

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040378.D
 Acq On : 29 Sep 2020 23:11
 Operator : SY/MD
 Sample : L4186-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F0

Quant Time: Sep 30 02:57:24 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	124343	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56048	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27575	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.92	69	27871	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	47221	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.65	46	156862	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	5.08	84	72264	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	44448	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.75	84	125113	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	46236	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	95381	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	16599	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	108810	49.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44012	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45395	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	9299	0.774 ug/L	98
8) Chloroethane	1.96	64	3497	0.491 ug/L #	44
12) 1,1-Dichloroethene	2.59	96	640	0.068 ug/L #	1
14) Carbon disulfide	2.81	76	2214	0.074 ug/L #	90
18) trans-1,2-Dichloroethene	3.37	96	2368	0.242 ug/L	82
22) cis-1,2-Dichloroethene	4.69	96	120665	11.139 ug/L	99
25) Chloroform	5.11	83	1120	0.055 ug/L	92
27) 1,2-Dichloroethane	5.74	62	994	0.070 ug/L #	74
34) Trichloroethene	6.56	95	866	0.077 ug/L #	71
35) Methylcyclohexane	6.70	83	10341	0.630 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5499	0.468 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1209	0.077 ug/L #	59
44) trans-1,3-Dichloropropene	8.19	75	739	0.051 ug/L #	70
48) 2-Hexanone	8.64	43	14630	2.160 ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	8175	0.961 ug/L	92

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

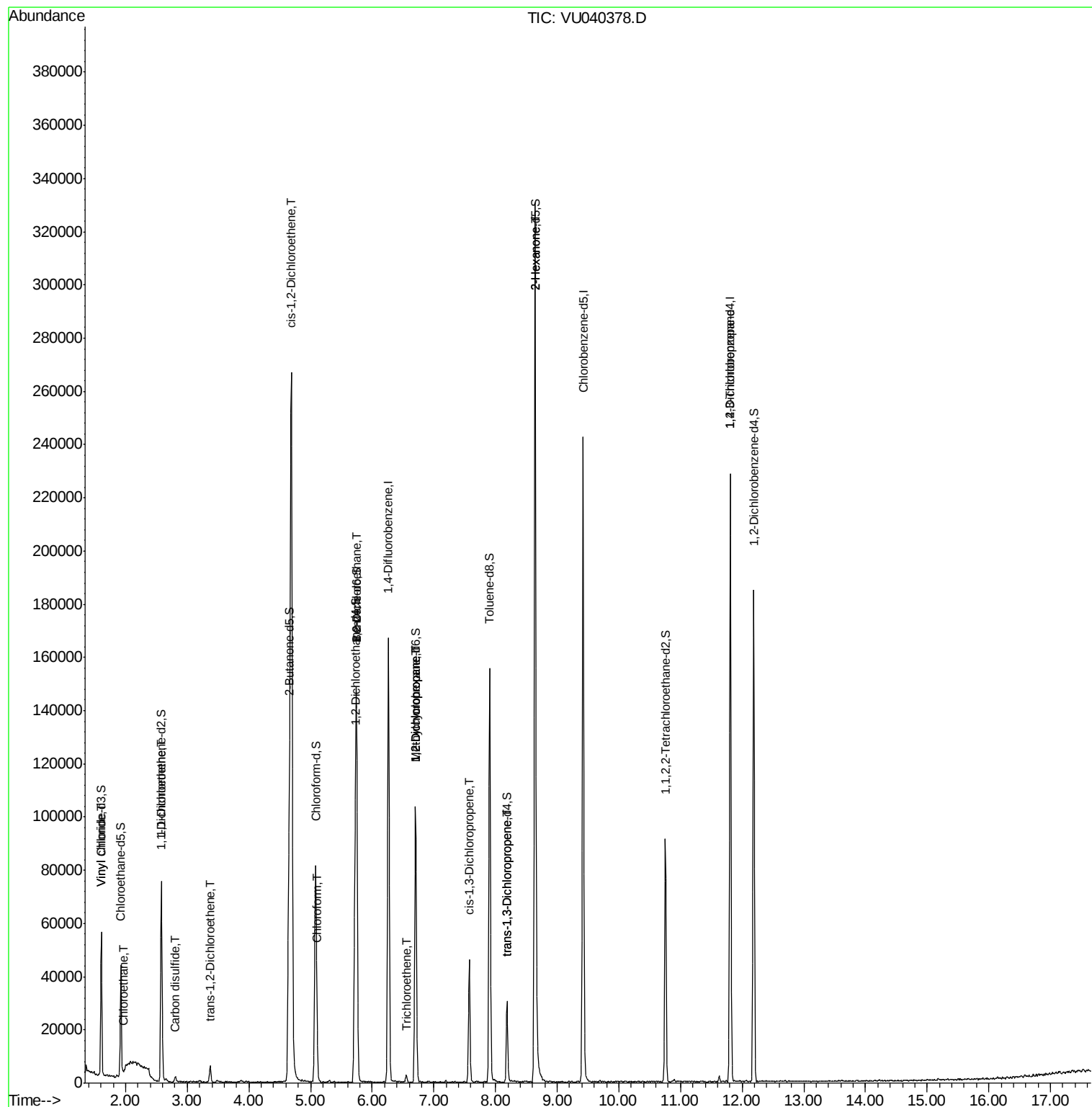
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

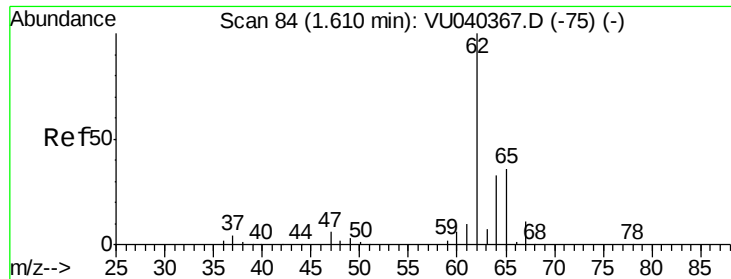
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 0.774 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Instrument :

MSVOA_U

ClientSampleId :

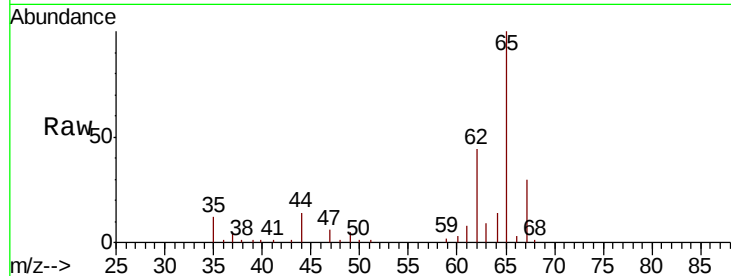
BG0F0

Tot Ion: 62 Resp: 9299

Ion Ratio Lower Upper

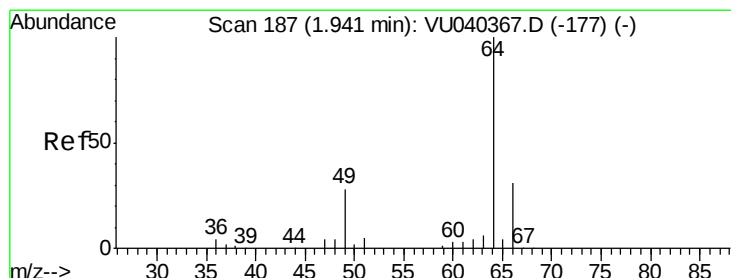
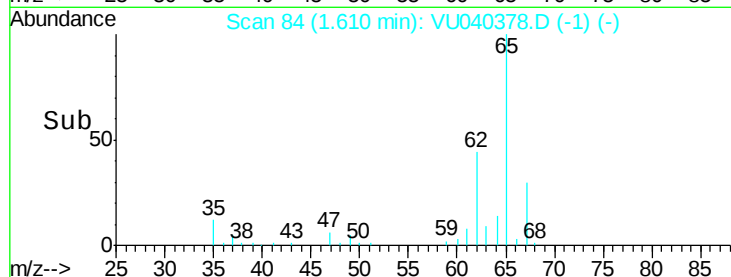
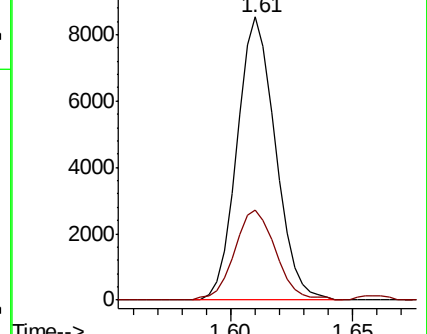
62 100

64 31.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.491 ug/L

RT: 1.96 min Scan# 194

Delta R.T. 0.02 min

Lab File: VU040378.D

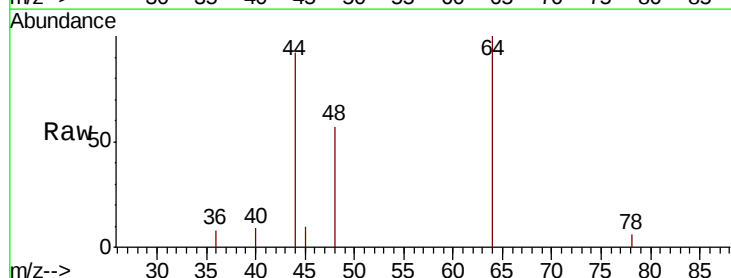
Acq: 29 Sep 2020 23:11

Tgt Ion: 64 Resp: 3497

Ion Ratio Lower Upper

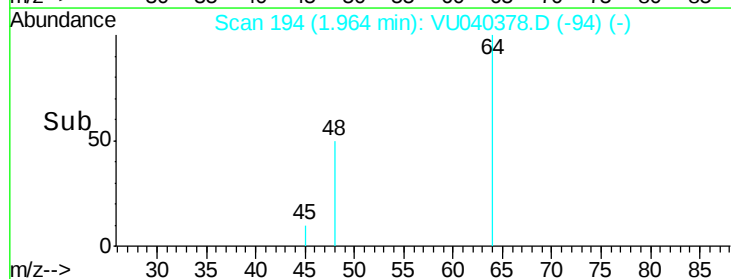
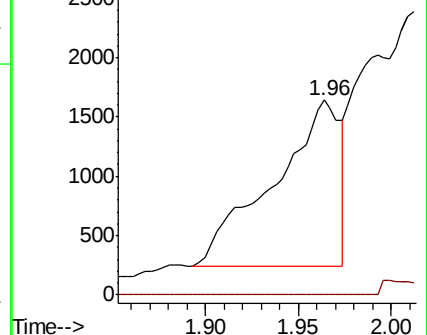
64 100

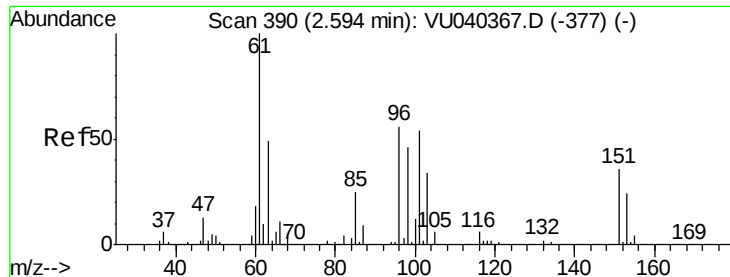
66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Instrument :

MSVOA_U

ClientSampleId :

BG0F0

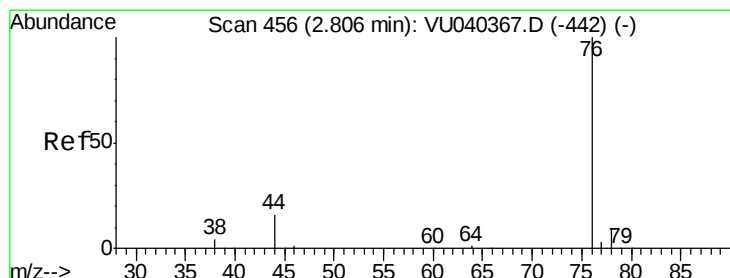
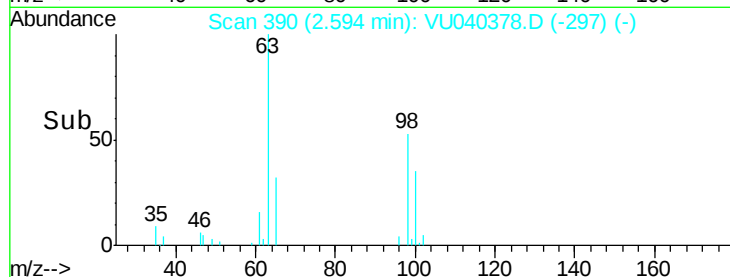
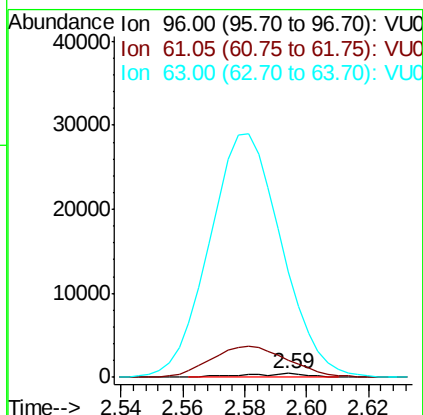
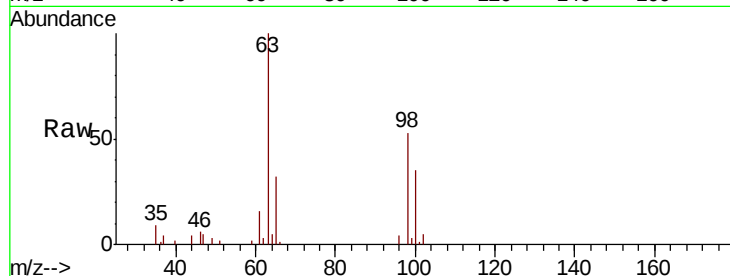
Tot Ion: 96 Resp: 640

Ion Ratio Lower Upper

96 100

61 452.0 128.6 238.8#

63 2765.8 67.8 126.0#



#14

Carbon disulfide

Concen: 0.074 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040378.D

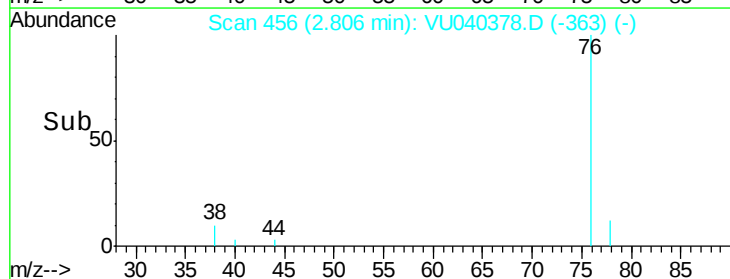
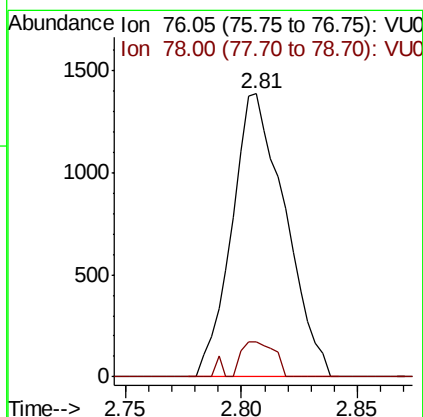
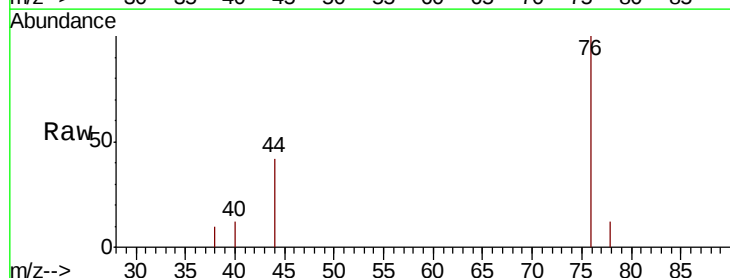
Acq: 29 Sep 2020 23:11

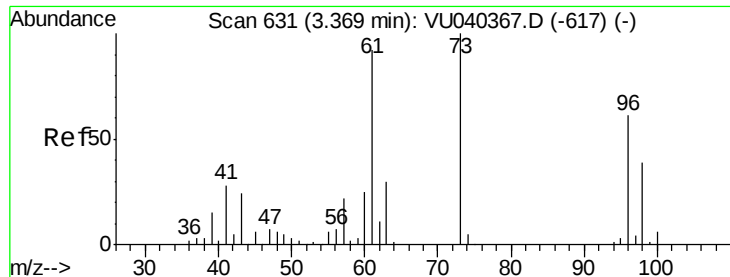
Tgt Ion: 76 Resp: 2214

Ion Ratio Lower Upper

76 100

78 12.5 7.2 10.8#

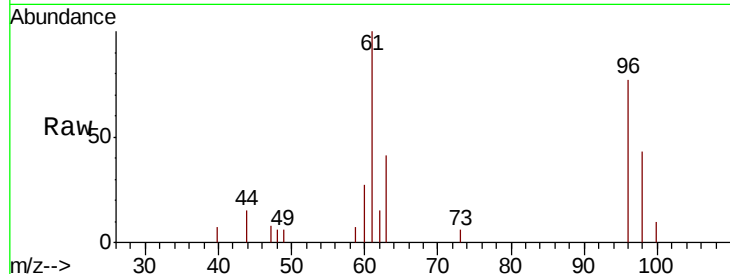




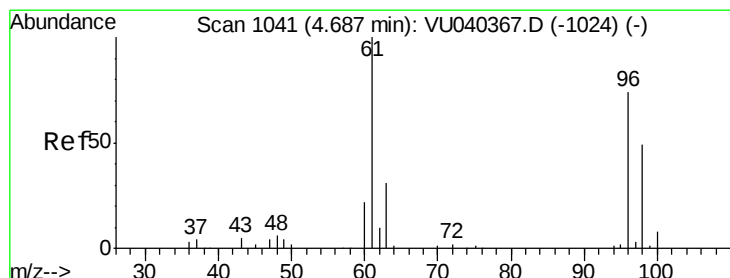
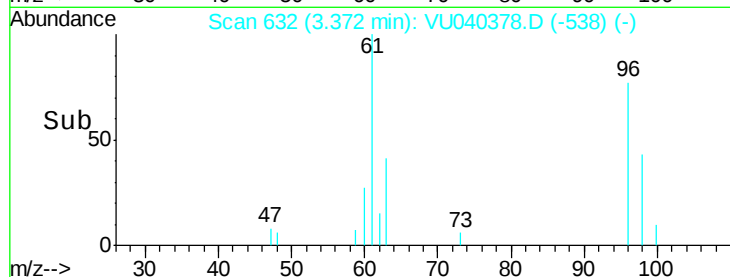
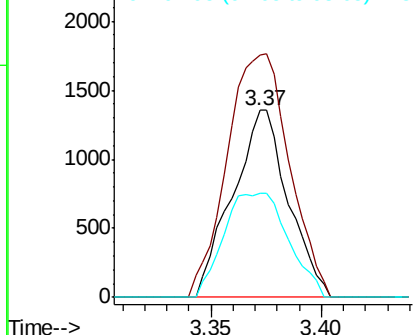
#18
trans-1,2-Dichloroethene
Concen: 0.242 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040378.D
Acq: 29 Sep 2020 23:11

Instrument :
MSVOA_U
ClientSampleId :
BG0F0

Tot Ion: 96 Resp: 2368
Ion Ratio Lower Upper
96 100
61 129.6 109.3 203.1
98 55.8 45.8 85.0

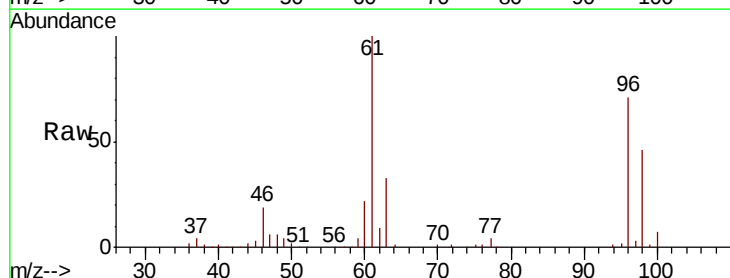


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

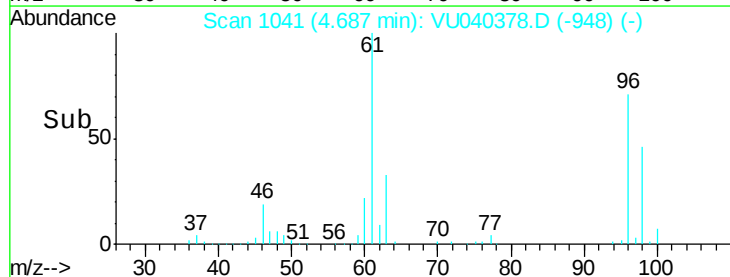
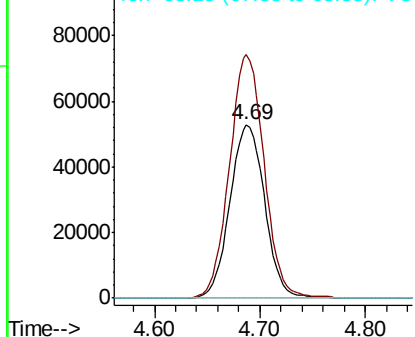


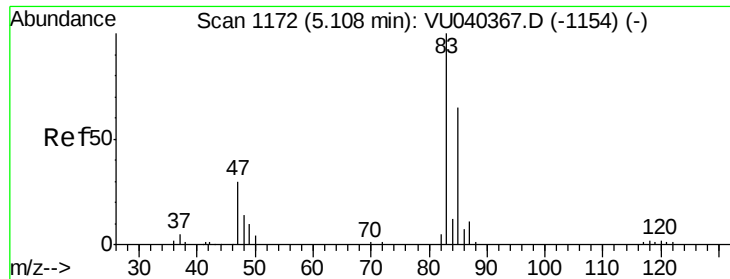
#22
cis-1,2-Dichloroethene
Concen: 11.139 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VU040378.D
Acq: 29 Sep 2020 23:11

Tgt Ion: 96 Resp: 120665
Ion Ratio Lower Upper
96 100
61 140.3 99.3 184.5
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

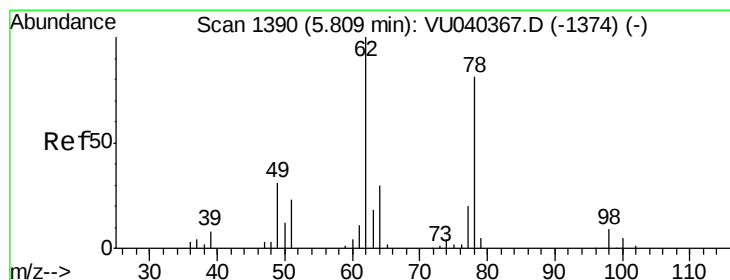
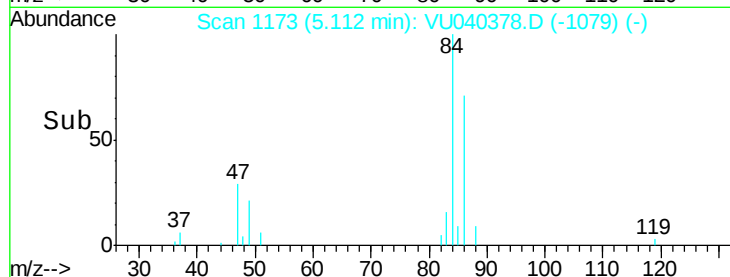
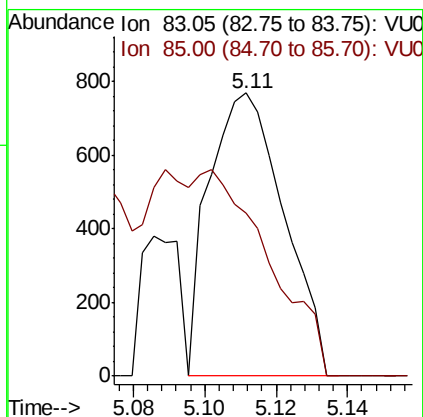
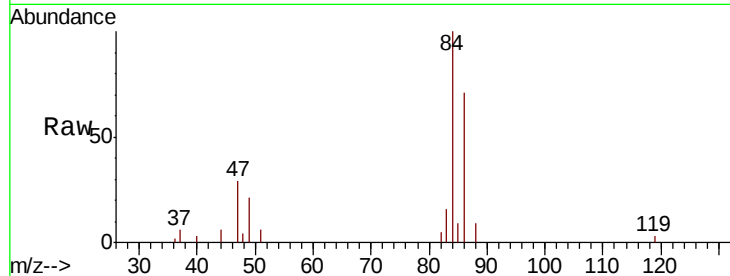




#25
Chloroform
Concen: 0.055 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU040378.D
Acq: 29 Sep 2020 23:11

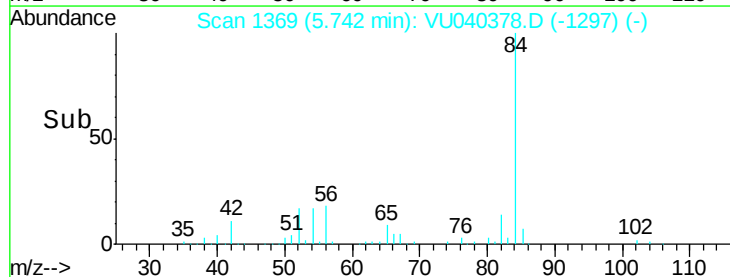
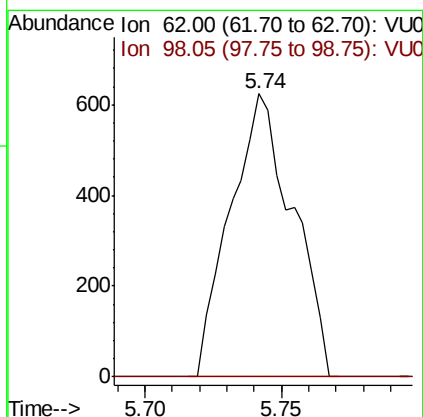
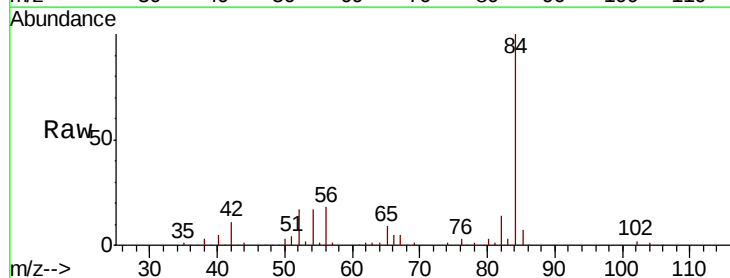
Instrument :
MSVOA_U
ClientSampled :
BG0F0

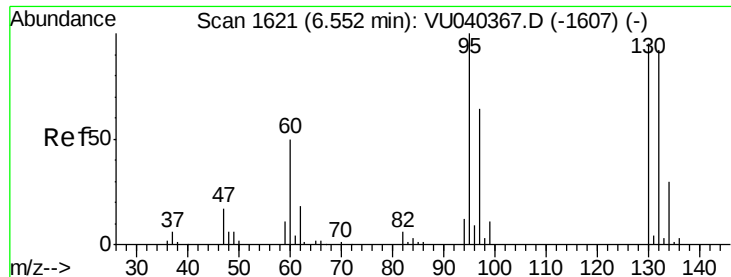
Tot Ion: 83 Resp: 1120
Ion Ratio Lower Upper
83 100
85 57.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.070 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU040378.D
Acq: 29 Sep 2020 23:11

Tgt Ion: 62 Resp: 994
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#34

Trichloroethene

Concen: 0.077 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Instrument :

MSVOA_U

ClientSampled :

BG0F0

Tot Ion: 95 Resp: 866

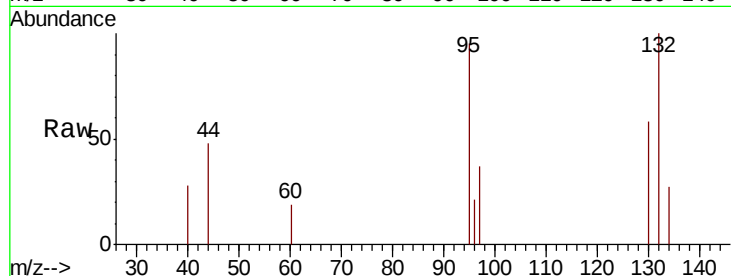
Ion Ratio Lower Upper

95 100

97 38.6 46.3 85.9#

132 105.5 60.5 112.3

130 61.2 64.3 119.3#

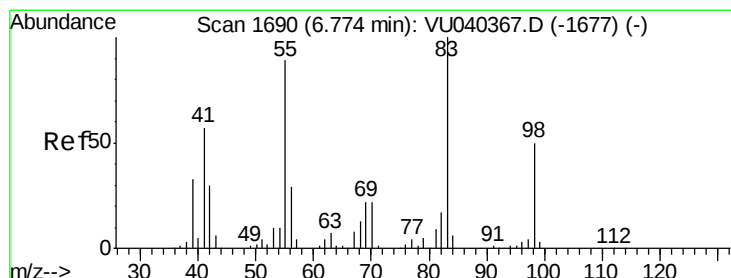
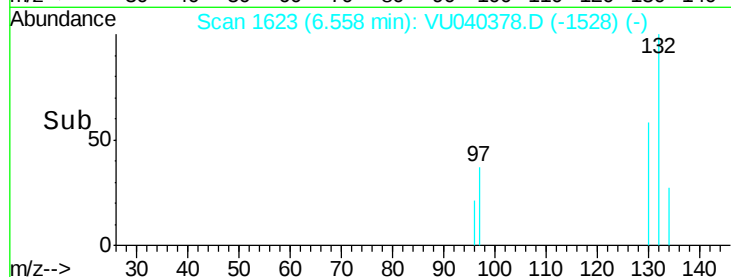
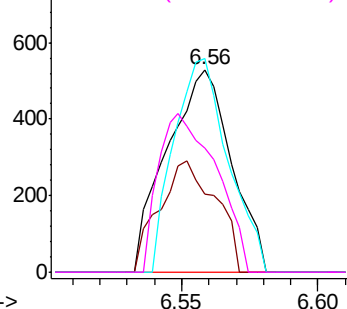


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.630 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

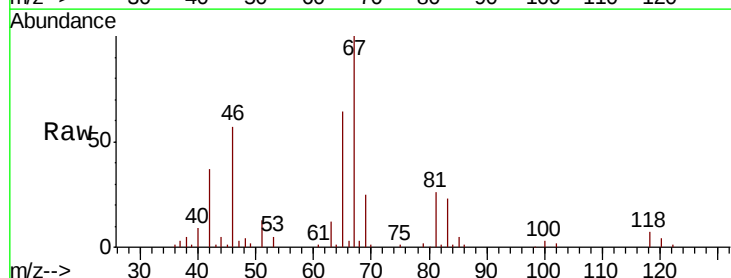
Tgt Ion: 83 Resp: 10341

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

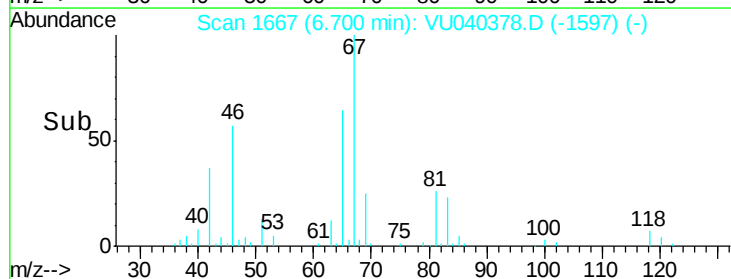
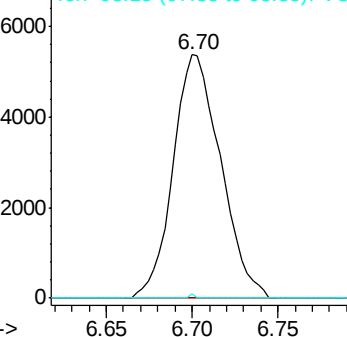
98 0.2 38.5 57.7#

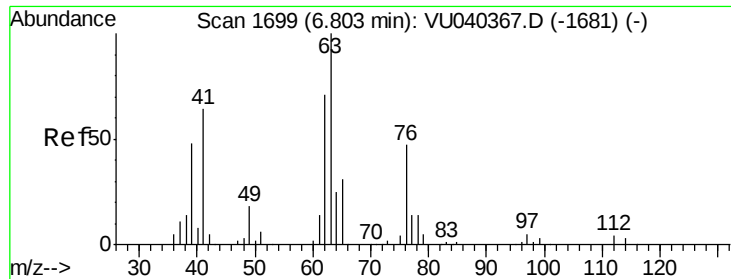


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

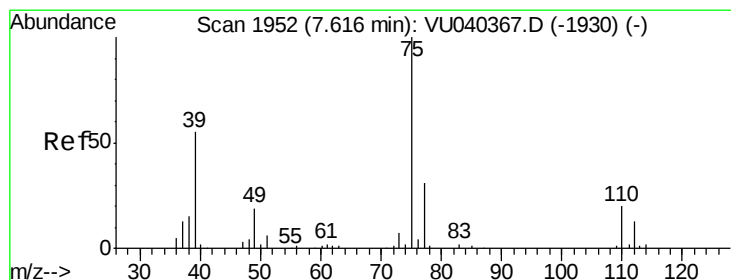
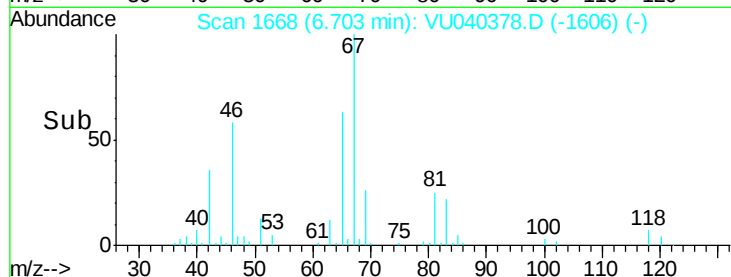
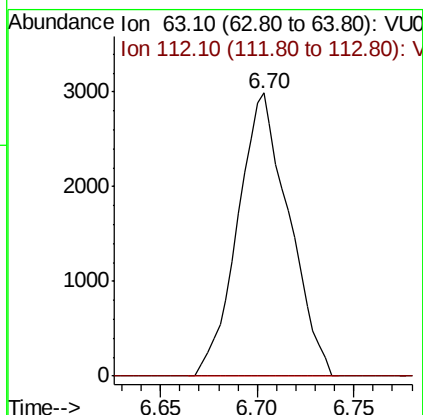
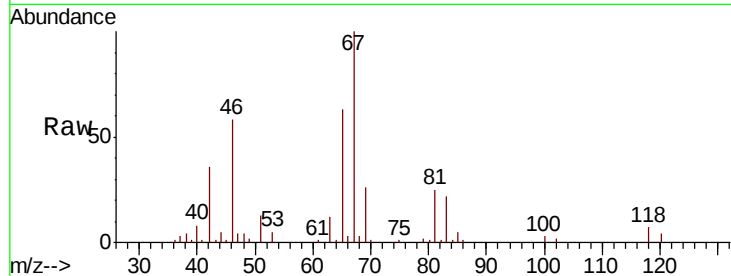




#37
 1,2-Dichloropropane
 Concen: 0.468 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040378.D
 Acq: 29 Sep 2020 23:11

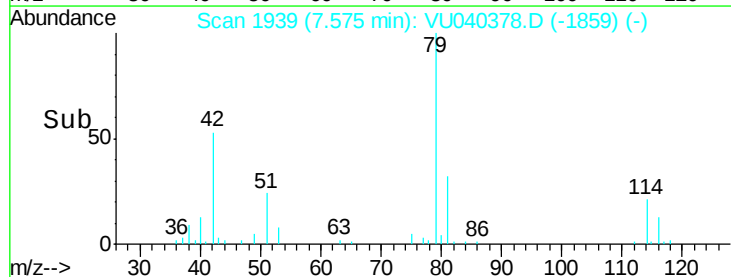
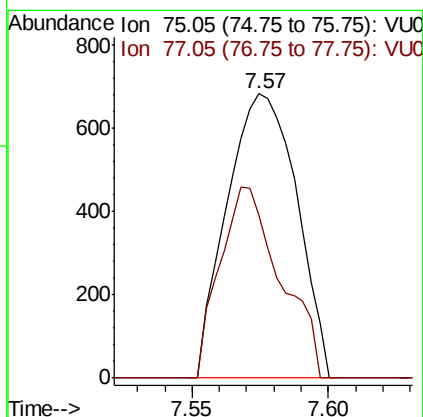
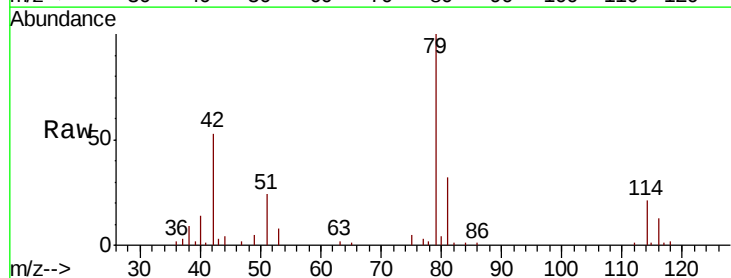
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F0

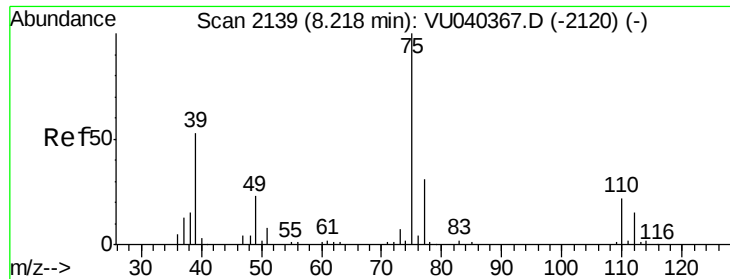
Tot Ion: 63 Resp: 5499
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040378.D
 Acq: 29 Sep 2020 23:11

Tgt Ion: 75 Resp: 1209
 Ion Ratio Lower Upper
 75 100
 77 57.0 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.051 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Instrument :

MSVOA_U

ClientSampleId :

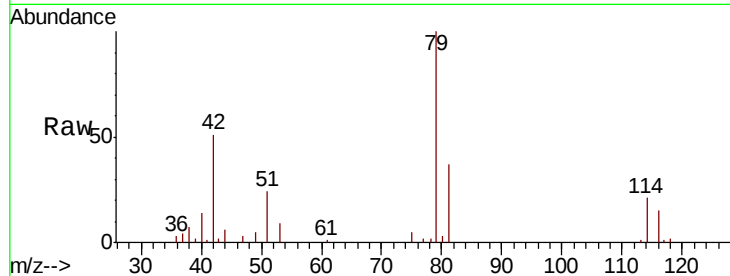
BG0F0

Tot Ion: 75 Resp: 739

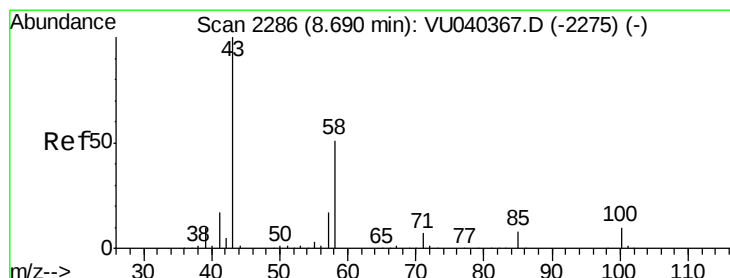
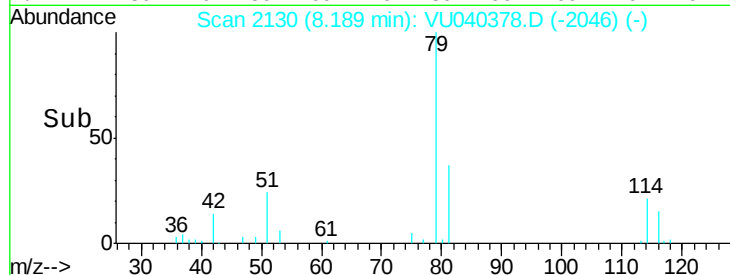
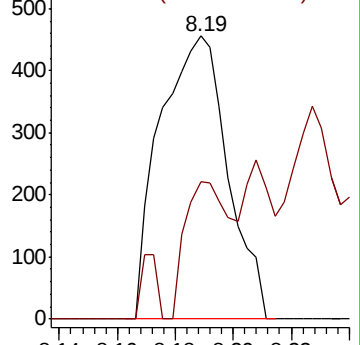
Ion Ratio Lower Upper

75 100

77 48.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040367.D (-2120) (-)



#48

2-Hexanone

Concen: 2.160 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Tgt Ion: 43 Resp: 14630

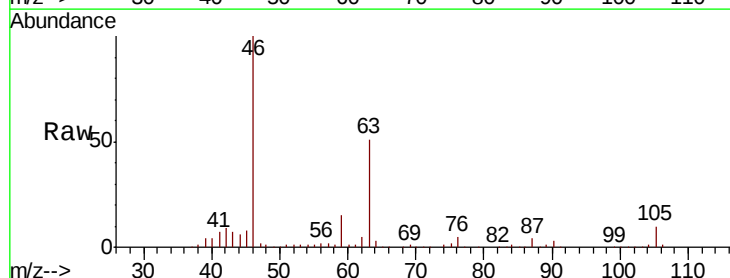
Ion Ratio Lower Upper

43 100

58 29.1 41.0 61.4#

57 29.4 14.6 22.0#

100 0.6 8.2 12.4#



Abundance Ion 43.05 (42.75 to 43.75): VU040367.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040367.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040367.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040367.D (-2275) (-)

Abundance Ion 43.05 (42.75 to 43.75): VU040378.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040378.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040378.D (-2193) (-)

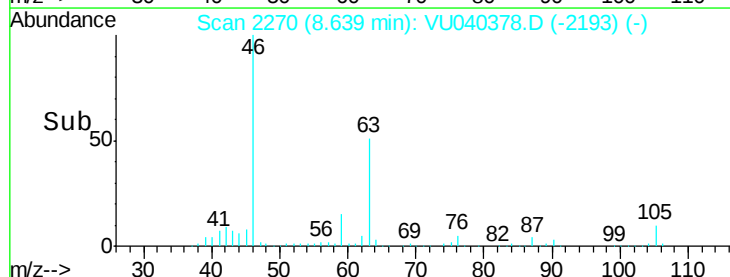
Ion 100.15 (99.85 to 100.85): VU040378.D (-2193) (-)

Abundance Ion 43.05 (42.75 to 43.75): VU040378.D (-2193) (-)

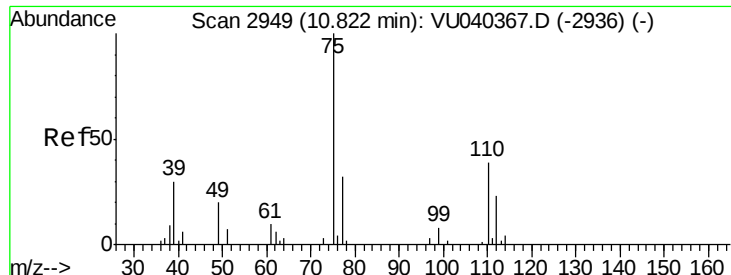
Ion 58.05 (57.75 to 58.75): VU040378.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040378.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040378.D (-2193) (-)



Time-->



#59

1,2,3-Trichloropropane

Concen: 0.961 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040378.D

Acq: 29 Sep 2020 23:11

Instrument :

MSVOA_U

ClientSampleId :

BG0F0

Tot Ion: 75 Resp: 8175

Ion Ratio Lower Upper

75 100

77 36.8 25.7 38.5

