

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039354.D
 Acq On : 08 Jul 2020 17:53
 Operator : SY/MD
 Sample : L3231-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4292

Quant Time: Jul 09 02:33:41 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	100546	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32385	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.92	69	30929	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.58	63	48415	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	152038	57.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.04%
24) Chloroform-d	5.09	84	71831	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.72	65	45415	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.75	84	139409	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.80%
36) 1,2-Dichloropropane-d6	6.70	67	47267	5.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.60%
41) Toluene-d8	7.91	98	120967	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
43) trans-1,3-Dichloropropene-	8.19	79	18515	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.64	63	114176	54.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42075	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48307	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.50	50	3576	0.484	ug/L #	42
5) Vinyl chloride	1.61	62	62152	7.581	ug/L #	16
8) Chloroethane	1.94	64	5469	0.923	ug/L #	52
12) 1,1-Dichloroethene	2.58	96	379	0.063	ug/L #	1
15) Methyl Acetate	3.06	43	2509	0.660	ug/L #	52
17) Methyl tert-butyl Ether	3.39	73	29265	1.553	ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	117256	17.713	ug/L	95
19) 1,1-Dichloroethane	3.89	63	27280	2.106	ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	10463	1.410	ug/L	96
30) Cyclohexane	5.41	56	2095	0.178	ug/L #	87
33) Benzene	5.79	78	24099	0.848	ug/L	100
35) Methylcyclohexane	6.70	83	10451	0.887	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5478	0.707	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1649	0.141	ug/L #	66
48) 2-Hexanone	8.70	43	4715	0.989	ug/L #	88
59) 1,2,3-Trichloropropane	11.81	75	7205	1.261	ug/L	93

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

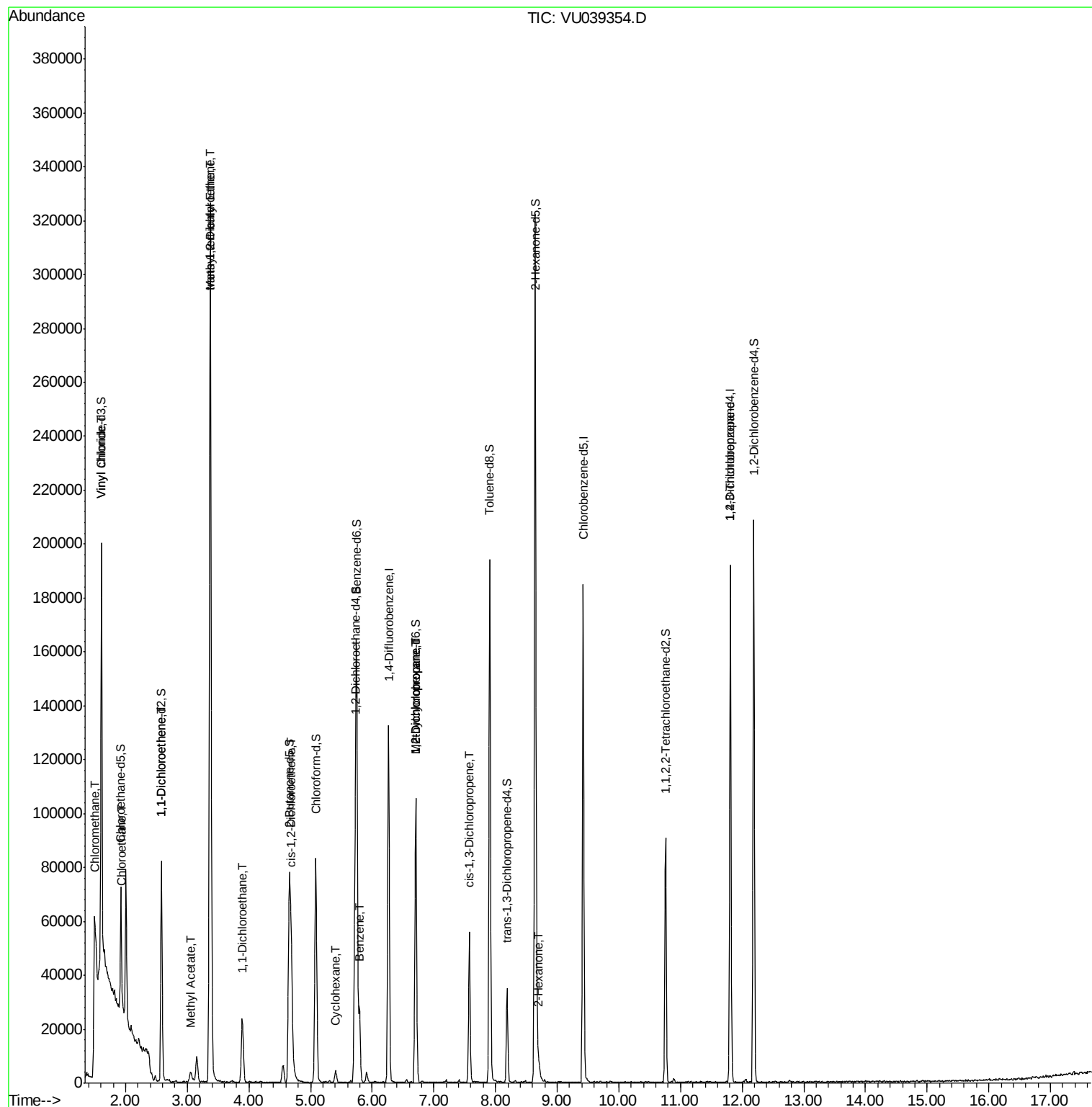
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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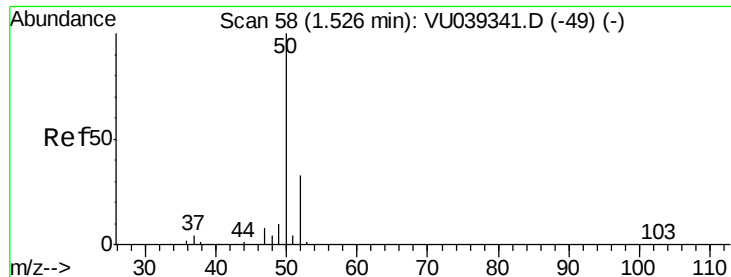
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.484 ug/L

RT: 1.50 min Scan# 51

Delta R.T. -0.02 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

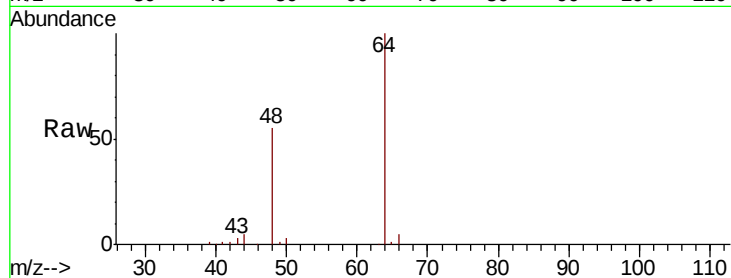
H4292

Tot Ion: 50 Resp: 3576

Ion Ratio Lower Upper

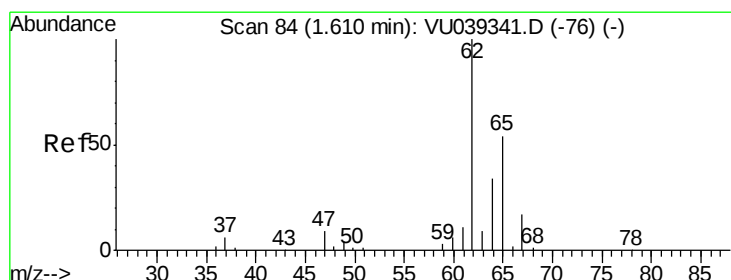
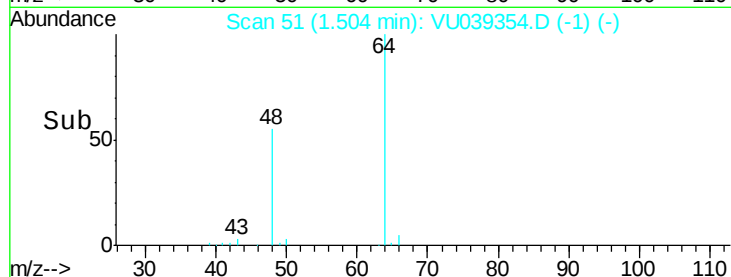
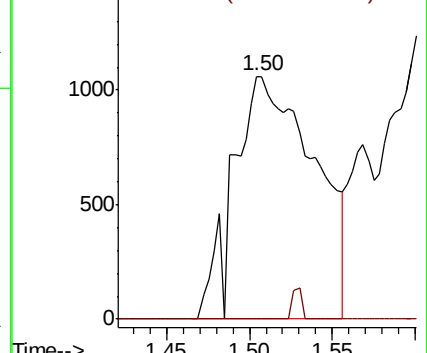
50 100

52 0.0 23.0 42.8#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 7.581 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039354.D

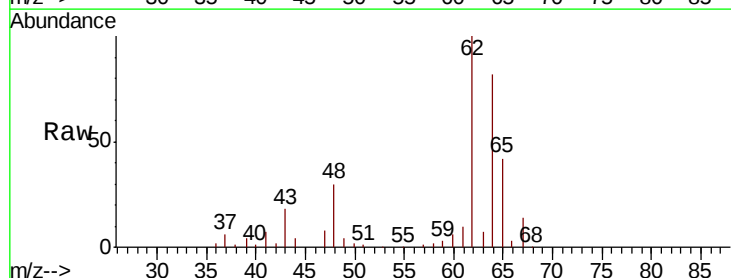
Acq: 08 Jul 2020 17:53

Tgt Ion: 62 Resp: 62152

Ion Ratio Lower Upper

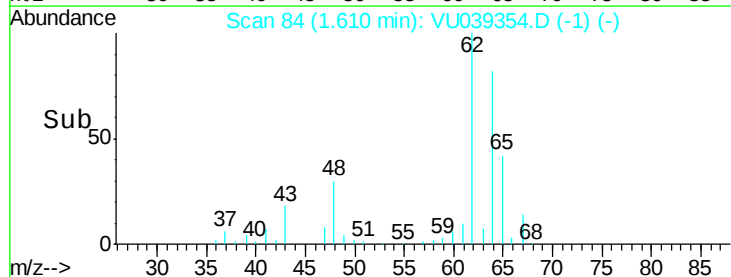
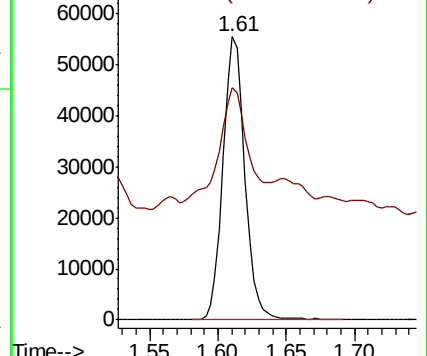
62 100

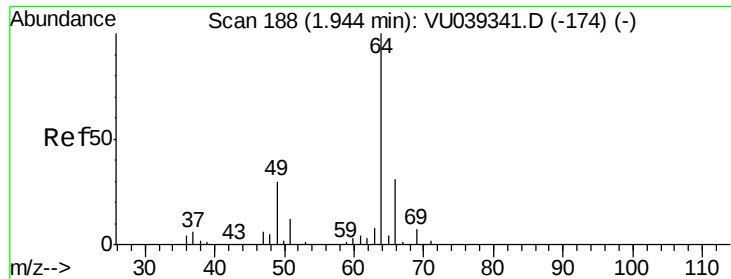
64 81.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

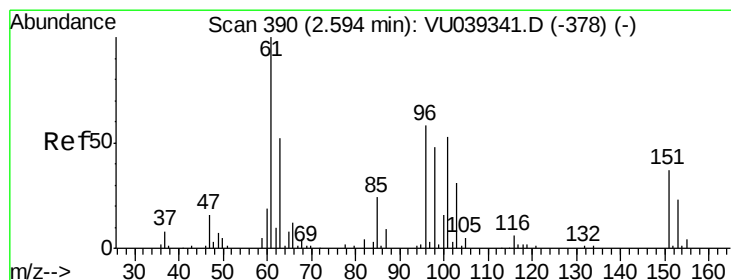
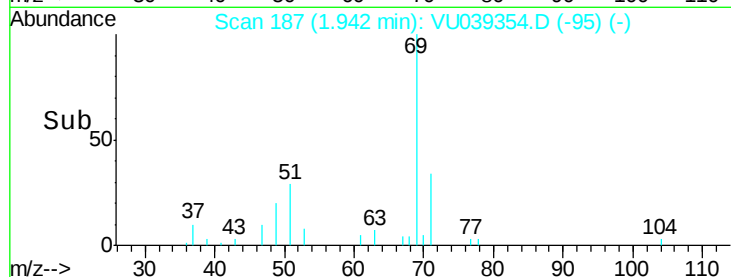
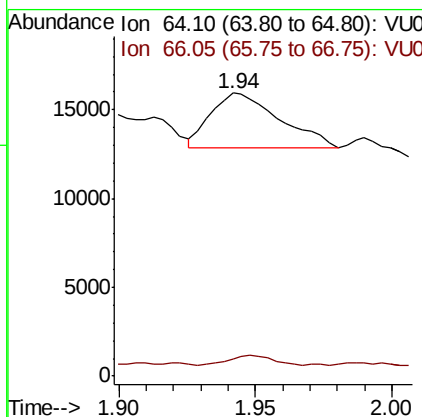
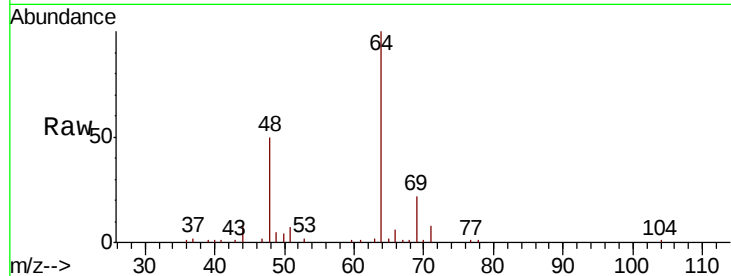




#8
Chloroethane
Concen: 0.923 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

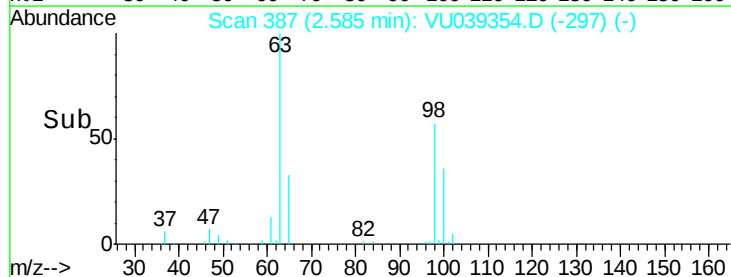
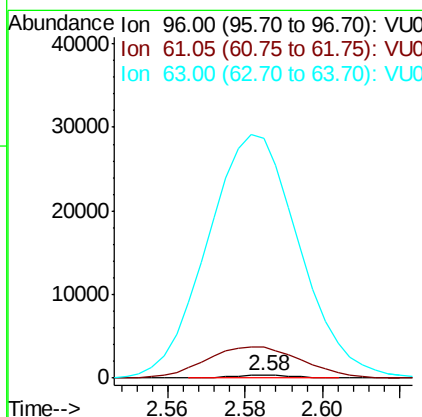
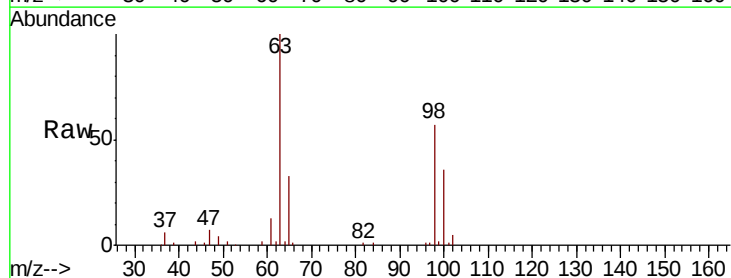
Instrument :
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ClientSampleId :
H4292

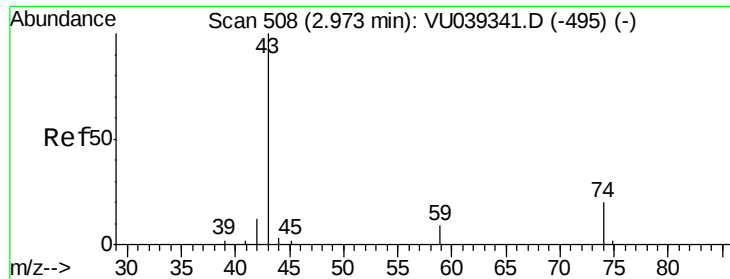
Tot Ion: 64 Resp: 5469
Ion Ratio Lower Upper
64 100
66 6.0 23.5 43.7#



#12
1,1-Dichloroethene
Concen: 0.063 ug/L
RT: 2.58 min Scan# 387
Delta R.T. -0.01 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

Tgt Ion: 96 Resp: 379
Ion Ratio Lower Upper
96 100
61 619.4 125.4 232.8#
63 4829.7 92.7 172.3#

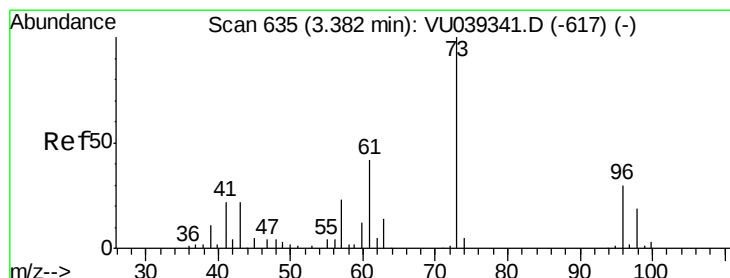
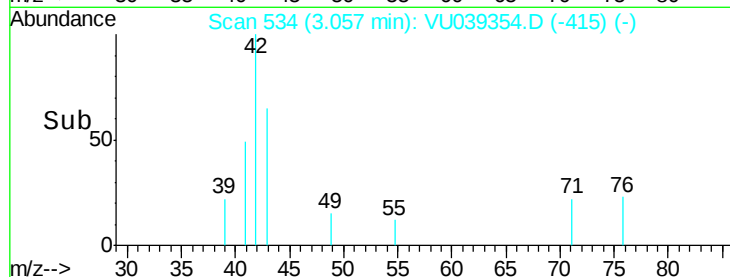
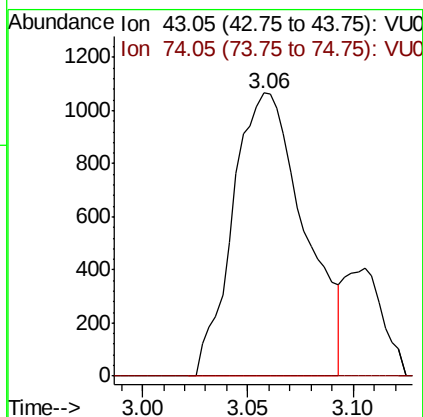
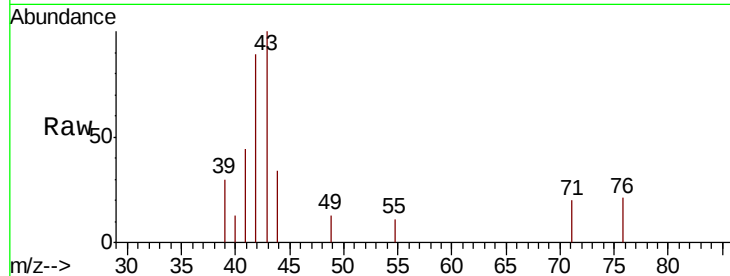




#15
Methyl Acetate
Concen: 0.660 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.08 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

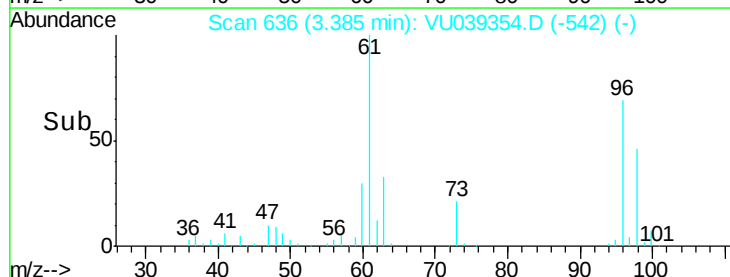
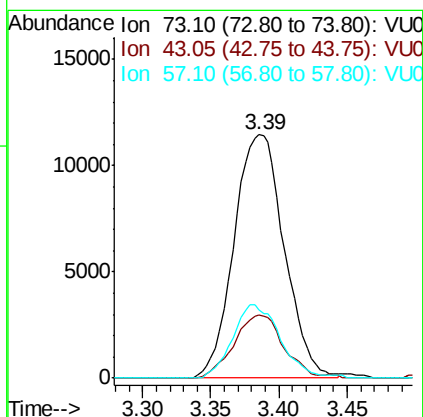
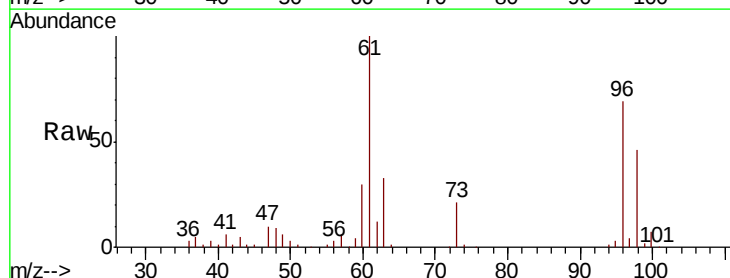
Instrument :
MSVOA_U
ClientSampleId :
H4292

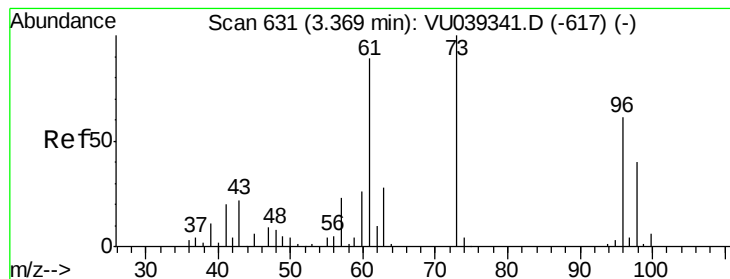
Tot Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#17
Methyl tert-butyl Ether
Concen: 1.553 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

Tgt Ion: 73 Resp: 29265
Ion Ratio Lower Upper
73 100
43 25.4 18.6 28.0
57 28.9 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 17.713 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

H4292

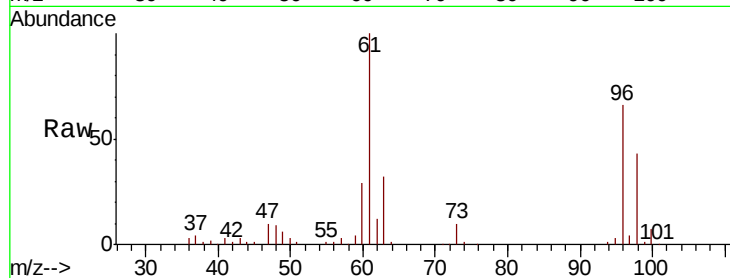
Tot Ion: 96 Resp: 117256

Ion Ratio Lower Upper

96 100

61 151.7 102.1 189.5

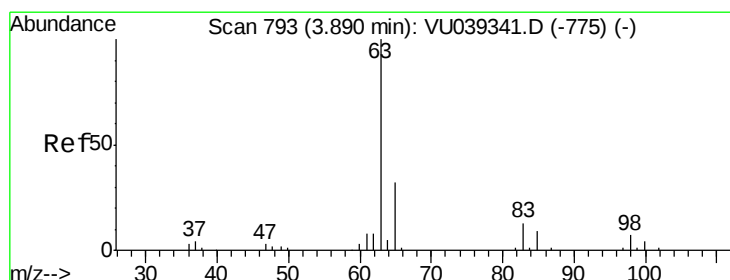
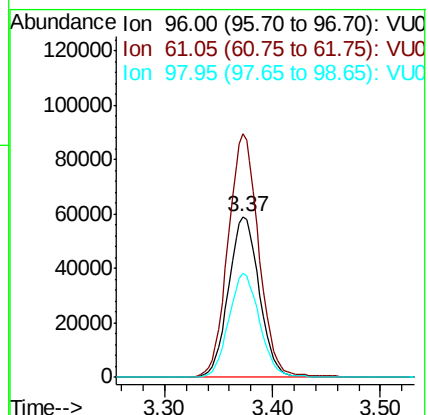
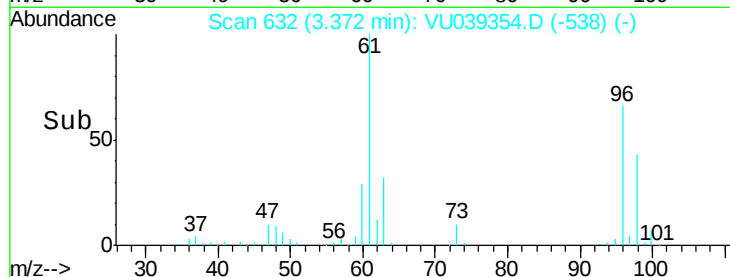
98 64.8 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039354.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039354.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039354.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 2.106 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

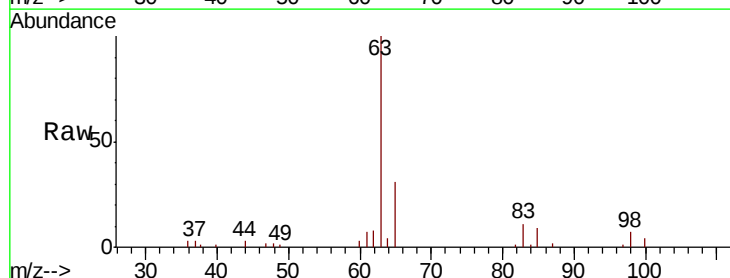
Tgt Ion: 63 Resp: 27280

Ion Ratio Lower Upper

63 100

65 31.4 23.0 42.6

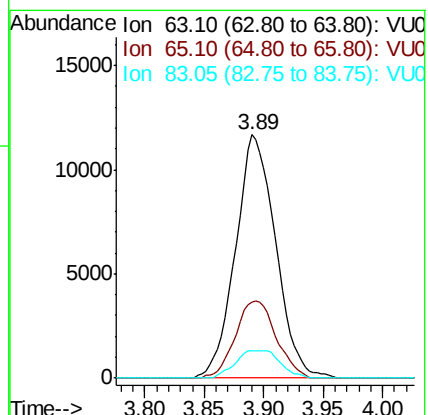
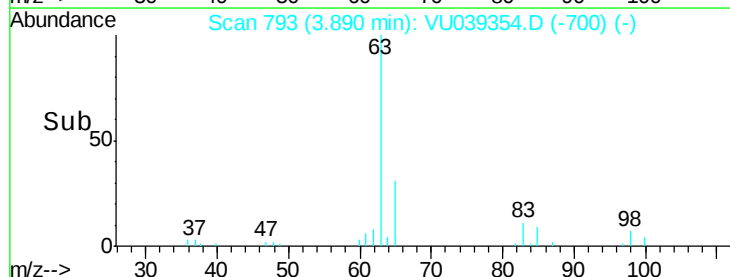
83 11.2 9.6 17.8

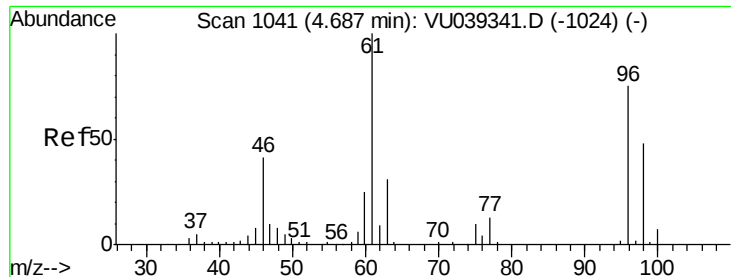


Abundance Ion 63.10 (62.80 to 63.80): VU039354.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039354.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039354.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.410 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

Instrument :

MSVOA_U

ClientSampleId :

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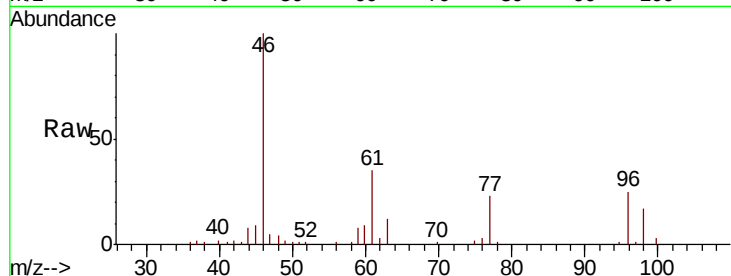
Tot Ion: 96 Resp: 10463

Ion Ratio Lower Upper

96 100

61 136.7 92.8 172.4

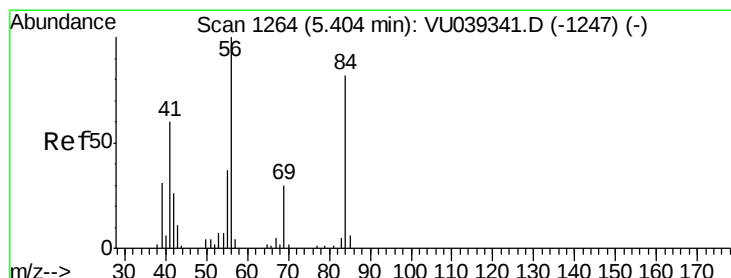
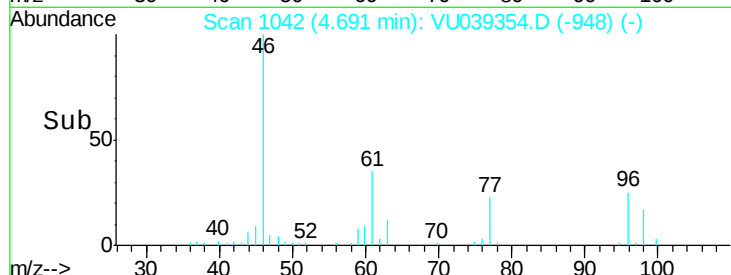
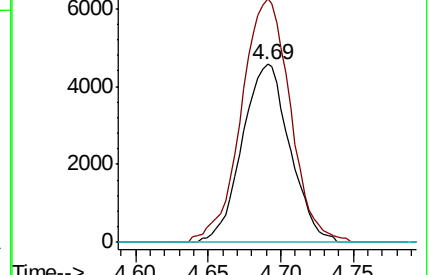
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039354.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039354.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039354.D (-1042) (-)



#30

Cyclohexane

Concen: 0.178 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

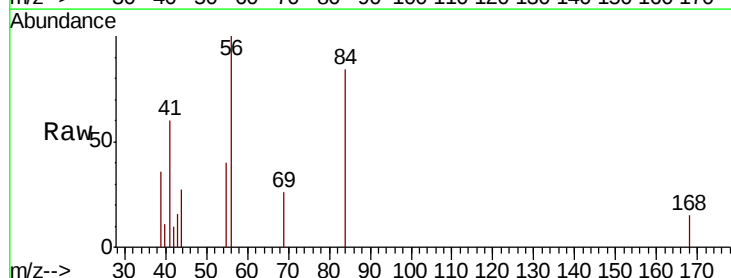
Tgt Ion: 56 Resp: 2095

Ion Ratio Lower Upper

56 100

69 10.8 24.1 36.1#

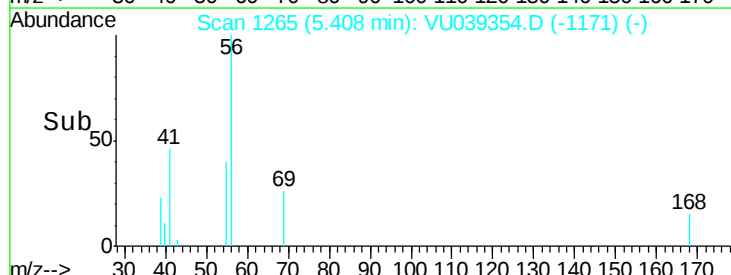
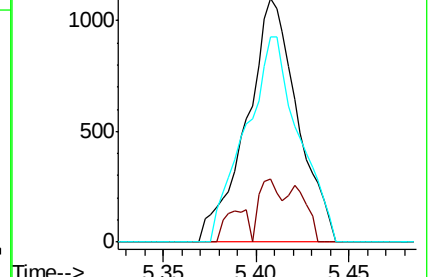
84 88.3 67.0 100.6

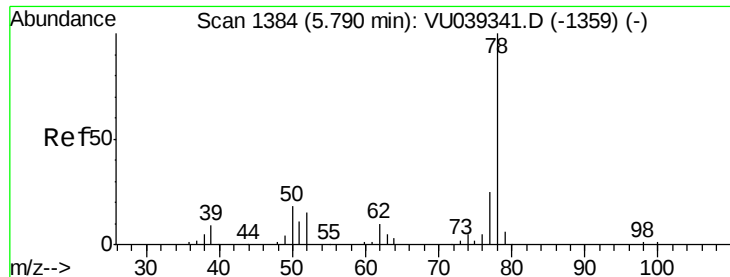


Abundance Ion 56.10 (55.80 to 56.80): VU039354.D (-1265) (-)

Ion 69.15 (68.85 to 69.85): VU039354.D (-1265) (-)

Ion 84.15 (83.85 to 84.85): VU039354.D (-1265) (-)





#33

Benzene

Concen: 0.848 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

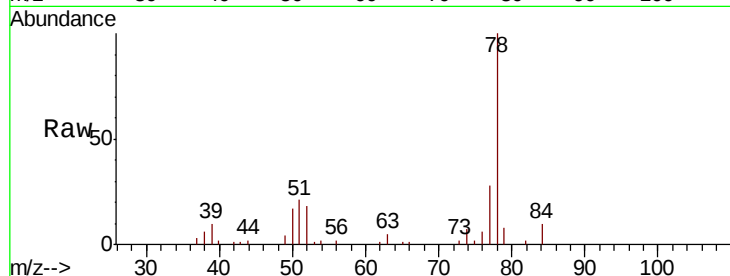
Instrument :

MSVOA_U

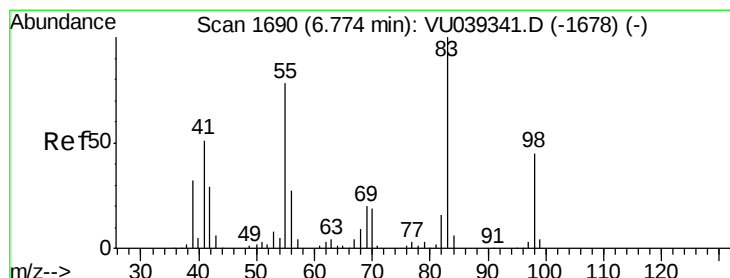
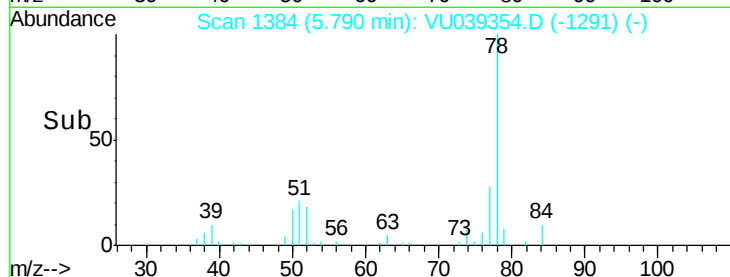
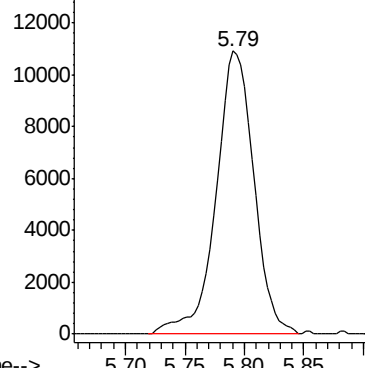
ClientSampleId :

H4292

Tgt Ion: 78 Resp: 24099



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.887 ug/L

RT: 6.70 min Scan# 1668

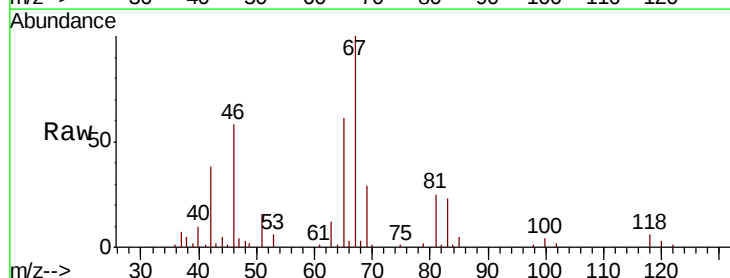
Delta R.T. -0.07 min

Lab File: VU039354.D

Acq: 08 Jul 2020 17:53

Tgt Ion: 83 Resp: 10451

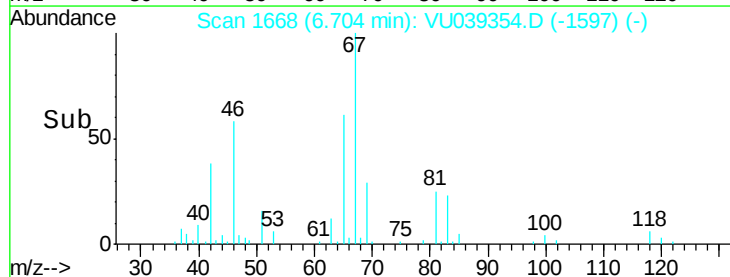
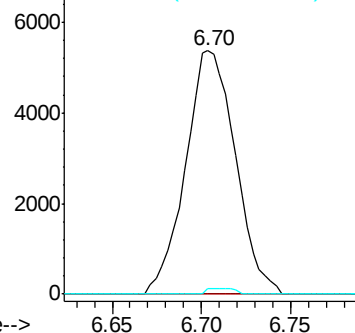
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.1	93.1#
98	1.3	35.9	53.9#

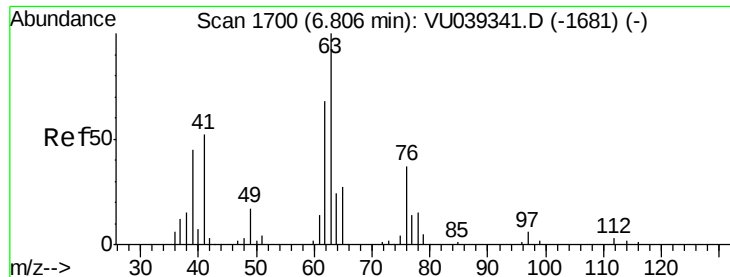


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

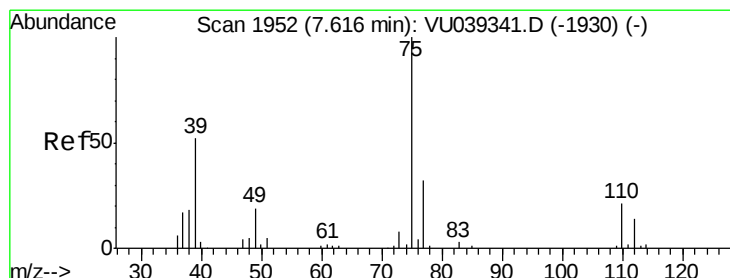
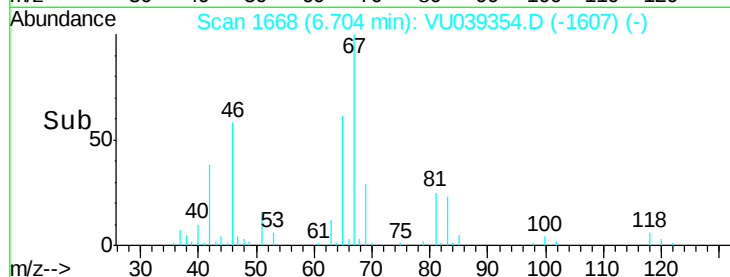
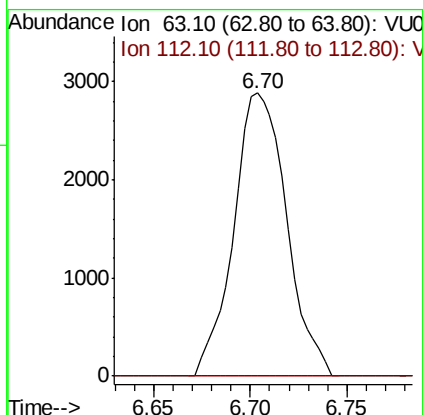
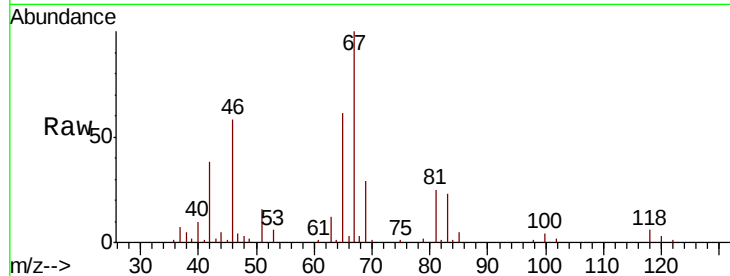




#37
 1,2-Dichloropropane
 Concen: 0.707 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039354.D
 Acq: 08 Jul 2020 17:53

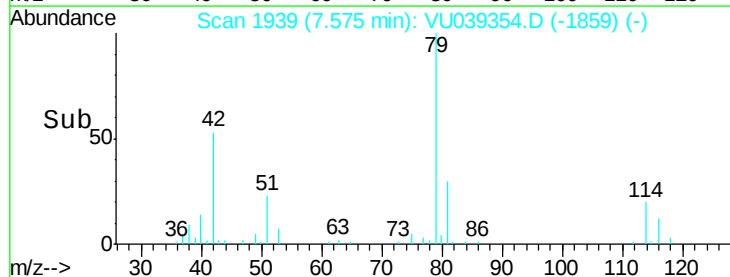
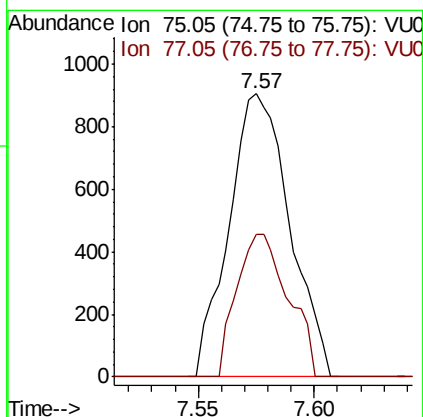
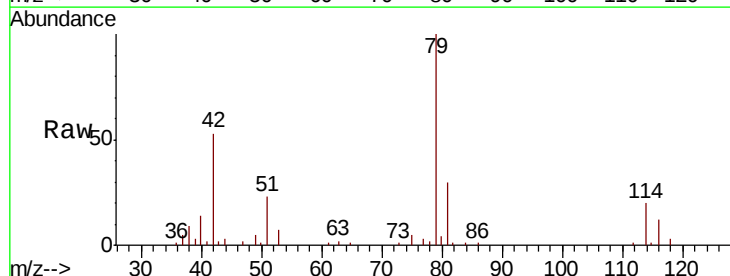
Instrument :
 MSVOA_U
 ClientSampleId :
 H4292

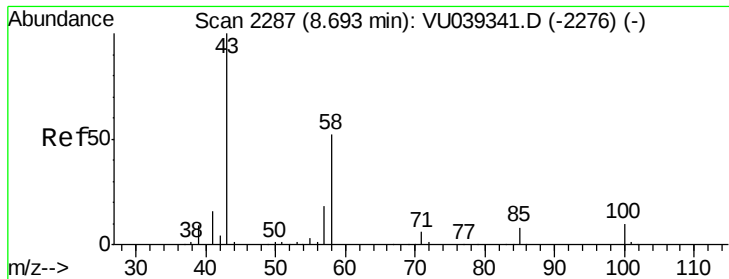
Tot Ion: 63 Resp: 5478
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.141 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039354.D
 Acq: 08 Jul 2020 17:53

Tgt Ion: 75 Resp: 1649
 Ion Ratio Lower Upper
 75 100
 77 50.5 22.3 41.3#

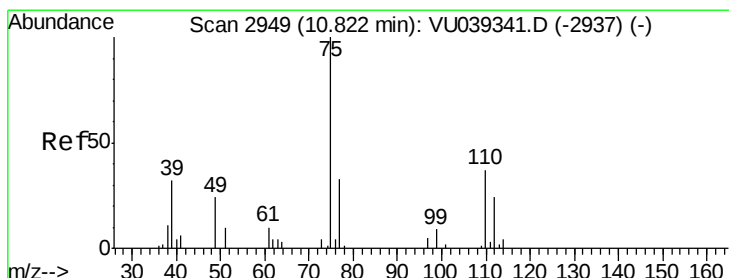
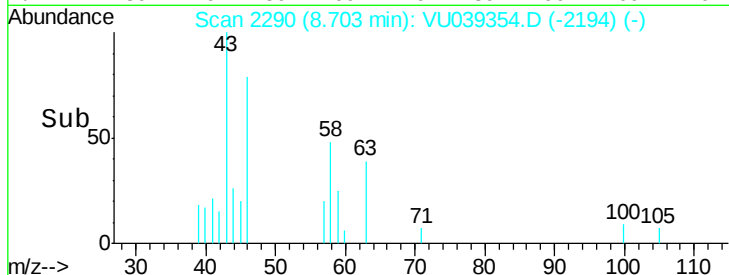
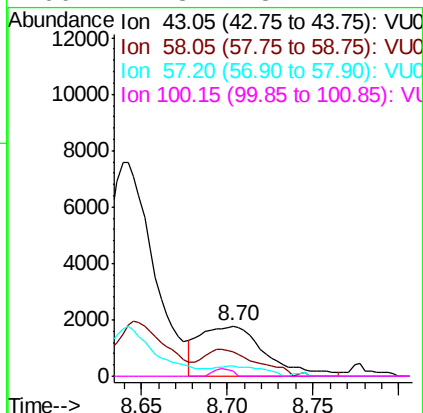
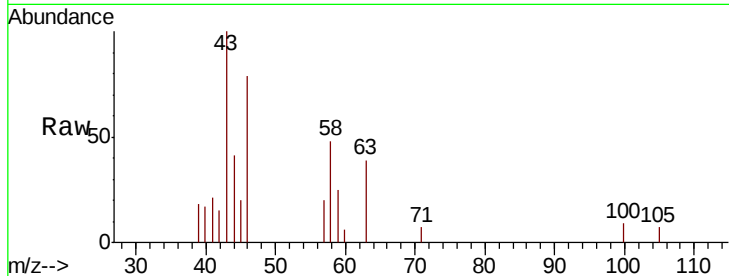




#48
2-Hexanone
Concen: 0.989 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

Instrument :
MSVOA_U
ClientSampleId :
H4292

Tot Ion: 43 Resp: 4715
Ion Ratio Lower Upper
43 100
58 42.5 42.0 63.0
57 15.4 14.0 21.0
100 4.3 8.2 12.2#



#59
1,2,3-Trichloropropane
Concen: 1.261 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039354.D
Acq: 08 Jul 2020 17:53

Tgt Ion: 75 Resp: 7205
Ion Ratio Lower Upper
75 100
77 37.3 26.8 40.2

