

Data File : VU030771.D
Acq On : 06 Apr 2019 02:57
Operator : JC/SP
Sample : K2269-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BR2

Quant Time: Apr 06 05:13:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:16:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	444296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	440628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	193163	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	203864	51.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.80%
7) Chloroethane-d5	1.68	69	156627	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.06%
11) 1,1-Dichloroethene-d2	2.48	63	234	0.03	ug/L	0.21
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.06%#
21) 2-Butanone-d5	4.17	46	324813	103.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.33%
24) Chloroform-d	4.64	84	307821	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
26) 1,2-Dichloroethane-d4	5.31	65	215269	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.34	84	628785	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
36) 1,2-Dichloropropane-d6	6.33	67	216353	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.16%
41) Toluene-d8	7.56	98	542076	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	7.85	79	82411	41.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.00%
47) 2-Hexanone-d5	8.31	63	187052	92.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290433	48.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.68%
64) 1,2-Dichlorobenzene-d4	11.63	152	108	0.03	ug/L	-0.23
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.06%#

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2260	0.710	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1898	0.618	ug/L #	1
13) Acetone	2.32	43	63826	19.843	ug/L	99
25) Chloroform	4.67	83	6246	0.923	ug/L	88
33) Benzene	5.39	78	17586	1.220	ug/L	100
34) Trichloroethene	6.19	95	4850	1.371	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	3658	0.714	ug/L #	82
48) 2-Hexanone	8.31	43	26399	5.154	ug/L #	76
51) Chlorobenzene	9.12	112	290562	32.187	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	36933	6.050	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	344344	55.452	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	1675906	273.673	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.86	75	3736	2.870	ug/L #	4
67) 1,3,5-Trichlorobenzene	13.50	180	295407	66.212	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	295407	77.874	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	210915	53.216	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Quantitation Report (Not Reviewed)

Data File : VU030771.D
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Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:16:29 2019
Response via : Initial Calibration

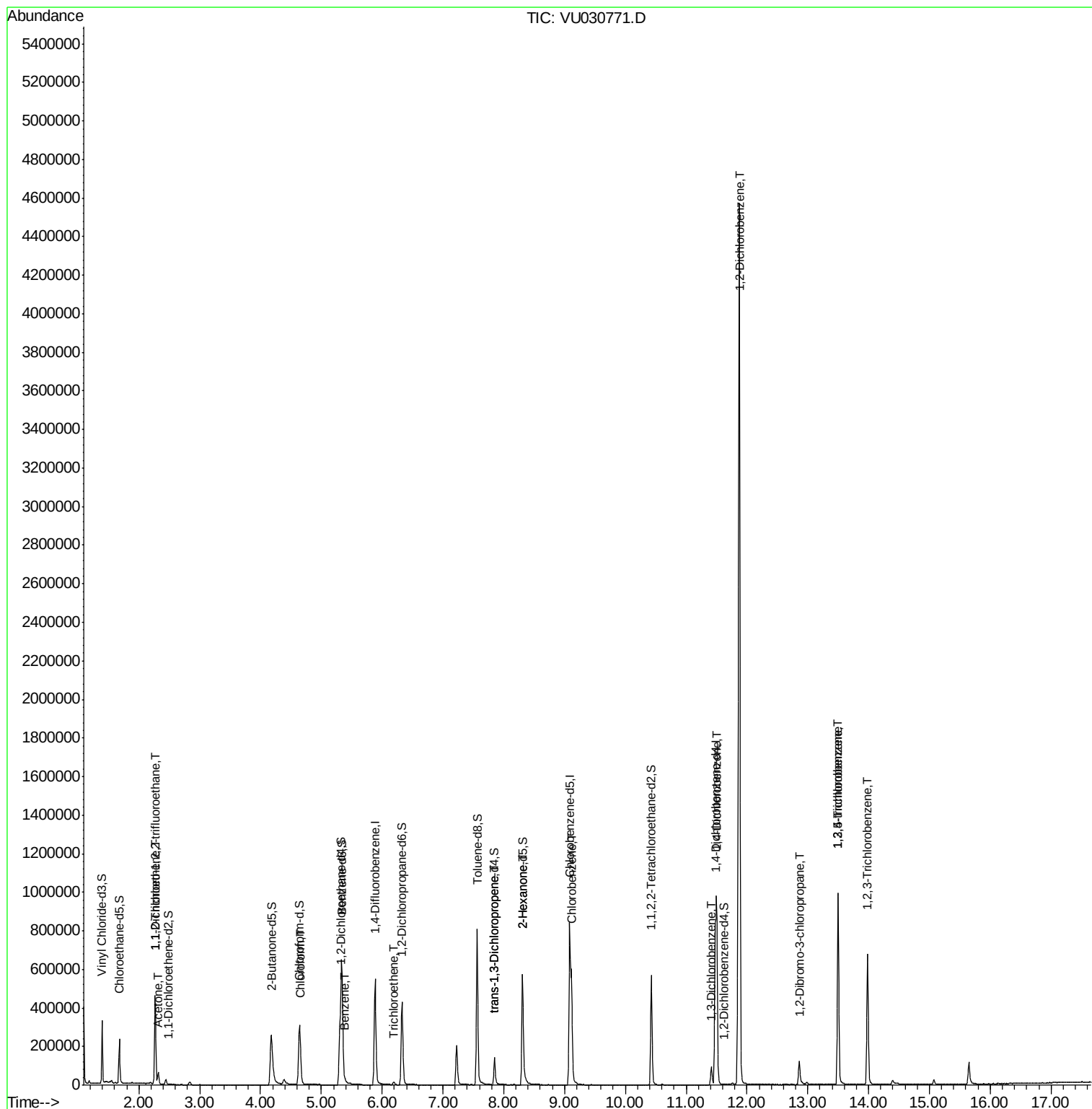
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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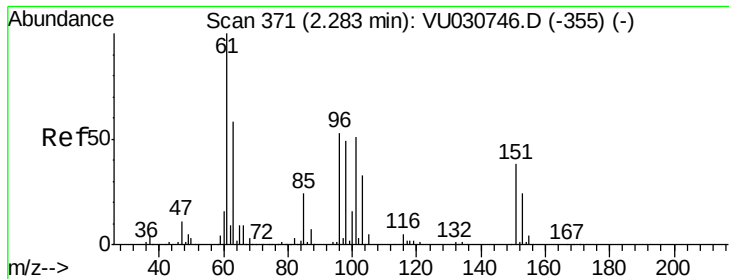
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 02:16:29 2019
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#10

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

Concen: 0.710 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

C0BR2

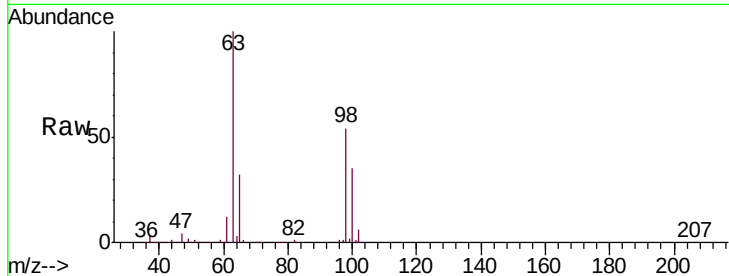
Tgt Ion: 101 Resp: 2260

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

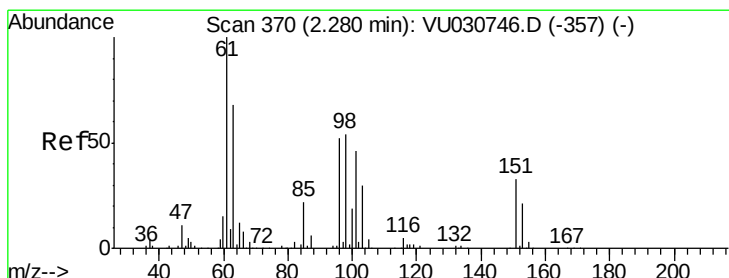
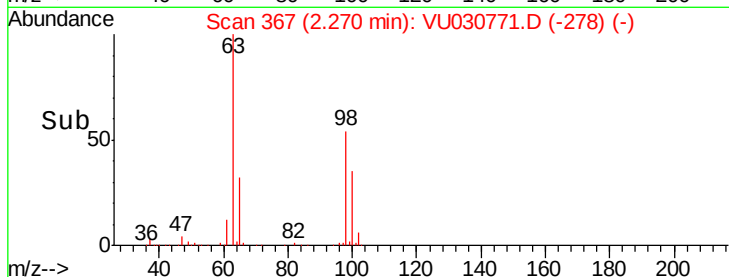
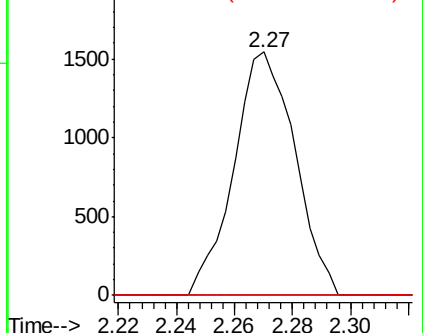
151 0.0 57.4 86.0#



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: 0.618 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

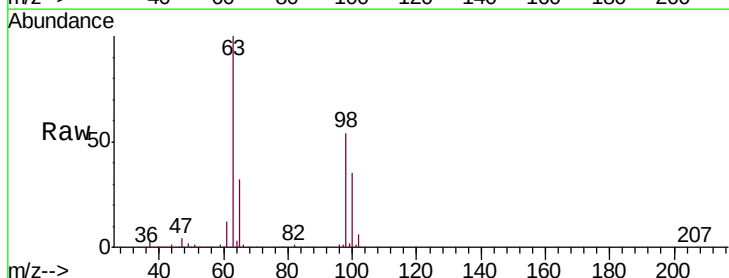
Tgt Ion: 96 Resp: 1898

Ion Ratio Lower Upper

96 100

61 1575.4 132.0 245.2#

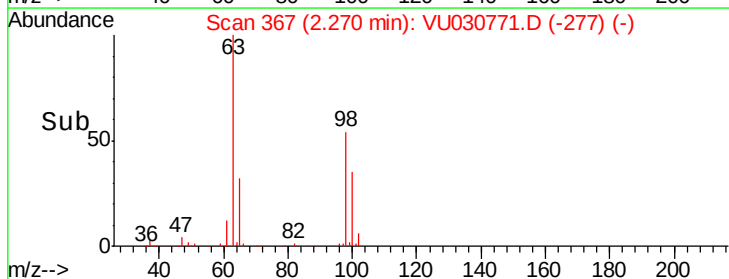
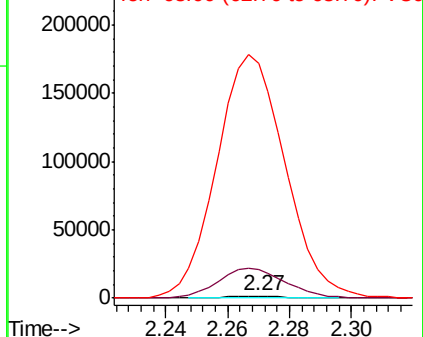
63 12896.2 90.9 168.9#

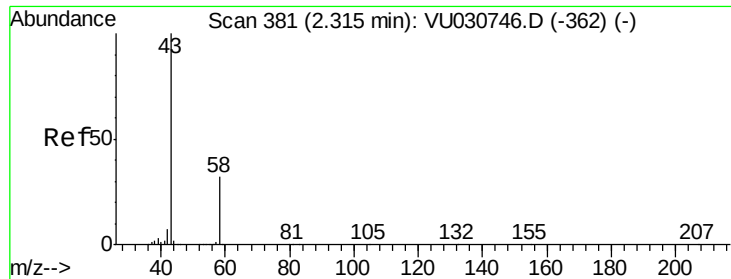


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.843 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

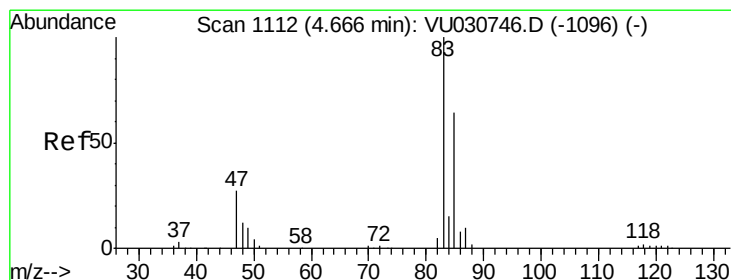
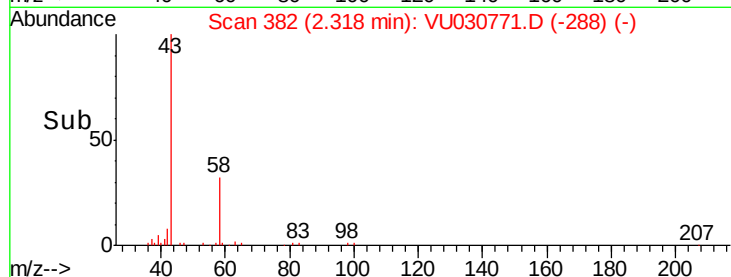
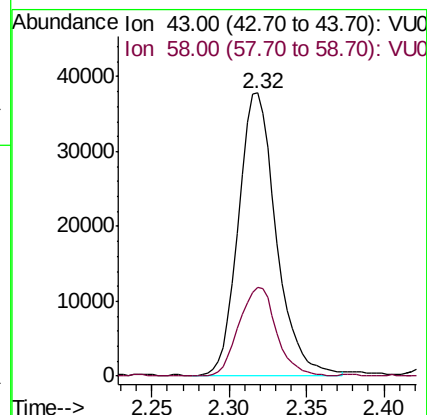
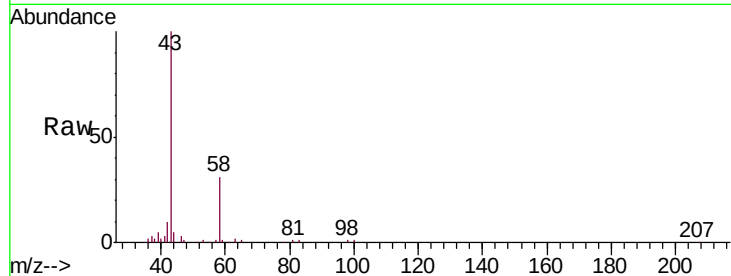
C0BR2

Tgt Ion: 43 Resp: 63826

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



#25

Chloroform

Concen: 0.923 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU030771.D

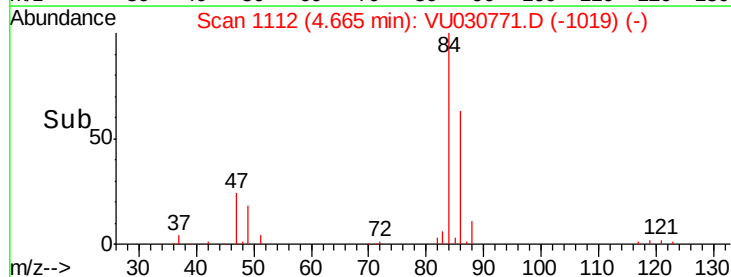
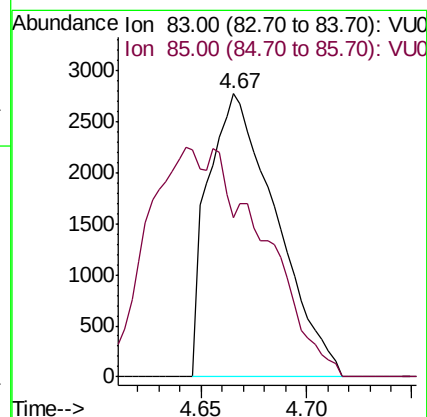
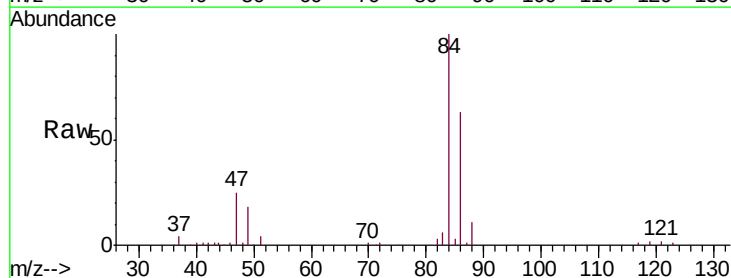
Acq: 06 Apr 2019 02:57

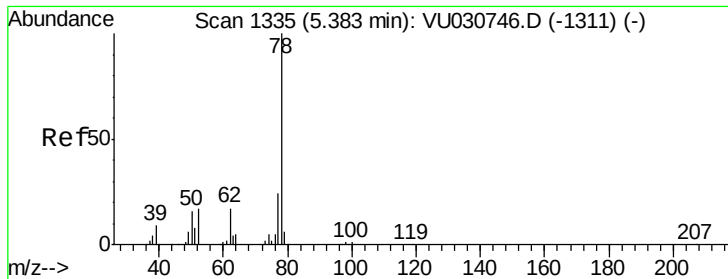
Tgt Ion: 83 Resp: 6246

Ion Ratio Lower Upper

83 100

85 56.3 45.8 85.0





#33

Benzene

Concen: 1.220 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

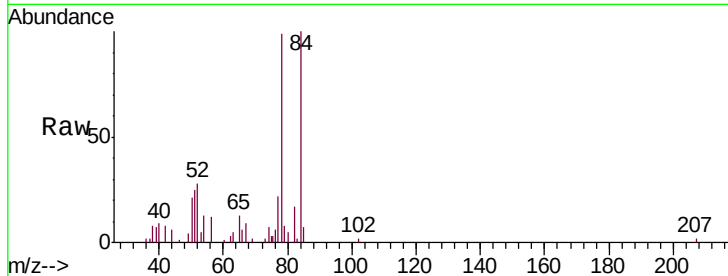
Instrument :

MSVOA_U

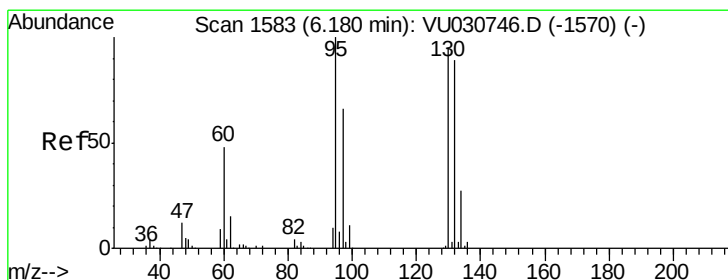
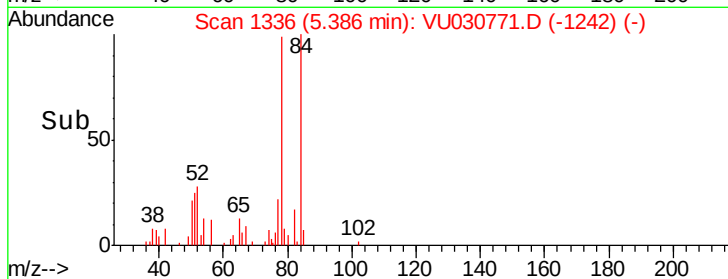
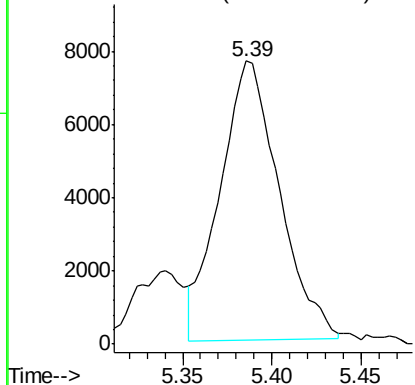
ClientSampleId :

C0BR2

Tgt Ion: 78 Resp: 17586



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.371 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Tgt Ion: 95 Resp: 4850

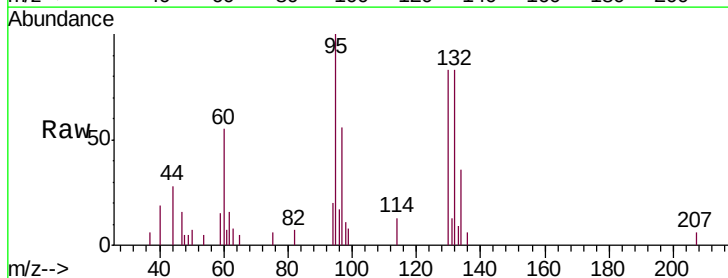
Ion	Ratio	Lower	Upper
95	100		
97	56.3	44.5	82.7
132	83.1	61.5	114.1
130	82.6	64.9	120.5

95 100

97 56.3 44.5 82.7

132 83.1 61.5 114.1

130 82.6 64.9 120.5

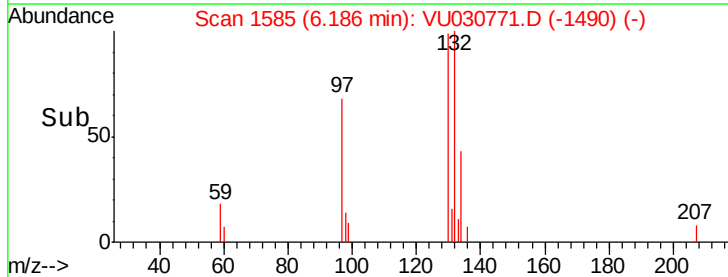
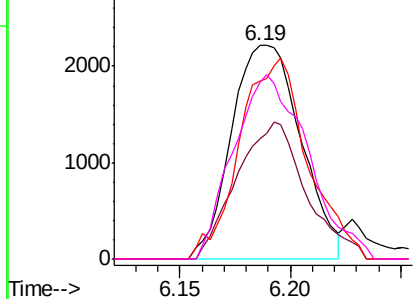


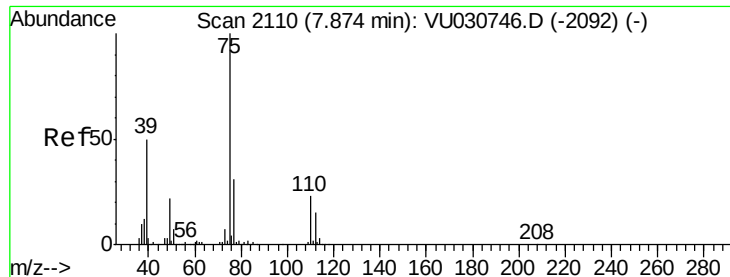
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#44

trans-1,3-Dichloropropene

Concen: 0.714 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

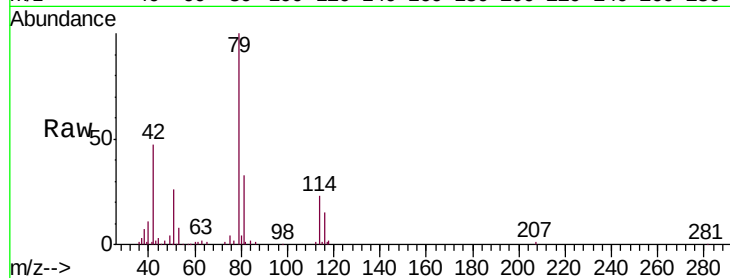
C0BR2

Tgt Ion: 75 Resp: 3658

Ion Ratio Lower Upper

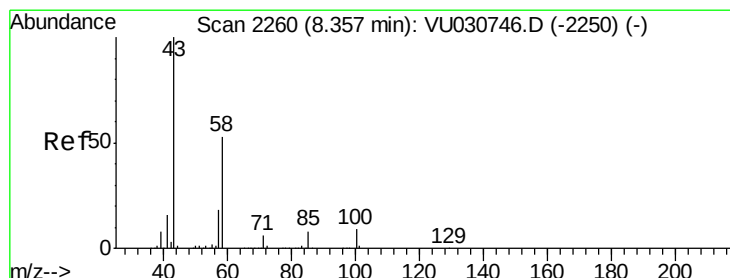
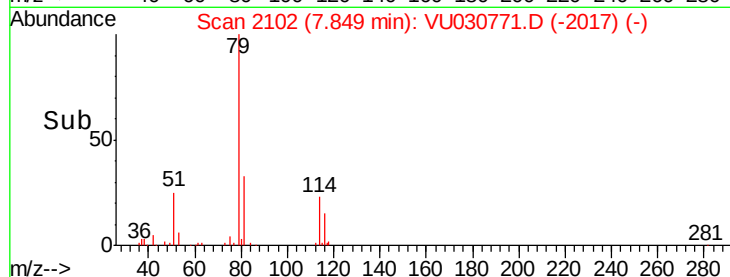
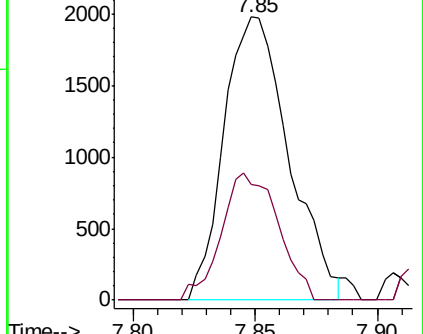
75 100

77 40.8 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU030746.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030746.D (-2092) (-)



#48

2-Hexanone

Concen: 5.154 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Tgt Ion: 43 Resp: 26399

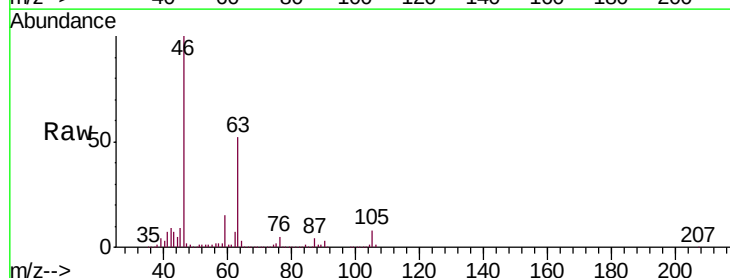
Ion Ratio Lower Upper

43 100

58 36.7 41.9 62.9#

57 30.4 14.3 21.5#

100 0.5 7.1 10.7#

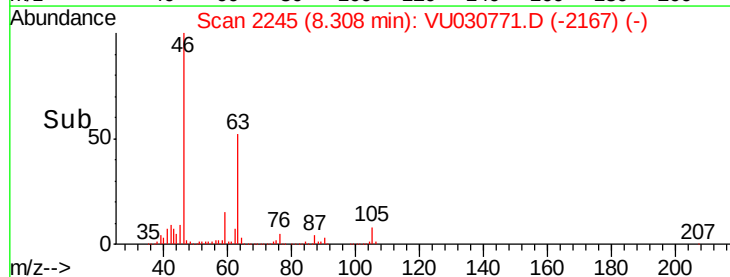
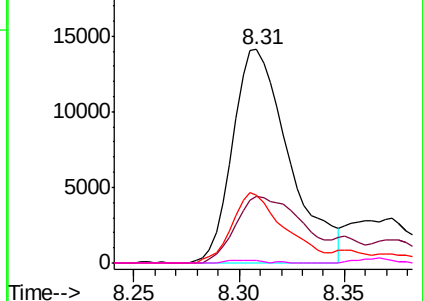


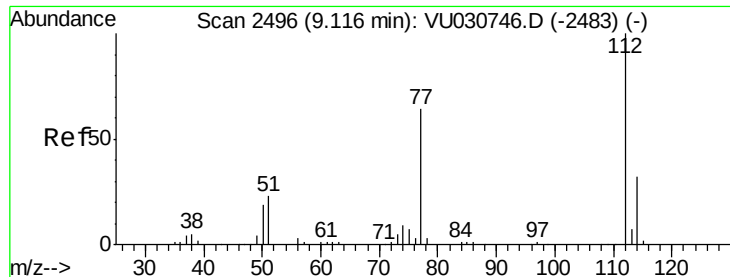
Abundance Ion 43.00 (42.70 to 43.70): VU030746.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU030746.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU030746.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU030746.D (-2250) (-)





#51

Chlorobenzene

Concen: 32.187 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

C0BR2

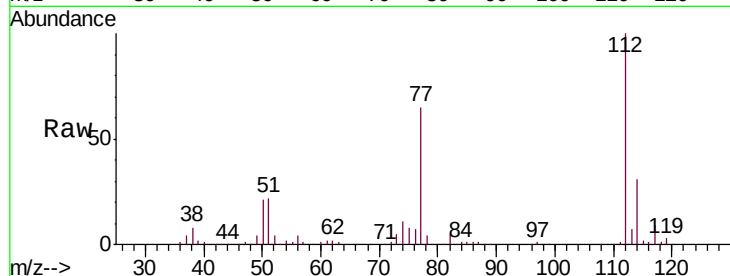
Tgt Ion:112 Resp: 290562

Ion Ratio Lower Upper

112 100

114 31.4 22.2 41.2

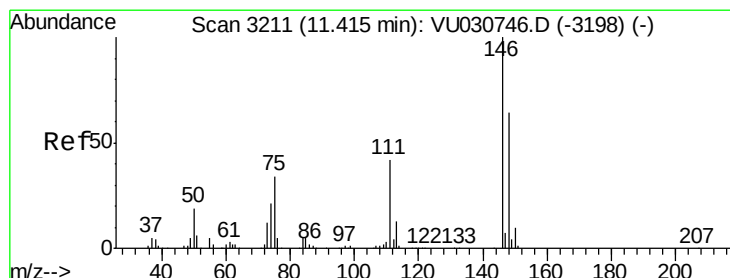
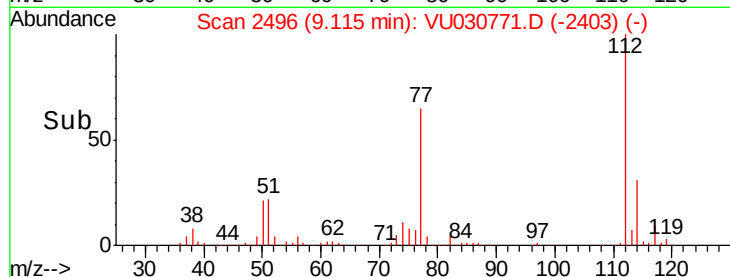
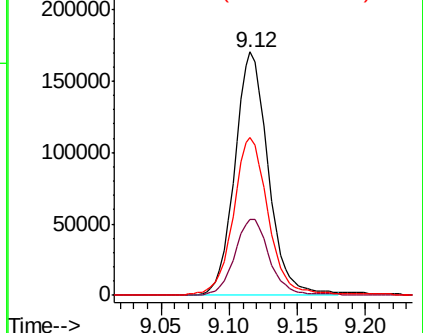
77 64.9 51.7 77.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#62

1,3-Dichlorobenzene

Concen: 6.050 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

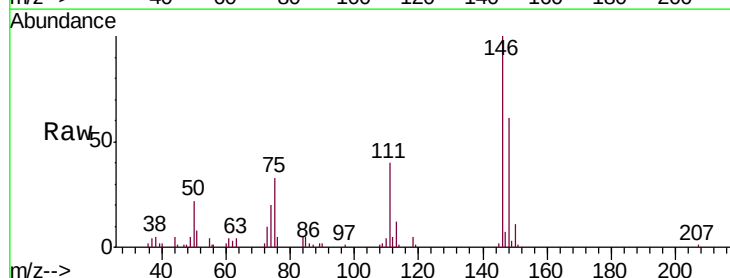
Tgt Ion:146 Resp: 36933

Ion Ratio Lower Upper

146 100

111 40.1 30.9 57.5

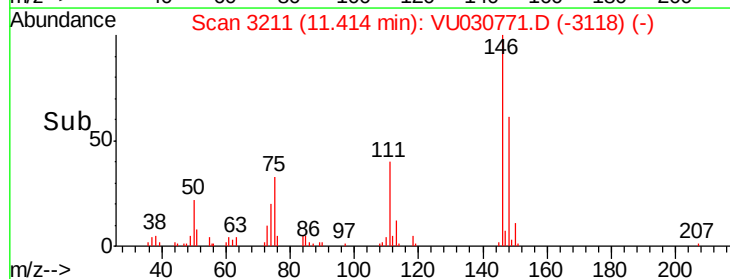
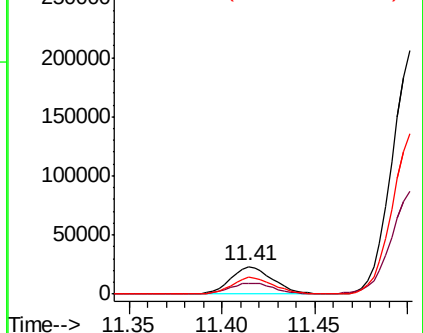
148 60.6 44.7 82.9

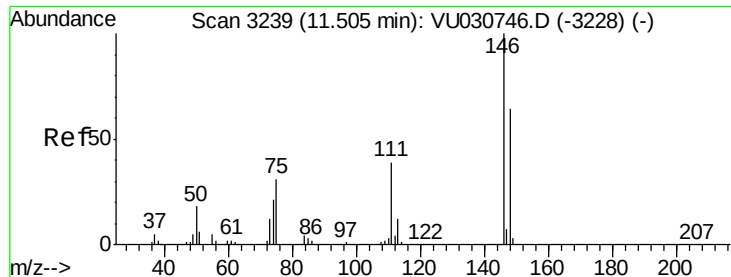


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

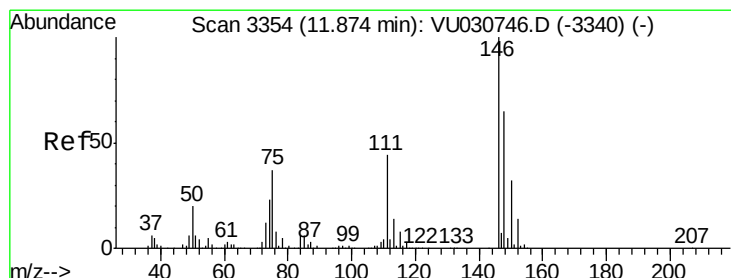
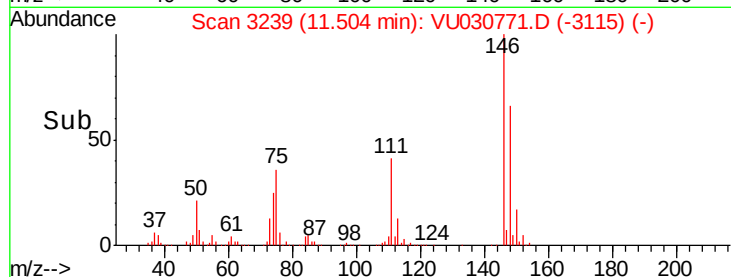
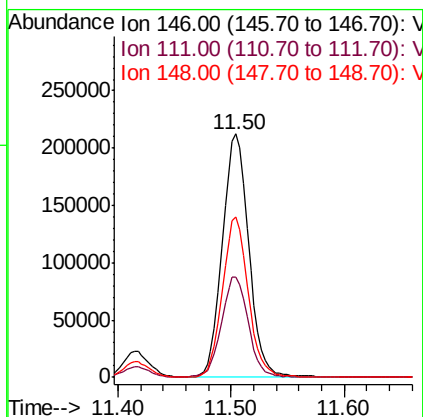
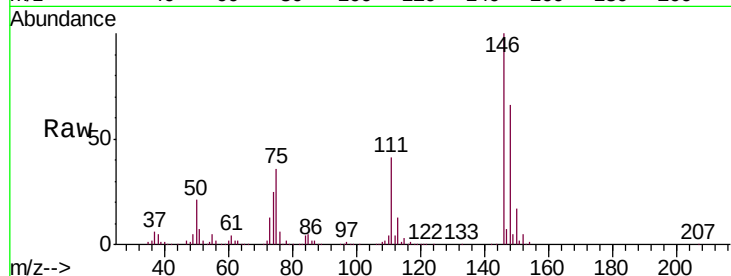




#63
 1,4-Dichlorobenzene
 Concen: 55.452 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030771.D
 Acq: 06 Apr 2019 02:57

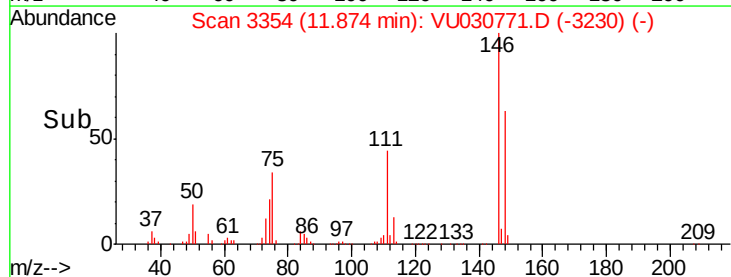
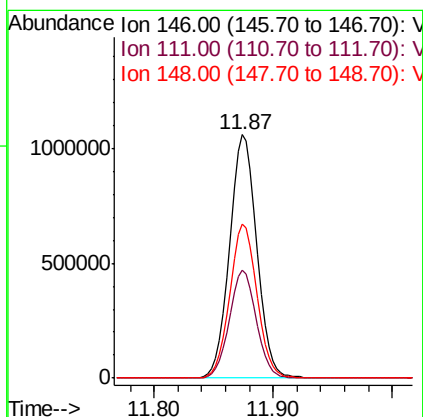
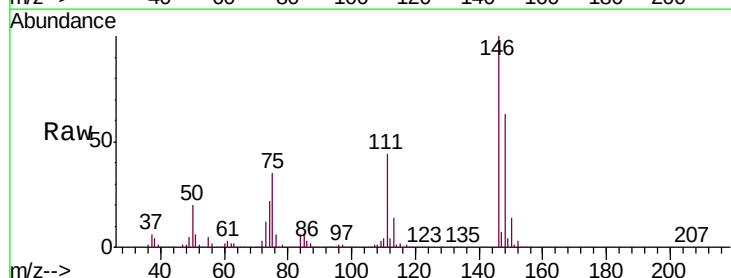
Instrument :
 MSVOA_U
 ClientSampled :
 C0BR2

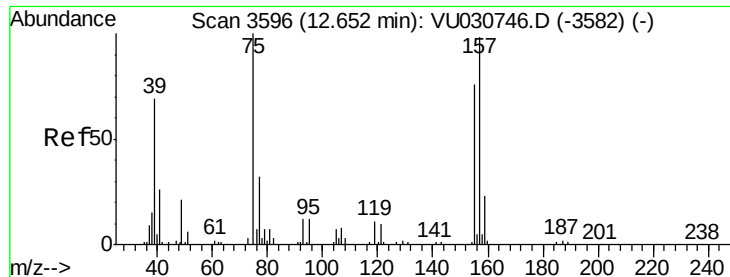
Tgt Ion:146 Resp: 344344
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.7 51.5
 148 66.0 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 273.673 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030771.D
 Acq: 06 Apr 2019 02:57

Tgt Ion:146 Resp: 1675906
 Ion Ratio Lower Upper
 146 100
 111 44.3 34.9 52.3
 148 63.2 50.4 75.6





#66

1,2-Dibromo-3-chloropropane

Concen: 2.870 ug/L

RT: 12.86 min Scan# 3661

Delta R.T. 0.21 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

C0BR2

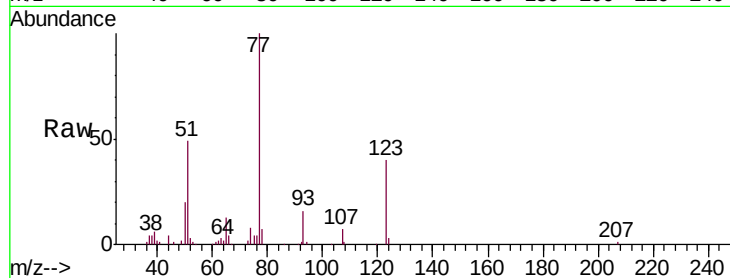
Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

155 0.0 64.1 96.1#

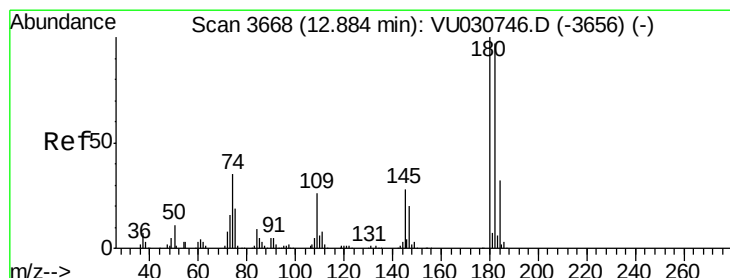
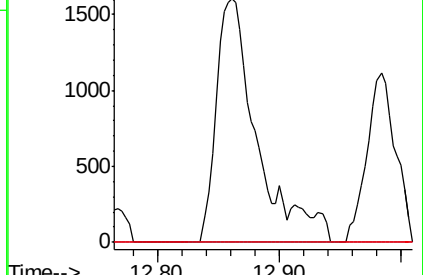
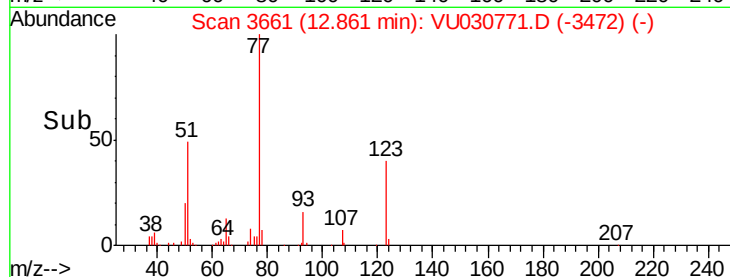
157 0.0 80.6 120.8#



Abundance Ion 75.00 (74.70 to 75.70): VU030771.D (-3472) (-)

Ion 155.00 (154.70 to 155.70): VU030771.D (-3472) (-)

Ion 157.00 (156.70 to 157.70): VU030771.D (-3472) (-)



#67

1,3,5-Trichlorobenzene

Concen: 66.212 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.61 min

Lab File: VU030771.D

Acq: 06 Apr 2019 02:57

Tgt Ion: 180 Resp: 295407

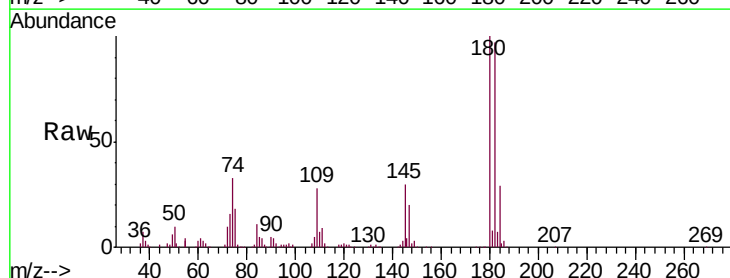
Ion Ratio Lower Upper

180 100

182 97.6 78.3 117.5

184 30.0 24.7 37.1

145 30.2 24.2 36.4

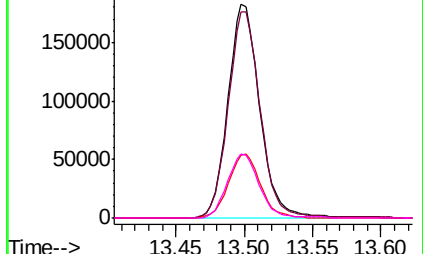
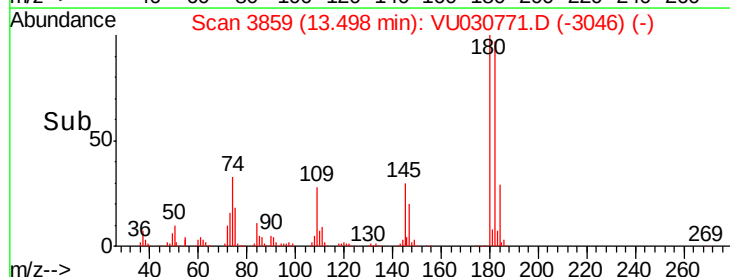


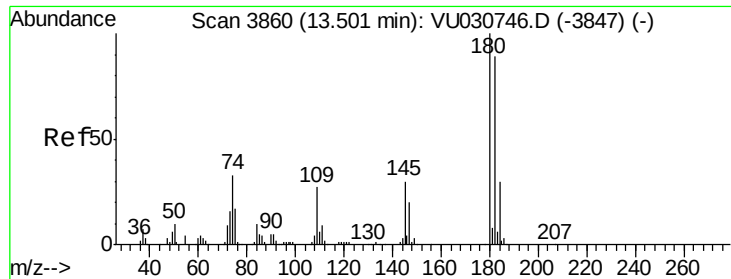
Abundance Ion 180.00 (179.70 to 180.70): VU030771.D (-3046) (-)

Ion 182.00 (181.70 to 182.70): VU030771.D (-3046) (-)

Ion 184.00 (183.70 to 184.70): VU030771.D (-3046) (-)

Ion 145.00 (144.70 to 145.70): VU030771.D (-3046) (-)

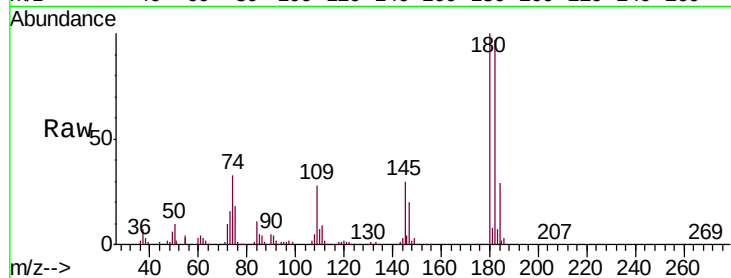




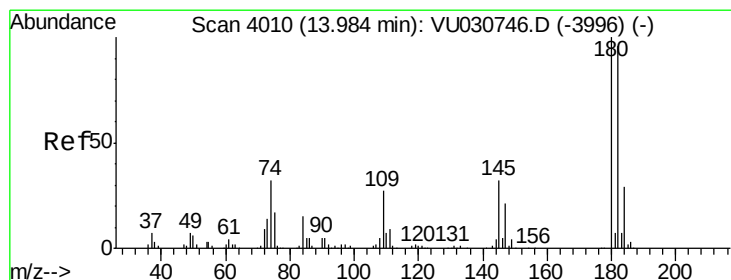
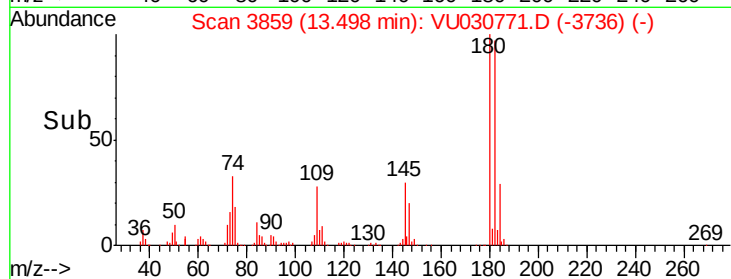
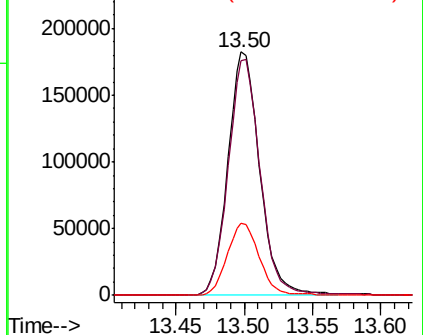
#68
 1,2,4-trichlorobenzene
 Concen: 77.874 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030771.D
 Acq: 06 Apr 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BR2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.7	115.1
145	30.2	24.4	36.6

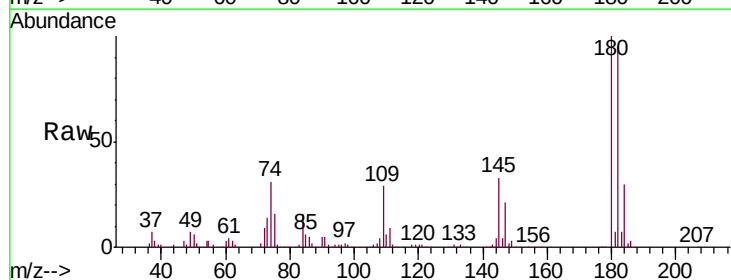


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 53.216 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030771.D
 Acq: 06 Apr 2019 02:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.1	117.1
145	33.2	26.6	40.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

