

Data File : VU034384.D
Acq On : 07 Sep 2019 16:38
Operator : JC/SP
Sample : K4724-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDA8

Quant Time: Sep 08 02:34:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 14:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	308458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	171750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75464	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	71001	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.26	63	118037	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.17	46	225856	47.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	4.63	84	167685	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.29	65	80975	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.32	84	354311	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	114051	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.55	98	319378	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.83	79	38540	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.30	63	178650	46.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.90%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	84825	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	144489	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue	
12) 1,1-Dichloroethene	2.27	96	3090	0.161	ug/L #	1
13) Acetone	2.31	43	10805	3.363	ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	10754	0.518	ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	1216078	52.123	ug/L	95
30) Cyclohexane	4.97	56	16951	0.424	ug/L	95
34) Trichloroethene	6.16	95	6557337	272.912	ug/L	96
35) Methylcyclohexane	6.39	83	82491	2.072	ug/L	95
45) 1,1,2-Trichloroethane	8.03	97	15080	0.979	ug/L #	17
47) Tetrachloroethene	8.22	164	15032477	761.230	ug/L	88
48) 2-Hexanone	8.30	43	20237	2.181	ug/L #	66
49) Dibromochloromethane	8.22	129	13814653	755.889	ug/L #	11
51) Chlorobenzene	9.10	112	6635	0.106	ug/L #	84
56) Isopropylbenzene	10.14	105	227157	2.181	ug/L	99
59) 1,2,3-Trichloropropane	11.46	75	20320	1.477	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	7893	0.146	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.68	75	765	0.257	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.48	180	12697	0.296	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090819\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

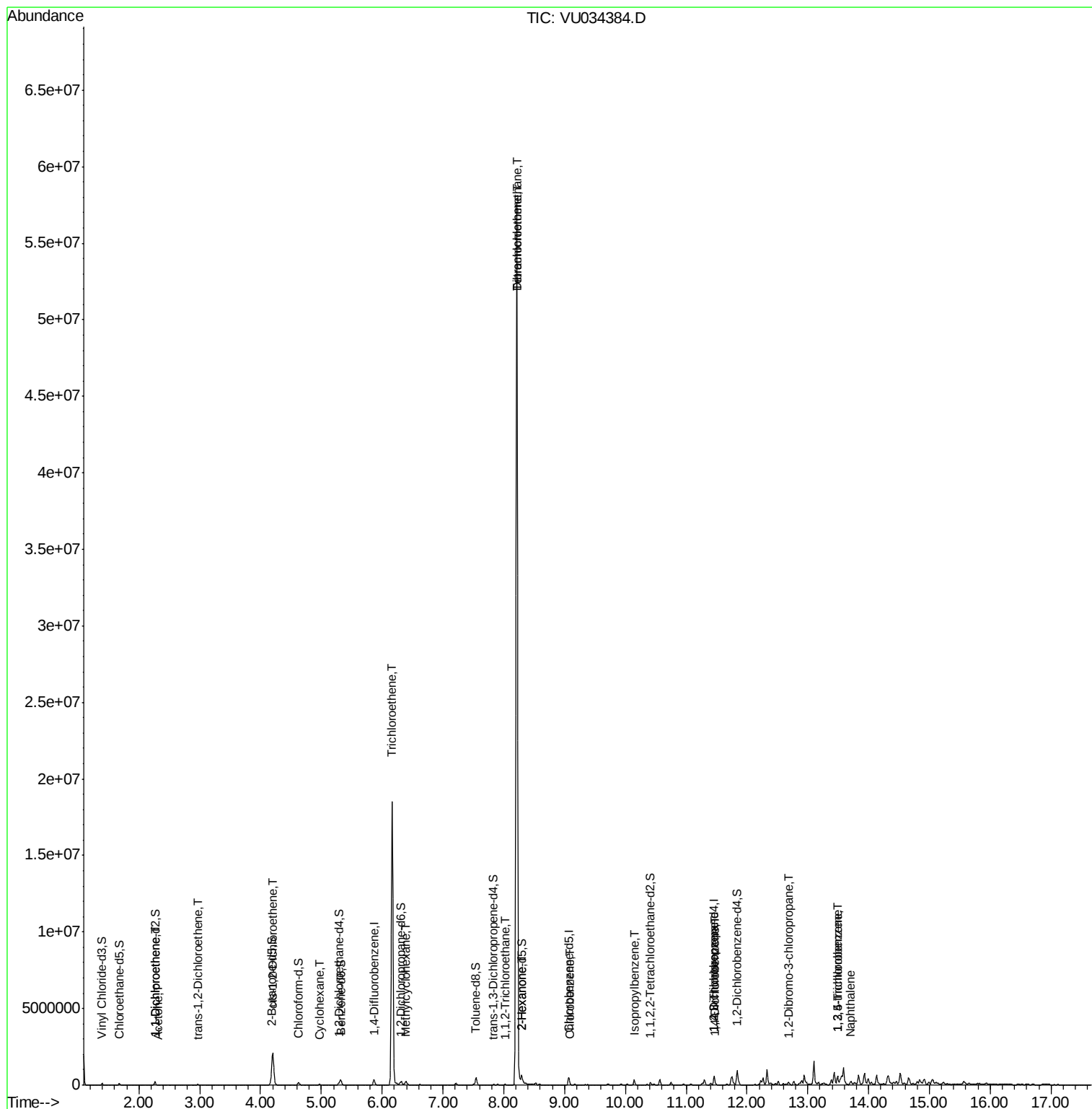
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.48	180	12697	0.386	ug/L #	1
69) Naphthalene	13.72	128	38923	0.787	ug/L #	58

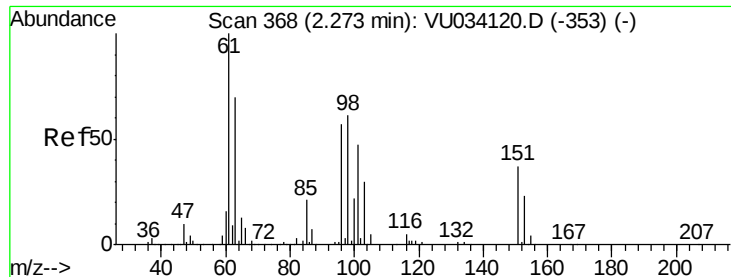
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#12

1,1-Dichloroethene

Concen: 0.161 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

BFDA8

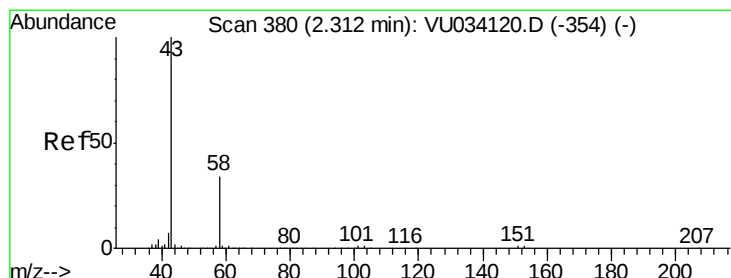
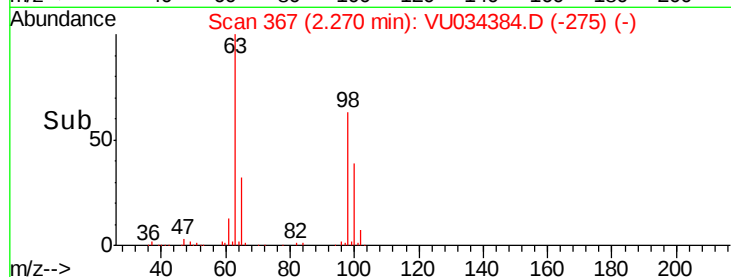
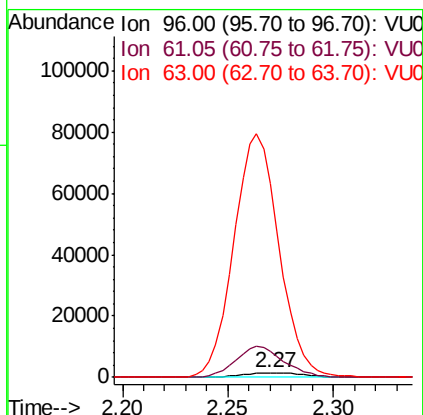
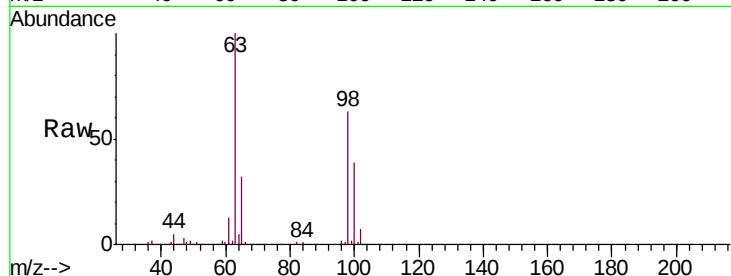
Tgt Ion: 96 Resp: 3090

Ion Ratio Lower Upper

96 100

61 550.7 126.6 235.0#

63 4081.9 94.5 175.5#



#13

Acetone

Concen: 3.363 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034384.D

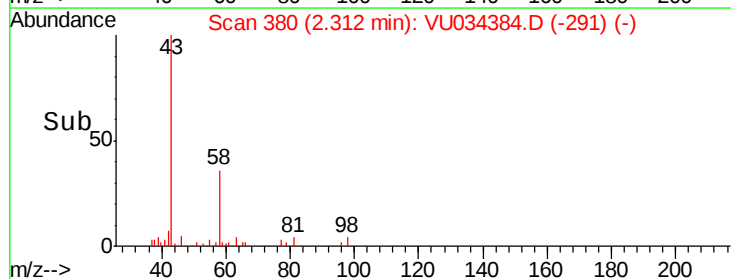
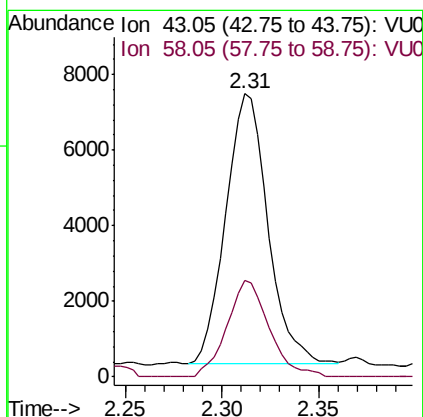
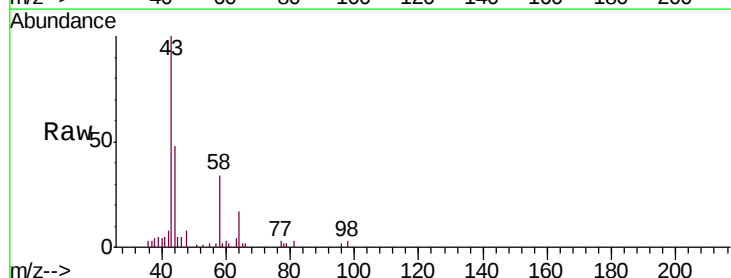
Acq: 07 Sep 2019 16:38

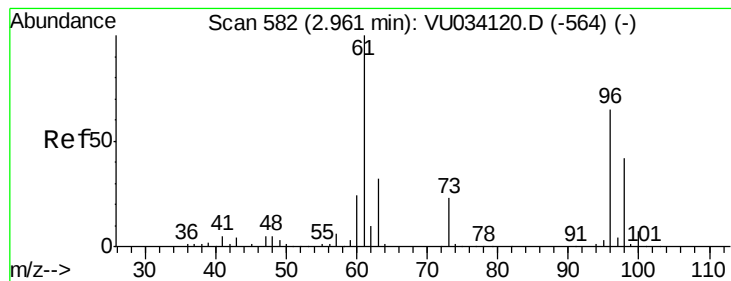
Tgt Ion: 43 Resp: 10805

Ion Ratio Lower Upper

43 100

58 35.7 0.0 67.6





#18

trans-1,2-Dichloroethene

Concen: 0.518 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

BFDA8

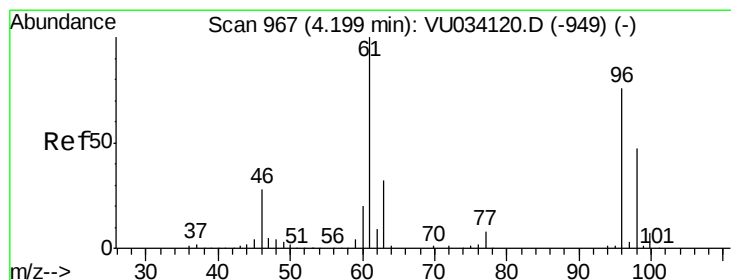
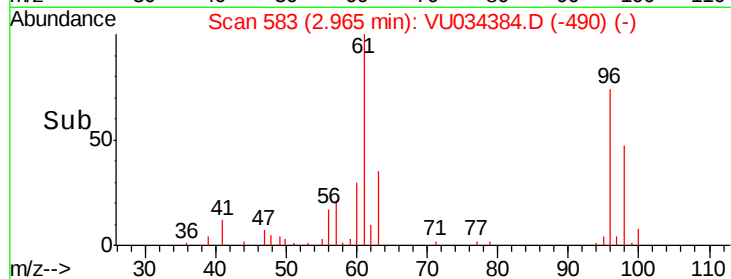
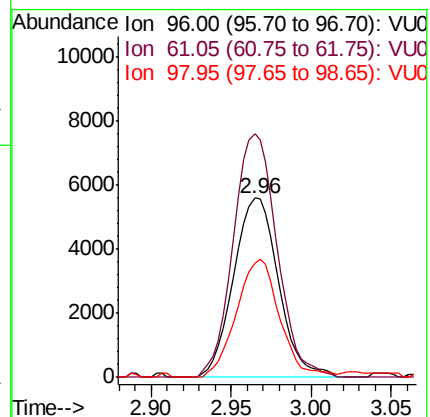
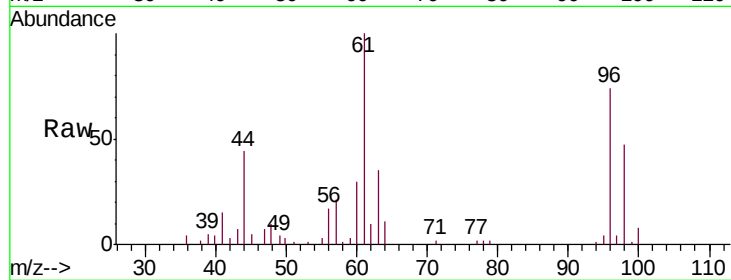
Tgt Ion: 96 Resp: 10754

Ion Ratio Lower Upper

96 100

61 135.9 103.5 192.3

98 63.9 44.9 83.3



#22

cis-1,2-Dichloroethene

Concen: 52.123 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

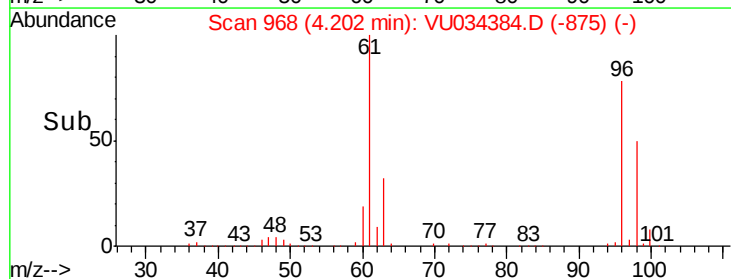
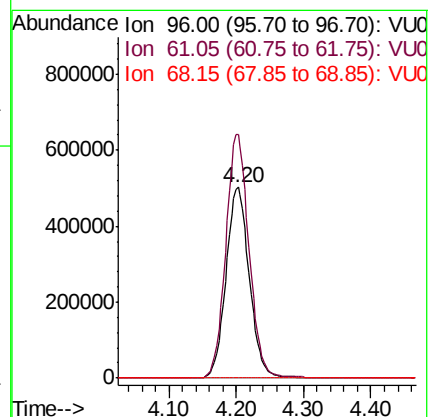
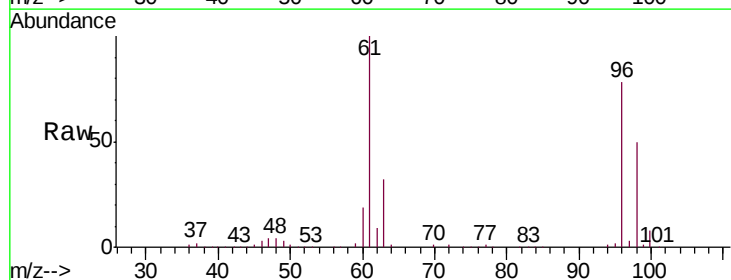
Tgt Ion: 96 Resp: 1216078

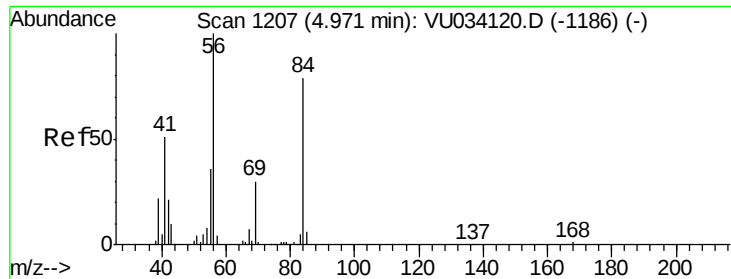
Ion Ratio Lower Upper

96 100

61 127.5 93.6 173.8

68 0.0 0.0 0.0

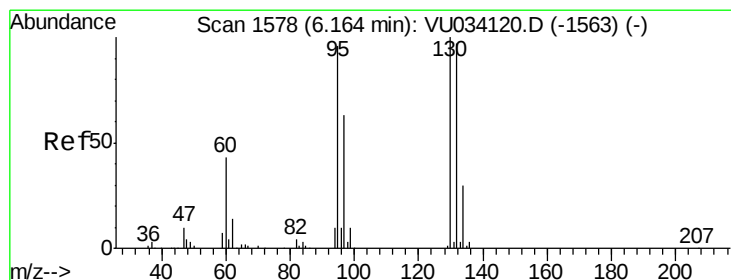
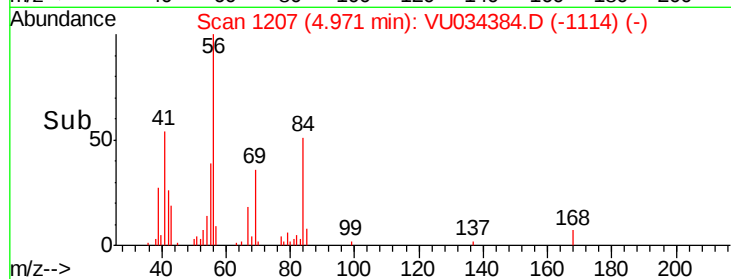
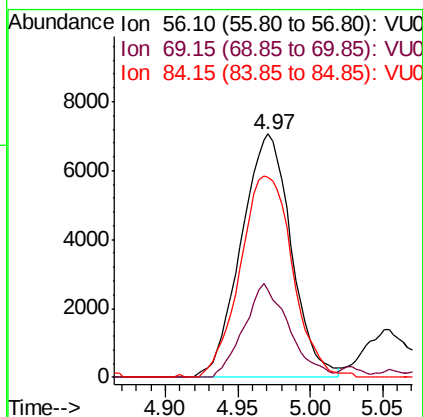
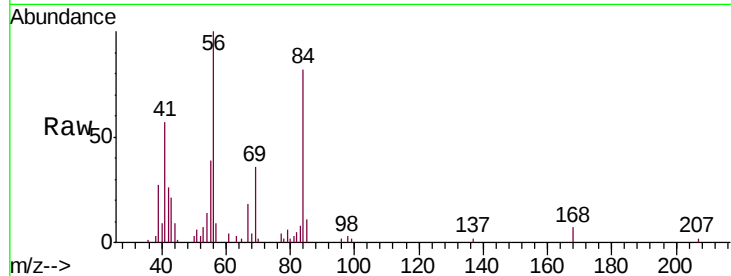




#30
Cyclohexane
Concen: 0.424 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

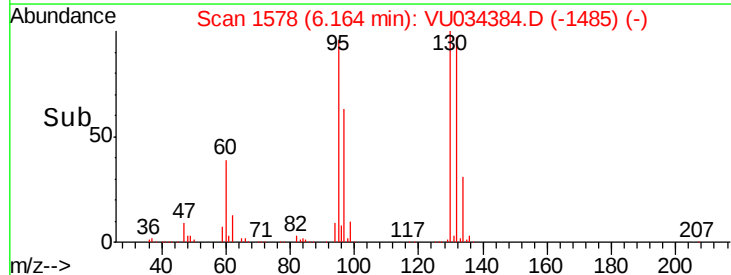
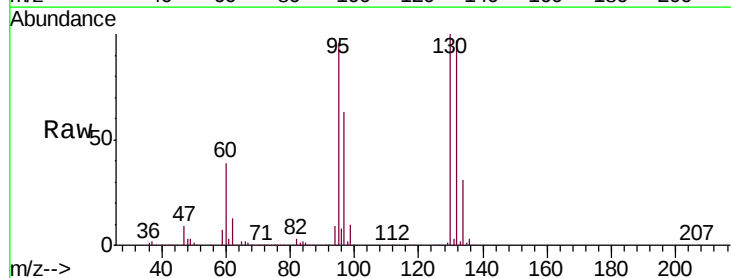
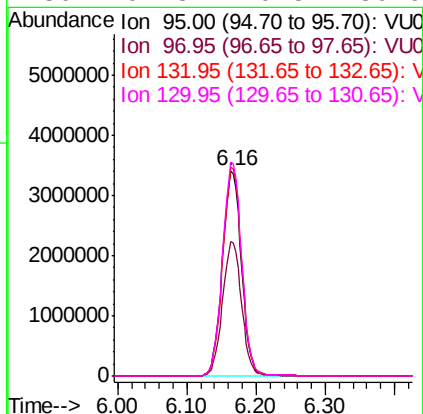
Instrument :
MSVOA_U
ClientSampleId :
BFDA8

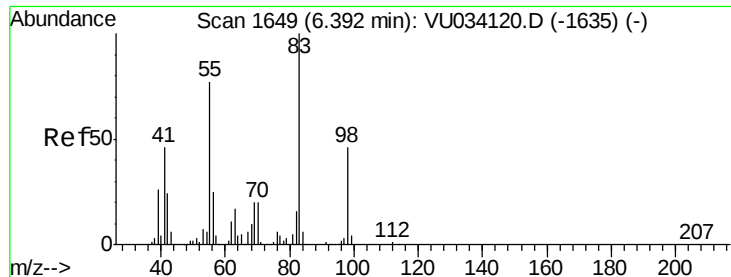
Tgt Ion: 56 Resp: 16951
Ion Ratio Lower Upper
56 100
69 34.6 24.2 36.4
84 86.8 67.0 100.4



#34
Trichloroethene
Concen: 272.912 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

Tgt Ion: 95 Resp: 6557337
Ion Ratio Lower Upper
95 100
97 65.4 43.3 80.5
132 101.6 68.6 127.4
130 104.3 70.5 130.9

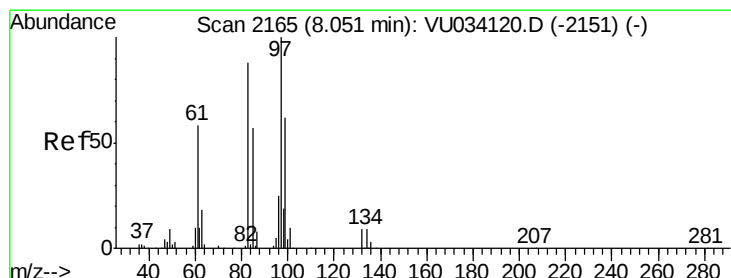
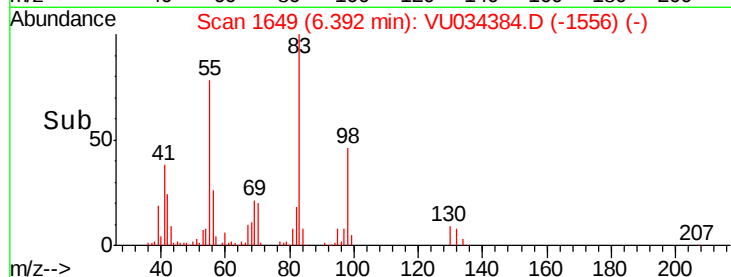
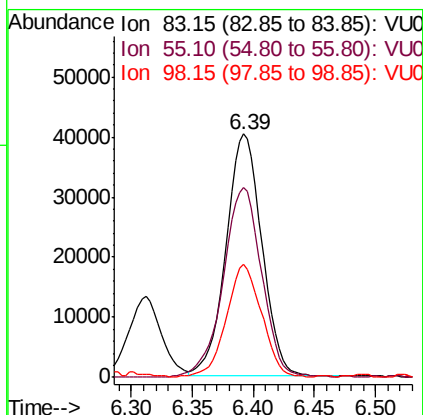
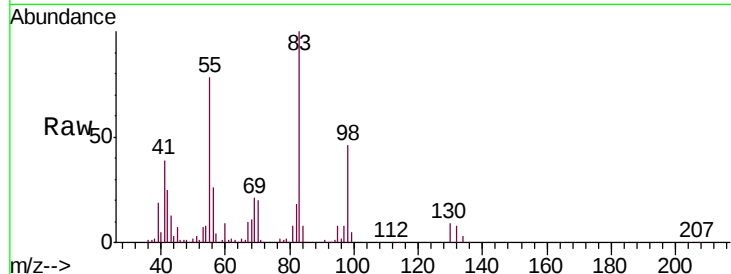




#35
Methylcyclohexane
Concen: 2.072 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

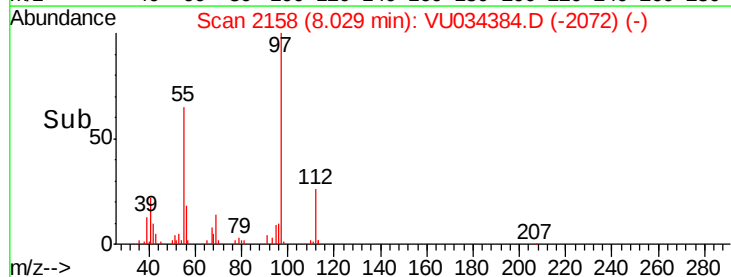
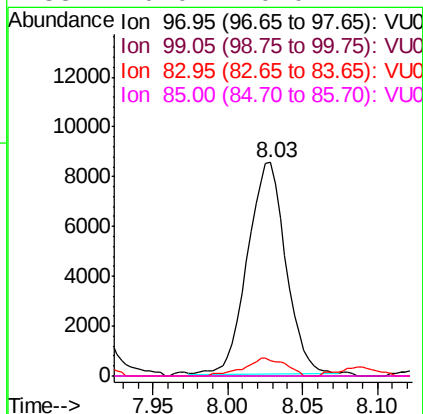
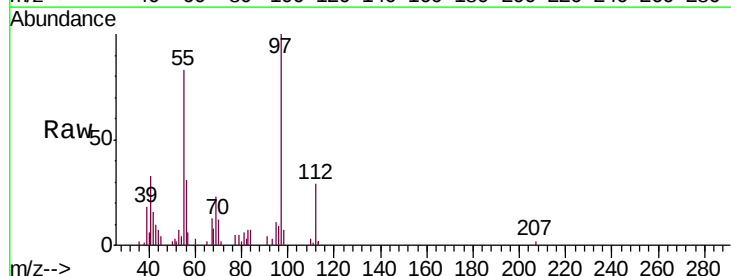
Instrument :
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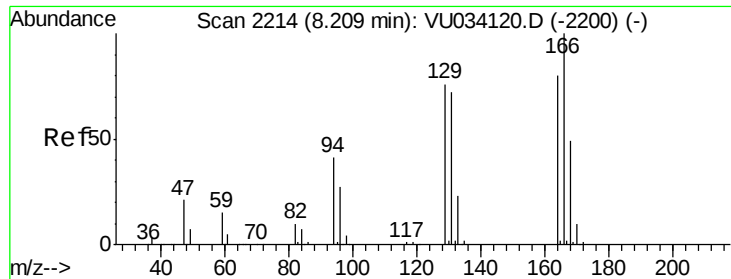
Tgt Ion: 83 Resp: 82491
Ion Ratio Lower Upper
83 100
55 84.6 62.6 94.0
98 45.1 36.2 54.2



#45
1,1,2-Trichloroethane
Concen: 0.979 ug/L
RT: 8.03 min Scan# 2158
Delta R.T. -0.02 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

Tgt Ion: 97 Resp: 15080
Ion Ratio Lower Upper
97 100
99 0.0 45.5 84.5#
83 7.1 61.5 114.3#
85 0.0 40.0 74.2#

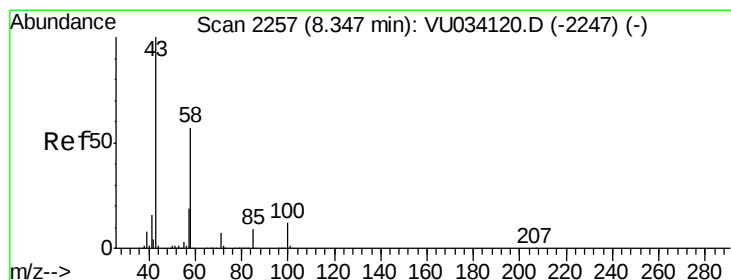
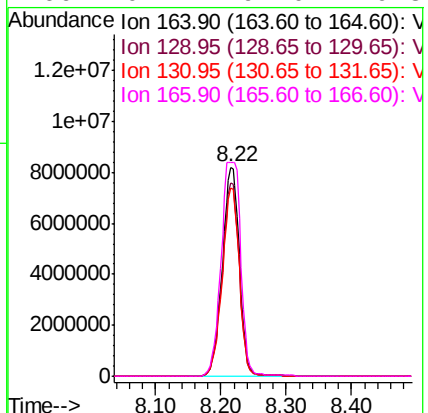
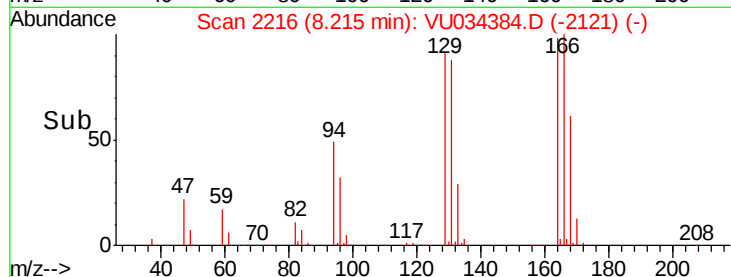
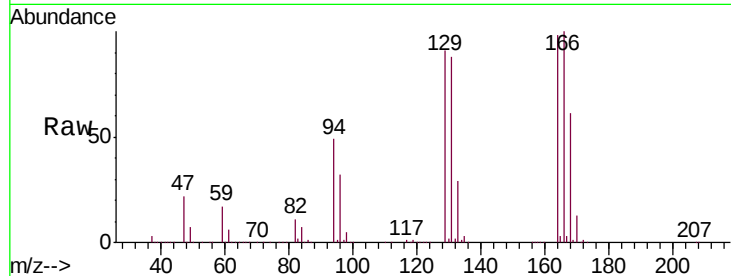




#47
Tetrachloroethene
Concen: 761.230 ug/L
RT: 8.22 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

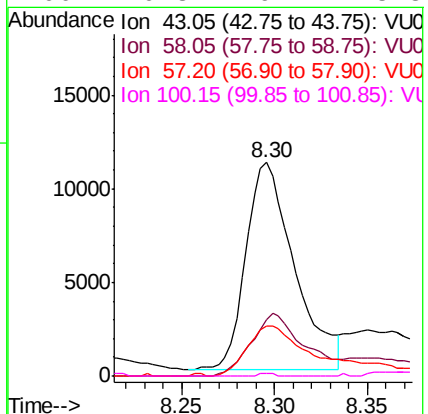
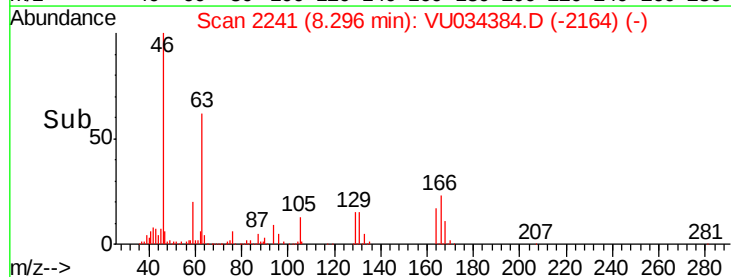
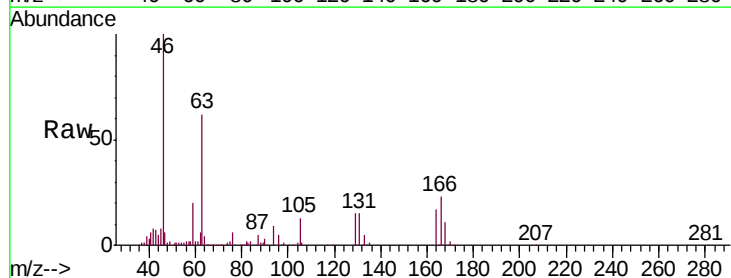
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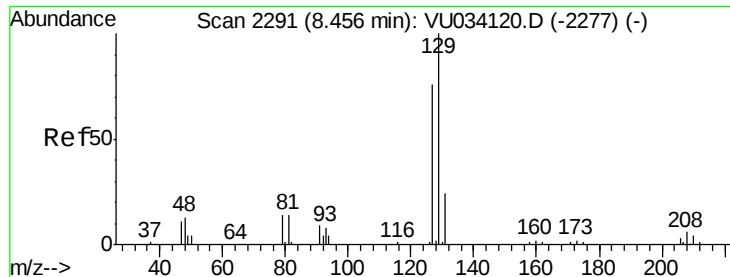
Tgt Ion:164 Resp:15032477
Ion Ratio Lower Upper
164 100
129 92.7 68.0 126.2
131 90.3 64.6 120.0
166 102.4 92.0 170.8



#48
2-Hexanone
Concen: 2.181 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

Tgt Ion: 43 Resp: 20237
Ion Ratio Lower Upper
43 100
58 32.7 44.9 67.3#
57 37.3 15.0 22.6#
100 0.3 9.2 13.8#





#49

Dibromochloromethane

Concen: 755.889 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. -0.24 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampled :

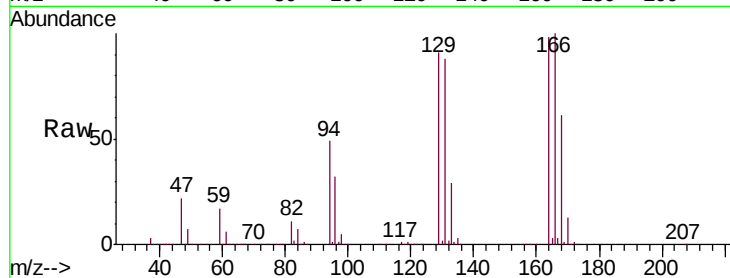
BFDA8

Tgt Ion:129 Resp:13814653

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

8000000

6000000

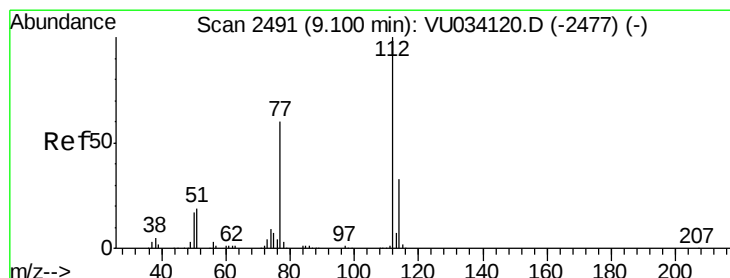
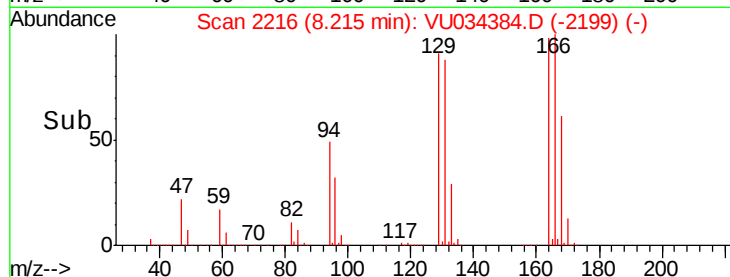
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2000000

0

Time-->

8.10 8.20 8.30 8.40



#51

Chlorobenzene

Concen: 0.106 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

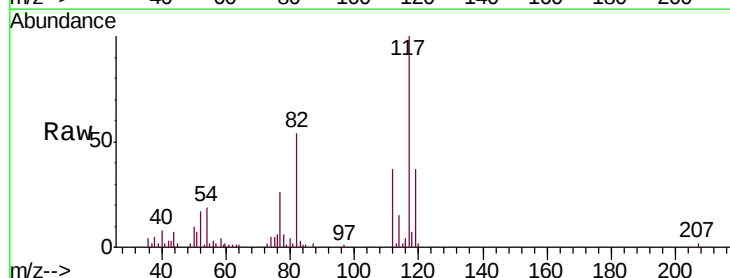
Tgt Ion:112 Resp: 6635

Ion Ratio Lower Upper

112 100

114 40.8 22.6 42.0

77 69.9 46.3 69.5#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

4000

3000

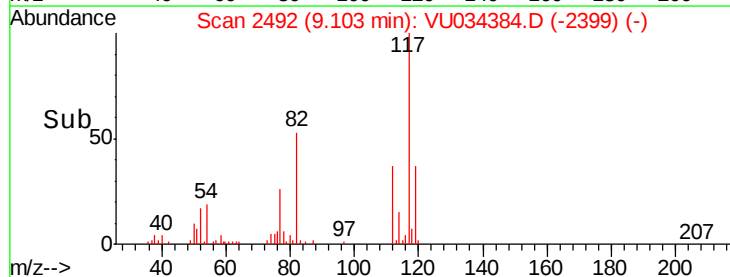
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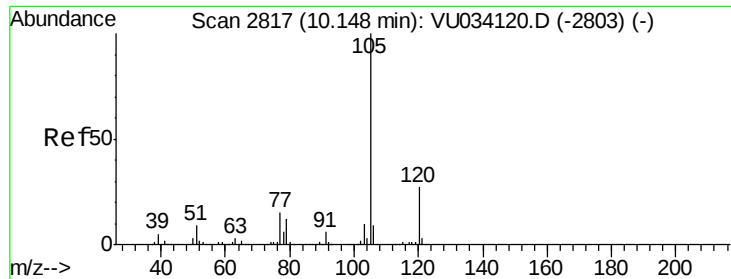
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Time-->

9.05 9.10 9.15

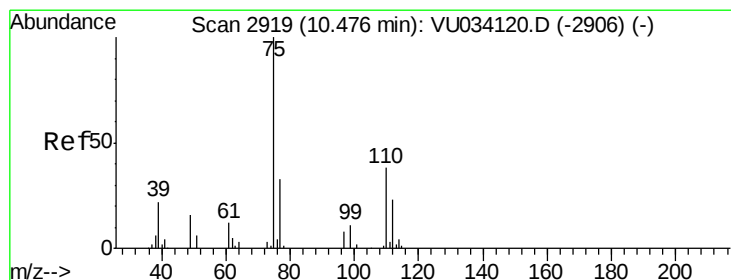
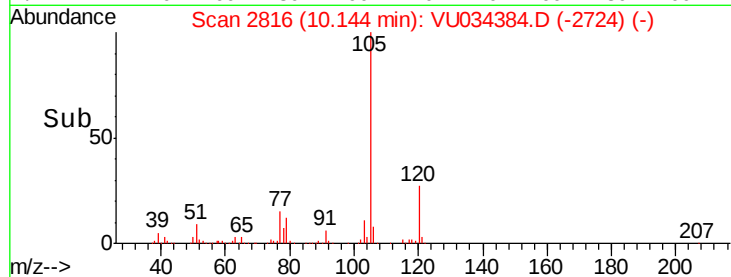
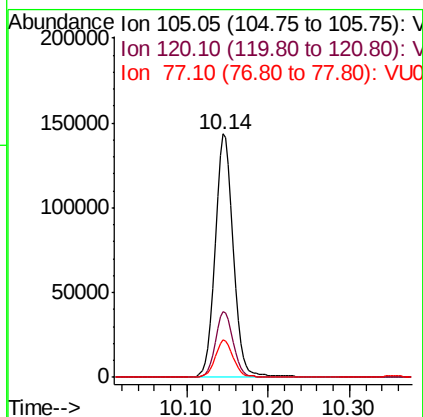
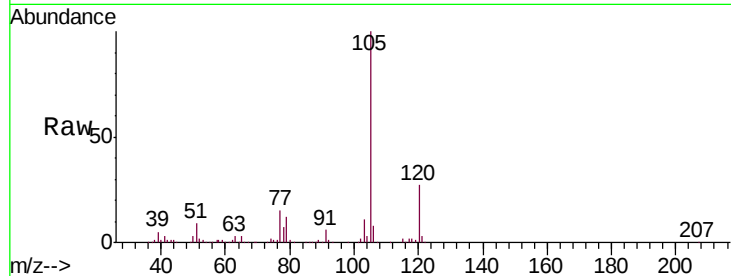




#56
Isopropylbenzene
Concen: 2.181 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

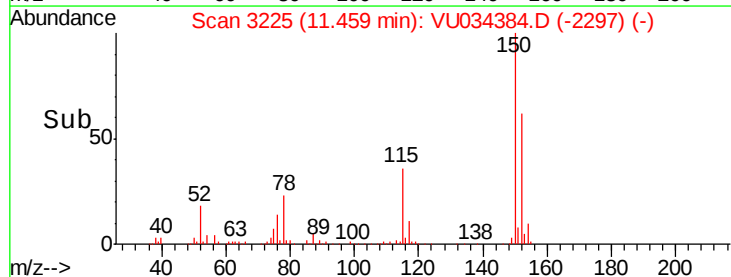
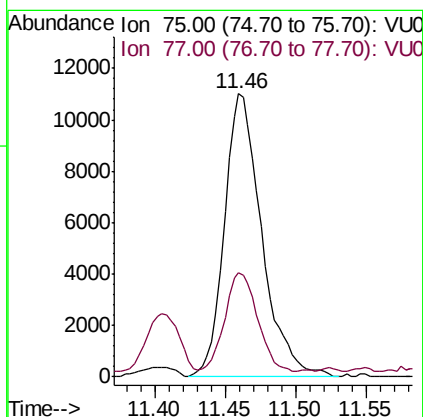
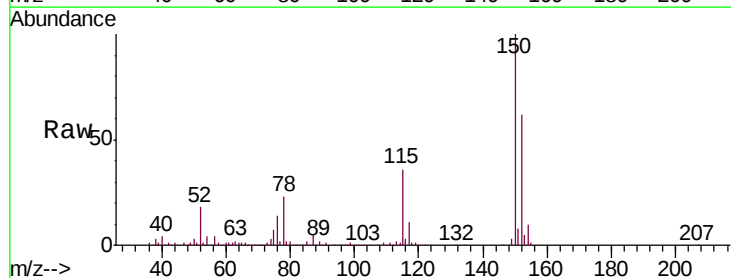
Instrument :
MSVOA_U
ClientSampleId :
BFDA8

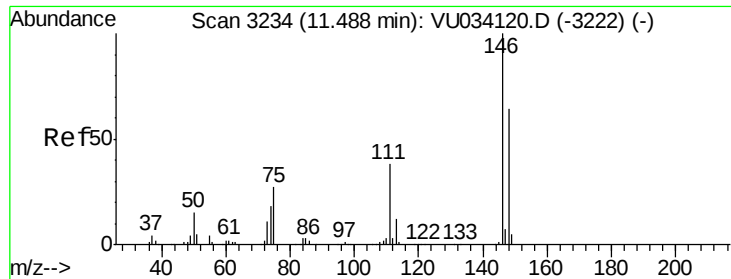
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.0	31.4
77	15.0	12.2	18.4



#59
1,2,3-Trichloropropane
Concen: 1.477 ug/L
RT: 11.46 min Scan# 3225
Delta R.T. 0.98 min
Lab File: VU034384.D
Acq: 07 Sep 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.0	39.0

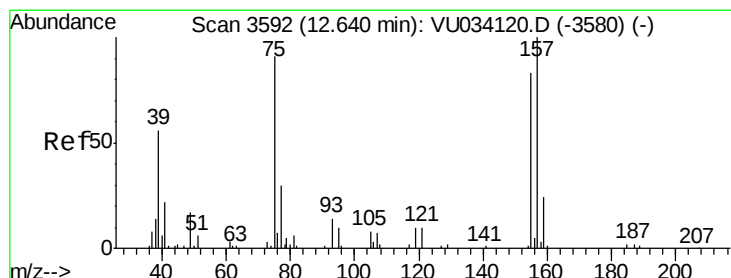
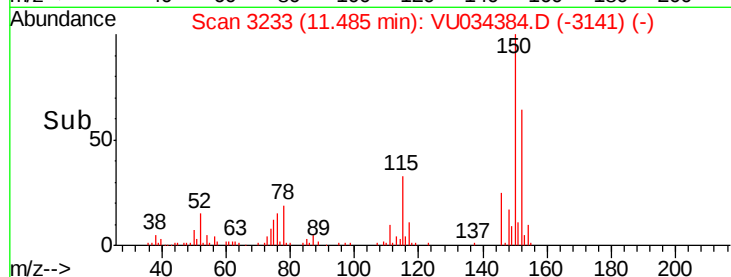
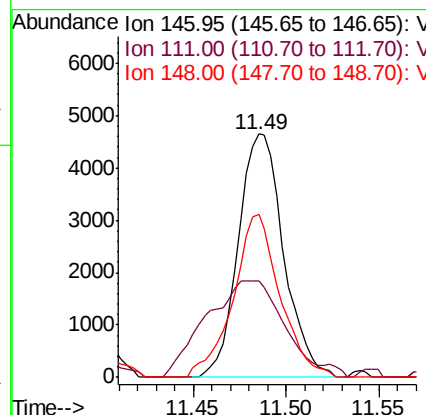
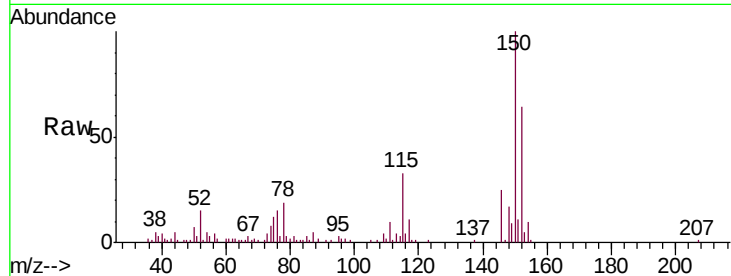




#63
 1,4-Dichlorobenzene
 Concen: 0.146 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

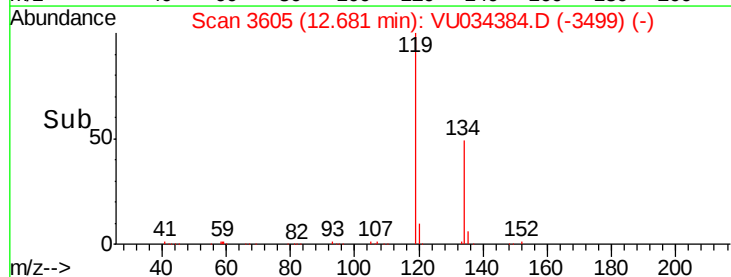
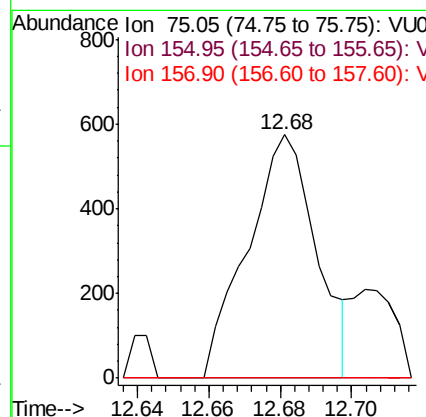
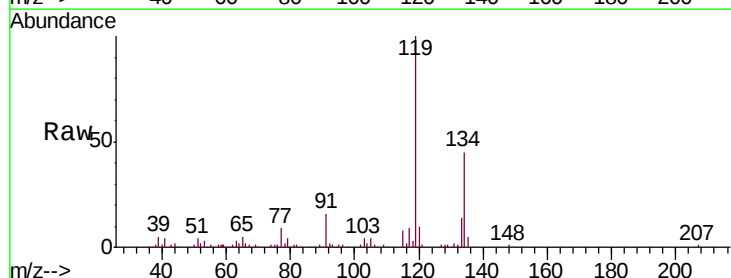
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA8

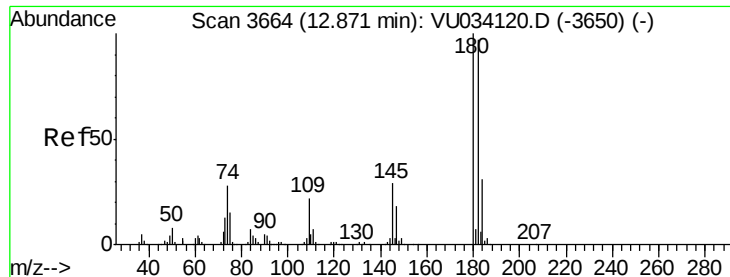
Tgt Ion:146 Resp: 7893
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.5 49.3
 148 67.0 44.0 81.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.257 ug/L
 RT: 12.68 min Scan# 3605
 Delta R.T. 0.04 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

Tgt Ion: 75 Resp: 765
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.4 107.0#
 157 0.0 92.6 138.8#

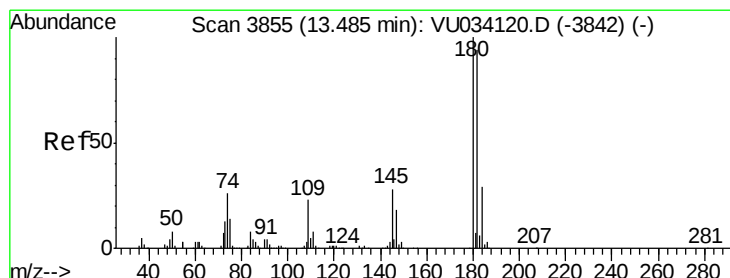
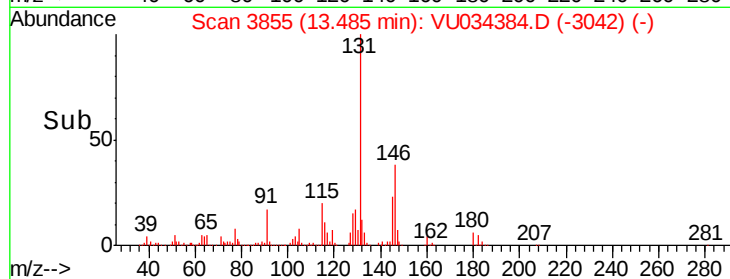
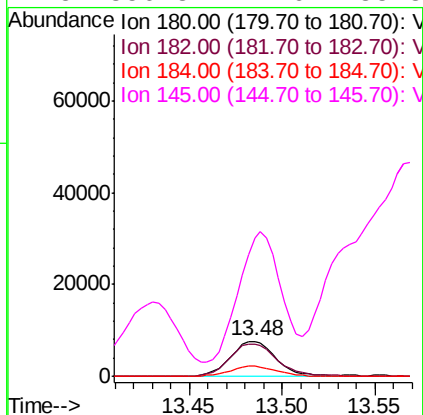
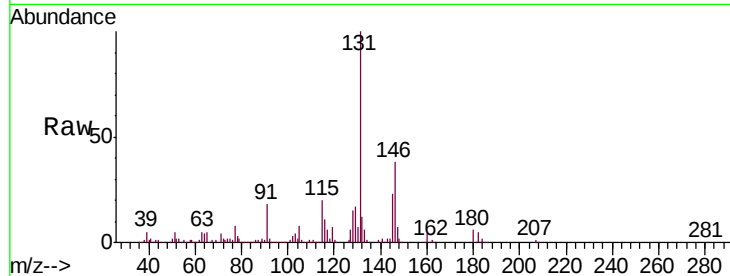




#67
 1,3,5-Trichlorobenzene
 Concen: 0.296 ug/L
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.61 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

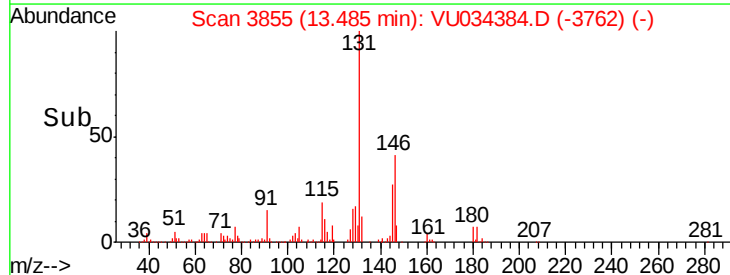
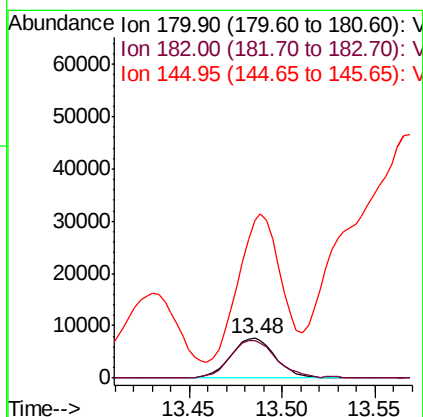
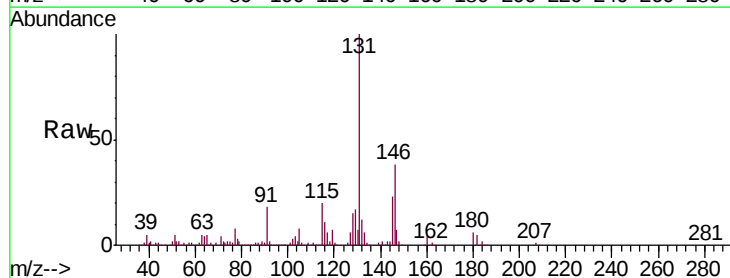
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDA8

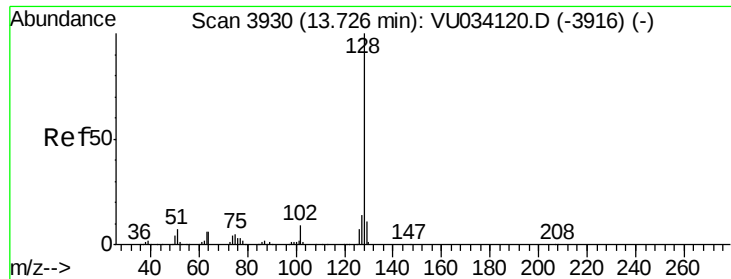
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.6
184	29.2	24.3	36.5
145	356.3	22.6	33.8#



#68
 1,2,4-trichlorobenzene
 Concen: 0.386 ug/L
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034384.D
 Acq: 07 Sep 2019 16:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.1	112.7
145	356.3	23.7	35.5#





#69

Naphthalene

Concen: 0.787 ug/L

RT: 13.72 min Scan# 3927

Delta R.T. -0.01 min

Lab File: VU034384.D

Acq: 07 Sep 2019 16:38

Instrument :

MSVOA_U

ClientSampleId :

BFDA8

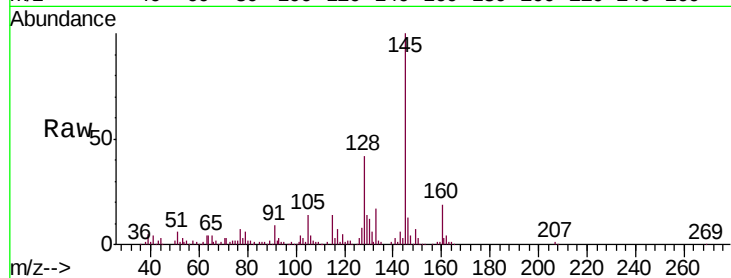
Tgt Ion:128 Resp: 38923

Ion Ratio Lower Upper

128 100

129 36.2 8.6 13.0#

127 21.3 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

