

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040613.D
 Acq On : 10 Oct 2020 03:15
 Operator : SY/MD
 Sample : L4352-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ00

Quant Time: Oct 10 06:08:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 05:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129215	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132098	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55608	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48020	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.93	69	41227	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	73558	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.66	46	190764	55.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.36%
24) Chloroform-d	5.08	84	95541	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	60163	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.75	84	179252	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	59689	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.91	98	144830	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	8.19	79	22582	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	136323	52.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53826	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57414	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1365	0.125 ug/L #	75
5) Vinyl chloride	1.61	62	5244	0.455 ug/L #	1
8) Chloroethane	1.93	64	420	0.057 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	570	0.053 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	580	0.063 ug/L #	1
22) cis-1,2-Dichloroethene	4.69	96	21436	2.060 ug/L	96
25) Chloroform	5.10	83	2037	0.100 ug/L	92
33) Benzene	5.75	78	1452	0.034 ug/L	100
35) Methylcyclohexane	6.70	83	14105	0.904 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6883	0.582 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1753	0.109 ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	1135	0.076 ug/L #	76
48) 2-Hexanone	8.64	43	20532	2.925 ug/L #	71
53) m,p-Xylene	9.70	106	2430	0.142 ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	7265	0.836 ug/L #	76

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 05:58:50 2020
Response via : Initial Calibration

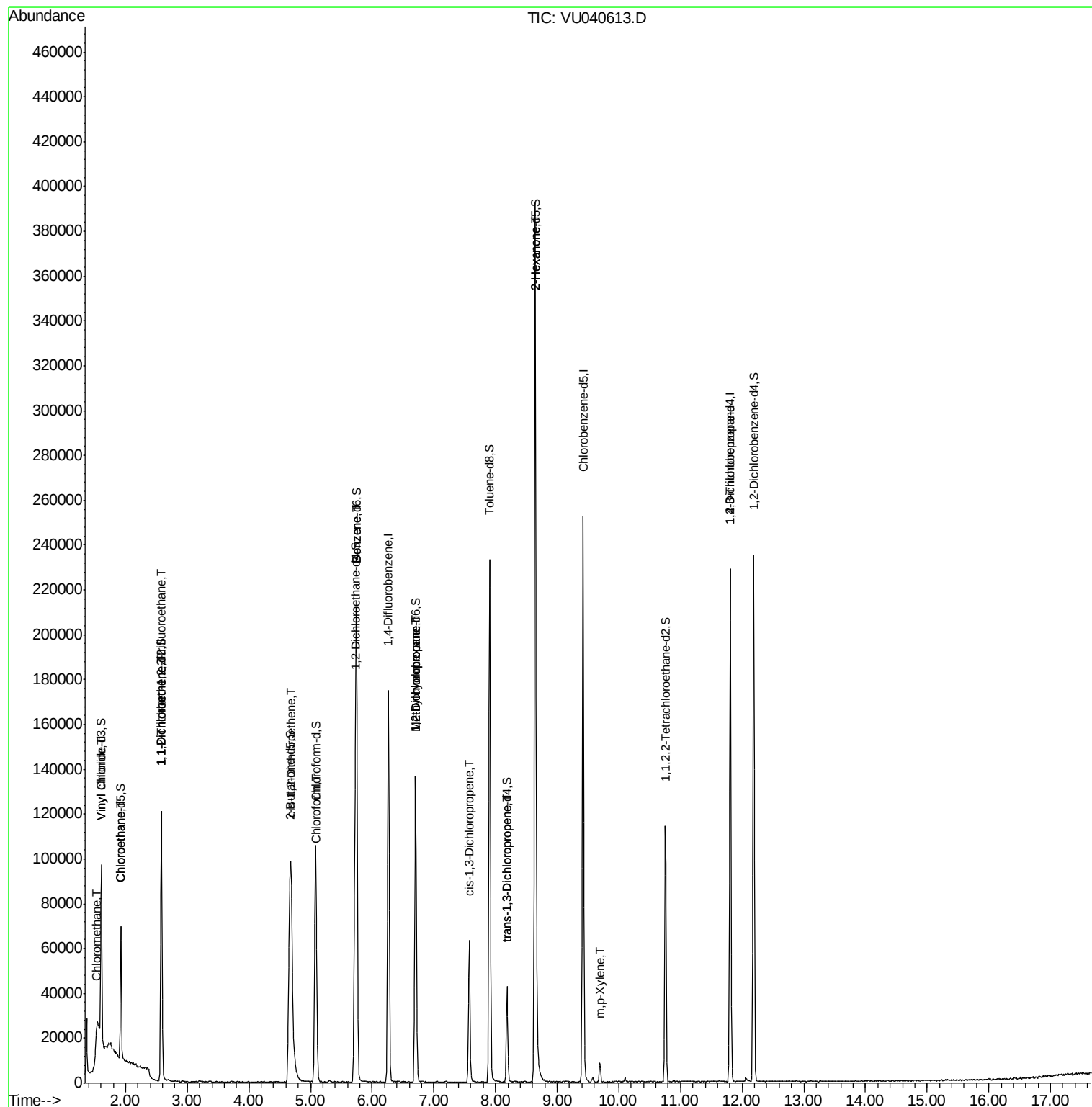
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

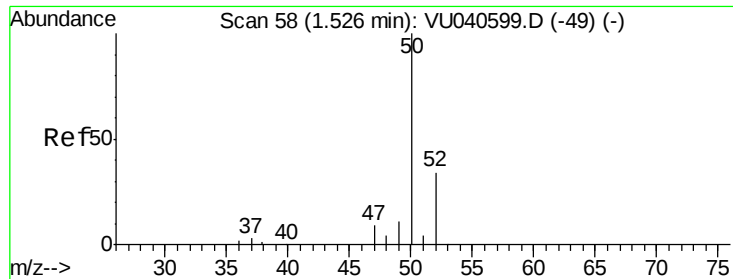
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.125 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040613.D

Acq: 10 Oct 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

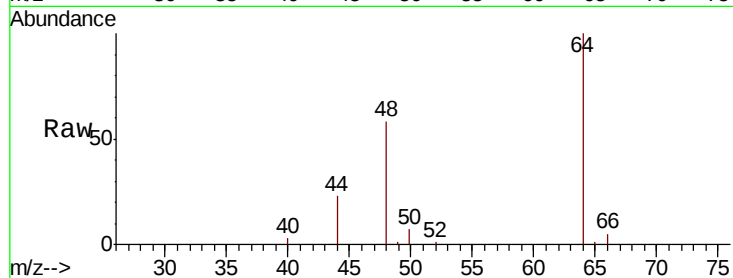
ETZ00

Tot Ion: 50 Resp: 1365

Ion Ratio Lower Upper

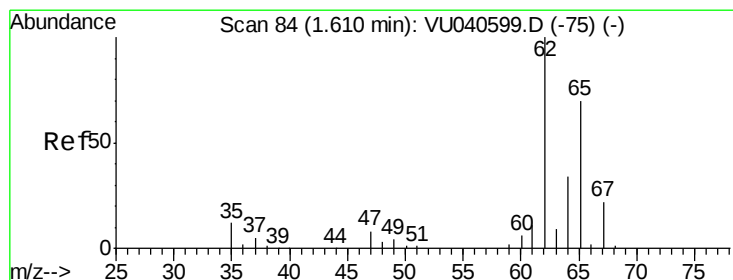
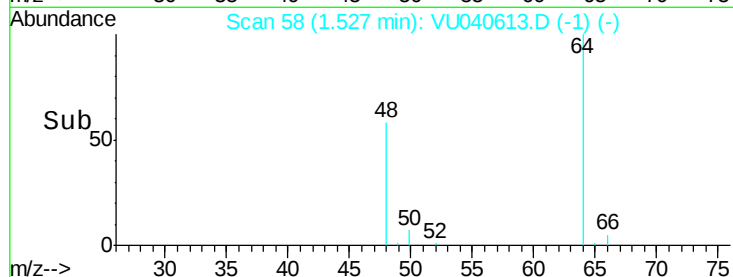
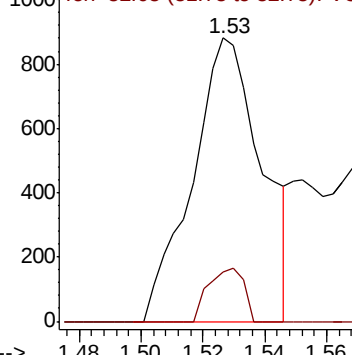
50 100

52 17.6 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.455 ug/L

RT: 1.61 min Scan# 85

Delta R.T. 0.00 min

Lab File: VU040613.D

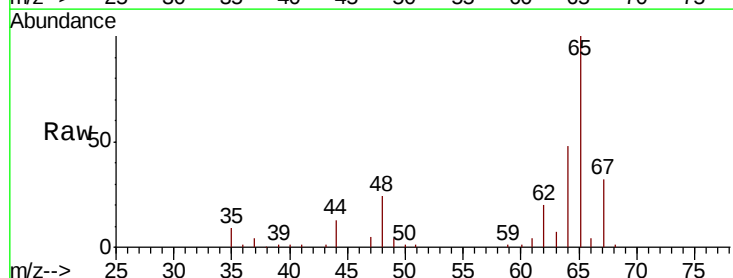
Acq: 10 Oct 2020 03:15

Tgt Ion: 62 Resp: 5244

Ion Ratio Lower Upper

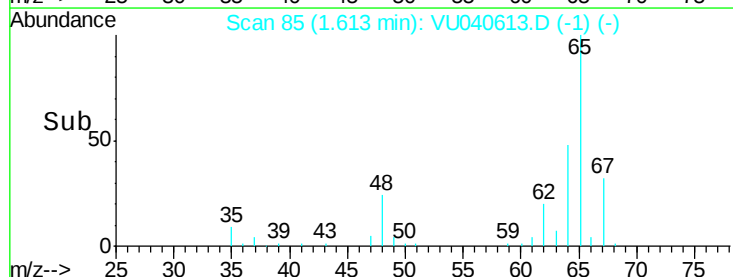
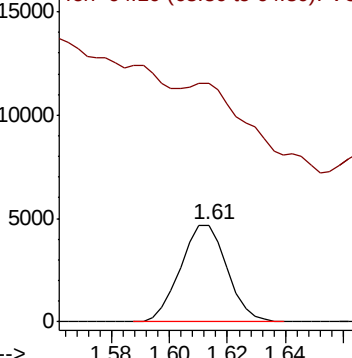
62 100

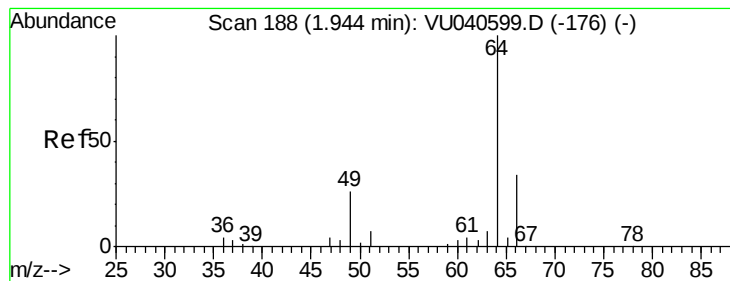
64 248.0 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.057 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU040613.D

Acq: 10 Oct 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

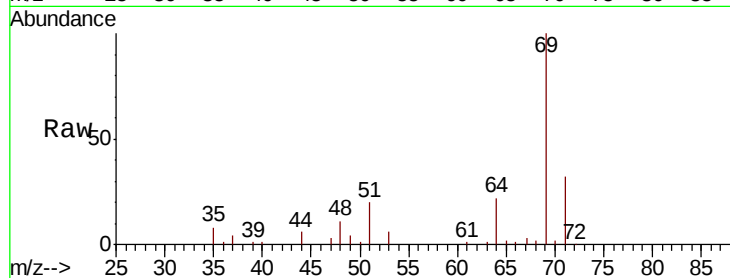
ETZ00

Tot Ion: 64 Resp: 420

Ion Ratio Lower Upper

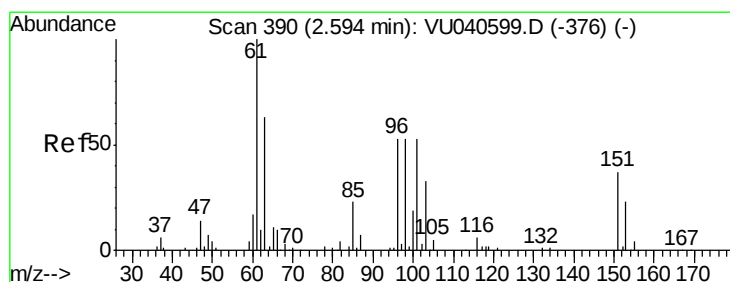
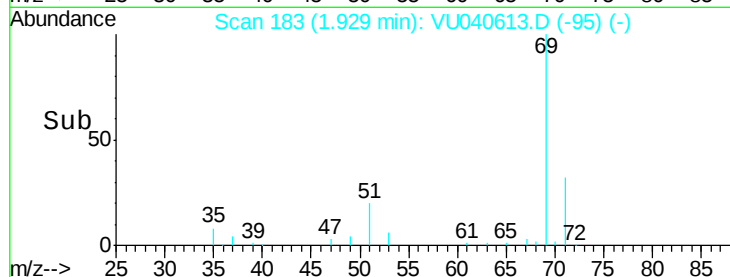
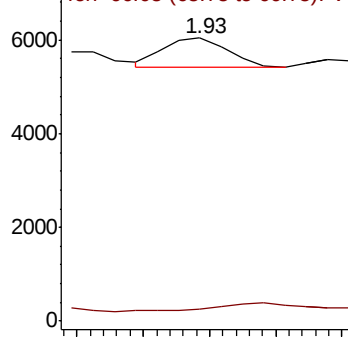
64 100

66 4.5 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.053 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040613.D

Acq: 10 Oct 2020 03:15

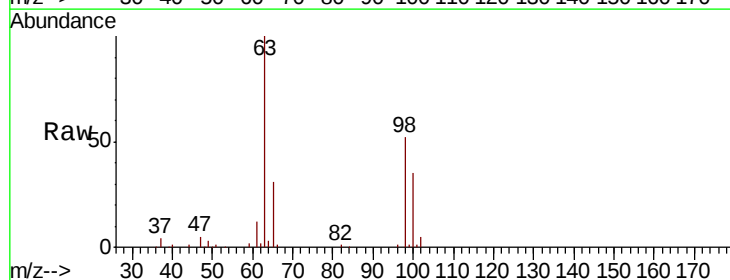
Tgt Ion:101 Resp: 570

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

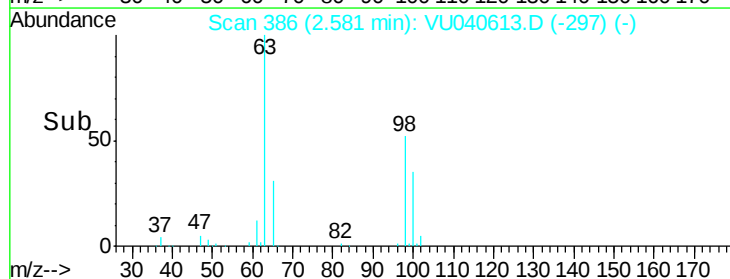
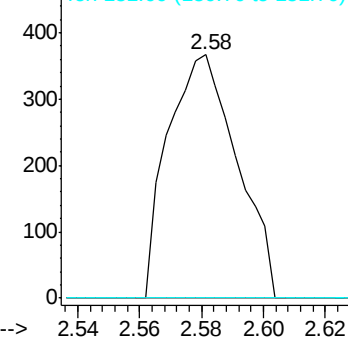
151 0.0 58.0 87.0#

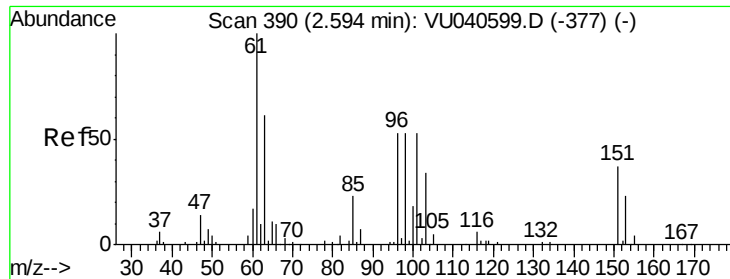


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

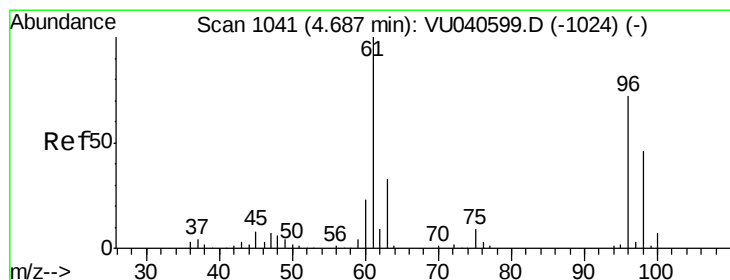
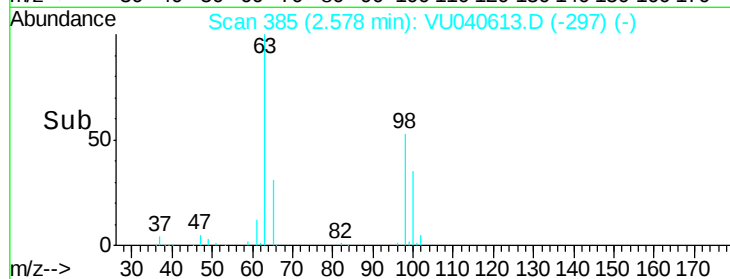
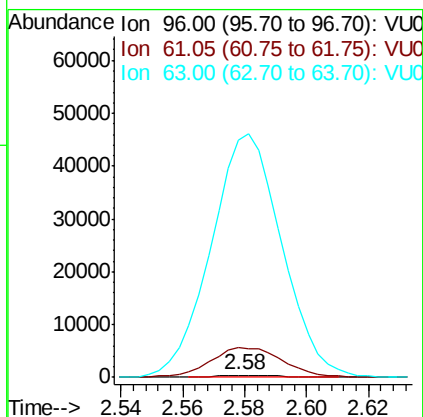
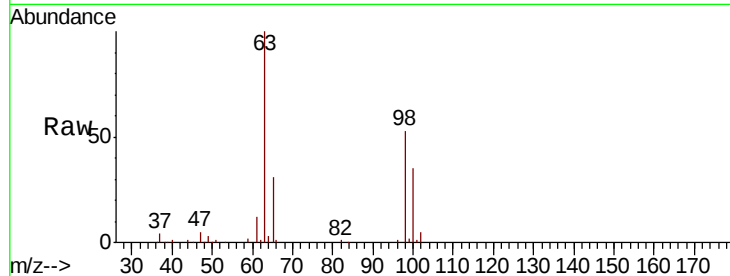




#12
 1,1-Dichloroethene
 Concen: 0.063 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.02 min
 Lab File: VU040613.D
 Acq: 10 Oct 2020 03:15

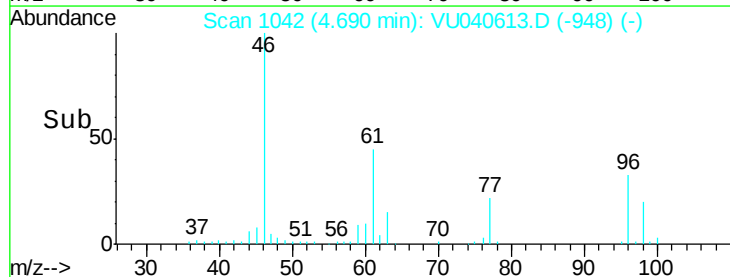
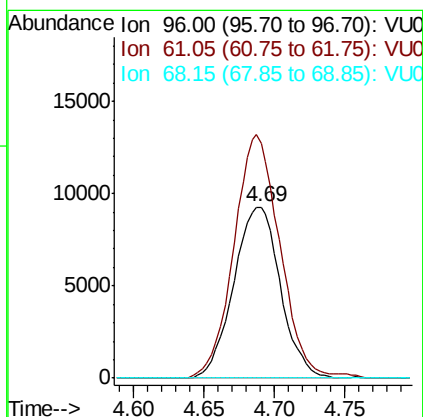
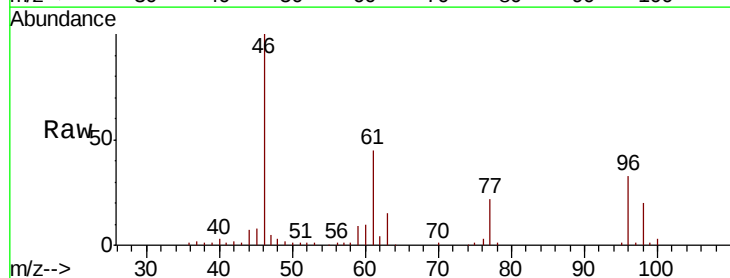
Instrument :
 MSVOA_U
 ClientSampled :
 ETZ00

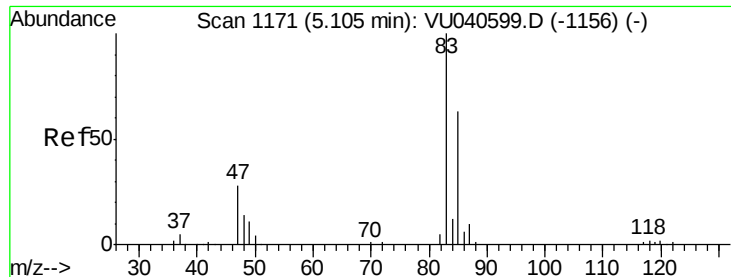
Tot Ion: 96 Resp: 580
 Ion Ratio Lower Upper
 96 100
 61 1275.4 128.8 239.2#
 63 10300.7 84.6 157.2#



#22
 cis-1,2-Dichloroethene
 Concen: 2.060 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU040613.D
 Acq: 10 Oct 2020 03:15

Tgt Ion: 96 Resp: 21436
 Ion Ratio Lower Upper
 96 100
 61 137.5 99.8 185.4
 68 0.0 0.0 0.0

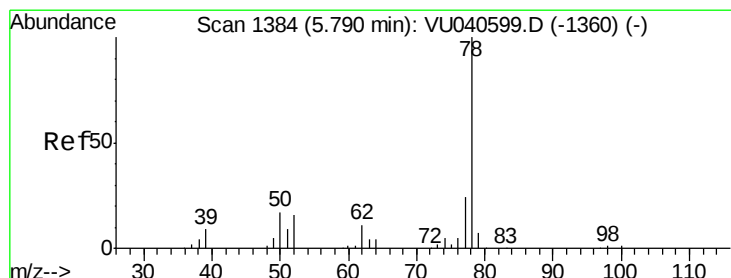
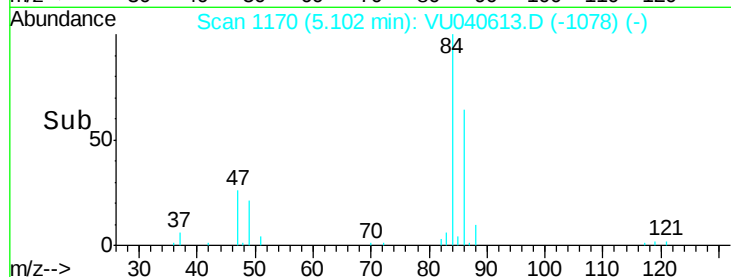
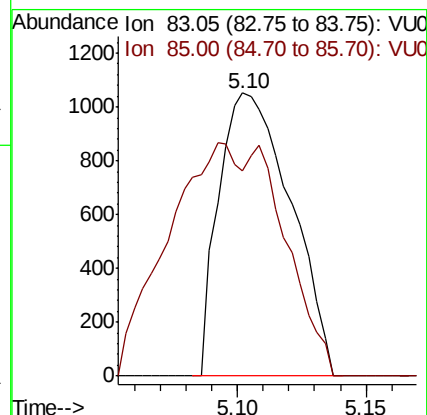
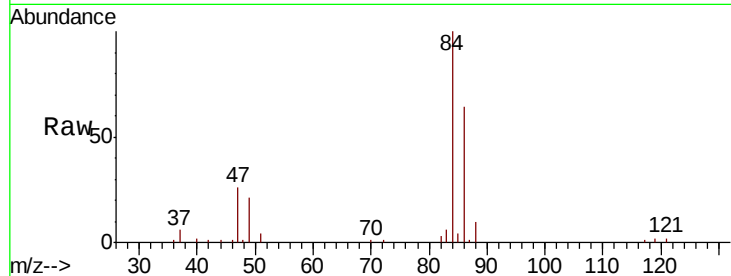




#25
Chloroform
Concen: 0.100 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040613.D
Acq: 10 Oct 2020 03:15

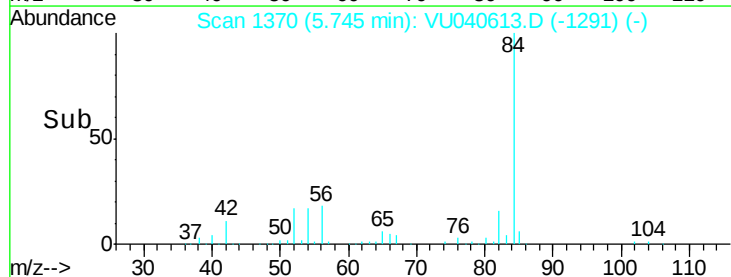
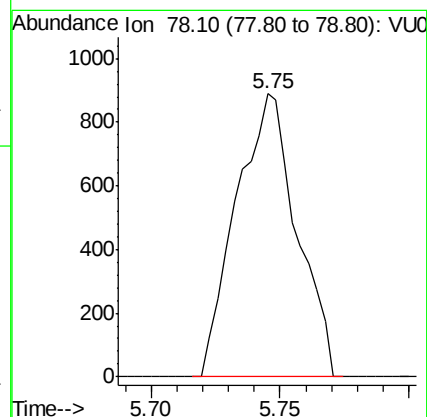
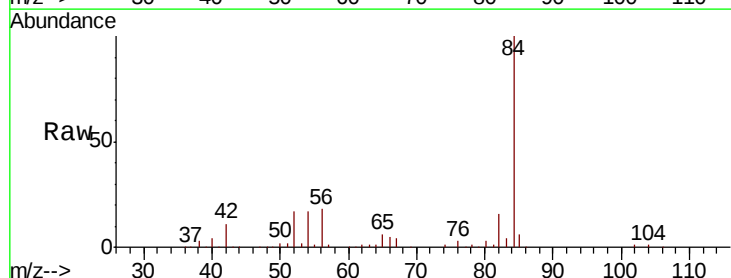
Instrument :
MSVOA_U
ClientSampled :
ETZ00

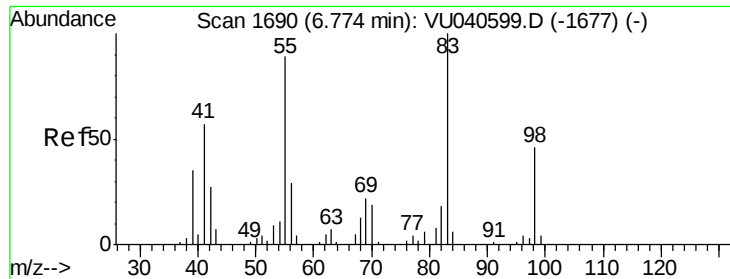
Tot Ion: 83 Resp: 2037
Ion Ratio Lower Upper
83 100
85 72.5 46.5 86.5



#33
Benzene
Concen: 0.034 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.04 min
Lab File: VU040613.D
Acq: 10 Oct 2020 03:15

Tgt Ion: 78 Resp: 1452

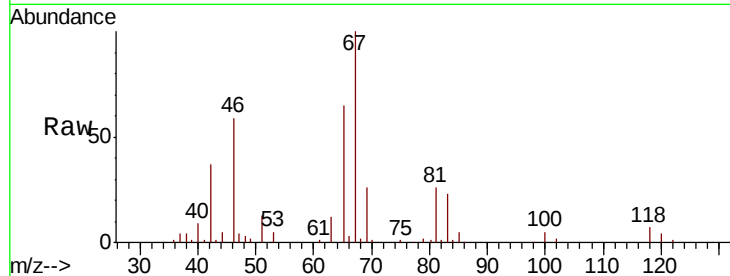




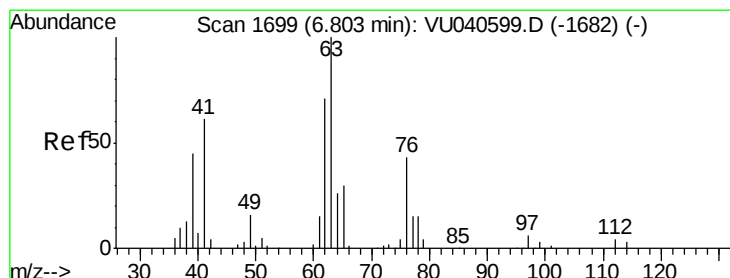
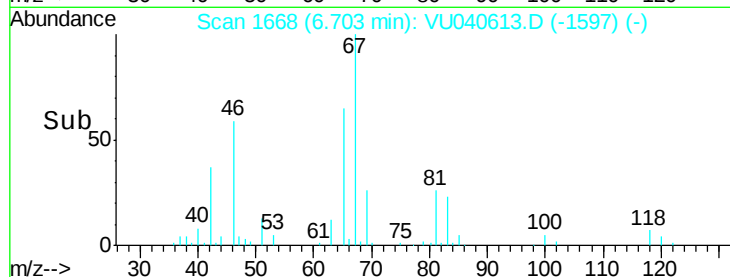
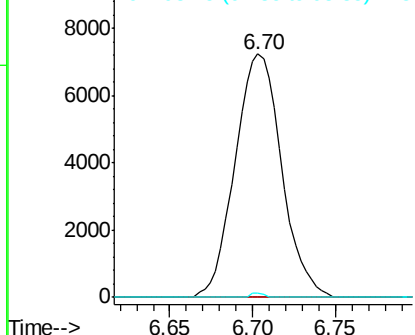
#35
Methylcyclohexane
Concen: 0.904 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040613.D
Acq: 10 Oct 2020 03:15

Instrument :
MSVOA_U
ClientSampleId :
ETZ00

Tot Ion: 83 Resp: 14105
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.5 38.4 57.6#

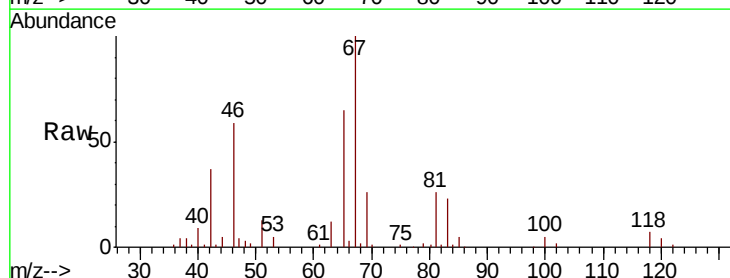


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

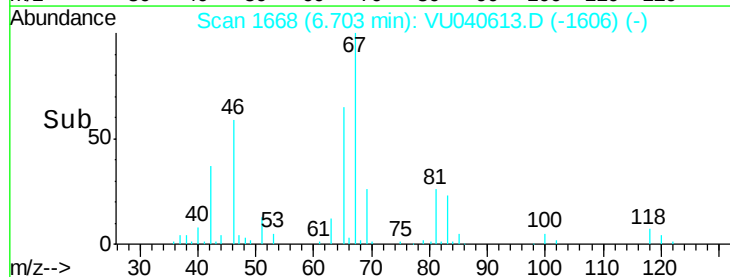
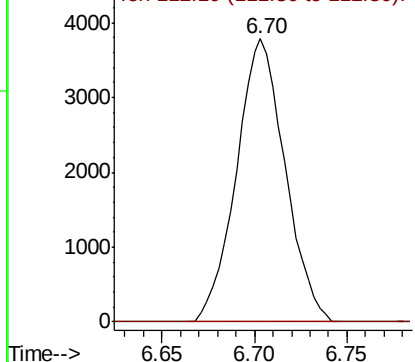


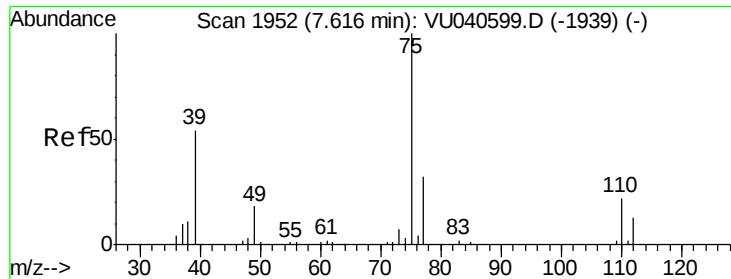
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040613.D
Acq: 10 Oct 2020 03:15

Tgt Ion: 63 Resp: 6883
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

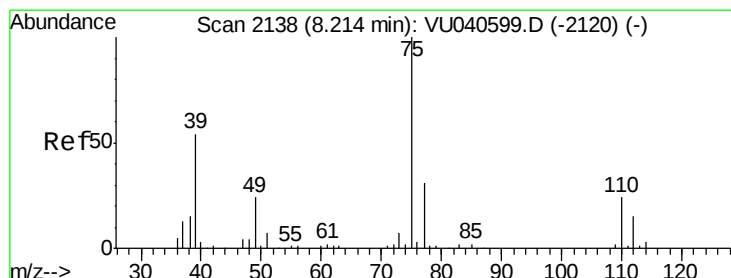
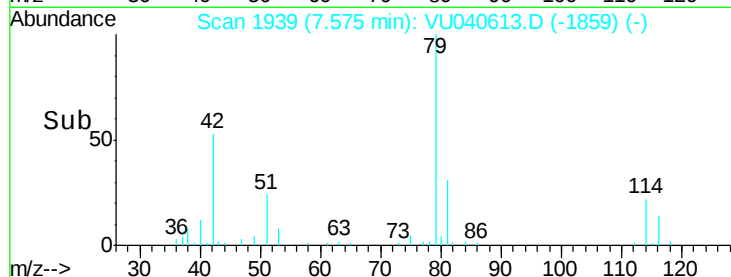
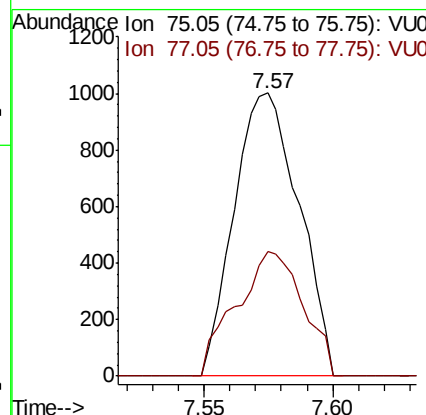
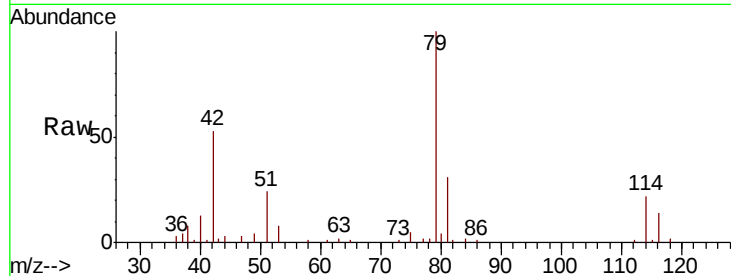




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040613.D
 Acq: 10 Oct 2020 03:15

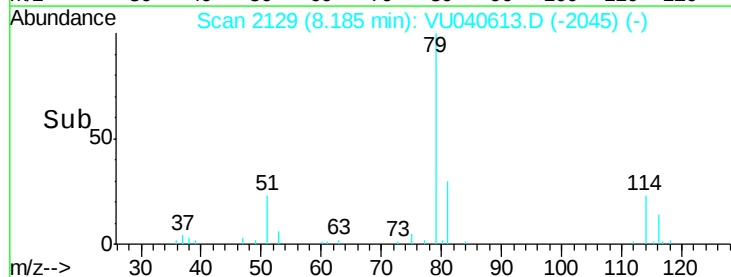
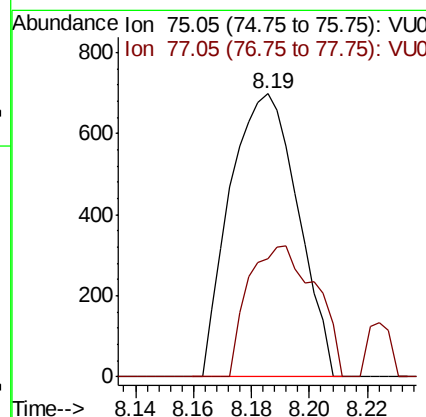
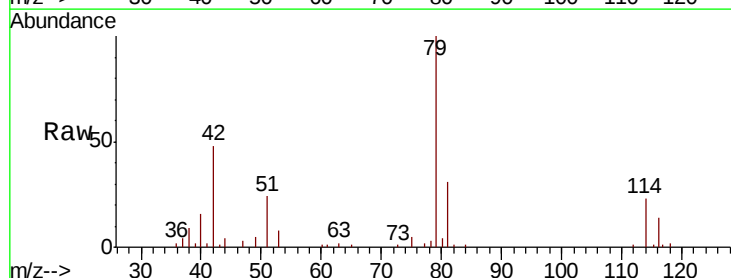
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ00

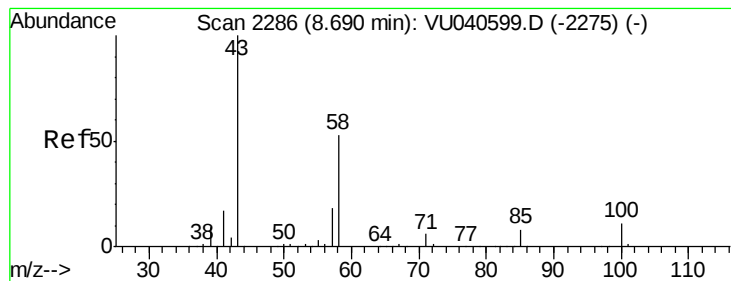
Tot Ion: 75 Resp: 1753
 Ion Ratio Lower Upper
 75 100
 77 44.1 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040613.D
 Acq: 10 Oct 2020 03:15

Tgt Ion: 75 Resp: 1135
 Ion Ratio Lower Upper
 75 100
 77 41.8 20.4 38.0#





#48

2-Hexanone

Concen: 2.925 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040613.D

Acq: 10 Oct 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

ETZ00

Tot Ion: 43 Resp: 20532

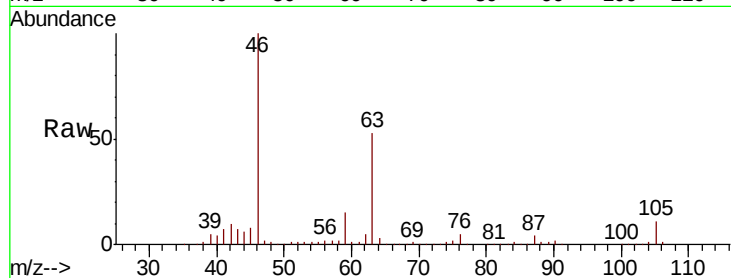
Ion Ratio Lower Upper

43 100

58 29.7 41.0 61.6#

57 28.7 14.4 21.6#

100 1.0 8.6 13.0#

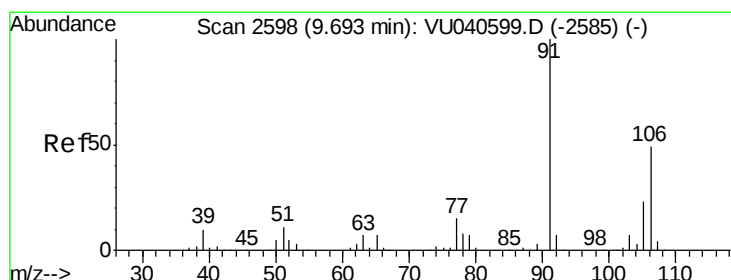
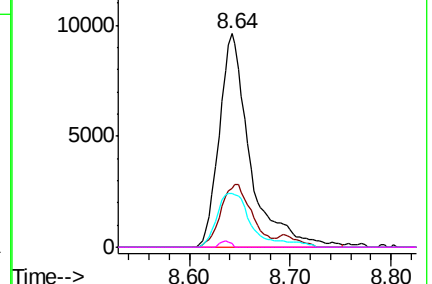
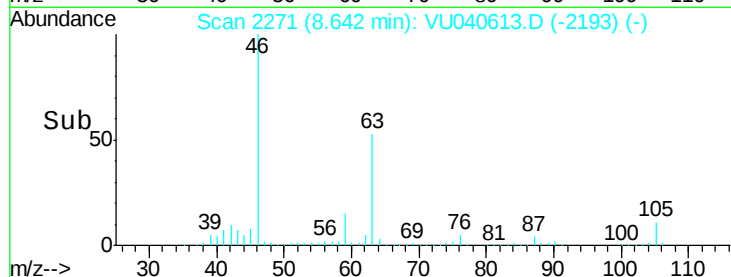


Abundance Ion 43.05 (42.75 to 43.75): VU040613.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040613.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040613.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040613.D (-2193) (-)



#53

m,p-Xylene

Concen: 0.142 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040613.D

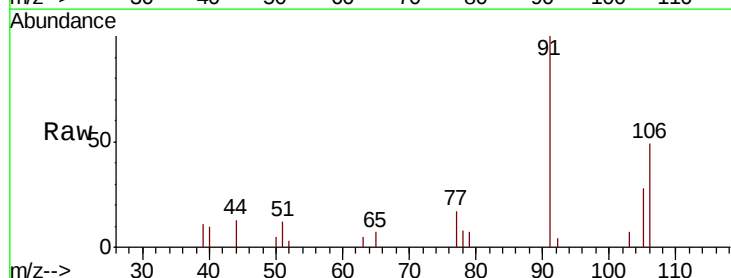
Acq: 10 Oct 2020 03:15

Tgt Ion: 106 Resp: 2430

Ion Ratio Lower Upper

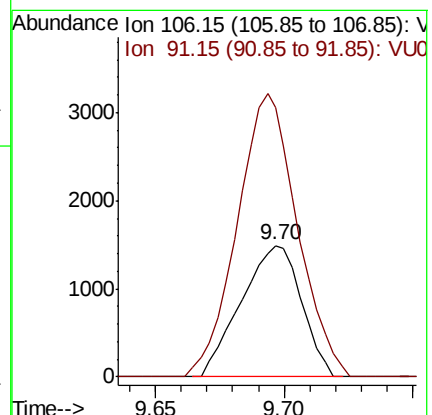
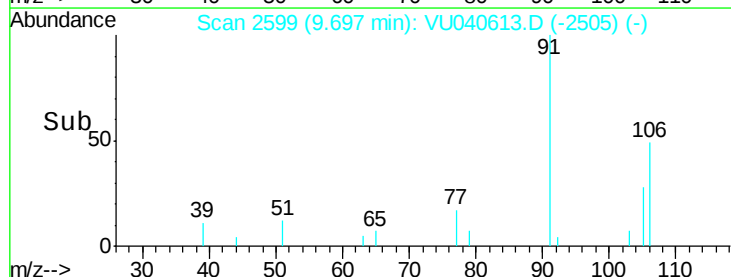
106 100

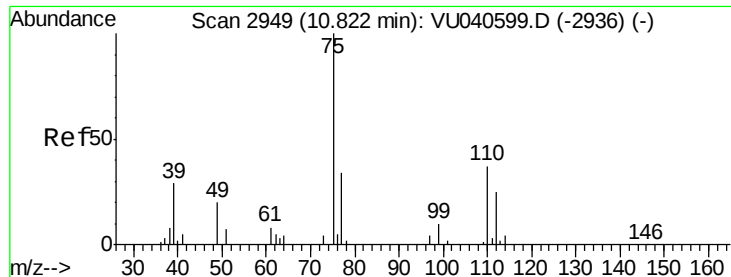
91 205.4 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040613.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU040613.D (-2505) (-)





#59

1,2,3-Trichloropropane

Concen: 0.836 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040613.D

Acq: 10 Oct 2020 03:15

Instrument :

MSVOA_U

ClientSampleId :

ETZ00

Tot Ion: 75 Resp: 7265

Ion Ratio Lower Upper

75 100

77 46.7 26.4 39.6#

