

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040615.D
 Acq On : 10 Oct 2020 04:01
 Operator : SY/MD
 Sample : L4352-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ02

Quant Time: Oct 10 06:08:43 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	131276	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56853	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48825	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	41086	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	75135	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.66	46	194459	55.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.72%
24) Chloroform-d	5.09	84	95424	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	59863	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.75	84	179727	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	61010	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	146102	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.19	79	22962	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	134018	50.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55042	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	58975	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

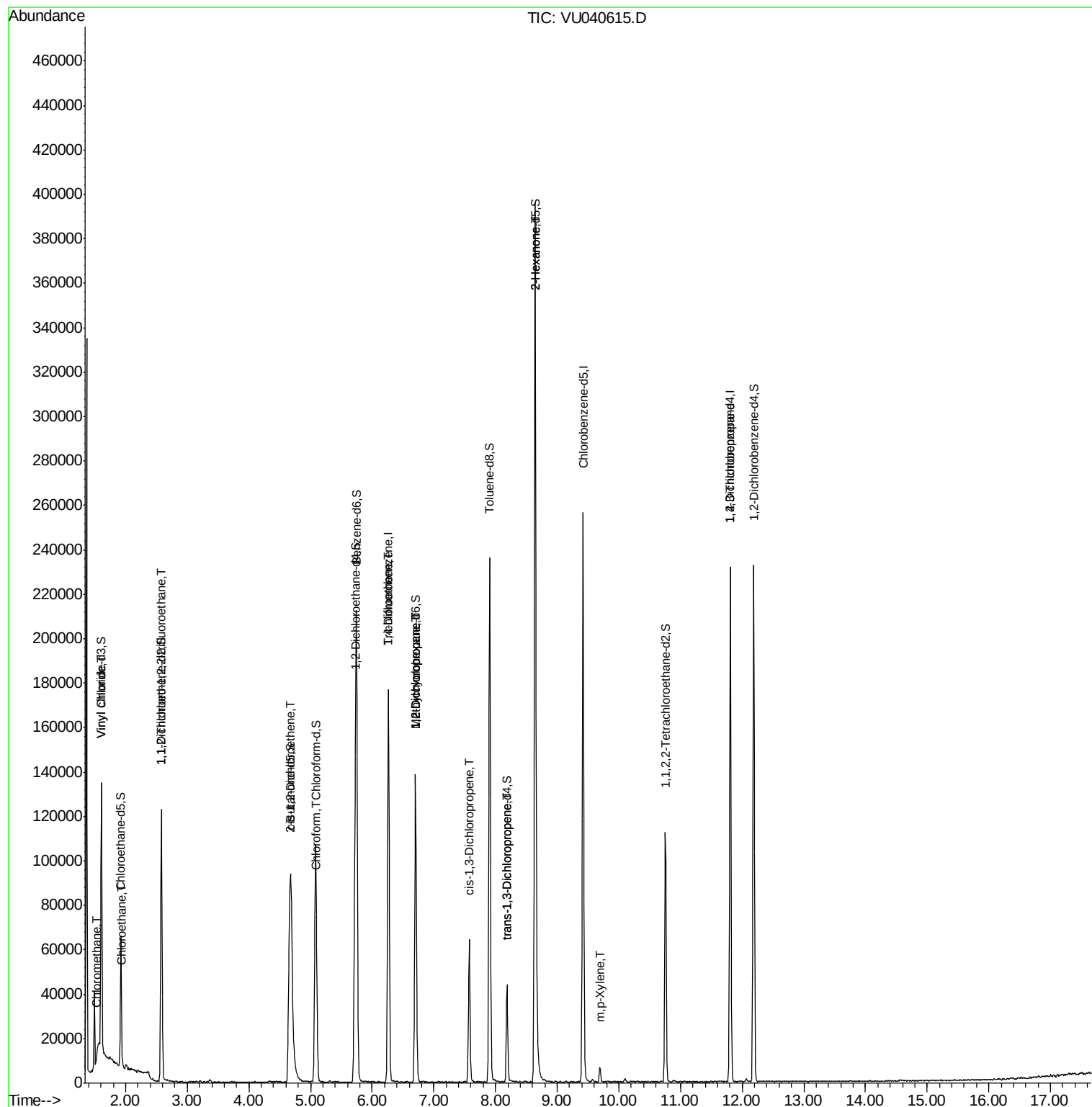
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	480	0.043	ug/L #	43
5) Vinyl chloride	1.61	62	25421	2.170	ug/L #	48
8) Chloroethane	1.94	64	370	0.050	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	582	0.053	ug/L #	20
22) cis-1,2-Dichloroethene	4.69	96	16254	1.537	ug/L	95
25) Chloroform	5.11	83	3247	0.157	ug/L	97
34) Trichloroethene	6.26	95	2281	0.202	ug/L #	5
35) Methylcyclohexane	6.70	83	13929	0.871	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7129	0.588	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1890	0.114	ug/L #	84
44) trans-1,3-Dichloropropene	8.19	75	1085	0.071	ug/L #	55
48) 2-Hexanone	8.64	43	20702	2.878	ug/L #	71
53) m,p-Xylene	9.70	106	2139	0.122	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	7915	0.889	ug/L	99

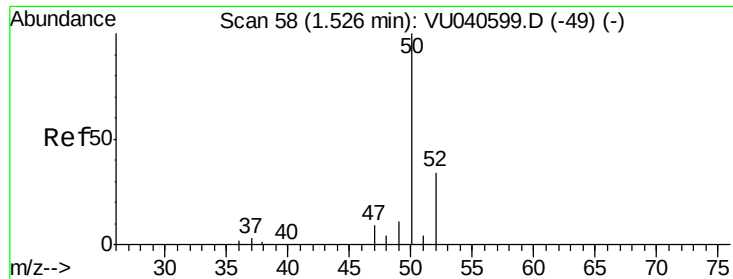
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.043 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040615.D

Acq: 10 Oct 2020 04:01

Instrument :

MSVOA_U

ClientSampleId :

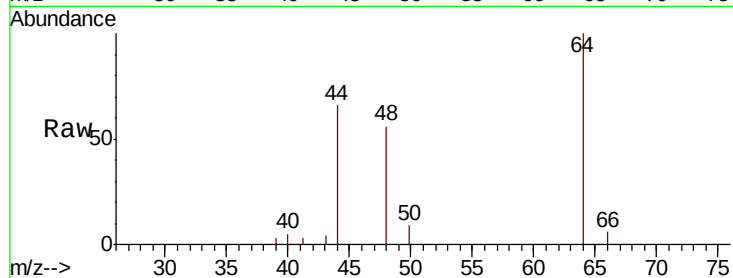
ETZ02

Tot Ion: 50 Resp: 480

Ion Ratio Lower Upper

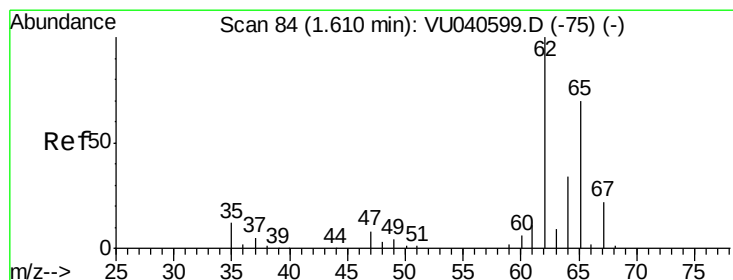
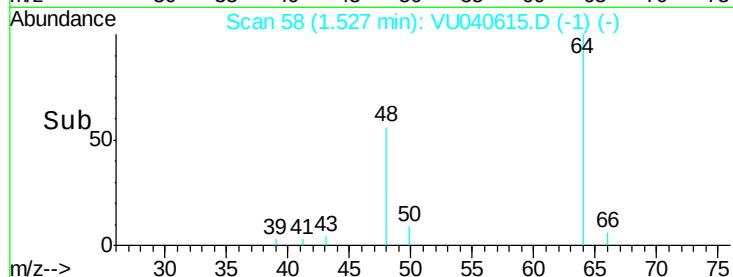
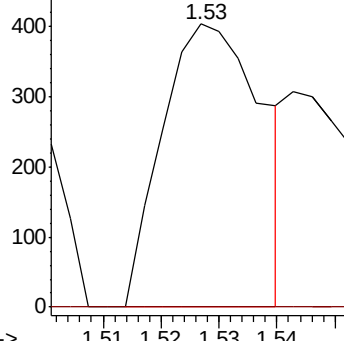
50 100

52 0.0 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: 2.170 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040615.D

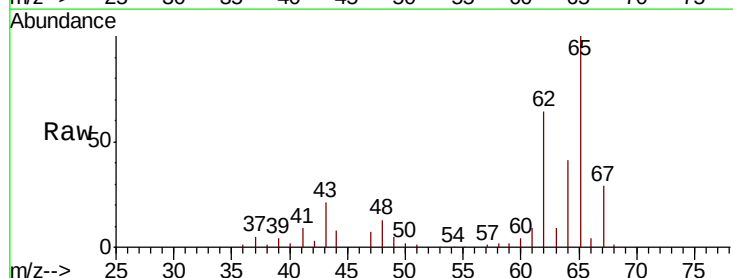
Acq: 10 Oct 2020 04:01

Tgt Ion: 62 Resp: 25421

Ion Ratio Lower Upper

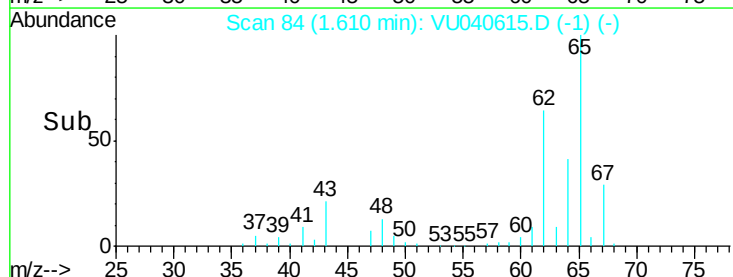
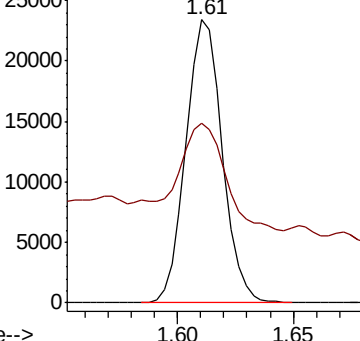
62 100

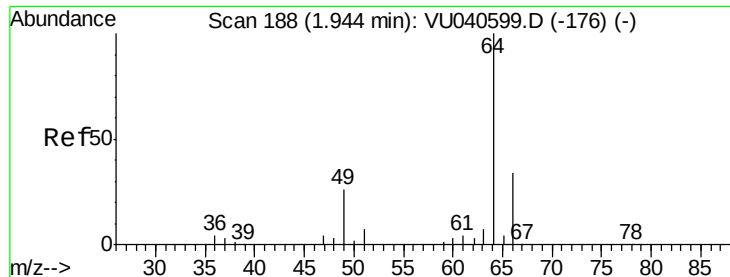
64 63.7 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.050 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040615.D

Acq: 10 Oct 2020 04:01

Instrument :

MSVOA_U

ClientSampleId :

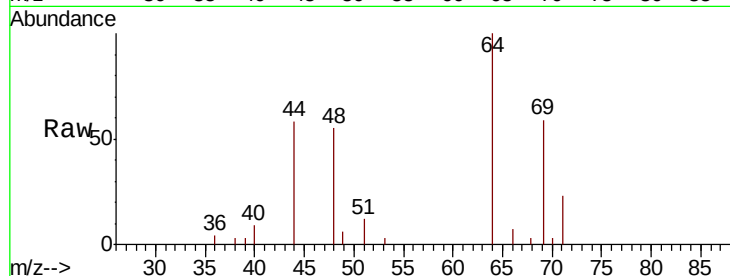
ETZ02

Tot Ion: 64 Resp: 370

Ion Ratio Lower Upper

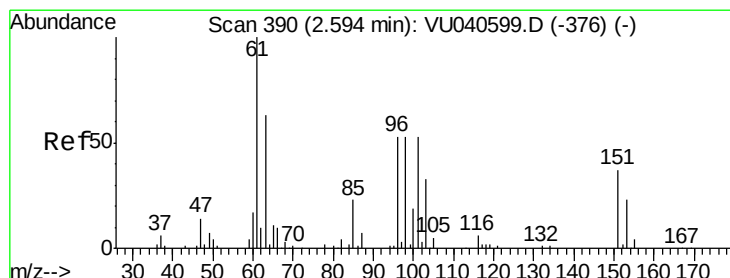
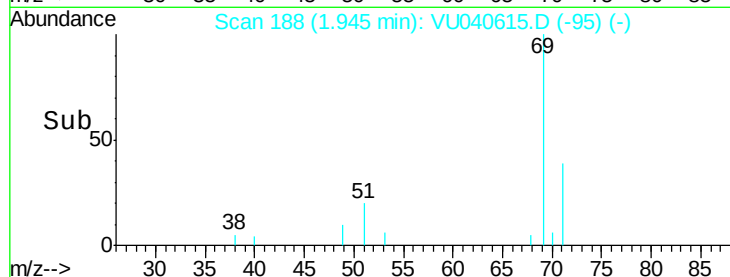
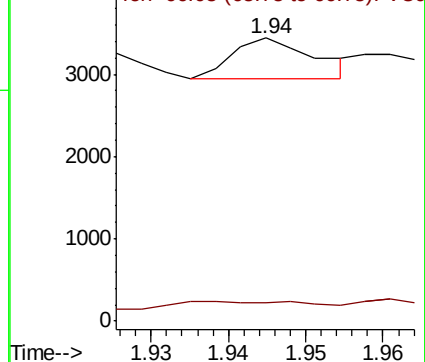
64 100

66 6.5 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040599.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040599.D (-176) (-)



#10

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

Concen: 0.053 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040615.D

Acq: 10 Oct 2020 04:01

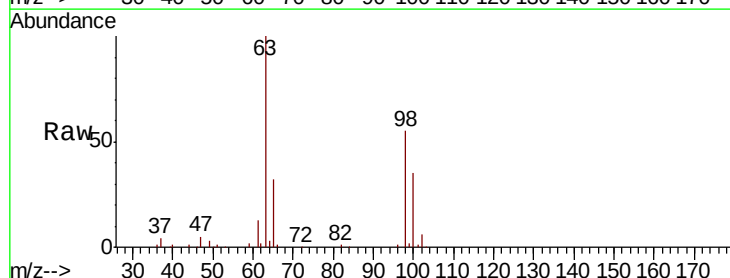
Tgt Ion: 101 Resp: 582

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

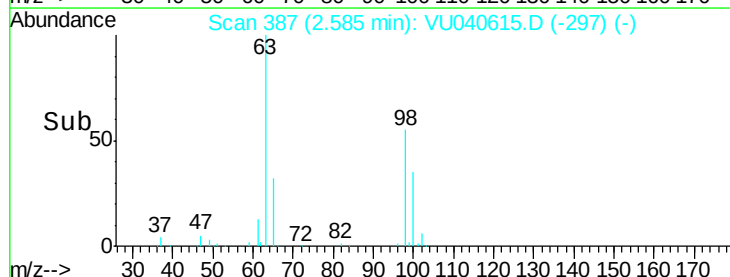
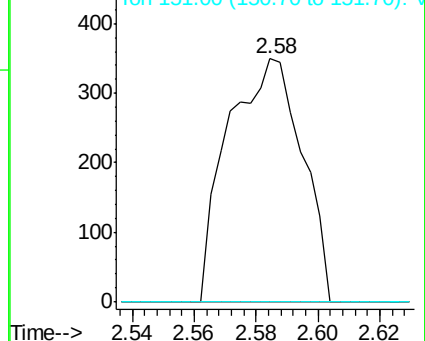
151 0.0 58.0 87.0#

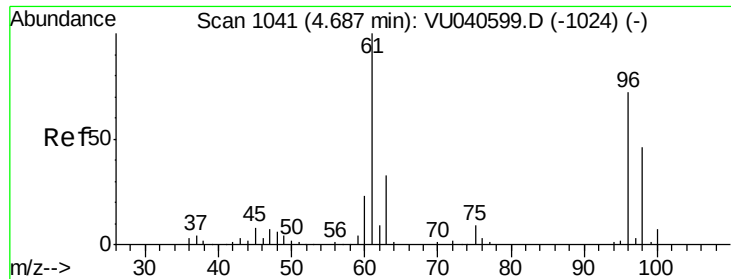


Abundance Ion 101.00 (100.70 to 101.70): VU040599.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU040599.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU040599.D (-376) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.537 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040615.D

Acq: 10 Oct 2020 04:01

Instrument :

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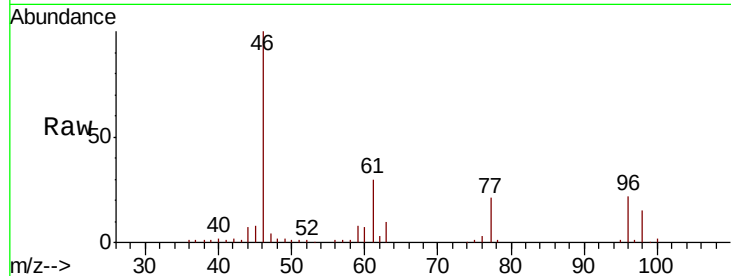
Tot Ion: 96 Resp: 16254

Ion Ratio Lower Upper

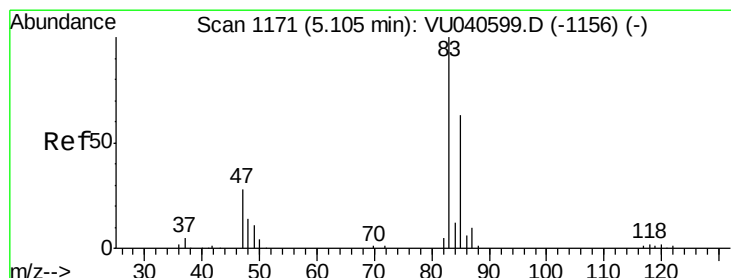
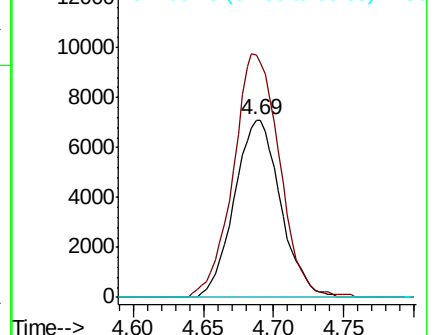
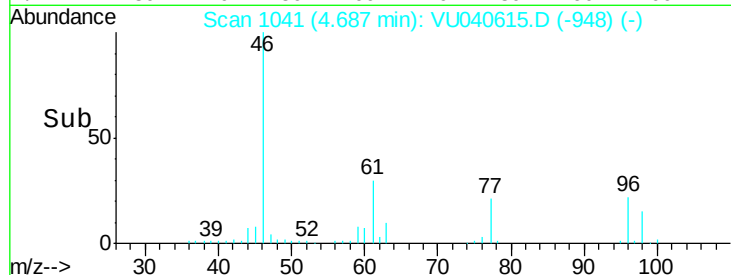
96 100

61 136.4 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040615.D (-948) (-)



#25

Chloroform

Concen: 0.157 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040615.D

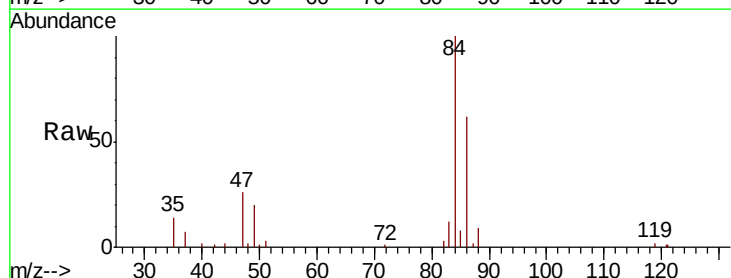
Acq: 10 Oct 2020 04:01

Tgt Ion: 83 Resp: 3247

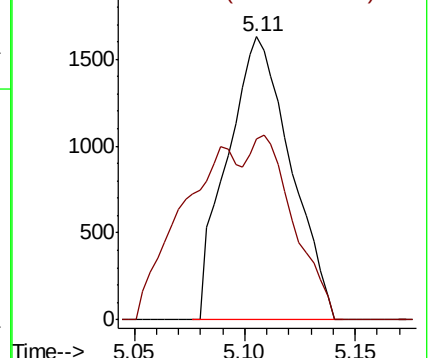
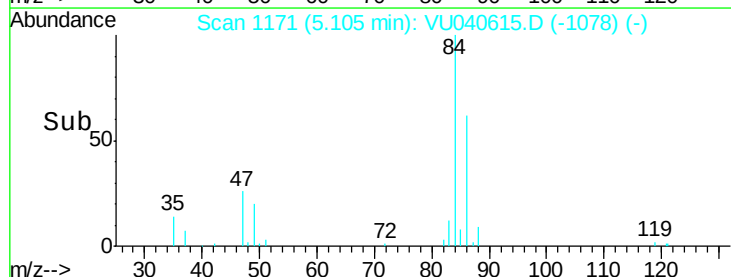
Ion Ratio Lower Upper

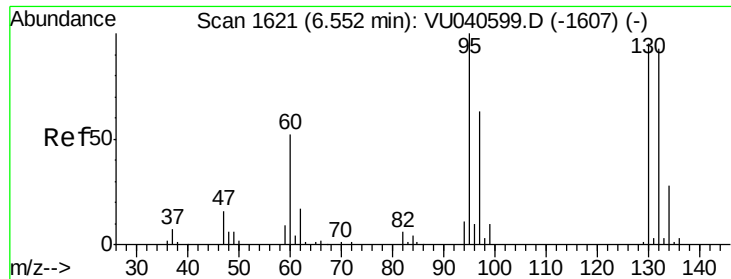
83 100

85 63.8 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040615.D (-1078) (-)

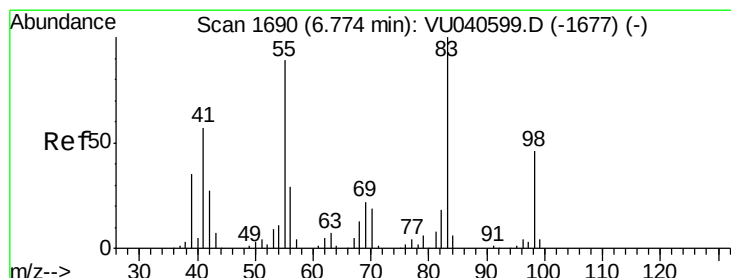
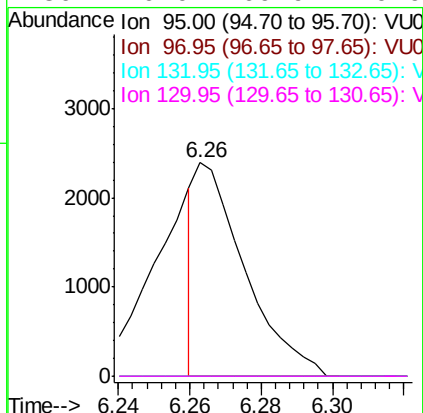
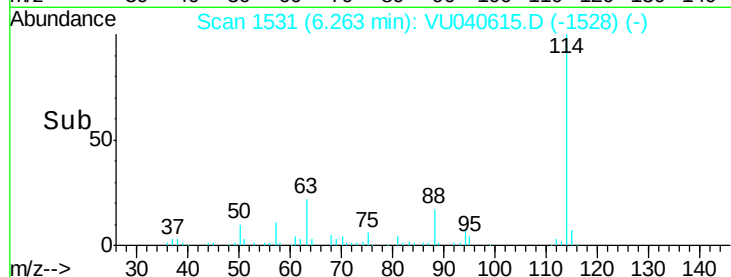
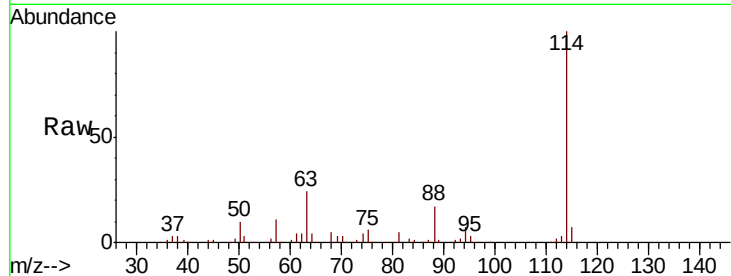




#34
 Trichloroethene
 Concen: 0.202 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

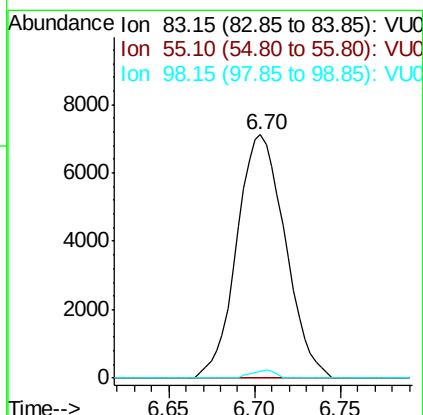
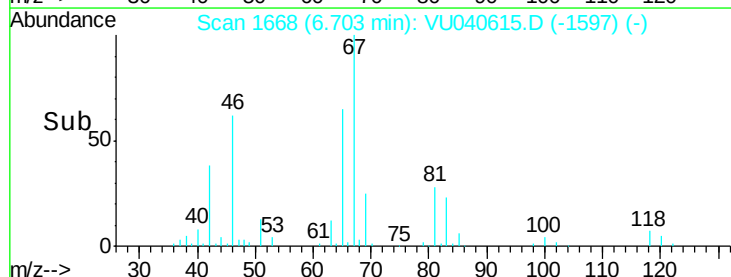
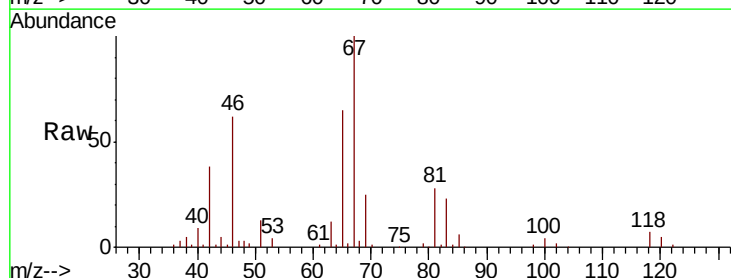
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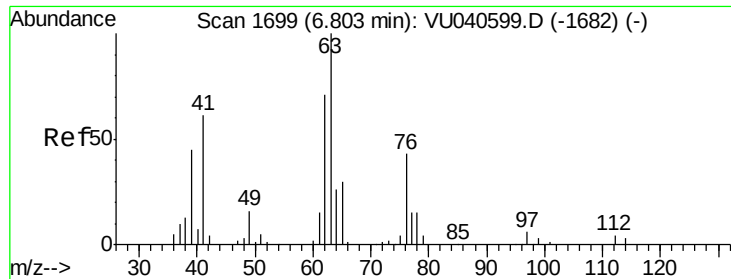
Tot Ion: 95 Resp: 2281
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.5 84.5#
 132 0.0 67.5 125.4#
 130 0.0 69.9 129.9#



#35
 Methylcyclohexane
 Concen: 0.871 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

Tgt Ion: 83 Resp: 13929
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 1.6 38.4 57.6#

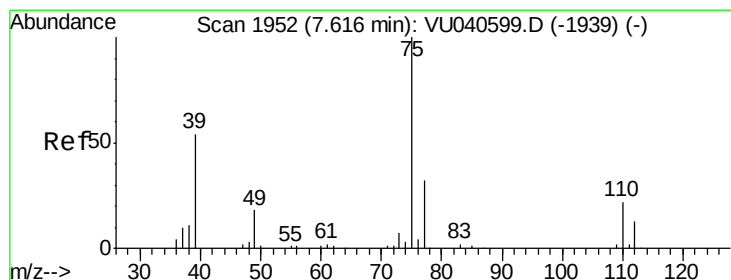
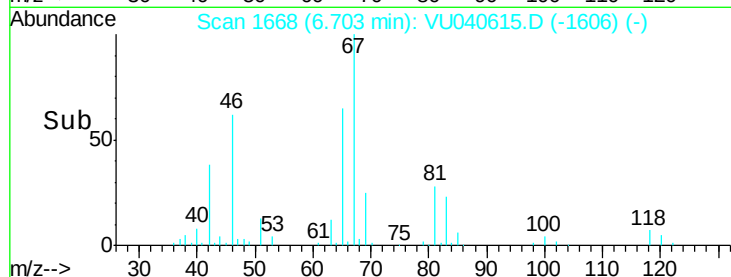
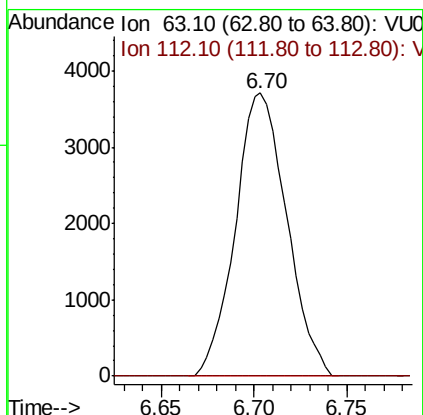
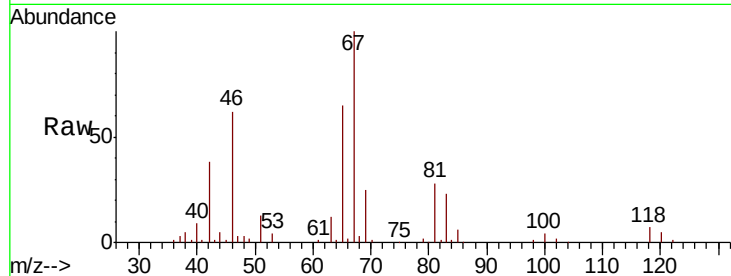




#37
 1,2-Dichloropropane
 Concen: 0.588 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

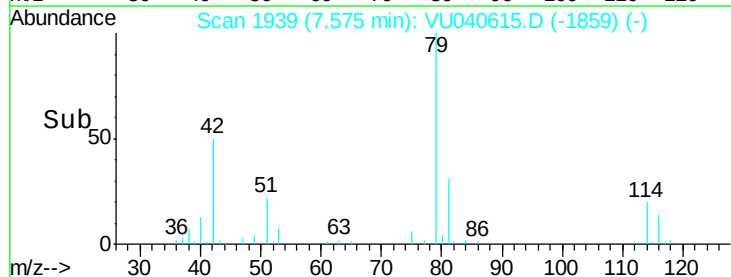
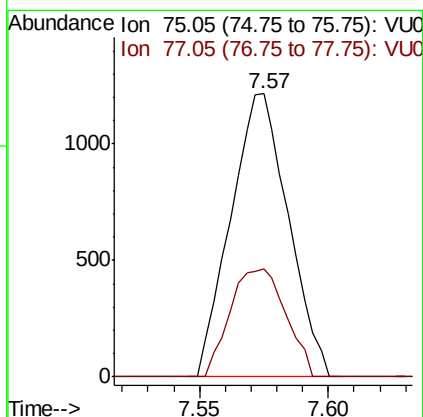
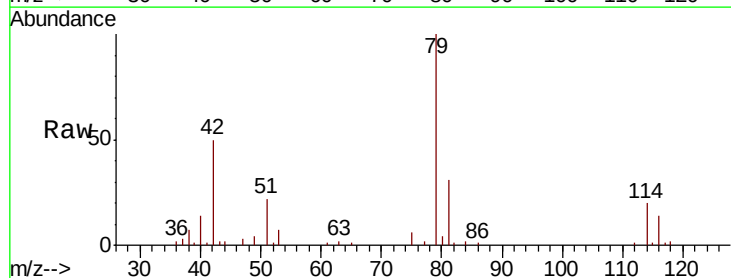
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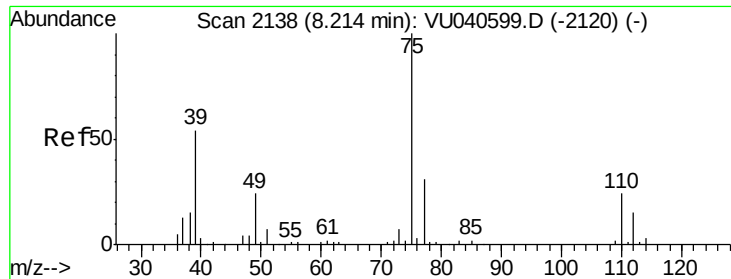
Tot Ion: 63 Resp: 7129
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

Tgt Ion: 75 Resp: 1890
 Ion Ratio Lower Upper
 75 100
 77 38.1 20.5 38.1#

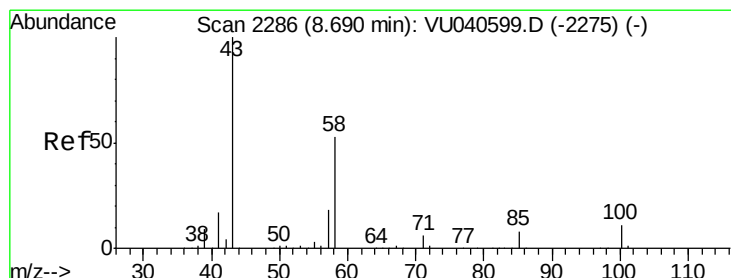
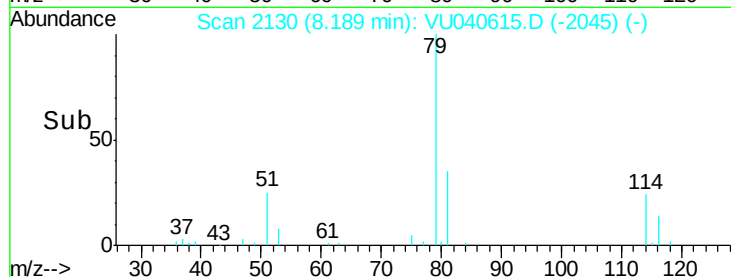
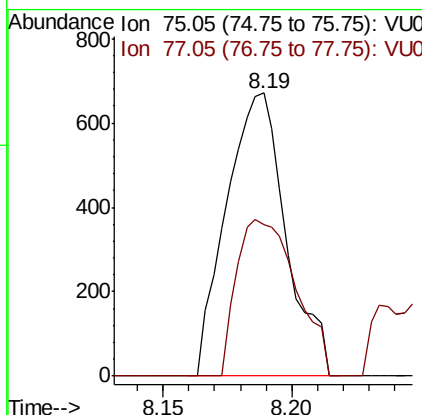
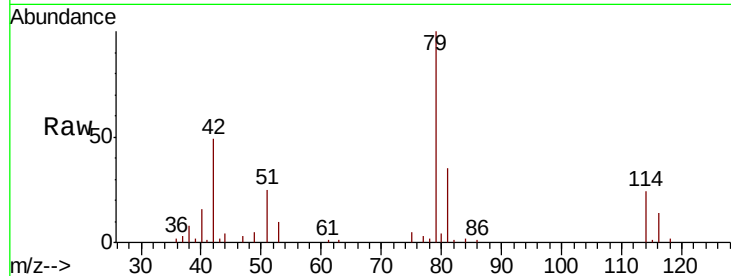




#44
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040615.D
Acq: 10 Oct 2020 04:01

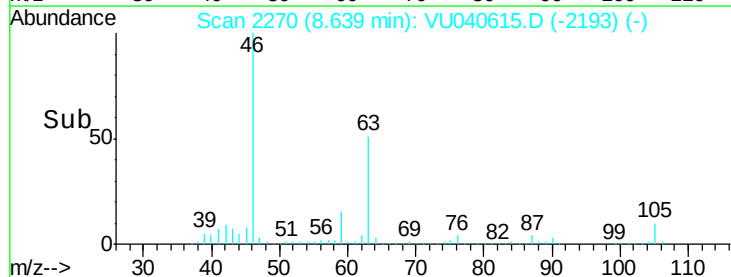
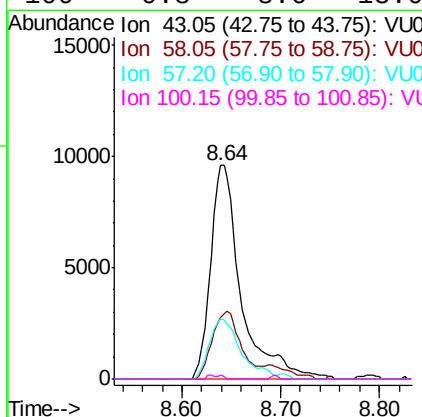
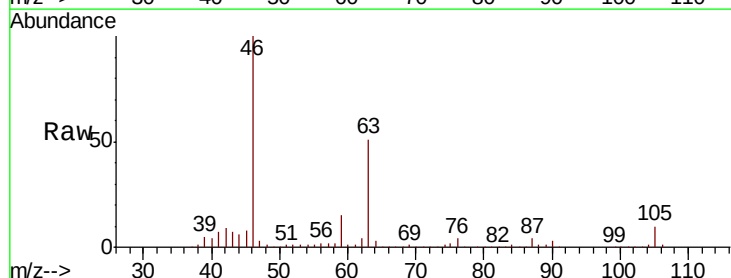
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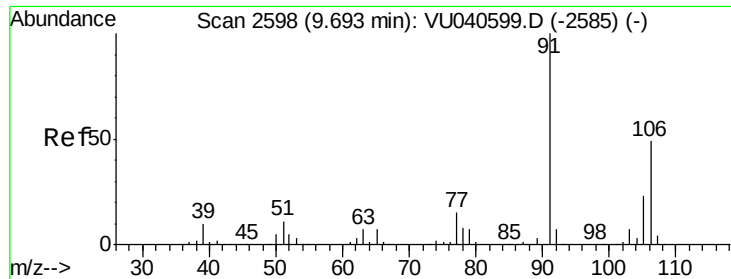
Tot Ion: 75 Resp: 1085
Ion Ratio Lower Upper
75 100
77 53.5 20.4 38.0#



#48
2-Hexanone
Concen: 2.878 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040615.D
Acq: 10 Oct 2020 04:01

Tgt Ion: 43 Resp: 20702
Ion Ratio Lower Upper
43 100
58 29.4 41.0 61.6#
57 28.9 14.4 21.6#
100 0.8 8.6 13.0#

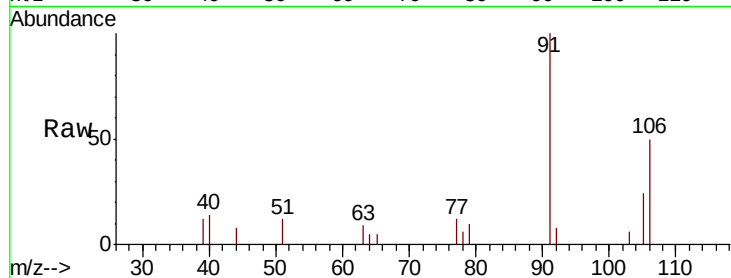




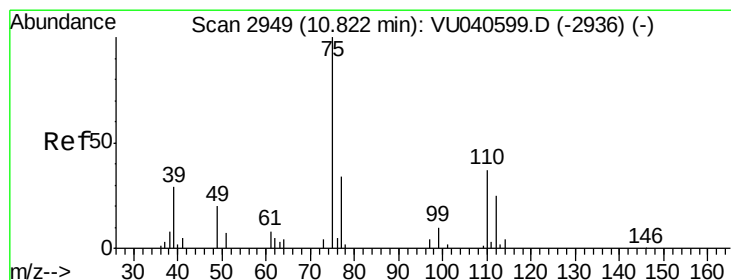
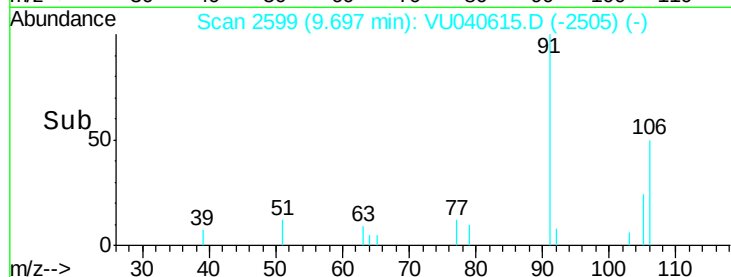
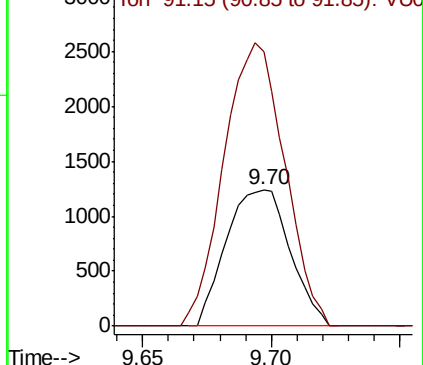
#53
 m,p-Xylene
 Concen: 0.122 ug/L
 RT: 9.70 min Scan# 2599
 Delta R.T. 0.00 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ02

Tot Ion:106 Resp: 2139
 Ion Ratio Lower Upper
 106 100
 91 200.9 148.5 275.7

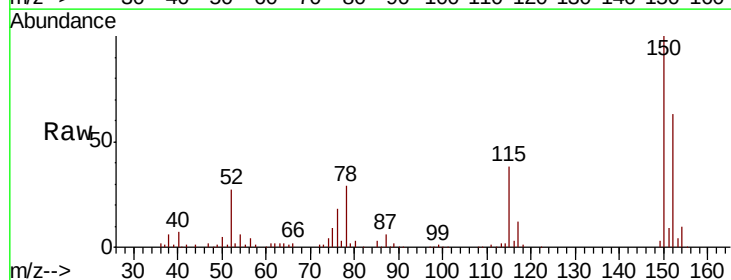


Abundance Ion 106.15 (105.85 to 106.85): VU040599.D (-2585) (-)
 Ion 91.15 (90.85 to 91.85): VU040599.D (-2585) (-)



#59
 1,2,3-Trichloropropane
 Concen: 0.889 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU040615.D
 Acq: 10 Oct 2020 04:01

Tgt Ion: 75 Resp: 7915
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040599.D (-2936) (-)
 Ion 77.00 (76.70 to 77.70): VU040599.D (-2936) (-)

