

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039353.D
 Acq On : 08 Jul 2020 17:30
 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 09 02:33:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	104515	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	98378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46798	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37037	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.92	69	30293	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.58	63	48920	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	4.67	46	139764	50.43	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.86%
24) Chloroform-d	5.09	84	73236	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.60%
26) 1,2-Dichloroethane-d4	5.72	65	43495	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.74	84	137070	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
36) 1,2-Dichloropropane-d6	6.71	67	47371	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.80%
41) Toluene-d8	7.91	98	120204	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
43) trans-1,3-Dichloropropene-	8.19	79	17416	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.65	63	106238	48.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.48%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42188	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	47901	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	2247	0.293 ug/L #	57
5) Vinyl chloride	1.61	62	471646	55.345 ug/L	89
8) Chloroethane	2.17	64	1272	0.207 ug/L #	51
12) 1,1-Dichloroethene	2.59	96	696	0.112 ug/L #	1
15) Methyl Acetate	3.06	43	1997	0.505 ug/L #	52
17) Methyl tert-butyl Ether	3.38	73	32723	1.671 ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	17875	2.598 ug/L	91
19) 1,1-Dichloroethane	3.89	63	5789	0.430 ug/L	91
22) cis-1,2-Dichloroethene	4.69	96	144687	18.752 ug/L	96
33) Benzene	5.79	78	12907	0.439 ug/L	100
35) Methylcyclohexane	6.71	83	10049	0.825 ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5634	0.703 ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1678	0.138 ug/L #	76
48) 2-Hexanone	8.70	43	4597	0.932 ug/L #	85
59) 1,2,3-Trichloropropane	11.81	75	6880	1.164 ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration

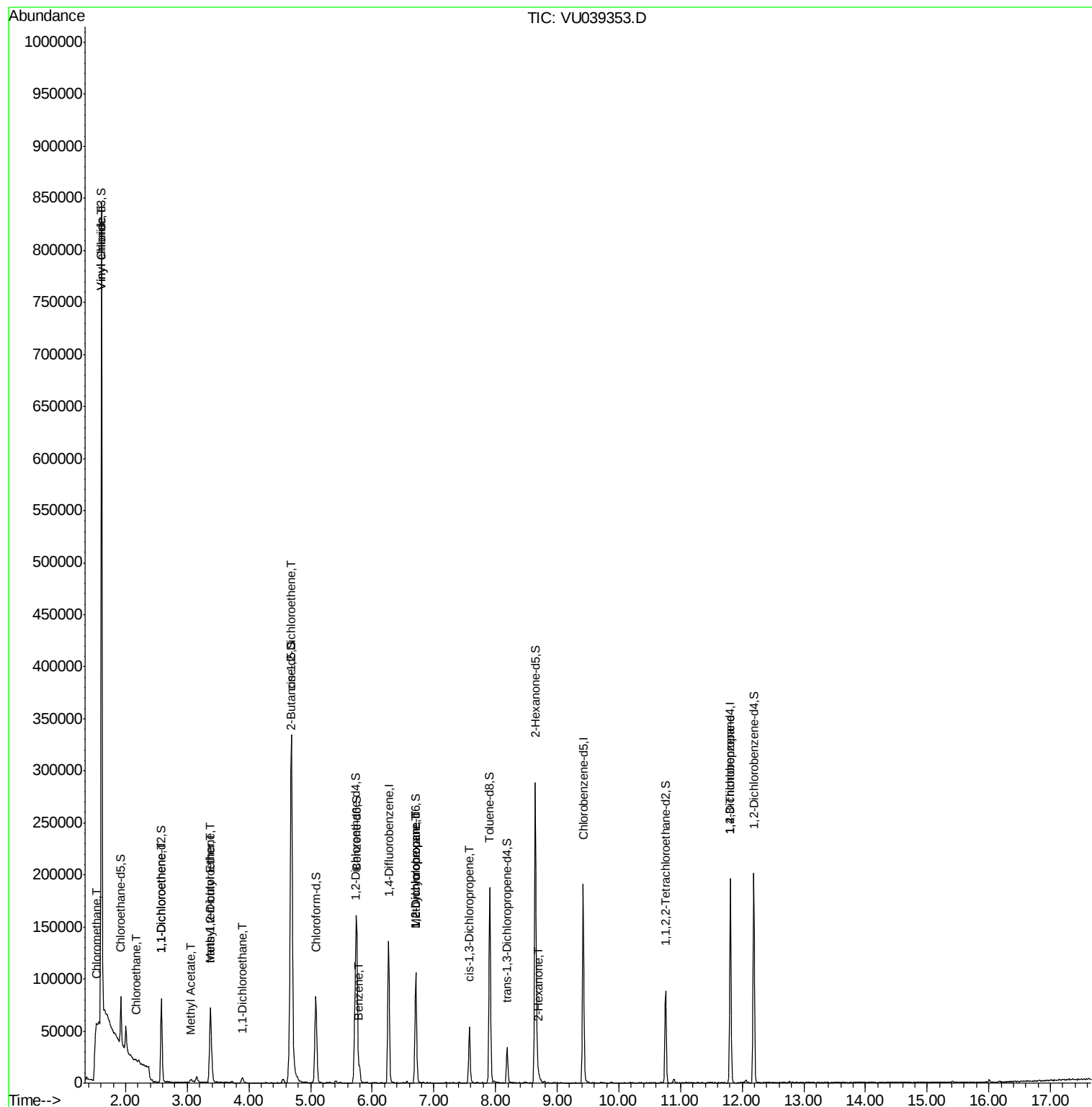
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

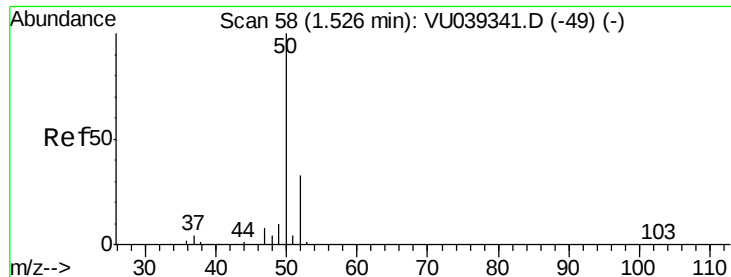
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.293 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039353.D

Acq: 08 Jul 2020 17:30

Instrument :

MSVOA_U

ClientSampled :

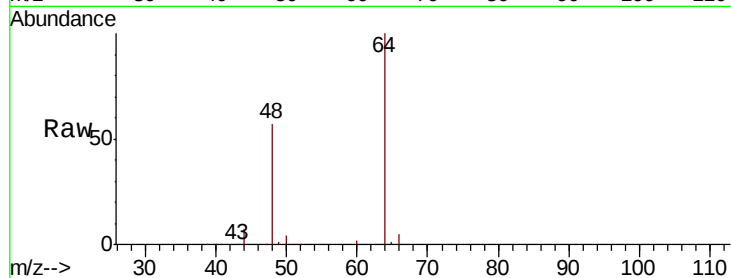
H4291

Tot Ion: 50 Resp: 2247

Ion Ratio Lower Upper

50 100

52 8.6 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

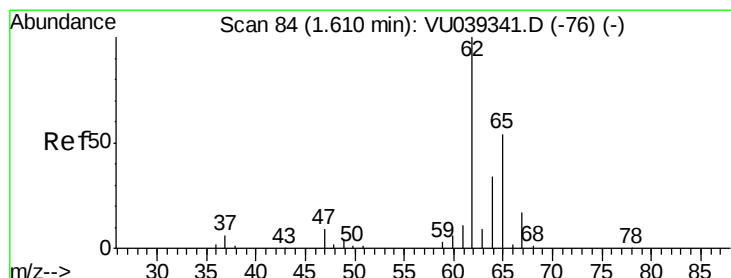
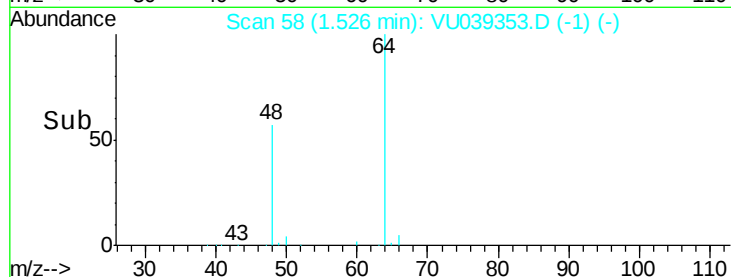
1.53

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 55.345 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039353.D

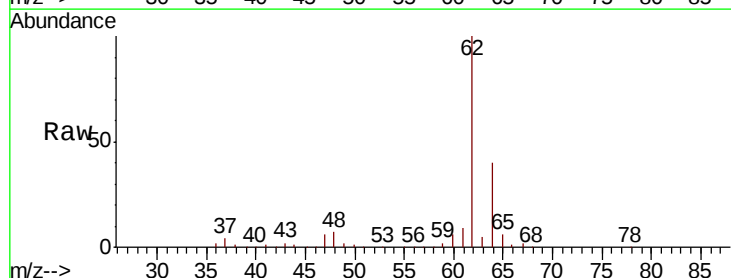
Acq: 08 Jul 2020 17:30

Tgt Ion: 62 Resp: 471646

Ion Ratio Lower Upper

62 100

64 40.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

500000

400000

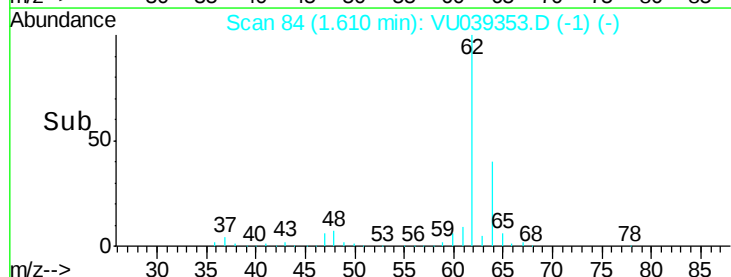
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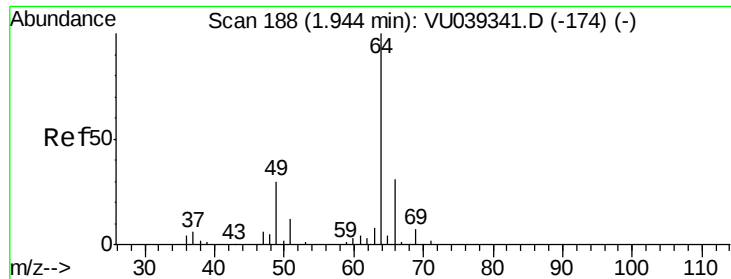
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Time-->

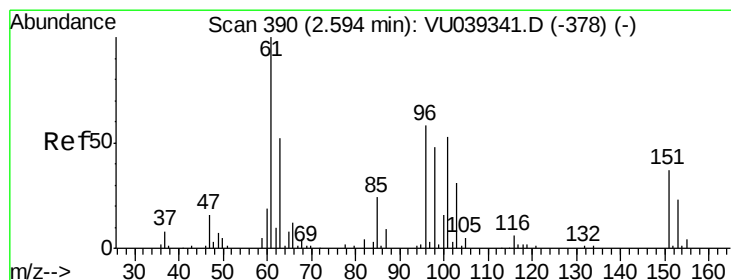
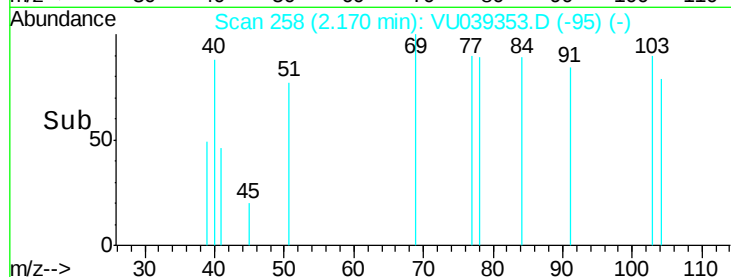
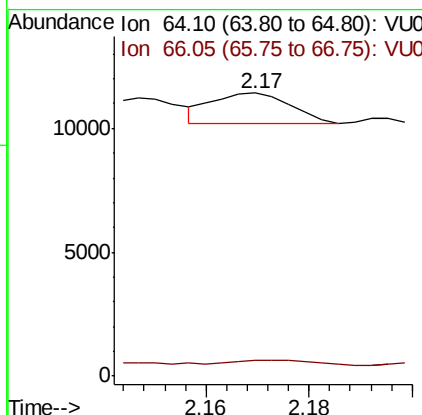
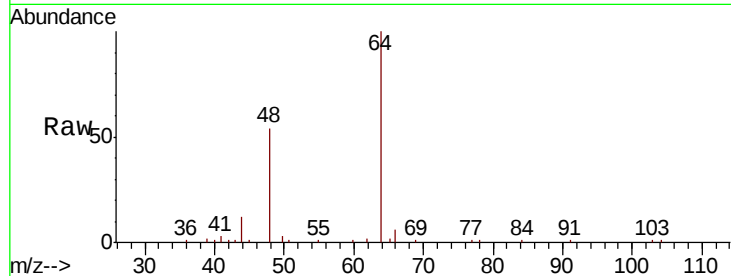




#8
 Chloroethane
 Concen: 0.207 ug/L
 RT: 2.17 min Scan# 258
 Delta R.T. 0.23 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30

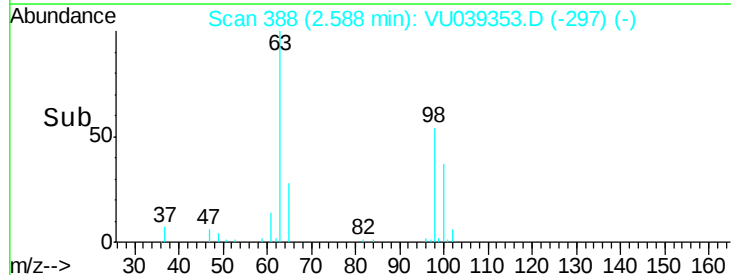
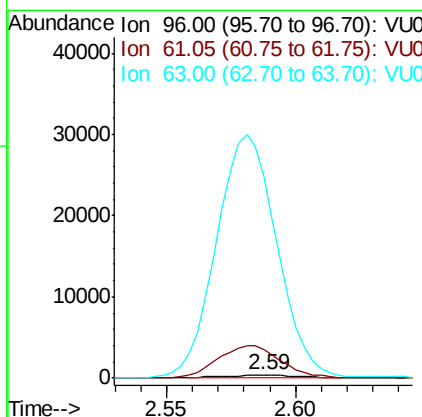
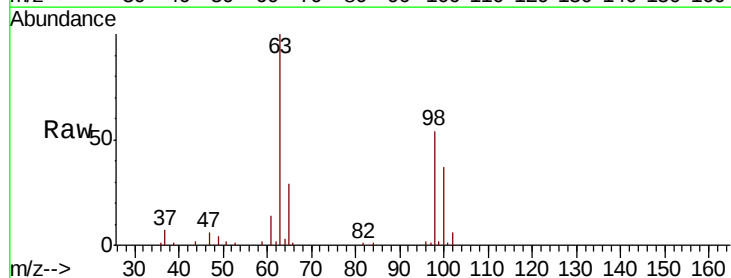
Instrument :
 MSVOA_U
 ClientSampleId :
 H4291

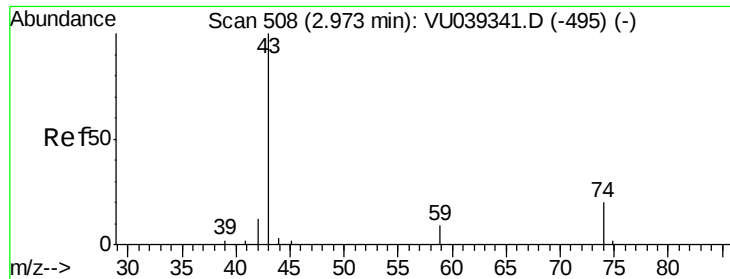
Tot Ion: 64 Resp: 1272
 Ion Ratio Lower Upper
 64 100
 66 5.5 23.5 43.7#



#12
 1,1-Dichloroethene
 Concen: 0.112 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30

Tgt Ion: 96 Resp: 696
 Ion Ratio Lower Upper
 96 100
 61 900.8 125.4 232.8#
 63 6252.9 92.7 172.3#

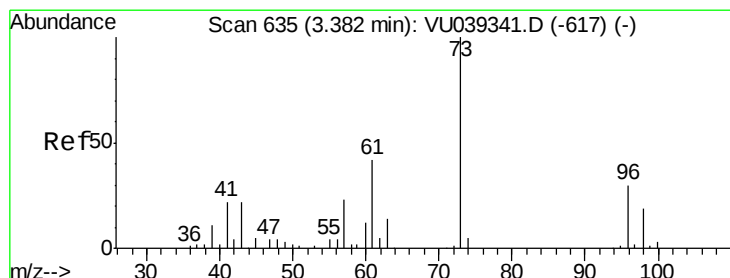
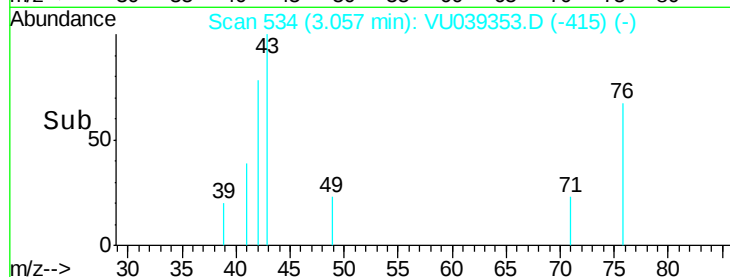
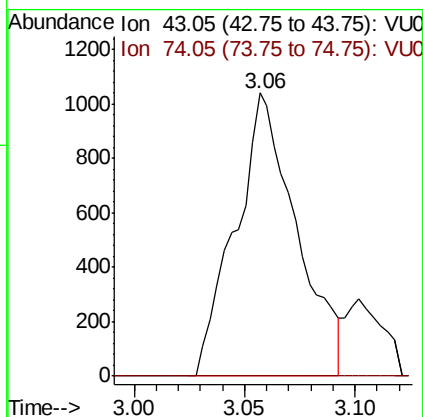
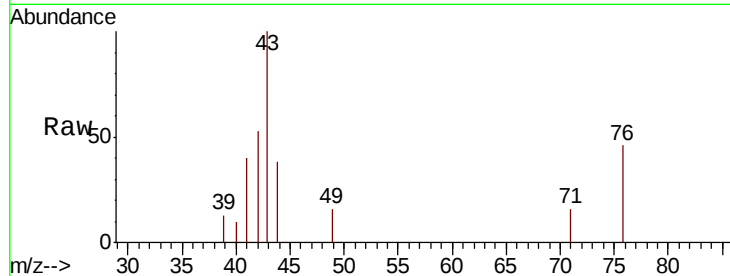




#15
Methvl Acetate
Concen: 0.505 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.08 min
Lab File: VU039353.D
Acq: 08 Jul 2020 17:30

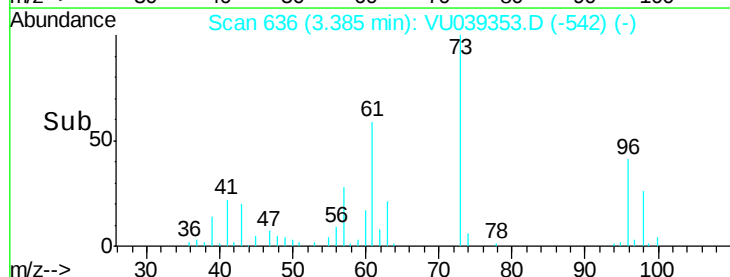
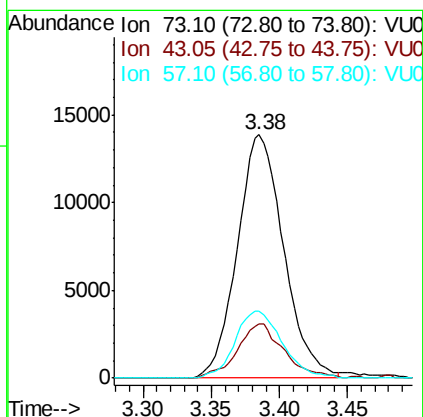
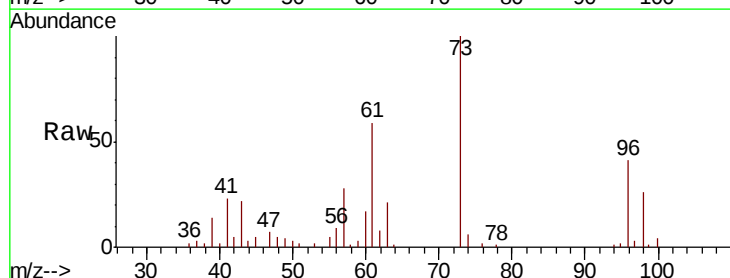
Instrument :
MSVOA_U
ClientSampleId :
H4291

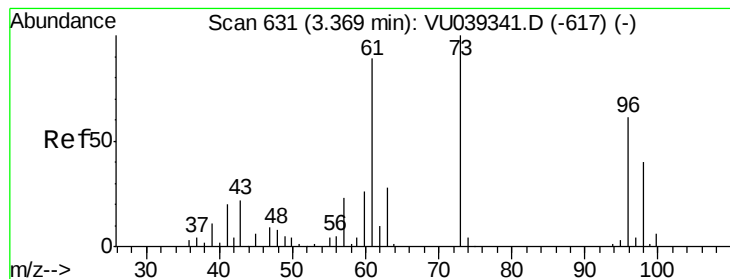
Tot Ion: 43 Resp: 1997
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#17
Methyl tert-butyl Ether
Concen: 1.671 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039353.D
Acq: 08 Jul 2020 17:30

Tgt Ion: 73 Resp: 32723
Ion Ratio Lower Upper
73 100
43 22.4 18.6 28.0
57 28.0 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 2.598 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039353.D

Acq: 08 Jul 2020 17:30

Instrument :

MSVOA_U

ClientSampleId :

H4291

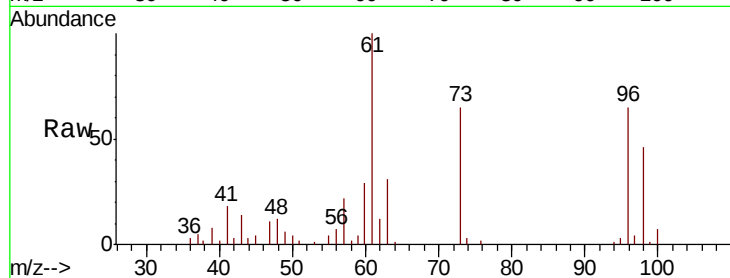
Tot Ion: 96 Resp: 17875

Ion Ratio Lower Upper

96 100

61 154.5 102.1 189.5

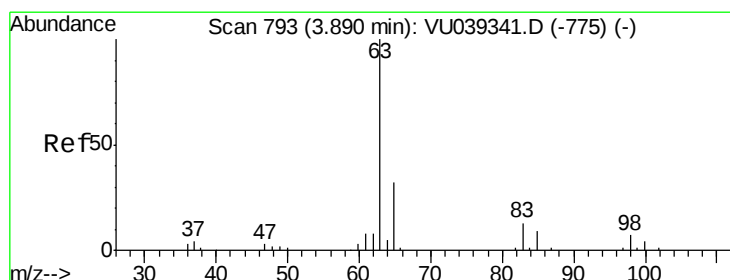
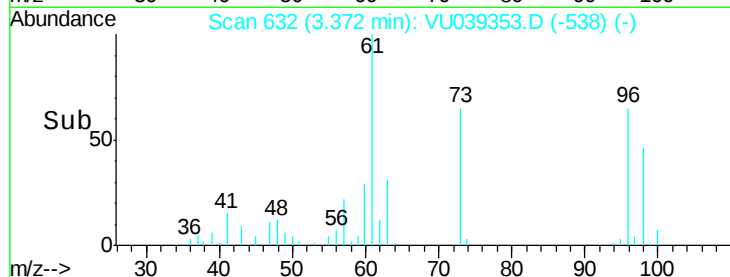
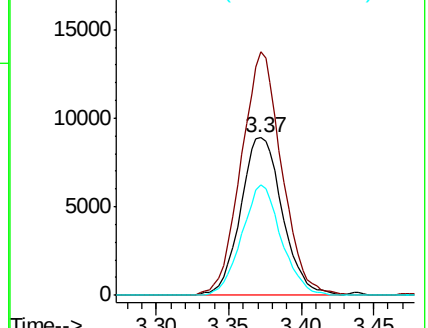
98 70.4 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039353.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039353.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039353.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.430 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039353.D

Acq: 08 Jul 2020 17:30

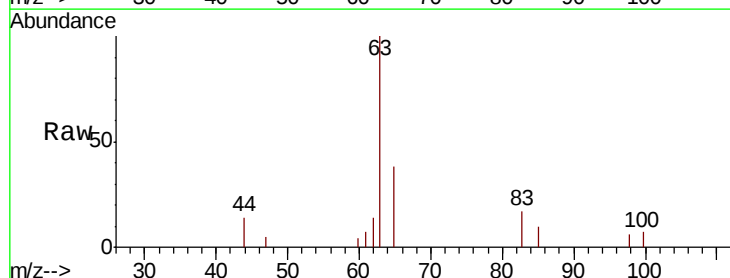
Tgt Ion: 63 Resp: 5789

Ion Ratio Lower Upper

63 100

65 38.0 23.0 42.6

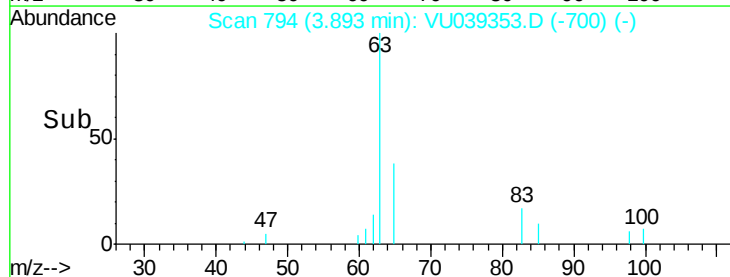
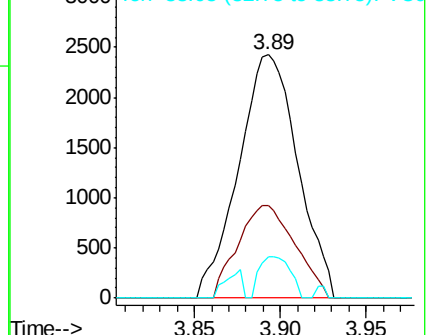
83 16.9 9.6 17.8

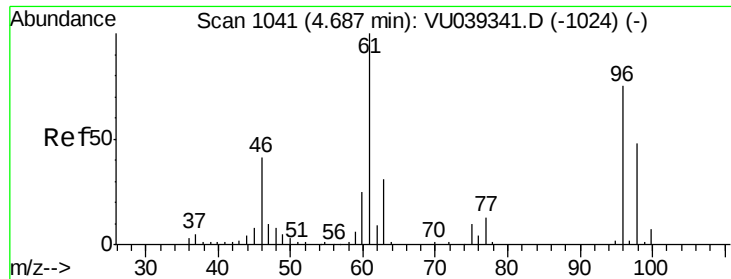


Abundance Ion 63.10 (62.80 to 63.80): VU039353.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039353.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039353.D (-700) (-)

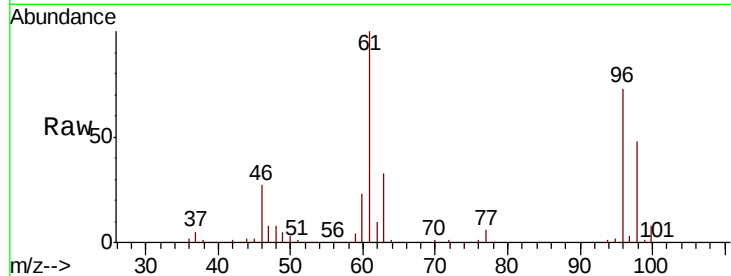




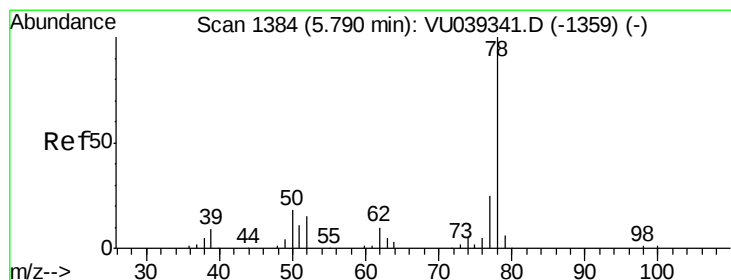
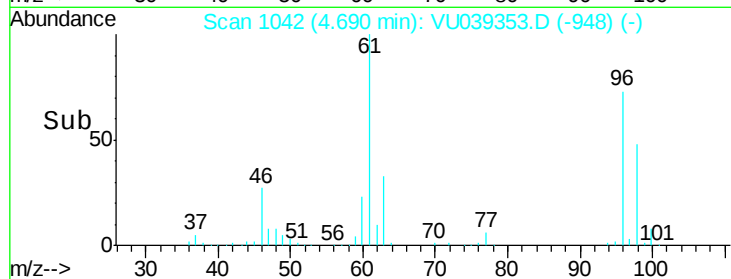
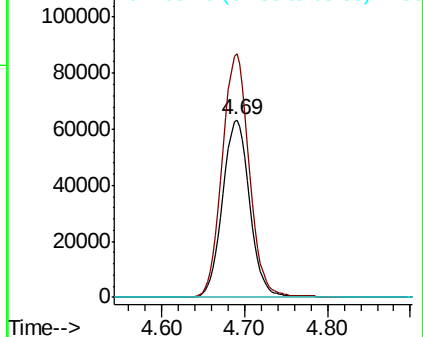
#22
 cis-1,2-Dichloroethene
 Concen: 18.752 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30

Instrument :
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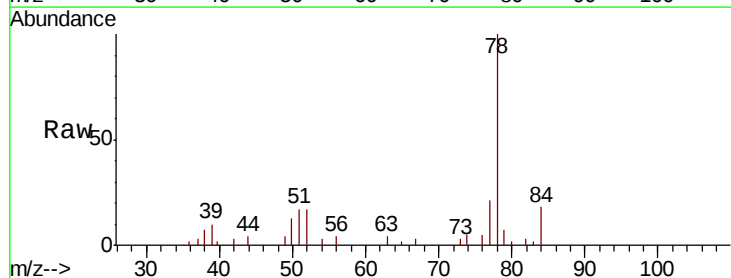
Tot Ion: 96 Resp: 144687
 Ion Ratio Lower Upper
 96 100
 61 137.2 92.8 172.4
 68 0.0 0.0 0.0



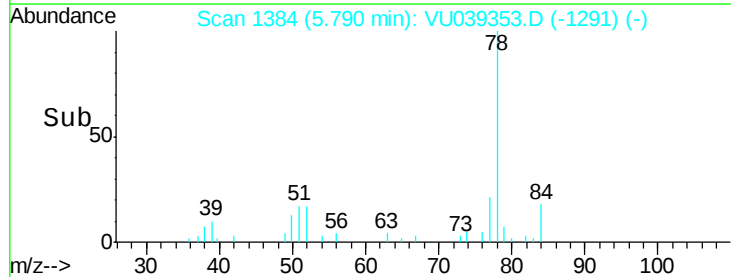
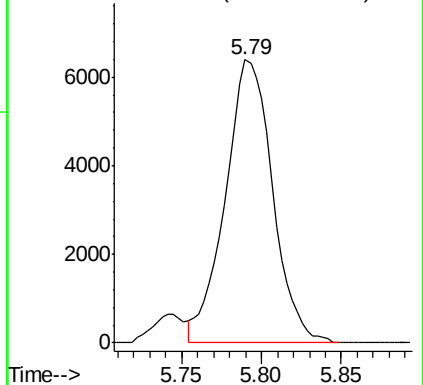
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

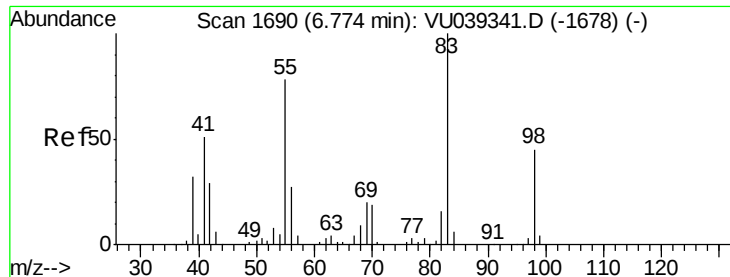


#33
 Benzene
 Concen: 0.439 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30
 Tgt Ion: 78 Resp: 12907



Abundance Ion 78.10 (77.80 to 78.80): VU0

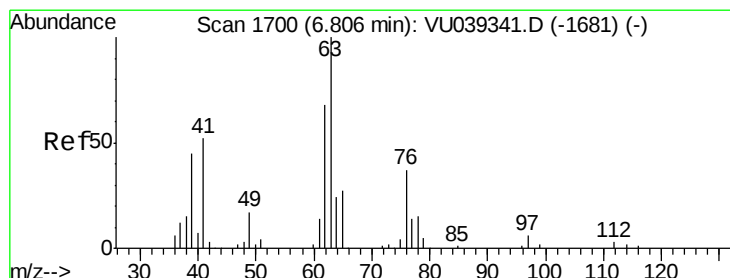
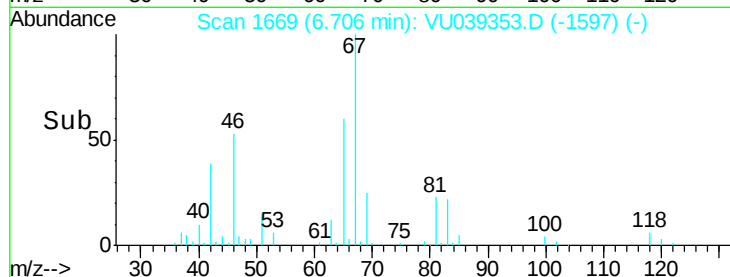
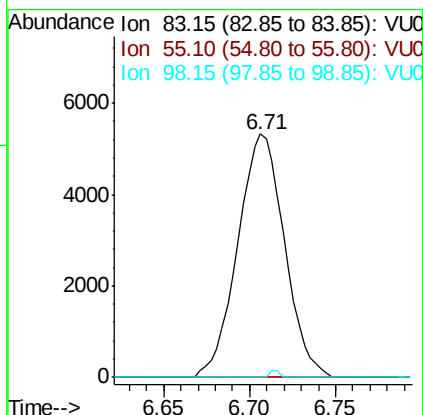
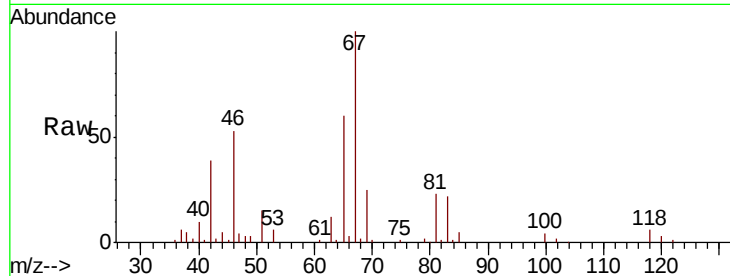




#35
Methvlcvclohexane
Concen: 0.825 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039353.D
Acq: 08 Jul 2020 17:30

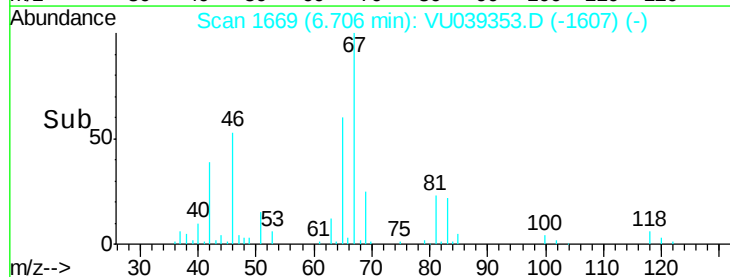
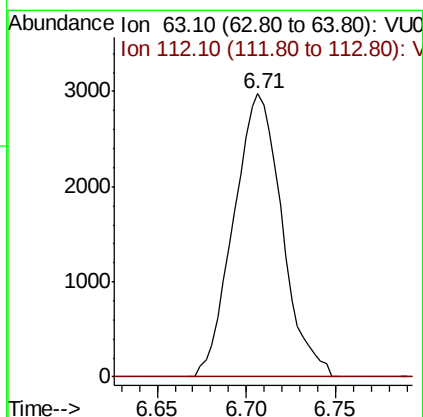
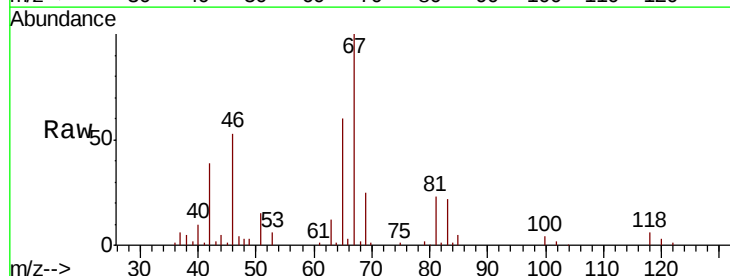
Instrument :
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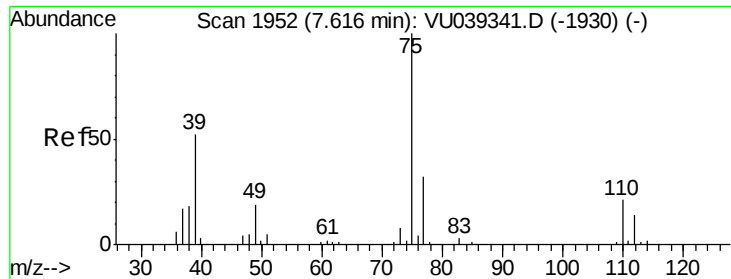
Tot Ion: 83 Resp: 10049
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.5 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.703 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039353.D
Acq: 08 Jul 2020 17:30

Tgt Ion: 63 Resp: 5634
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#

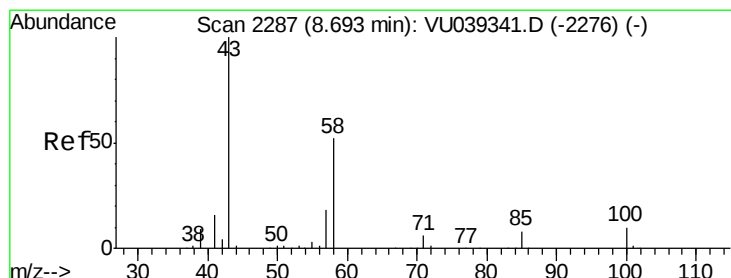
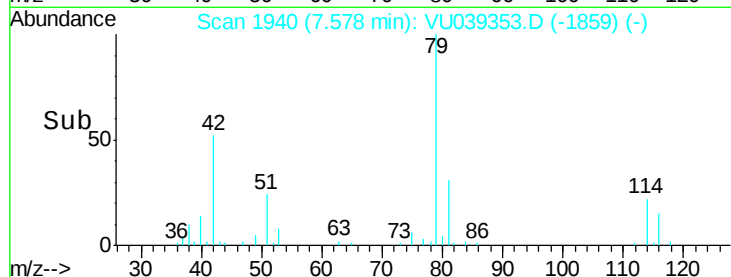
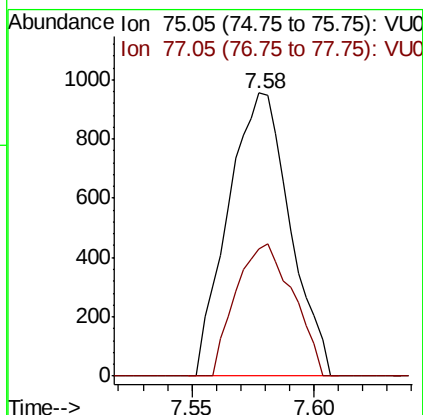
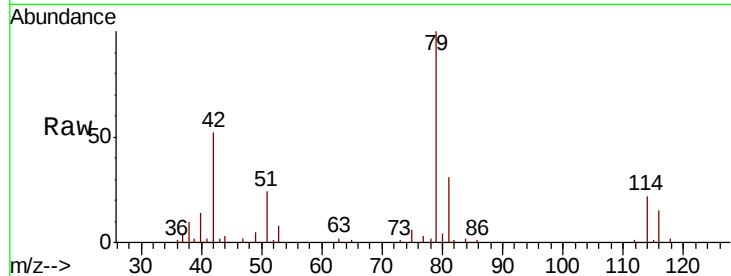




#39
 cis-1,3-Dichloropropene
 Concen: 0.138 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30

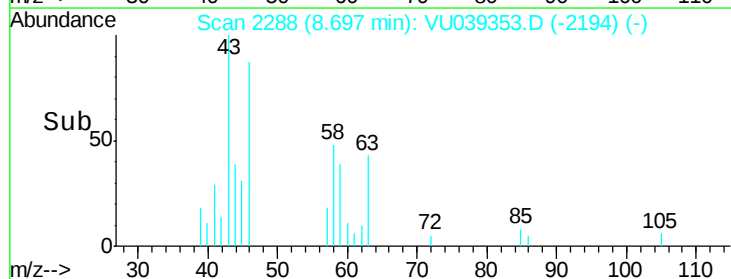
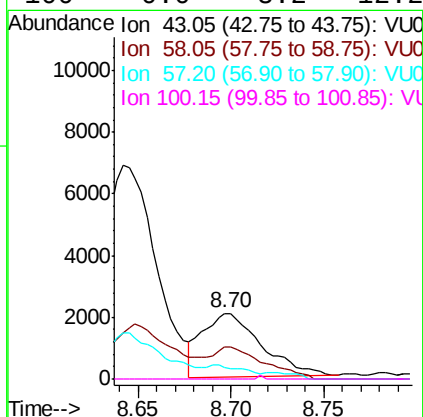
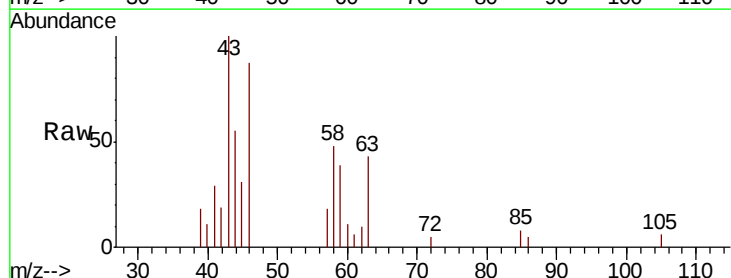
Instrument :
 MSVOA_U
 ClientSampled :
 H4291

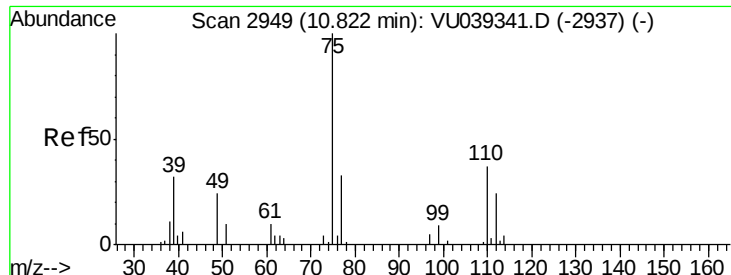
Tot Ion: 75 Resp: 1678
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.3 41.3#



#48
 2-Hexanone
 Concen: 0.932 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: VU039353.D
 Acq: 08 Jul 2020 17:30

Tgt Ion: 43 Resp: 4597
 Ion Ratio Lower Upper
 43 100
 58 41.9 42.0 63.0#
 57 13.9 14.0 21.0#
 100 0.0 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.164 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039353.D

Acq: 08 Jul 2020 17:30

Instrument :

MSVOA_U

ClientSampleId :

H4291

Tot Ion: 75 Resp: 6880

Ion Ratio Lower Upper

75 100

77 39.9 26.8 40.2

