

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040379.D
 Acq On : 29 Sep 2020 23:34
 Operator : SY/MD
 Sample : L4186-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F1

Quant Time: Sep 30 02:57:33 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	124687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57202	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31444	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.92	69	27588	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	46723	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.65	46	161318	52.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.22%
24) Chloroform-d	5.08	84	72456	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	43983	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	127596	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.70	67	44882	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	98441	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.19	79	17268	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	112129	50.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45429	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46361	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	413358	34.297 ug/L	98
8) Chloroethane	1.94	64	774	0.108 ug/L #	53
12) 1,1-Dichloroethene	2.58	96	624	0.066 ug/L #	1
14) Carbon disulfide	2.81	76	2145	0.071 ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	5447	0.555 ug/L	82
19) 1,1-Dichloroethane	3.89	63	2099	0.104 ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	60563	5.576 ug/L	98
25) Chloroform	5.10	83	1208	0.059 ug/L	85
27) 1,2-Dichloroethane	5.74	62	814	0.057 ug/L #	74
35) Methylcyclohexane	6.70	83	11101	0.679 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5354	0.458 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1219	0.078 ug/L #	56
44) trans-1,3-Dichloropropene	8.19	75	774	0.054 ug/L #	50
48) 2-Hexanone	8.64	43	15595	2.312 ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	8777	1.036 ug/L	95

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

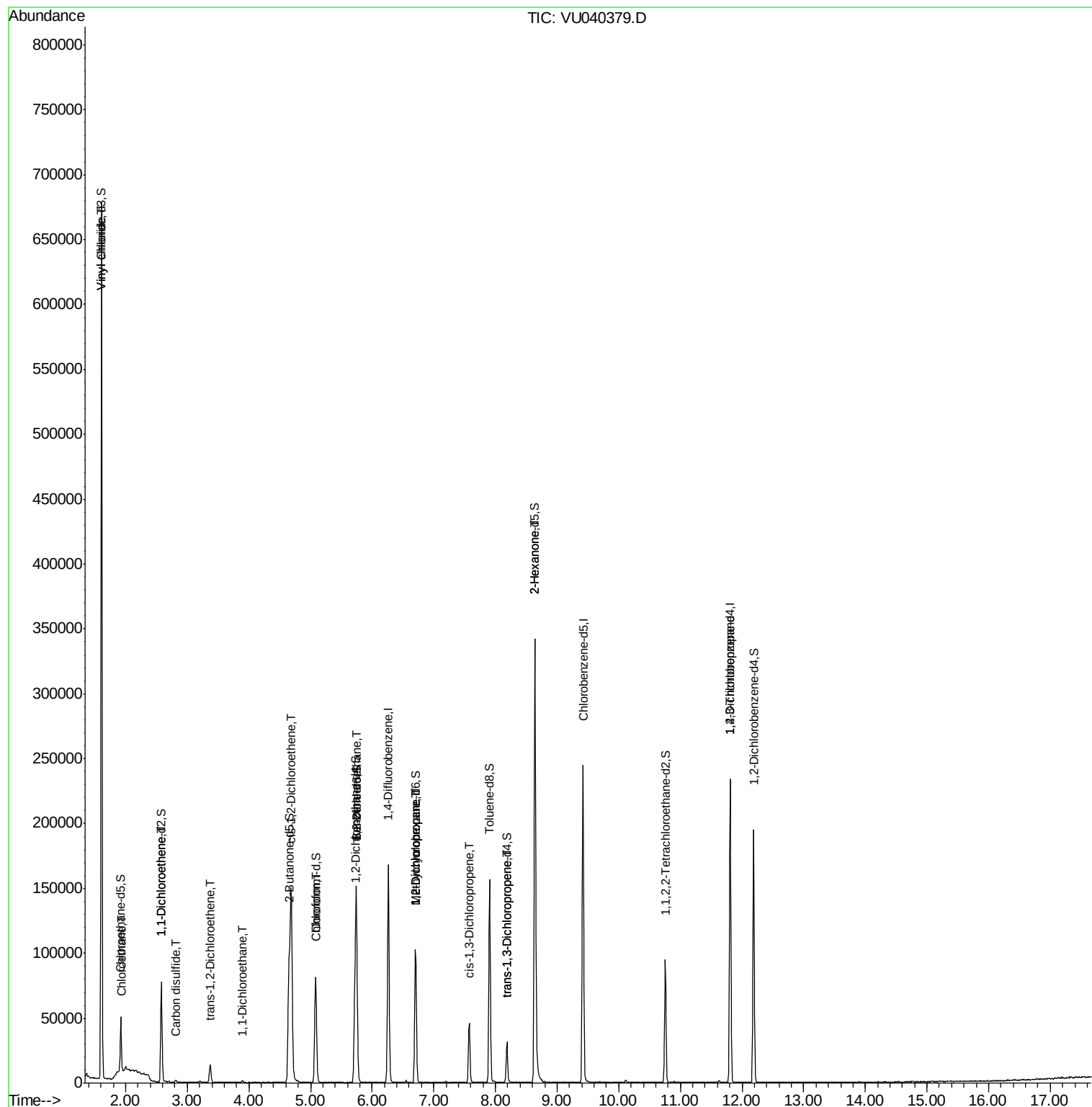
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

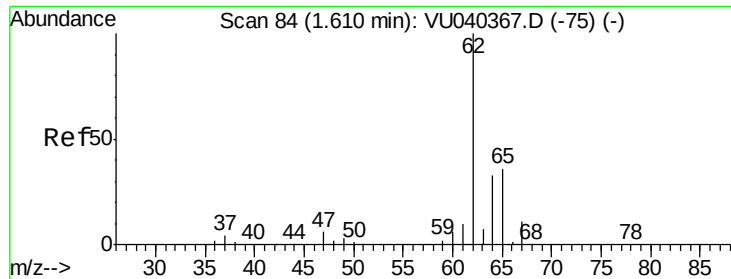
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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





#5

Vinyl chloride

Concen: 34.297 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

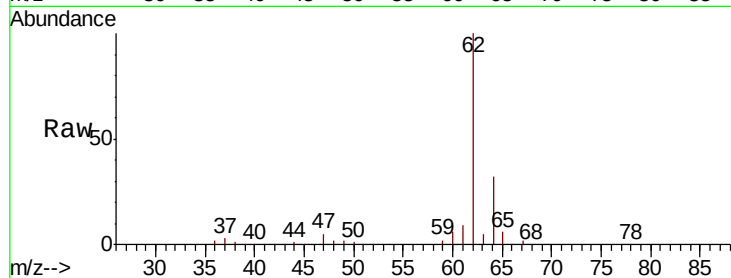
BG0F1

Tot Ion: 62 Resp: 413358

Ion Ratio Lower Upper

62 100

64 31.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

400000

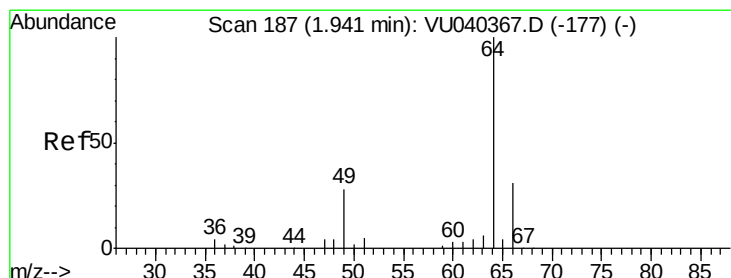
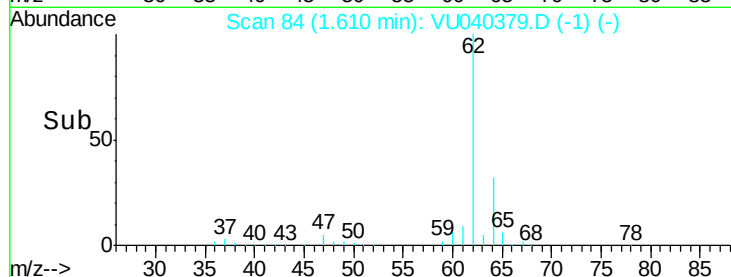
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 0.108 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040379.D

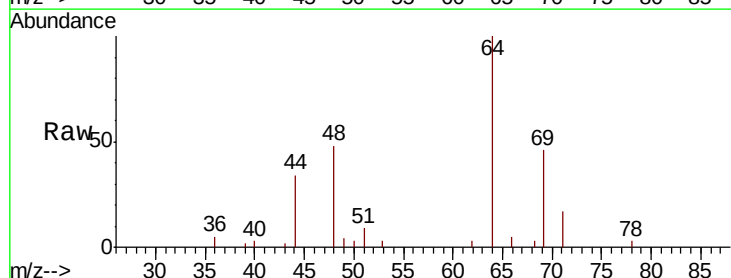
Acq: 29 Sep 2020 23:34

Tgt Ion: 64 Resp: 774

Ion Ratio Lower Upper

64 100

66 4.7 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

6000

5000

4000

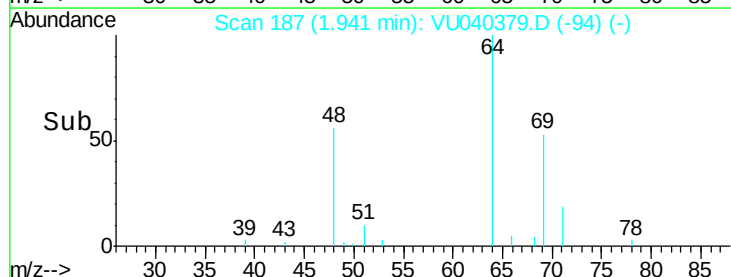
3000

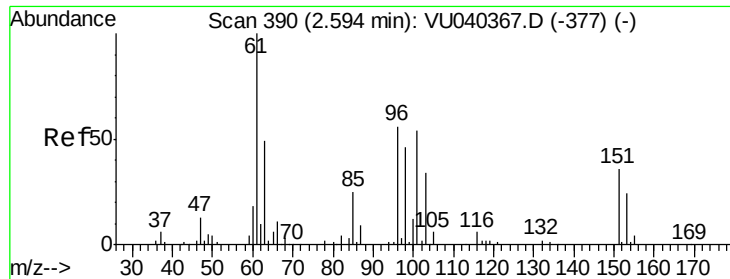
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampled :

BG0F1

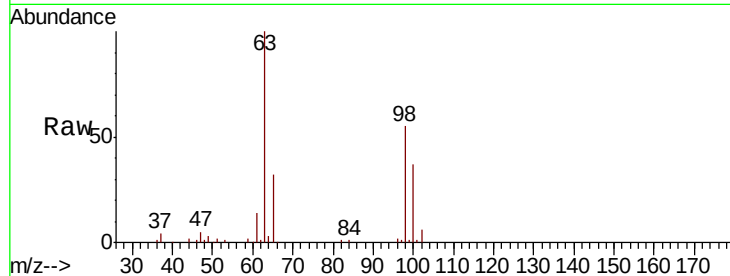
Tot Ion: 96 Resp: 624

Ion Ratio Lower Upper

96 100

61 820.5 128.6 238.8#

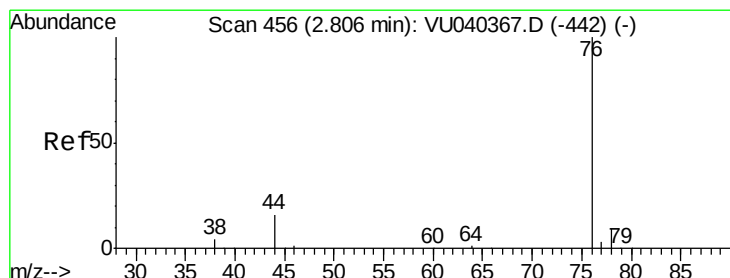
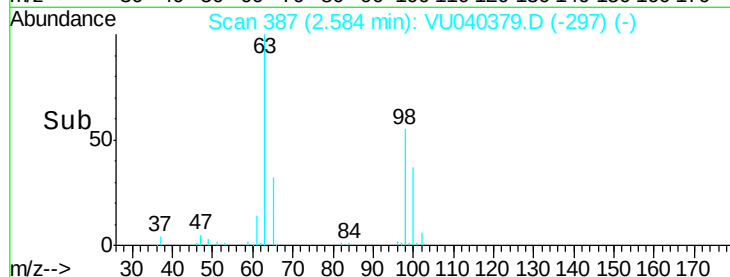
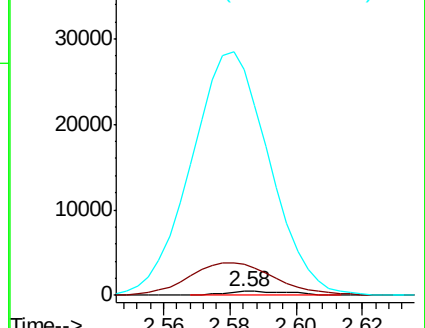
63 5944.9 67.8 126.0#



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



#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040379.D

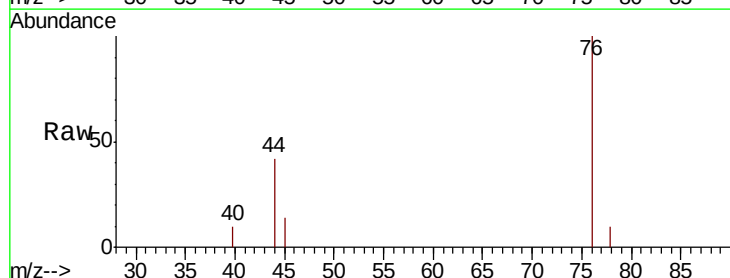
Acq: 29 Sep 2020 23:34

Tgt Ion: 76 Resp: 2145

Ion Ratio Lower Upper

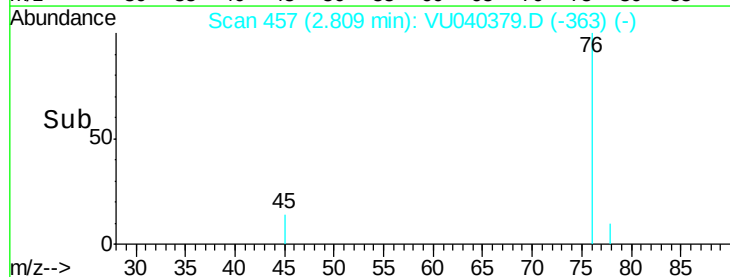
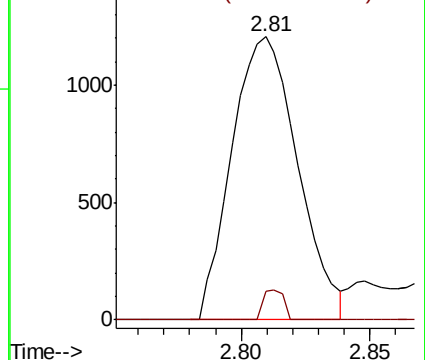
76 100

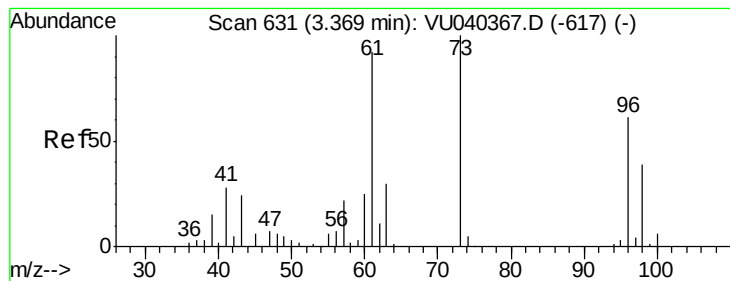
78 10.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.555 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

BG0F1

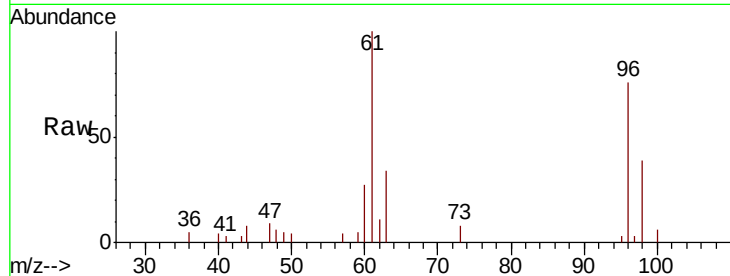
Tot Ion: 96 Resp: 5447

Ion Ratio Lower Upper

96 100

61 132.4 109.3 203.1

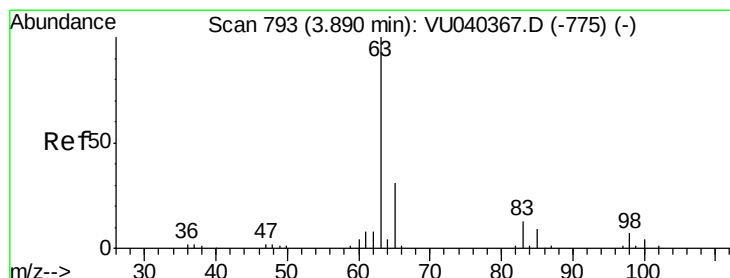
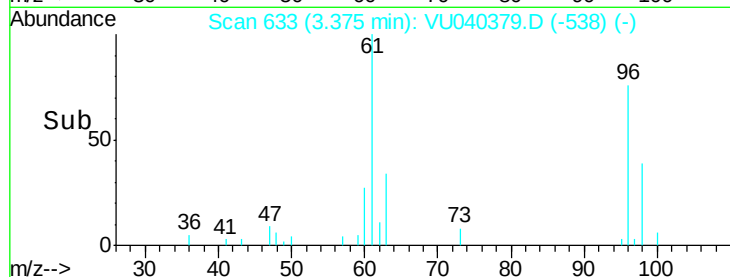
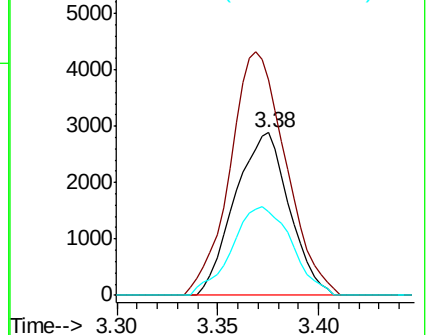
98 51.6 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU040379.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040379.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040379.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

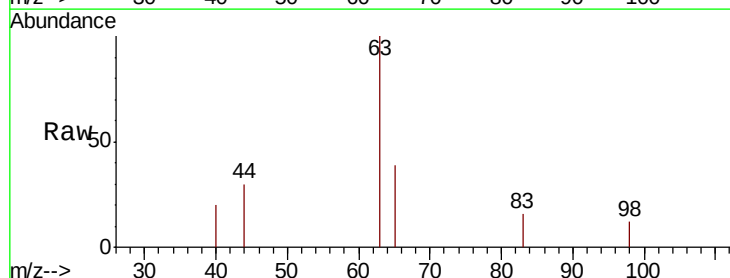
Tgt Ion: 63 Resp: 2099

Ion Ratio Lower Upper

63 100

65 39.4 21.7 40.3

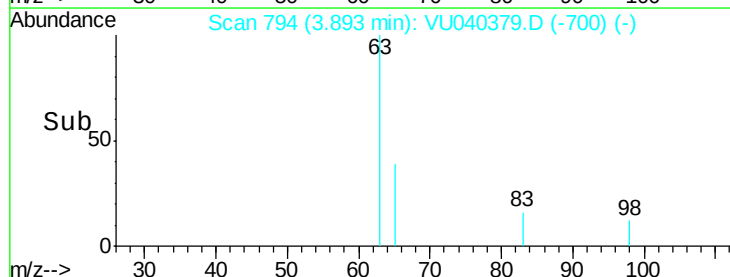
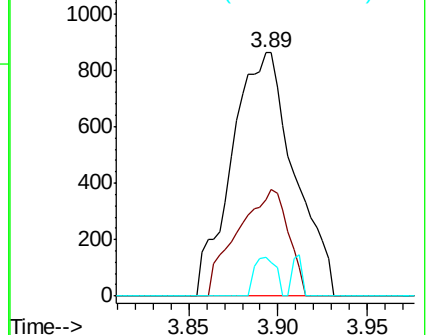
83 16.1 9.1 16.9

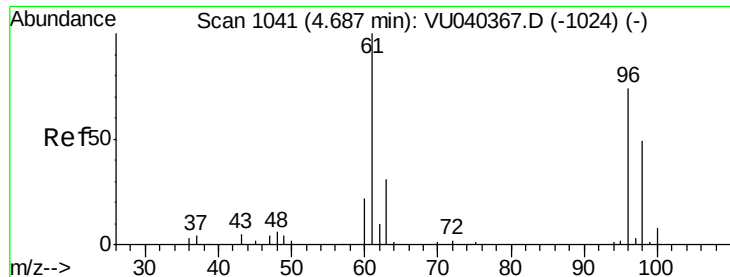


Abundance Ion 63.10 (62.80 to 63.80): VU040379.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040379.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040379.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.576 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

BG0F1

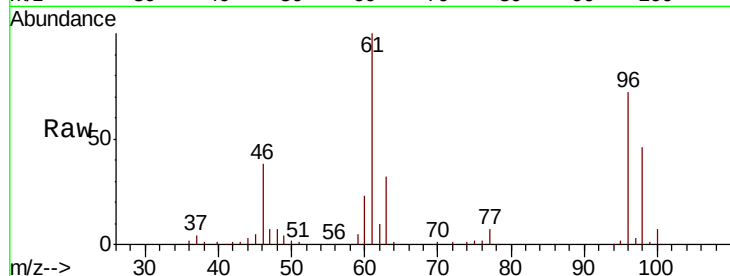
Tot Ion: 96 Resp: 60563

Ion Ratio Lower Upper

96 100

61 139.7 99.3 184.5

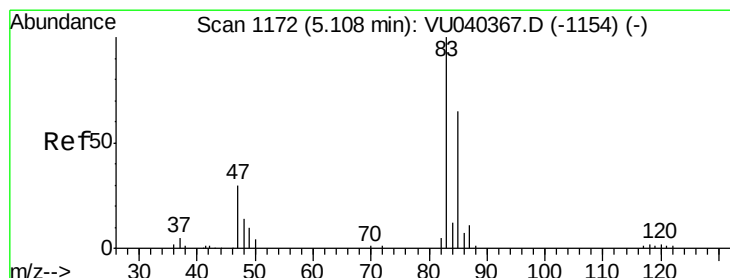
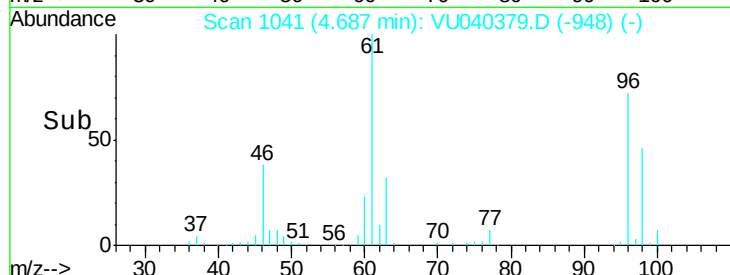
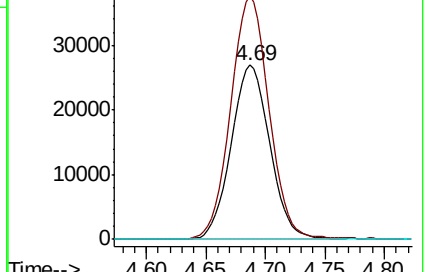
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040379.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040379.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040379.D (-948) (-)



#25

Chloroform

Concen: 0.059 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU040379.D

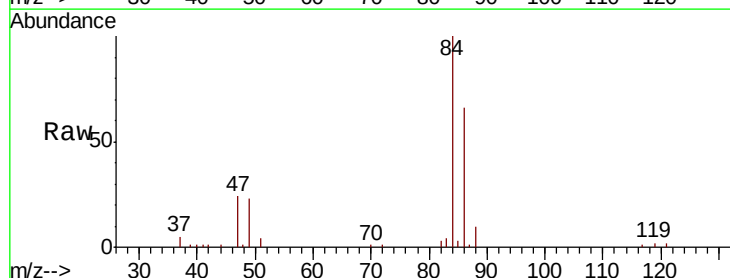
Acq: 29 Sep 2020 23:34

Tgt Ion: 83 Resp: 1208

Ion Ratio Lower Upper

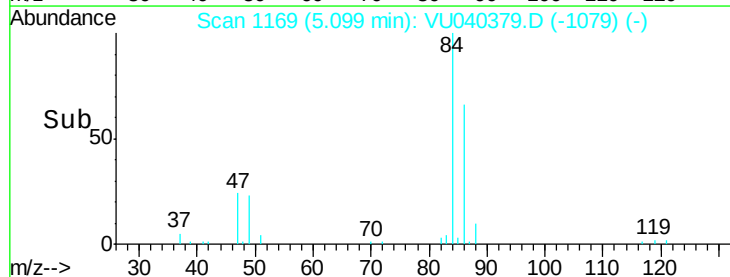
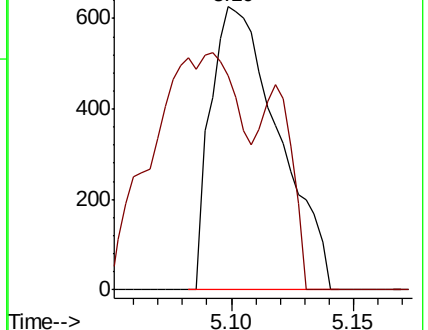
83 100

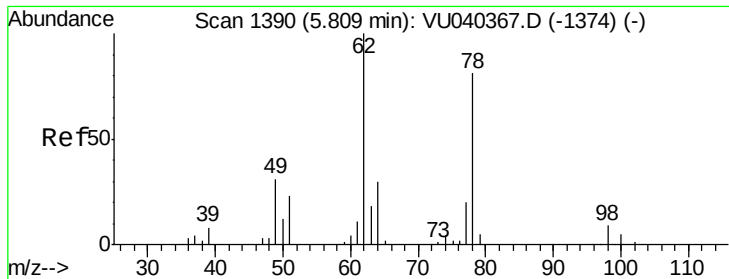
85 75.6 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040379.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU040379.D (-1079) (-)

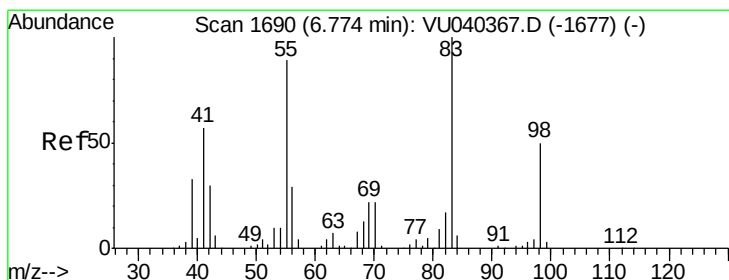
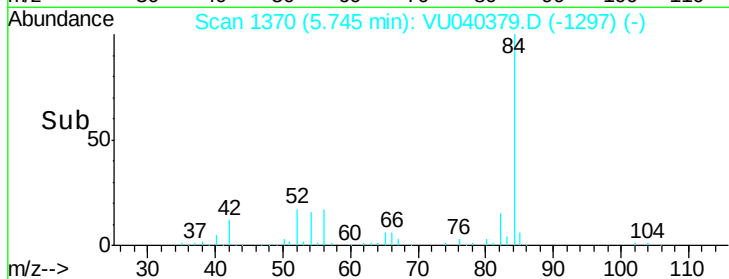
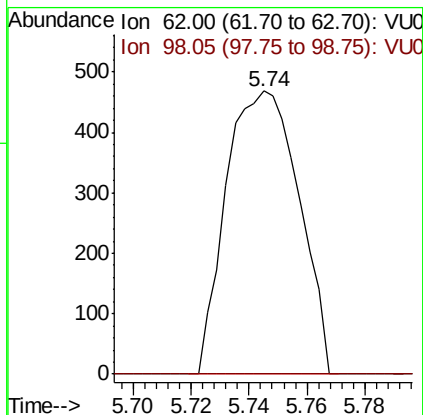
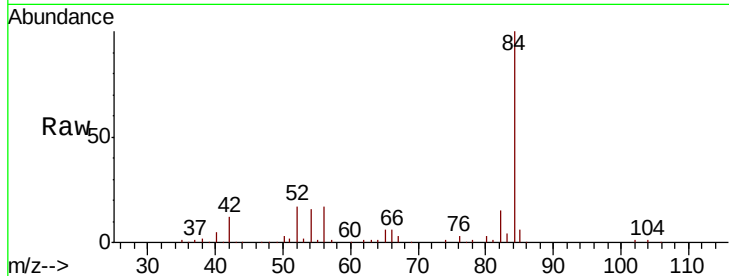




#27
 1,2-Dichloroethane
 Concen: 0.057 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040379.D
 Acq: 29 Sep 2020 23:34

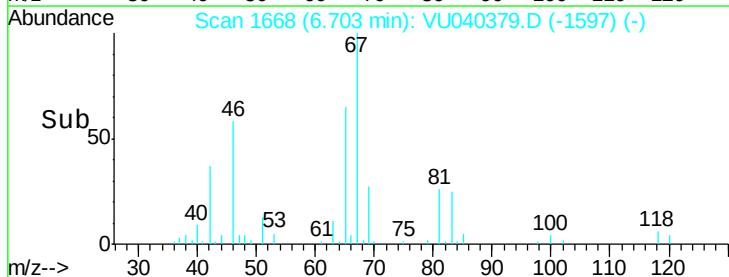
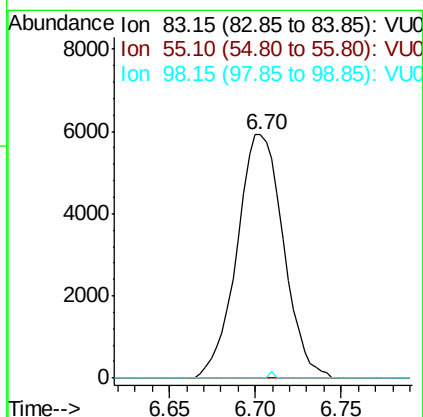
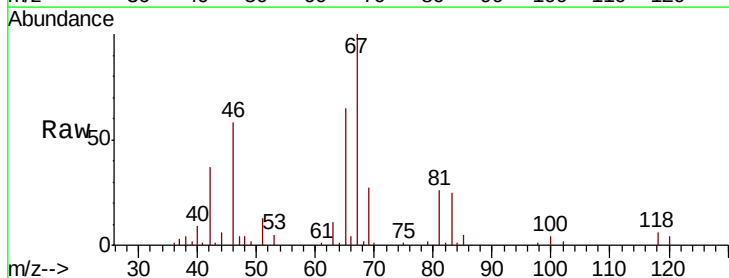
Instrument :
 MSVOA_U
 ClientSampled :
 BG0F1

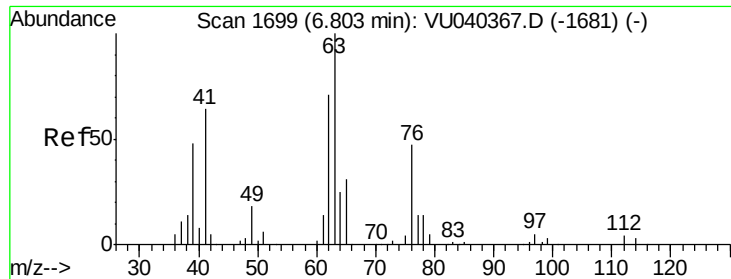
Tot Ion: 62 Resp: 814
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#35
 Methylcyclohexane
 Concen: 0.679 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040379.D
 Acq: 29 Sep 2020 23:34

Tgt Ion: 83 Resp: 11101
 Ion Ratio Lower Upper
 83 100
 55 0.0 71.4 107.2#
 98 0.3 38.5 57.7#

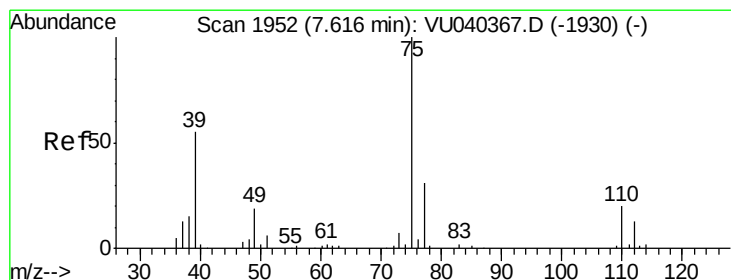
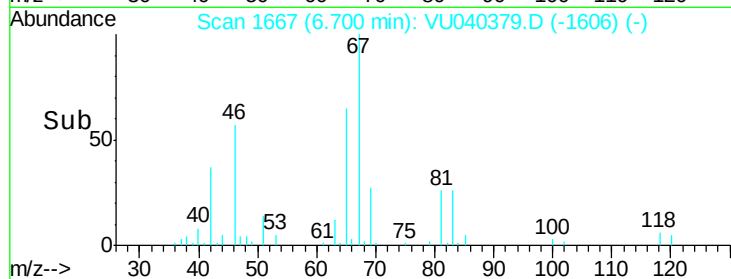
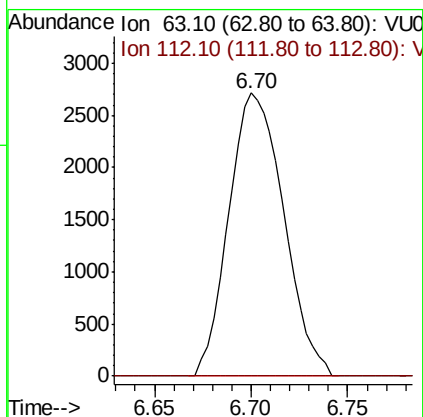
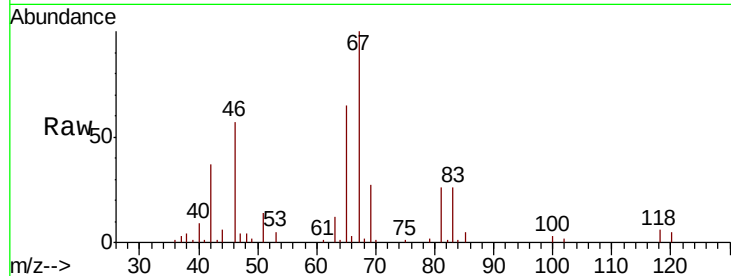




#37
 1,2-Dichloropropane
 Concen: 0.458 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040379.D
 Acq: 29 Sep 2020 23:34

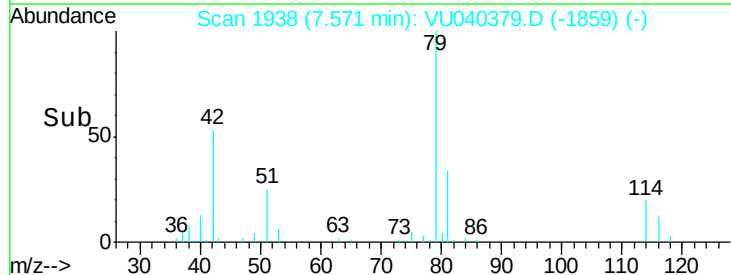
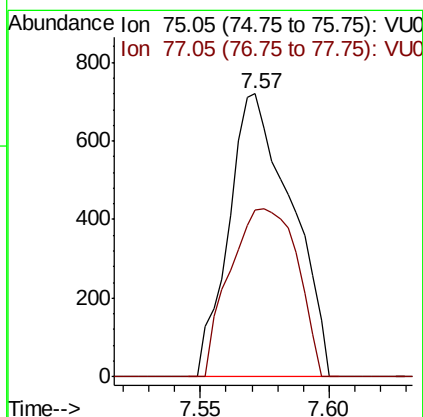
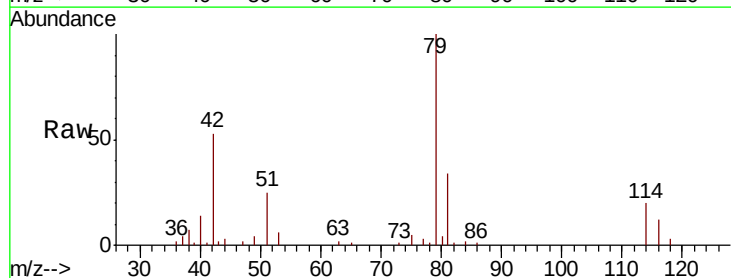
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F1

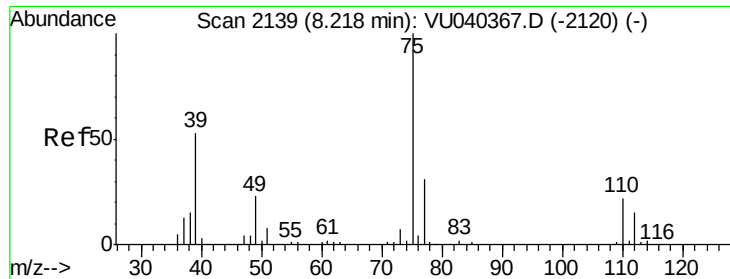
Tot Ion: 63 Resp: 5354
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040379.D
 Acq: 29 Sep 2020 23:34

Tgt Ion: 75 Resp: 1219
 Ion Ratio Lower Upper
 75 100
 77 58.8 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.054 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

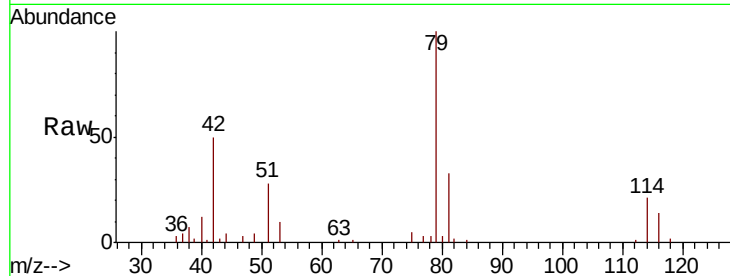
BG0F1

Tot Ion: 75 Resp: 774

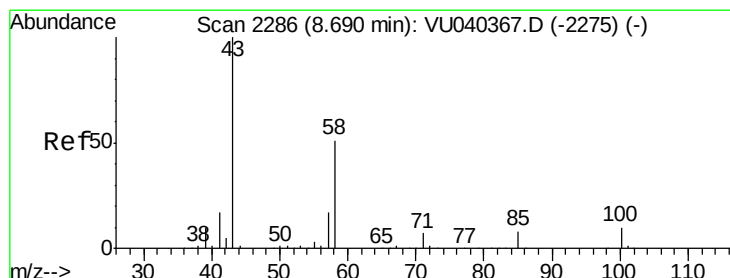
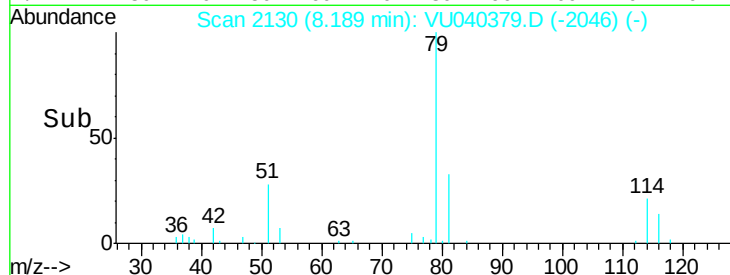
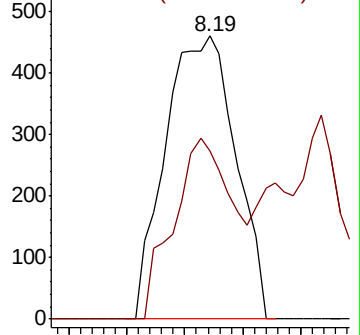
Ion Ratio Lower Upper

75 100

77 59.3 22.3 41.3#



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



#48

2-Hexanone

Concen: 2.312 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Tgt Ion: 43 Resp: 15595

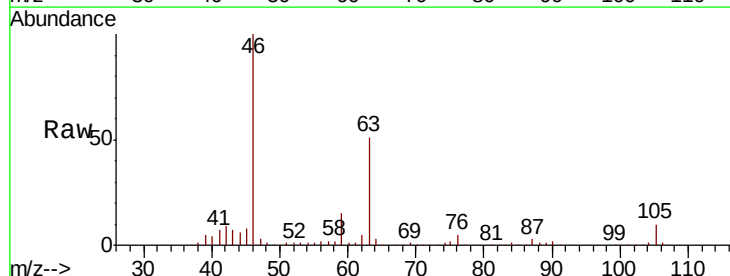
Ion Ratio Lower Upper

43 100

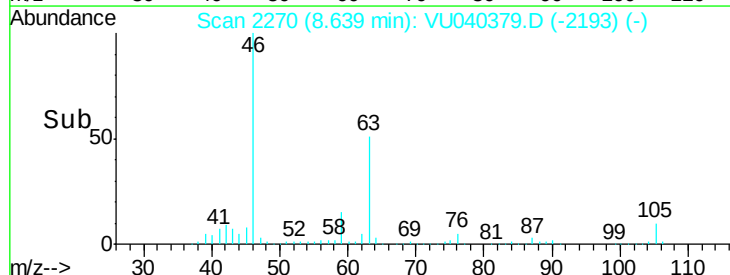
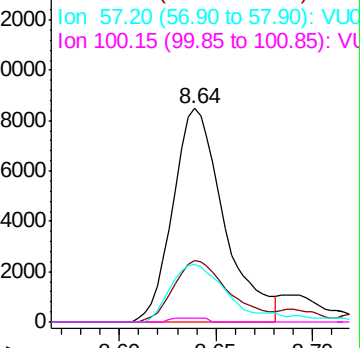
58 31.4 41.0 61.4#

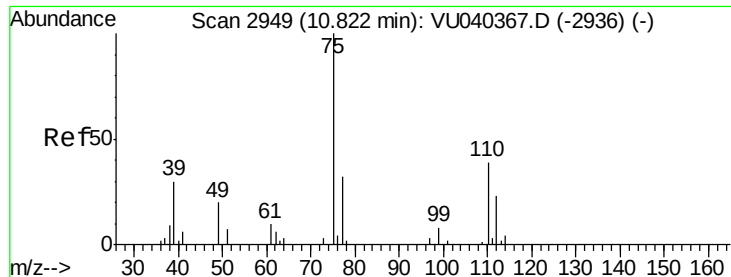
57 31.6 14.6 22.0#

100 0.7 8.2 12.4#



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





#59

1,2,3-Trichloropropane

Concen: 1.036 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040379.D

Acq: 29 Sep 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

BG0F1

Tot Ion: 75 Resp: 8777

Ion Ratio Lower Upper

75 100

77 35.0 25.7 38.5

