

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040383.D
 Acq On : 30 Sep 2020 01:07
 Operator : SY/MD
 Sample : L4186-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F5

Quant Time: Sep 30 02:58:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55810	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29953	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.92	69	28016	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	49825	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.65	46	165803	54.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.48%
24) Chloroform-d	5.08	84	76279	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.72	65	46487	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.75	84	131530	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	47901	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	101730	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.19	79	17995	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	116011	52.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46023	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48062	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	39883	3.319 ug/L	100
8) Chloroethane	1.84	64	16679	2.342 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	501	0.047 ug/L #	1
12) 1,1-Dichloroethene	2.59	96	2867	0.303 ug/L #	1
13) Acetone	2.66	43	2051	0.805 ug/L	77
14) Carbon disulfide	2.81	76	1887	0.063 ug/L #	71
17) Methyl tert-butyl Ether	3.38	73	3961	0.152 ug/L #	92
18) trans-1,2-Dichloroethene	3.37	96	7002	0.715 ug/L	99
19) 1,1-Dichloroethane	3.89	63	3313	0.165 ug/L #	85
22) cis-1,2-Dichloroethene	4.69	96	370149	34.183 ug/L	100
25) Chloroform	5.11	83	1917	0.094 ug/L	97
34) Trichloroethene	6.55	95	1369	0.122 ug/L	93
35) Methylcyclohexane	6.70	83	11009	0.669 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5354	0.455 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1144	0.073 ug/L	87
44) trans-1,3-Dichloropropene	8.18	75	822	0.057 ug/L	88
48) 2-Hexanone	8.64	43	15693	2.312 ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 02:48:48 2020
Response via : Initial Calibration

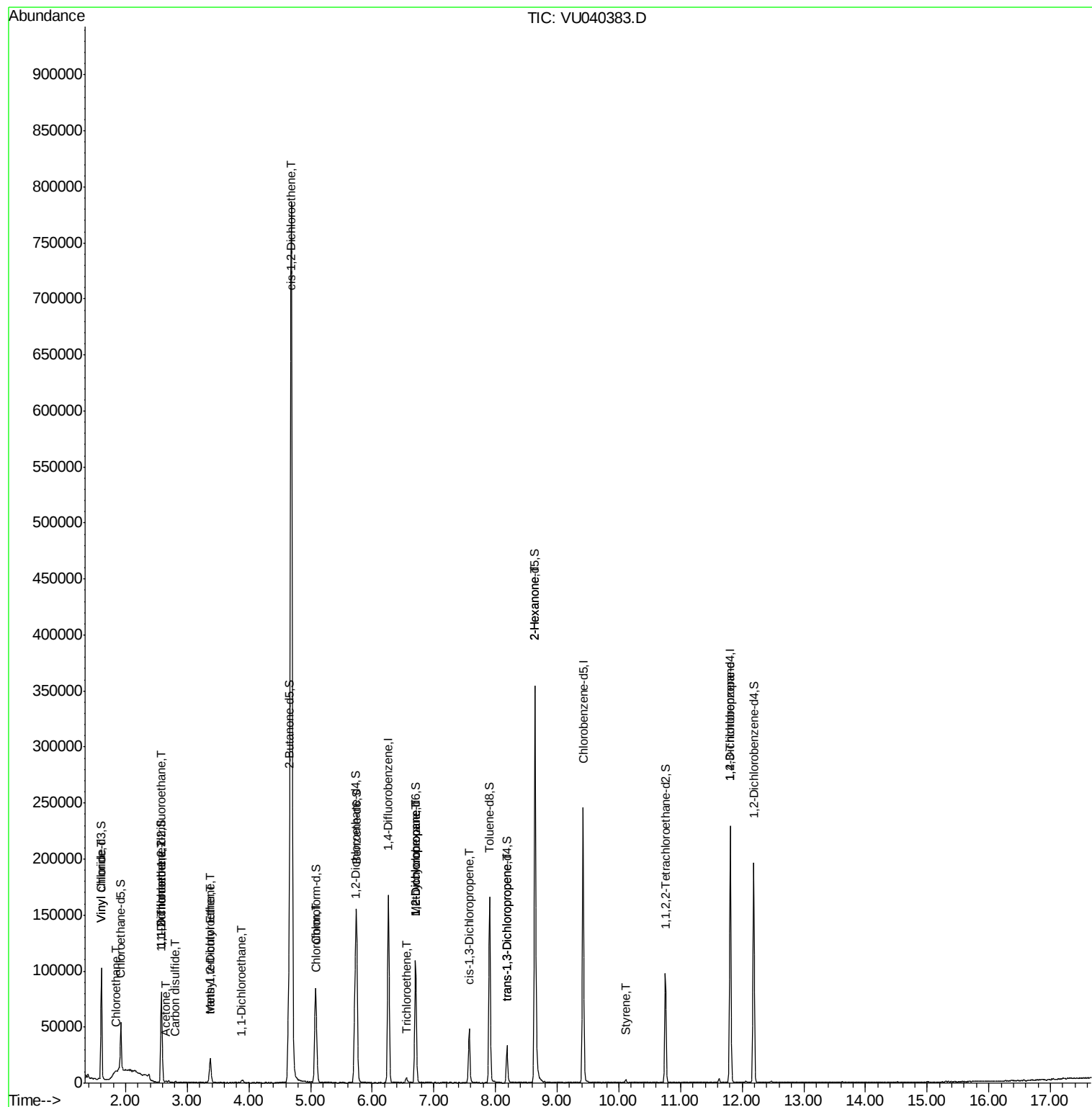
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.12	104	1336	0.046	ug/L	87
59) 1,2,3-Trichloropropane	11.81	75	7901	0.927	ug/L	92

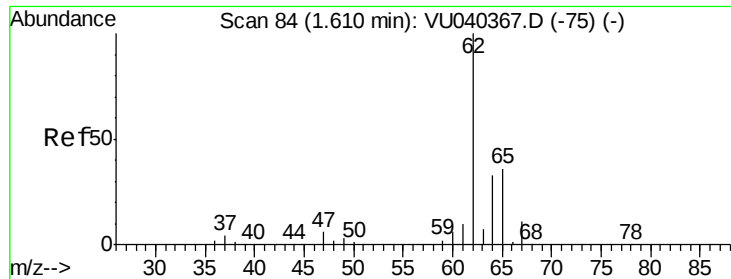
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 02:48:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.319 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampled :

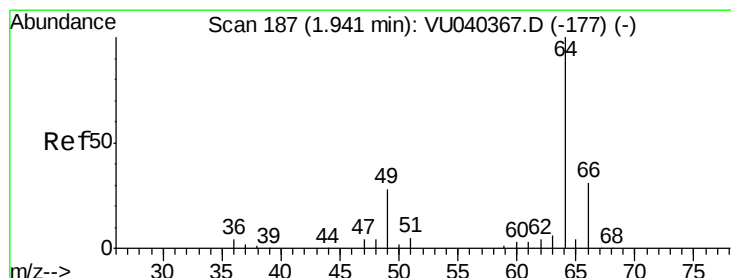
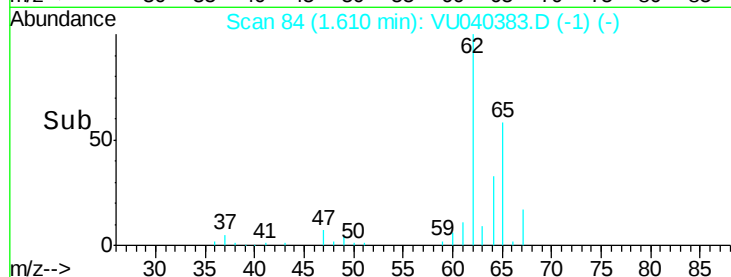
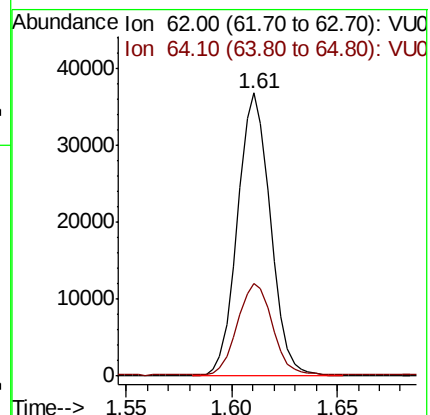
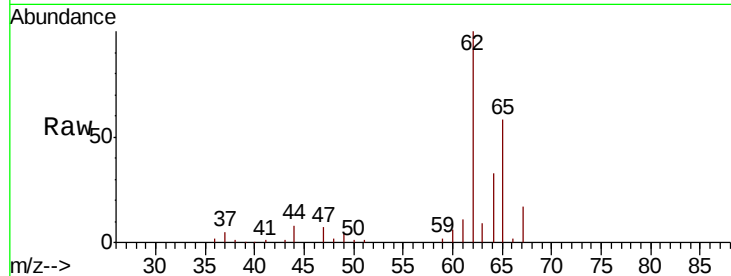
BG0F5

Tot Ion: 62 Resp: 39883

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#8

Chloroethane

Concen: 2.342 ug/L

RT: 1.84 min Scan# 155

Delta R.T. -0.10 min

Lab File: VU040383.D

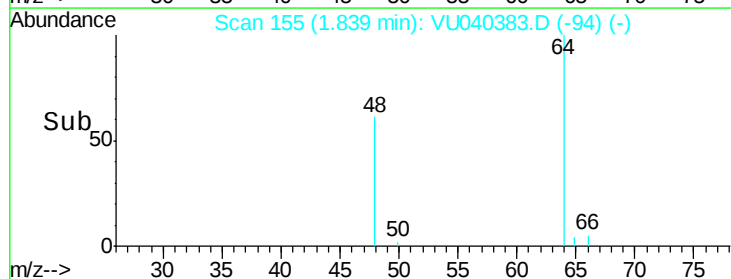
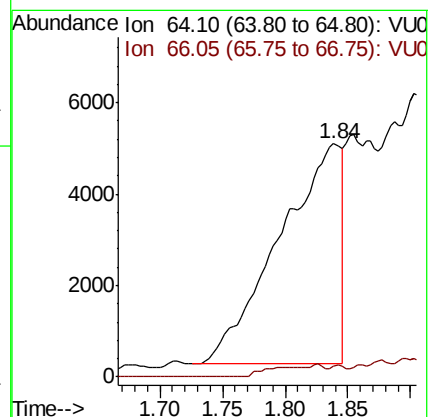
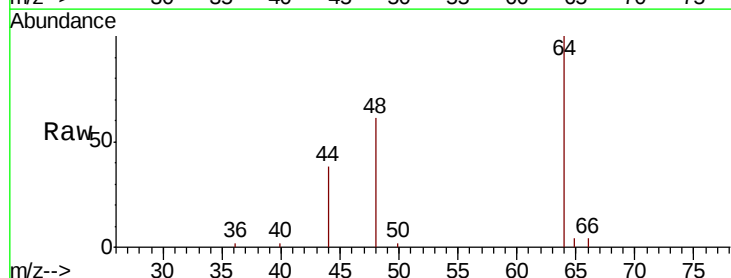
Acq: 30 Sep 2020 01:07

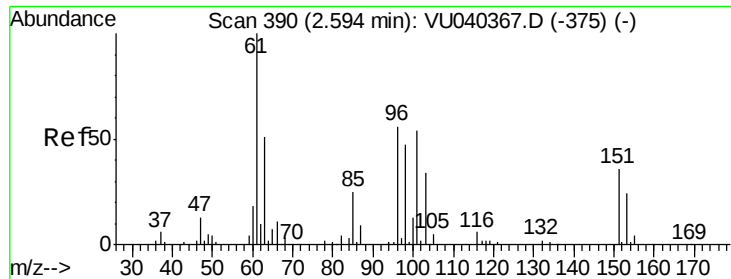
Tgt Ion: 64 Resp: 16679

Ion Ratio Lower Upper

64 100

66 4.4 21.3 39.6#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.047 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

BG0F5

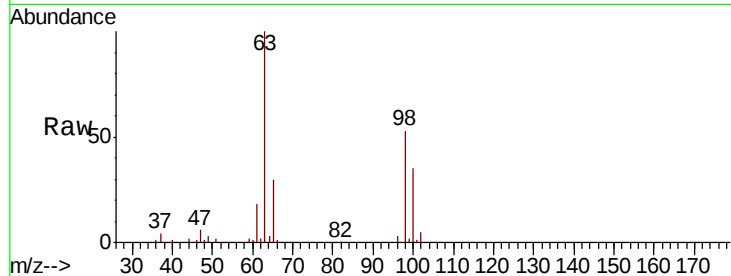
Tot Ion:101 Resp: 501

Ion Ratio Lower Upper

101 100

85 126.7 35.0 52.6#

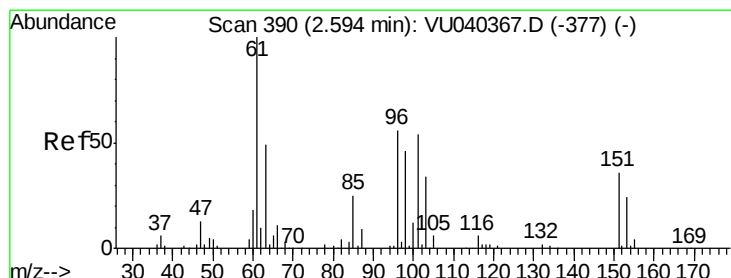
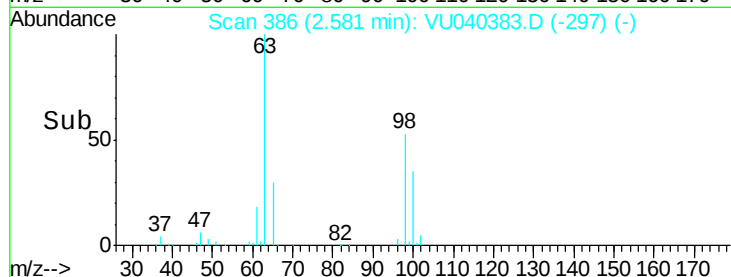
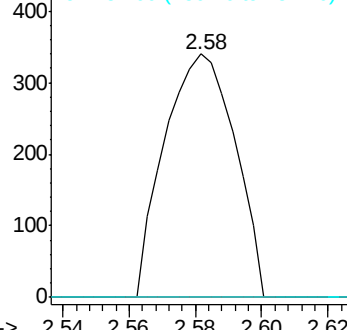
151 0.0 55.4 83.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.303 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

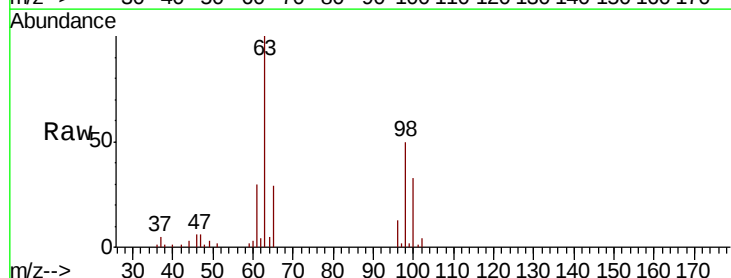
Tgt Ion: 96 Resp: 2867

Ion Ratio Lower Upper

96 100

61 228.6 128.6 238.8

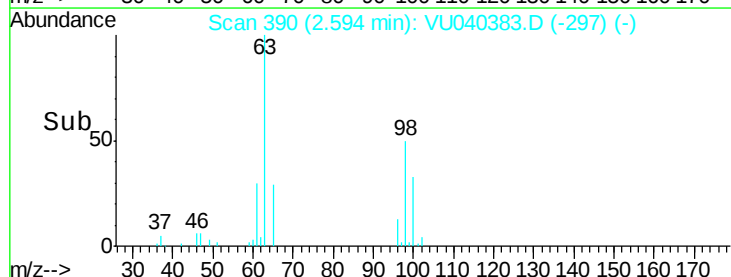
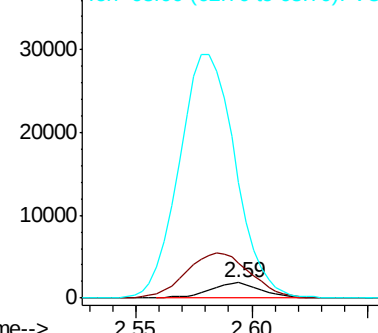
63 750.8 67.8 126.0#

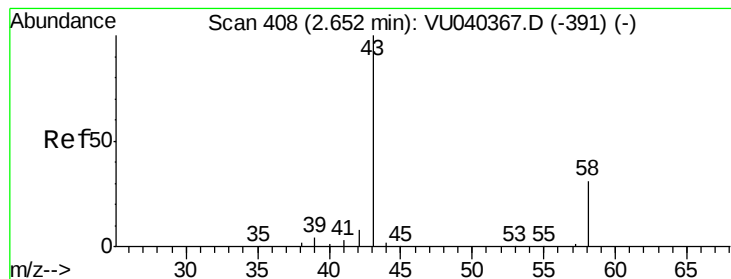


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.805 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

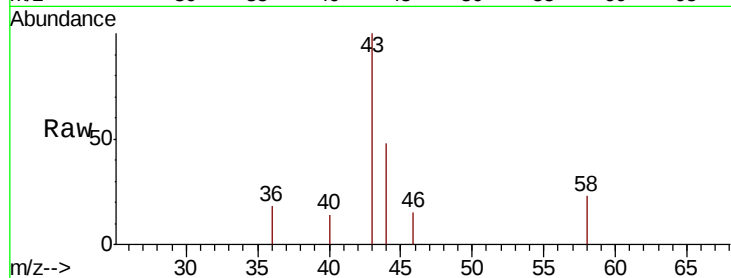
BG0F5

Tot Ion: 43 Resp: 2051

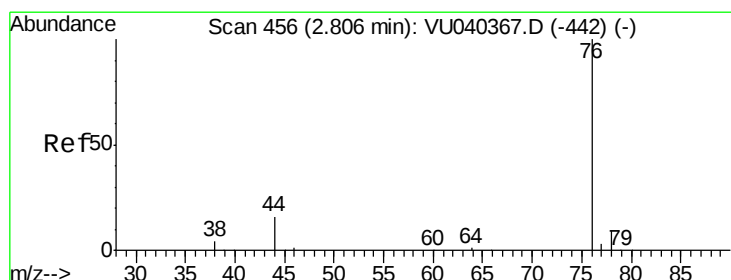
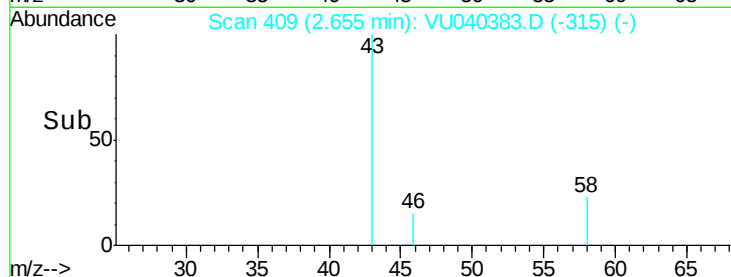
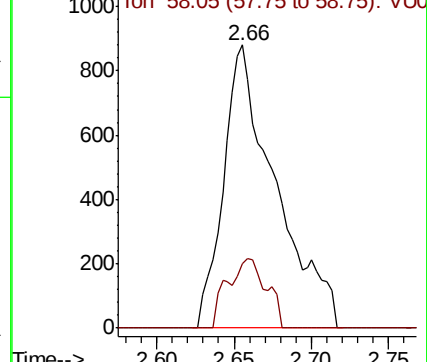
Ion Ratio Lower Upper

43 100

58 18.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040367.D (-391) (-)



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040383.D

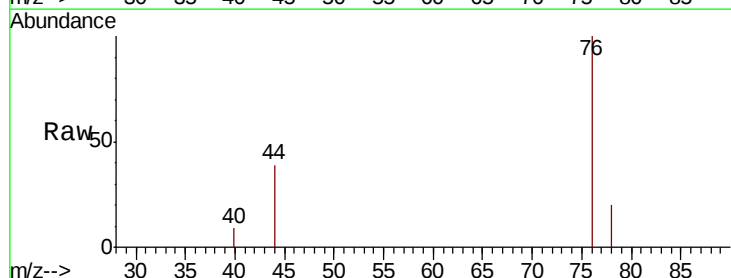
Acq: 30 Sep 2020 01:07

Tgt Ion: 76 Resp: 1887

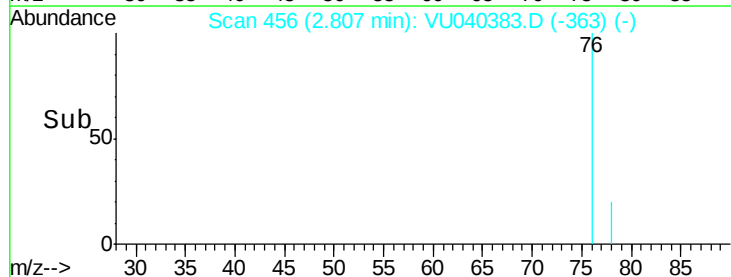
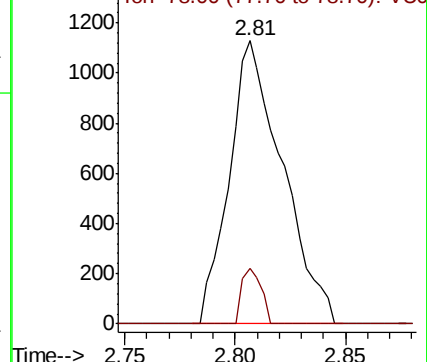
Ion Ratio Lower Upper

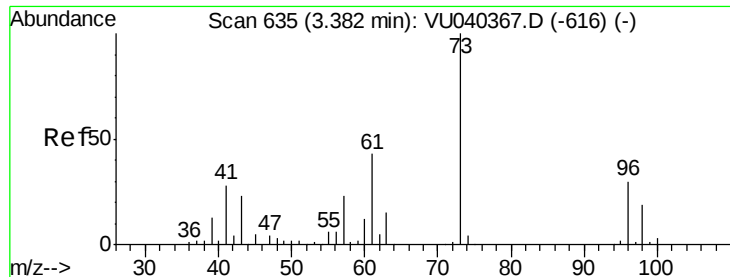
76 100

78 19.6 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040367.D (-442) (-)

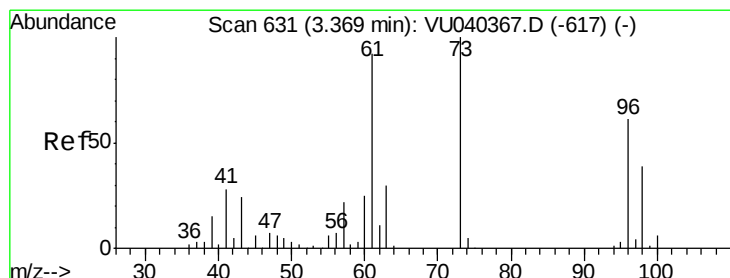
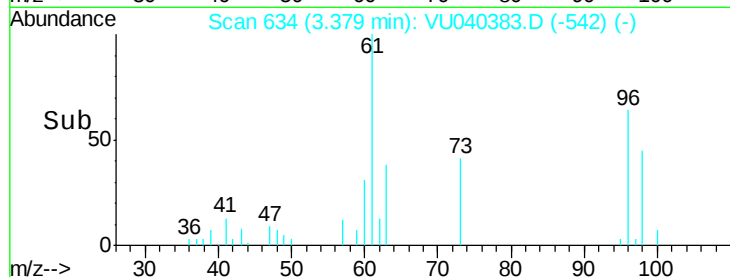
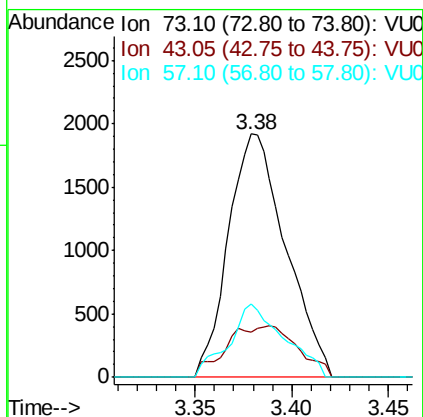
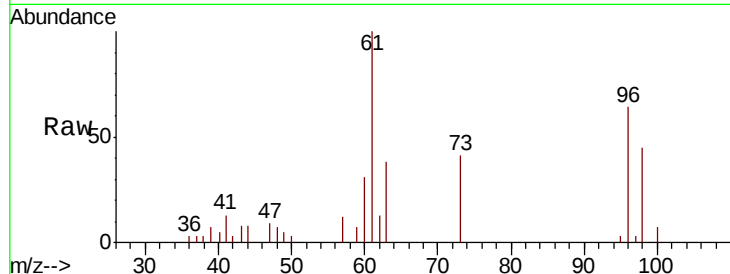




#17
Methvl tert-butvl Ether
Concen: 0.152 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

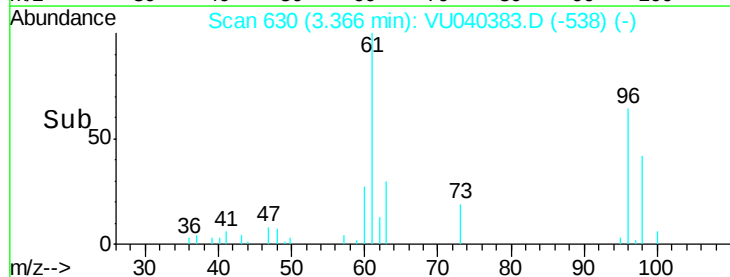
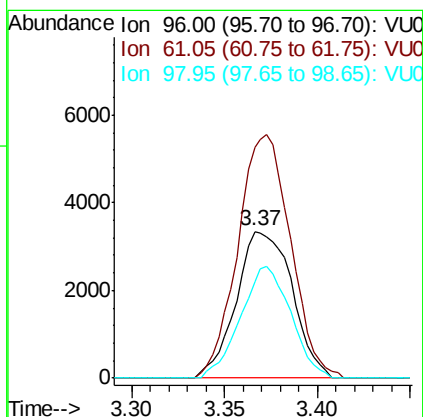
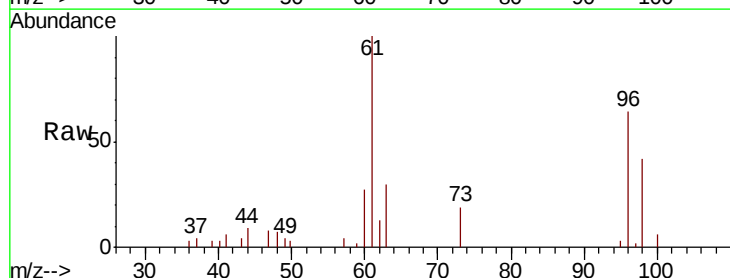
Instrument :
MSVOA_U
ClientSampleId :
BG0F5

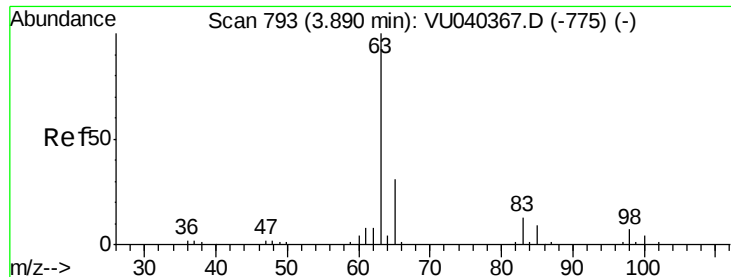
Tot Ion: 73 Resp: 3961
Ion Ratio Lower Upper
73 100
43 26.4 19.0 28.4
57 28.8 18.9 28.3#



#18
trans-1,2-Dichloroethene
Concen: 0.715 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

Tgt Ion: 96 Resp: 7002
Ion Ratio Lower Upper
96 100
61 157.3 109.3 203.1
98 65.5 45.8 85.0

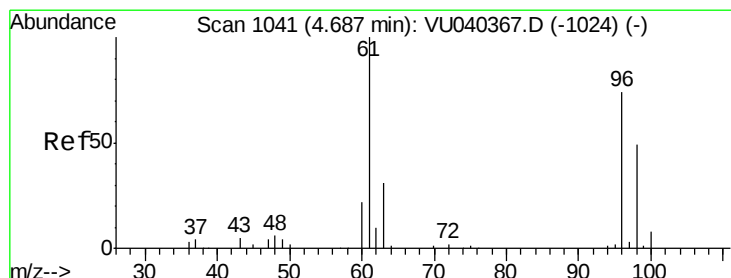
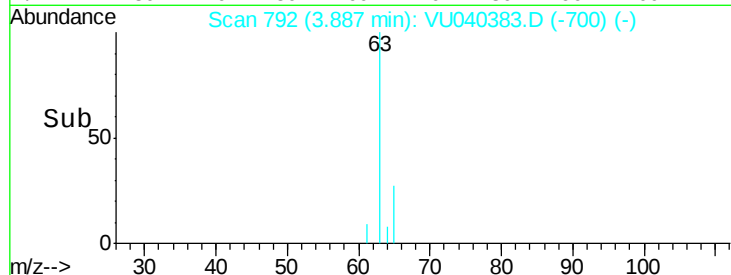
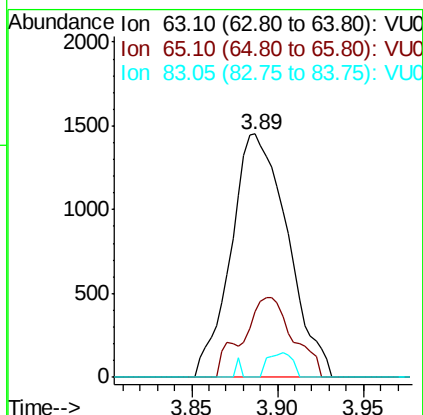
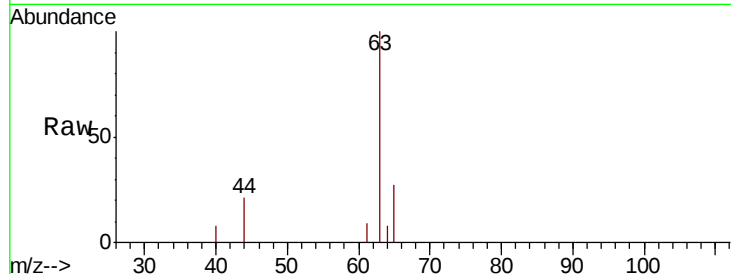




#19
 1,1-Dichloroethane
 Concen: 0.165 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

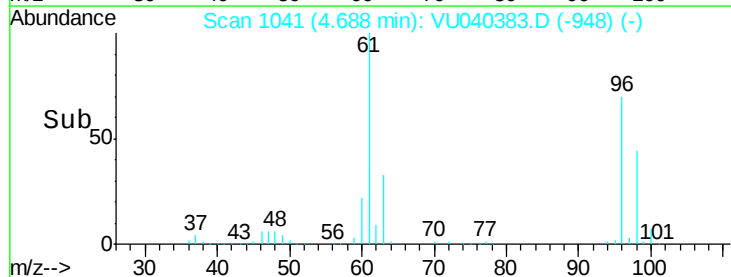
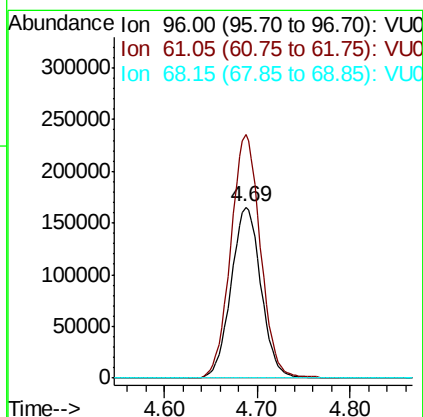
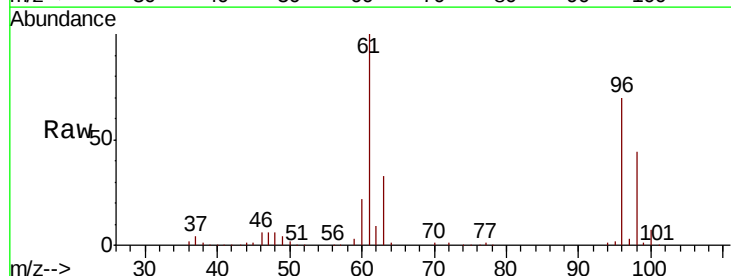
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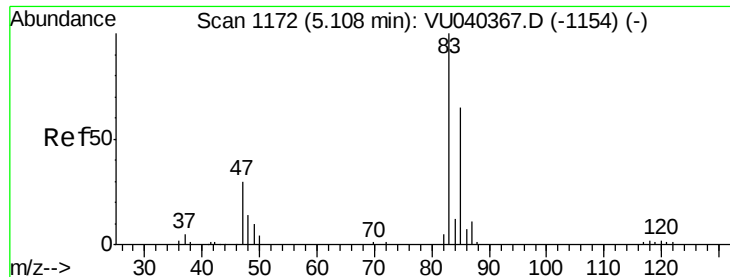
Tot Ion: 63 Resp: 3313
 Ion Ratio Lower Upper
 63 100
 65 27.1 21.7 40.3
 83 0.0 9.1 16.9#



#22
 cis-1,2-Dichloroethene
 Concen: 34.183 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040383.D
 Acq: 30 Sep 2020 01:07

Tgt Ion: 96 Resp: 370149
 Ion Ratio Lower Upper
 96 100
 61 142.5 99.3 184.5
 68 0.0 0.0 0.0

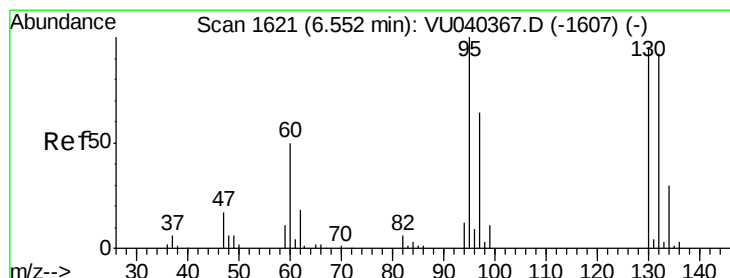
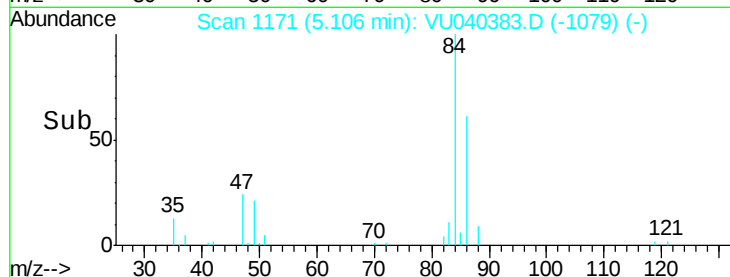
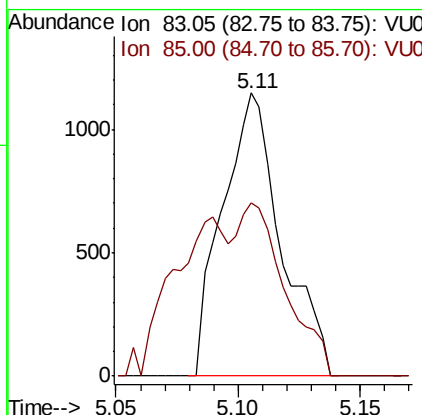
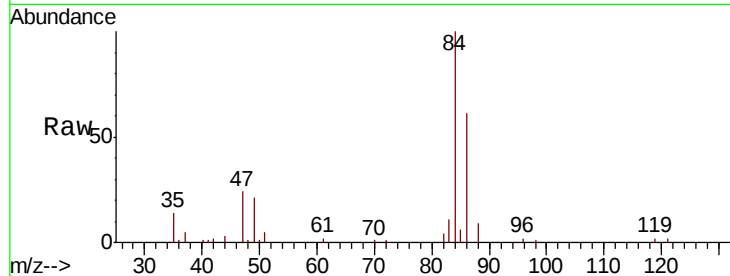




#25
Chloroform
Concen: 0.094 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

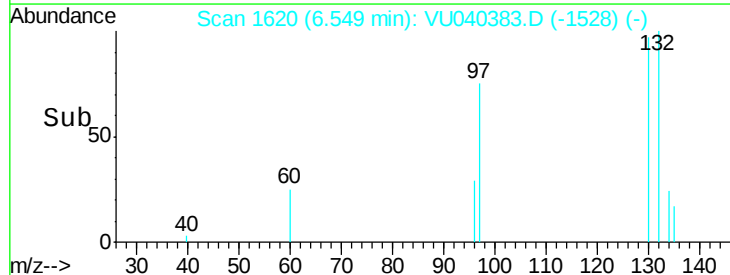
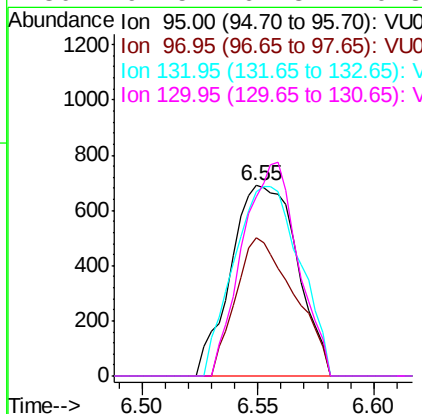
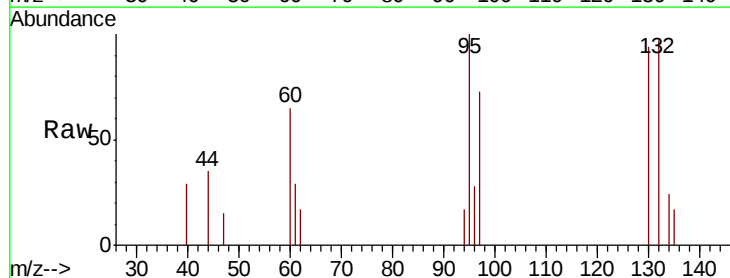
Instrument :
MSVOA_U
ClientSampled :
BG0F5

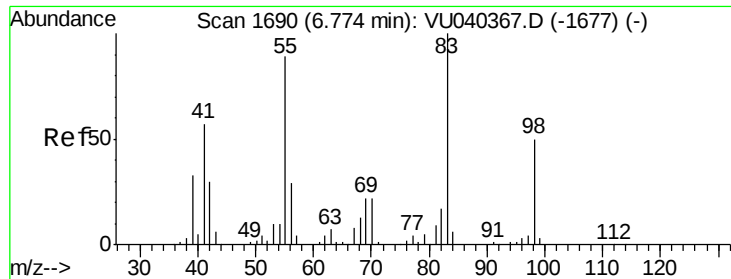
Tot Ion: 83 Resp: 1917
Ion Ratio Lower Upper
83 100
85 61.2 44.6 82.8



#34
Trichloroethene
Concen: 0.122 ug/L
RT: 6.55 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

Tgt Ion: 95 Resp: 1369
Ion Ratio Lower Upper
95 100
97 72.9 46.3 85.9
132 97.1 60.5 112.3
130 94.5 64.3 119.3

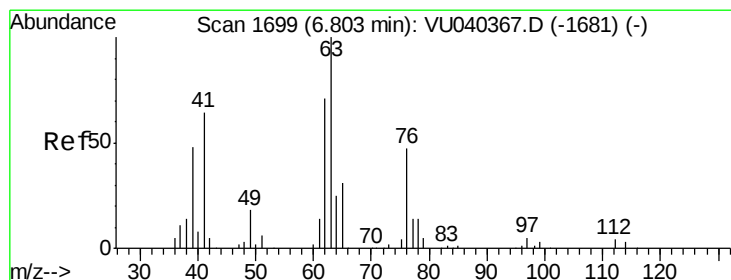
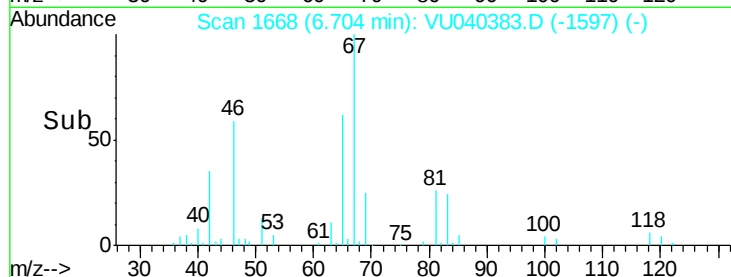
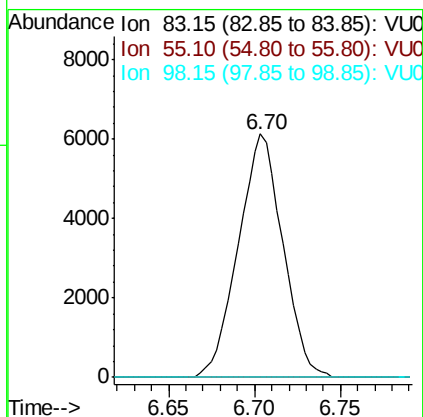
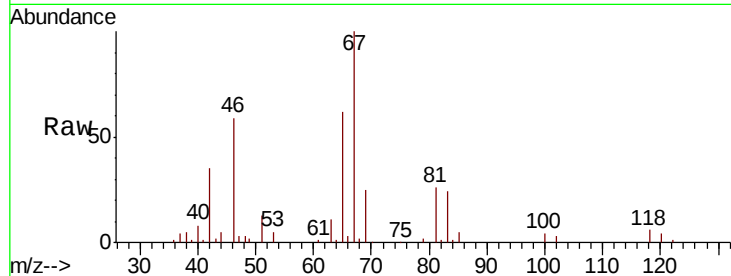




#35
Methvlcvclohexane
Concen: 0.669 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

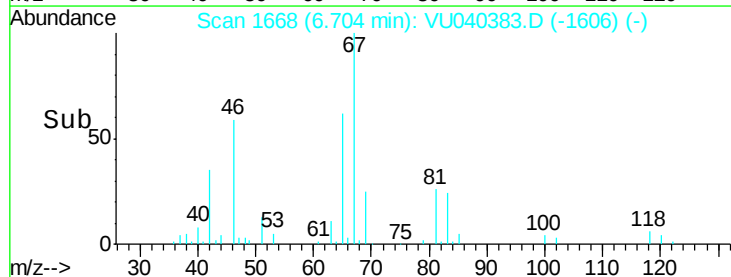
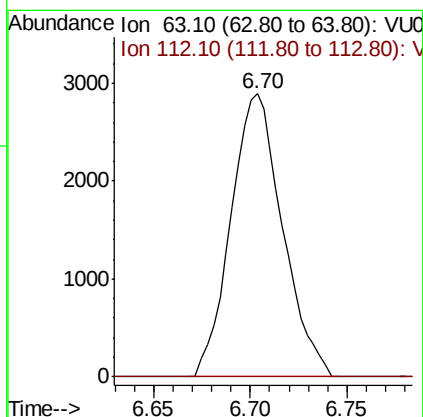
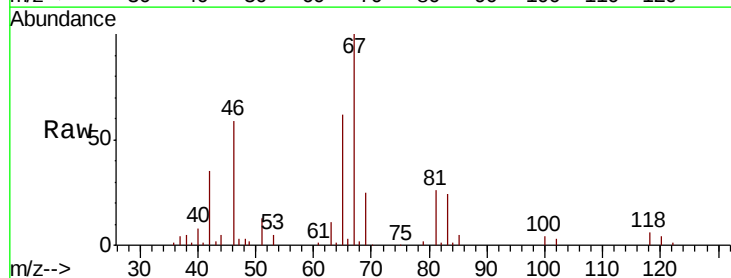
Instrument :
MSVOA_U
ClientSampleId :
BG0F5

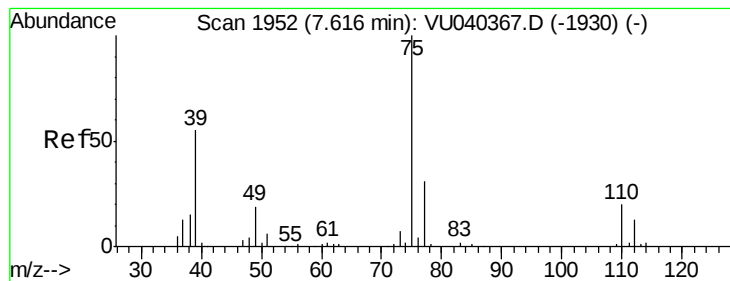
Tot Ion: 83 Resp: 11009
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.2 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 0.455 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040383.D
Acq: 30 Sep 2020 01:07

Tgt Ion: 63 Resp: 5354
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

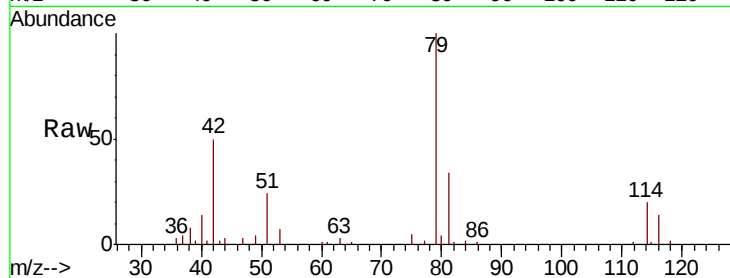
BG0F5

Tot Ion: 75 Resp: 1144

Ion Ratio Lower Upper

75 100

77 41.1 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

800

600

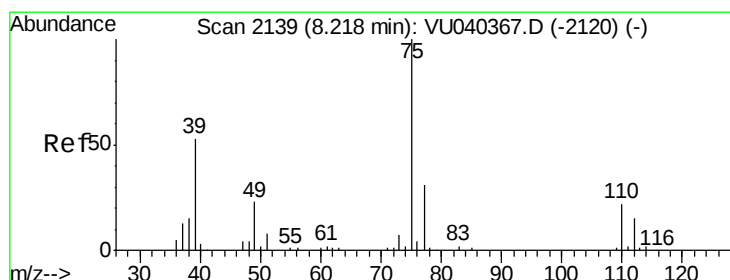
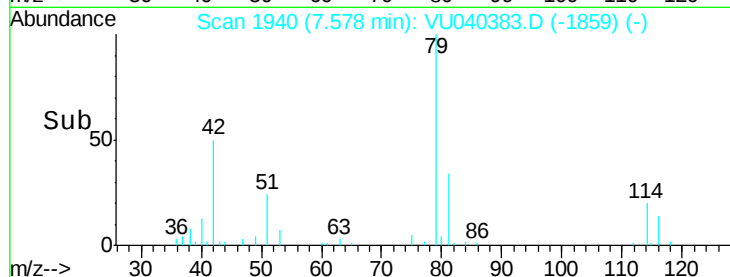
400

200

0

7.55 7.58 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040383.D

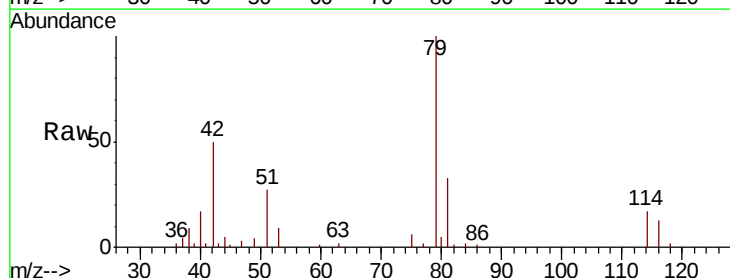
Acq: 30 Sep 2020 01:07

Tgt Ion: 75 Resp: 822

Ion Ratio Lower Upper

75 100

77 38.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

500

400

300

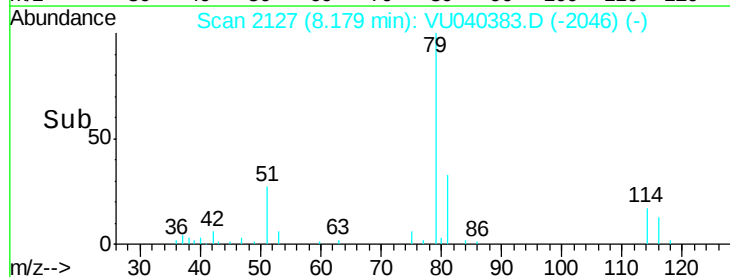
200

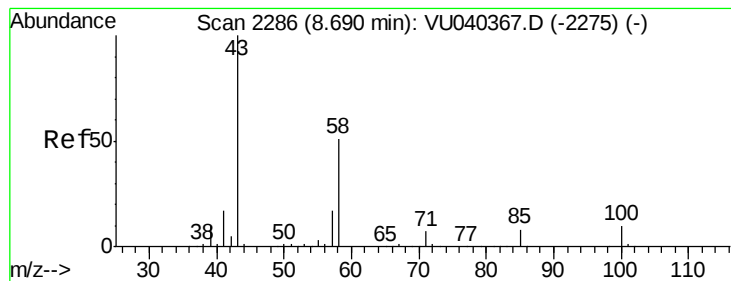
100

0

8.15 8.18 8.20

Time-->





#48

2-Hexanone

Concen: 2.312 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

BG0F5

Tot Ion: 43 Resp: 15693

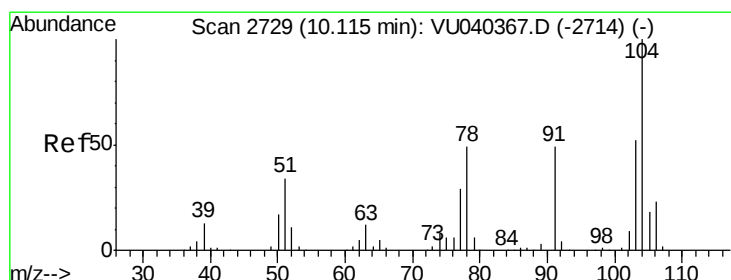
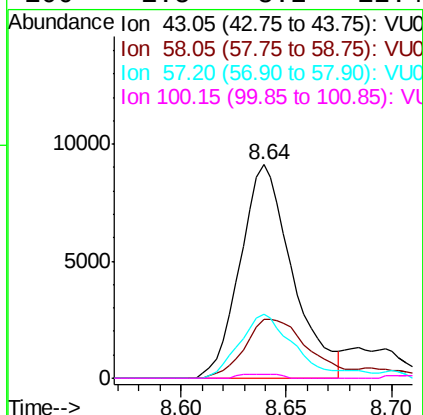
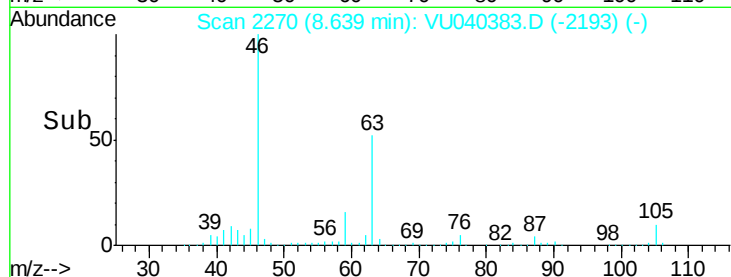
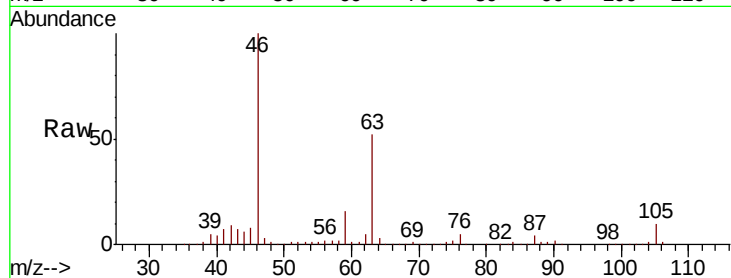
Ion Ratio Lower Upper

43 100

58 33.5 41.0 61.4#

57 31.0 14.6 22.0#

100 1.5 8.2 12.4#



#55

Styrene

Concen: 0.046 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU040383.D

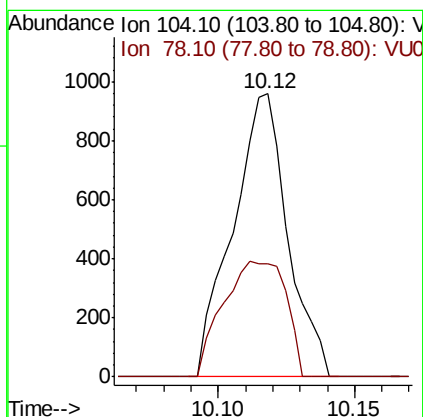
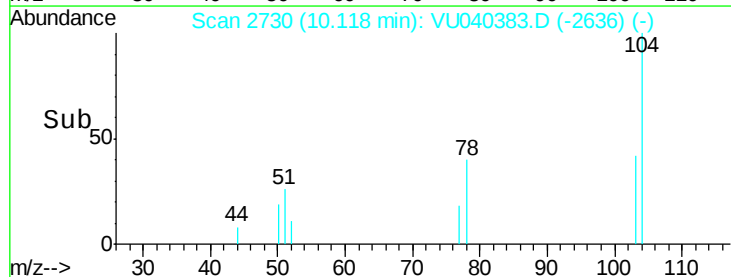
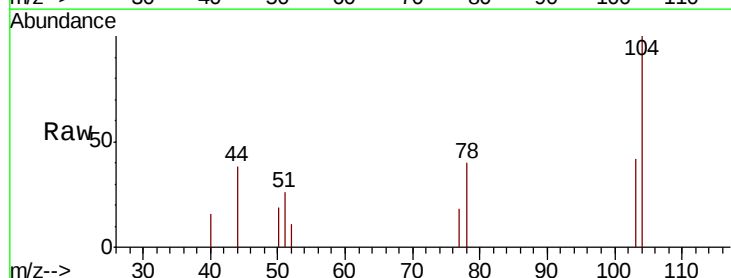
Acq: 30 Sep 2020 01:07

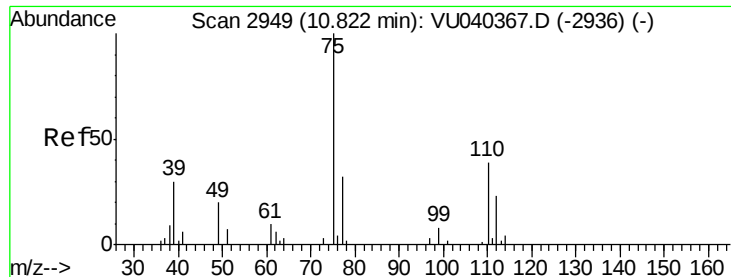
Tgt Ion: 104 Resp: 1336

Ion Ratio Lower Upper

104 100

78 40.0 34.4 63.8





#59

1,2,3-Trichloropropane

Concen: 0.927 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040383.D

Acq: 30 Sep 2020 01:07

Instrument :

MSVOA_U

ClientSampleId :

BG0F5

Tot Ion: 75 Resp: 7901

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5

