

Data File : VU030244.D
Acq On : 20 Mar 2019 23:35
Operator : JC/SP
Sample : K2017-01
Misc : 6.34g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D4

Quant Time: Mar 22 01:34:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	563588	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	564482	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	297720	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125218	32.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.72%
7) Chloroethane-d5	1.64	69	61360	20.14	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.28%#
11) 1,1-Dichloroethene-d2	2.23	63	184043	26.47	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.94%#
21) 2-Butanone-d5	4.19	46	245372	86.79	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.79%
24) Chloroform-d	4.64	84	272577	38.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.94%
26) 1,2-Dichloroethane-d4	5.30	65	165220	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.84%
32) Benzene-d6	5.33	84	577863	38.85	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.70%
36) 1,2-Dichloropropane-d6	6.32	67	184193	40.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.04%
41) Toluene-d8	7.56	98	531330	37.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.98%#
43) trans-1,3-Dichloropropene-	7.85	79	85947	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.70%
47) 2-Hexanone-d5	8.32	63	220814	92.51	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	323567	45.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	252071	42.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.34%

Target Compounds

					Qvalue
13) Acetone	2.35	43	1970	0.667 ug/L	57
34) Trichloroethene	6.18	95	315367	73.468 ug/L	99
35) Methylcyclohexane	6.32	83	43057	6.397 ug/L #	21
44) trans-1,3-Dichloropropene	7.86	75	3254	0.562 ug/L	100
46) Tetrachloroethene	8.22	164	4442	1.225 ug/L	97
48) 2-Hexanone	8.38	43	5127	1.078 ug/L #	44
49) Dibromochloromethane	8.22	129	4264	0.888 ug/L #	11
51) Chlorobenzene	9.12	112	36580	3.119 ug/L	97
59) 1,2,3-Trichloropropane	11.49	75	28513	5.058 ug/L	92
62) 1,3-Dichlorobenzene	11.42	146	13401	1.411 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	95694	9.712 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	168527	17.366 ug/L	99
67) 1,3,5-Trichlorobenzene	13.50	180	111468	15.016 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	111468	16.980 ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	17160	2.505 ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

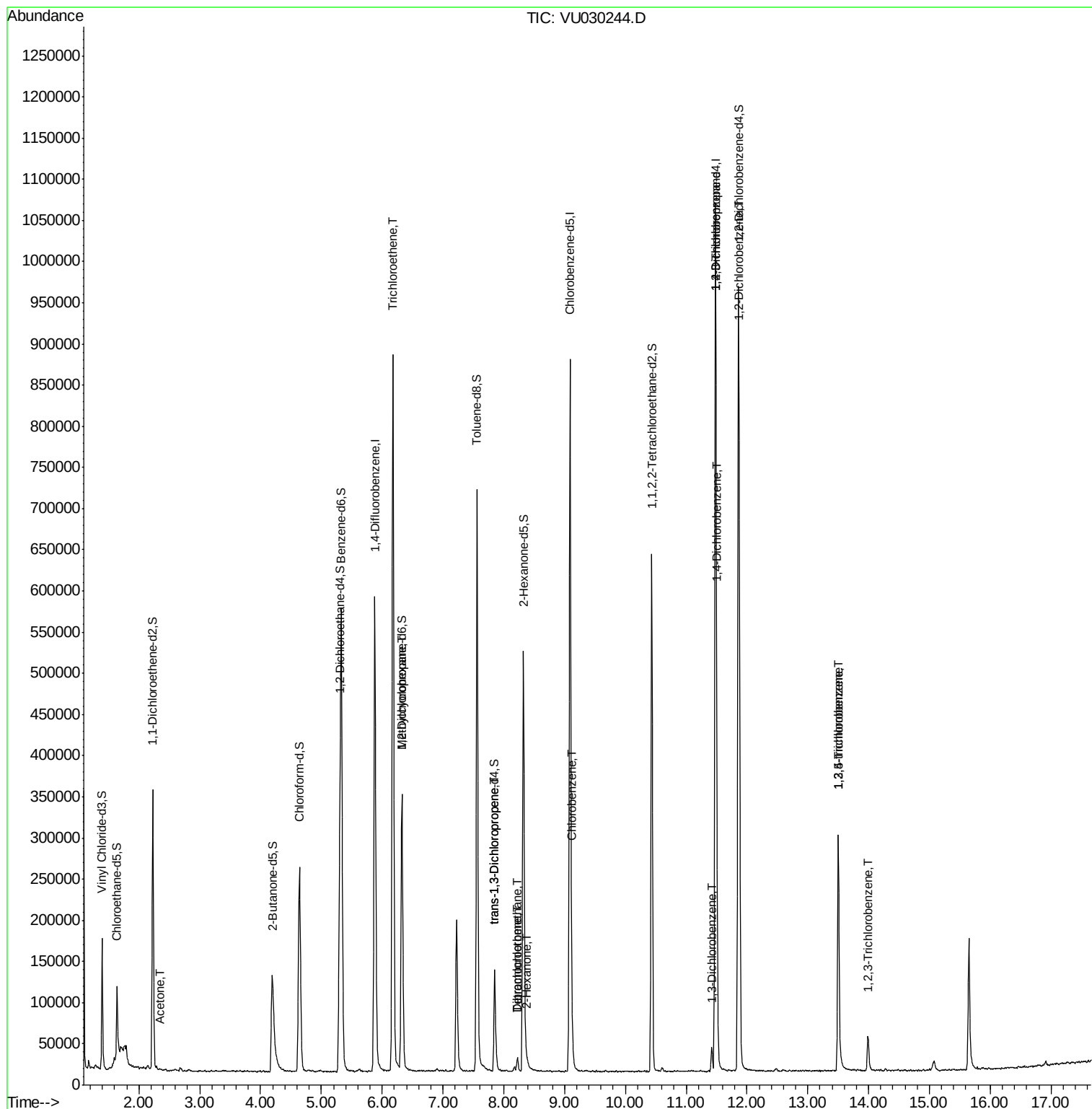
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

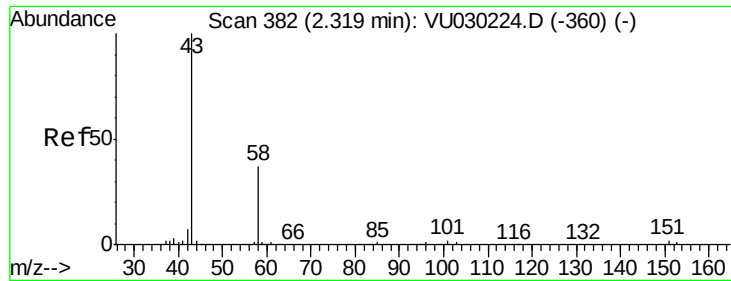
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#13

Acetone

Concen: 0.667 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.03 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

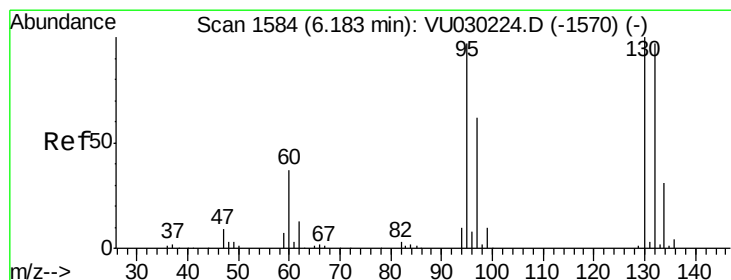
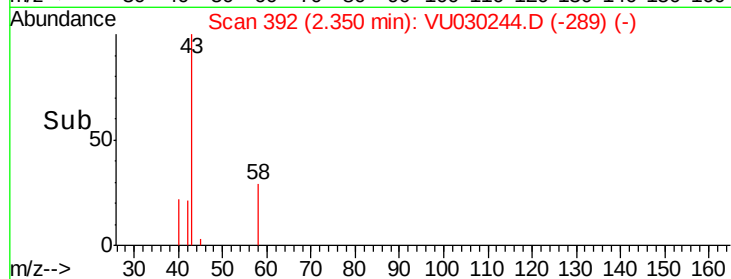
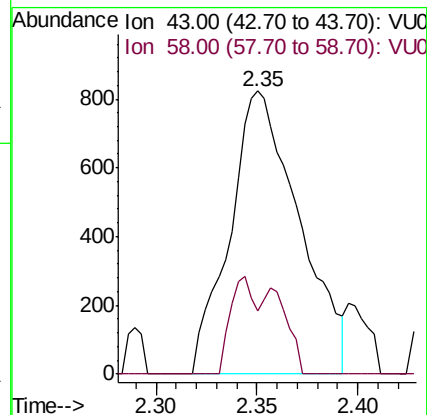
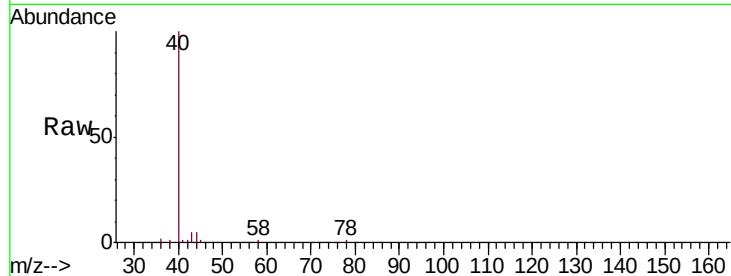
BF0D4

Tgt Ion: 43 Resp: 1970

Ion Ratio Lower Upper

43 100

58 11.0 0.0 73.4



#34

Trichloroethene

Concen: 73.468 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Tgt Ion: 95 Resp: 315367

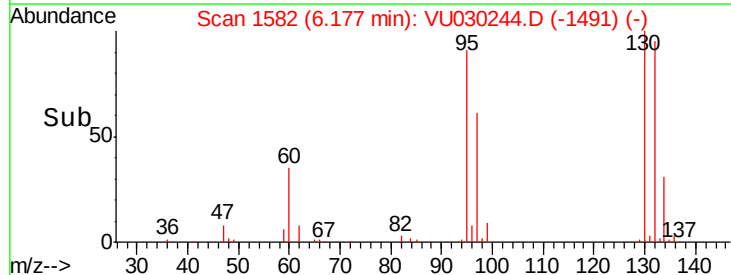
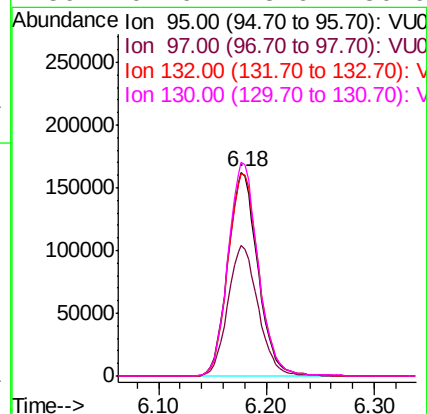
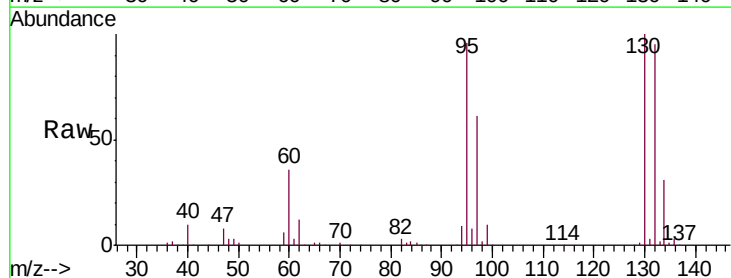
Ion Ratio Lower Upper

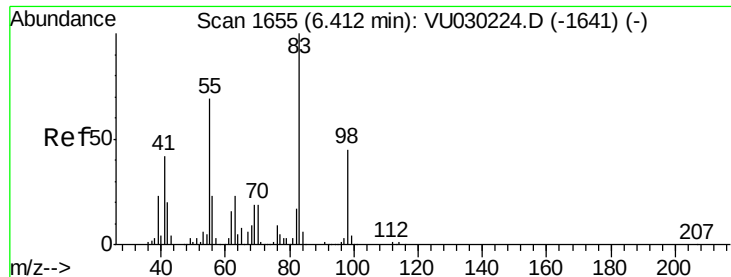
95 100

97 63.9 46.2 85.8

132 99.1 69.3 128.7

130 104.6 73.6 136.6

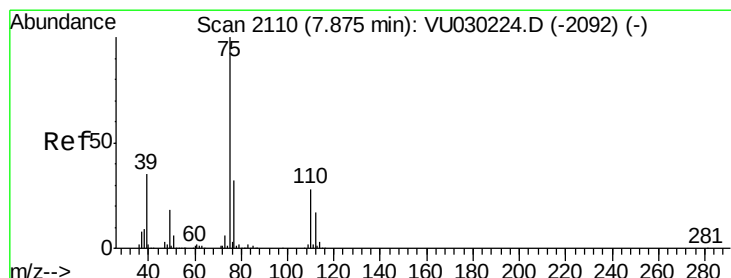
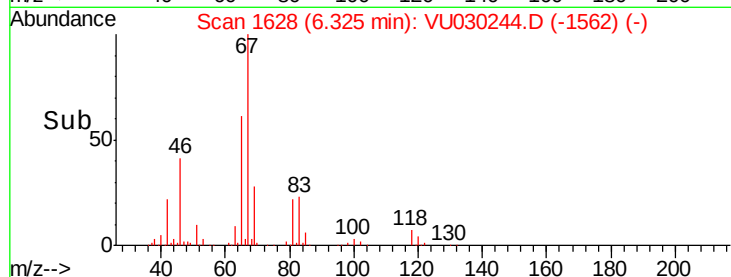
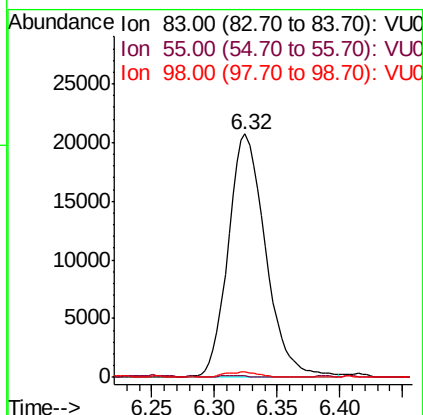
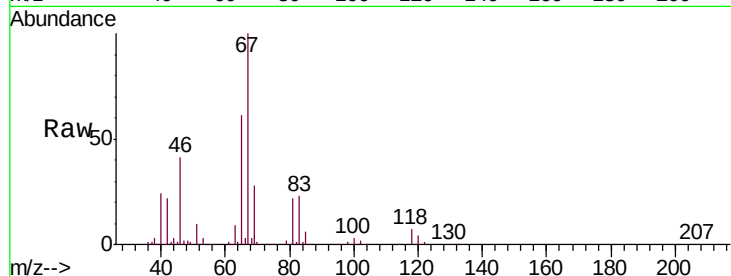




#35
Methylcyclohexane
Concen: 6.397 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.09 min
Lab File: VU030244.D
Acq: 20 Mar 2019 23:35

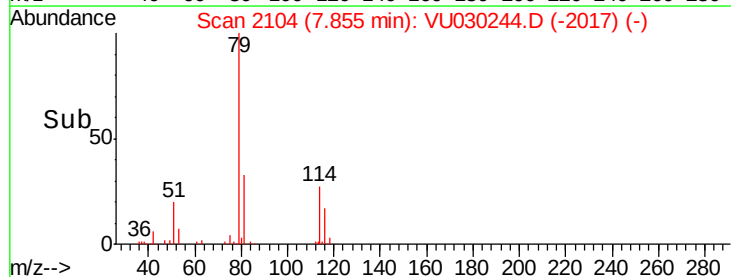
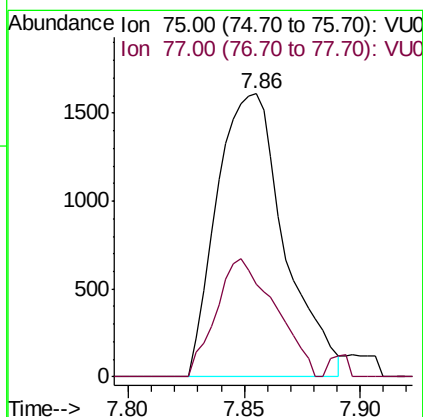
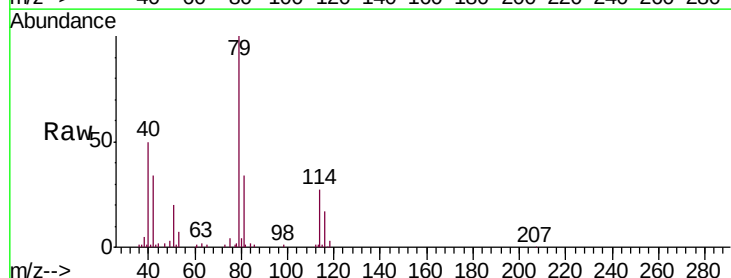
Instrument :
MSVOA_U
ClientSampled :
BF0D4

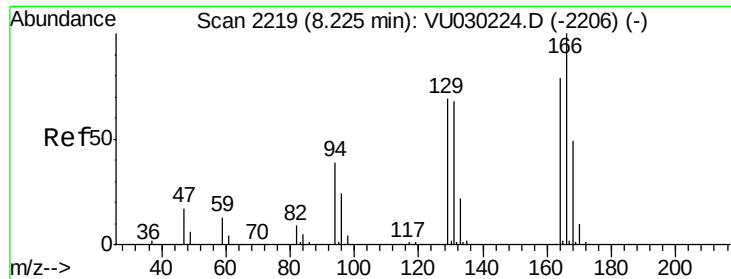
Tgt Ion: 83 Resp: 43057
Ion Ratio Lower Upper
83 100
55 0.2 56.6 85.0#
98 1.1 37.0 55.4#



#44
trans-1,3-Dichloropropene
Concen: 0.562 ug/L
RT: 7.86 min Scan# 2104
Delta R.T. -0.02 min
Lab File: VU030244.D
Acq: 20 Mar 2019 23:35

Tgt Ion: 75 Resp: 3254
Ion Ratio Lower Upper
75 100
77 32.7 22.7 42.1

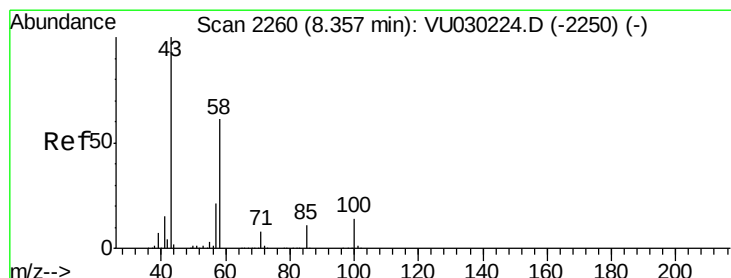
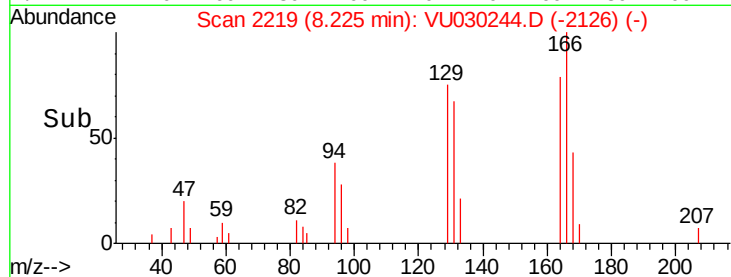
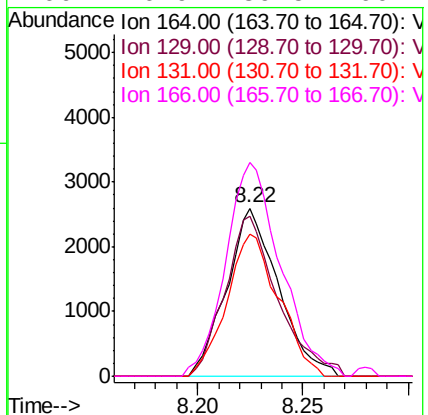
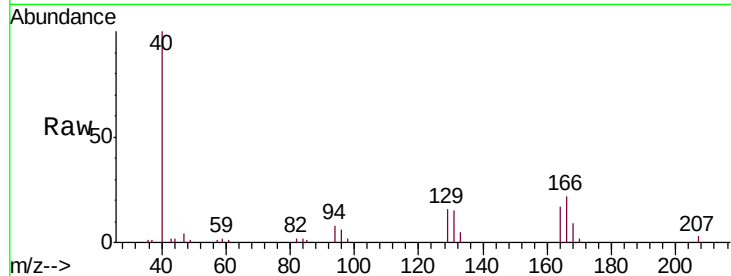




#46
Tetrachloroethene
Concen: 1.225 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU030244.D
Acq: 20 Mar 2019 23:35

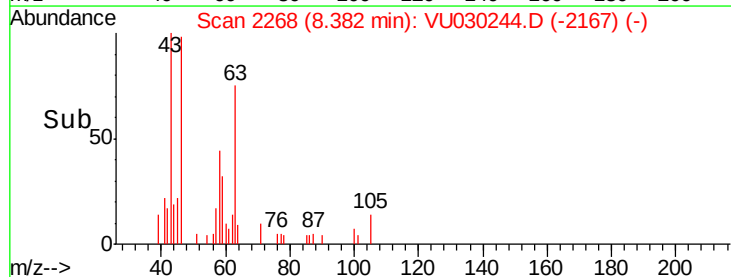
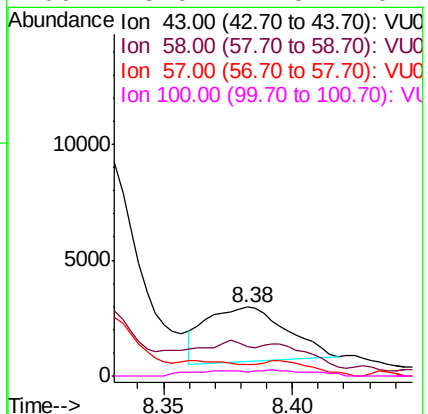
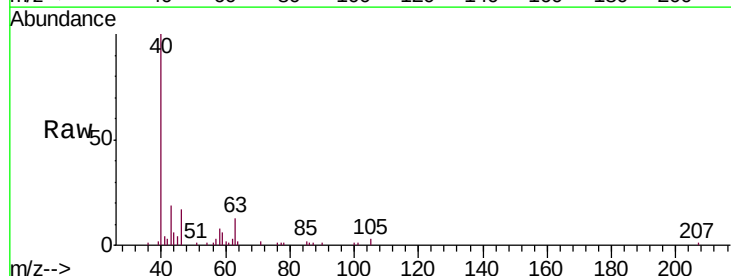
Instrument :
MSVOA_U
ClientSampleId :
BF0D4

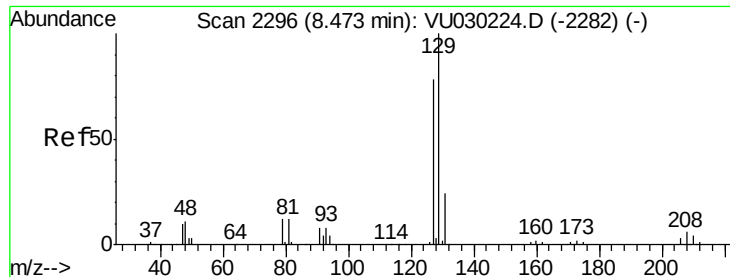
Tgt Ion:	164	Resp:	4442
Ion	Ratio	Lower	Upper
164	100		
129	95.4	64.4	119.6
131	84.7	63.2	117.4
166	126.9	89.5	166.1



#48
2-Hexanone
Concen: 1.078 ug/L
RT: 8.38 min Scan# 2268
Delta R.T. 0.03 min
Lab File: VU030244.D
Acq: 20 Mar 2019 23:35

Tgt Ion:	43	Resp:	5127
Ion	Ratio	Lower	Upper
43	100		
58	0.0	49.3	73.9#
57	19.0	17.0	25.4
100	3.0	11.0	16.4#





#49

Dibromochloromethane

Concen: 0.888 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampled :

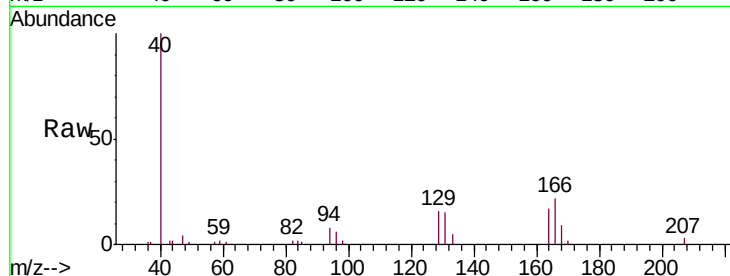
BF0D4

Tgt Ion:129 Resp: 4264

Ion Ratio Lower Upper

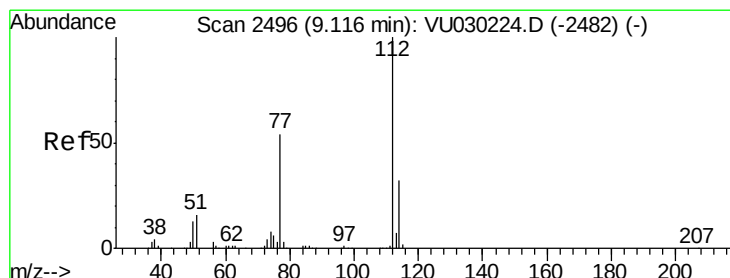
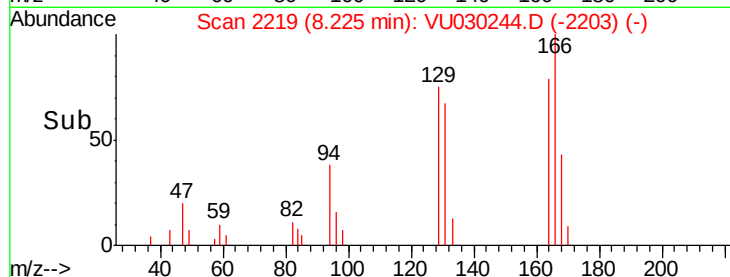
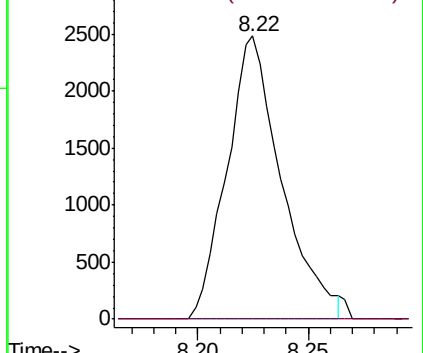
129 100

127 0.0 53.4 99.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

Chlorobenzene

Concen: 3.119 ug/L

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

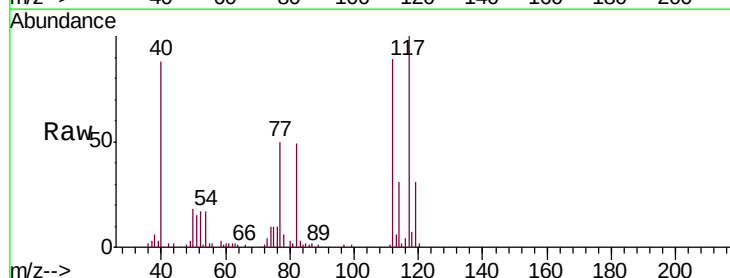
Tgt Ion:112 Resp: 36580

Ion Ratio Lower Upper

112 100

114 34.9 22.5 41.7

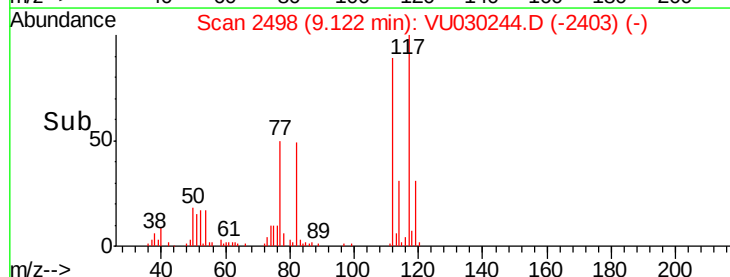
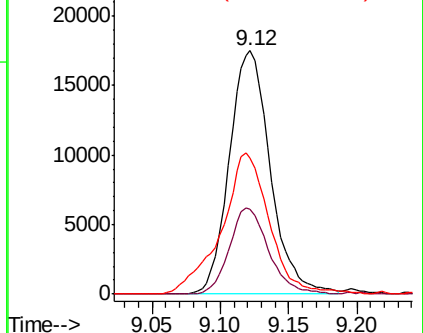
77 56.0 43.4 65.0

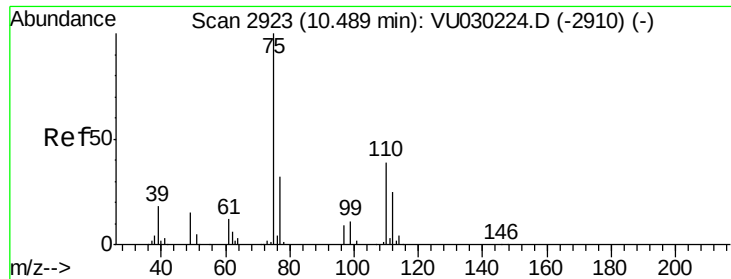


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.058 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 1.00 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

Instrument :

MSVOA_U

ClientSampleId :

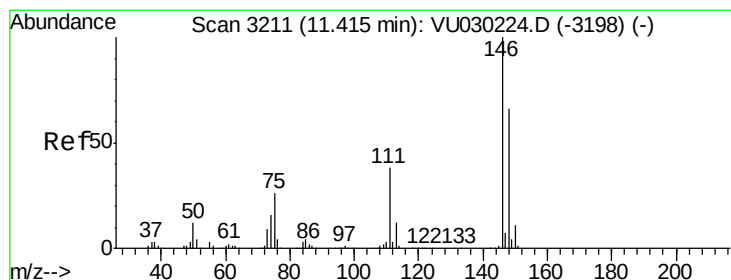
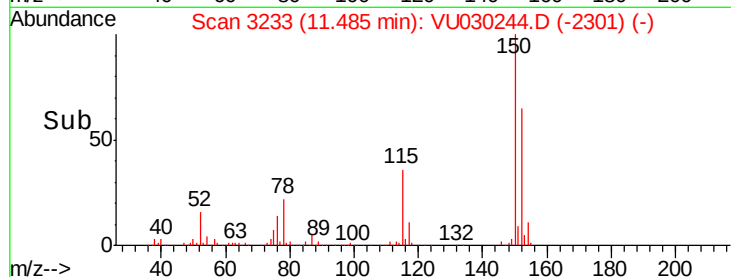
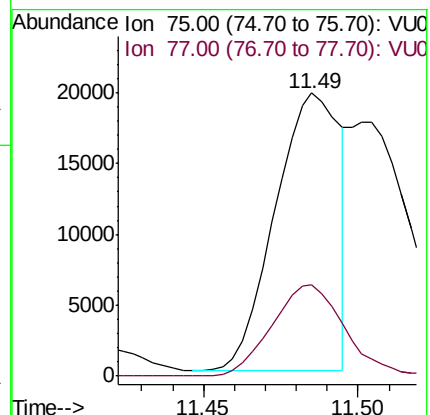
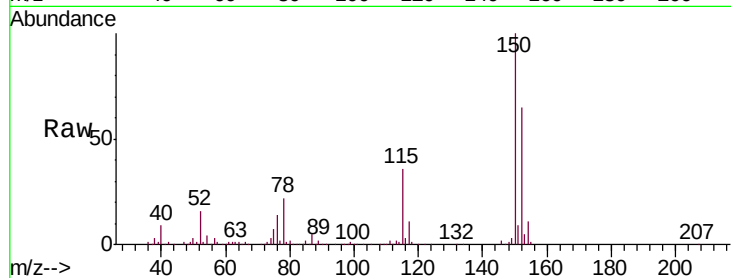
BF0D4

Tgt Ion: 75 Resp: 28513

Ion Ratio Lower Upper

75 100

77 36.8 25.8 38.8



#62

1,3-Dichlorobenzene

Concen: 1.411 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030244.D

Acq: 20 Mar 2019 23:35

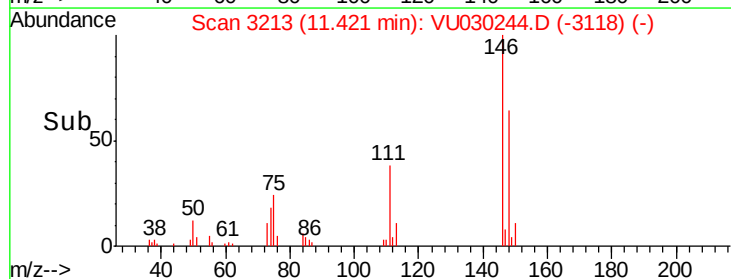
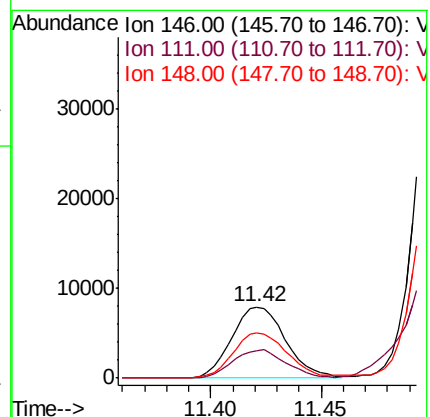
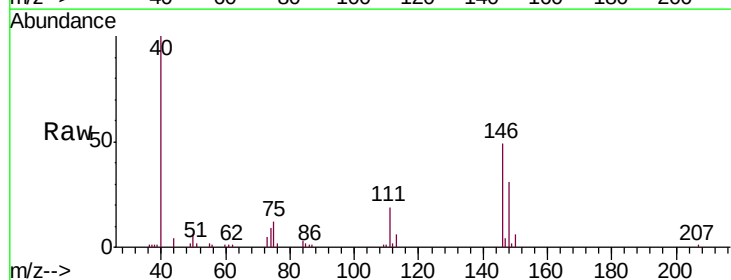
Tgt Ion: 146 Resp: 13401

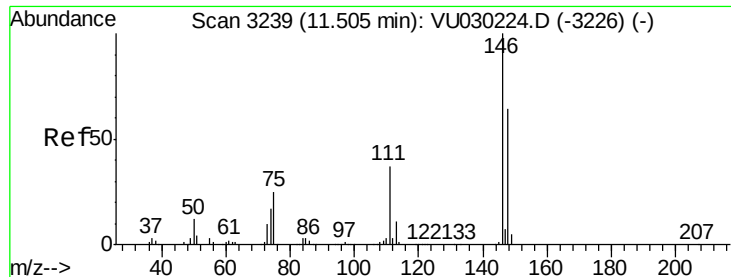
Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.4

148 63.9 44.4 82.5

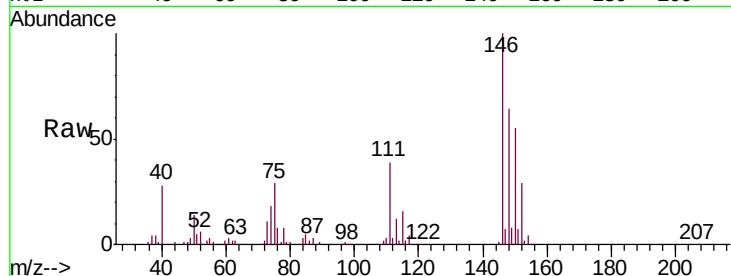




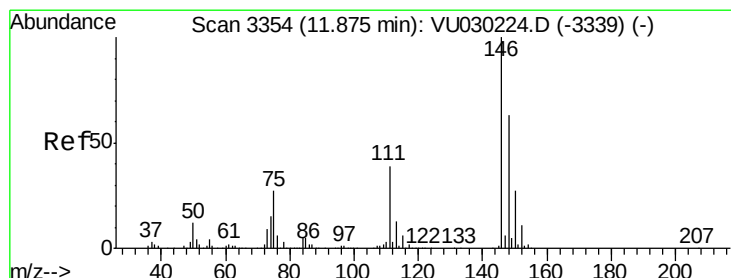
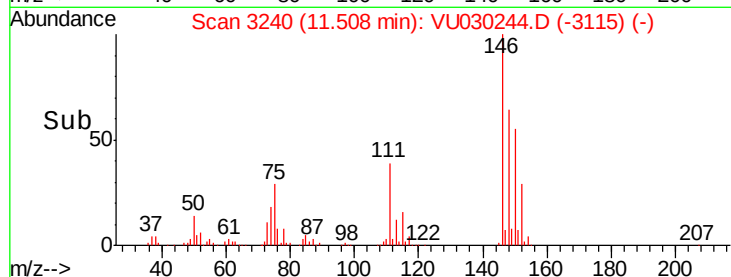
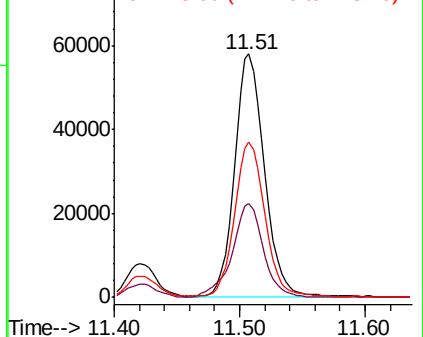
#63
 1,4-Dichlorobenzene
 Concen: 9.712 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D4

Tgt Ion:146 Resp: 95694
 Ion Ratio Lower Upper
 146 100
 111 38.6 25.3 46.9
 148 63.7 44.7 82.9

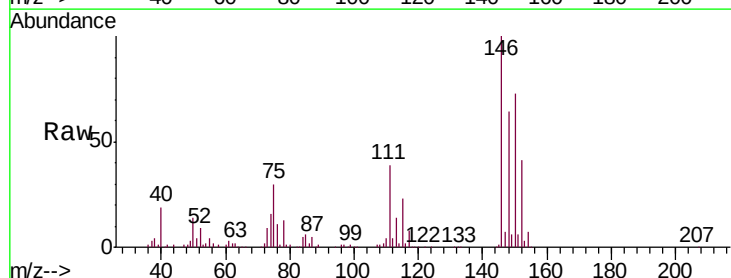


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

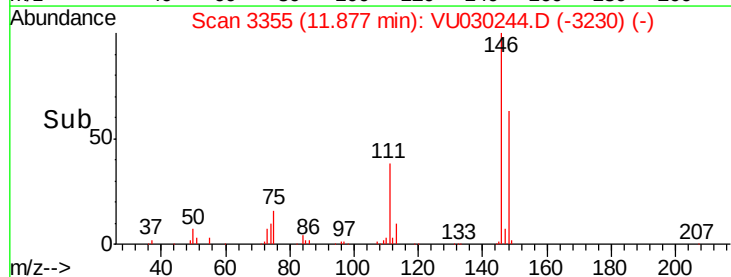
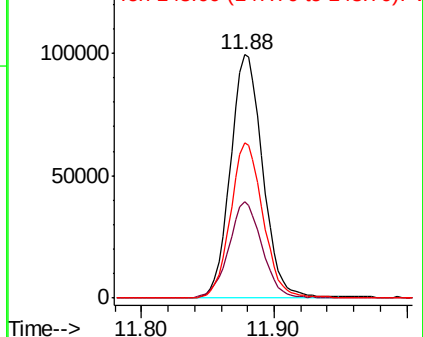


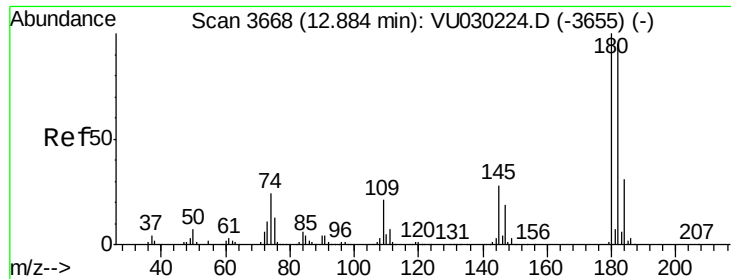
#65
 1,2-Dichlorobenzene
 Concen: 17.366 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Tgt Ion:146 Resp: 168527
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.7 47.5
 148 63.6 52.0 78.0



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

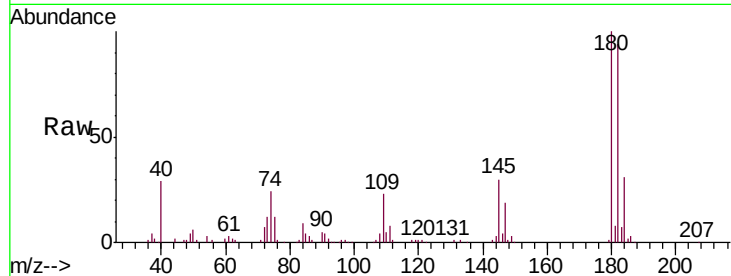




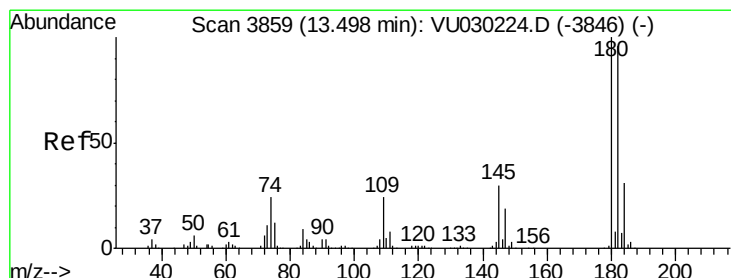
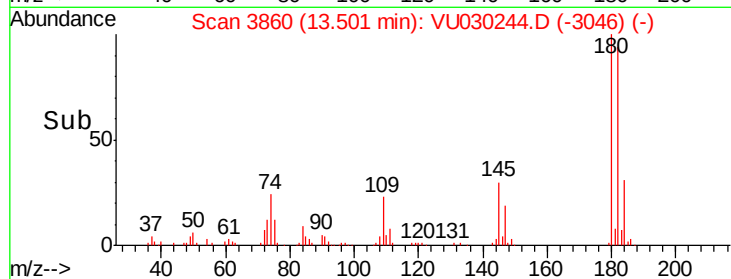
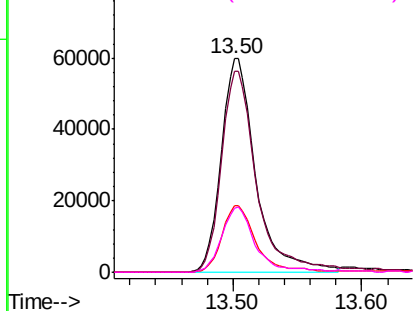
#67
 1,3,5-Trichlorobenzene
 Concen: 15.016 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D4

Tgt Ion:180 Resp: 111468
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.0 114.0
 184 30.2 24.2 36.4
 145 28.7 22.1 33.1

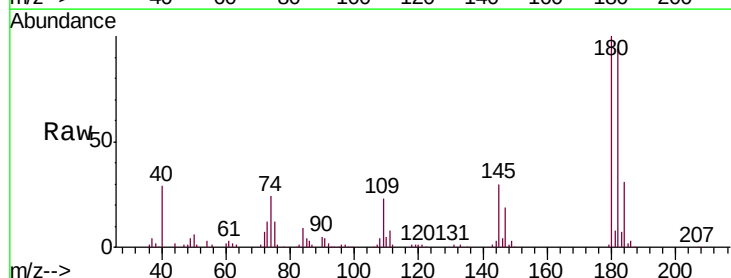


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

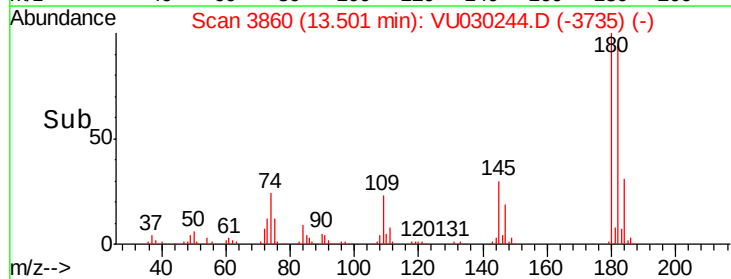
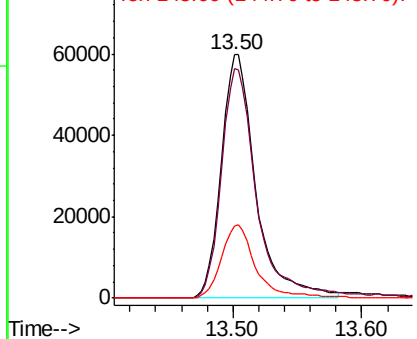


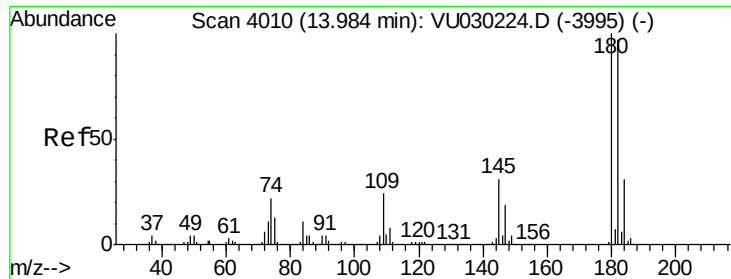
#68
 1,2,4-trichlorobenzene
 Concen: 16.980 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Tgt Ion:180 Resp: 111468
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 145 28.7 22.7 34.1



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

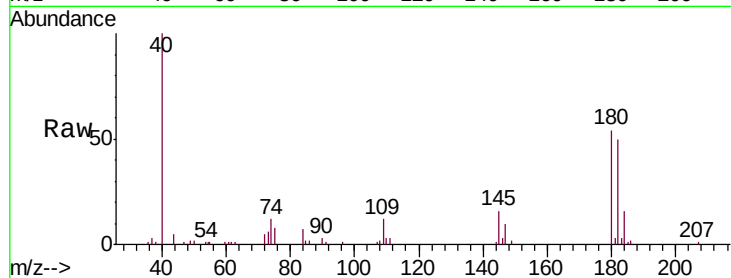




#70
 1,2,3-Trichlorobenzene
 Concen: 2.505 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030244.D
 Acq: 20 Mar 2019 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BF0D4

Tgt Ion:180 Resp: 17160
 Ion Ratio Lower Upper
 180 100
 182 105.1 75.9 113.9
 145 33.1 24.1 36.1



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

