

Data File : VU030563.D
Acq On : 30 Mar 2019 00:04
Operator : JC/SP
Sample : K2166-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF2L6

Quant Time: Mar 30 02:18:10 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	414578	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	399411	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	156157	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139795	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	123315	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.26%
11) 1,1-Dichloroethene-d2	2.27	63	209006	33.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.04%
21) 2-Butanone-d5	4.17	46	313655	100.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.00%
24) Chloroform-d	4.64	84	274003	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.31	65	193548	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
32) Benzene-d6	5.34	84	535840	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.33	67	199947	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.04%
41) Toluene-d8	7.56	98	452443	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%
43) trans-1,3-Dichloropropene-	7.85	79	79855	43.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.68%
47) 2-Hexanone-d5	8.31	63	204641	96.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	276683	49.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	157643	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%

Target Compounds

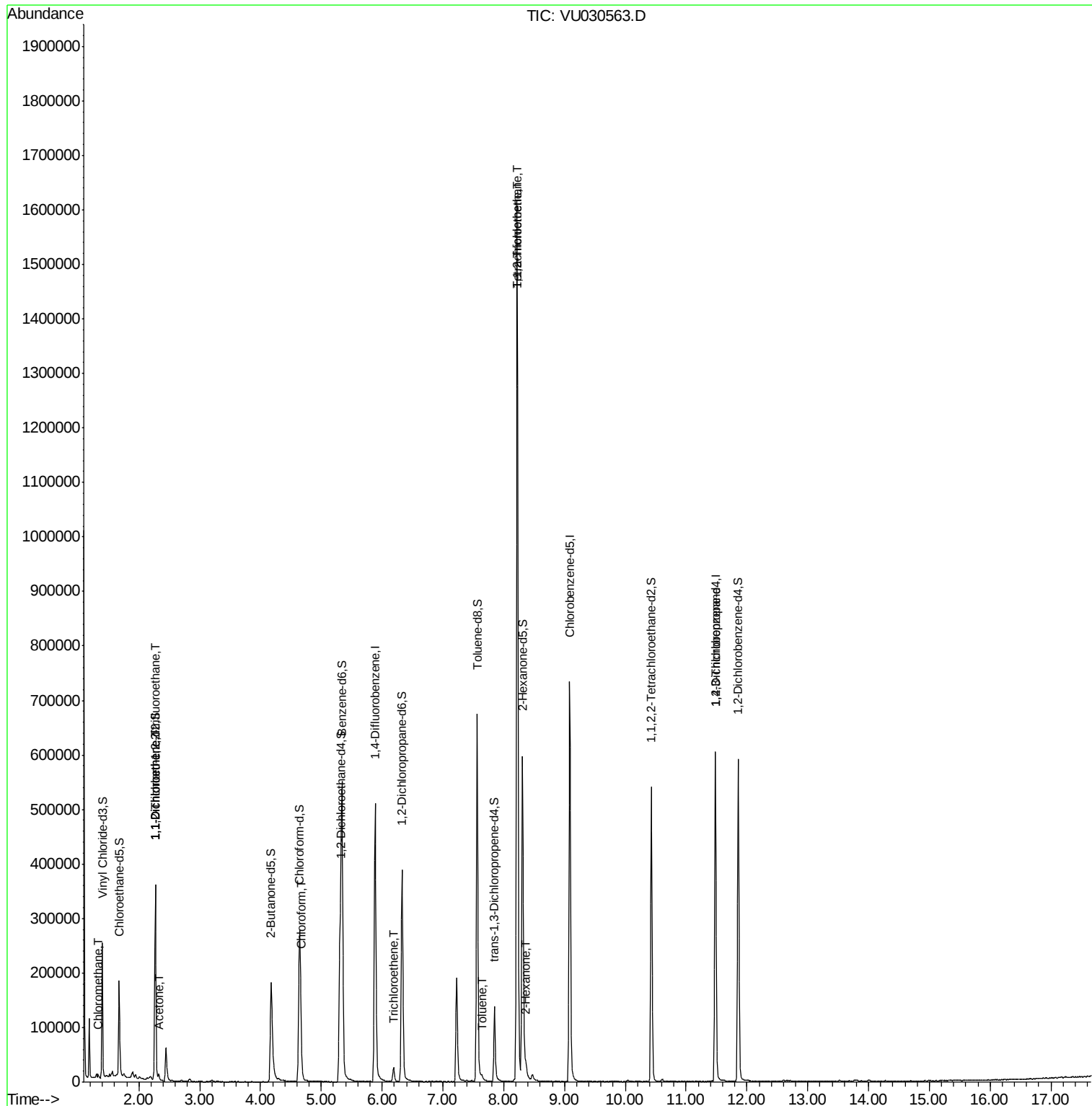
					Qvalue
3) Chloromethane	1.33	50	5376	1.051 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2119	0.700 ug/L #	24
12) 1,1-Dichloroethene	2.27	96	3467	1.169 ug/L #	1
13) Acetone	2.32	43	8713	2.747 ug/L	95
25) Chloroform	4.67	83	19758	3.255 ug/L	96
34) Trichloroethene	6.19	95	9285	2.778 ug/L	92
42) Toluene	7.64	91	5813	0.412 ug/L	90
45) 1,1,2-Trichloroethane	8.22	97	3072	0.942 ug/L #	1
46) Tetrachloroethene	8.22	164	357801	153.264 ug/L	97
48) 2-Hexanone	8.37	43	9337	1.758 ug/L #	84
59) 1,2,3-Trichloropropane	11.48	75	20936	4.458 ug/L	96

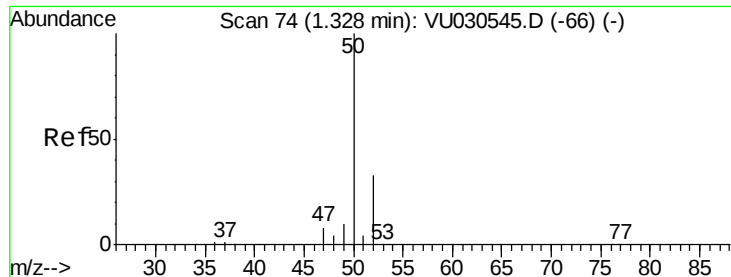
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 1.051 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

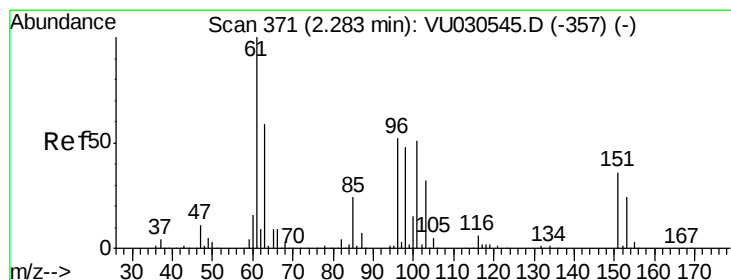
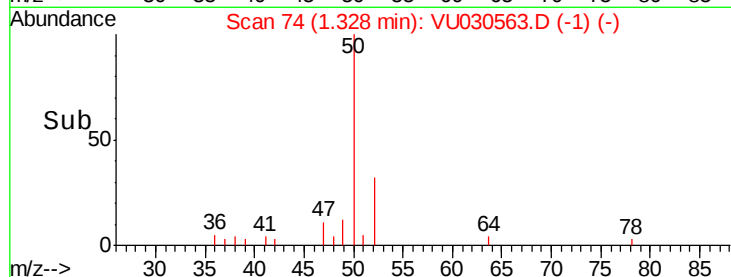
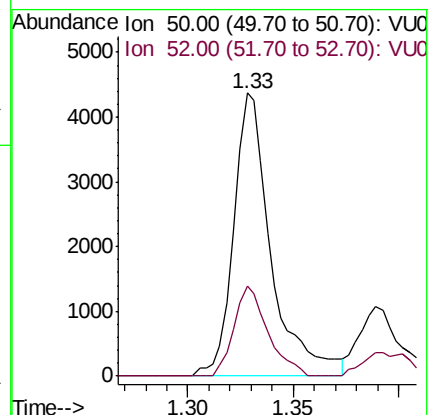
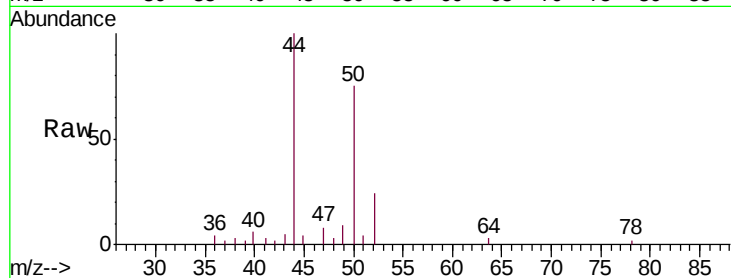
BF2L6

Tgt Ion: 50 Resp: 5376

Ion Ratio Lower Upper

50 100

52 31.6 23.0 42.6



#10

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

Concen: 0.700 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

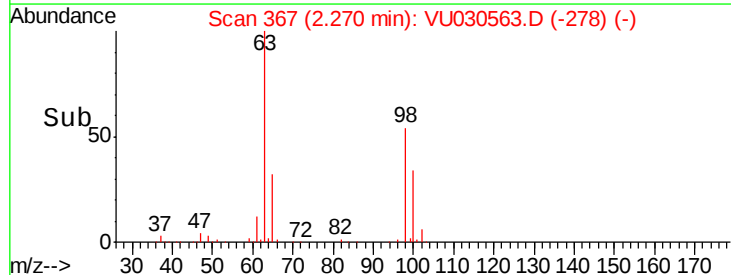
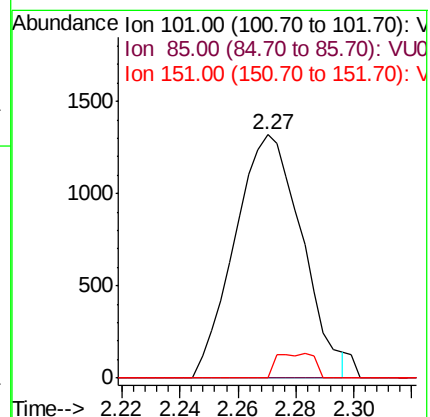
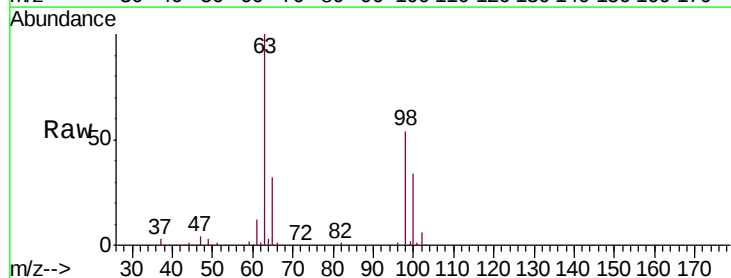
Tgt Ion: 101 Resp: 2119

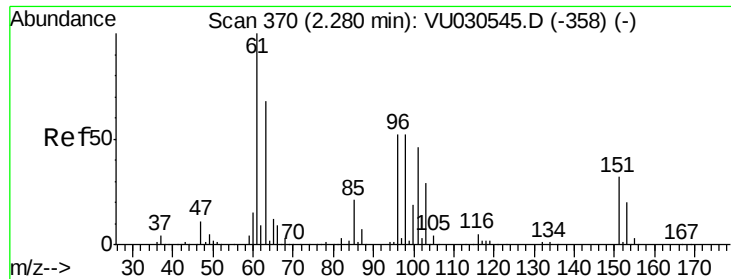
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 3.4 56.6 85.0#





#12

1,1-Dichloroethene

Concen: 1.169 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampled :

BF2L6

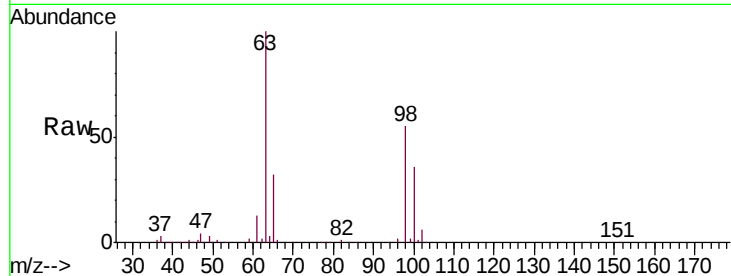
Tgt Ion: 96 Resp: 3467

Ion Ratio Lower Upper

96 100

61 836.6 131.0 243.4#

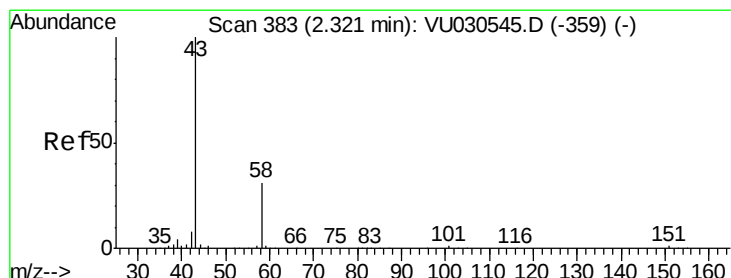
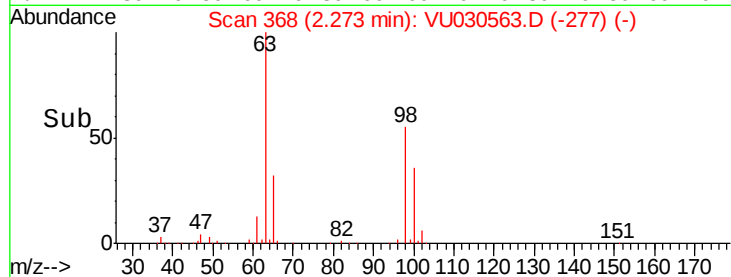
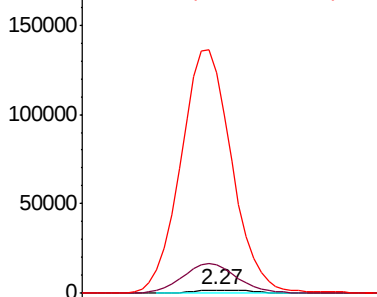
63 6497.3 92.4 171.6#



Abundance Ion 96.00 (95.70 to 96.70): VU030545.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU030545.D (-358) (-)

Ion 63.00 (62.70 to 63.70): VU030545.D (-358) (-)



#13

Acetone

Concen: 2.747 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030563.D

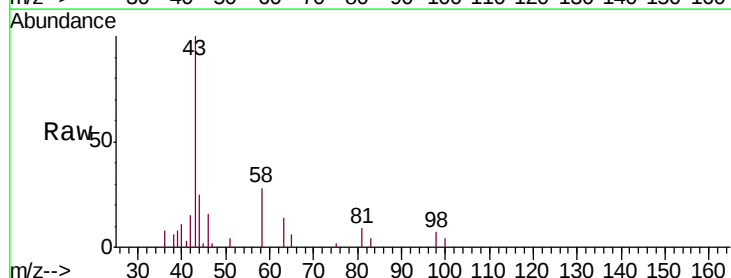
Acq: 30 Mar 2019 00:04

Tgt Ion: 43 Resp: 8713

Ion Ratio Lower Upper

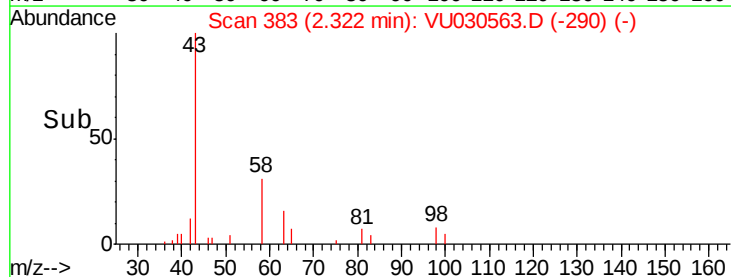
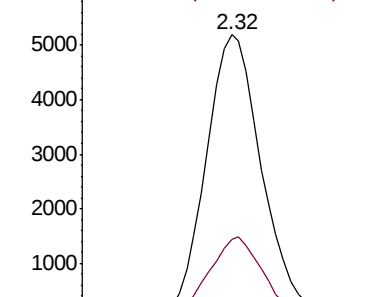
43 100

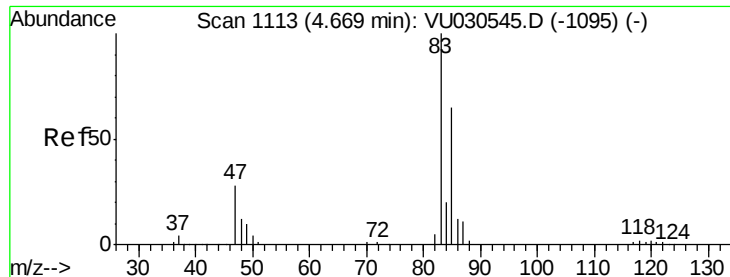
58 28.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030545.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU030545.D (-359) (-)





#25

Chloroform

Concen: 3.255 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

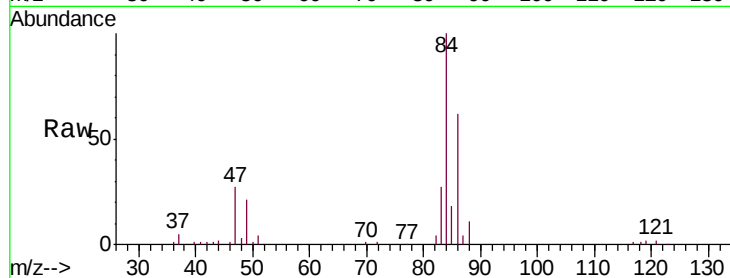
BF2L6

Tgt Ion: 83 Resp: 19758

Ion Ratio Lower Upper

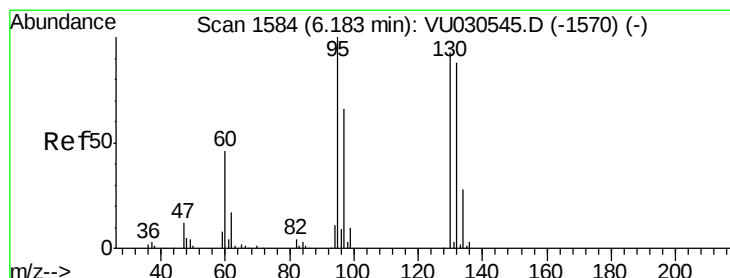
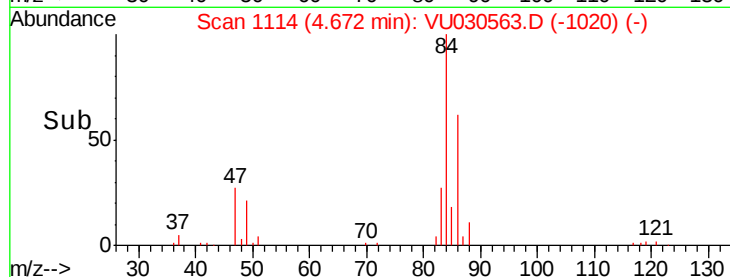
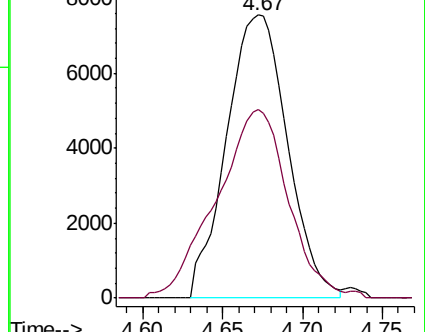
83 100

85 66.7 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030545.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030545.D (-1095) (-)



#34

Trichloroethene

Concen: 2.778 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Tgt Ion: 95 Resp: 9285

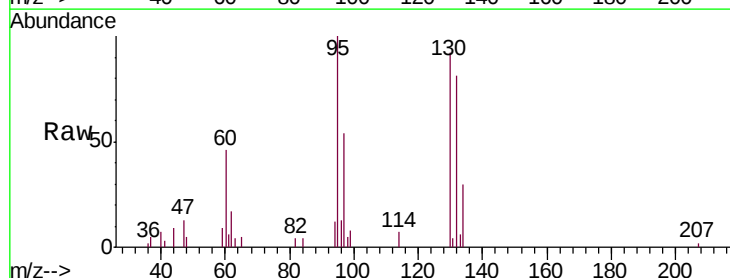
Ion Ratio Lower Upper

95 100

97 54.3 45.7 84.9

132 80.9 63.8 118.4

130 91.7 65.7 121.9

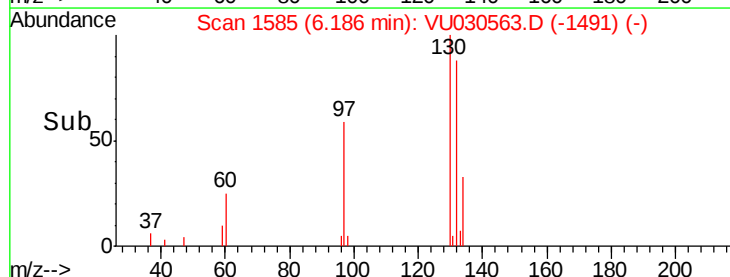
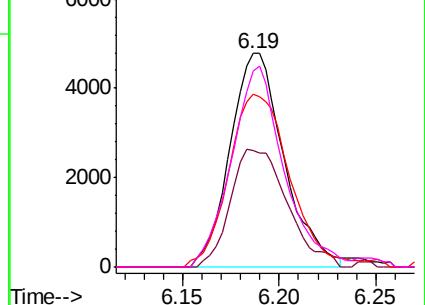


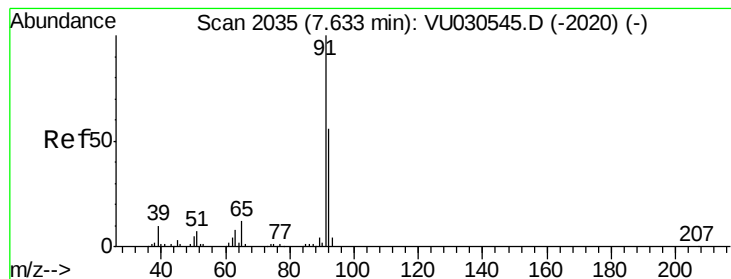
Abundance Ion 95.00 (94.70 to 95.70): VU030545.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030545.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030545.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030545.D (-1570) (-)





#42

Toluene

Concen: 0.412 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

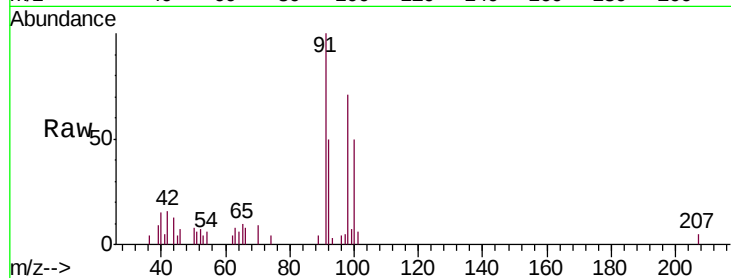
BF2L6

Tgt Ion: 91 Resp: 5813

Ion Ratio Lower Upper

91 100

92 49.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030545.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU030545.D (-2020) (-)

7.64

3000

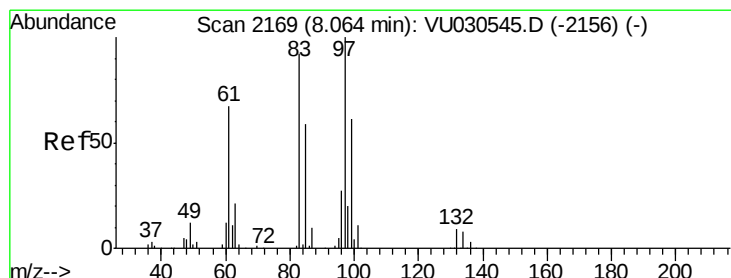
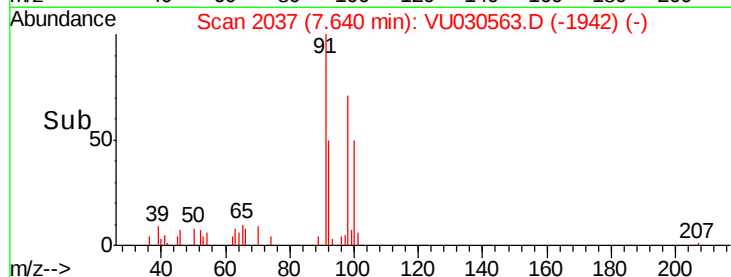
2000

1000

0

Time-->

7.60 7.65 7.70



#45

1,1,2-Trichloroethane

Concen: 0.942 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.16 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Tgt Ion: 97 Resp: 3072

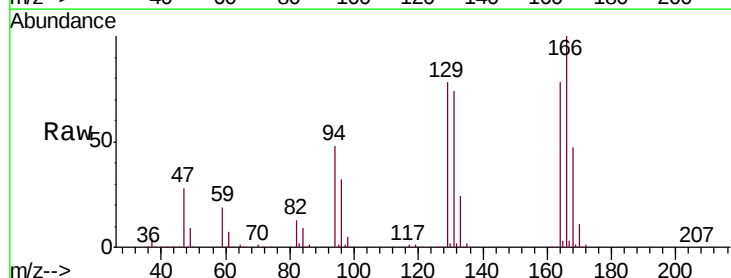
Ion Ratio Lower Upper

97 100

99 13.4 44.0 81.8#

83 302.4 65.3 121.3#

85 41.2 41.8 77.6#



Abundance Ion 97.00 (96.70 to 97.70): VU030545.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU030545.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU030545.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU030545.D (-2156) (-)

8000

6000

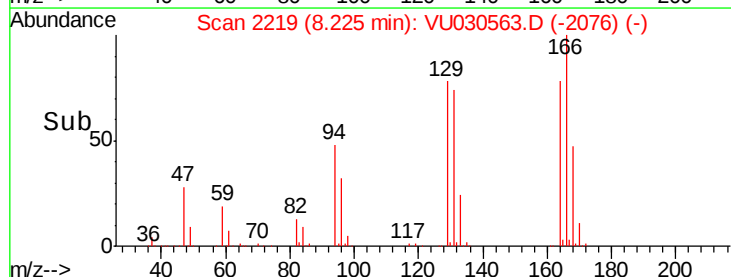
4000

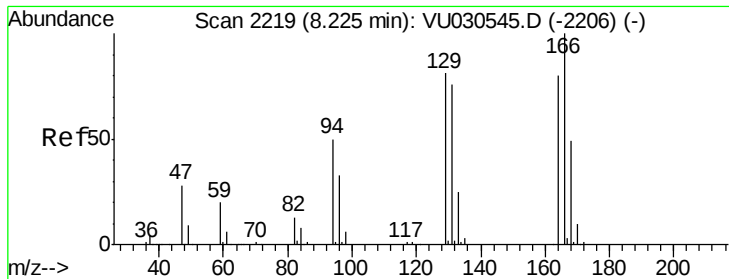
2000

0

Time-->

8.20 8.25

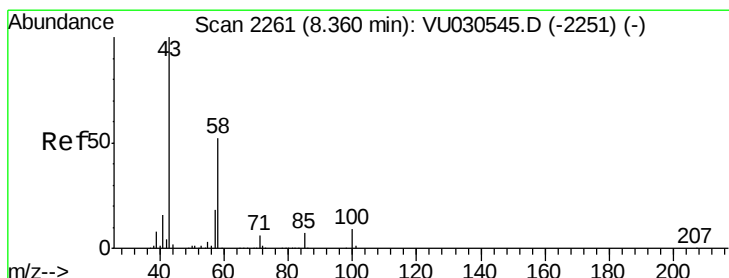
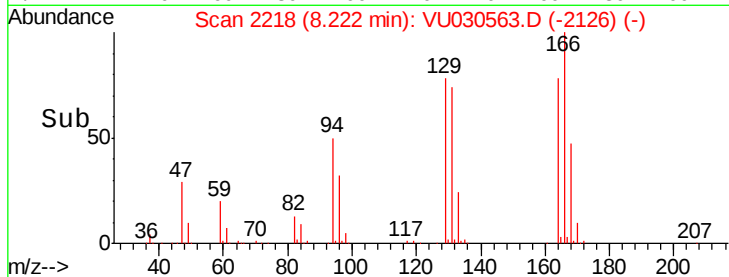
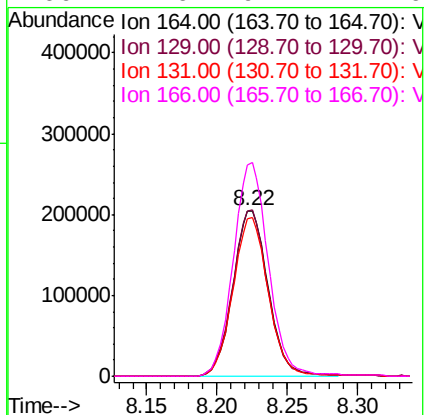
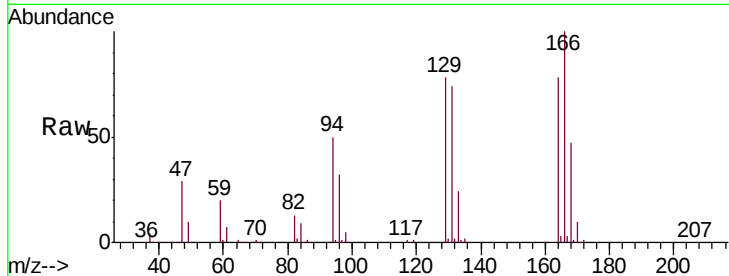




#46
Tetrachloroethene
Concen: 153.264 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030563.D
Acq: 30 Mar 2019 00:04

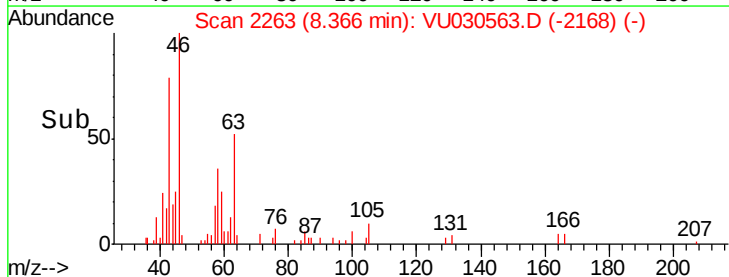
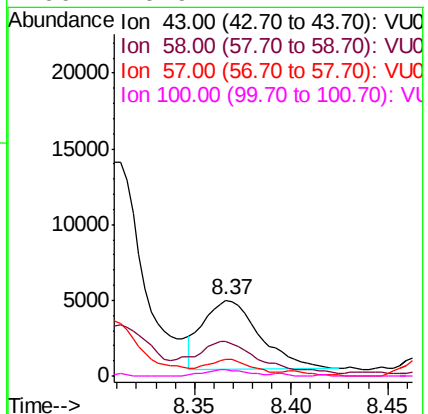
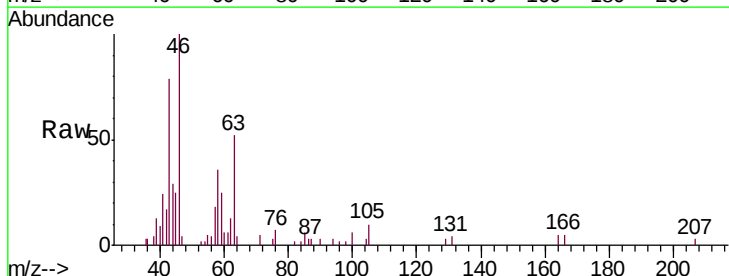
Instrument :
MSVOA_U
ClientSampleId :
BF2L6

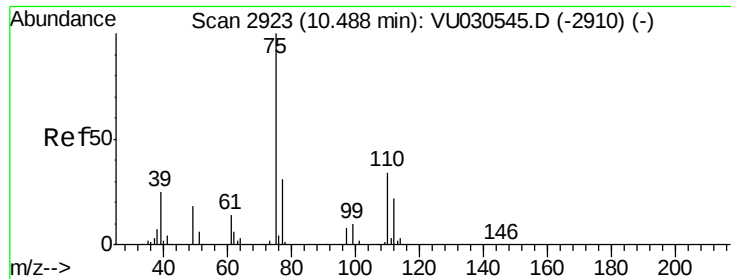
Tgt Ion:	164	Resp:	357801
Ion	Ratio	Lower	Upper
164	100		
129	100.1	68.1	126.5
131	94.7	67.7	125.7
166	127.6	92.4	171.6



#48
2-Hexanone
Concen: 1.758 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030563.D
Acq: 30 Mar 2019 00:04

Tgt Ion:	43	Resp:	9337
Ion	Ratio	Lower	Upper
43	100		
58	37.0	42.5	63.7#
57	20.2	15.0	22.6
100	6.9	7.4	11.2#





#59

1,2,3-Trichloropropane

Concen: 4.458 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030563.D

Acq: 30 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

BF2L6

Tgt Ion: 75 Resp: 20936

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2

