

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031062.D
 Acq On : 11 Apr 2019 12:17
 Operator : JC/SP
 Sample : K2340-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2S6

Quant Time: Apr 12 03:12:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	476671	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	206310	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	186828	43.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.82%
7) Chloroethane-d5	1.68	69	160589	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.46%
11) 1,1-Dichloroethene-d2	2.27	63	265769	34.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.06%
21) 2-Butanone-d5	4.17	46	350597	103.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.96%
24) Chloroform-d	4.64	84	330688	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.74%
26) 1,2-Dichloroethane-d4	5.31	65	235166	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.04%
32) Benzene-d6	5.34	84	678024	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
36) 1,2-Dichloropropane-d6	6.32	67	232983	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.56	98	588957	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%
43) trans-1,3-Dichloropropene-	7.85	79	102542	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.08%
47) 2-Hexanone-d5	8.31	63	206759	95.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322519	50.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	218773	53.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.84%

Target Compounds

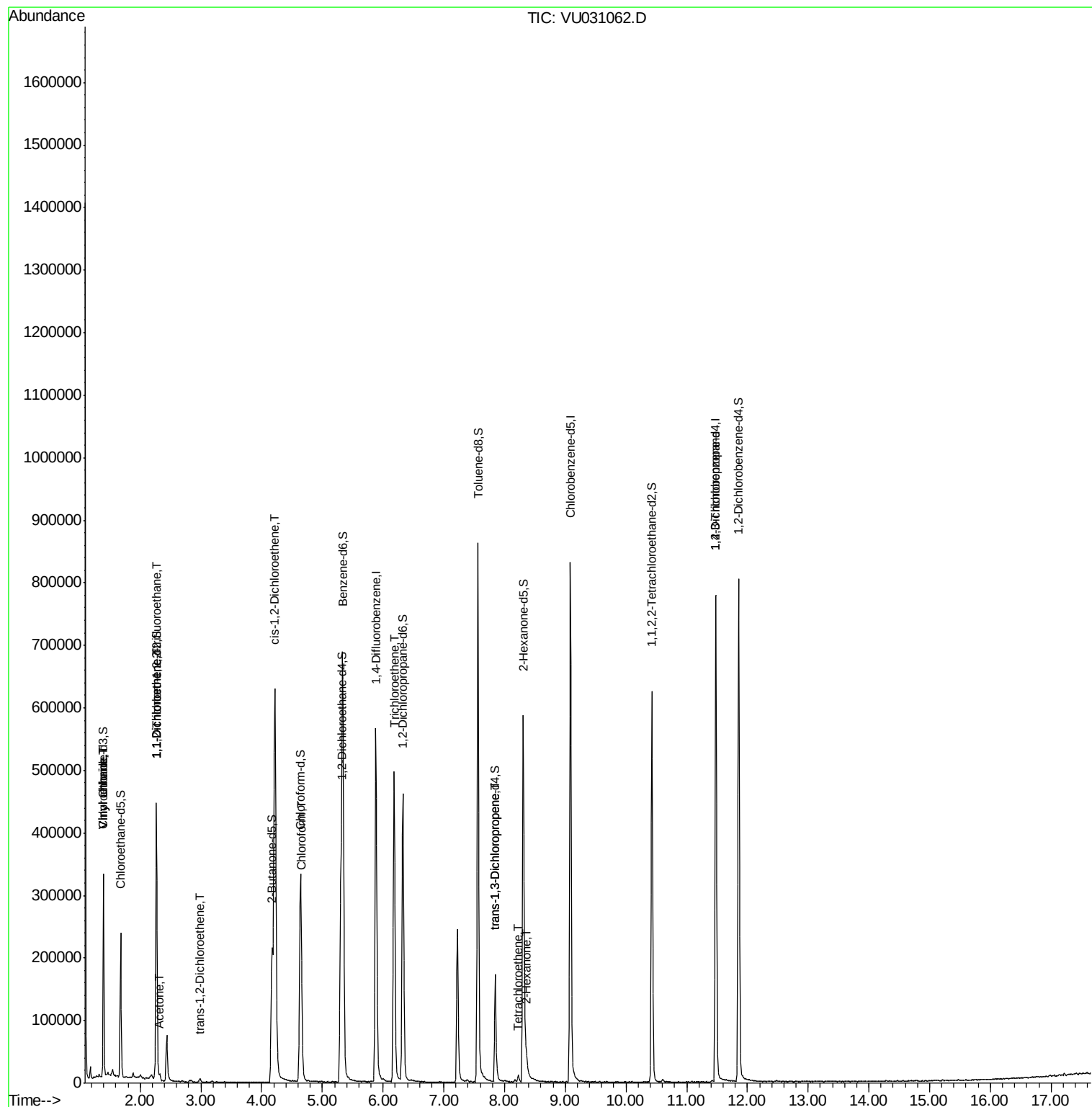
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	23050	4.397	ug/L #	68
8) Chloroethane	1.40	64	10764	3.600	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4069	1.192	ug/L #	85
12) 1,1-Dichloroethene	2.28	96	4107	1.246	ug/L #	1
13) Acetone	2.32	43	10229	2.964	ug/L	91
17) trans-1,2-Dichloroethene	2.98	96	1888	0.540	ug/L #	88
20) cis-1,2-Dichloroethene	4.22	96	341006	88.275	ug/L	95
25) Chloroform	4.66	83	6988	0.963	ug/L	94
34) Trichloroethene	6.18	95	183004	48.219	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4224	0.769	ug/L #	81
46) Tetrachloroethene	8.23	164	3213	1.164	ug/L	84
48) 2-Hexanone	8.37	43	14360	2.612	ug/L #	91
59) 1,2,3-Trichloropropane	11.48	75	24535	4.675	ug/L	91

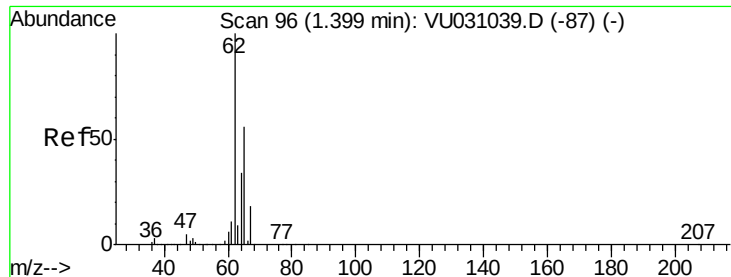
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.397 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

Instrument :

MSVOA_U

ClientSampleId :

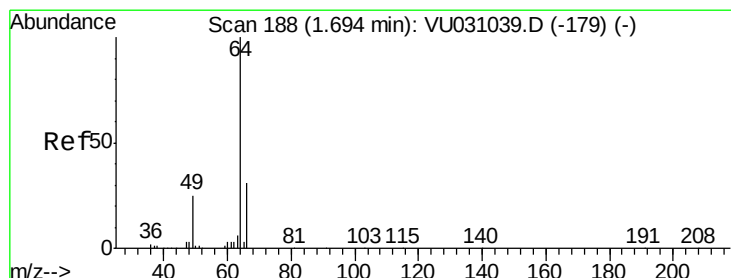
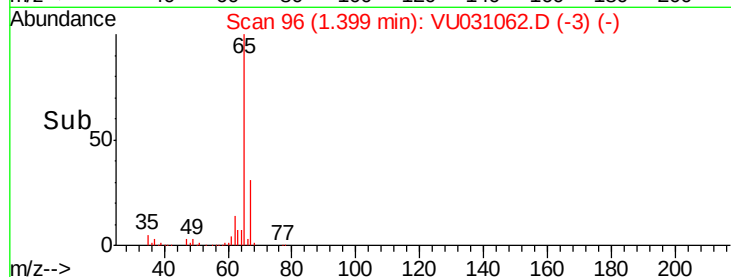
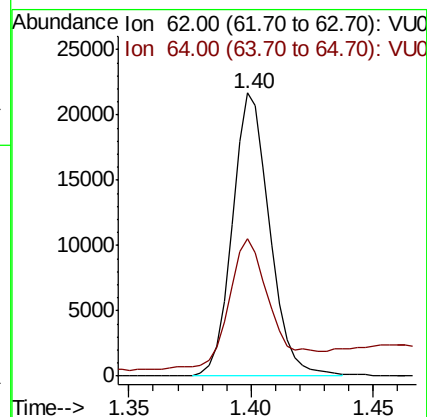
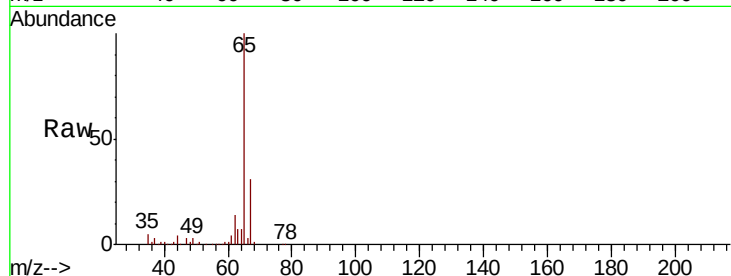
BF2S6

Tot Ion: 62 Resp: 23050

Ion Ratio Lower Upper

62 100

64 48.4 21.5 39.9#



#8

Chloroethane

Concen: 3.600 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.30 min

Lab File: VU031062.D

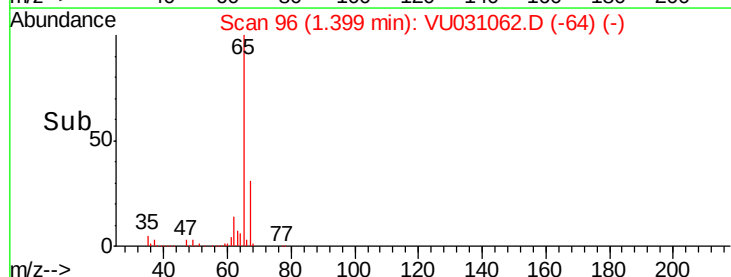
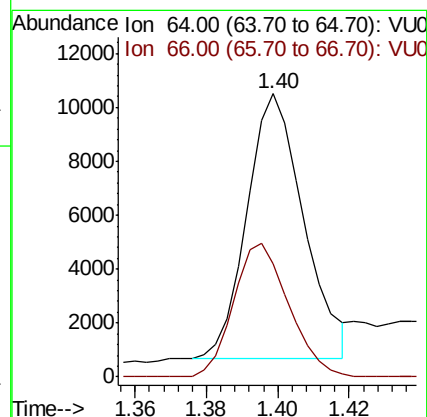
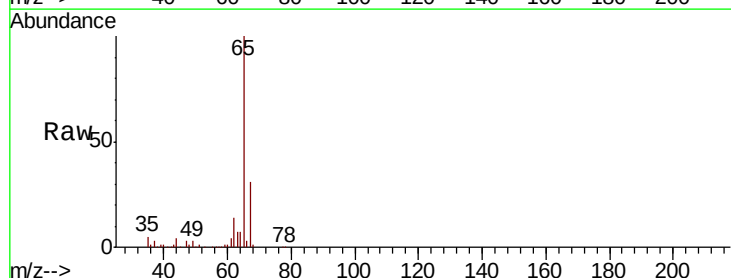
Acq: 11 Apr 2019 12:17

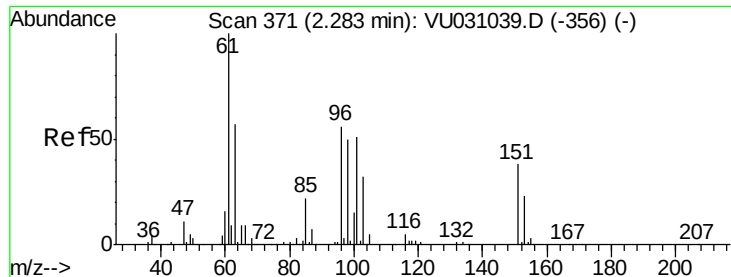
Tgt Ion: 64 Resp: 10764

Ion Ratio Lower Upper

64 100

66 40.1 22.4 41.6





#10

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

Concen: 1.192 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

Instrument :

MSVOA_U

ClientSampleId :

BF2S6

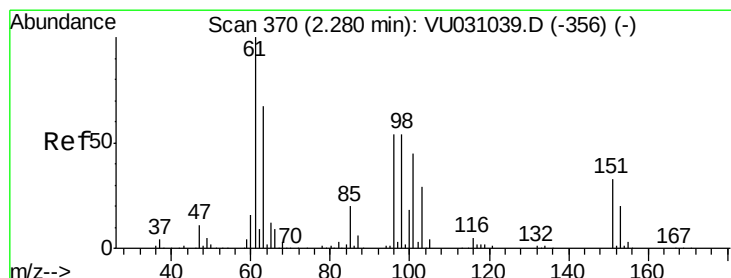
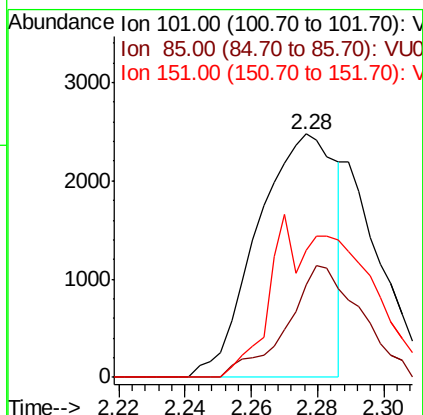
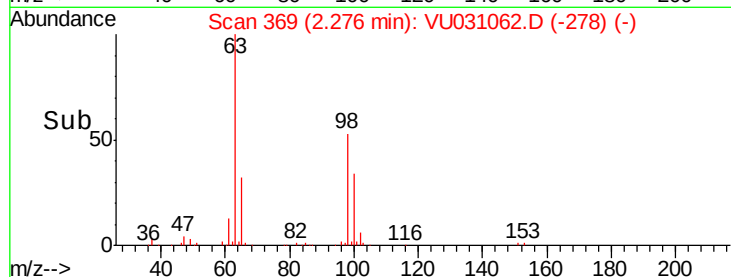
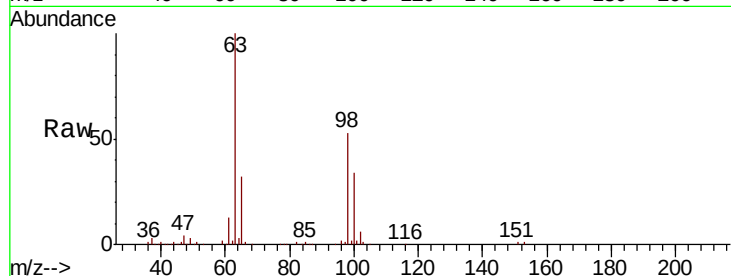
Tot Ion:101 Resp: 4069

Ion Ratio Lower Upper

101 100

85 43.2 36.8 55.2

151 53.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 1.246 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

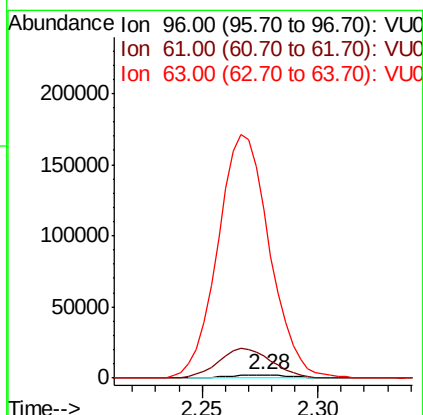
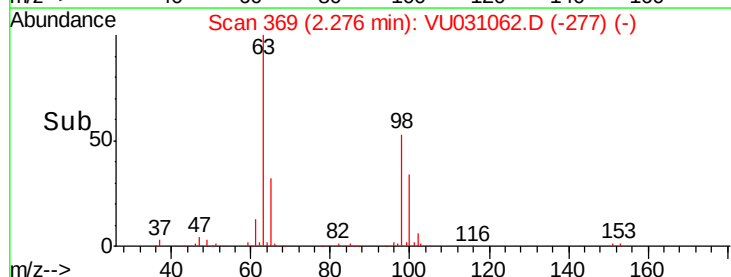
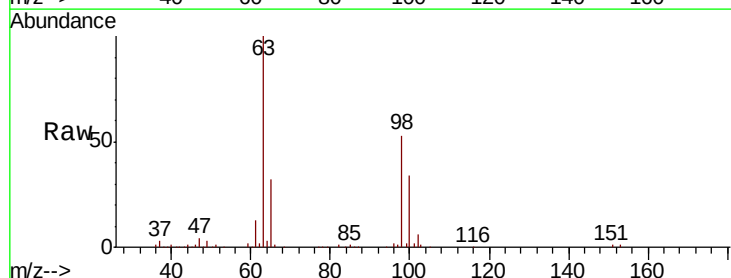
Tgt Ion: 96 Resp: 4107

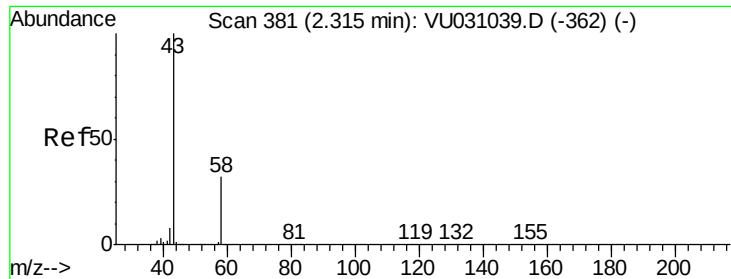
Ion Ratio Lower Upper

96 100

61 724.8 132.0 245.2#

63 5493.6 90.9 168.9#





#13

Acetone

Concen: 2.964 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

Instrument :

MSVOA_U

ClientSampleId :

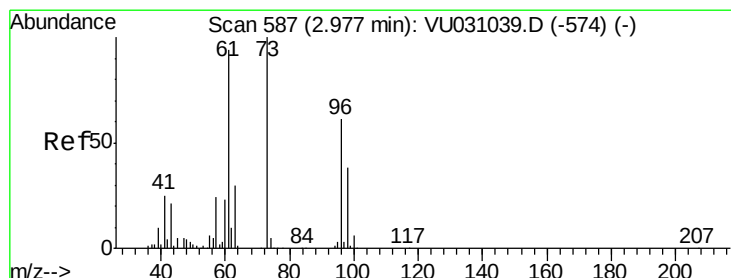
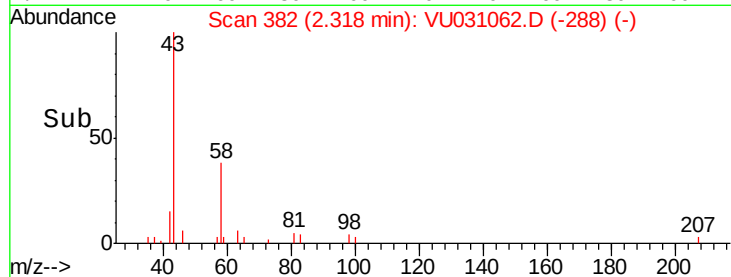
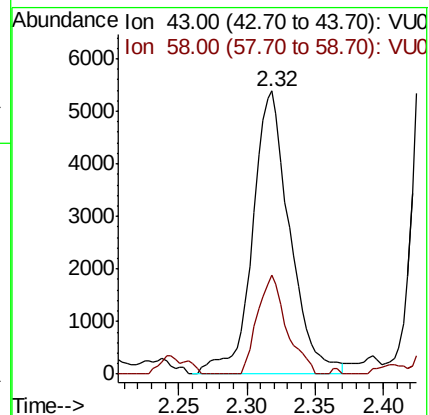
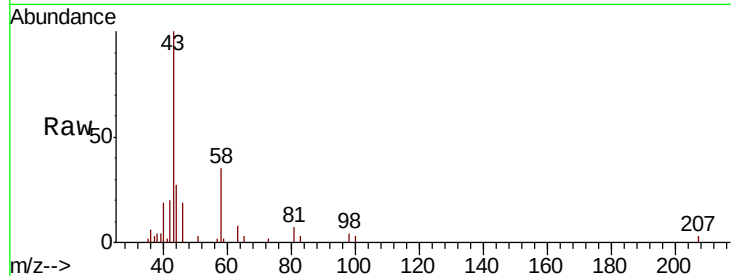
BF2S6

Tot Ion: 43 Resp: 10229

Ion Ratio Lower Upper

43 100

58 27.2 0.0 64.0



#17

trans-1,2-Dichloroethene

Concen: 0.540 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

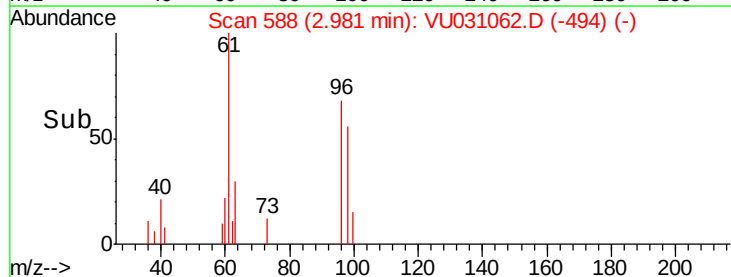
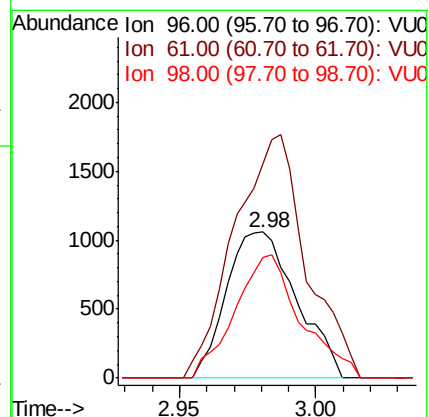
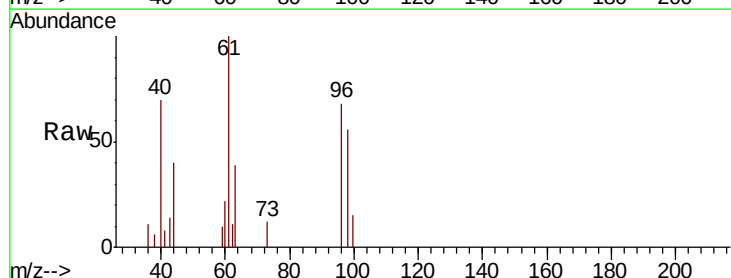
Tgt Ion: 96 Resp: 1888

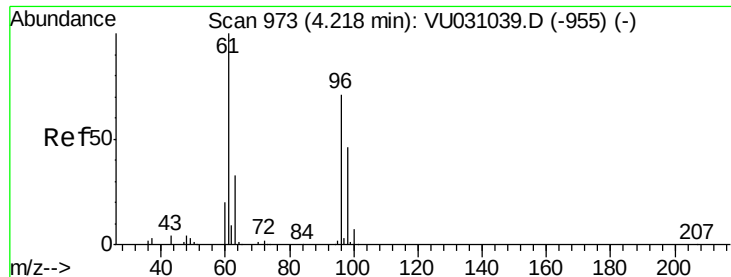
Ion Ratio Lower Upper

96 100

61 147.1 109.5 203.3

98 82.8 44.0 81.6#

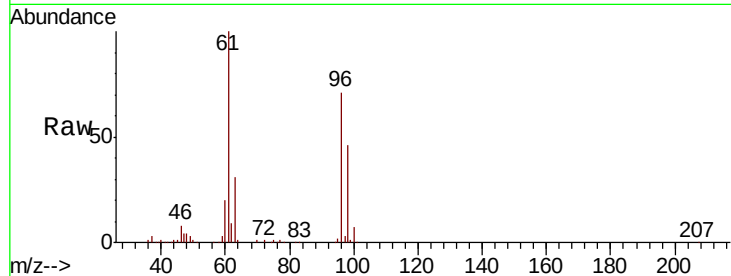




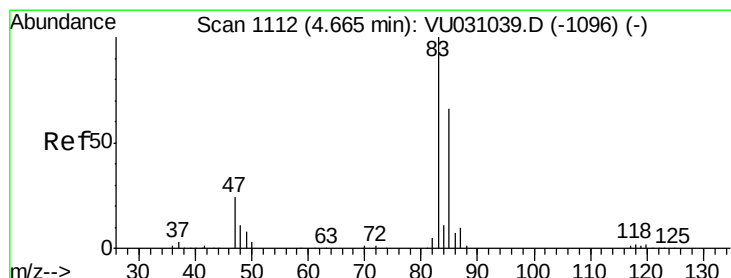
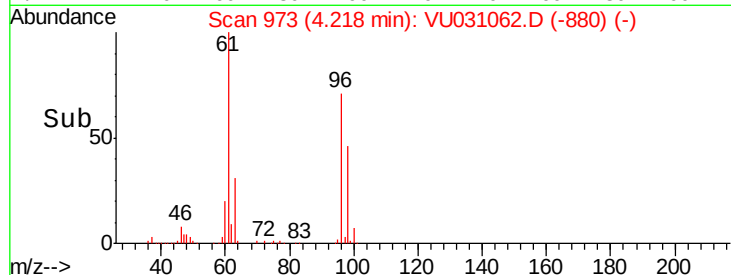
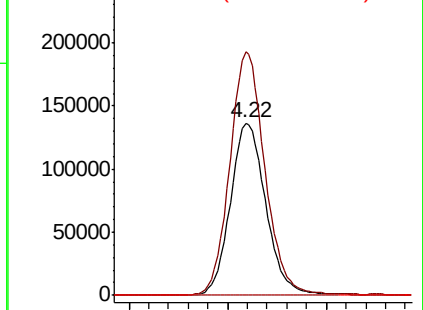
#20
 cis-1,2-Dichloroethene
 Concen: 88.275 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031062.D
 Acq: 11 Apr 2019 12:17

Instrument :
 MSVOA_U
 ClientSampled :
 BF2S6

Tot Ion	96	Resp	341006
Ion	Ratio	Lower	Upper
96	100		
61	141.1	102.9	191.1
68	0.0	0.0	0.0

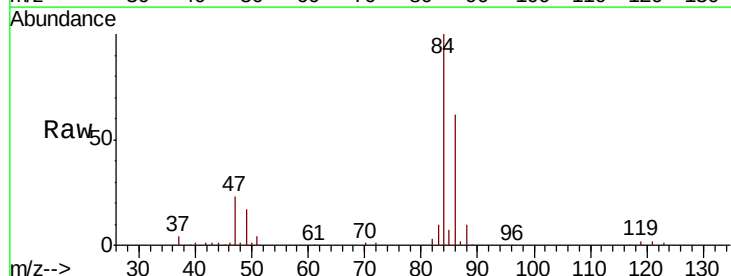


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

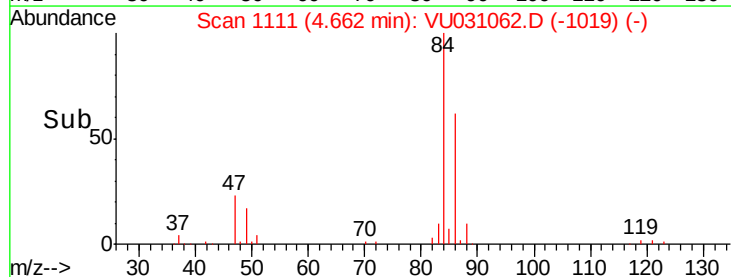
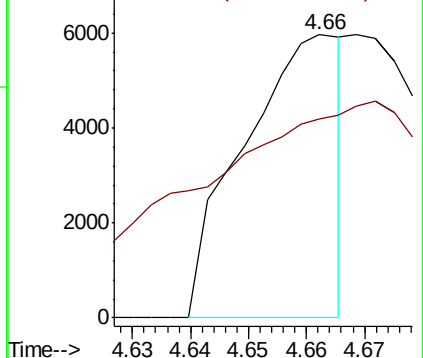


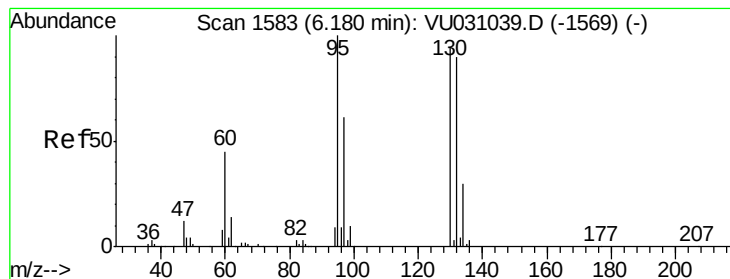
#25
 Chloroform
 Concen: 0.963 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VU031062.D
 Acq: 11 Apr 2019 12:17

Tgt Ion	83	Resp	6988
Ion	Ratio	Lower	Upper
83	100		
85	70.4	45.8	85.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 48.219 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

Instrument :

MSVOA_U

ClientSampleId :

BF2S6

Tot Ion: 95 Resp: 183004

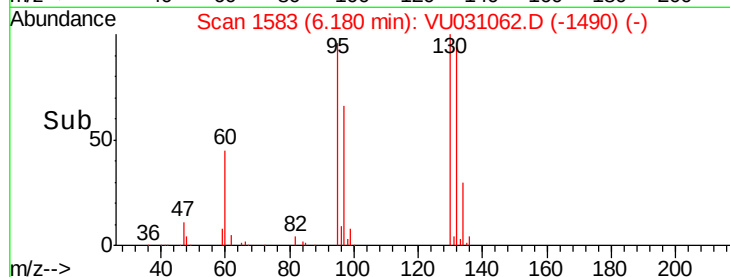
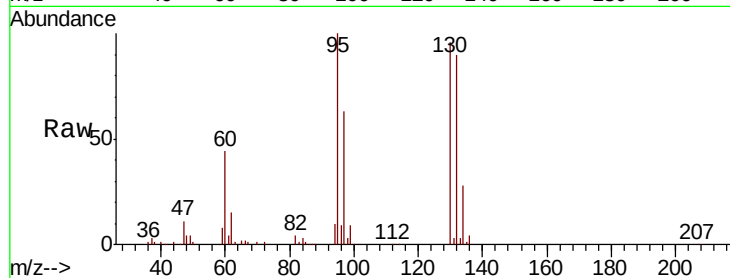
Ion Ratio Lower Upper

95 100

97 63.1 44.5 82.7

132 90.4 61.5 114.1

130 96.1 64.9 120.5

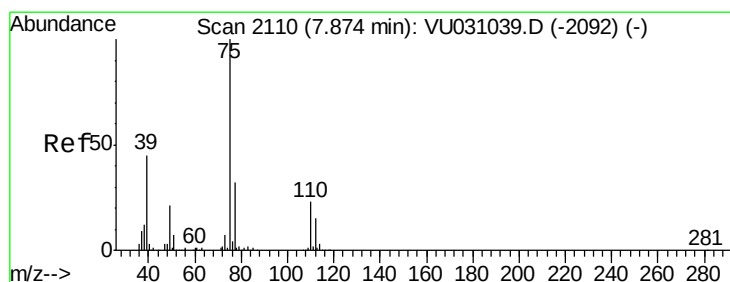
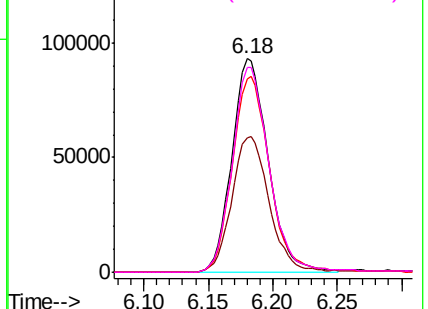


Abundance Ion 95.00 (94.70 to 95.70): VU031039.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031039.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031039.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031039.D (-1569) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.769 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031062.D

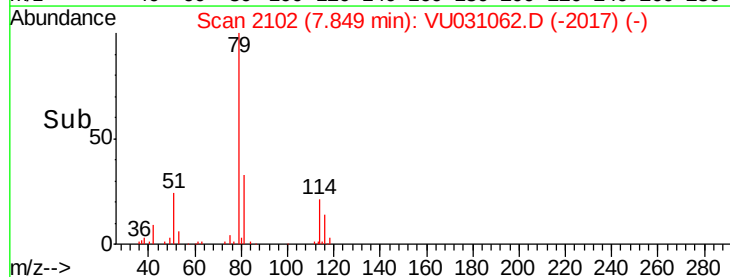
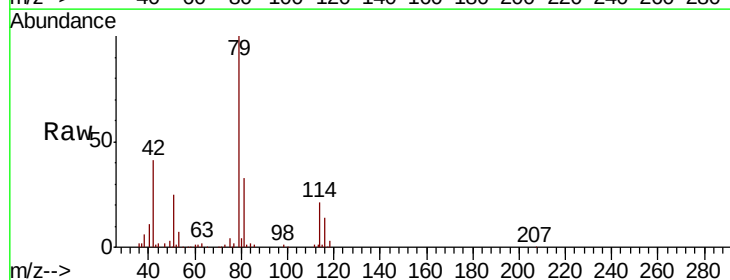
Acq: 11 Apr 2019 12:17

Tgt Ion: 75 Resp: 4224

Ion Ratio Lower Upper

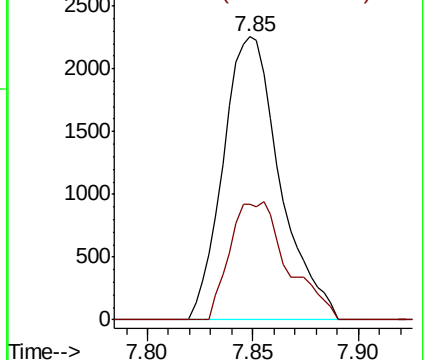
75 100

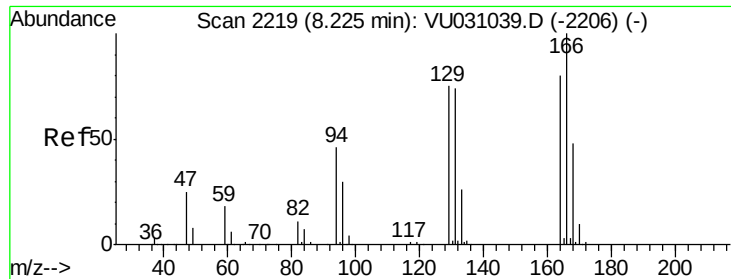
77 41.0 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU031039.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031039.D (-2092) (-)

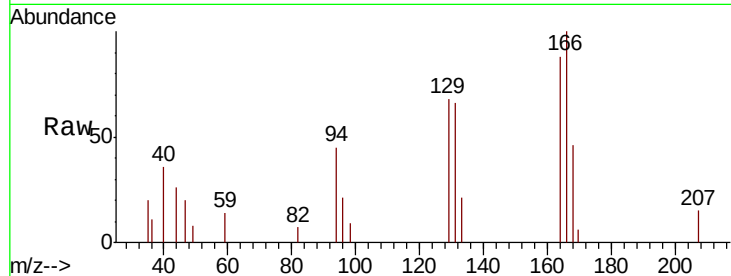




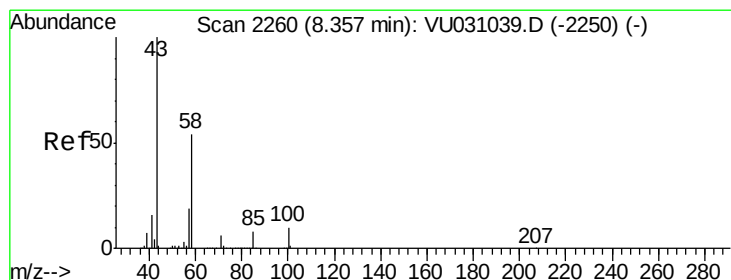
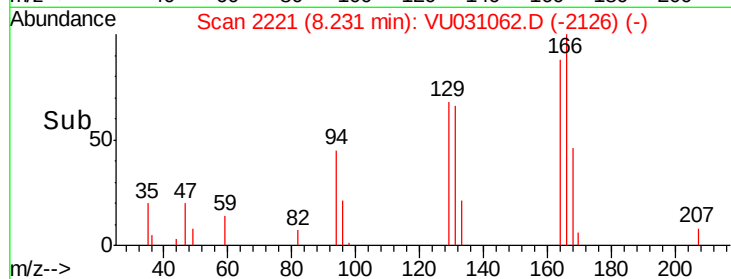
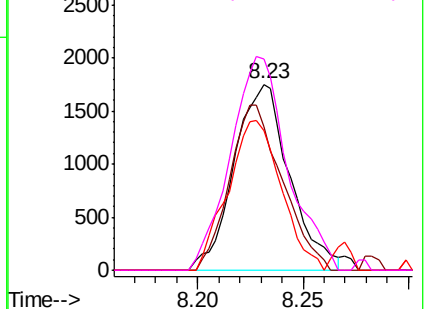
#46
Tetrachloroethene
Concen: 1.164 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. 0.01 min
Lab File: VU031062.D
Acq: 11 Apr 2019 12:17

Instrument :
MSVOA_U
ClientSampleId :
BF2S6

Tot Ion:164 Resp: 3213
Ion Ratio Lower Upper
164 100
129 77.2 67.4 125.2
131 75.1 65.9 122.5
166 113.2 88.6 164.6

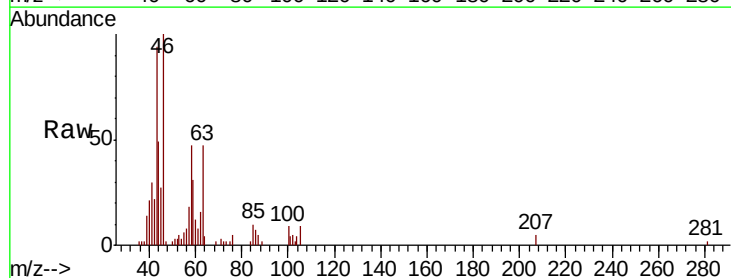


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

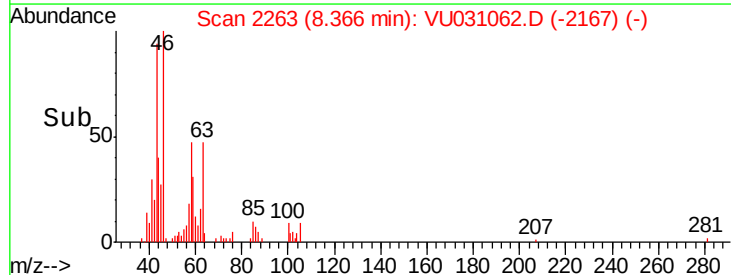
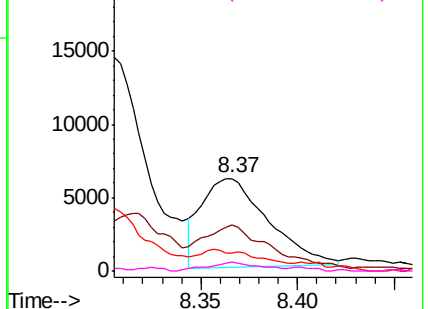


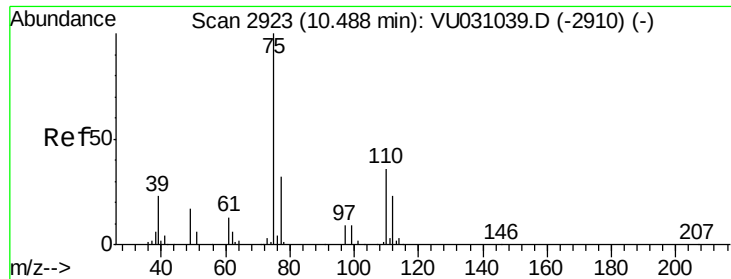
#48
2-Hexanone
Concen: 2.612 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU031062.D
Acq: 11 Apr 2019 12:17

Tgt Ion: 43 Resp: 14360
Ion Ratio Lower Upper
43 100
58 53.2 41.9 62.9
57 2.7 14.3 21.5#
100 7.8 7.1 10.7



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





#59

1,2,3-Trichloropropane

Concen: 4.675 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031062.D

Acq: 11 Apr 2019 12:17

Instrument :

MSVOA_U

ClientSampleId :

BF2S6

Tot Ion: 75 Resp: 24535

Ion Ratio Lower Upper

75 100

77 37.4 26.1 39.1

