

Data File : VU030554.D
Acq On : 29 Mar 2019 20:07
Operator : JC/SP
Sample : K2167-03 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF2M1

Quant Time: Mar 30 02:16:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 02:12:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	420846	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407788	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	156302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	147021	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.82%
7) Chloroethane-d5	1.67	69	129223	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	2.37	63	487	0.08	ug/L	0.10
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.16%#
21) 2-Butanone-d5	4.17	46	326735	102.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.62%
24) Chloroform-d	4.64	84	278844	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.31	65	191181	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.34	84	542209	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
36) 1,2-Dichloropropane-d6	6.33	67	199763	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.86%
41) Toluene-d8	7.56	98	459061	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%
43) trans-1,3-Dichloropropene-	7.85	79	81163	43.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.28%
47) 2-Hexanone-d5	8.31	63	223733	103.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283525	49.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	156081	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1897	0.618	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1951	0.648	ug/L #	1
34) Trichloroethene	6.19	95	8412	2.465	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	4639	0.819	ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	3292	0.661	ug/L	97
45) 1,1,2-Trichloroethane	8.22	97	3202	0.962	ug/L #	1
46) Tetrachloroethene	8.22	164	335553	140.781	ug/L	98
48) 2-Hexanone	8.36	43	8410	1.551	ug/L #	39
59) 1,2,3-Trichloropropane	11.48	75	21217	4.425	ug/L	98

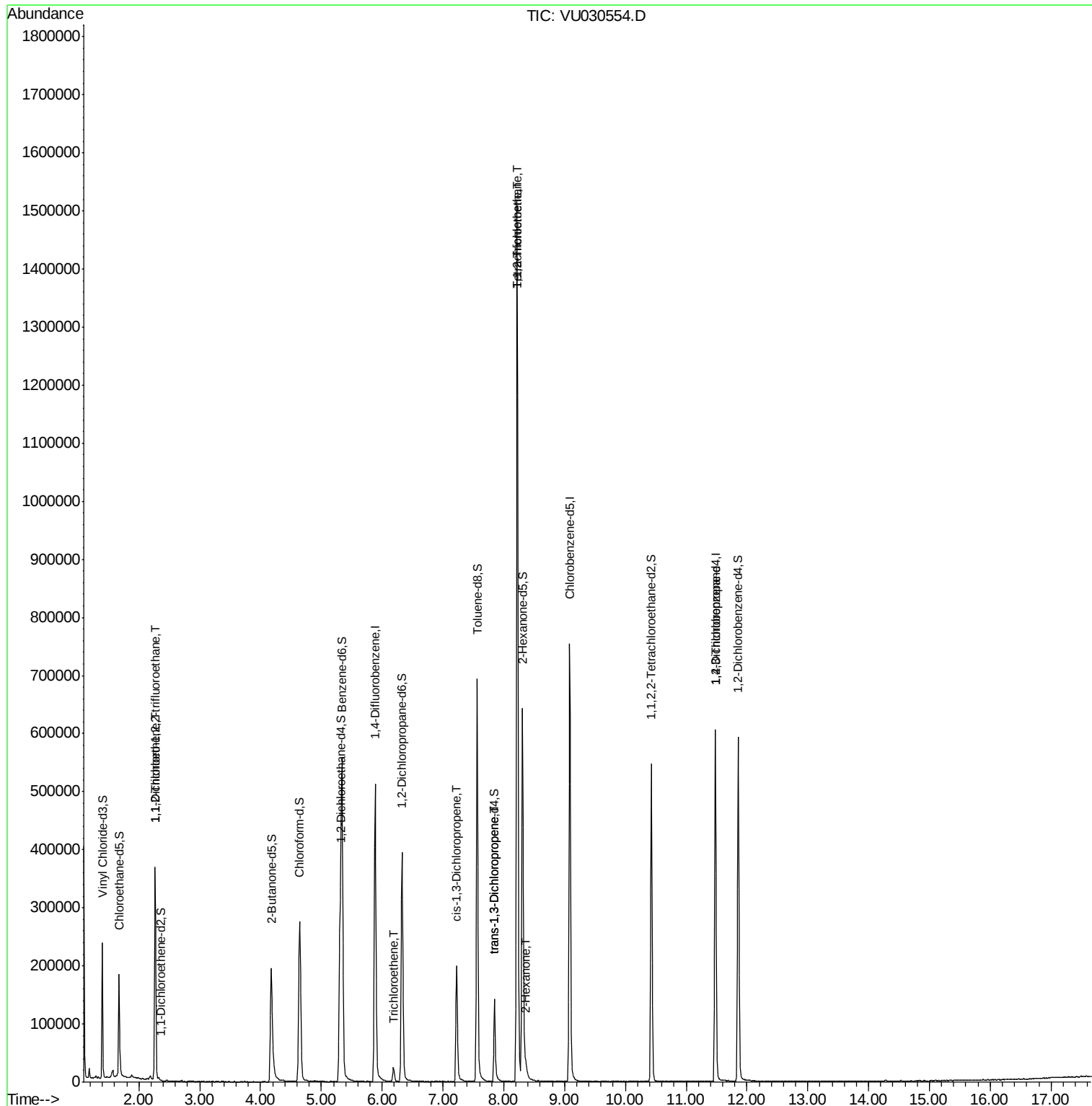
(#) = qualifier out of range (m) = manual integration (+) = signals summed

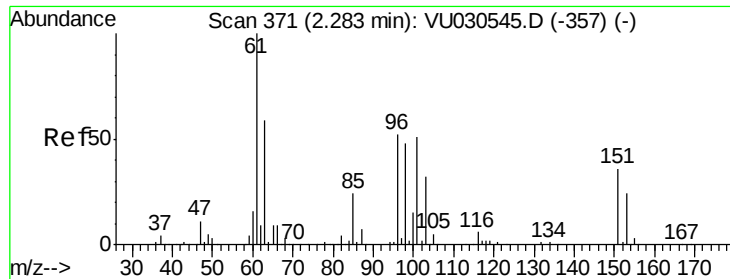
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Quant Title : VOC Analysis
QLast Update : Sat Mar 30 02:12:04 2019
Response via : Initial Calibration





#10

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

Concen: 0.618 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

Instrument :

MSVOA_U

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BF2M1

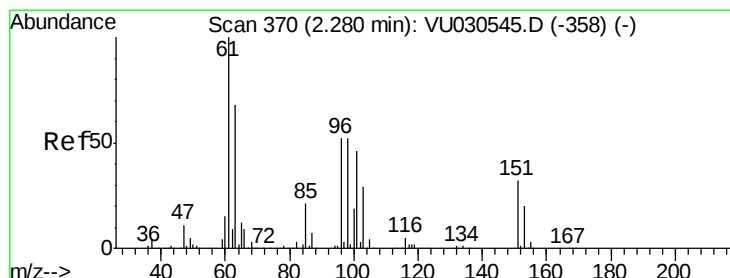
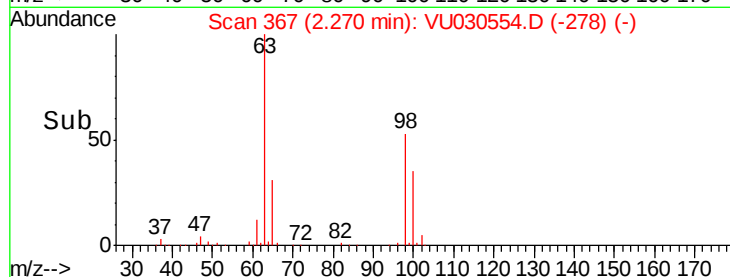
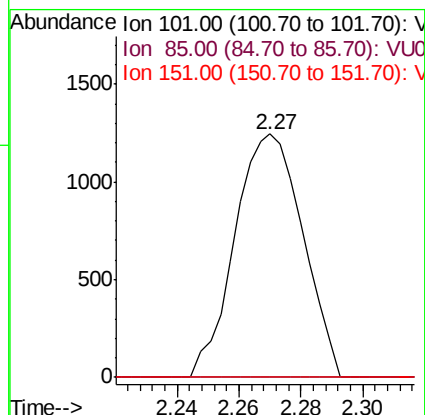
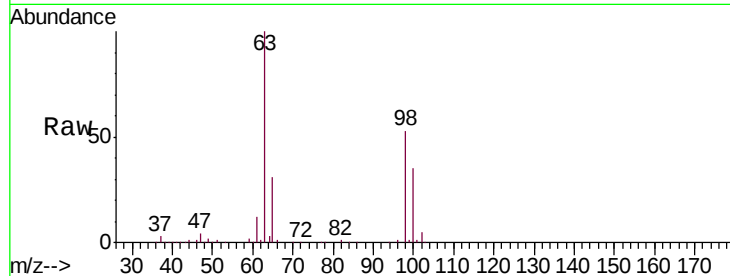
Tgt Ion: 101 Resp: 1897

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.648 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

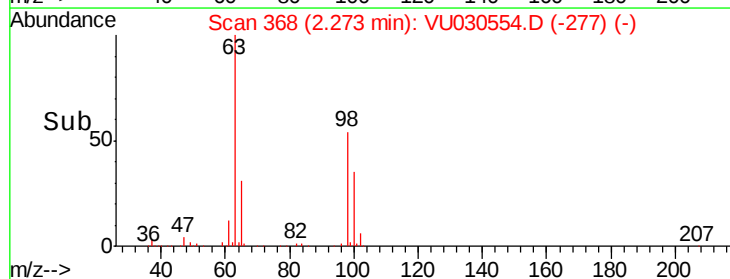
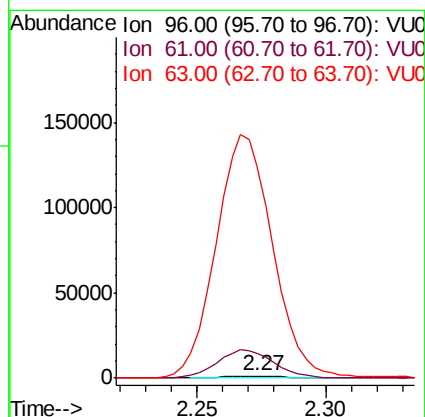
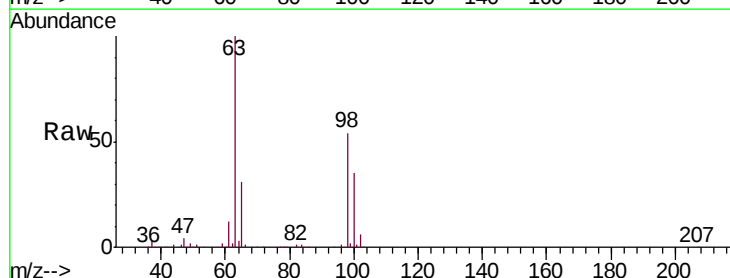
Tgt Ion: 96 Resp: 1951

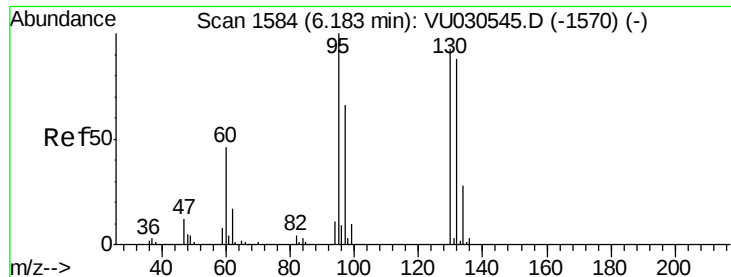
Ion Ratio Lower Upper

96 100

61 1250.7 131.0 243.4#

63 10502.7 92.4 171.6#





#34

Trichloroethene

Concen: 2.465 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BF2M1

Tgt Ion: 95 Resp: 8412

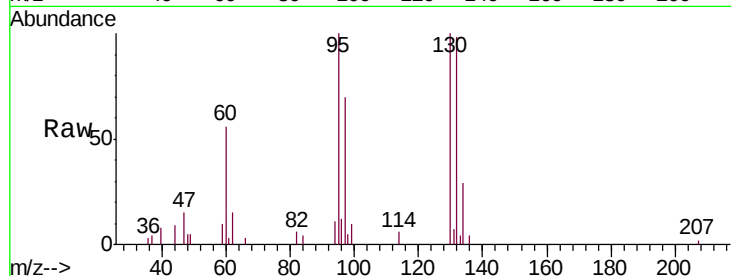
Ion Ratio Lower Upper

95 100

97 69.8 45.7 84.9

132 98.0 63.8 118.4

130 100.0 65.7 121.9

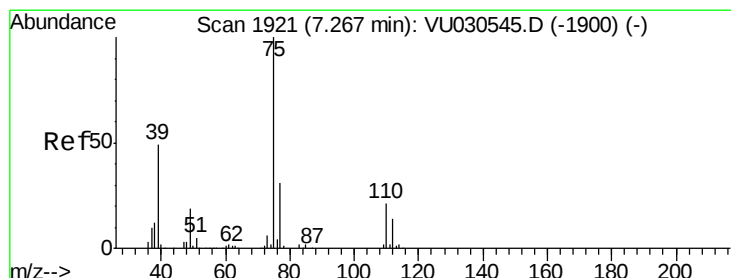
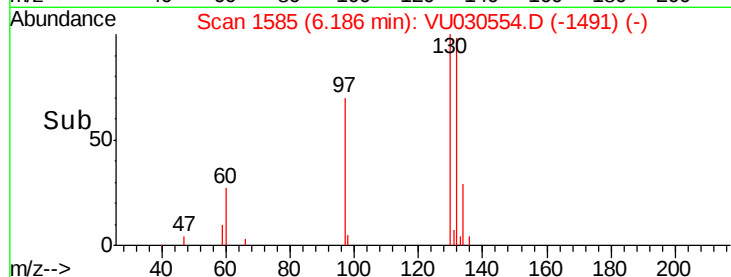
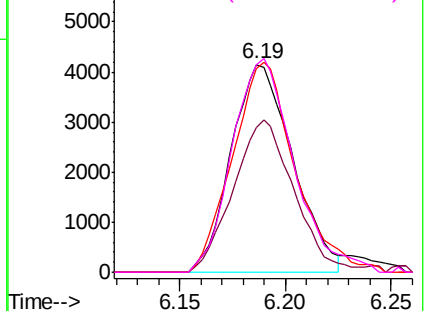


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.819 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030554.D

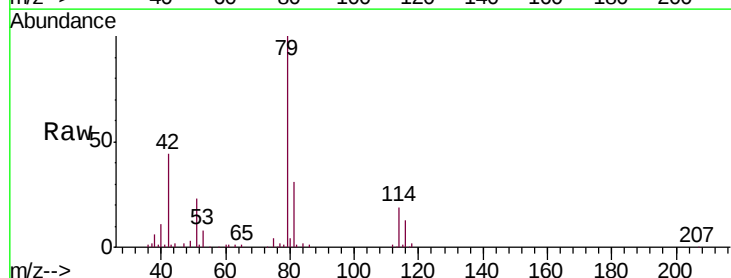
Acq: 29 Mar 2019 20:07

Tgt Ion: 75 Resp: 4639

Ion Ratio Lower Upper

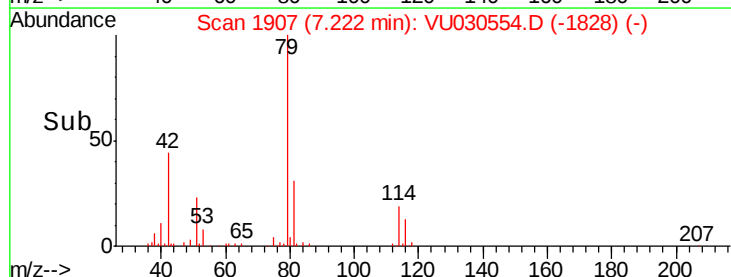
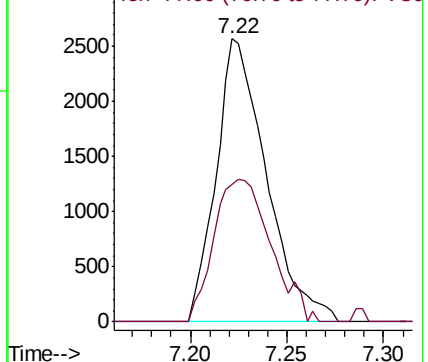
75 100

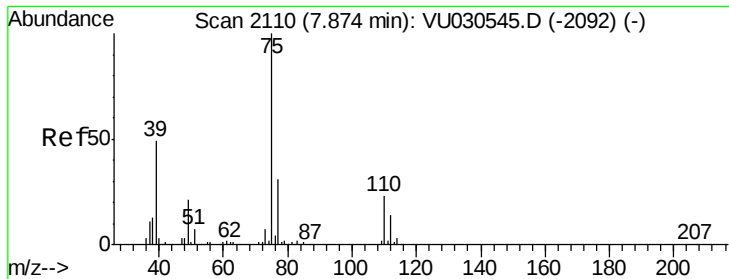
77 48.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

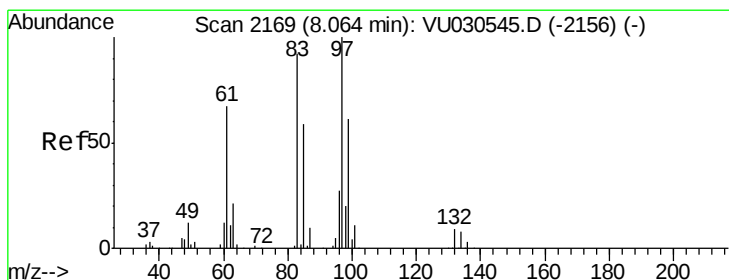
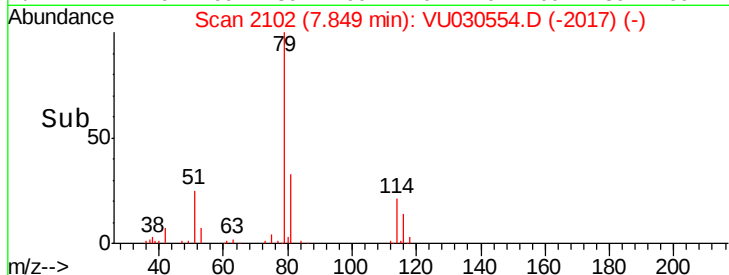
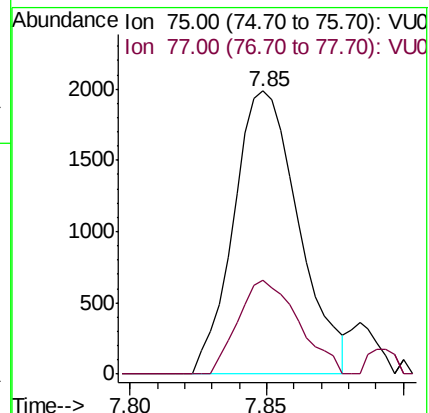
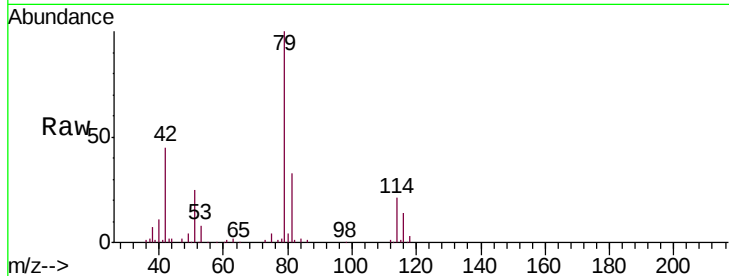
BF2M1

Tgt Ion: 75 Resp: 3292

Ion Ratio Lower Upper

75 100

77 33.3 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 0.962 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.15 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

Tgt Ion: 97 Resp: 3202

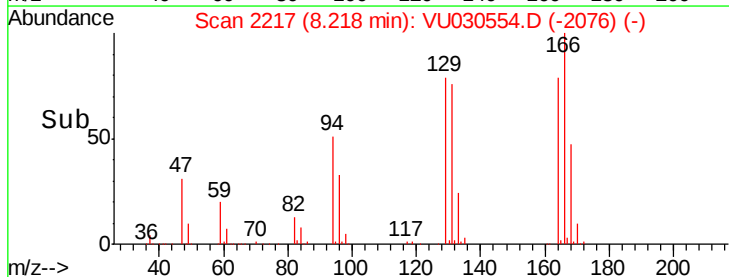
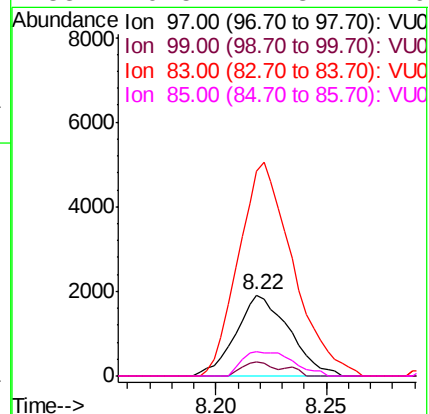
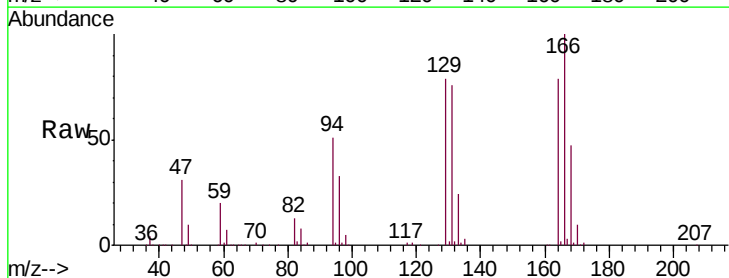
Ion Ratio Lower Upper

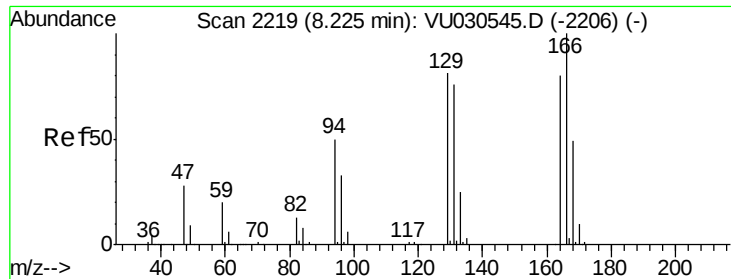
97 100

99 17.1 44.0 81.8#

83 252.2 65.3 121.3#

85 29.5 41.8 77.6#

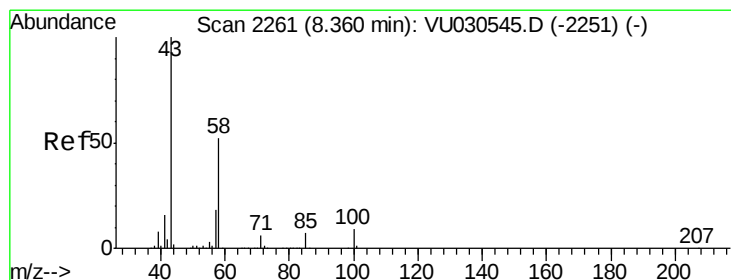
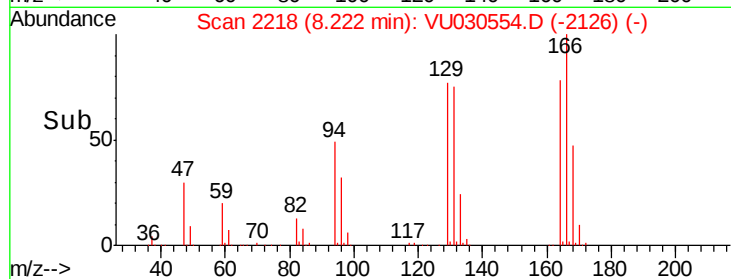
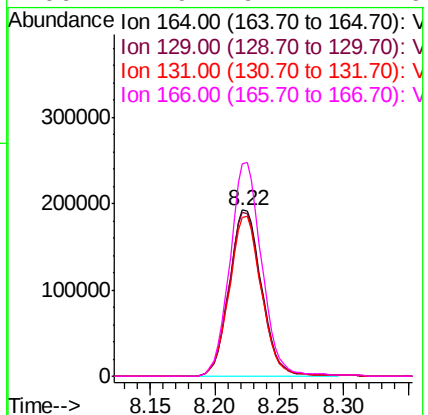
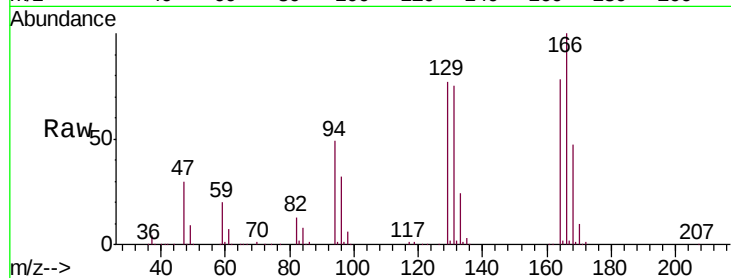




#46
Tetrachloroethene
Concen: 140.781 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030554.D
Acq: 29 Mar 2019 20:07

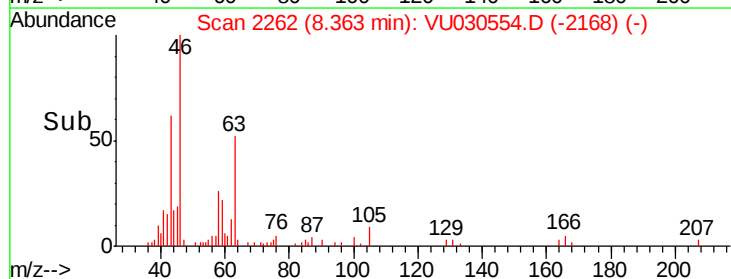
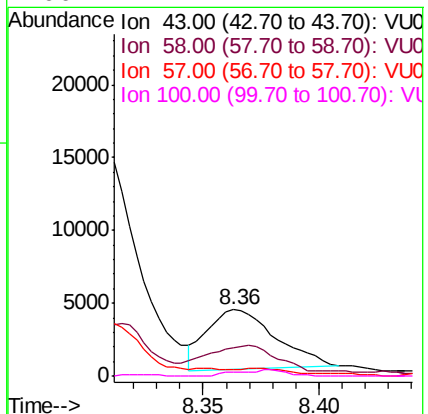
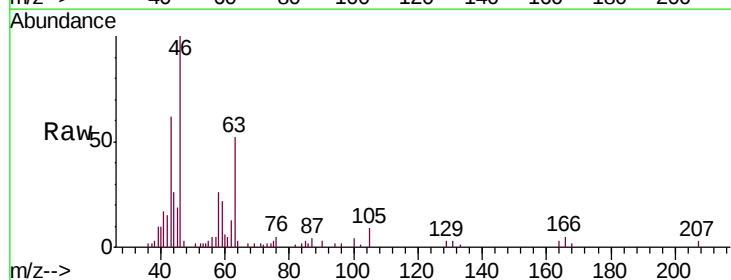
Instrument :
MSVOA_U
ClientSampleId :
BF2M1

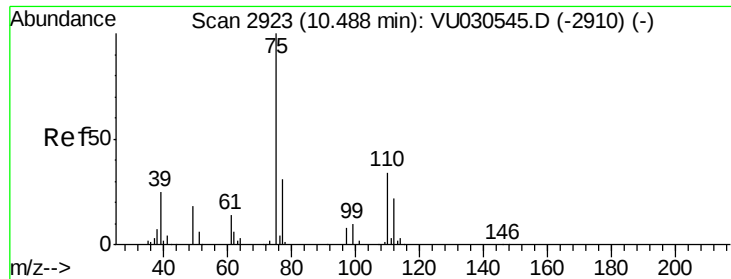
Tgt Ion:	164	Resp:	335553
Ion	Ratio	Lower	Upper
164	100		
129	98.7	68.1	126.5
131	95.5	67.7	125.7
166	127.9	92.4	171.6



#48
2-Hexanone
Concen: 1.551 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030554.D
Acq: 29 Mar 2019 20:07

Tgt Ion:	43	Resp:	8410
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.5	63.7#
57	0.0	15.0	22.6#
100	2.7	7.4	11.2#





#59

1,2,3-Trichloropropane

Concen: 4.425 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030554.D

Acq: 29 Mar 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BF2M1

Tgt Ion: 75 Resp: 21217

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2

