

Data File : VU030585.D
Acq On : 31 Mar 2019 13:20
Operator : JC/SP
Sample : K2167-15 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1C0

Quant Time: Apr 01 02:09:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	440768	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	428702	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170947	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155945	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.92%
7) Chloroethane-d5	1.68	69	128370	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.32%
11) 1,1-Dichloroethene-d2	2.27	63	237045	35.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.46%
21) 2-Butanone-d5	4.17	46	303392	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	4.64	84	278743	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.22%
26) 1,2-Dichloroethane-d4	5.31	65	187798	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	5.34	84	567507	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.33	67	200416	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.30%
41) Toluene-d8	7.56	98	491080	44.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.96%
43) trans-1,3-Dichloropropene-	7.85	79	87005	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.98%
47) 2-Hexanone-d5	8.31	63	183145	80.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.35%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271266	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	169264	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2028	0.630	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	8483	2.690	ug/L #	1
13) Acetone	2.32	43	1644	0.488	ug/L	80
20) cis-1,2-Dichloroethene	4.23	96	5705	1.538	ug/L	99
25) Chloroform	4.67	83	5493	0.851	ug/L	85
34) Trichloroethene	6.19	95	8267	2.304	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	4152	0.793	ug/L	90
46) Tetrachloroethene	8.22	164	159827	63.784	ug/L	96
48) 2-Hexanone	8.37	43	10792	1.893	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	23145	4.591	ug/L	92

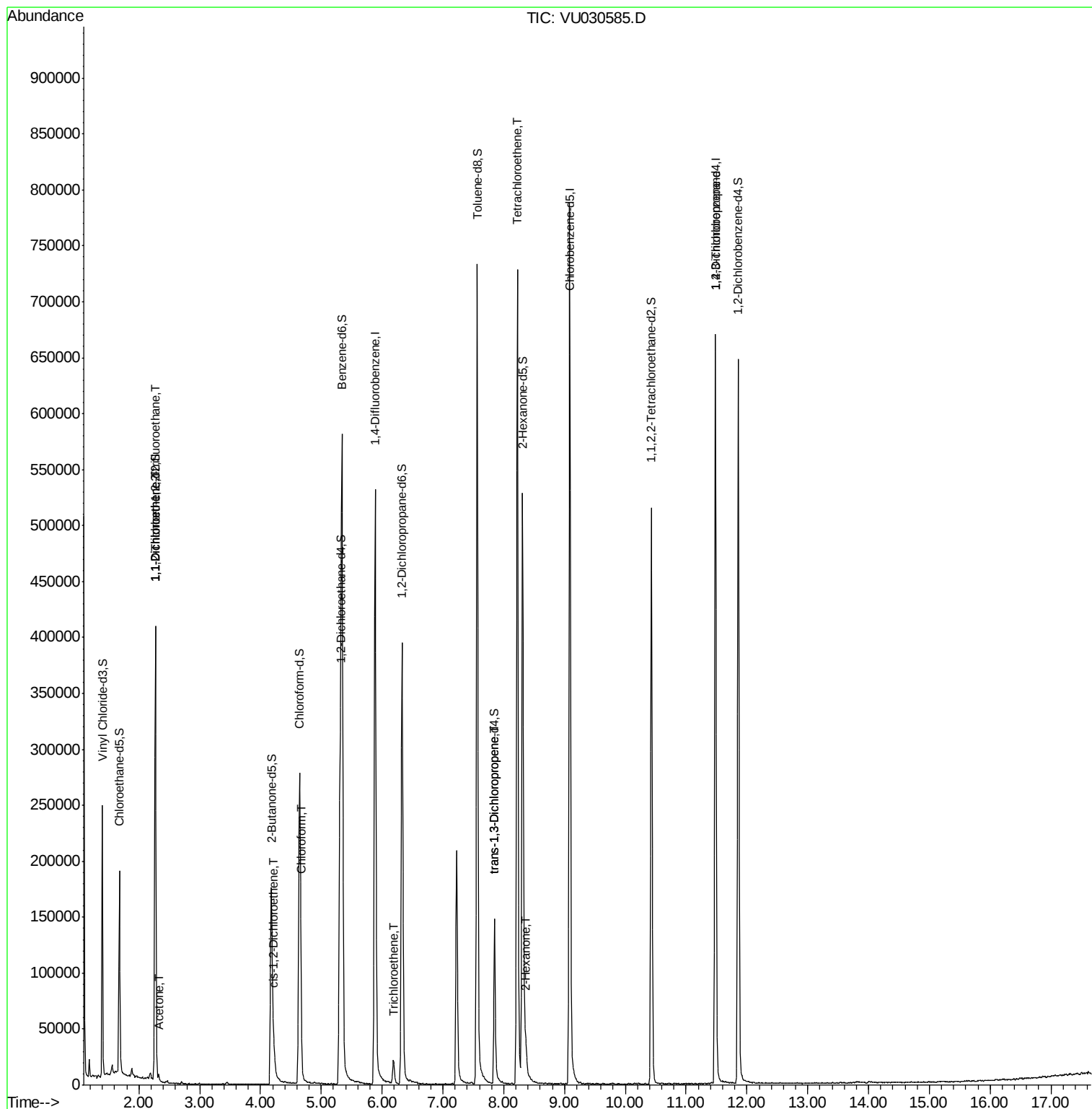
(#) = qualifier out of range (m) = manual integration (+) = signals summed

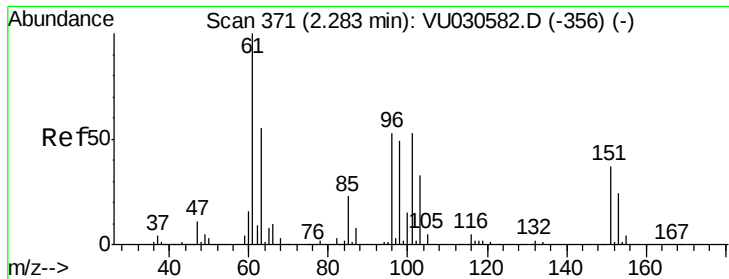
Data File : VU030585.D

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Quant Title : VOC Analysis
QLast Update : Mon Apr 01 02:05:14 2019
Response via : Initial Calibration





#10

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

Concen: 0.630 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

BF1C0

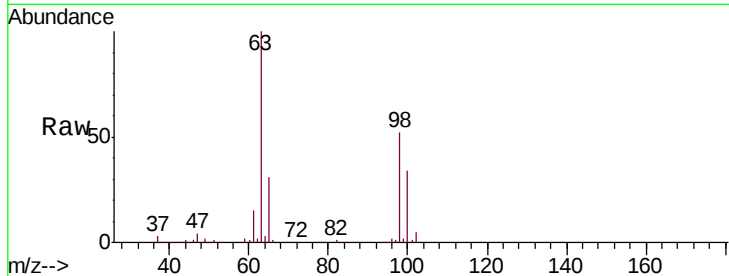
Tgt Ion: 101 Resp: 2028

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

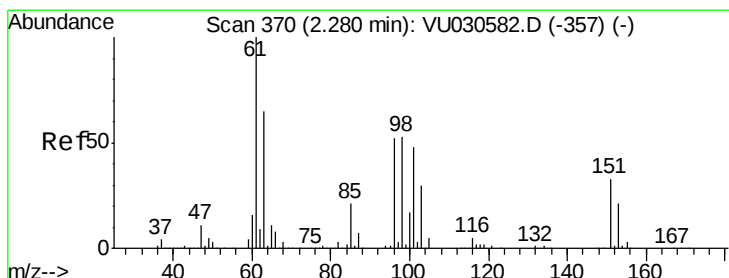
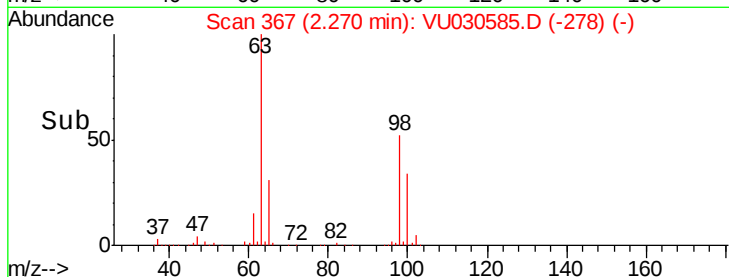
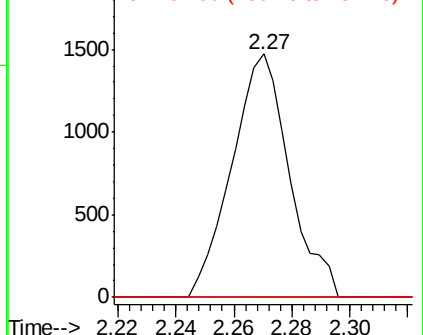
151 0.0 56.6 85.0#



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.690 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

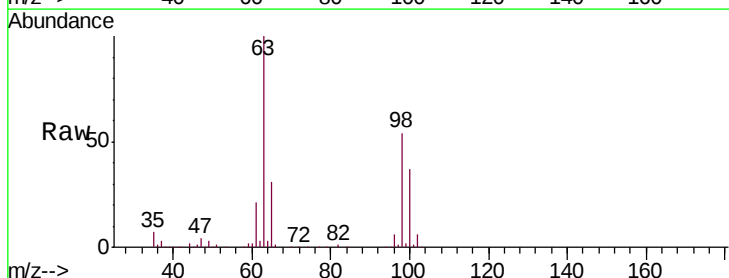
Tgt Ion: 96 Resp: 8483

Ion Ratio Lower Upper

96 100

61 345.3 131.0 243.4#

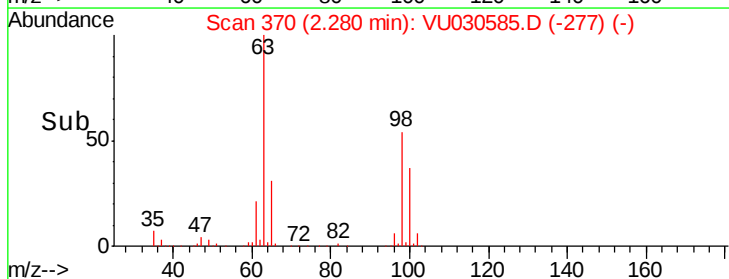
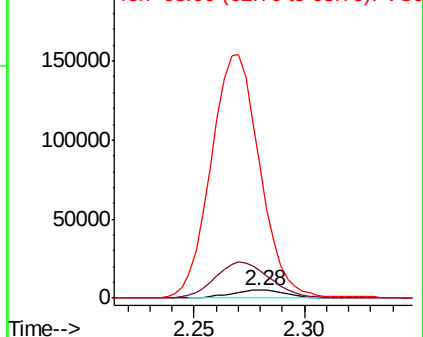
63 1619.9 92.4 171.6#

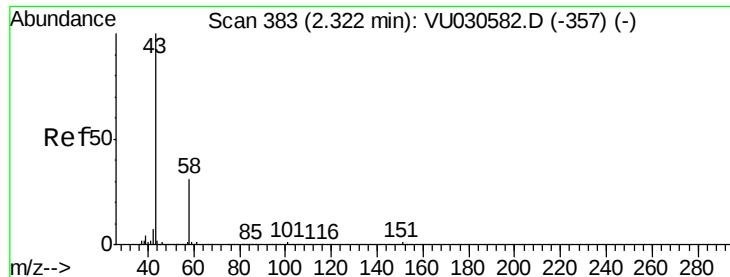


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.488 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

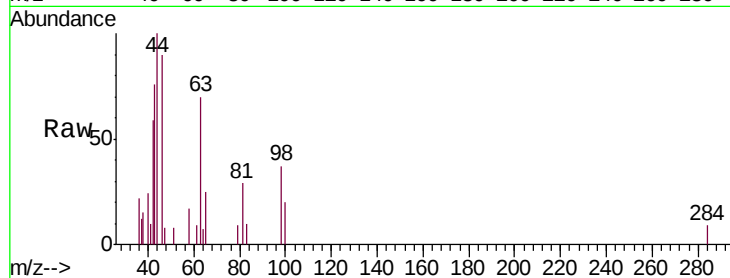
BF1C0

Tgt Ion: 43 Resp: 1644

Ion Ratio Lower Upper

43 100

58 20.2 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030582.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU030582.D (-357) (-)

1200

1000

800

600

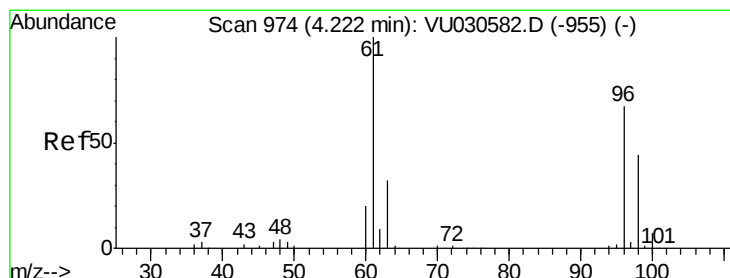
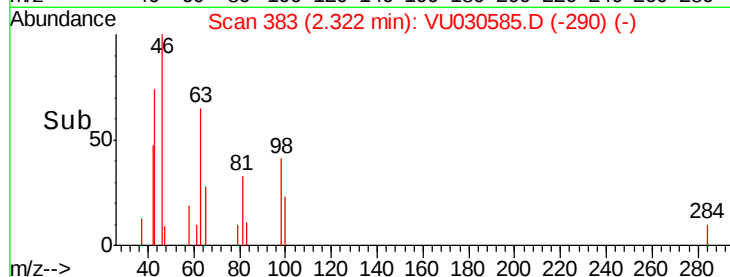
400

200

0

2.30 2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.538 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

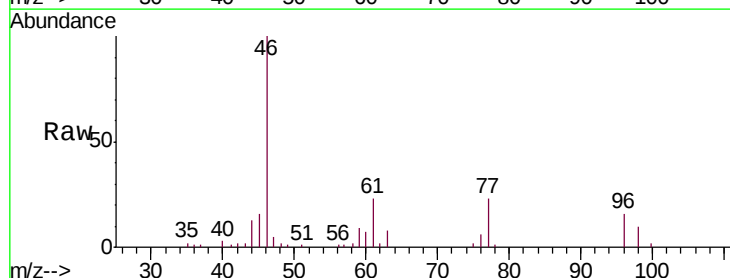
Tgt Ion: 96 Resp: 5705

Ion Ratio Lower Upper

96 100

61 141.9 98.4 182.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030582.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU030582.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU030582.D (-955) (-)

4000

3000

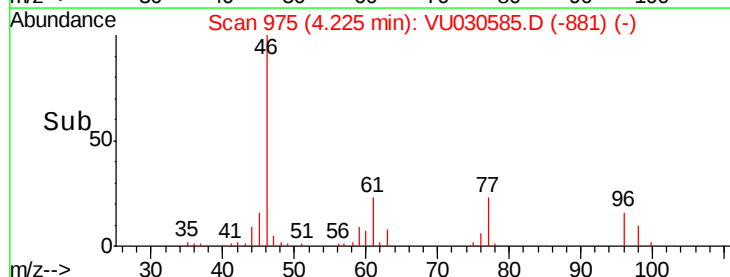
2000

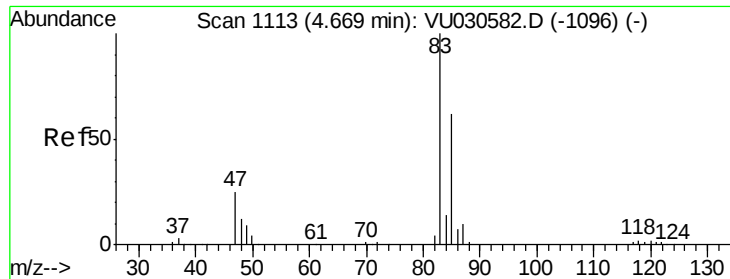
1000

0

4.15 4.20 4.25 4.30

Time-->





#25

Chloroform

Concen: 0.851 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

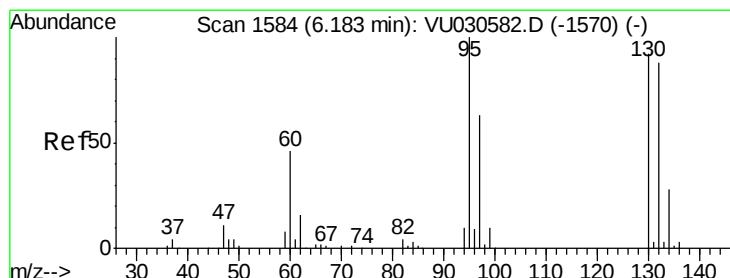
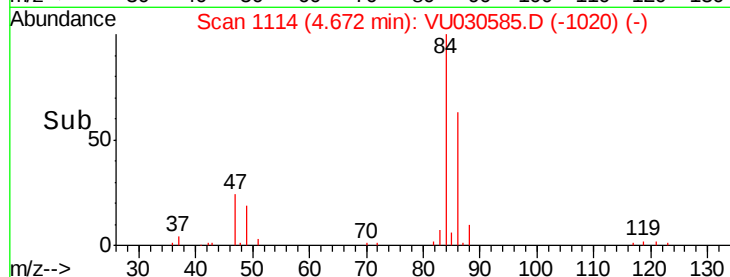
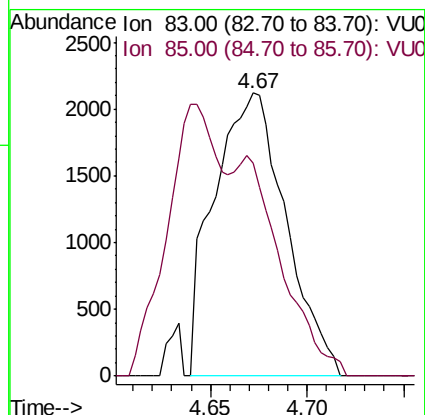
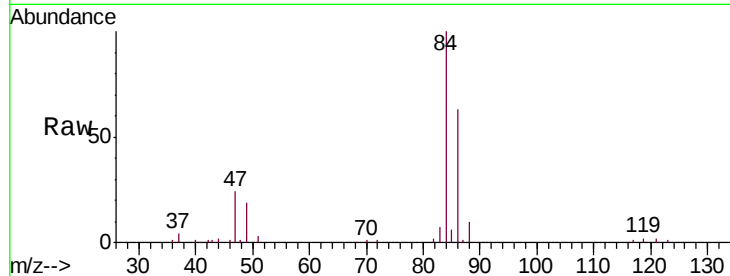
BF1C0

Tgt Ion: 83 Resp: 5493

Ion Ratio Lower Upper

83 100

85 75.2 44.4 82.4



#34

Trichloroethene

Concen: 2.304 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

Tgt Ion: 95 Resp: 8267

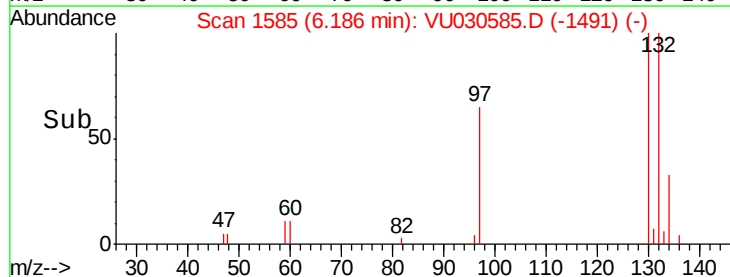
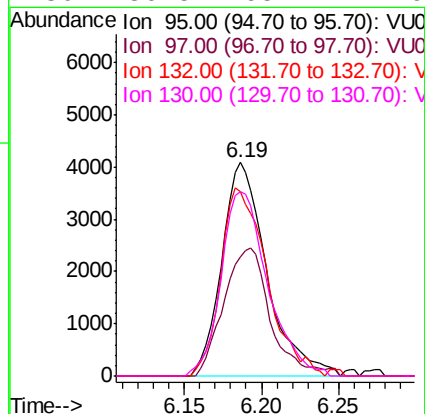
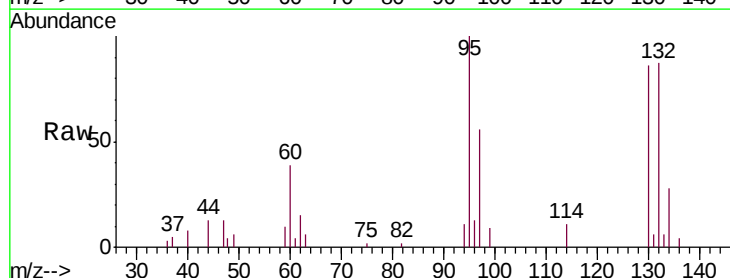
Ion Ratio Lower Upper

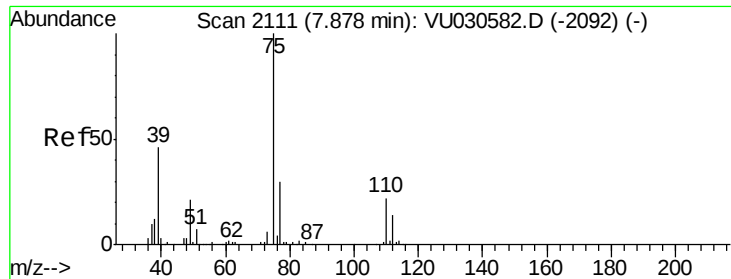
95 100

97 55.9 45.7 84.9

132 86.6 63.8 118.4

130 86.5 65.7 121.9

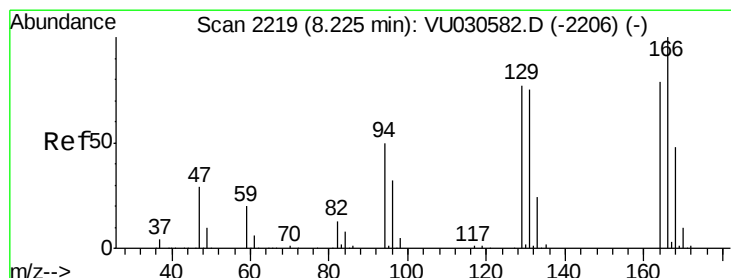
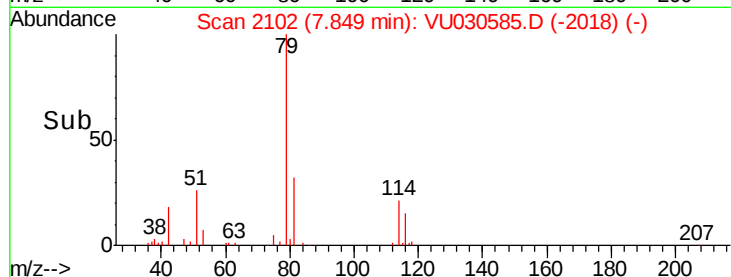
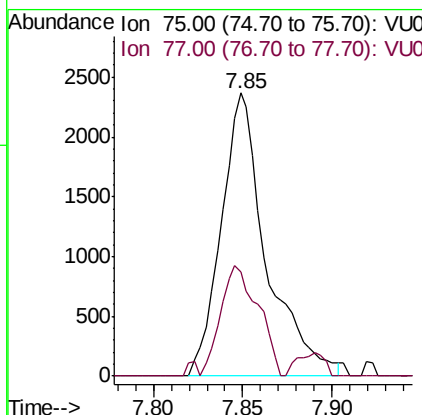
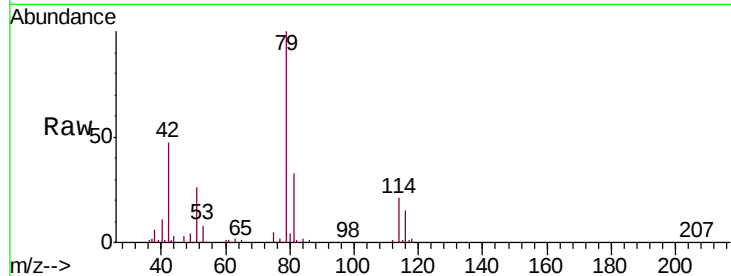




#44
trans-1,3-Dichloropropene
Concen: 0.793 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030585.D
Acq: 31 Mar 2019 13:20

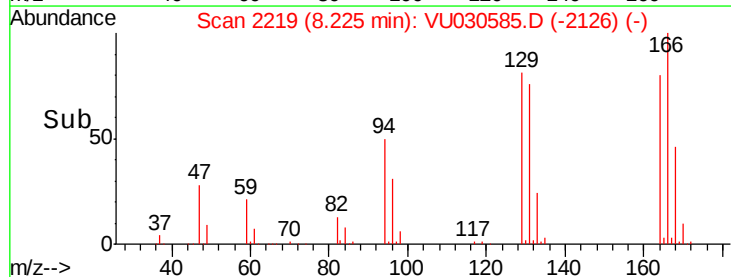
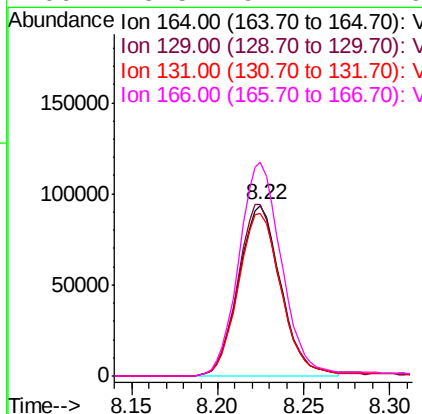
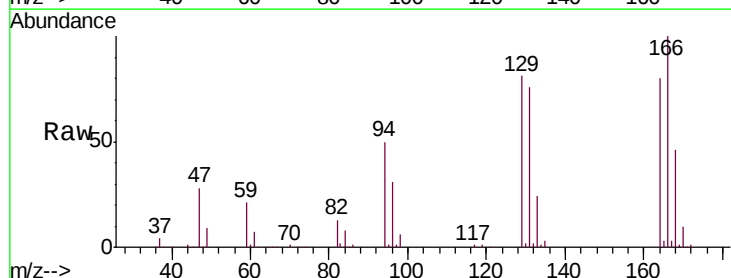
Instrument :
MSVOA_U
ClientSampleId :
BF1C0

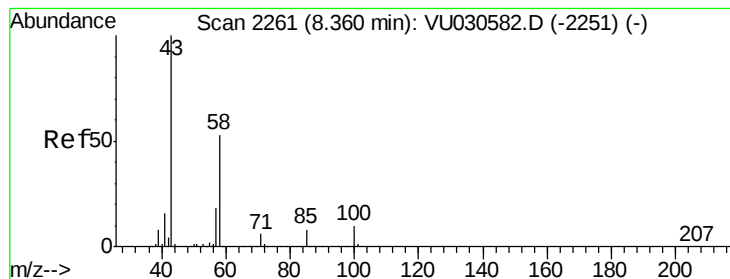
Tgt Ion: 75 Resp: 4152
Ion Ratio Lower Upper
75 100
77 36.8 22.0 40.8



#46
Tetrachloroethene
Concen: 63.784 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030585.D
Acq: 31 Mar 2019 13:20

Tgt Ion: 164 Resp: 159827
Ion Ratio Lower Upper
164 100
129 101.1 68.1 126.5
131 95.8 67.7 125.7
166 125.5 92.4 171.6





#48

2-Hexanone

Concen: 1.893 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030585.D

Acq: 31 Mar 2019 13:20

Instrument :

MSVOA_U

ClientSampleId :

BF1C0

Tgt Ion: 43 Resp: 10792

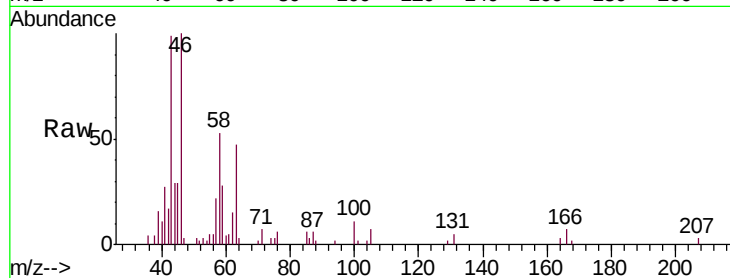
Ion Ratio Lower Upper

43 100

58 60.4 42.5 63.7

57 21.7 15.0 22.6

100 9.7 7.4 11.2

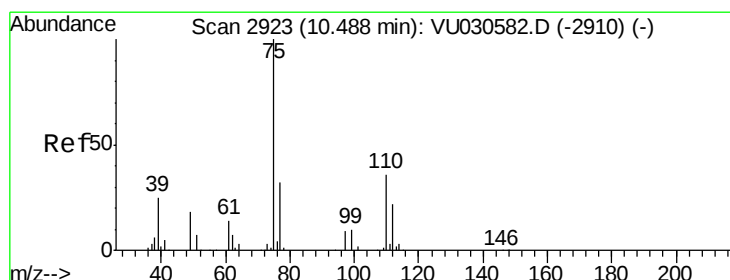
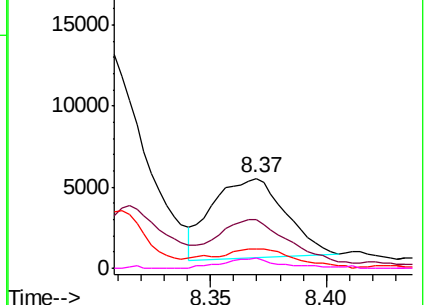
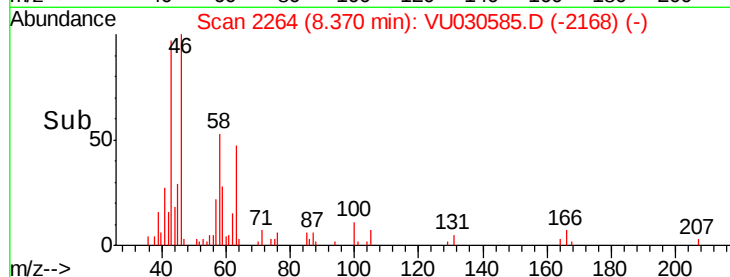


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.591 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030585.D

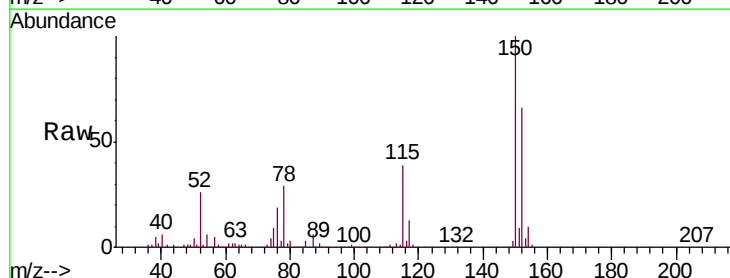
Acq: 31 Mar 2019 13:20

Tgt Ion: 75 Resp: 23145

Ion Ratio Lower Upper

75 100

77 36.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

