

Data File : VU035643.D
Acq On : 06 Nov 2019 13:32
Operator : JC/SP
Sample : K5697-10MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0AA7MSD

Quant Time: Nov 07 04:50:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 04:46:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	655918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	628735	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	200850	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	173027	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.32%
7) Chloroethane-d5	1.93	69	159812	37.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.54%
11) 1,1-Dichloroethene-d2	2.60	63	342603	41.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.16%
21) 2-Butanone-d5	4.69	46	286608	92.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.62%
24) Chloroform-d	5.11	84	349183	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.36%
26) 1,2-Dichloroethane-d4	5.75	65	223902	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.34%
32) Benzene-d6	5.77	84	740556	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
36) 1,2-Dichloropropane-d6	6.74	67	248099	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.36%
41) Toluene-d8	7.93	98	676205	43.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.48%
43) trans-1,3-Dichloropropene-	8.21	79	109903	44.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.78%
47) 2-Hexanone-d5	8.68	63	198785	97.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.59%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	333505	44.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.26%
64) 1,2-Dichlorobenzene-d4	12.22	152	191245	47.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.42%

Target Compounds

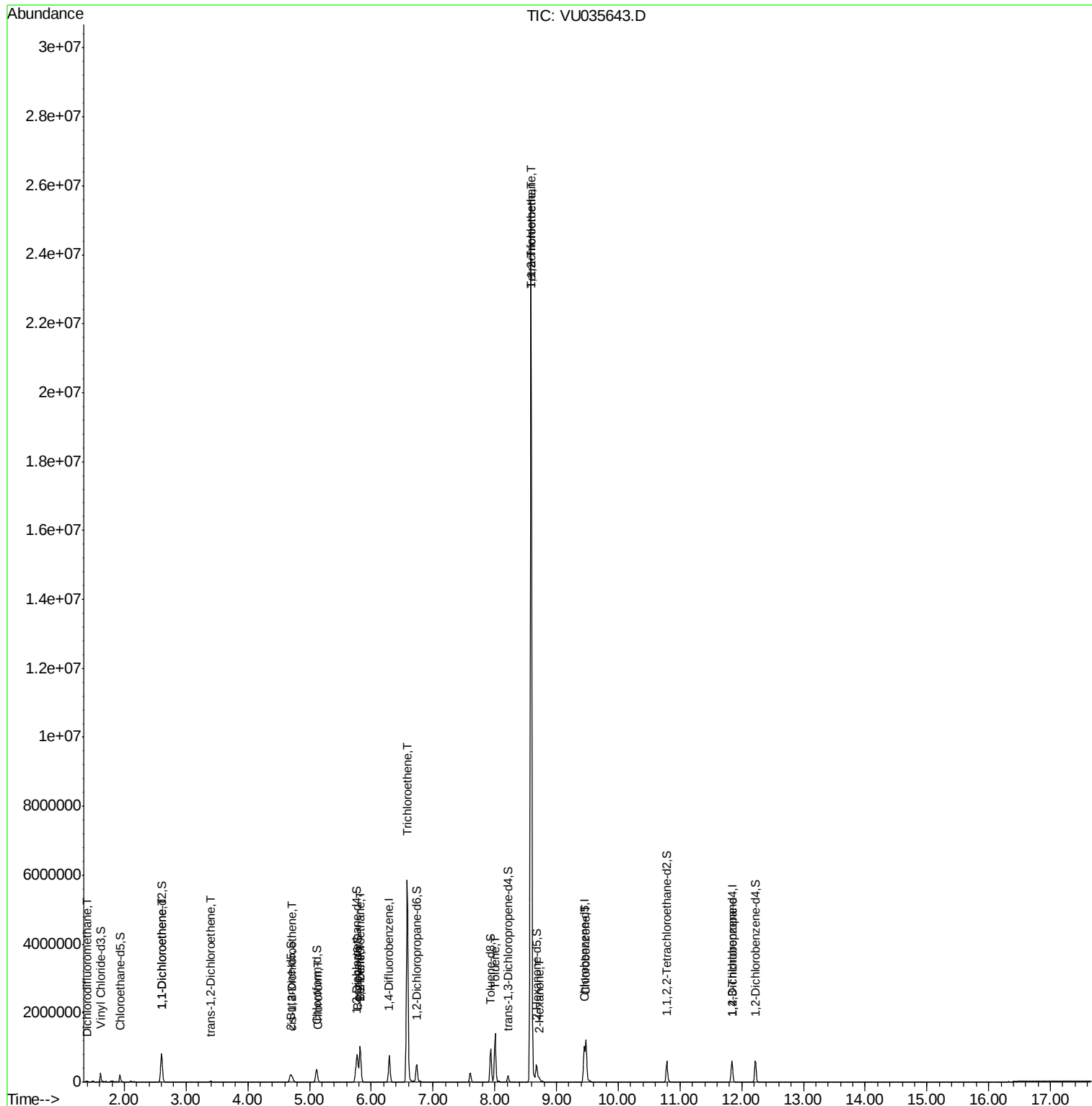
						Qvalue
2) Dichlorodifluoromethane	1.39	85	4538	0.887	ug/L	100
12) 1,1-Dichloroethene	2.61	96	216126	53.941	ug/L	91
17) trans-1,2-Dichloroethene	3.39	96	11977	2.839	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	59041	12.406	ug/L	95
25) Chloroform	5.14	83	7399	0.895	ug/L	91
27) 1,2-Dichloroethane	5.82	62	7661	1.269	ug/L #	73
33) Benzene	5.82	78	1008952	57.099	ug/L	100
34) Trichloroethene	6.58	95	2003050	445.892	ug/L	99
42) Toluene	8.01	91	1077692	58.191	ug/L	99
45) 1,1,2-Trichloroethane	8.59	97	42638	9.401	ug/L #	1
46) Tetrachloroethene	8.59	164	6104227	1625.094	ug/L	99
48) 2-Hexanone	8.73	43	19690	3.825	ug/L #	74
51) Chlorobenzene	9.48	112	693342	56.079	ug/L	99
59) 1,2,3-Trichloropropane	11.84	75	21060	3.413	ug/L	96

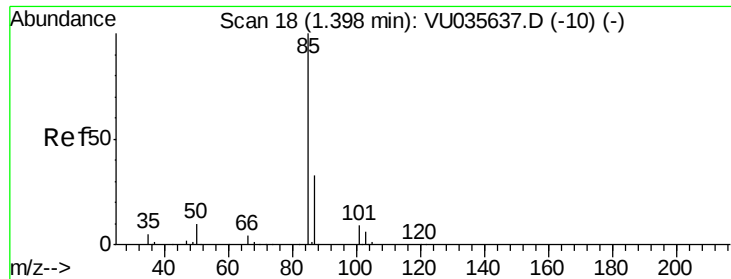
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.887 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

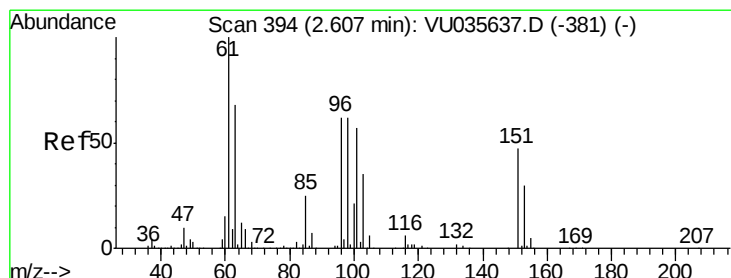
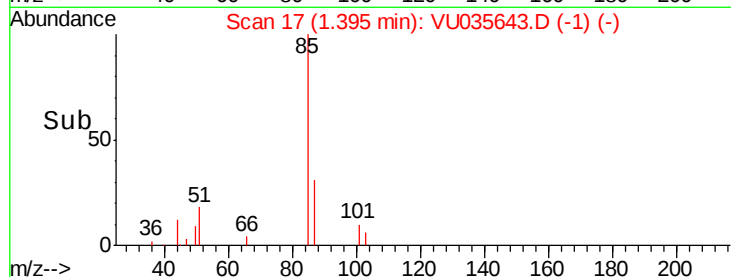
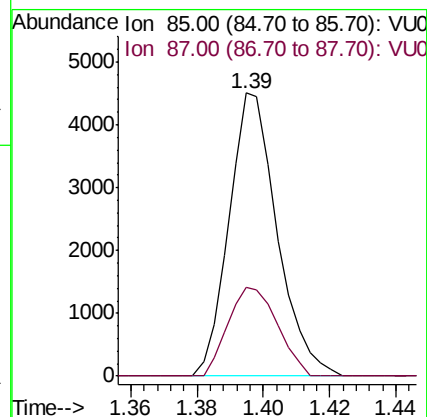
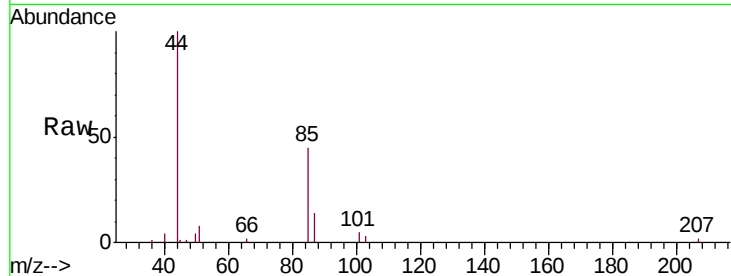
H0AA7MSD

Tgt Ion: 85 Resp: 4538

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#12

1,1-Dichloroethene

Concen: 53.941 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

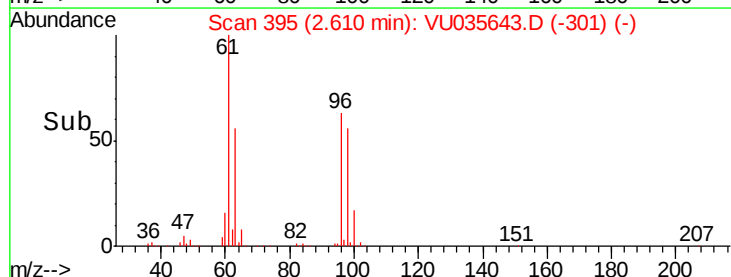
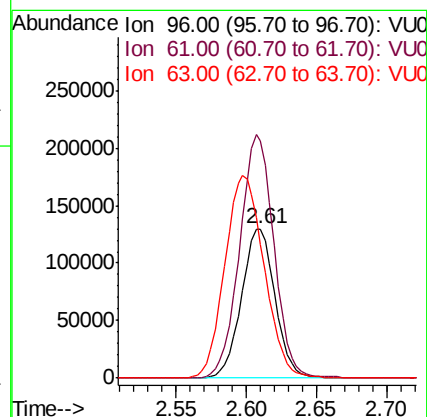
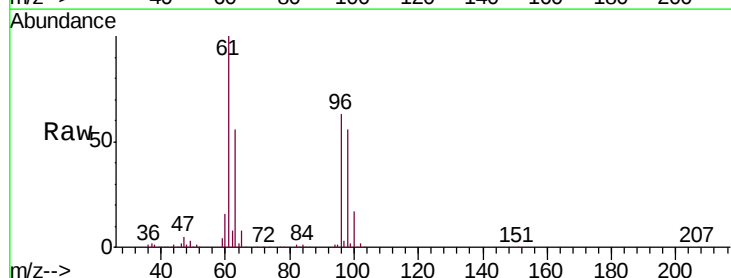
Tgt Ion: 96 Resp: 216126

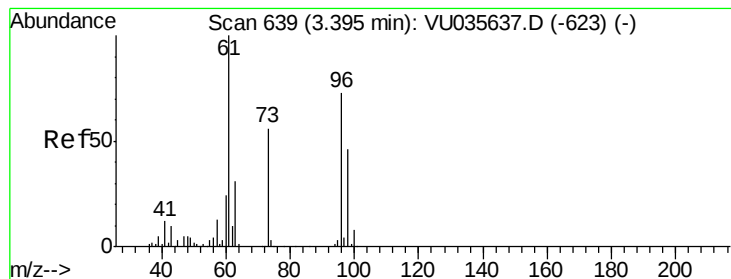
Ion Ratio Lower Upper

96 100

61 158.7 113.1 210.1

63 89.3 76.2 141.4





#17

trans-1,2-Dichloroethene

Concen: 2.839 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Instrument :

MSVOA_U

ClientSampled :

H0AA7MSD

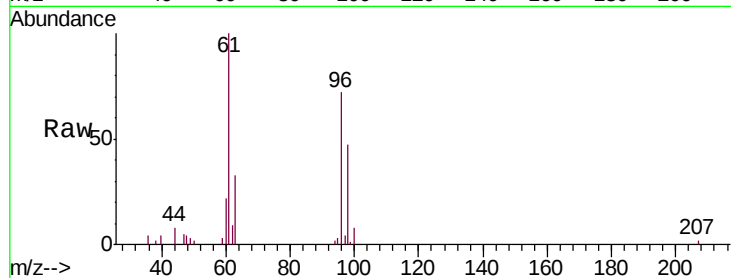
Tgt Ion: 96 Resp: 11977

Ion Ratio Lower Upper

96 100

61 138.5 95.3 176.9

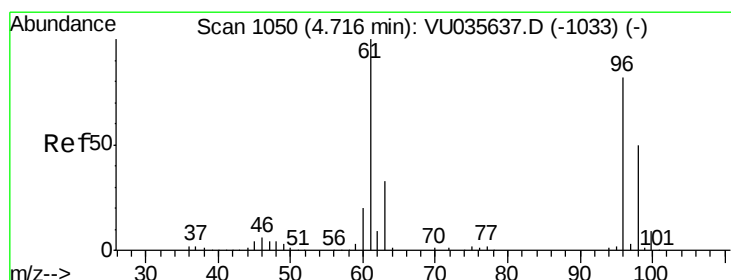
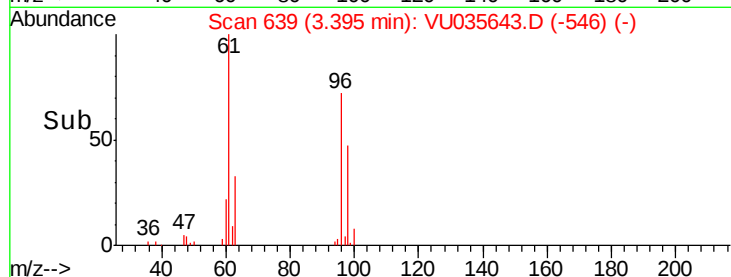
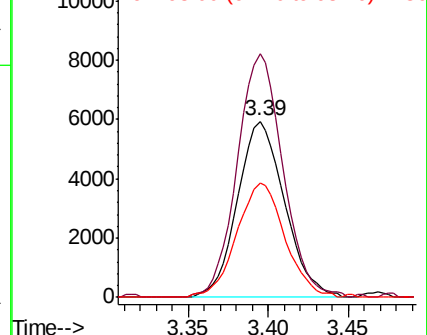
98 64.9 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035637.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU035637.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU035637.D (-623) (-)



#20

cis-1,2-Dichloroethene

Concen: 12.406 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

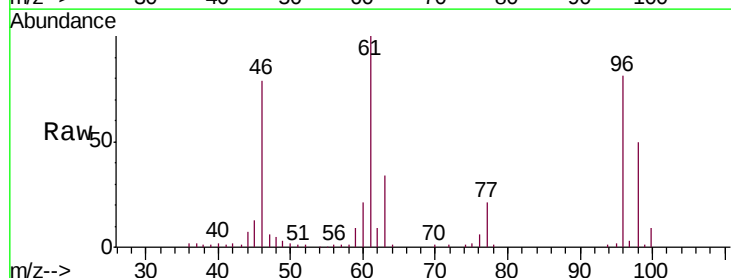
Tgt Ion: 96 Resp: 59041

Ion Ratio Lower Upper

96 100

61 123.2 90.6 168.3

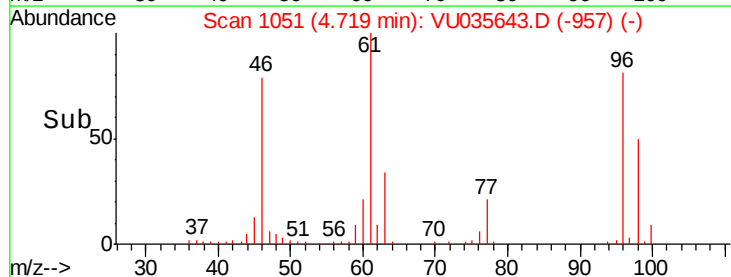
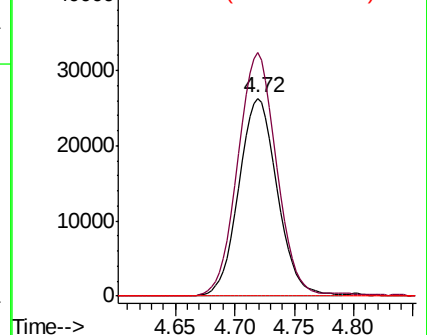
68 0.0 0.0 0.0

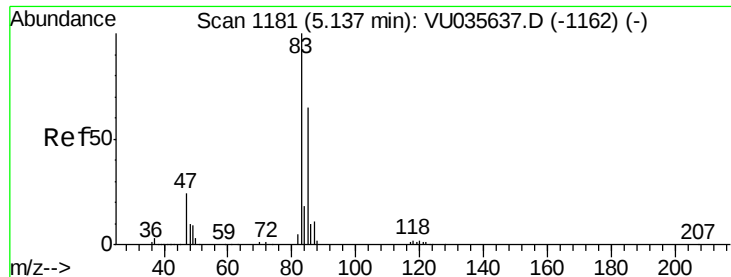


Abundance Ion 96.00 (95.70 to 96.70): VU035637.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU035637.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU035637.D (-1033) (-)

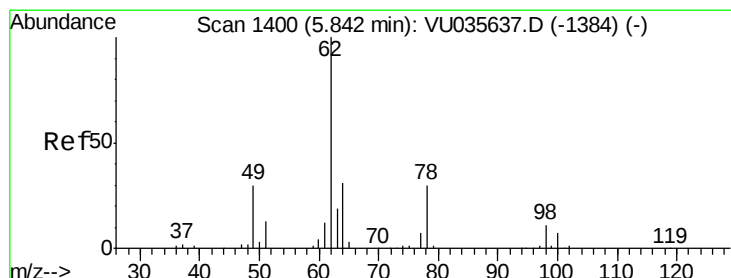
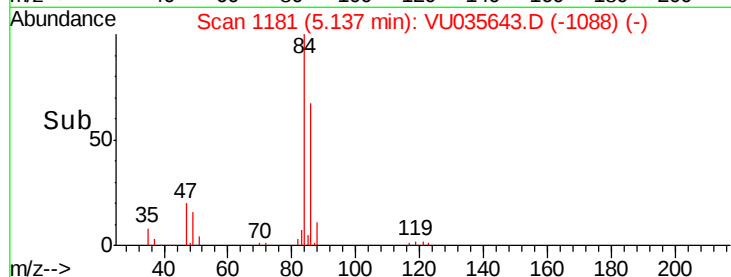
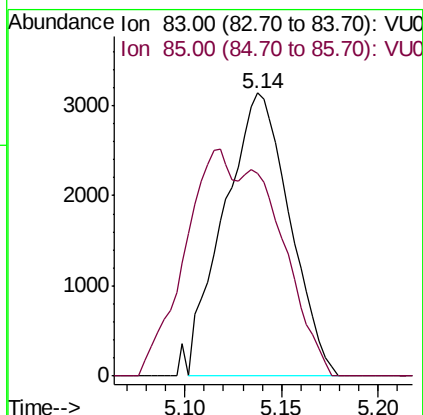
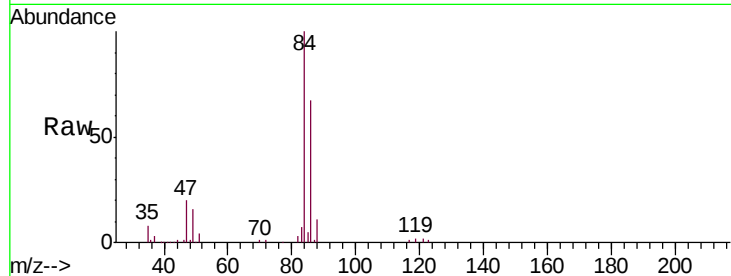




#25
Chloroform
Concen: 0.895 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035643.D
Acq: 06 Nov 2019 13:32

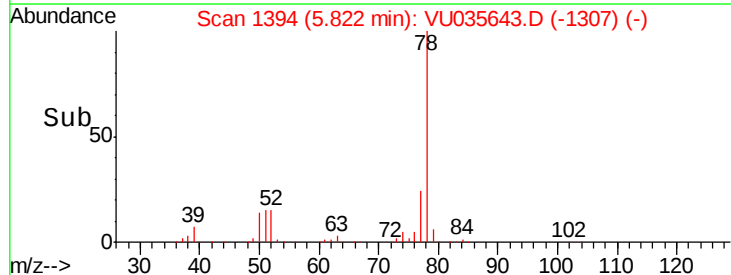
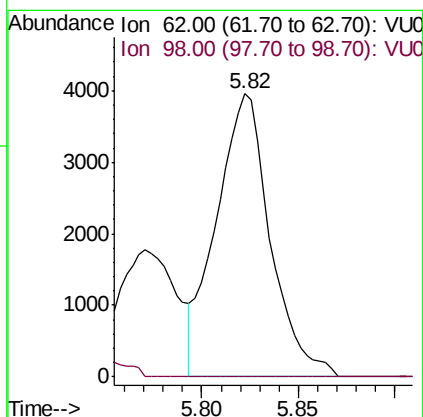
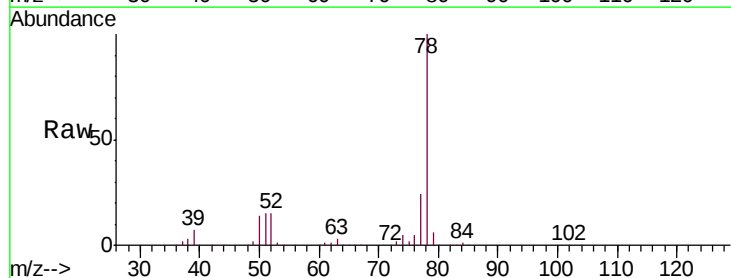
Instrument :
MSVOA_U
ClientSampleId :
H0AA7MSD

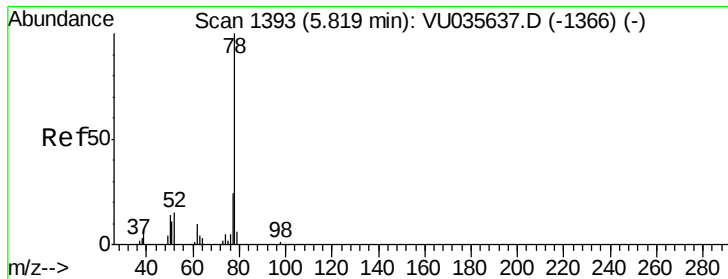
Tgt Ion: 83 Resp: 7399
Ion Ratio Lower Upper
83 100
85 71.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.269 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. -0.02 min
Lab File: VU035643.D
Acq: 06 Nov 2019 13:32

Tgt Ion: 62 Resp: 7661
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#33

Benzene

Concen: 57.099 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

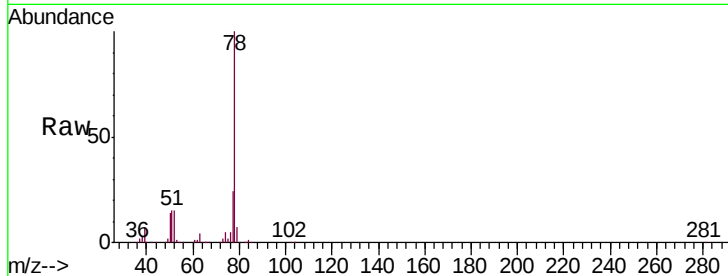
Instrument :

MSVOA_U

ClientSampleId :

H0AA7MSD

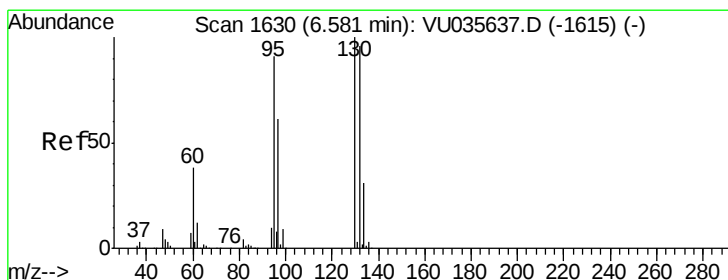
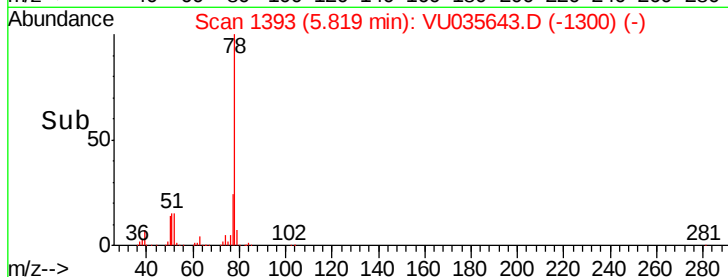
Tgt Ion: 78 Resp: 1008952



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.82

Time-->



#34

Trichloroethene

Concen: 445.892 ug/L

RT: 6.58 min Scan# 1631

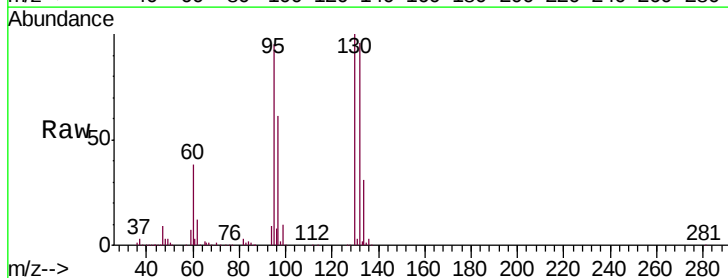
Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Tgt Ion: 95 Resp: 2003050

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	101.3	69.9	129.7
130	105.8	73.1	135.7



Abundance Ion 95.00 (94.70 to 95.70): VU0

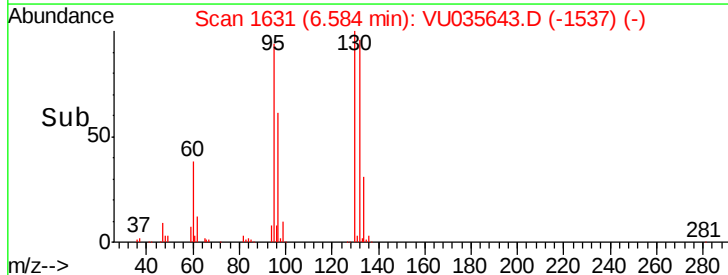
Ion 97.00 (96.70 to 97.70): VU0

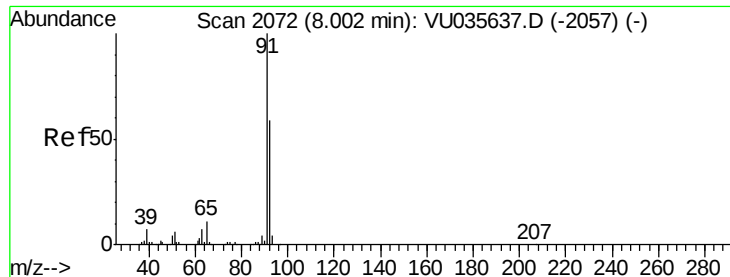
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

6.58

Time-->





#42

Toluene

Concen: 58.191 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

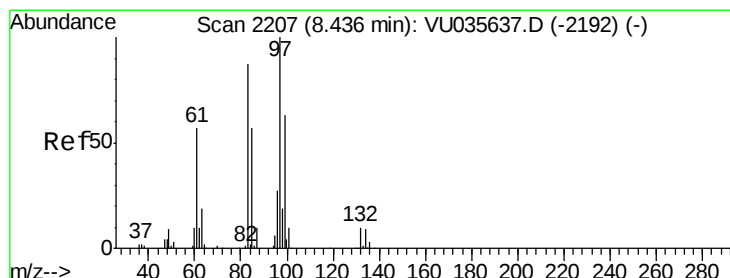
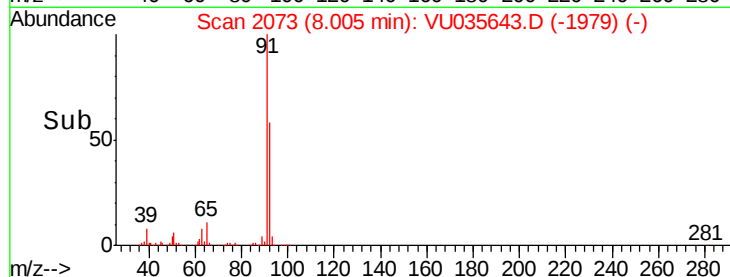
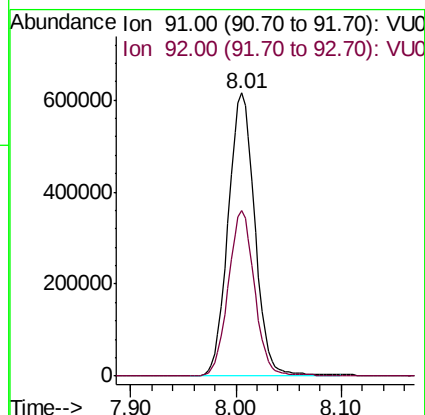
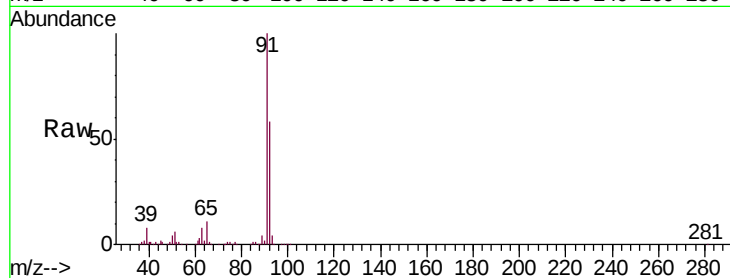
H0AA7MSD

Tgt Ion: 91 Resp: 1077692

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#45

1,1,2-Trichloroethane

Concen: 9.401 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.15 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Tgt Ion: 97 Resp: 42638

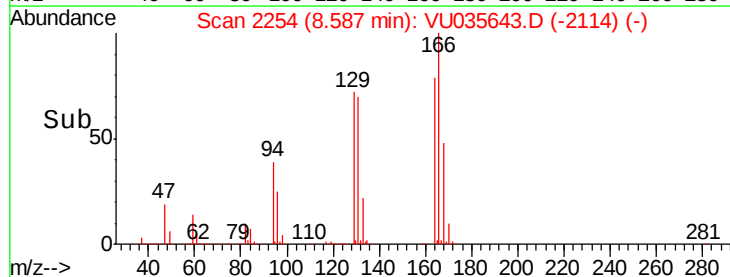
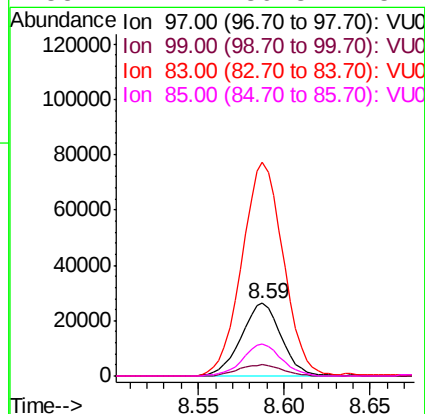
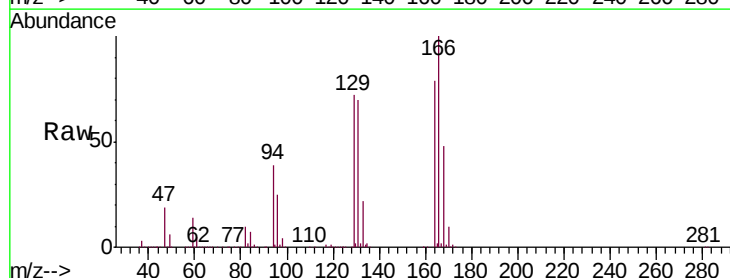
Ion Ratio Lower Upper

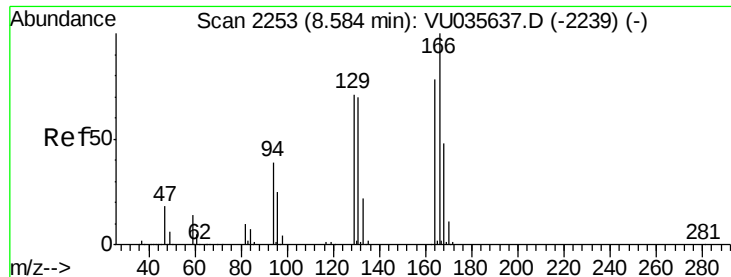
97 100

99 15.1 44.2 82.2#

83 293.4 61.5 114.3#

85 44.1 39.3 73.1





#46

Tetrachloroethene

Concen: 1625.094 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

H0AA7MSD

Tgt Ion:164 Resp: 6104227

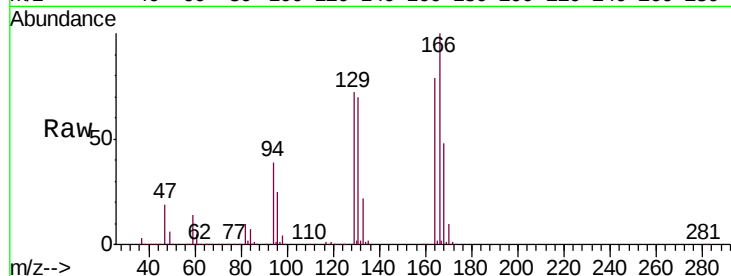
Ion Ratio Lower Upper

164 100

129 91.0 64.1 119.1

131 88.5 63.1 117.1

166 126.0 88.5 164.3

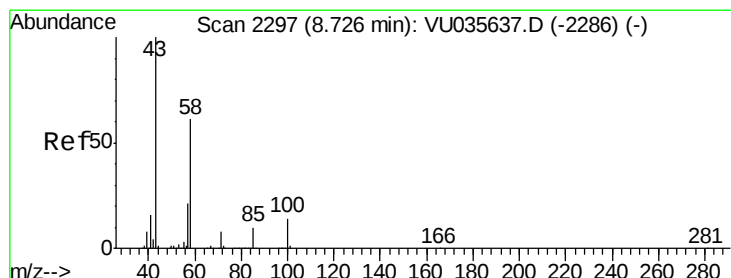
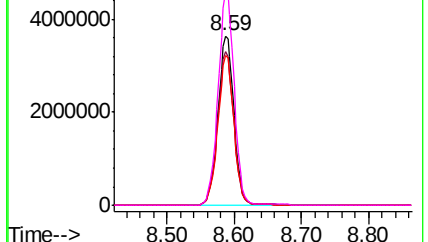
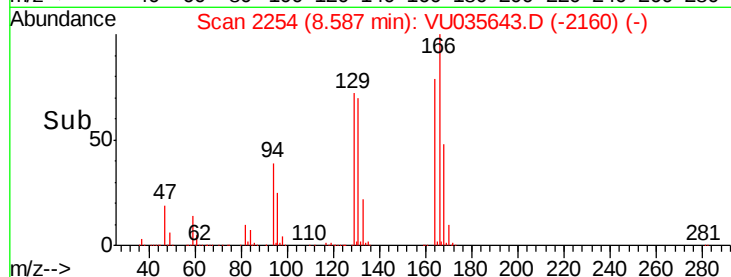


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 3.825 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. 0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Tgt Ion: 43 Resp: 19690

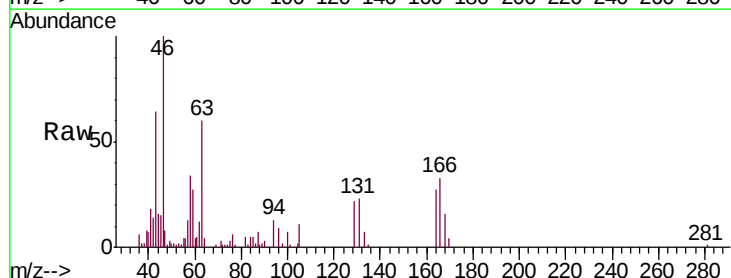
Ion Ratio Lower Upper

43 100

58 36.7 50.4 75.6#

57 15.5 17.4 26.0#

100 7.7 10.5 15.7#

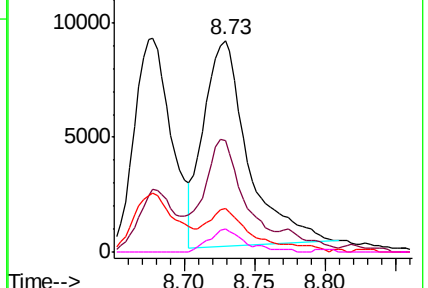
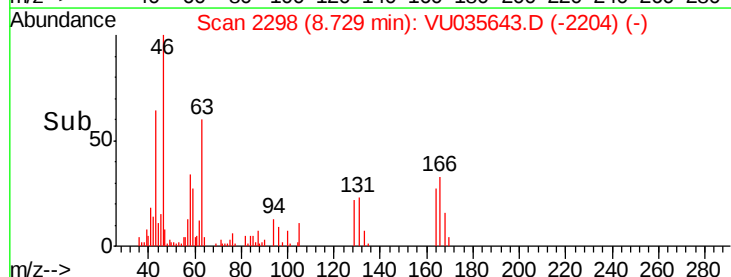


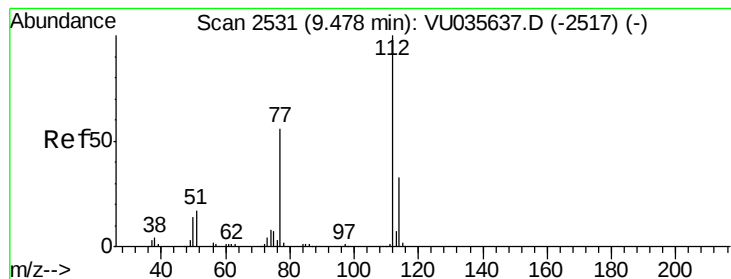
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 56.079 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035643.D

Acq: 06 Nov 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

H0AA7MSD

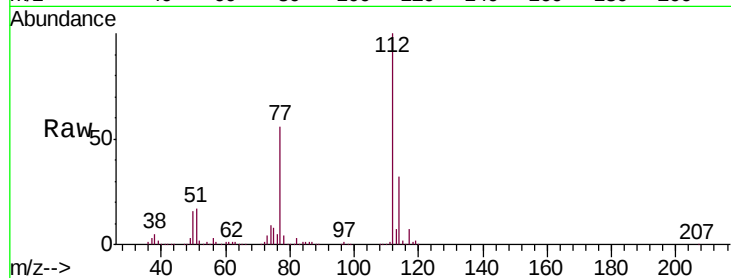
Tgt Ion: 112 Resp: 693342

Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

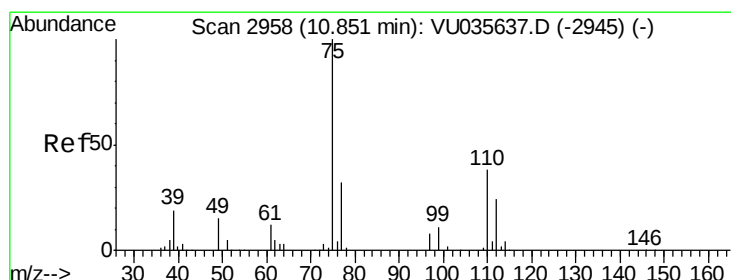
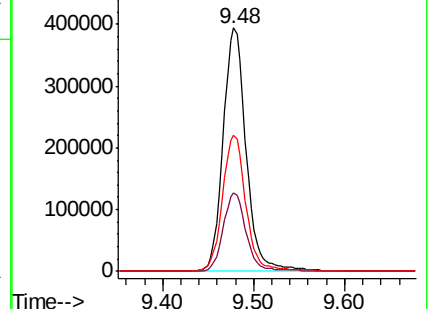
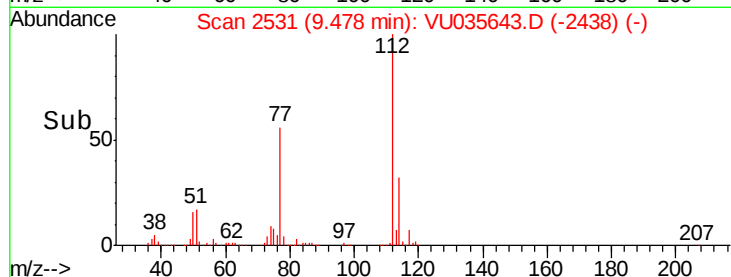
77 56.1 45.9 68.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 3.413 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035643.D

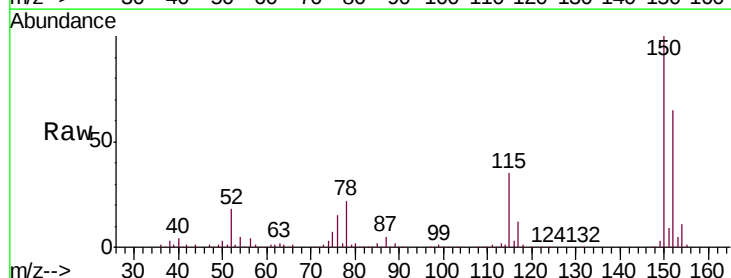
Acq: 06 Nov 2019 13:32

Tgt Ion: 75 Resp: 21060

Ion Ratio Lower Upper

75 100

77 34.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

