

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031598.D
 Acq On : 29 Apr 2019 19:47
 Operator : JC/SP
 Sample : K2536-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X10

Quant Time: Apr 30 02:00:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	658670	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	646406	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	239405	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	285360	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.54%
7) Chloroethane-d5	1.68	69	237508	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.50%
11) 1,1-Dichloroethene-d2	2.27	63	441018	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.34%
21) 2-Butanone-d5	4.18	46	596727	119.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.47%
24) Chloroform-d	4.64	84	532433	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	5.31	65	369791	56.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.12%
32) Benzene-d6	5.34	84	1036956	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
36) 1,2-Dichloropropane-d6	6.32	67	379426	54.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.66%
41) Toluene-d8	7.56	98	857457	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.85	79	138750	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.31	63	332486	110.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	478717	51.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	273252	54.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.54%

Target Compounds

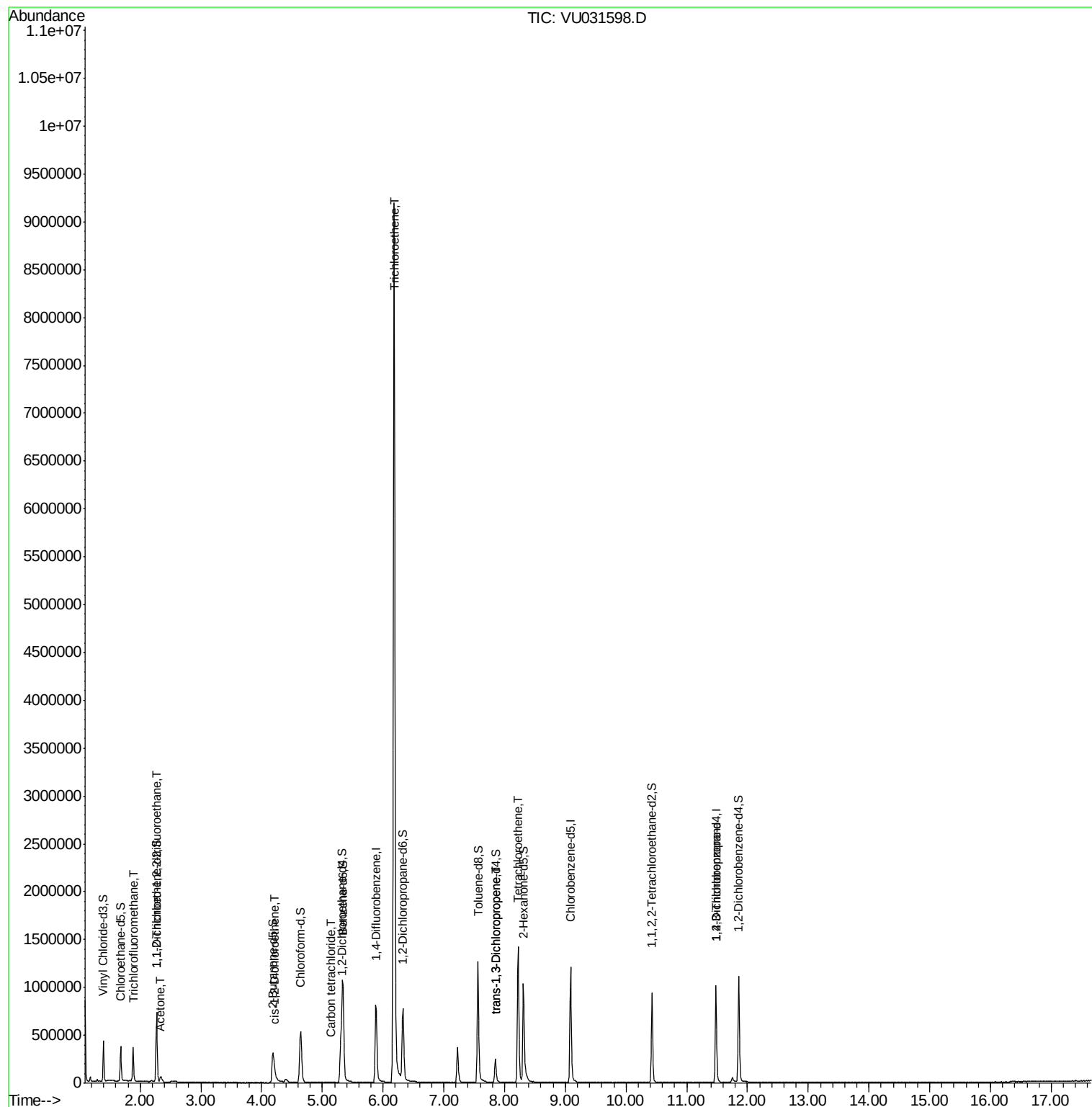
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	1.88	101	204769	21.924	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3201	0.606	ug/L #	23
13) Acetone	2.34	43	86548	15.383	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	3432	0.597	ug/L	78
31) Carbon tetrachloride	5.13	117	4460	0.576	ug/L	90
34) Trichloroethene	6.18	95	3366724	584.410	ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	5502	0.680	ug/L #	66
46) Tetrachloroethene	8.22	164	310085	78.954	ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	34972	4.372	ug/L	91

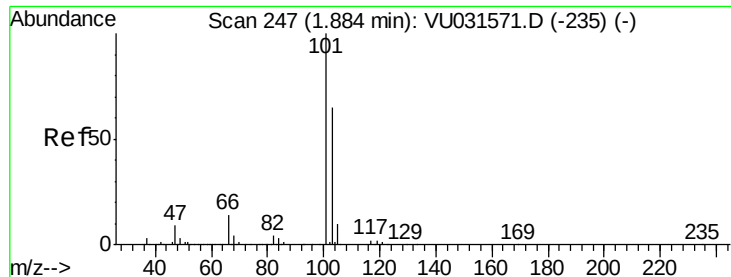
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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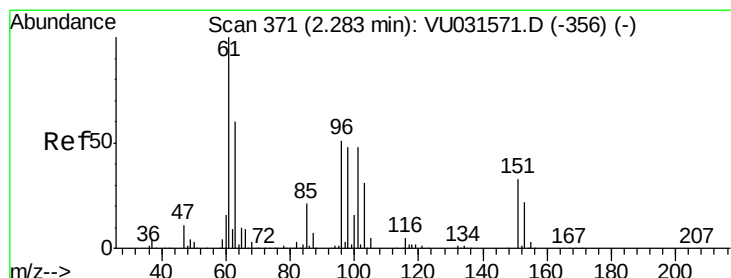
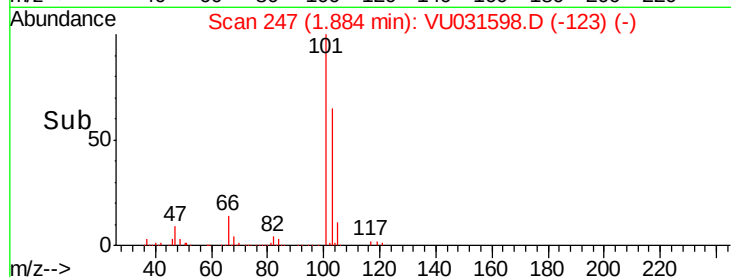
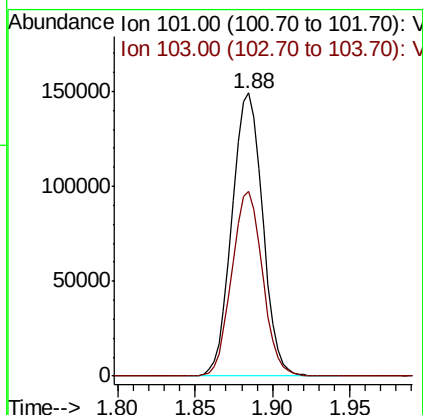
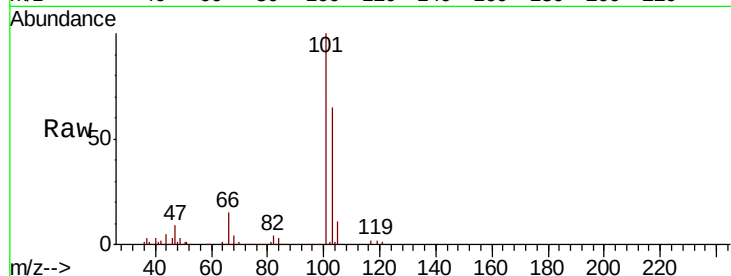


#9

Trichlorofluoromethane
 Concen: 21.924 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031598.D
 Acq: 29 Apr 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X10

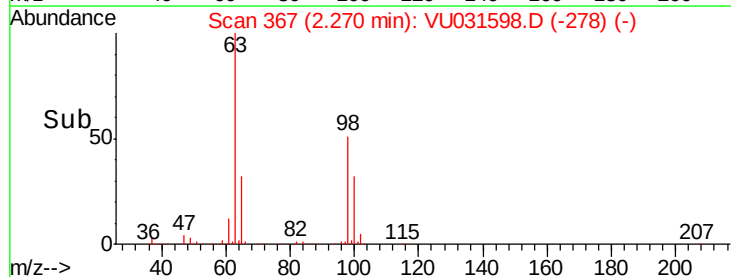
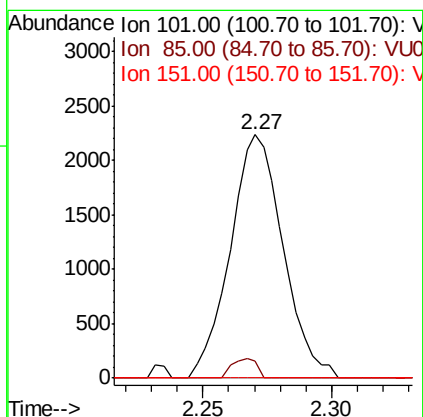
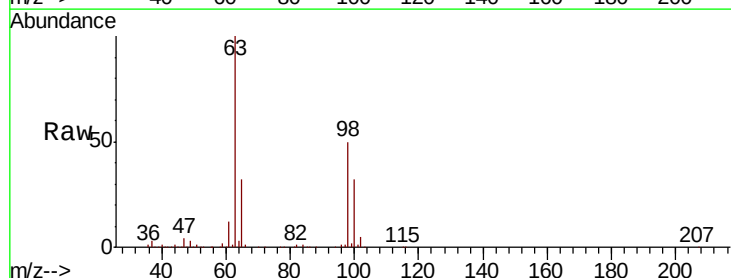
Tgt Ion:101 Resp: 204769
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.8 76.2

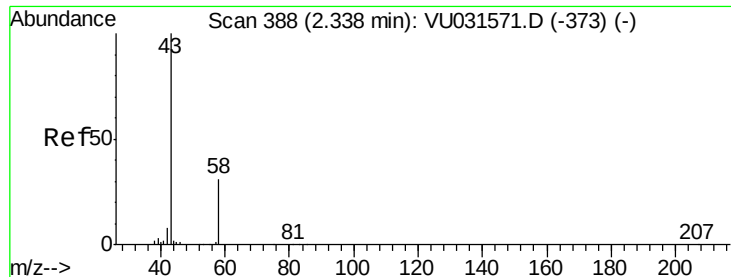


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.606 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031598.D
 Acq: 29 Apr 2019 19:47

Tgt Ion:101 Resp: 3201
 Ion Ratio Lower Upper
 101 100
 85 3.7 36.1 54.1#
 151 0.0 56.1 84.1#





#13

Acetone

Concen: 15.383 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

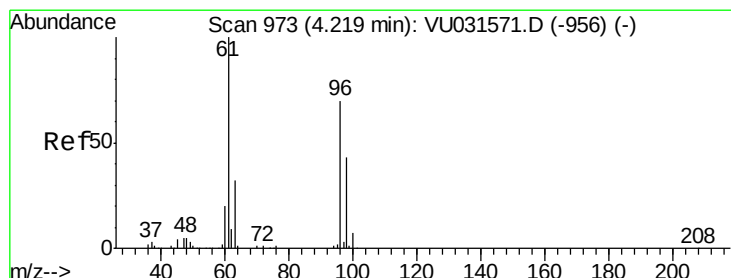
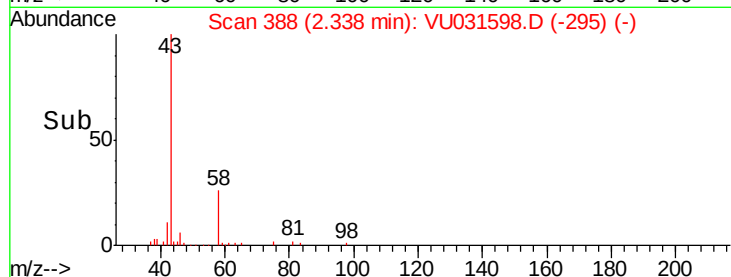
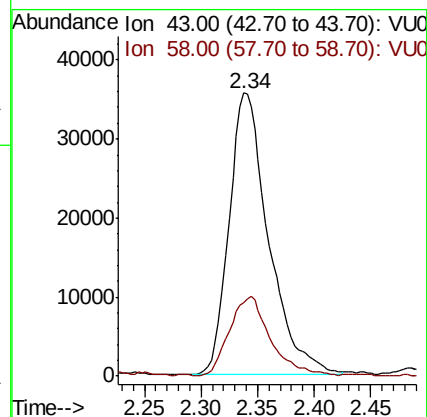
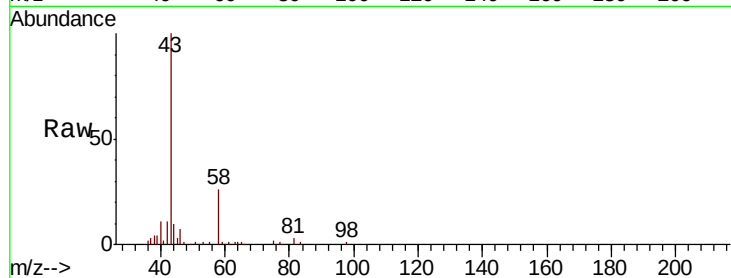
C0X10

Tgt Ion: 43 Resp: 86548

Ion Ratio Lower Upper

43 100

58 29.7 0.0 64.4



#20

cis-1,2-Dichloroethene

Concen: 0.597 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

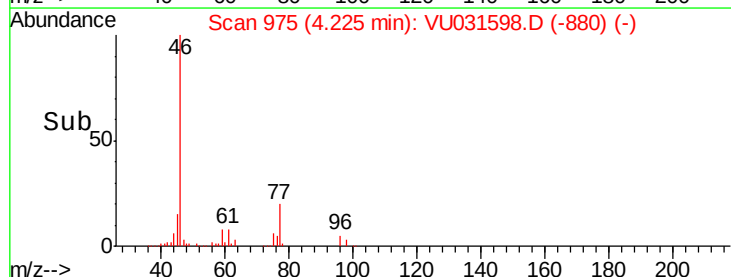
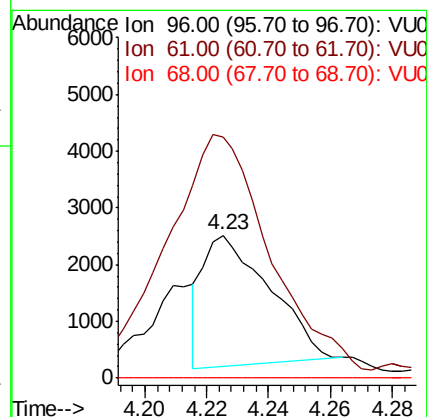
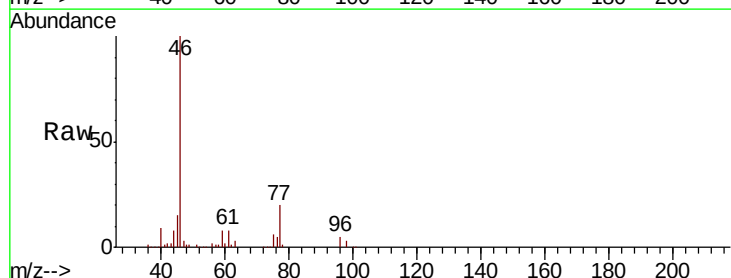
Tgt Ion: 96 Resp: 3432

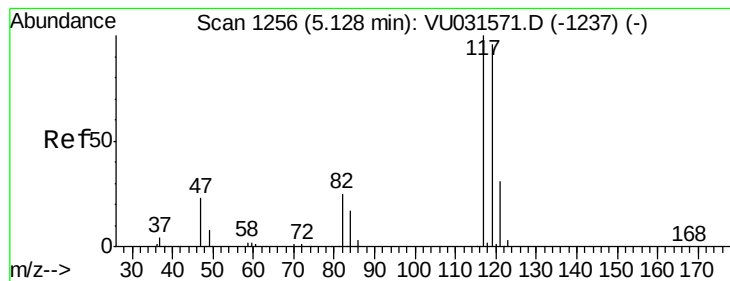
Ion Ratio Lower Upper

96 100

61 169.6 99.5 184.7

68 0.0 0.0 0.0





#31

Carbon tetrachloride

Concen: 0.576 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampled :

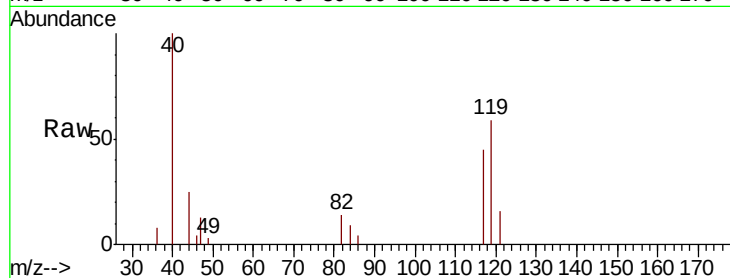
C0X10

Tgt Ion: 117 Resp: 4460

Ion Ratio Lower Upper

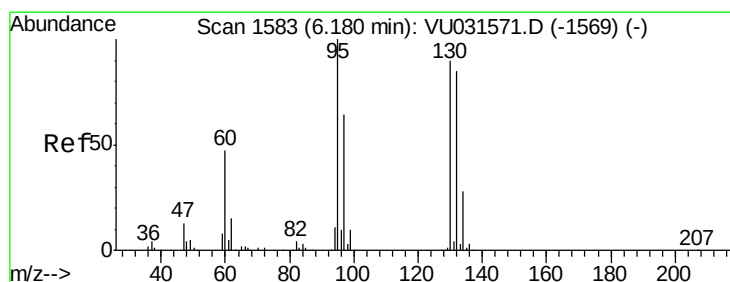
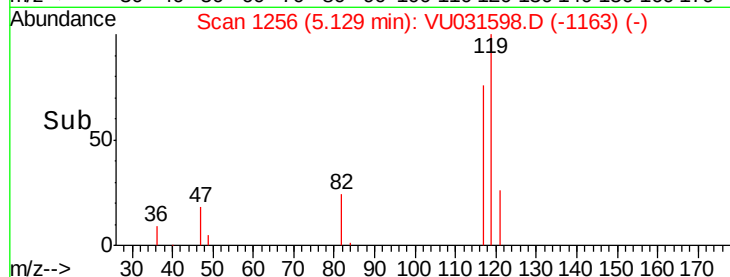
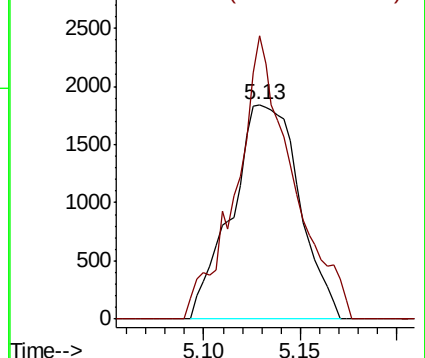
117 100

119 105.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 584.410 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Tgt Ion: 95 Resp: 3366724

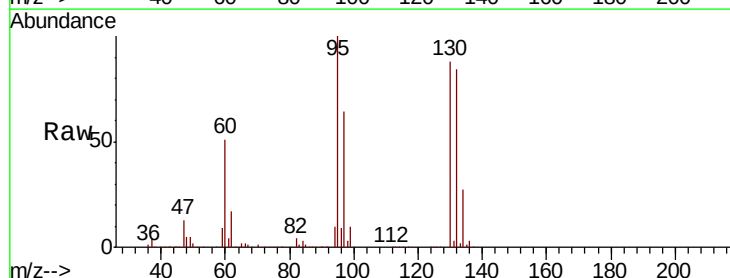
Ion Ratio Lower Upper

95 100

97 63.7 44.8 83.2

132 83.8 63.1 117.1

130 88.1 66.5 123.5

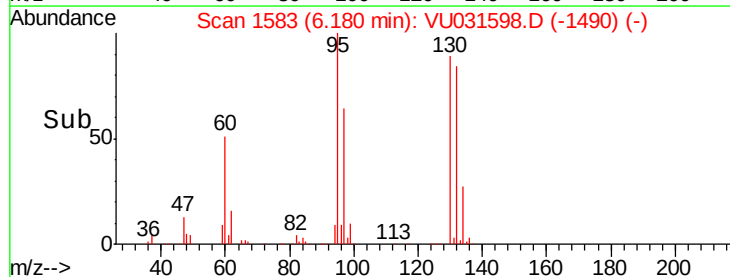
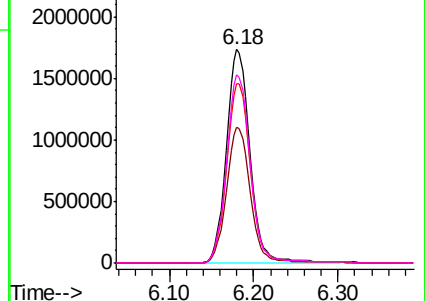


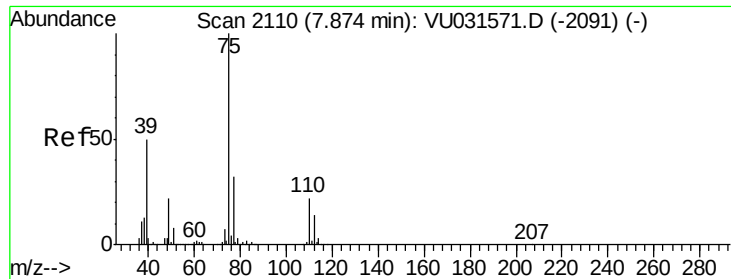
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#44

trans-1,3-Dichloropropene

Concen: 0.680 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

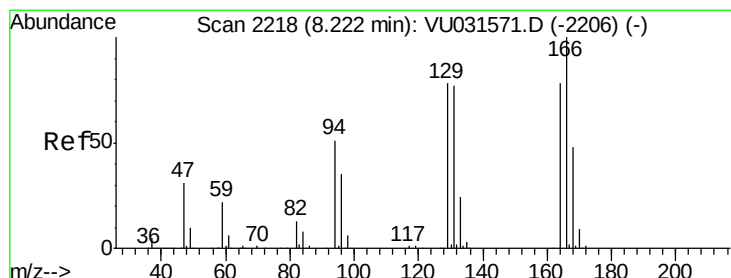
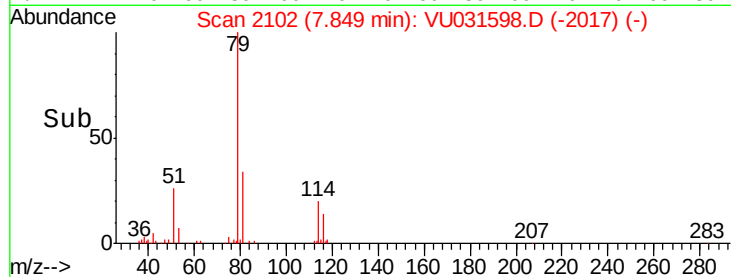
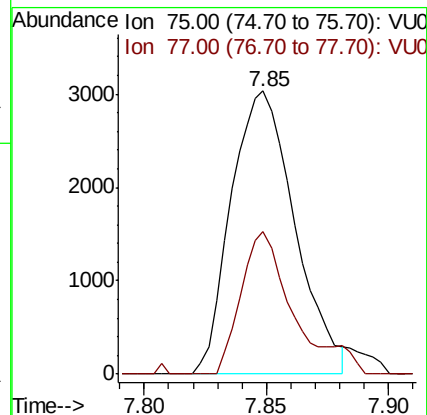
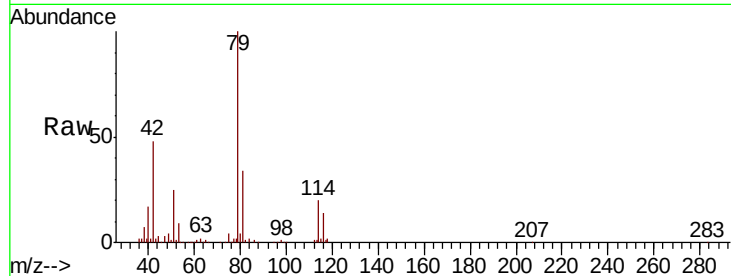
C0X10

Tgt Ion: 75 Resp: 5502

Ion Ratio Lower Upper

75 100

77 50.2 22.1 41.1#



#46

Tetrachloroethene

Concen: 78.954 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Tgt Ion: 164 Resp: 310085

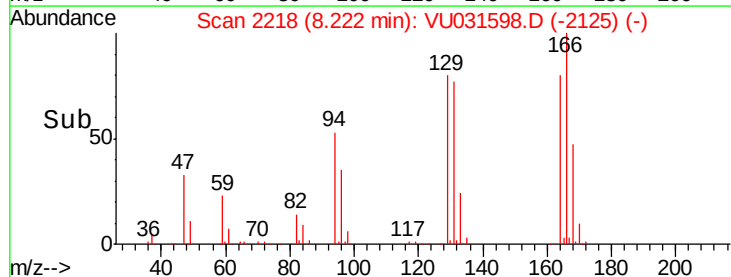
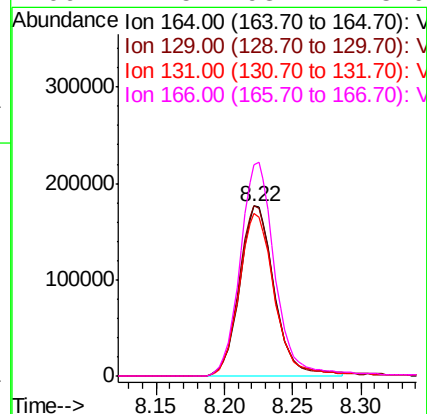
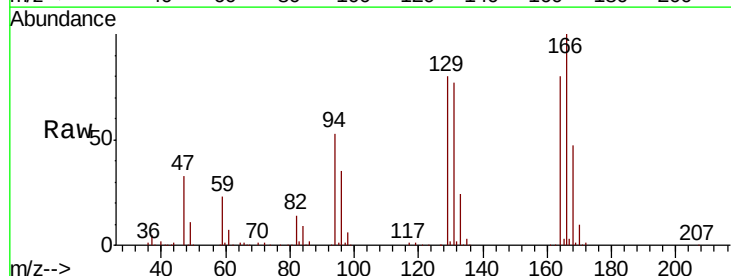
Ion Ratio Lower Upper

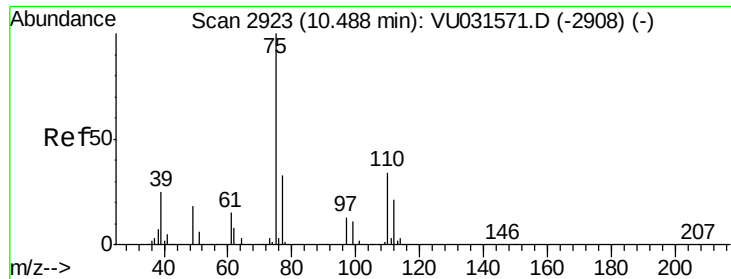
164 100

129 100.1 71.5 132.9

131 95.7 69.0 128.2

166 124.5 93.7 173.9





#59

1,2,3-Trichloropropane

Concen: 4.372 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031598.D

Acq: 29 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

C0X10

Tgt Ion: 75 Resp: 34972

Ion Ratio Lower Upper

75 100

77 37.2 25.9 38.9

