

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031595.D
 Acq On : 29 Apr 2019 18:38
 Operator : JC/SP
 Sample : K2586-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X65

Quant Time: Apr 30 01:59:52 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	648179	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	646063	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	238852	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	289671	53.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.80%
7) Chloroethane-d5	1.68	69	230773	55.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.10%
11) 1,1-Dichloroethene-d2	2.27	63	439043	40.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.28%
21) 2-Butanone-d5	4.18	46	596279	121.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.32%
24) Chloroform-d	4.64	84	534803	53.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.66%
26) 1,2-Dichloroethane-d4	5.31	65	376864	58.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.12%
32) Benzene-d6	5.34	84	1046518	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
36) 1,2-Dichloropropane-d6	6.32	67	381320	54.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.26%
41) Toluene-d8	7.56	98	844472	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	145414	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.06%
47) 2-Hexanone-d5	8.31	63	323867	107.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	488330	52.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	278444	55.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.86%

Target Compounds

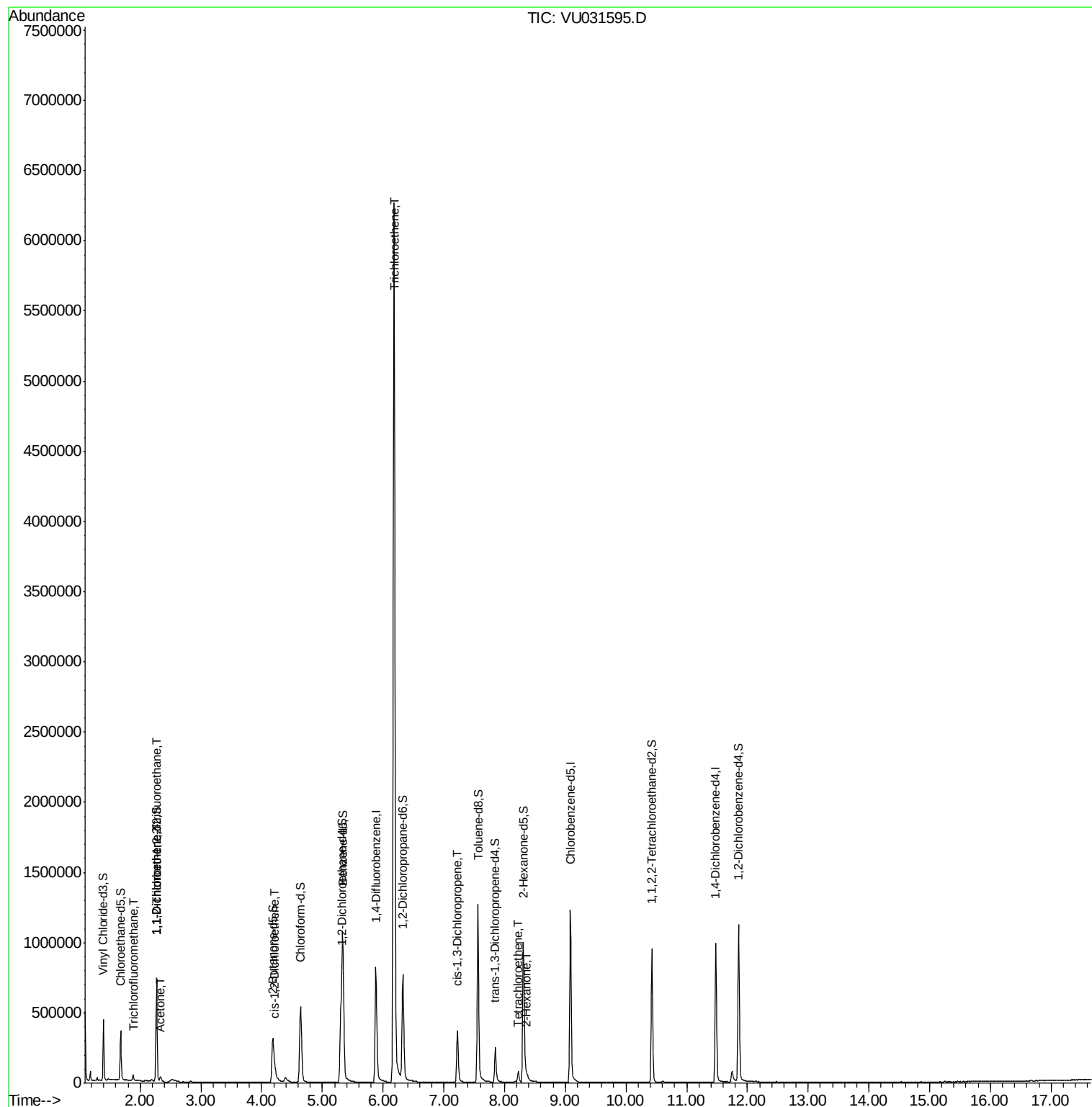
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	1.88	101	19805	2.155	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3204	0.617	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	3280	0.649	ug/L #	1
13) Acetone	2.33	43	43220	7.806	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	10297	1.822	ug/L	81
34) Trichloroethene	6.18	95	2320217	402.967	ug/L	95
39) cis-1,3-Dichloropropene	7.22	75	7488	0.840	ug/L #	43
46) Tetrachloroethene	8.22	164	16762	4.270	ug/L	95
48) 2-Hexanone	8.37	43	28353	3.379	ug/L #	43

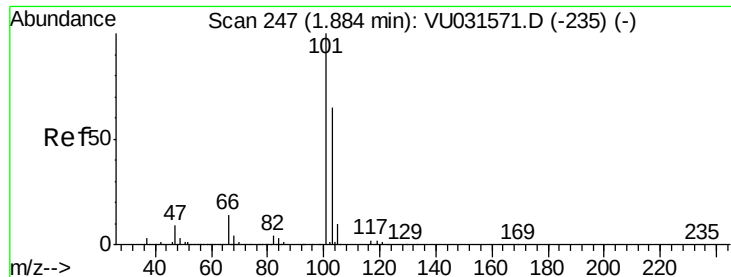
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 2.155 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031595.D

Acq: 29 Apr 2019 18:38

Instrument :

MSVOA_U

ClientSampleId :

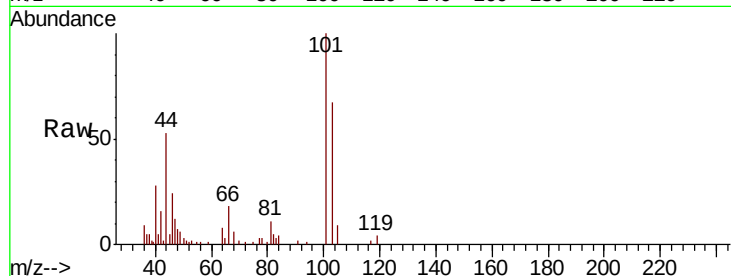
C0X65

Tgt Ion:101 Resp: 19805

Ion Ratio Lower Upper

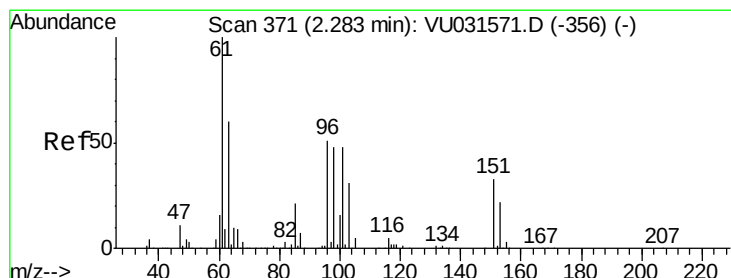
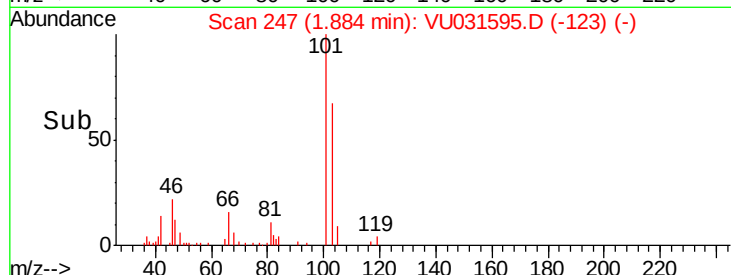
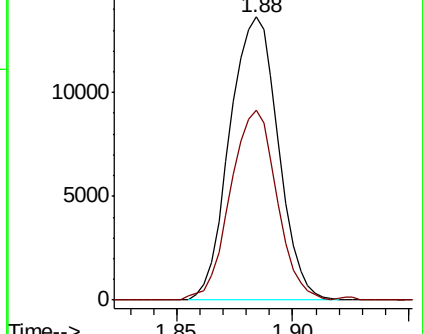
101 100

103 64.3 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.617 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031595.D

Acq: 29 Apr 2019 18:38

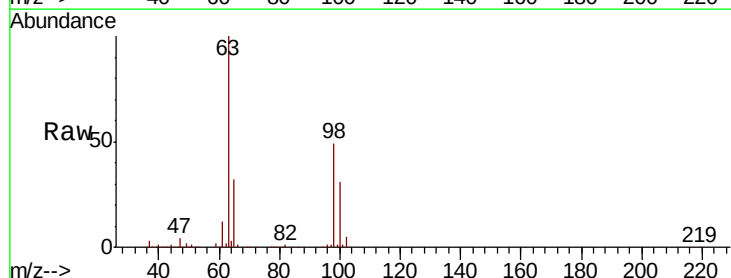
Tgt Ion:101 Resp: 3204

Ion Ratio Lower Upper

101 100

85 2.5 36.1 54.1#

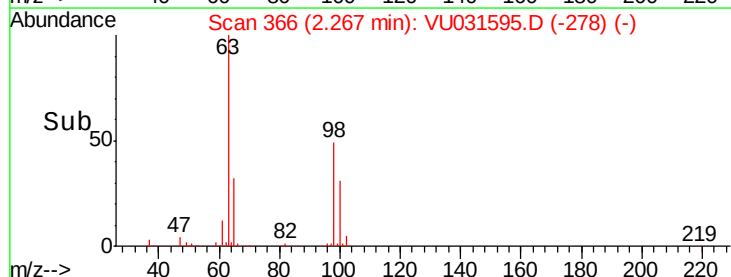
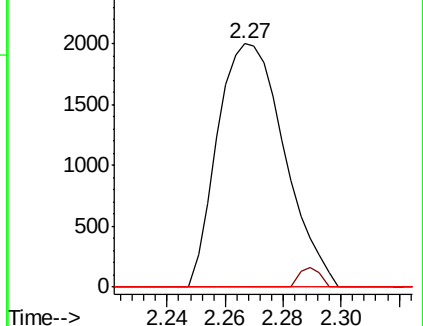
151 0.0 56.1 84.1#

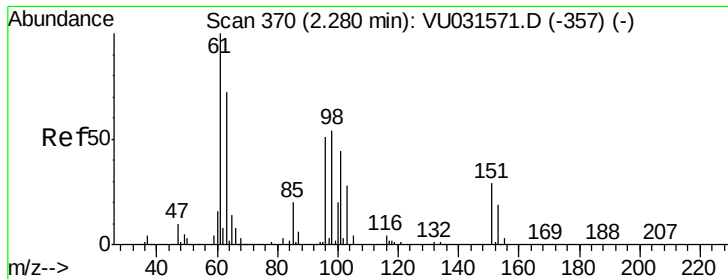


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

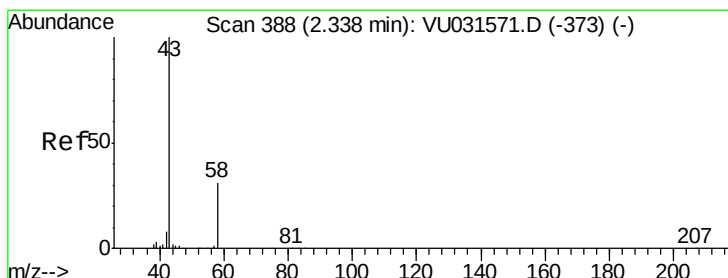
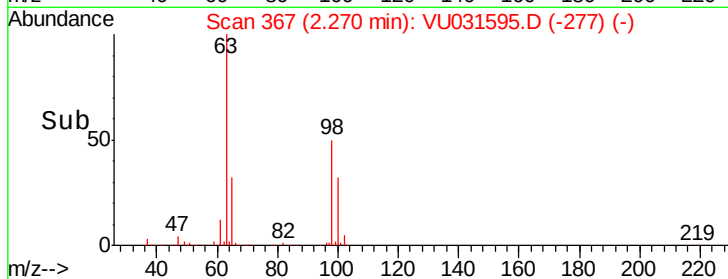
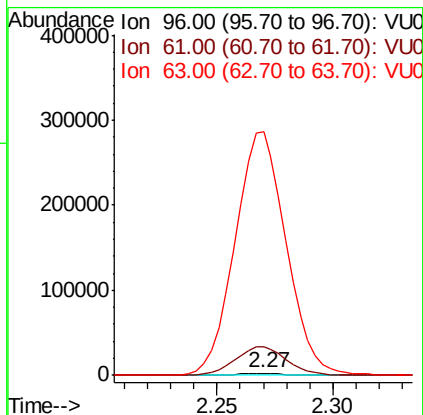
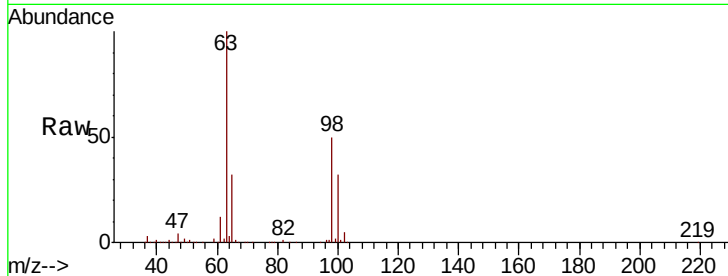




#12
 1,1-Dichloroethene
 Concen: 0.649 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

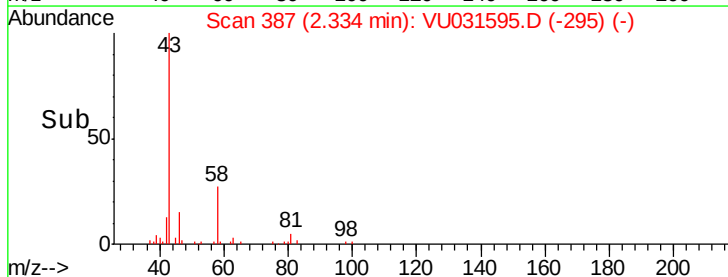
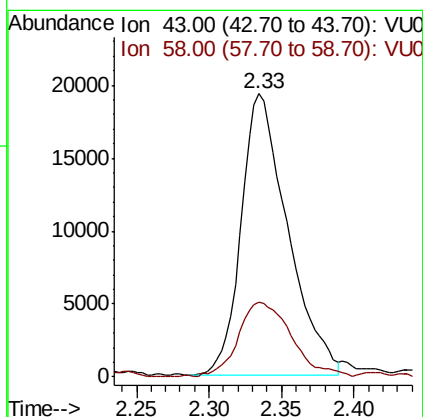
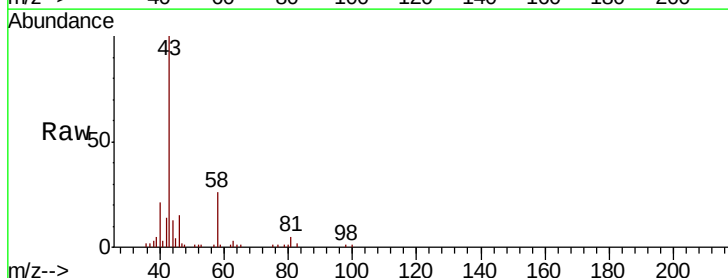
Instrument :
 MSVOA_U
 ClientSampled :
 C0X65

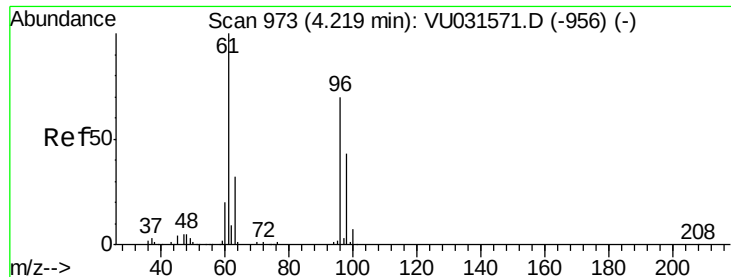
Tgt Ion: 96 Resp: 3280
 Ion Ratio Lower Upper
 96 100
 61 1599.3 135.0 250.6#
 63 13355.2 103.5 192.3#



#13
 Acetone
 Concen: 7.806 ug/L
 RT: 2.33 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

Tgt Ion: 43 Resp: 43220
 Ion Ratio Lower Upper
 43 100
 58 30.3 0.0 64.4

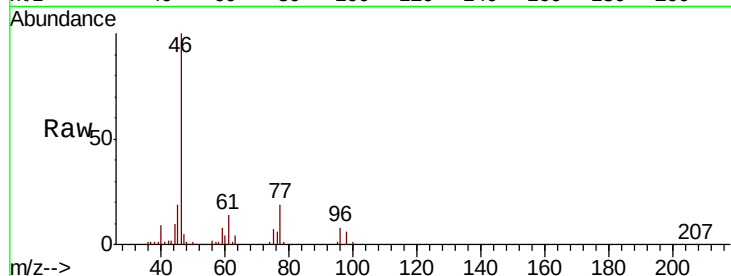




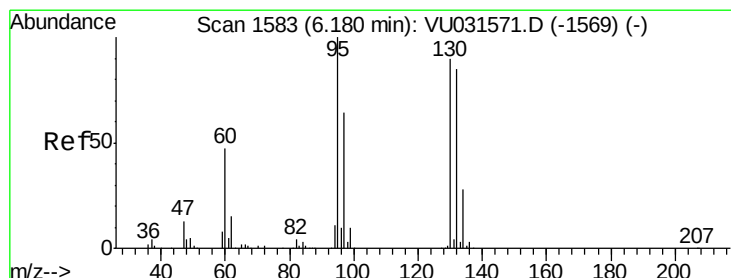
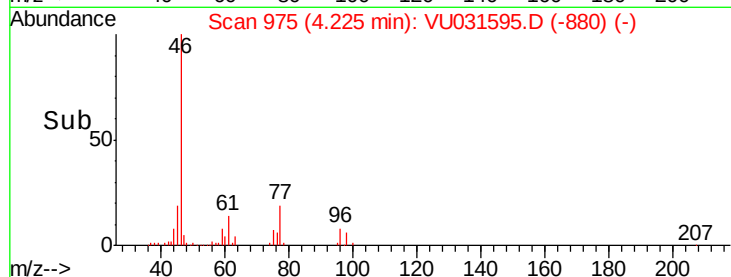
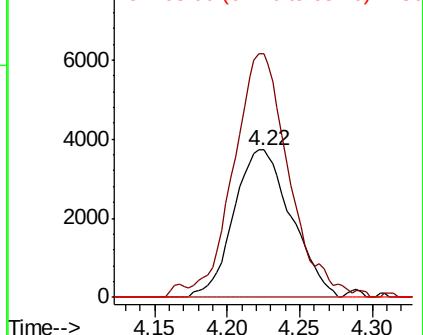
#20
 cis-1,2-Dichloroethene
 Concen: 1.822 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X65

Tgt Ion: 96 Resp: 10297
 Ion Ratio Lower Upper
 96 100
 61 165.5 99.5 184.7
 68 0.0 0.0 0.0

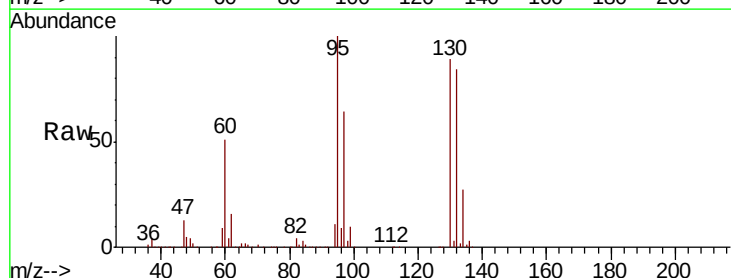


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

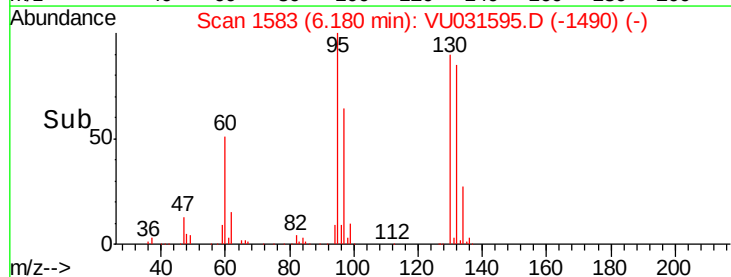
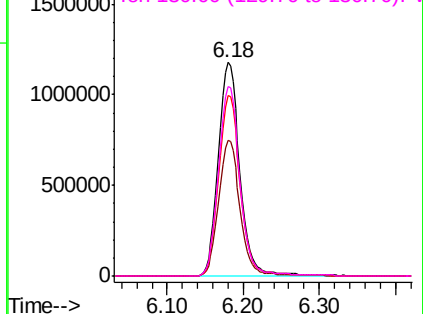


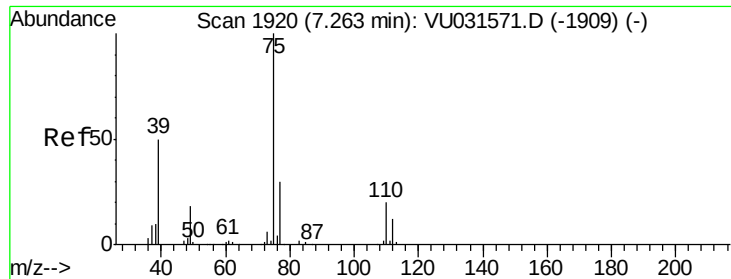
#34
 Trichloroethene
 Concen: 402.967 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

Tgt Ion: 95 Resp: 2320217
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.8 83.2
 132 84.3 63.1 117.1
 130 89.0 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

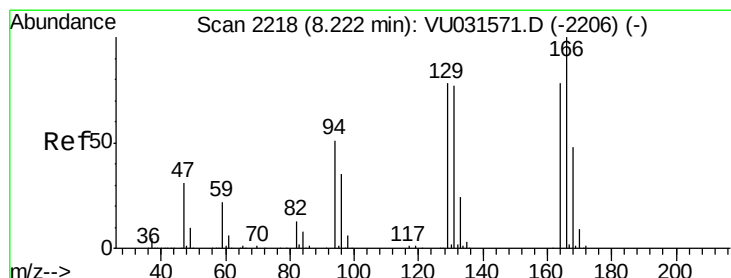
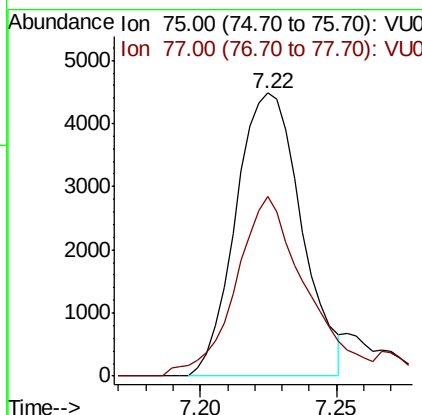
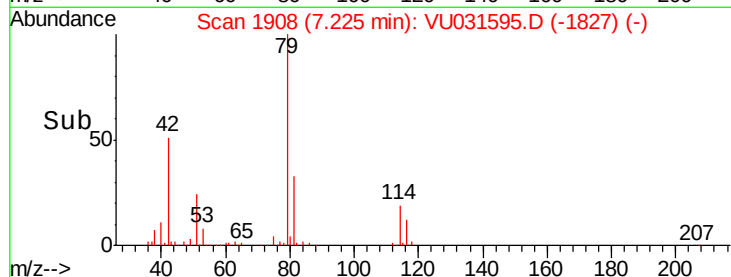
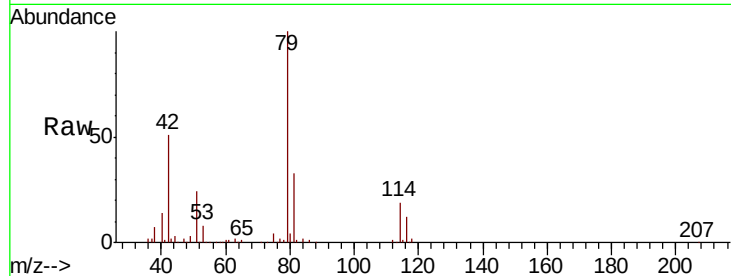




#39
 cis-1,3-Dichloropropene
 Concen: 0.840 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

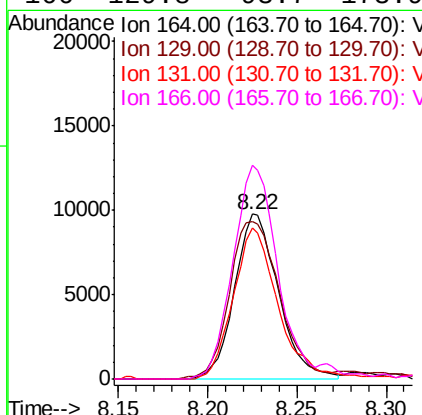
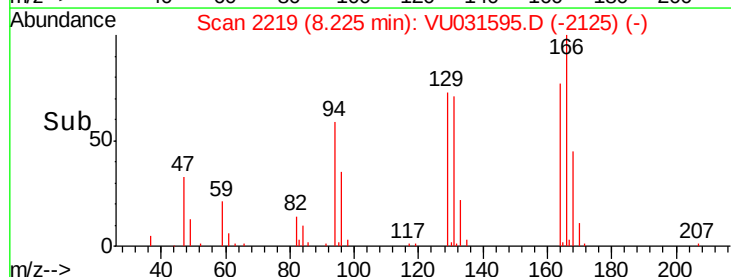
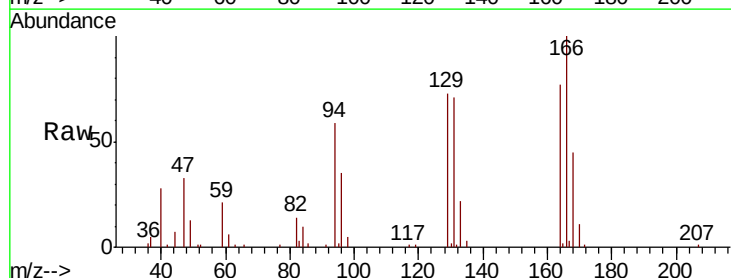
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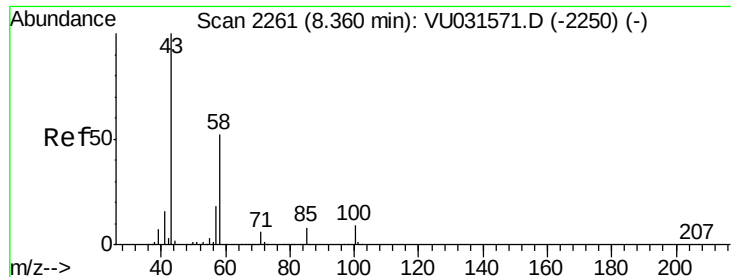
Tgt Ion: 75 Resp: 7488
 Ion Ratio Lower Upper
 75 100
 77 63.4 22.1 41.1#



#46
 Tetrachloroethene
 Concen: 4.270 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

Tgt Ion: 164 Resp: 16762
 Ion Ratio Lower Upper
 164 100
 129 95.3 71.5 132.9
 131 91.8 69.0 128.2
 166 129.8 93.7 173.9





#48
 2-Hexanone
 Concen: 3.379 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU031595.D
 Acq: 29 Apr 2019 18:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X65

Tgt Ion	Ratio	Lower	Upper
43	100		
58	3.1	42.1	63.1#
57	1.2	14.6	22.0#
100	2.5	7.2	10.8#

