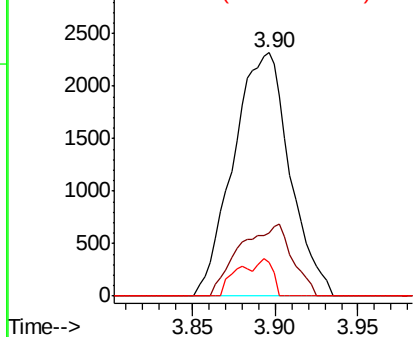


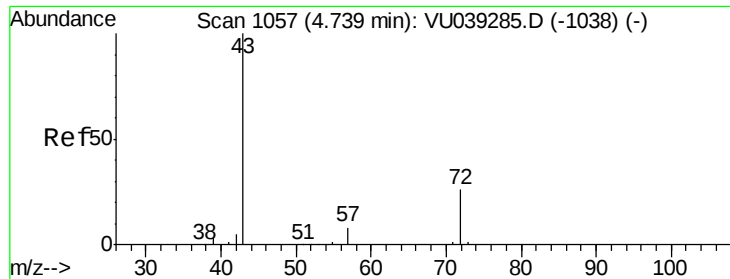
#19
1,1-Dichloroethane
Concen: 0.399 ug/L
RT: 3.90 min Scan# 795
Delta R.T. 0.01 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Tgt Ion: 63 Resp: 5481
Ion Ratio Lower Upper
63 100
65 24.6 22.7 42.3
83 13.1 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





#21

2-Butanone

Concen: 18.233 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

Instrument :

MSVOA_U

ClientSampleId :

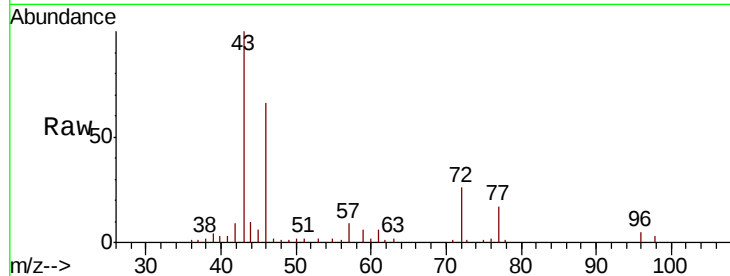
H4282

Tot Ion: 43 Resp: 50687

Ion Ratio Lower Upper

43 100

72 18.5 12.8 38.3



Abundance Ion 43.05 (42.75 to 43.75): VU039285.D (-1038) (-)

Ion 72.10 (71.80 to 72.80): VU039285.D (-1038) (-)

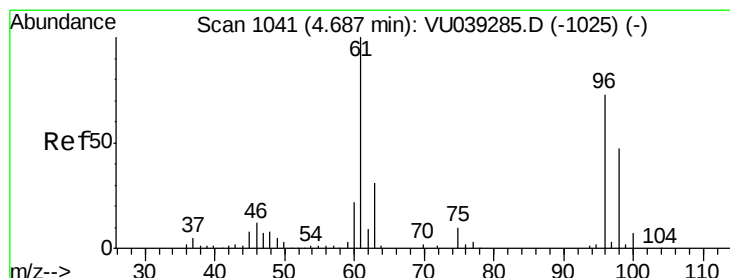
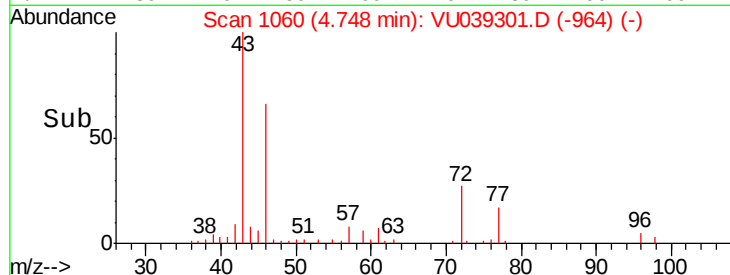
4.75

10000

5000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 12.613 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

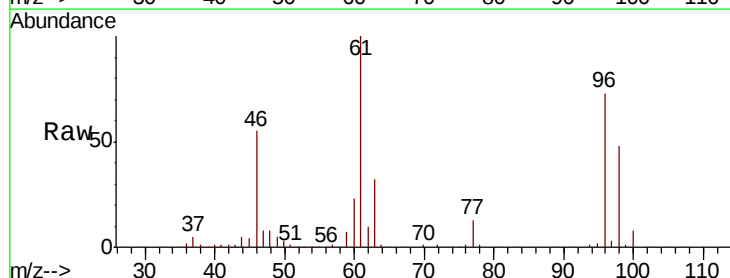
Tgt Ion: 96 Resp: 98574

Ion Ratio Lower Upper

96 100

61 137.8 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039285.D (-1025) (-)

80000

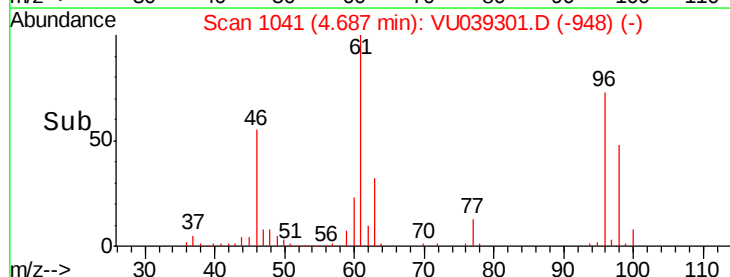
60000

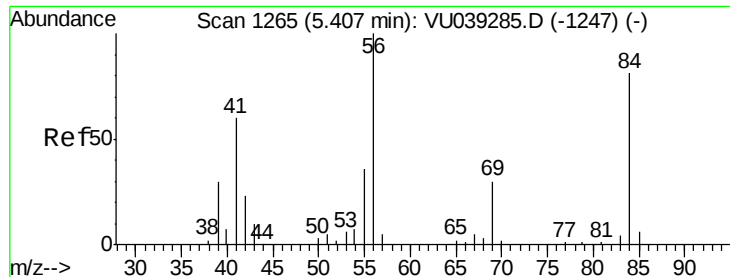
40000

20000

0

Time-->

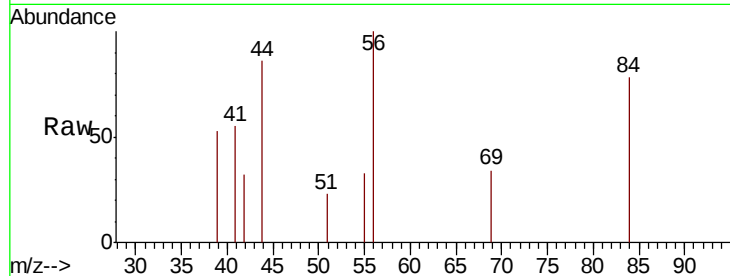




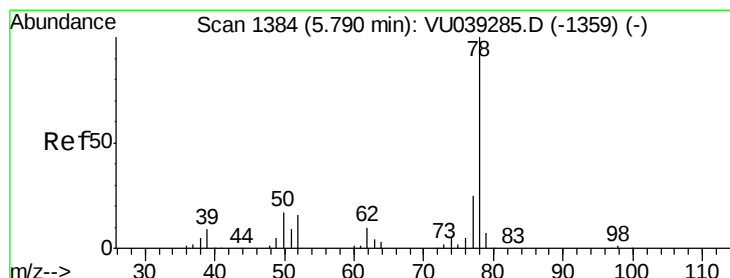
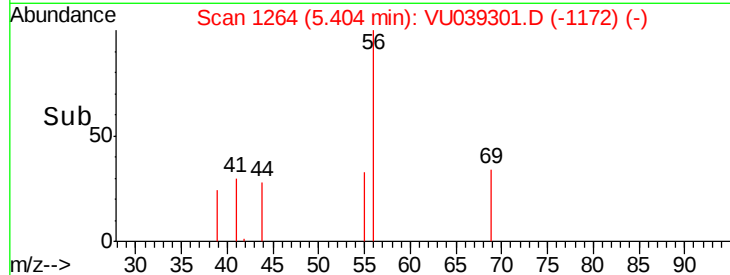
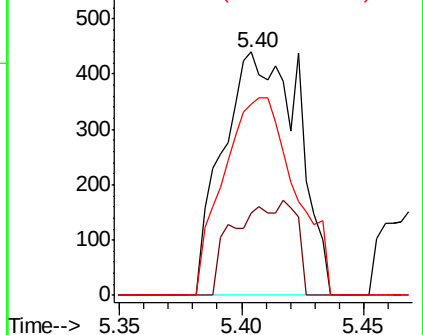
#30
Cyclohexane
Concen: 0.080 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Instrument :
MSVOA_U
ClientSampleId :
H4282

Tot Ion: 56 Resp: 947
Ion Ratio Lower Upper
56 100
69 19.0 24.2 36.4#
84 76.6 67.0 100.4

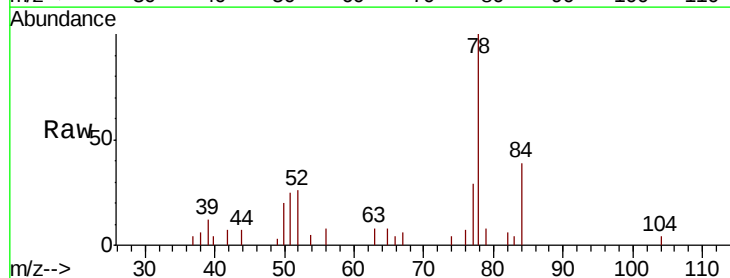


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

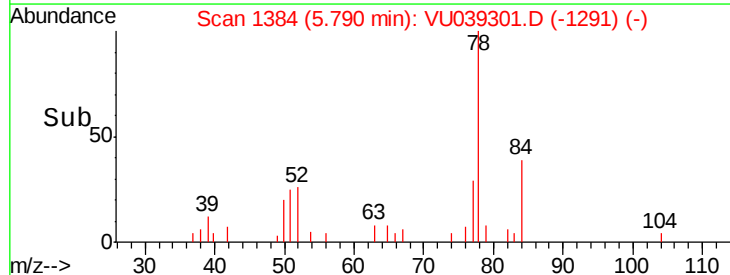
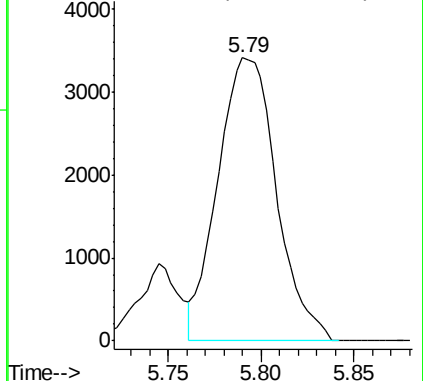


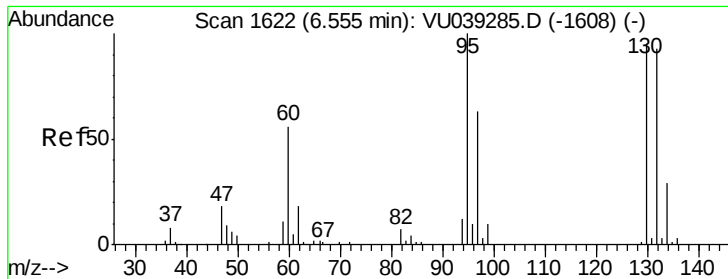
#33
Benzene
Concen: 0.257 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Tgt Ion: 78 Resp: 7479



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.199 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

Instrument :

MSVOA_U

ClientSampled :

H4282

Tot Ion: 95 Resp: 1493

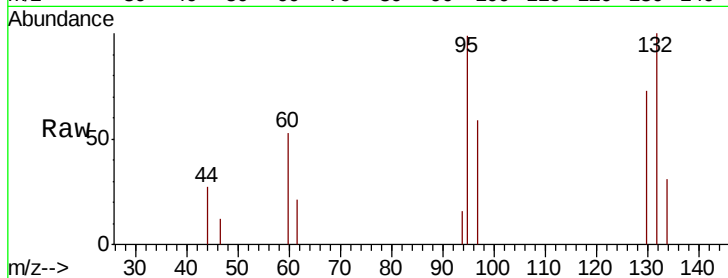
Ion Ratio Lower Upper

95 100

97 58.8 47.0 87.2

132 100.5 65.0 120.8

130 73.7 69.8 129.6

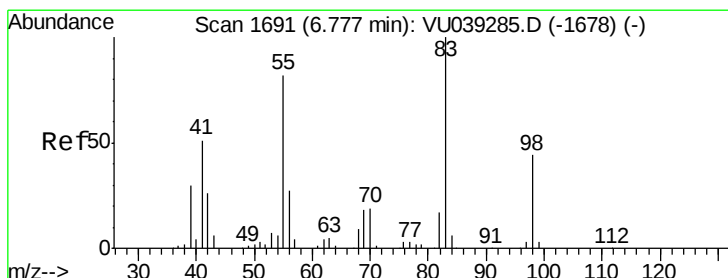
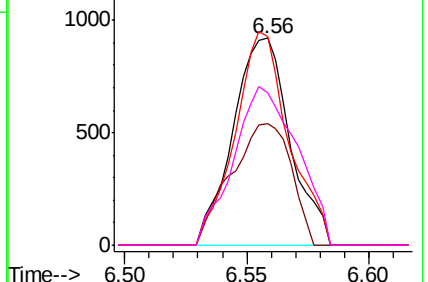
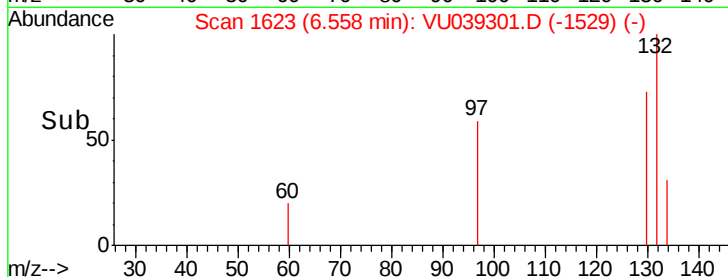


Abundance Ion 95.00 (94.70 to 95.70): VU039301.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039301.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039301.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039301.D (-1529) (-)



#35

Methylcyclohexane

Concen: 1.033 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039301.D

Acq: 06 Jul 2020 19:05

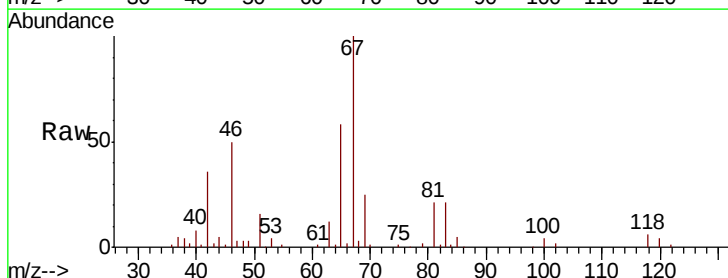
Tgt Ion: 83 Resp: 12411

Ion Ratio Lower Upper

83 100

55 1.7 63.3 94.9#

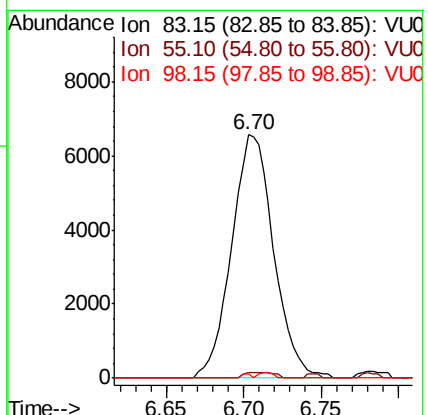
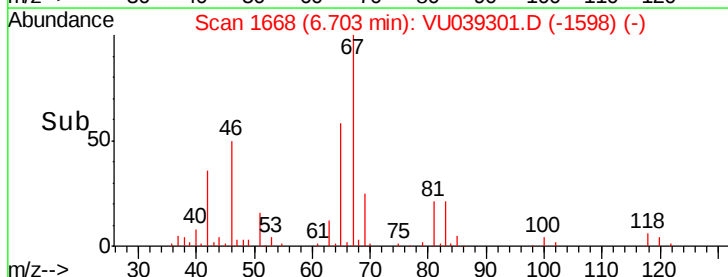
98 0.3 37.4 56.2#

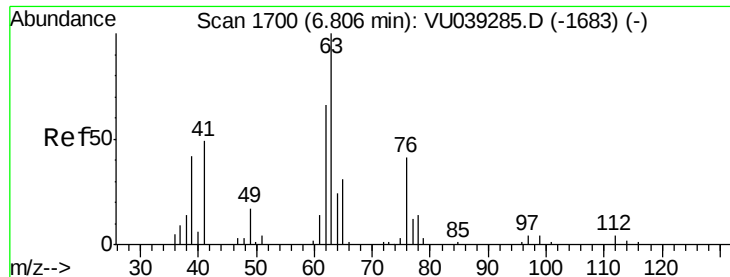


Abundance Ion 83.15 (82.85 to 83.85): VU039301.D (-1598) (-)

Ion 55.10 (54.80 to 55.80): VU039301.D (-1598) (-)

Ion 98.15 (97.85 to 98.85): VU039301.D (-1598) (-)

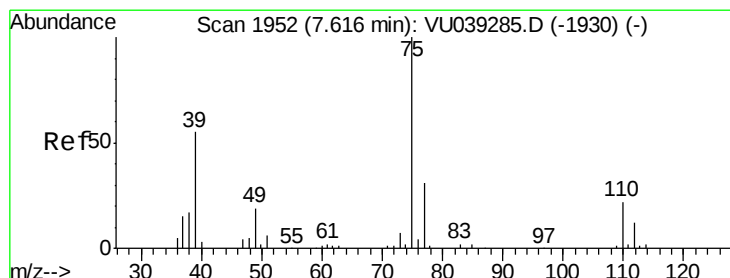
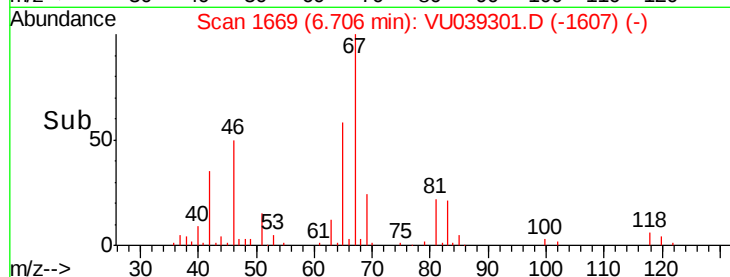
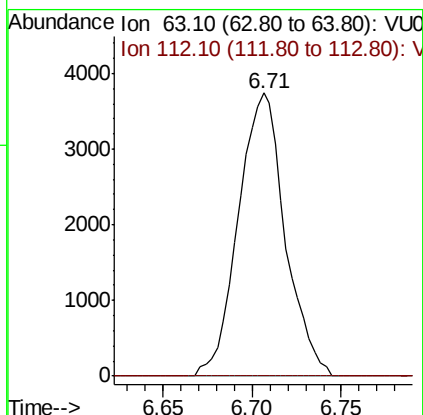
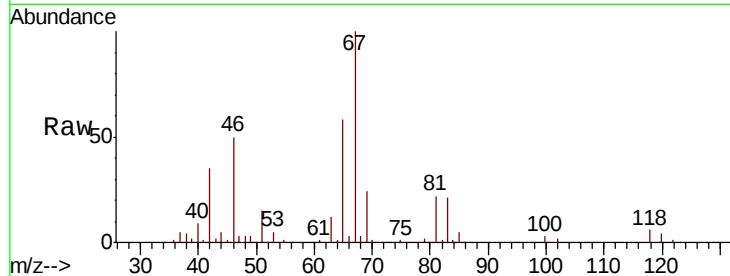




#37
 1,2-Dichloropropane
 Concen: 0.841 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039301.D
 Acq: 06 Jul 2020 19:05

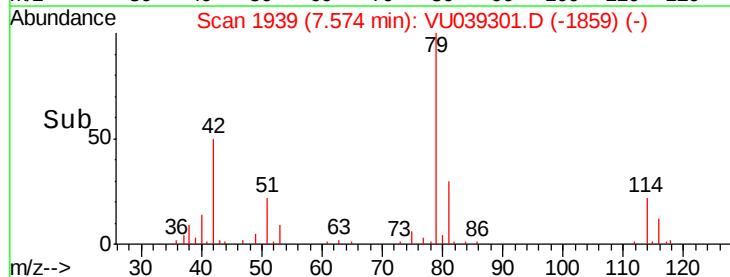
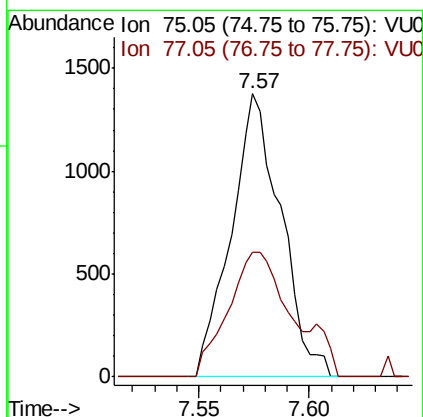
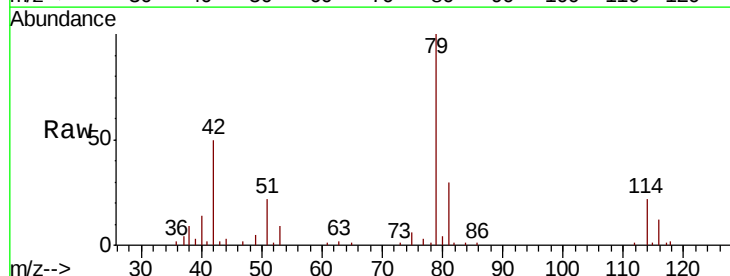
Instrument :
 MSVOA_U
 ClientSampleId :
 H4282

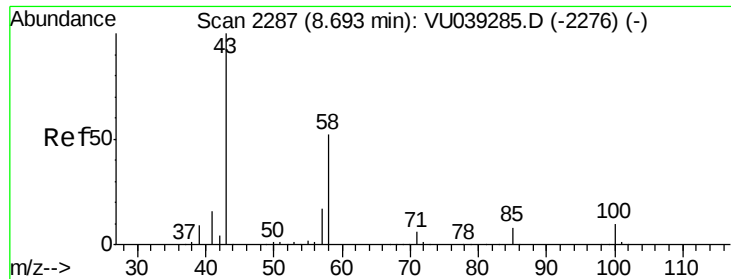
Tot Ion: 63 Resp: 6829
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.171 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039301.D
 Acq: 06 Jul 2020 19:05

Tgt Ion: 75 Resp: 2154
 Ion Ratio Lower Upper
 75 100
 77 44.3 23.3 43.3#

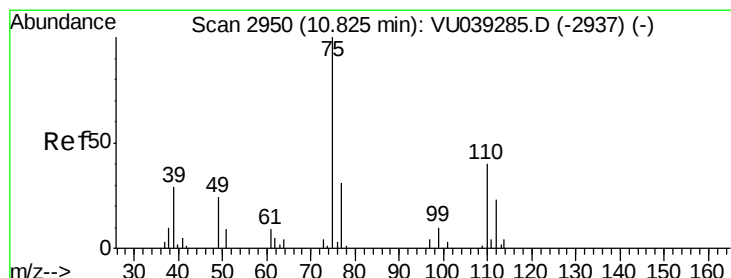
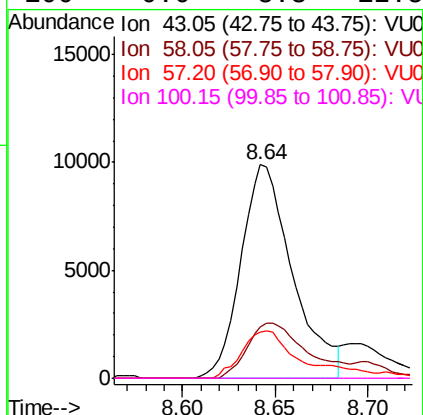
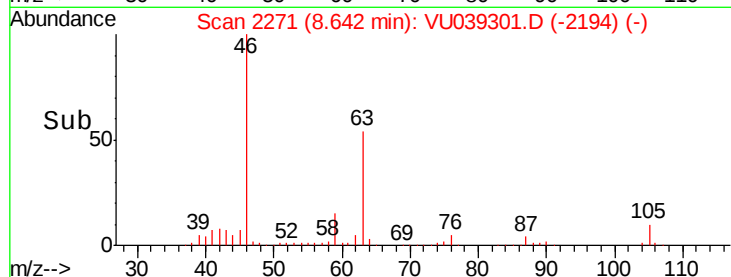
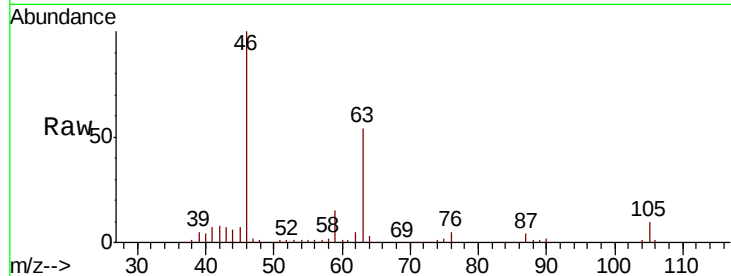




#48
2-Hexanone
Concen: 3.768 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Instrument :
MSVOA_U
ClientSampleId :
H4282

Tot Ion: 43 Resp: 19245
Ion Ratio Lower Upper
43 100
58 30.1 43.1 64.7#
57 25.2 14.4 21.6#
100 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 1.227 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.98 min
Lab File: VU039301.D
Acq: 06 Jul 2020 19:05

Tgt Ion: 75 Resp: 7483
Ion Ratio Lower Upper
75 100
77 36.6 27.7 41.5

