

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039344.D
 Acq On : 08 Jul 2020 14:03
 Operator : SY/MD
 Sample : L3193-12DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4277DL

Quant Time: Jul 09 02:31:30 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	6.26	114	116787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110688	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53883	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31056	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.93	69	33493	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	48124	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.66	46	161176	52.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.08%
24) Chloroform-d	5.09	84	70803	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	44911	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.75	84	136686	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	48103	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	121940	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
43) trans-1,3-Dichloropropene-	8.19	79	19555	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.64	63	118635	48.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.76%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42645	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47997	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	15856	1.665	ug/L #	81
8) Chloroethane	1.94	64	571	0.083	ug/L #	59
12) 1,1-Dichloroethene	2.58	96	464	0.067	ug/L #	1
13) Acetone	2.66	43	4309	2.578	ug/L	88
16) Methylene chloride	3.06	84	838	0.096	ug/L	93
17) Methyl tert-butyl Ether	3.39	73	24325	1.111	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	3568	0.464	ug/L	85
19) 1,1-Dichloroethane	3.89	63	2866	0.191	ug/L #	79
21) 2-Butanone	4.74	43	29620	9.927	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	92844	10.768	ug/L	97
25) Chloroform	5.11	83	2671	0.176	ug/L	81
33) Benzene	5.80	78	2738	0.083	ug/L	100
34) Trichloroethene	6.56	95	2424	0.283	ug/L	96
35) Methylcyclohexane	6.70	83	10422	0.760	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5596	0.620	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1724	0.126	ug/L	85
48) 2-Hexanone	8.70	43	5152	0.928	ug/L #	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
Data File : VU039344.D
Acq On : 08 Jul 2020 14:03
Operator : SY/MD
Sample : L3193-12DL 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Quant Time: Jul 09 02:31:30 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

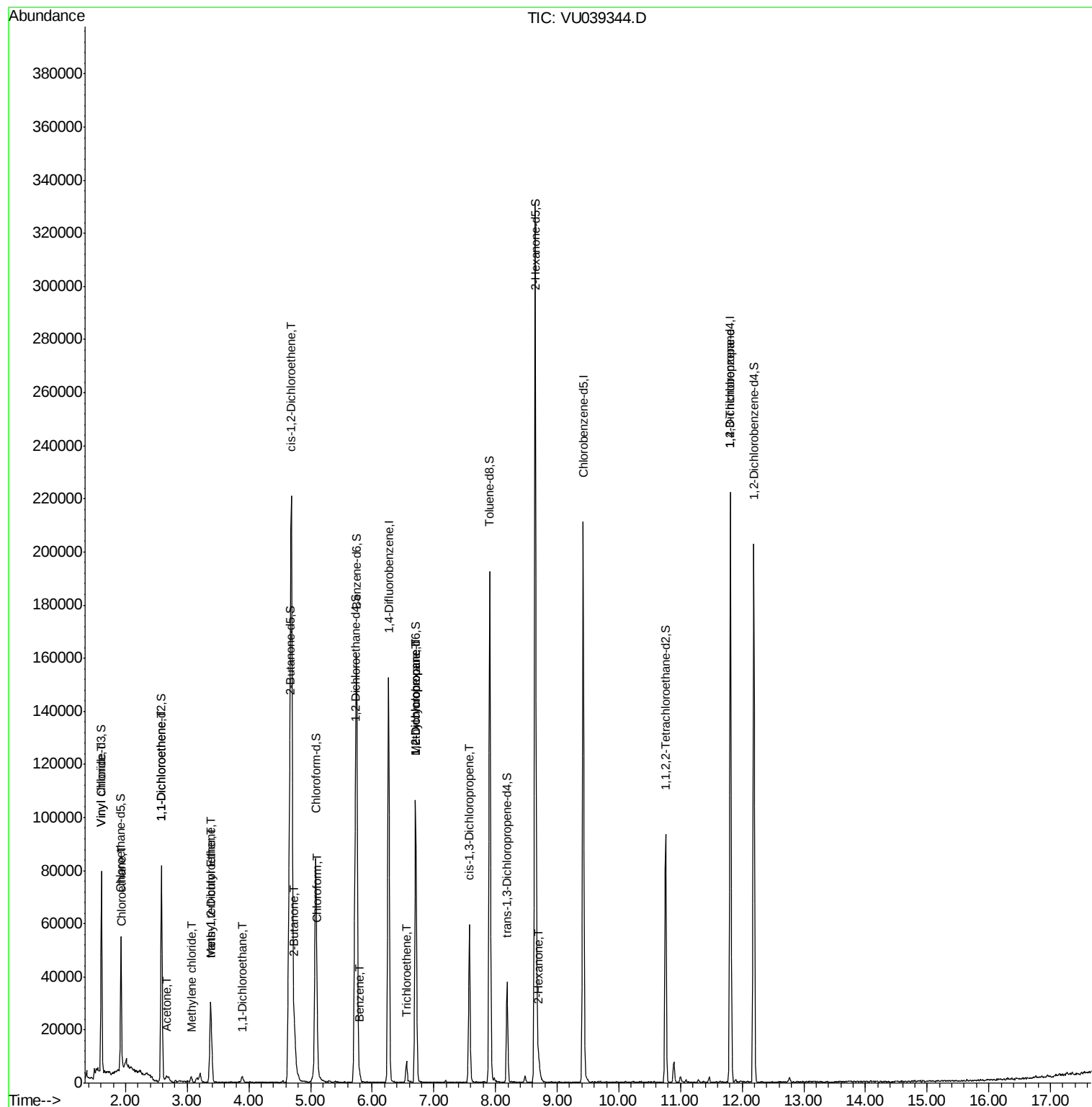
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	8084	1.216	ug/L #	85

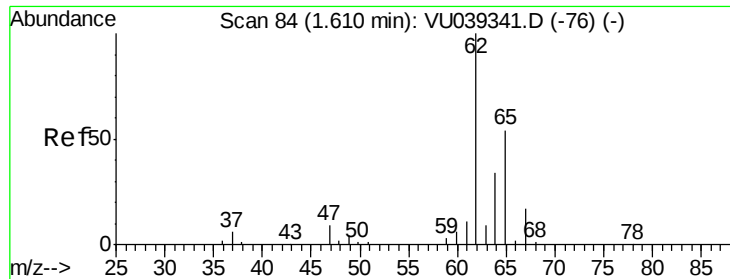
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
Data File : VU039344.D
Acq On : 08 Jul 2020 14:03
Operator : SY/MD
Sample : L3193-12DL 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Quant Time: Jul 09 02:31:30 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





#5

Vinyl chloride

Concen: 1.665 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

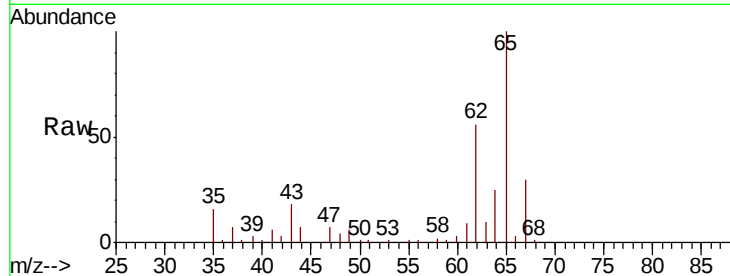
H4277DL

Tot Ion: 62 Resp: 15856

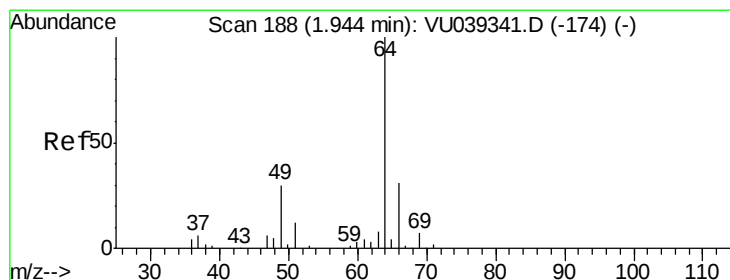
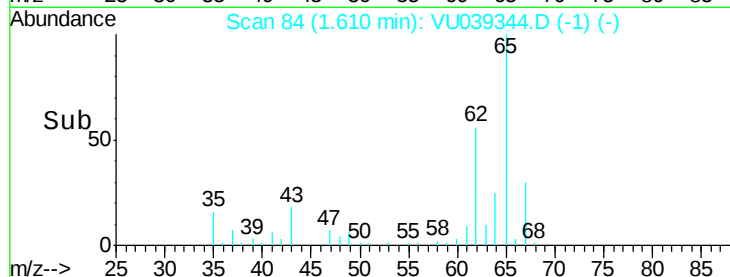
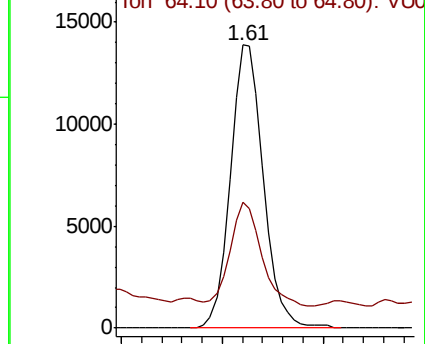
Ion Ratio Lower Upper

62 100

64 44.5 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU039344.D (-76) (-)



#8

Chloroethane

Concen: 0.083 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039344.D

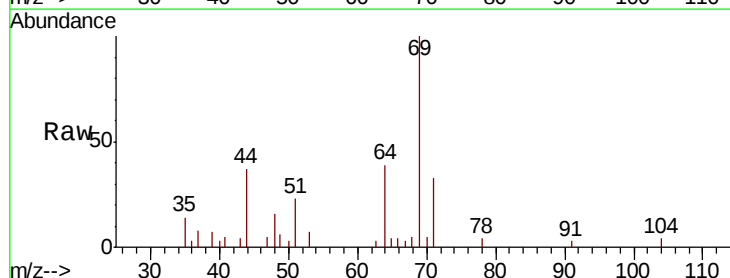
Acq: 08 Jul 2020 14:03

Tgt Ion: 64 Resp: 571

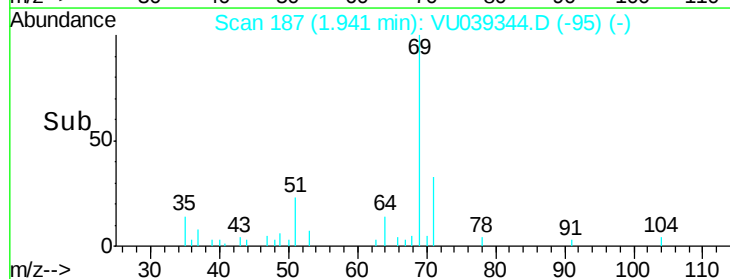
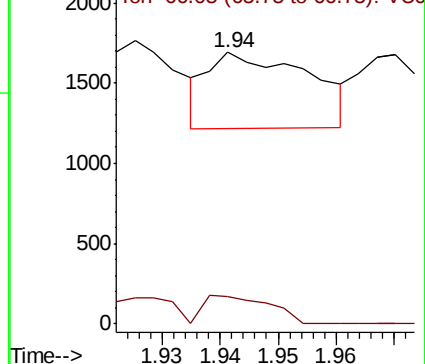
Ion Ratio Lower Upper

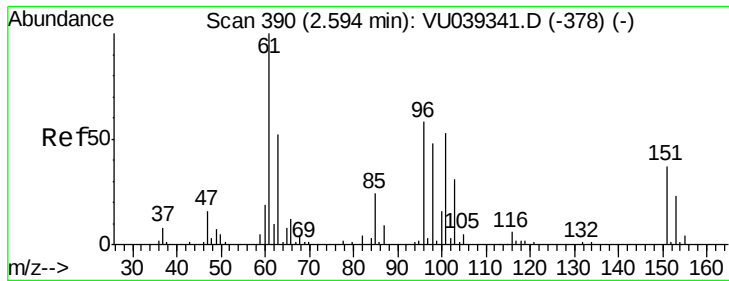
64 100

66 10.2 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039344.D (-174) (-)





#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

Instrument :

MSVOA_U

ClientSampleID :

H4277DL

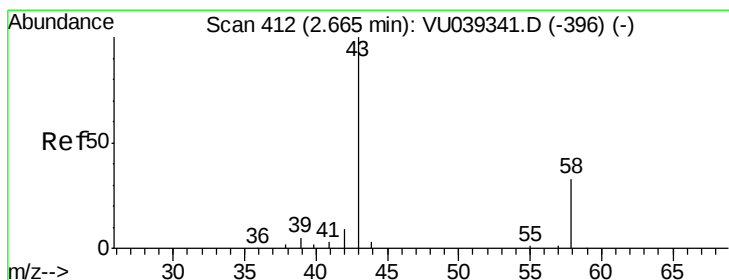
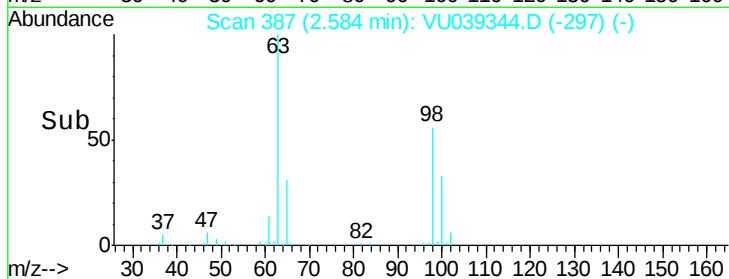
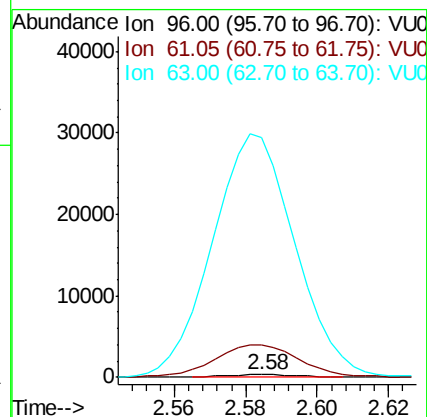
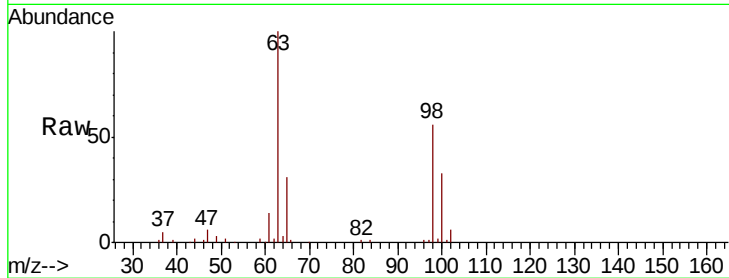
Tot Ion: 96 Resp: 464

Ion Ratio Lower Upper

96 100

61 1149.1 125.4 232.8#

63 8418.3 92.7 172.3#



#13

Acetone

Concen: 2.578 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039344.D

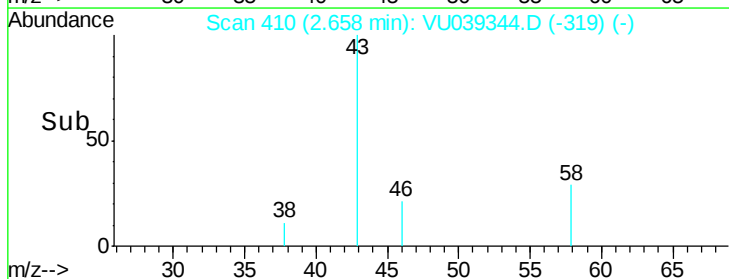
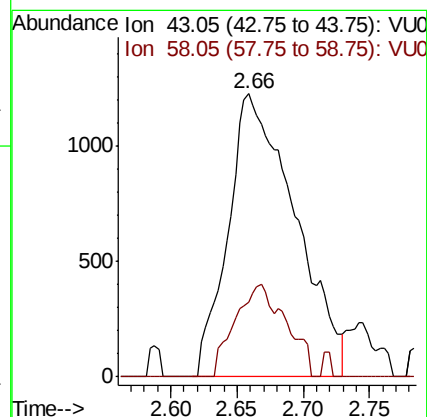
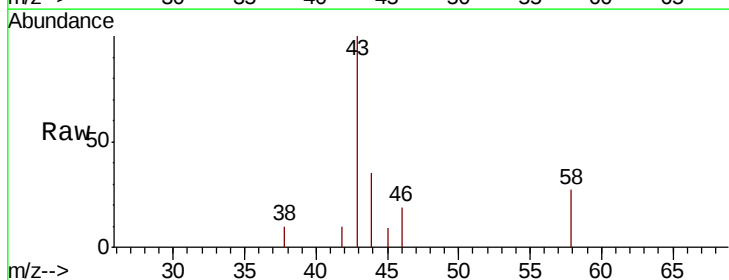
Acq: 08 Jul 2020 14:03

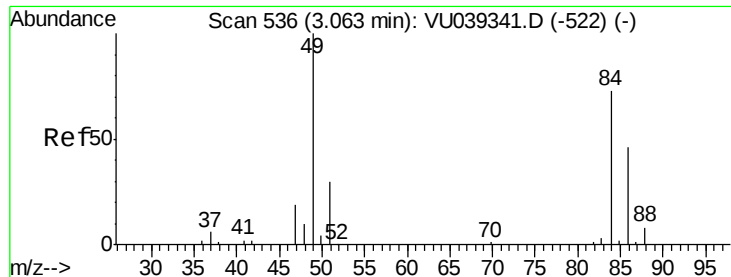
Tgt Ion: 43 Resp: 4309

Ion Ratio Lower Upper

43 100

58 24.8 0.0 62.8

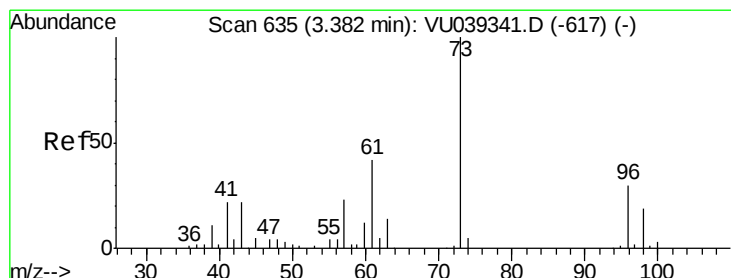
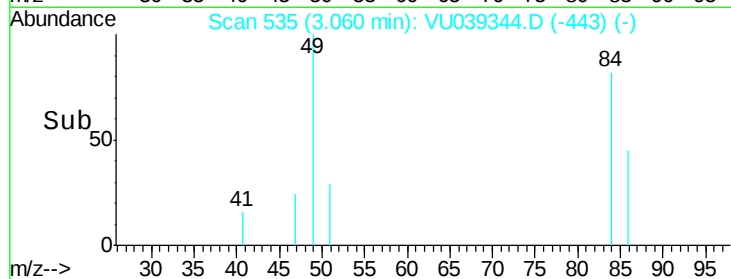
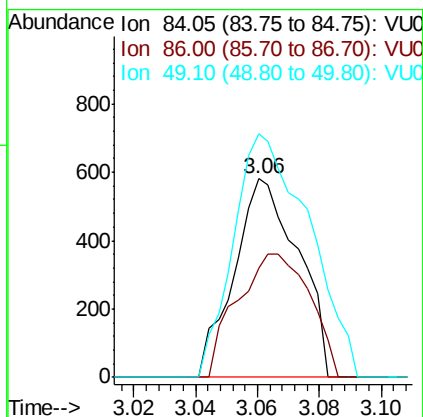
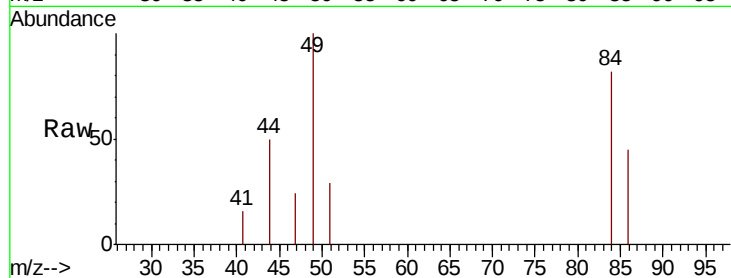




#16
Methylene chloride
Concen: 0.096 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

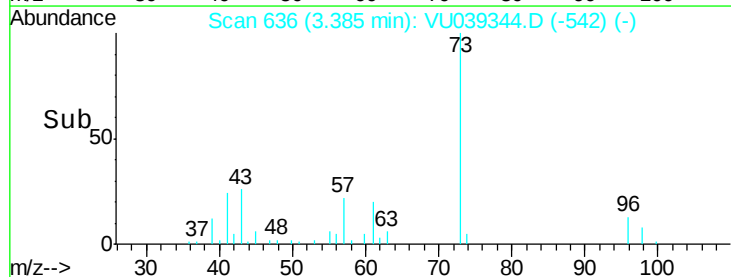
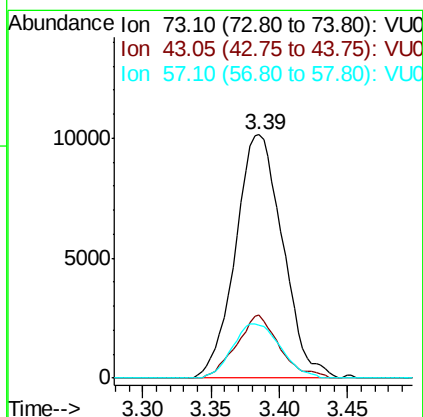
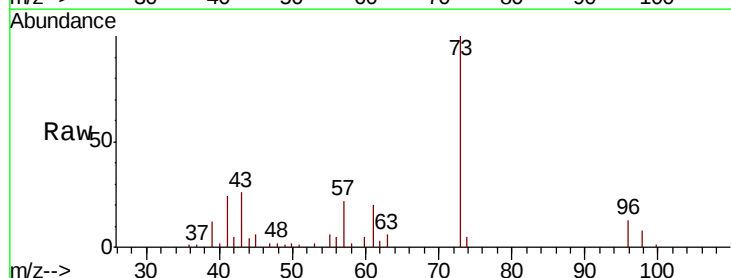
Instrument :
MSVOA_U
ClientSampled :
H4277DL

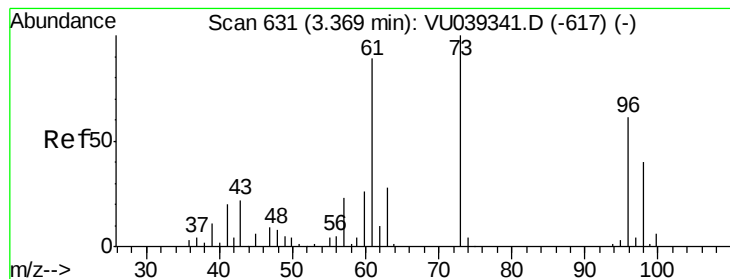
Tot Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
86 55.1 43.5 80.9
49 122.5 91.1 169.1



#17
Methyl tert-butyl Ether
Concen: 1.111 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Tgt Ion: 73 Resp: 24325
Ion Ratio Lower Upper
73 100
43 23.6 18.6 28.0
57 22.7 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 0.464 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

H4277DL

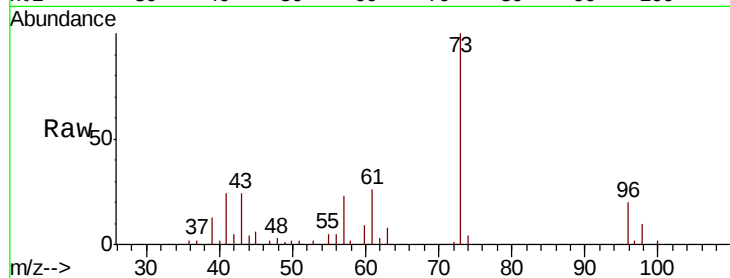
Tot Ion: 96 Resp: 3568

Ion Ratio Lower Upper

96 100

61 128.5 102.1 189.5

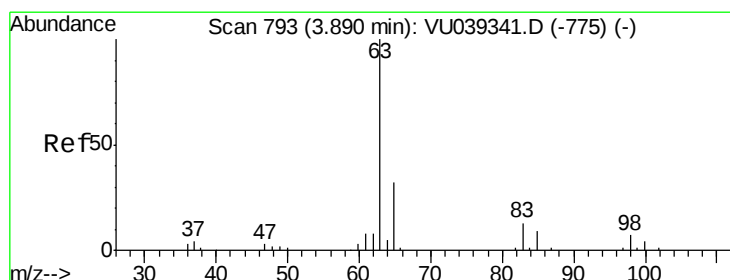
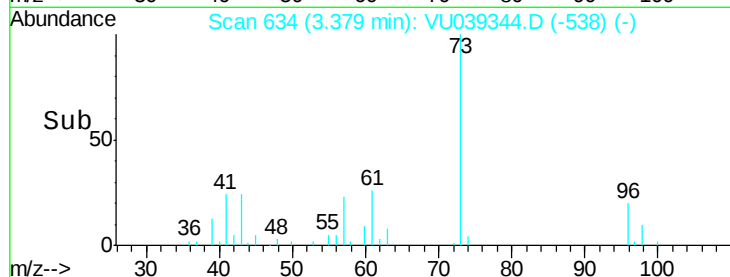
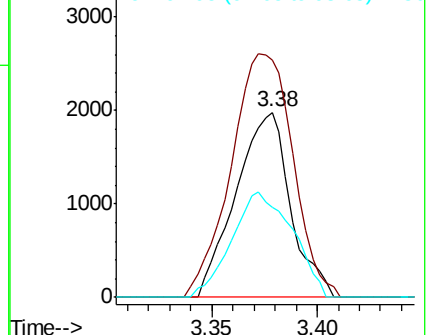
98 48.4 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU039344.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039344.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039344.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.191 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

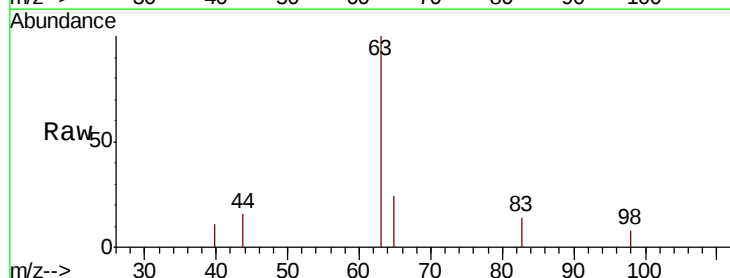
Tgt Ion: 63 Resp: 2866

Ion Ratio Lower Upper

63 100

65 24.0 23.0 42.6

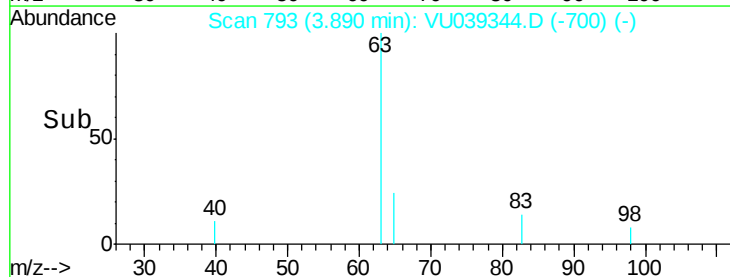
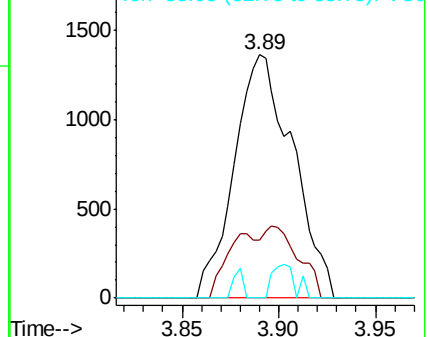
83 0.0 9.6 17.8#

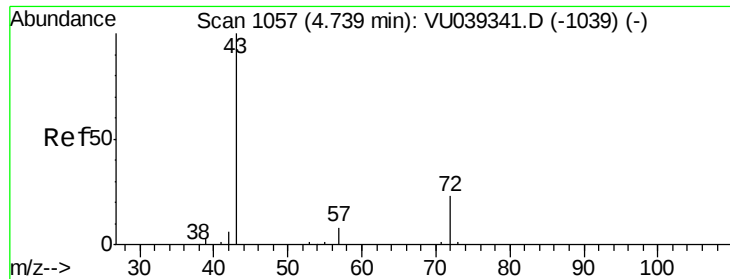


Abundance Ion 63.10 (62.80 to 63.80): VU039344.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039344.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039344.D (-700) (-)

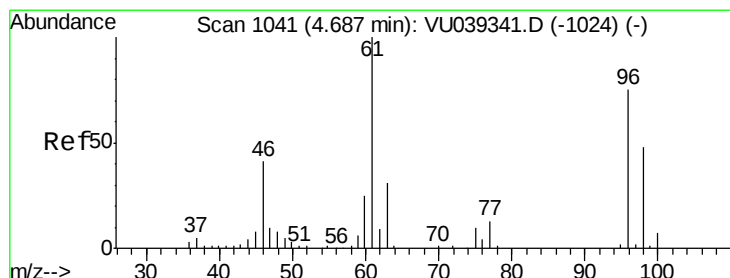
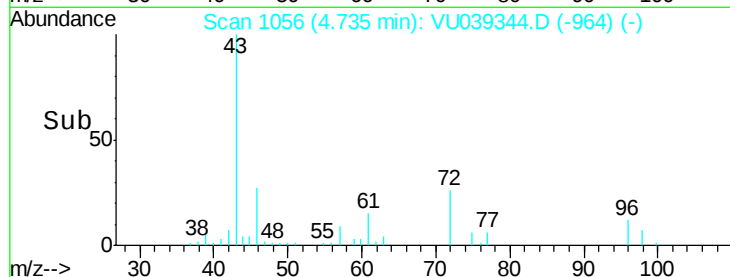
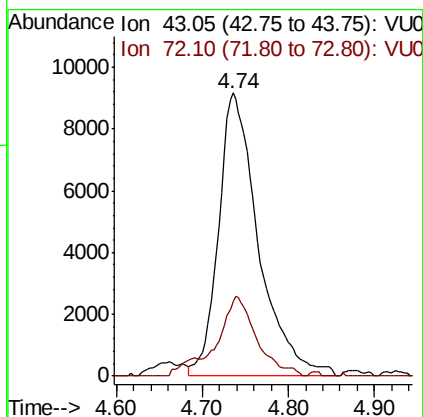
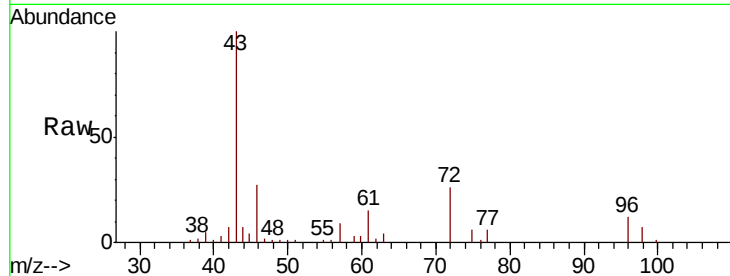




#21
2-Butanone
Concen: 9.927 ug/L
RT: 4.74 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

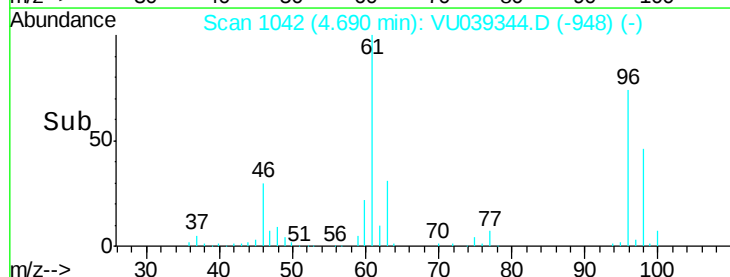
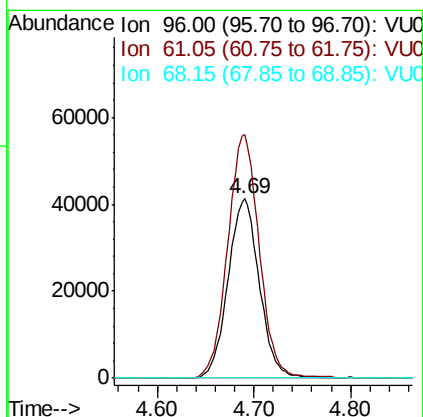
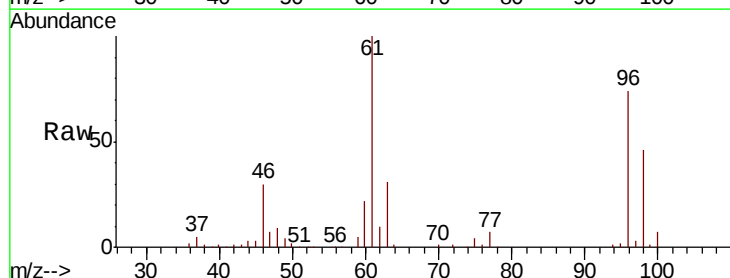
Instrument :
MSVOA_U
ClientSampled :
H4277DL

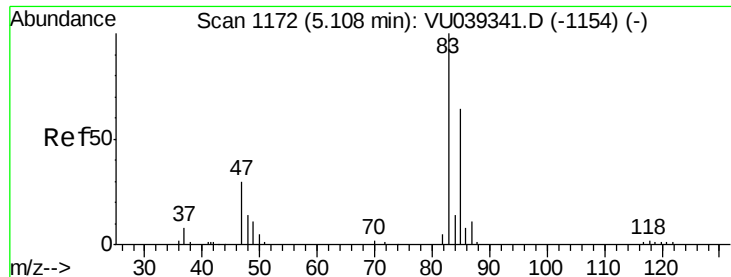
Tot Ion: 43 Resp: 29620
Ion Ratio Lower Upper
43 100
72 25.6 13.2 39.5



#22
cis-1,2-Dichloroethene
Concen: 10.768 ug/L
RT: 4.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Tgt Ion: 96 Resp: 92844
Ion Ratio Lower Upper
96 100
61 135.9 92.8 172.4
68 0.0 0.0 0.0

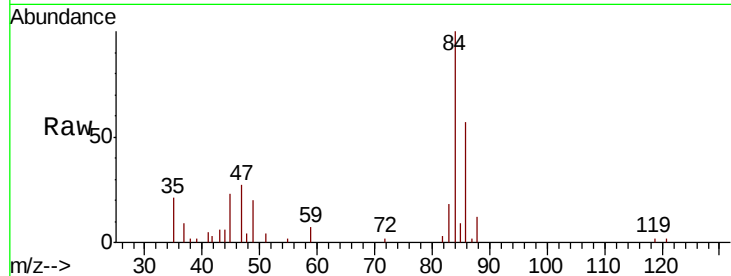




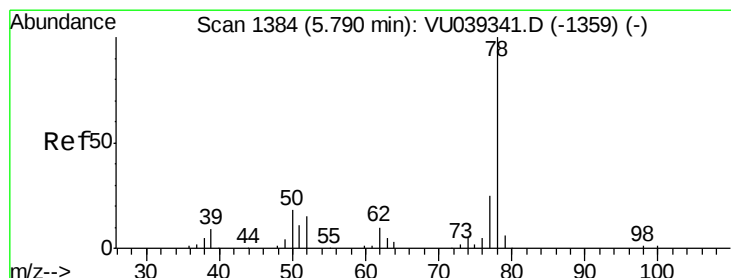
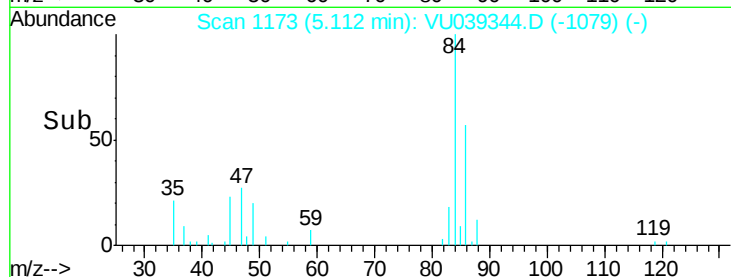
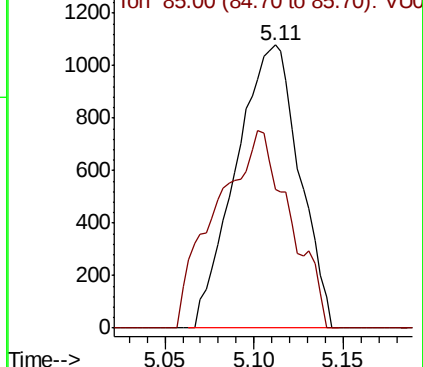
#25
Chloroform
Concen: 0.176 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Tot Ion: 83 Resp: 2671
Ion Ratio Lower Upper
83 100
85 49.2 44.9 83.5

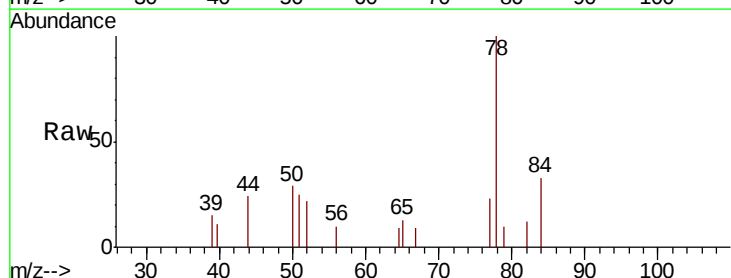


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

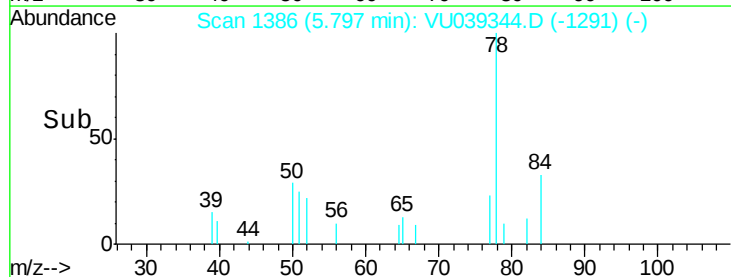
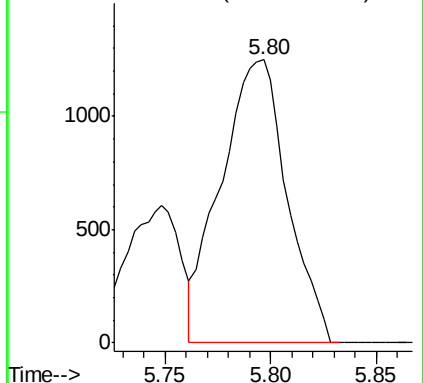


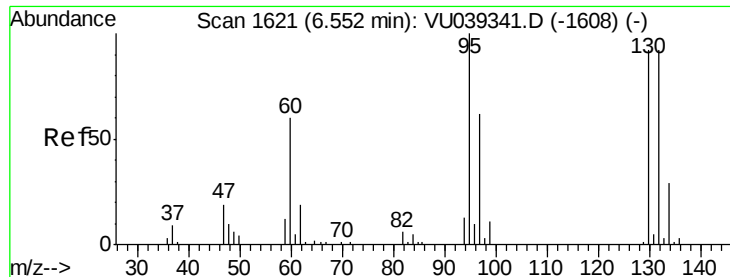
#33
Benzene
Concen: 0.083 ug/L
RT: 5.80 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Tgt Ion: 78 Resp: 2738



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.283 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

Instrument :

MSVOA_U

ClientSampleId :

H4277DL

Tot Ion: 95 Resp: 2424

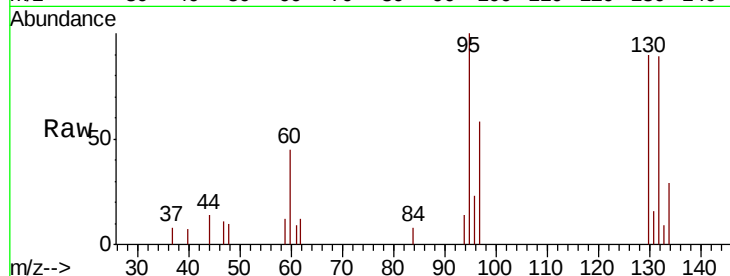
Ion Ratio Lower Upper

95 100

97 58.3 46.3 85.9

132 88.6 64.0 118.8

130 90.1 64.3 119.5

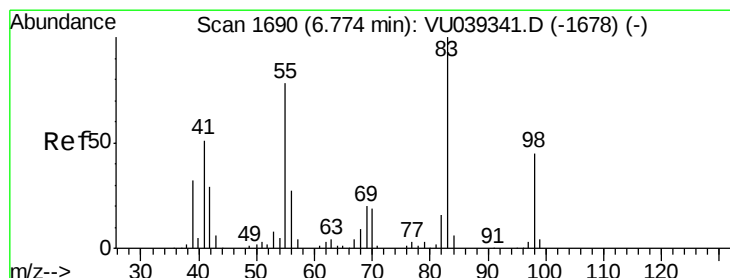
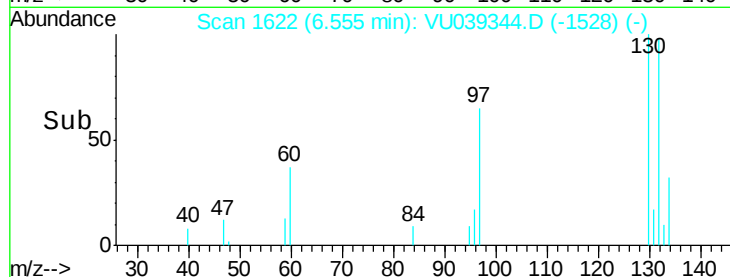
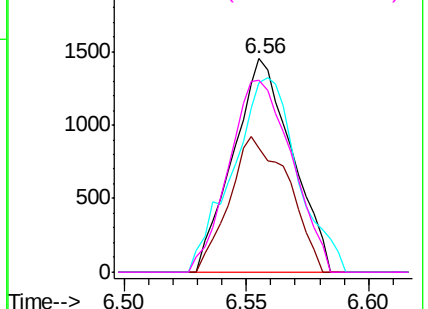


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.760 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039344.D

Acq: 08 Jul 2020 14:03

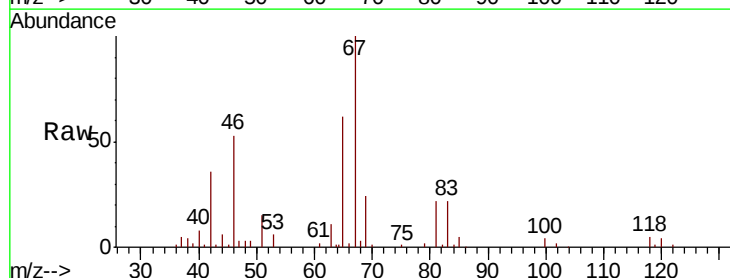
Tgt Ion: 83 Resp: 10422

Ion Ratio Lower Upper

83 100

55 0.7 62.1 93.1#

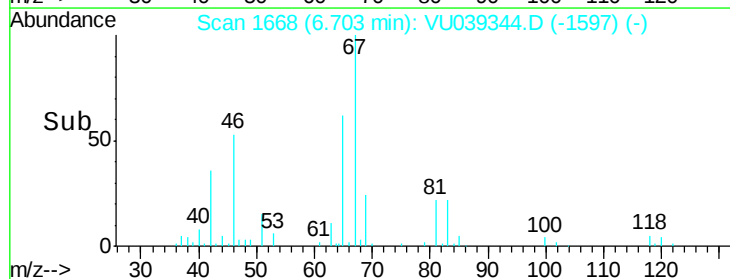
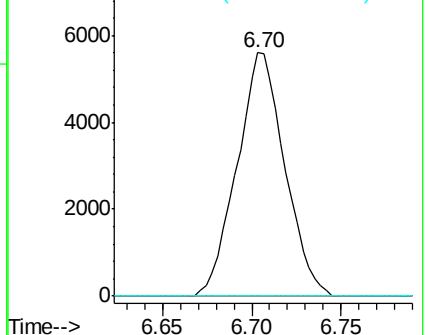
98 0.0 35.9 53.9#

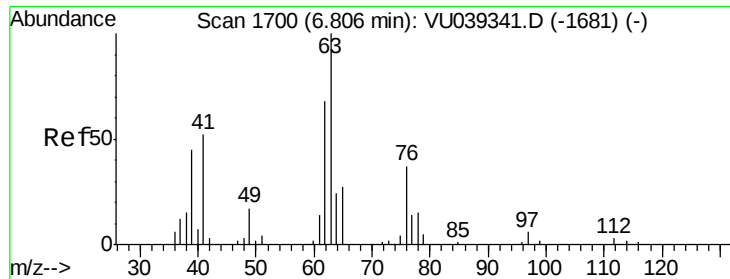


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

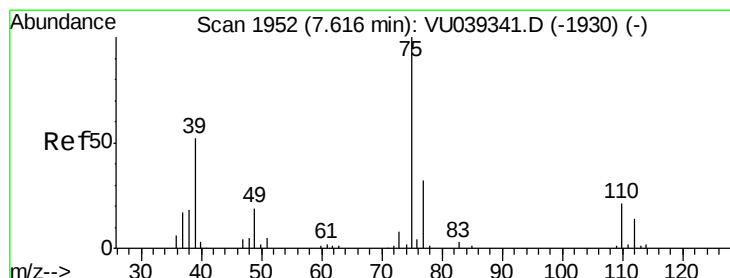
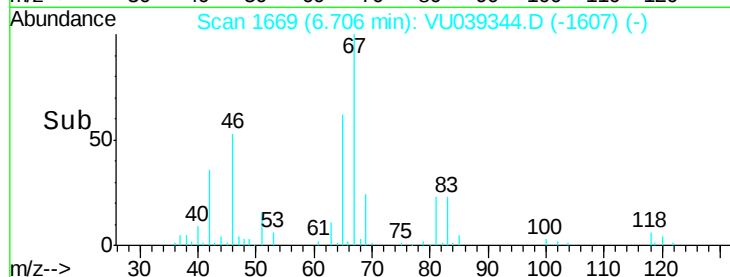
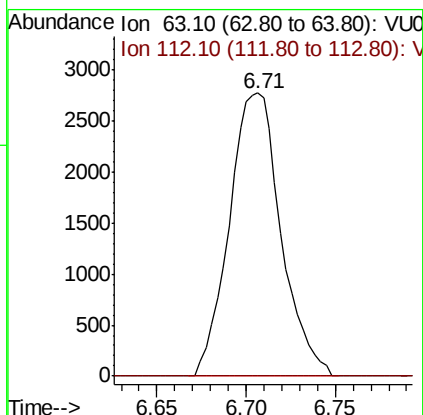
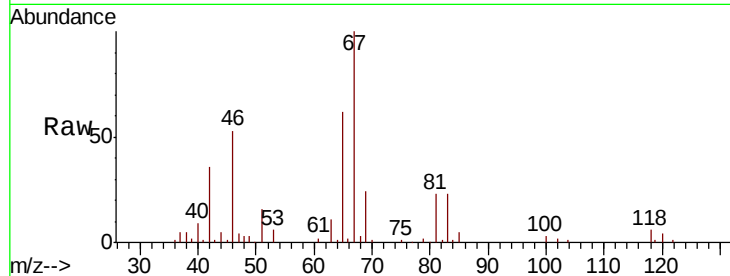




#37
 1,2-Dichloropropane
 Concen: 0.620 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039344.D
 Acq: 08 Jul 2020 14:03

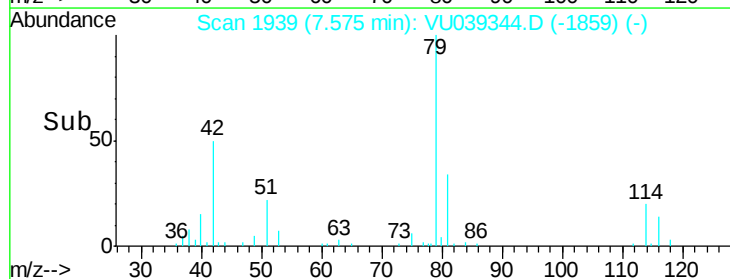
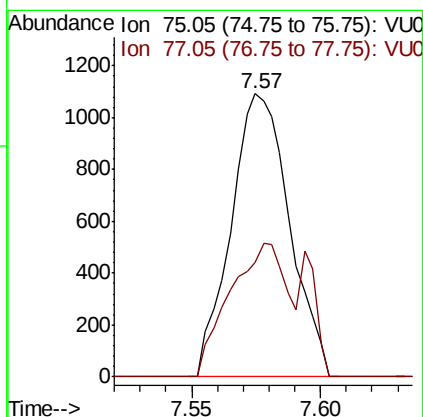
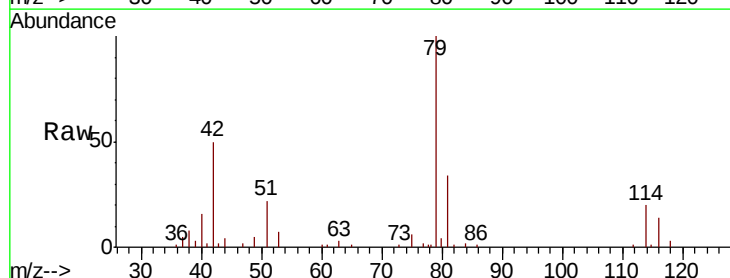
Instrument :
 MSVOA_U
 ClientSampleId :
 H4277DL

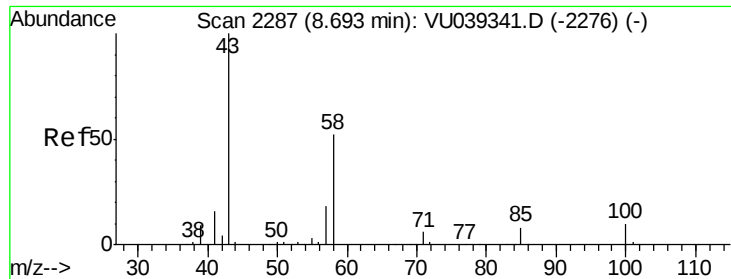
Tot Ion: 63 Resp: 5596
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039344.D
 Acq: 08 Jul 2020 14:03

Tgt Ion: 75 Resp: 1724
 Ion Ratio Lower Upper
 75 100
 77 40.2 22.3 41.3

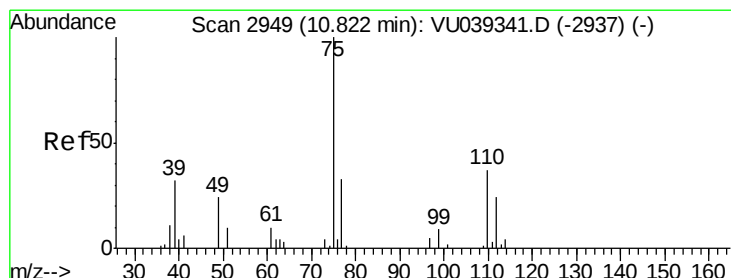
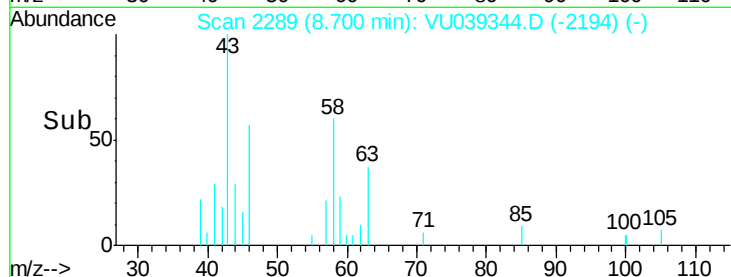
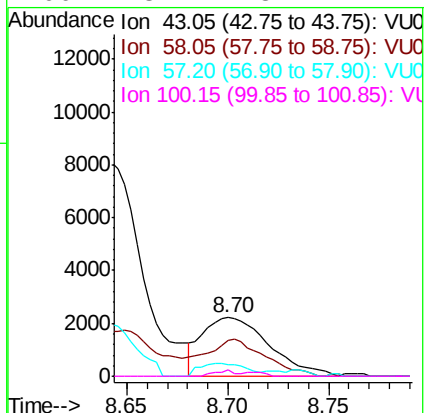
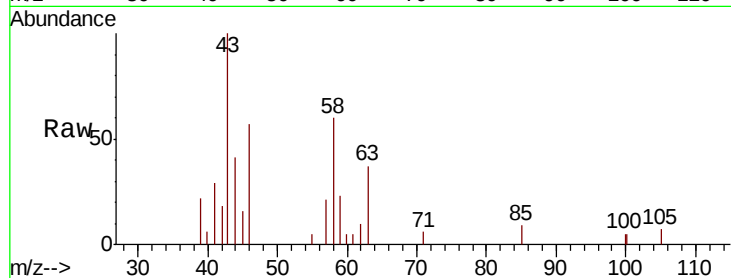




#48
2-Hexanone
Concen: 0.928 ug/L
RT: 8.70 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Instrument :
MSVOA_U
ClientSampleId :
H4277DL

Tot Ion: 43 Resp: 5152
Ion Ratio Lower Upper
43 100
58 54.3 42.0 63.0
57 14.8 14.0 21.0
100 3.2 8.2 12.2#



#59
1,2,3-Trichloropropane
Concen: 1.216 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039344.D
Acq: 08 Jul 2020 14:03

Tgt Ion: 75 Resp: 8084
Ion Ratio Lower Upper
75 100
77 41.9 26.8 40.2#

