

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\
 Data File : VU039400.D
 Acq On : 09 Jul 2020 17:11
 Operator : SY/MD
 Sample : L3231-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4291

Quant Time: Jul 10 00:22:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	99379	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30543	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.93	69	28080	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	42328	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.66	46	128263	48.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.34%
24) Chloroform-d	5.09	84	66738	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.72	65	41493	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.75	84	124815	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
36) 1,2-Dichloropropane-d6	6.71	67	42788	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.91	98	106494	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	8.19	79	16681	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.64	63	97197	48.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.62%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	38778	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	42783	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	3413	0.468	ug/L #	42
5) Vinyl chloride	1.61	62	404674	49.940	ug/L	86
8) Chloroethane	2.10	64	4675	0.799	ug/L #	48
14) Carbon disulfide	2.81	76	1507	0.072	ug/L #	76
15) Methyl Acetate	3.05	43	1970	0.524	ug/L #	52
17) Methyl tert-butyl Ether	3.39	73	25677	1.379	ug/L #	92
18) trans-1,2-Dichloroethene	3.37	96	17260	2.638	ug/L	97
19) 1,1-Dichloroethane	3.89	63	4977	0.389	ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	126977	17.307	ug/L	97
30) Cyclohexane	5.41	56	826	0.073	ug/L #	70
33) Benzene	5.80	78	10975	0.404	ug/L	100
35) Methylcyclohexane	6.71	83	9125	0.811	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5242	0.708	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1337	0.119	ug/L #	39
48) 2-Hexanone	8.69	43	4347	0.955	ug/L #	62
59) 1,2,3-Trichloropropane	11.81	75	7228	1.325	ug/L	94

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Response via : Initial Calibration

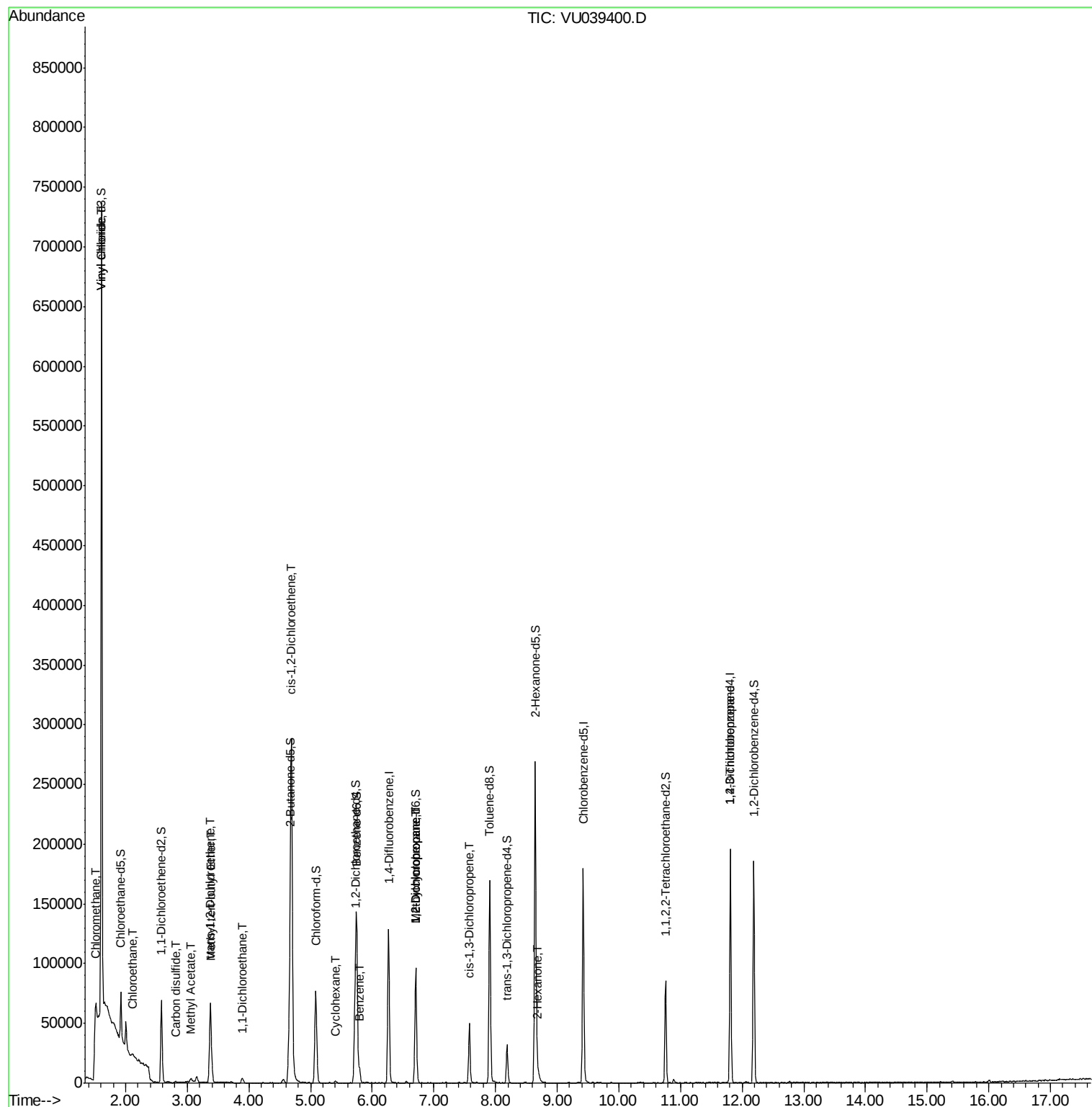
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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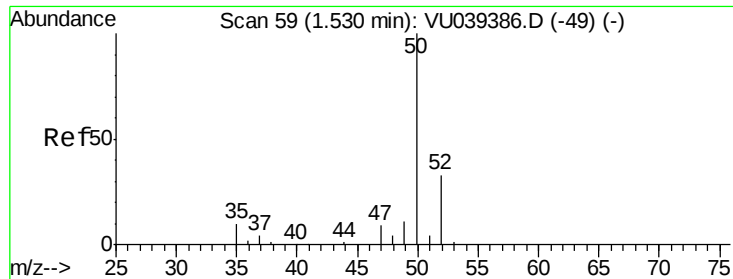
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.468 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU039400.D

Acq: 09 Jul 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

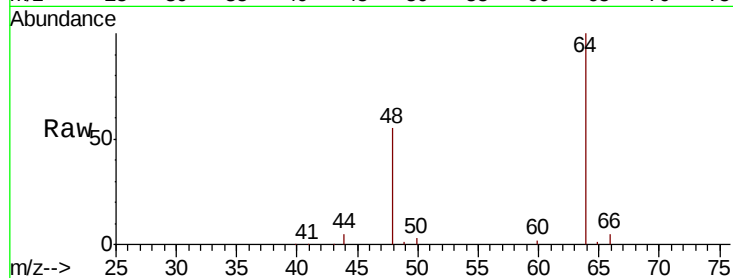
H4291

Tot Ion: 50 Resp: 3413

Ion Ratio Lower Upper

50 100

52 0.0 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU039400.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039400.D (-1) (-)

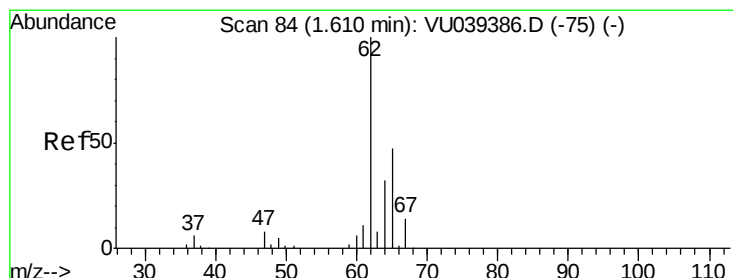
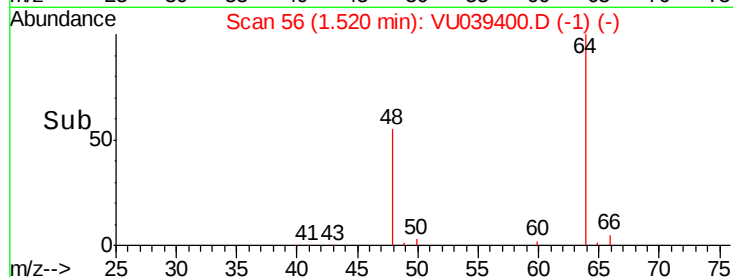
1.52

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 49.940 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039400.D

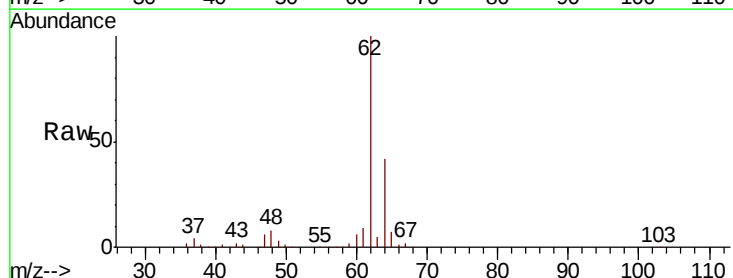
Acq: 09 Jul 2020 17:11

Tgt Ion: 62 Resp: 404674

Ion Ratio Lower Upper

62 100

64 41.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039400.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039400.D (-1) (-)

1.61

400000

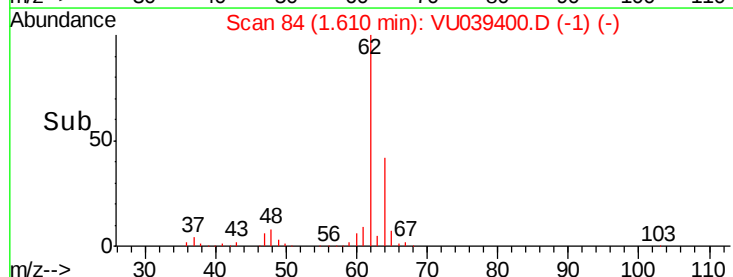
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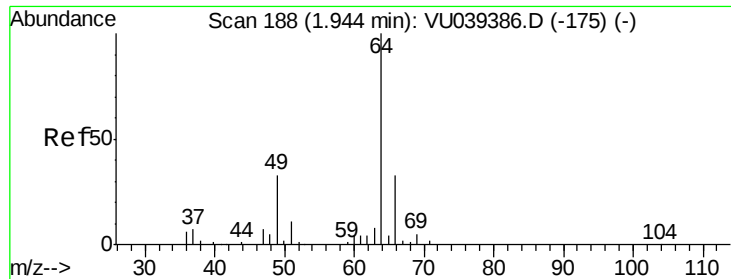
200000

100000

0

Time-->

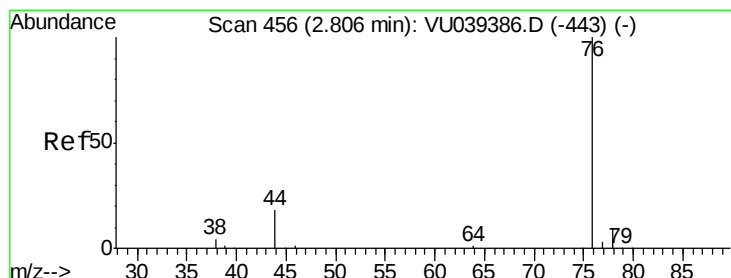
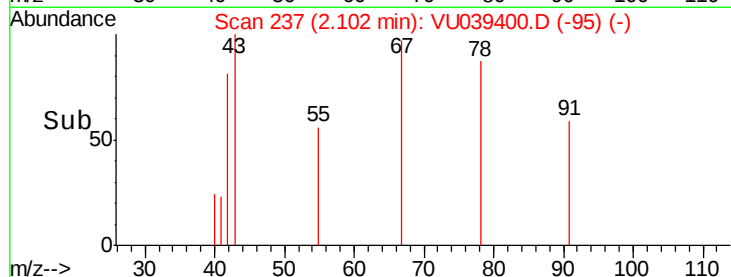
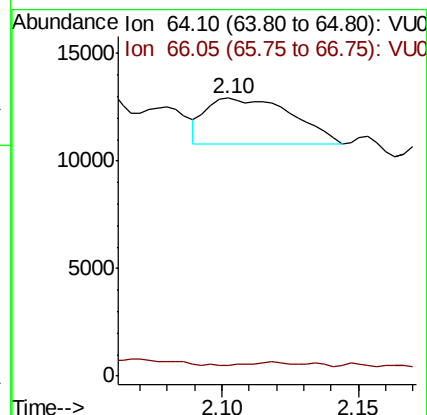
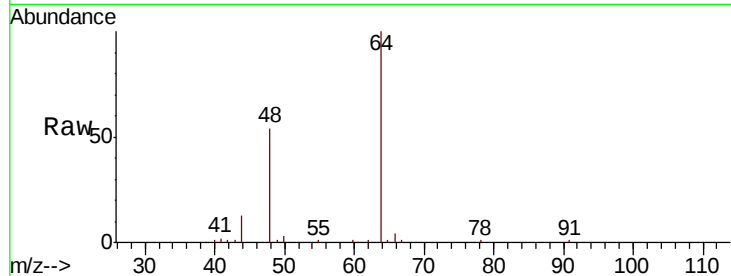




#8
Chloroethane
Concen: 0.799 ug/L
RT: 2.10 min Scan# 237
Delta R.T. 0.16 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

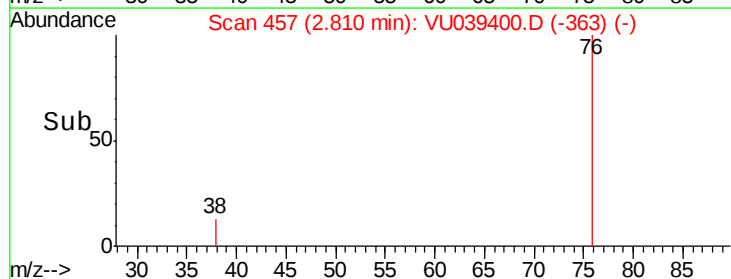
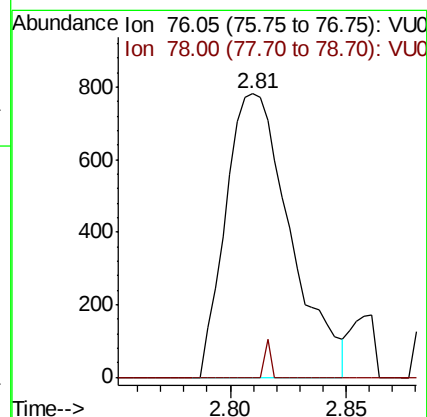
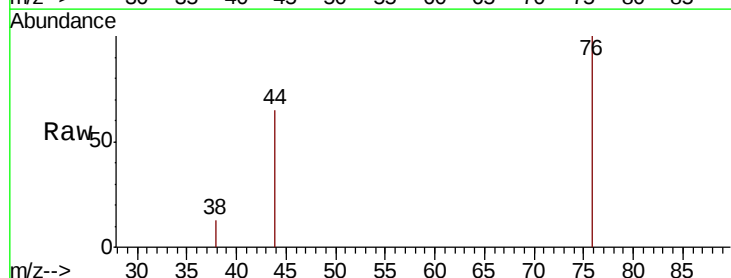
Instrument :
MSVOA_U
ClientSampleId :
H4291

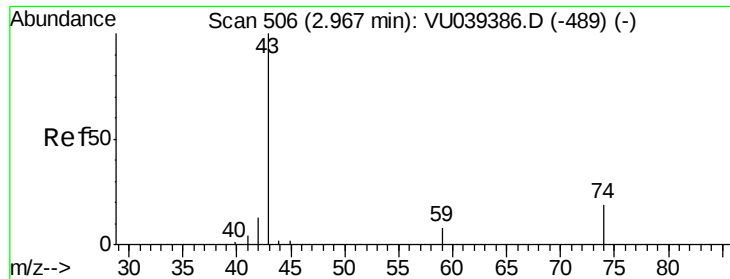
Tot Ion: 64 Resp: 4675
Ion Ratio Lower Upper
64 100
66 3.9 23.5 43.7#



#14
Carbon disulfide
Concen: 0.072 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Tgt Ion: 76 Resp: 1507
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

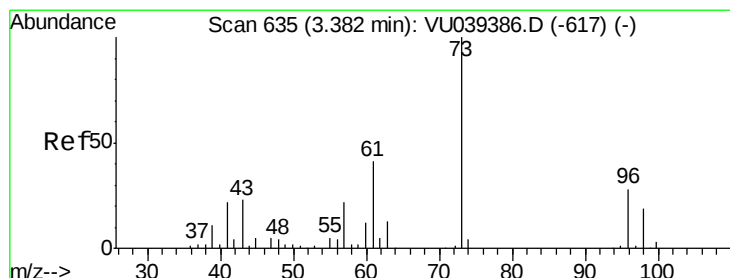
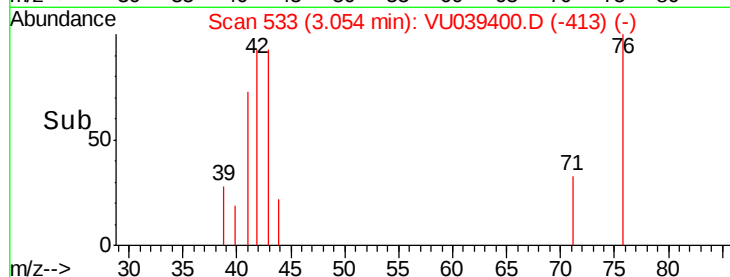
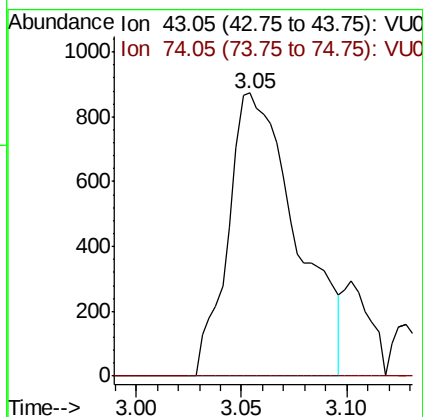
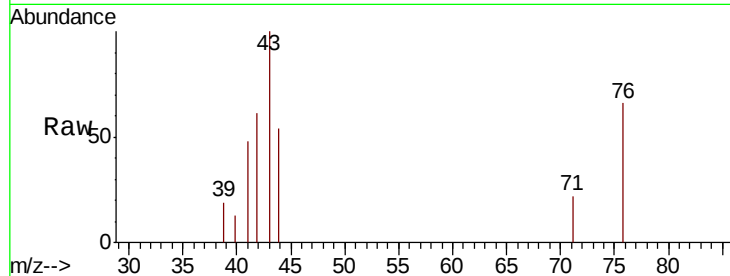




#15
Methyl Acetate
Concen: 0.524 ug/L
RT: 3.05 min Scan# 533
Delta R.T. 0.09 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

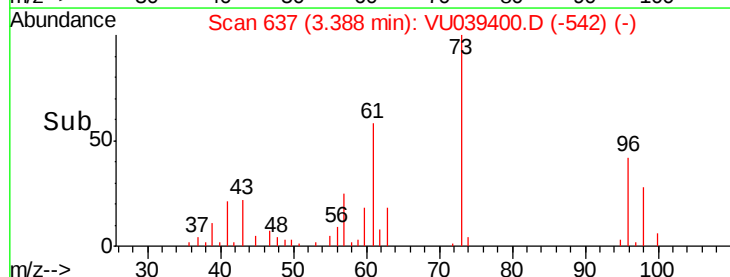
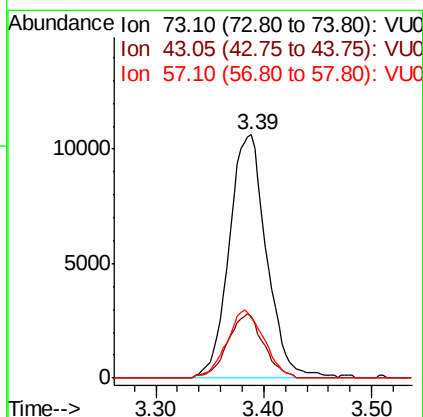
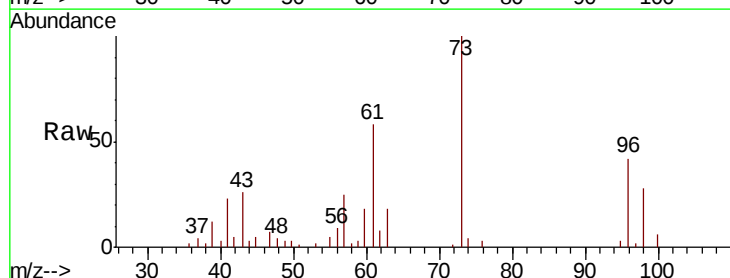
Instrument :
MSVOA_U
ClientSampled :
H4291

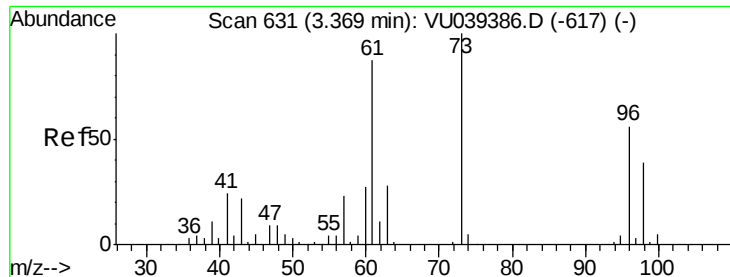
Tot Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#17
Methyl tert-butyl Ether
Concen: 1.379 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Tgt Ion: 73 Resp: 25677
Ion Ratio Lower Upper
73 100
43 25.4 18.6 28.0
57 27.8 17.9 26.9#

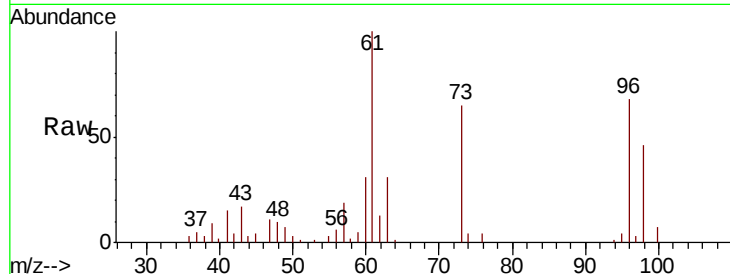




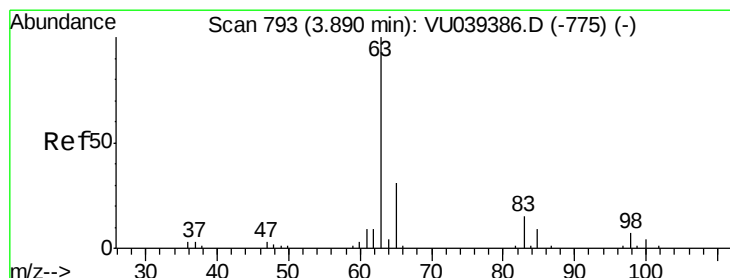
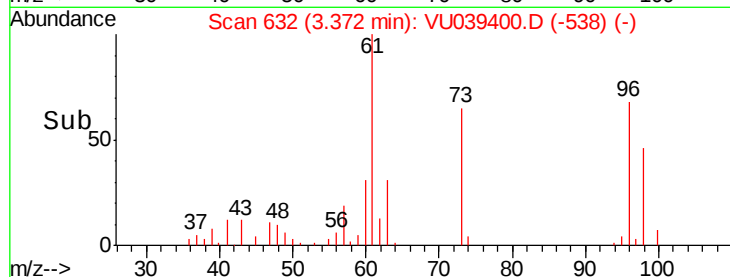
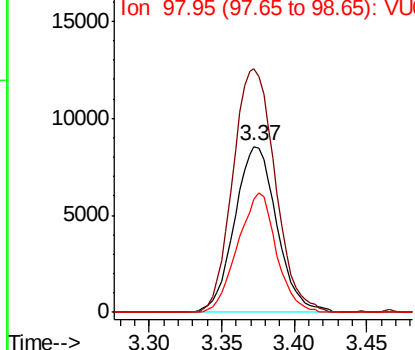
#18
trans-1,2-Dichloroethene
Concen: 2.638 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Instrument :
MSVOA_U
ClientSampleId :
H4291

Tot Ion: 96 Resp: 17260
Ion Ratio Lower Upper
96 100
61 146.7 102.1 189.5
98 67.8 42.5 78.9

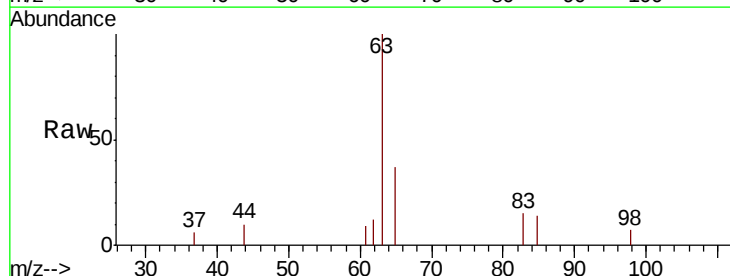


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

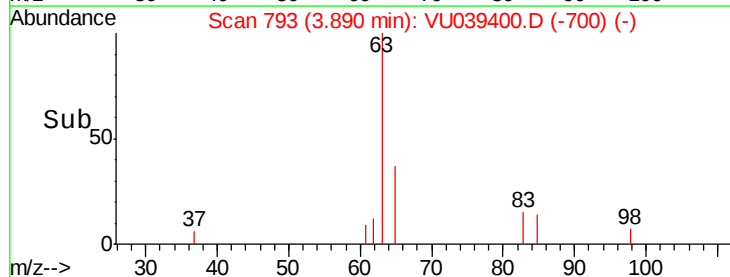
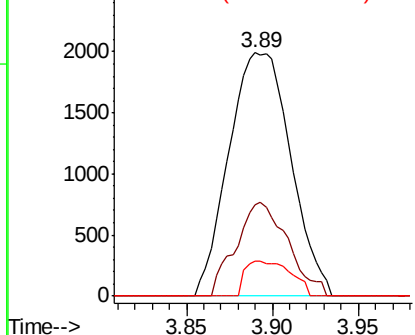


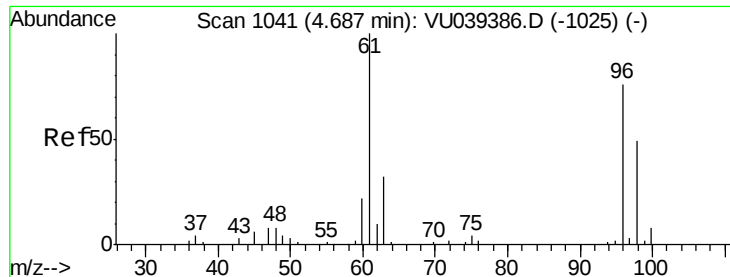
#19
1,1-Dichloroethane
Concen: 0.389 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Tgt Ion: 63 Resp: 4977
Ion Ratio Lower Upper
63 100
65 37.4 23.0 42.6
83 14.5 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





#22

cis-1,2-Dichloroethene

Concen: 17.307 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039400.D

Acq: 09 Jul 2020 17:11

Instrument :

MSVOA_U

ClientSampleId :

H4291

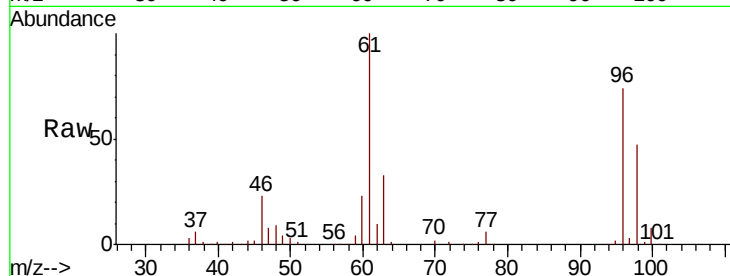
Tot Ion: 96 Resp: 126977

Ion Ratio Lower Upper

96 100

61 135.6 92.8 172.4

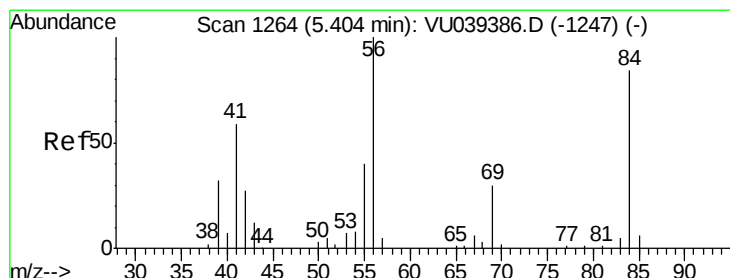
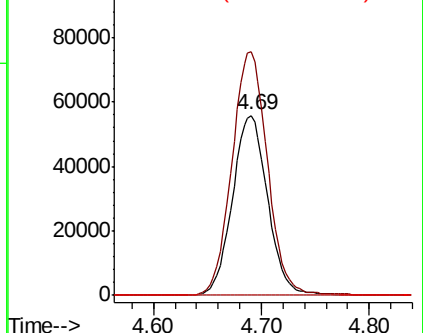
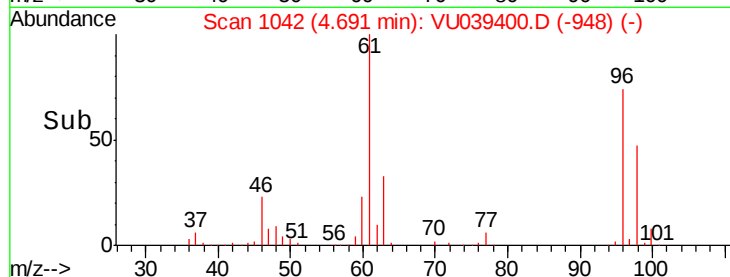
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039400.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039400.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039400.D (-948) (-)



#30

Cyclohexane

Concen: 0.073 ug/L

RT: 5.41 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VU039400.D

Acq: 09 Jul 2020 17:11

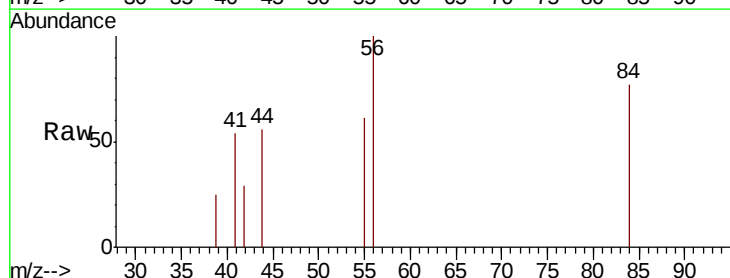
Tgt Ion: 56 Resp: 826

Ion Ratio Lower Upper

56 100

69 11.5 24.1 36.1#

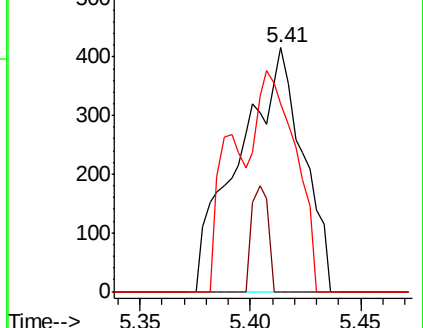
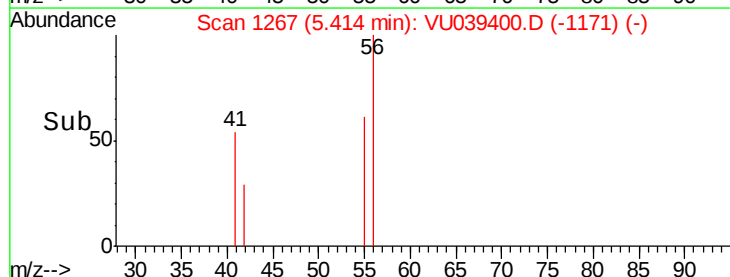
84 58.1 67.0 100.6#

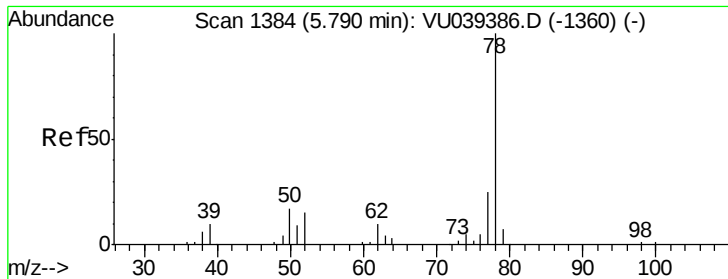


Abundance Ion 56.10 (55.80 to 56.80): VU039400.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU039400.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU039400.D (-1171) (-)

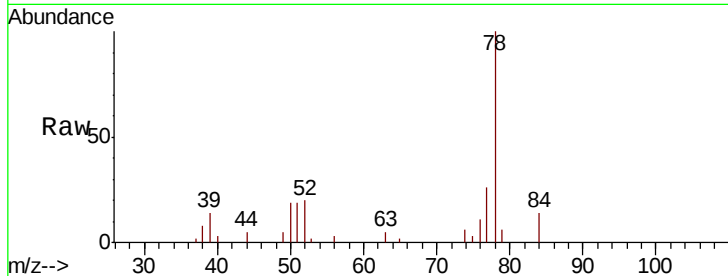




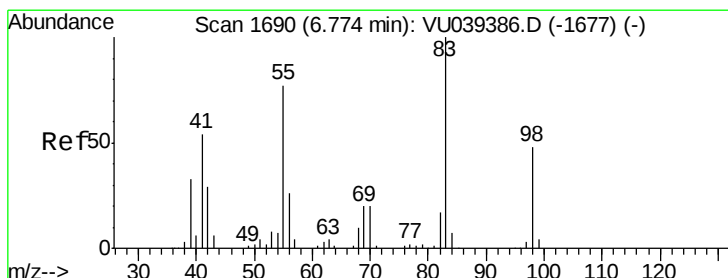
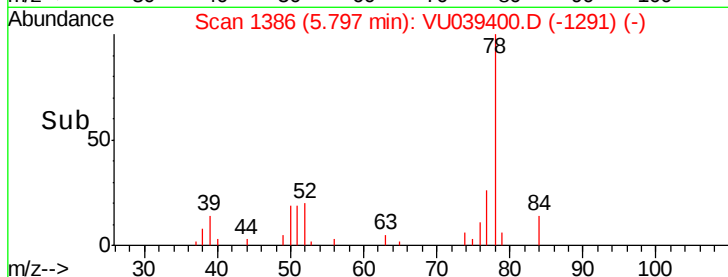
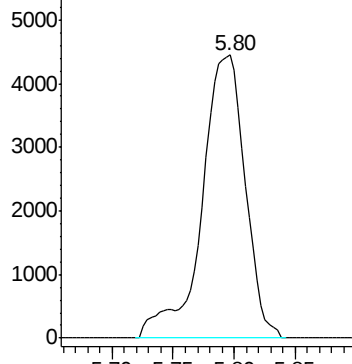
#33
Benzene
Concen: 0.404 ug/L
RT: 5.80 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 78 Resp: 10975

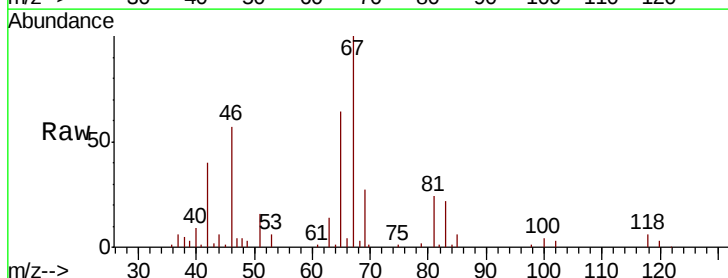


Abundance Ion 78.10 (77.80 to 78.80): VU0



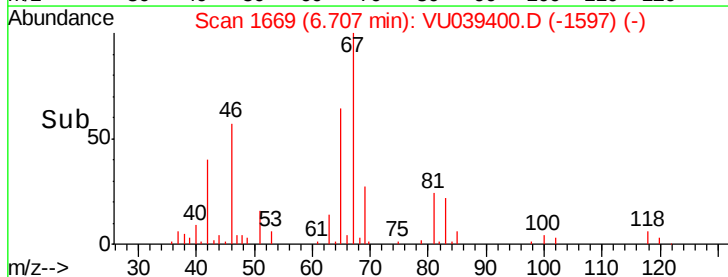
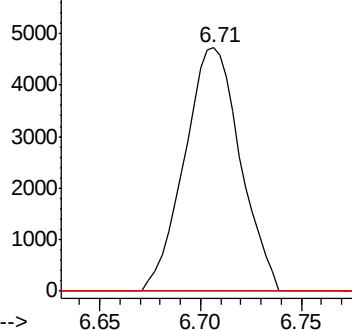
#35
Methylcyclohexane
Concen: 0.811 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039400.D
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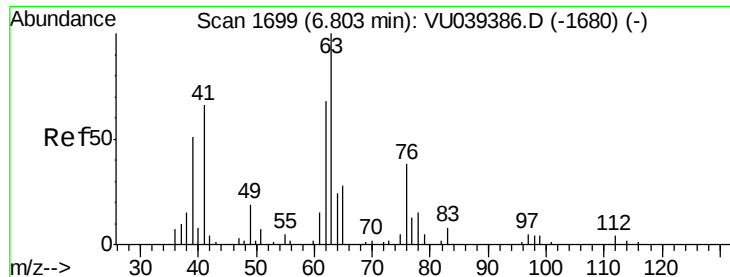
Tgt Ion: 83 Resp: 9125
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#



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

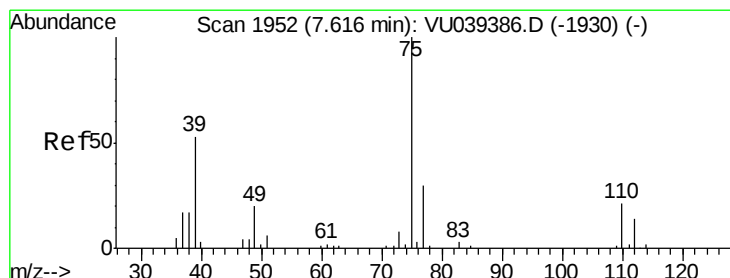
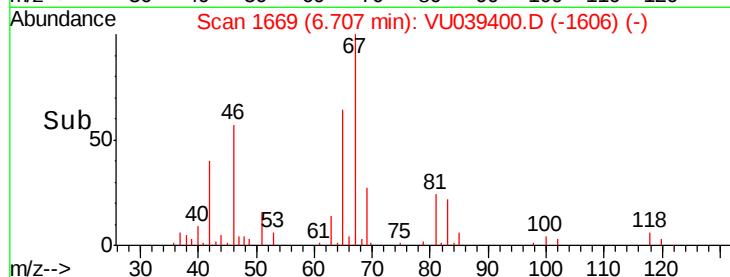
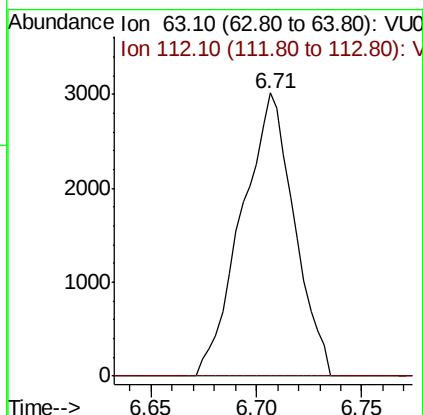
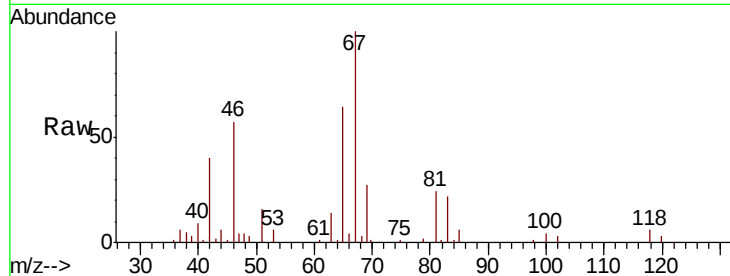




#37
 1,2-Dichloropropane
 Concen: 0.708 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039400.D
 Acq: 09 Jul 2020 17:11

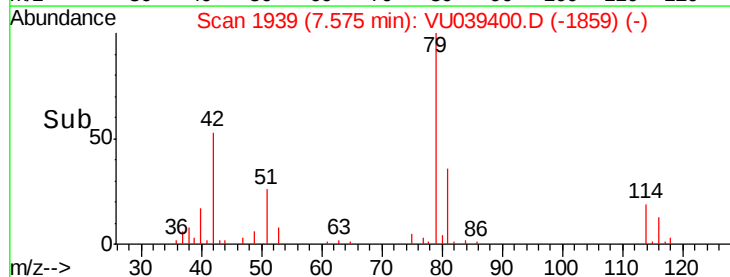
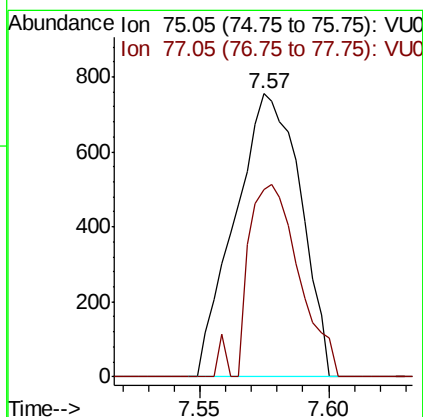
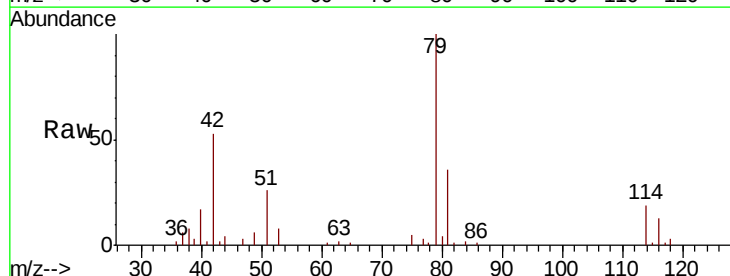
Instrument :
 MSVOA_U
 ClientSampleId :
 H4291

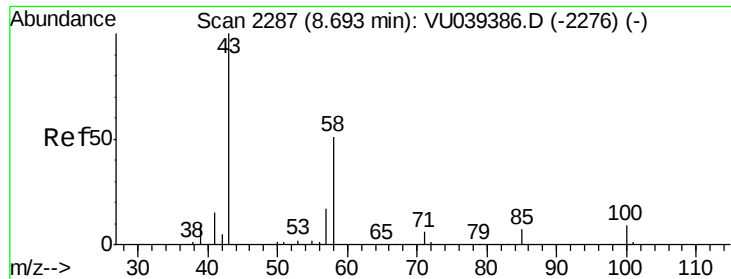
Tot Ion: 63 Resp: 5242
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039400.D
 Acq: 09 Jul 2020 17:11

Tgt Ion: 75 Resp: 1337
 Ion Ratio Lower Upper
 75 100
 77 66.0 22.3 41.3#

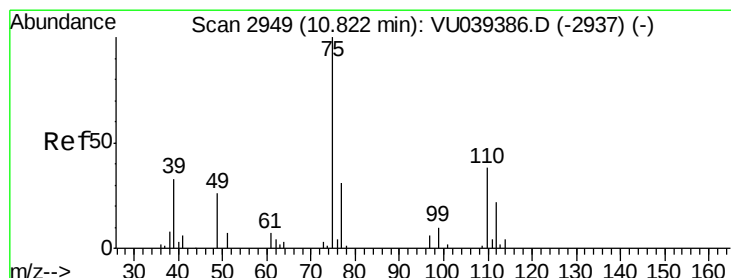
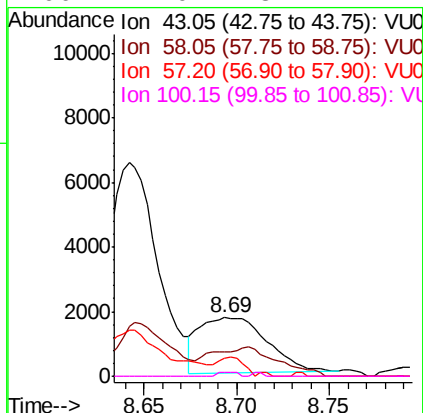
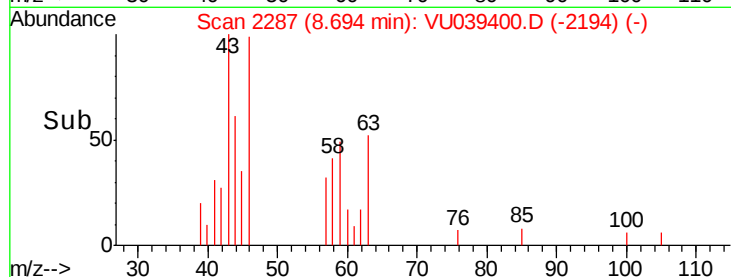
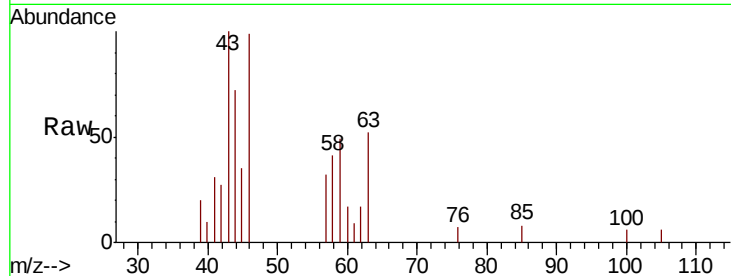




#48
2-Hexanone
Concen: 0.955 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Instrument :
MSVOA_U
ClientSampleId :
H4291

Tot Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
58 15.9 42.0 63.0#
57 15.2 14.0 21.0
100 2.0 8.2 12.2#



#59
1,2,3-Trichloropropane
Concen: 1.325 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039400.D
Acq: 09 Jul 2020 17:11

Tgt Ion: 75 Resp: 7228
Ion Ratio Lower Upper
75 100
77 37.1 26.8 40.2

