

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012117.D
 Acq On : 06 Aug 2019 16:20
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00µ/5.0mL/100µL/5mL/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 18:25:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 18:20:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	270453	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	249147	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	124464	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67813	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.58	69	46266	44.09	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.18%
11) 1,1-Dichloroethene-d2	2.13	63	92577	36.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.24%
21) 2-Butanone-d5	3.92	46	119041	110.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.51%
24) Chloroform-d	4.40	84	181190	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.08	65	120257	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
32) Benzene-d6	5.10	84	355637	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	104212	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.36%
41) Toluene-d8	7.36	98	341265	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%
43) trans-1,3-Dichloropropene-	7.66	79	58374	49.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.86%
47) 2-Hexanone-d5	8.13	63	93663	108.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.59%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	146896	50.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.36%
66) 1,2-Dichlorobenzene-d4	11.67	152	148710	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4288	2.245 ug/L	94
3) Chloromethane	1.25	50	3509	2.587 ug/L	97
5) Vinyl chloride	1.32	62	3004	2.294 ug/L #	55
6) Bromomethane	1.52	94	1816	2.389 ug/L	88
8) Chloroethane	1.59	64	1422	2.074 ug/L	92
9) Trichlorofluoromethane	1.77	101	4448	2.090 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3166	3.034 ug/L #	75
12) 1,1-Dichloroethene	2.14	96	2406	2.449 ug/L #	1
13) Acetone	2.19	43	2707	3.686 ug/L	92
14) Carbon disulfide	2.32	76	7438	2.240 ug/L	98
15) Methyl Acetate	2.46	43	2730	2.124 ug/L	97
16) Methylene chloride	2.54	84	3552	2.382 ug/L	83
17) trans-1,2-Dichloroethene	2.79	96	2985	2.151 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	5656	1.186 ug/L #	63
19) 1,1-Dichloroethane	3.23	63	5571	2.202 ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	3409	2.086 ug/L	99
22) 2-Butanone	4.02	43	3865	4.083 ug/L #	63

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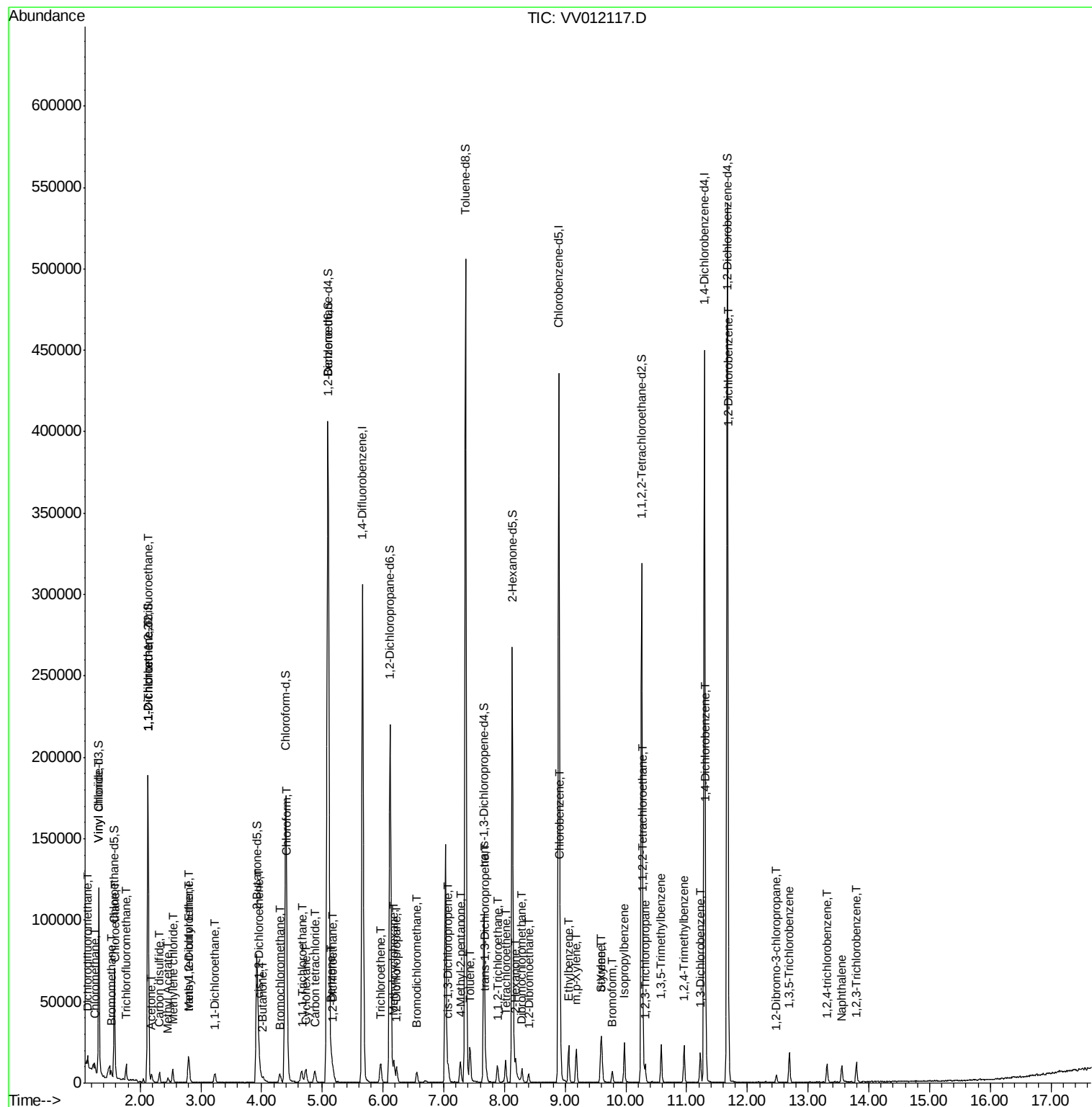
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	2169	2.414	ug/L	84
25) Chloroform	4.42	83	8360	2.915	ug/L	96
27) 1,2-Dichloroethane	5.18	62	4853	2.177	ug/L	97
29) Cyclohexane	4.72	56	2457	1.179	ug/L #	80
30) 1,1,1-Trichloroethane	4.66	97	6145	2.322	ug/L #	73
31) Carbon tetrachloride	4.87	117	5365	2.185	ug/L	99
33) Benzene	5.15	78	13202	2.302	ug/L	100
34) Trichloroethene	5.96	95	3471	2.177	ug/L	88
35) Methylcyclohexane	6.18	83	5086	2.144	ug/L	95
37) 1,2-Dichloropropane	6.22	63	3395	2.427	ug/L	97
38) Bromodichloromethane	6.56	83	4464	2.028	ug/L #	91
39) cis-1,3-Dichloropropene	7.07	75	5359	2.173	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	8609	4.782	ug/L #	90
42) Toluene	7.43	91	15475	2.428	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	4776	2.051	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	3635	2.411	ug/L	95
46) Tetrachloroethene	8.02	164	3261	2.196	ug/L	97
48) 2-Hexanone	8.18	43	7535	5.551	ug/L #	91
49) Dibromochloromethane	8.29	129	4480	2.289	ug/L	91
50) 1,2-Dibromoethane	8.40	107	3728	2.235	ug/L	94
51) Chlorobenzene	8.92	112	10310	2.400	ug/L	93
52) Ethylbenzene	9.05	91	16001	2.238	ug/L	100
53) m,p-Xylene	9.18	106	5758	2.087	ug/L	99
54) o-Xylene	9.59	106	6450	2.356	ug/L	95
55) Styrene	9.60	104	9834	2.133	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.29	83	6504	2.805	ug/L	99
59) Bromoform	9.77	173	3322	2.275	ug/L #	97
60) Isopropylbenzene	9.97	105	15759	2.313	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	4362	2.581	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	12872	2.185	ug/L	94
63) 1,2,4-Trimethylbenzene	10.96	105	12427	2.138	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	8132	2.365	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	8803	2.533	ug/L	94
67) 1,2-Dichlorobenzene	11.69	146	8910	2.540	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.48	75	1275	2.289	ug/L #	76
69) 1,3,5-Trichlorobenzene	12.69	180	6797	2.439	ug/L	92
70) 1,2,4-trichlorobenzene	13.31	180	4260	1.763	ug/L #	85
71) Naphthalene	13.55	128	9080	1.483	ug/L #	86
72) 1,2,3-Trichlorobenzene	13.79	180	4276	1.758	ug/L	99

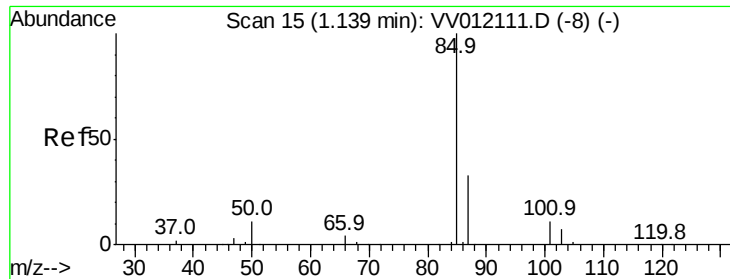
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.245 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

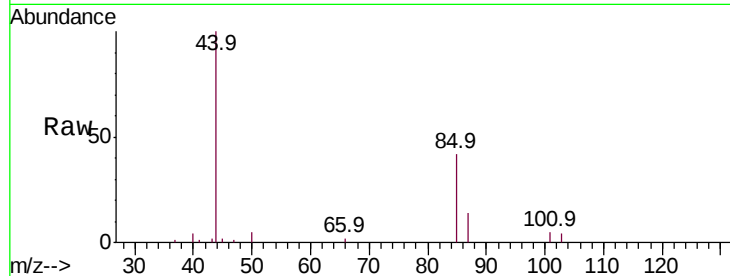
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 4288

Ion Ratio Lower Upper

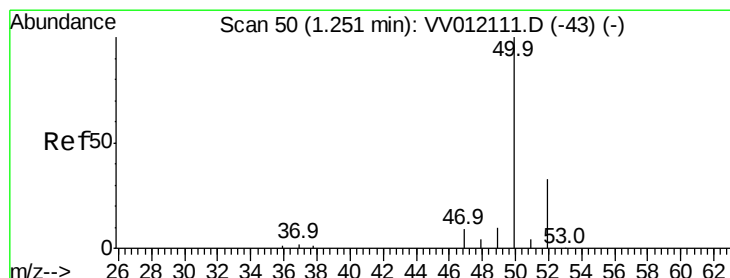
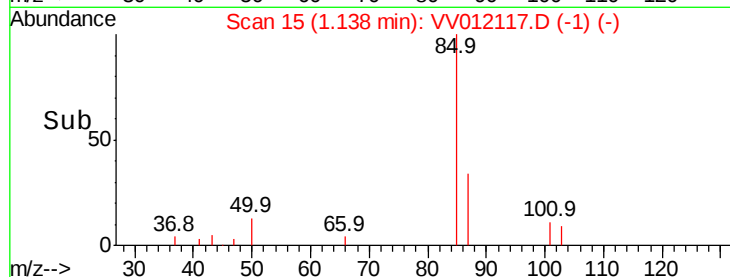
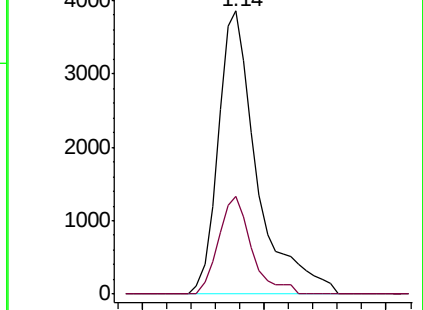
85 100

87 28.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV012111.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012111.D (-8) (-)



#3

Chloromethane

Concen: 2.587 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012117.D

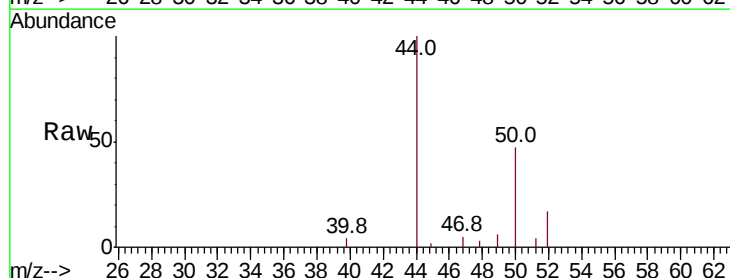
Acq: 06 Aug 2019 16:20

Tgt Ion: 50 Resp: 3509

Ion Ratio Lower Upper

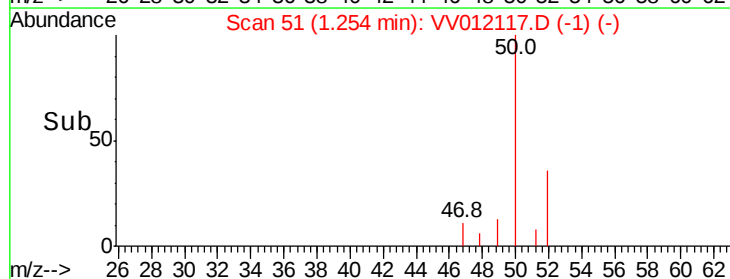
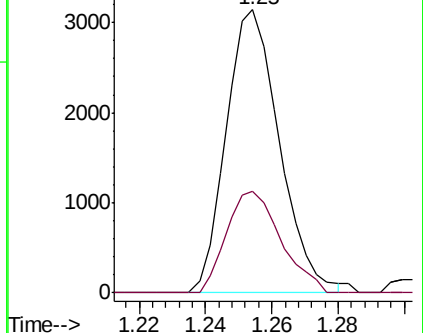
50 100

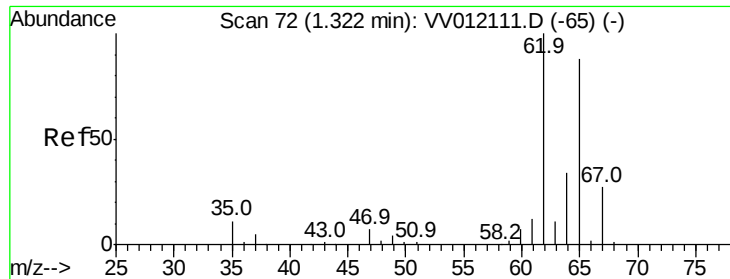
52 35.9 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV012111.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012111.D (-43) (-)





#5

Vinyl chloride

Concen: 2.294 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

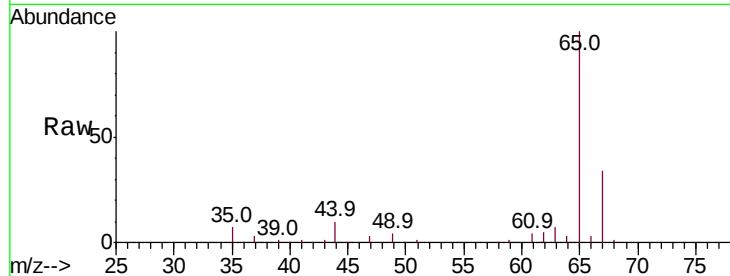
ClientSampleId :

Tot Ion: 62 Resp: 3004

Ion Ratio Lower Upper

62 100

64 58.2 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

2500

2000

1500

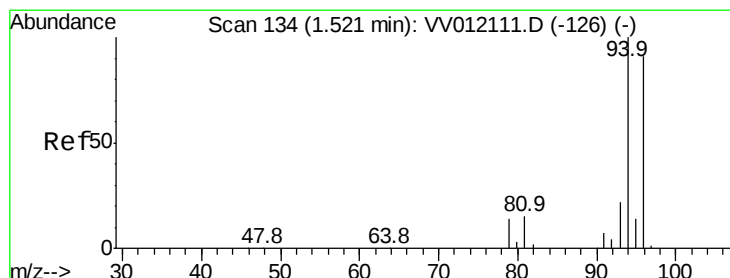
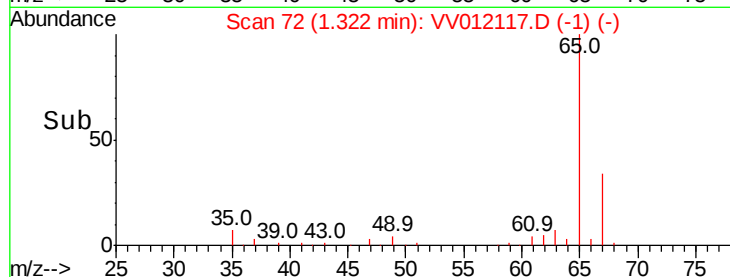
1000

500

0

1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 2.389 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.01 min

Lab File: VV012117.D

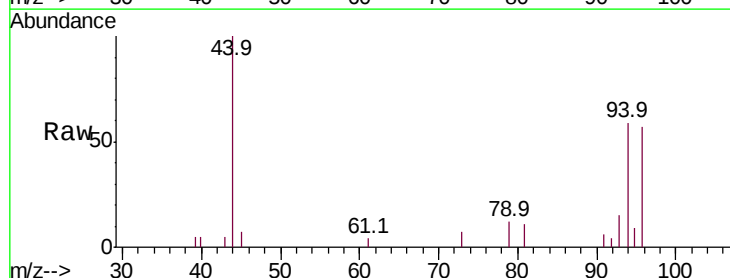
Acq: 06 Aug 2019 16:20

Tgt Ion: 94 Resp: 1816

Ion Ratio Lower Upper

94 100

96 84.0 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

1500

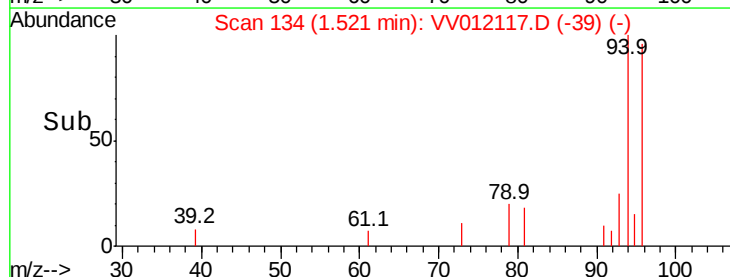
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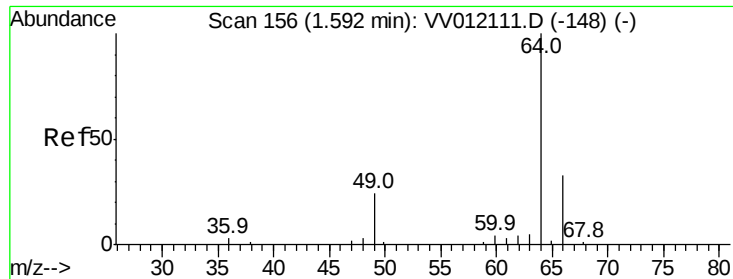
500

0

1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 2.074 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

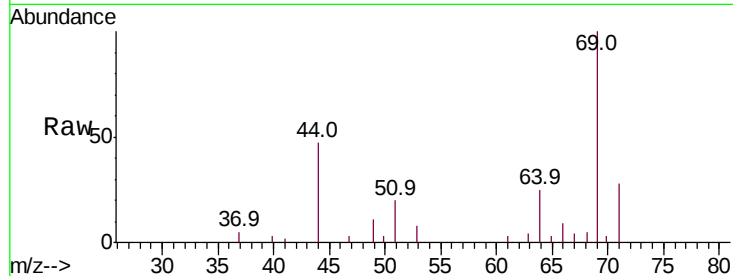
ClientSampled :

Tot Ion: 64 Resp: 1422

Ion Ratio Lower Upper

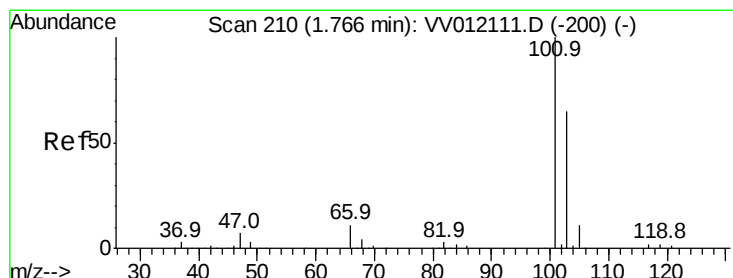
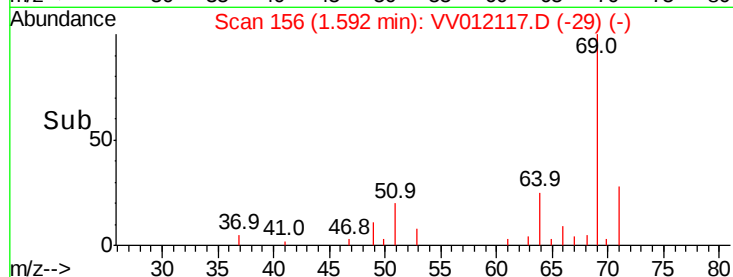
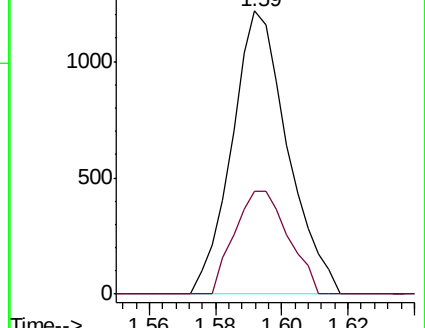
64 100

66 36.5 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012117.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV012117.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 2.090 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV012117.D

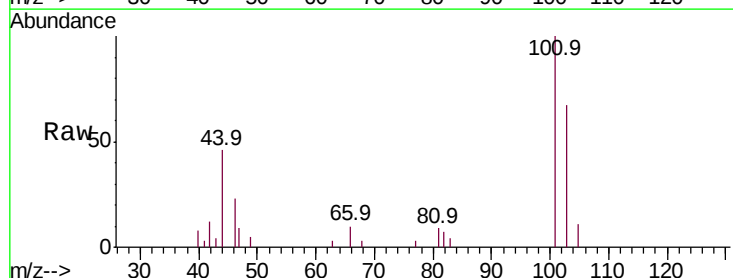
Acq: 06 Aug 2019 16:20

Tgt Ion: 101 Resp: 4448

Ion Ratio Lower Upper

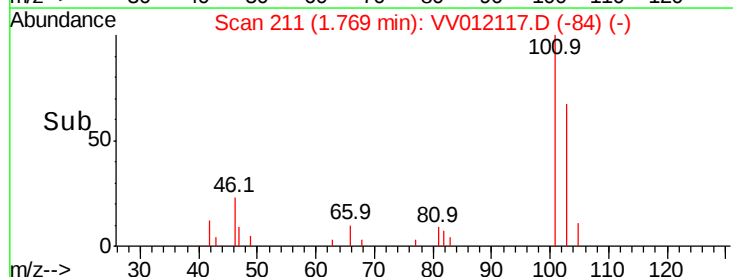
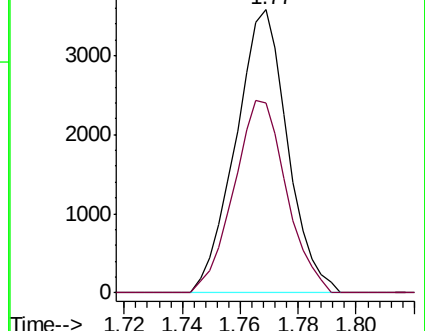
101 100

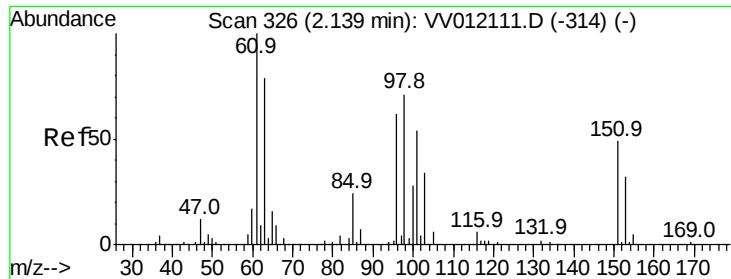
103 68.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012117.D (-84) (-)

Ion 103.00 (102.70 to 103.70): VV012117.D (-84) (-)





#10

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

Concen: 3.034 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

ClientSampled :

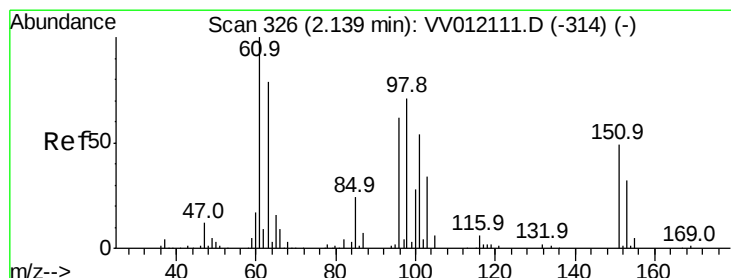
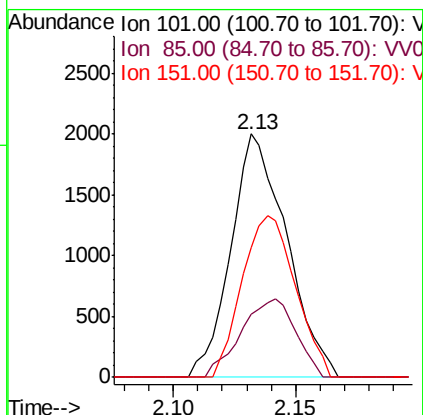
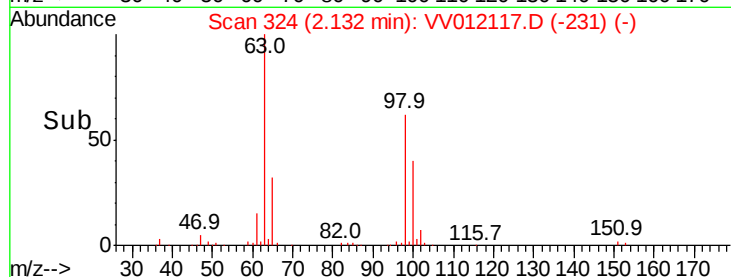
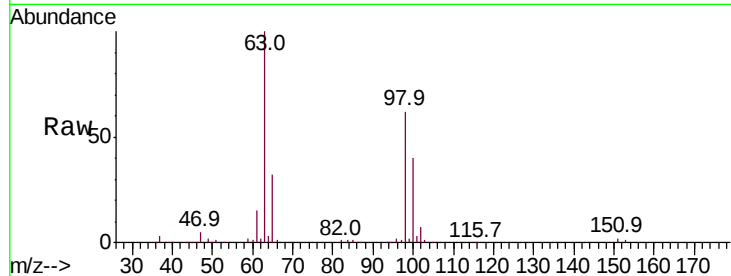
Tot Ion:101 Resp: 3166

Ion Ratio Lower Upper

101 100

85 31.7 34.4 51.6#

151 63.5 72.2 108.2#



#12

1,1-Dichloroethene

Concen: 2.449 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

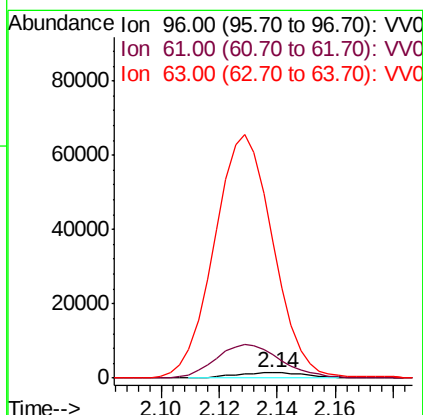
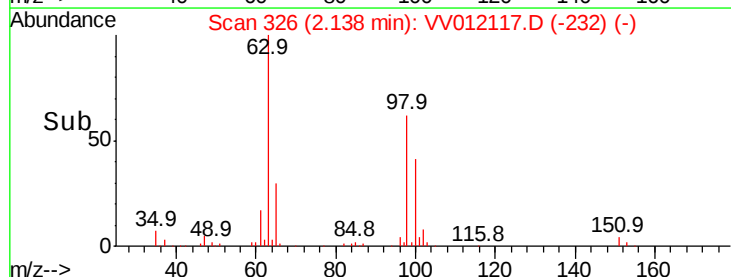
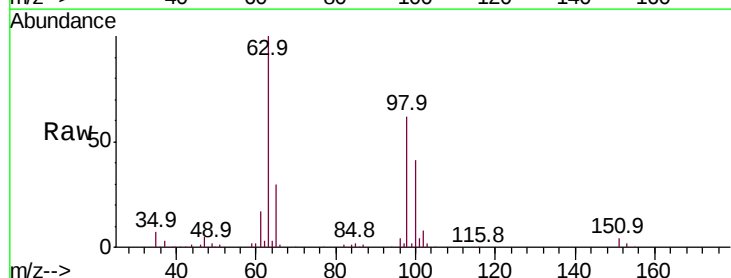
Tgt Ion: 96 Resp: 2406

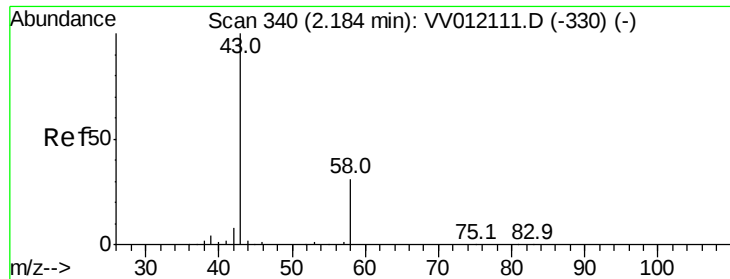
Ion Ratio Lower Upper

96 100

61 438.6 120.0 223.0#

63 2542.0 98.3 182.7#





#13

Acetone

Concen: 3.686 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

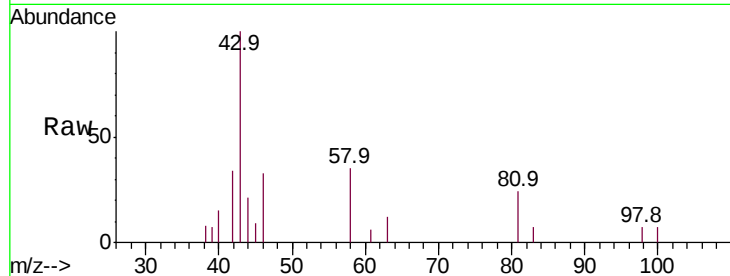
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

58 34.1 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV012111.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV012111.D (-330) (-)

2000

1500

1000

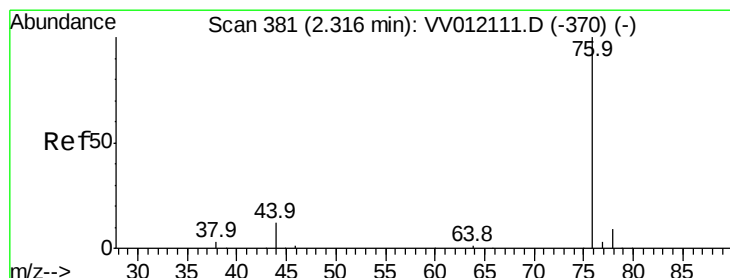
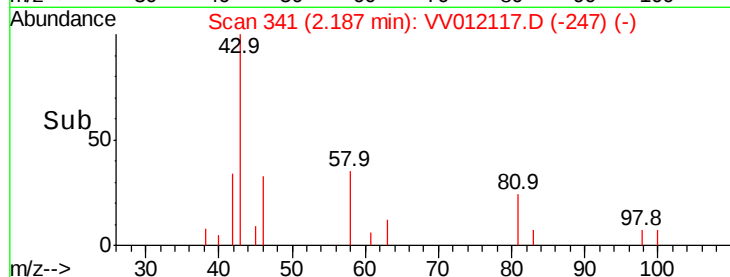
500

0

2.15

2.20

Time-->



#14

Carbon disulfide

Concen: 2.240 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012117.D

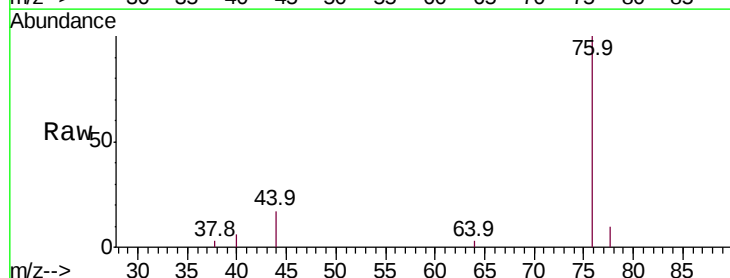
Acq: 06 Aug 2019 16:20

Tgt Ion: 76 Resp: 7438

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV012111.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV012111.D (-370) (-)

6000

5000

4000

3000

2000

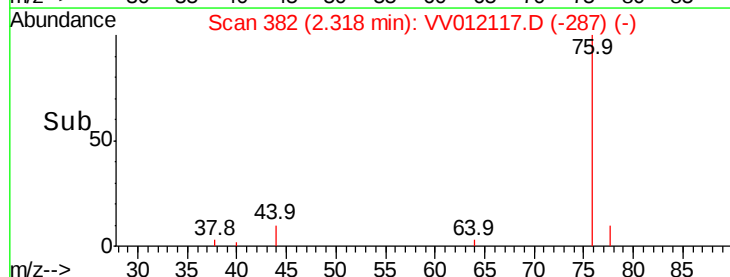
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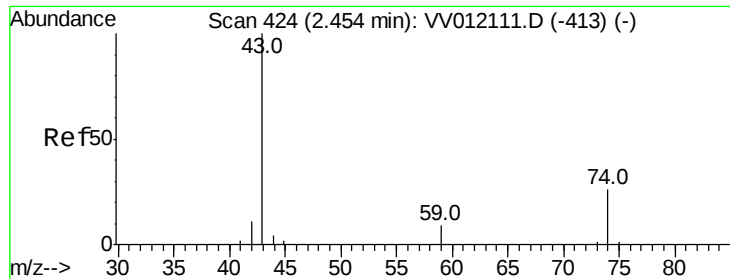
0

2.30

2.35

Time-->





#15

Methyl Acetate

Concen: 2.124 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

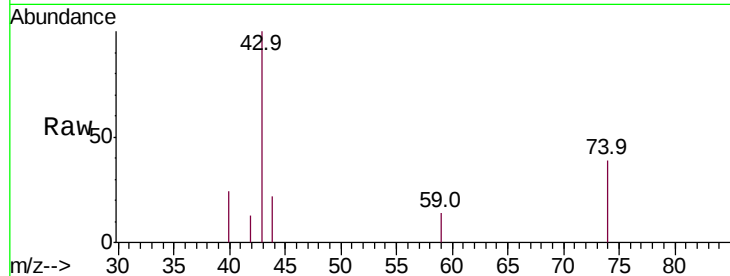
ClientSampleId :

Tot Ion: 43 Resp: 2730

Ion Ratio Lower Upper

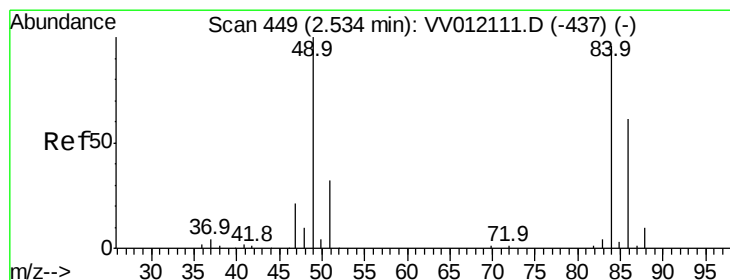
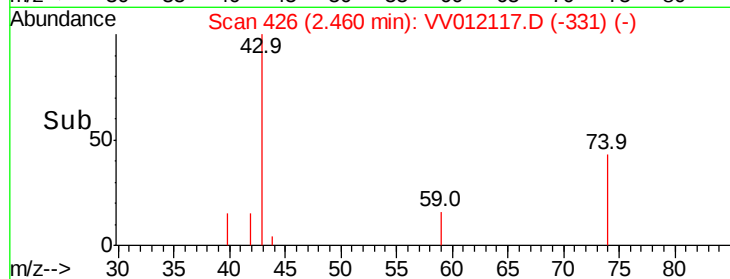
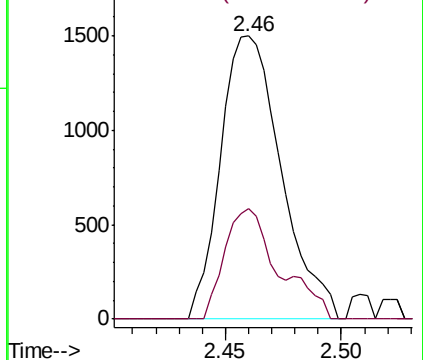
43 100

74 29.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 2.382 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

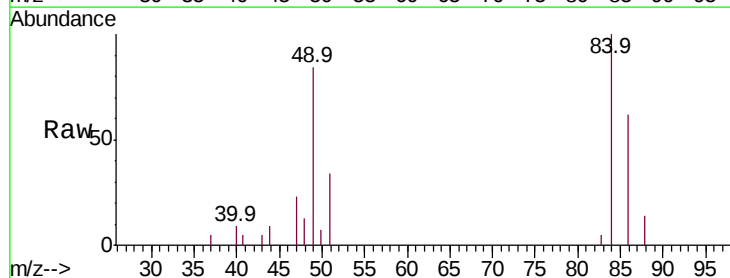
Tgt Ion: 84 Resp: 3552

Ion Ratio Lower Upper

84 100

86 62.5 45.7 84.9

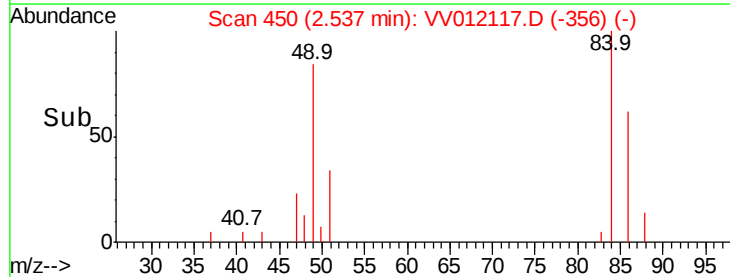
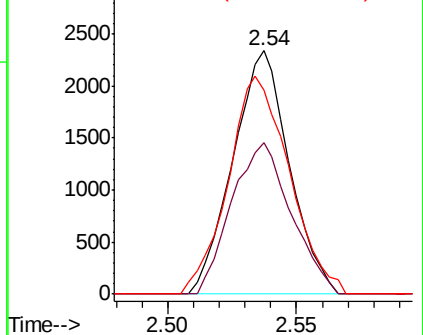
49 83.8 76.6 142.2

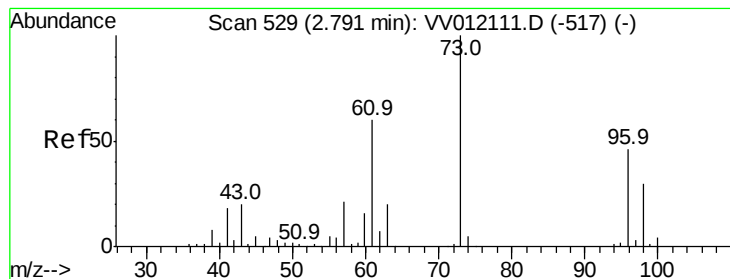


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.151 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :
MSVOA_V
ClientSampled :

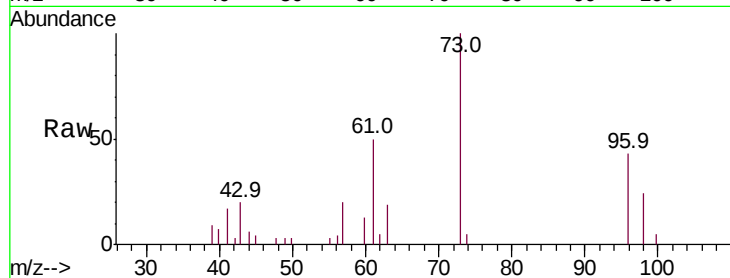
Tot Ion: 96 Resp: 2985

Ion Ratio Lower Upper

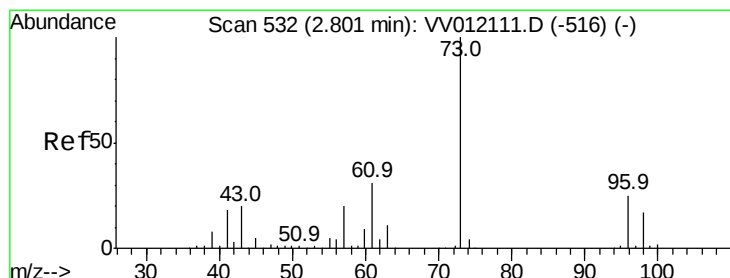
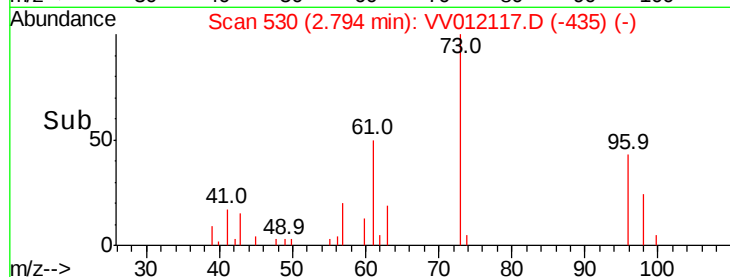
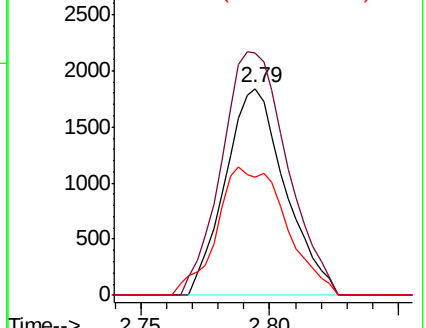
96 100

61 117.3 90.6 168.3

98 57.0 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 1.186 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

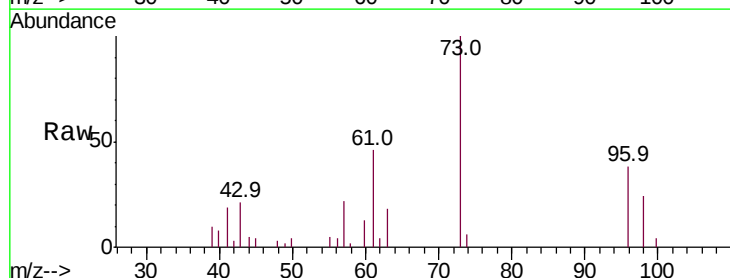
Tgt Ion: 73 Resp: 5656

Ion Ratio Lower Upper

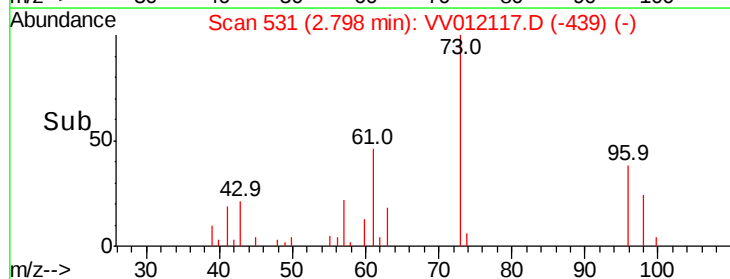
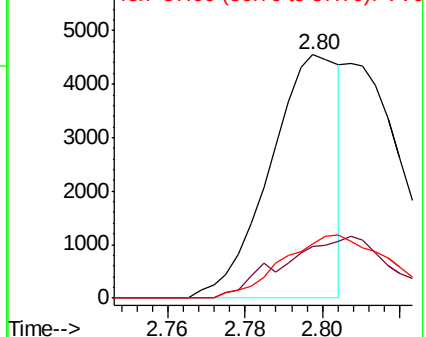
73 100

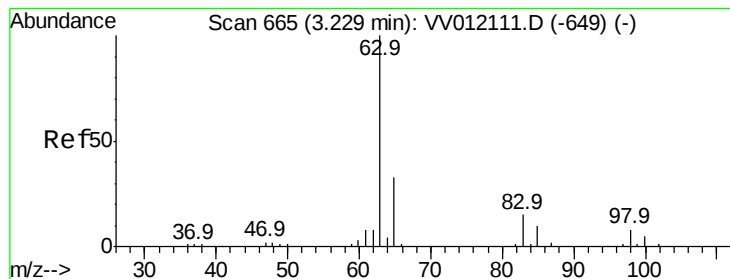
43 33.6 15.6 23.4#

57 39.3 16.0 24.0#



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.202 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :
MSVOA_V
ClientSampleId :

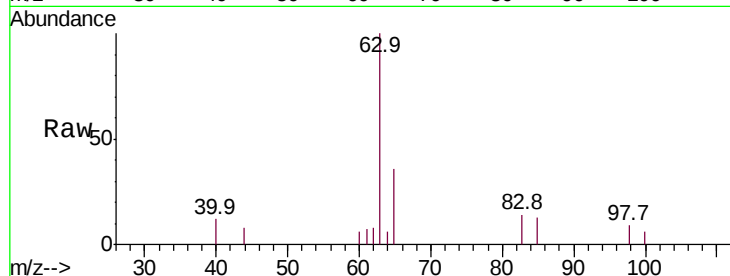
Tot Ion: 63 Resp: 5571

Ion Ratio Lower Upper

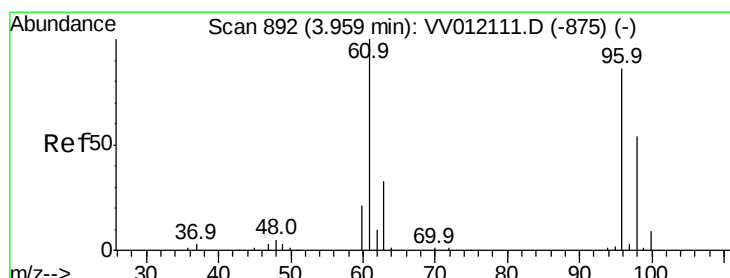
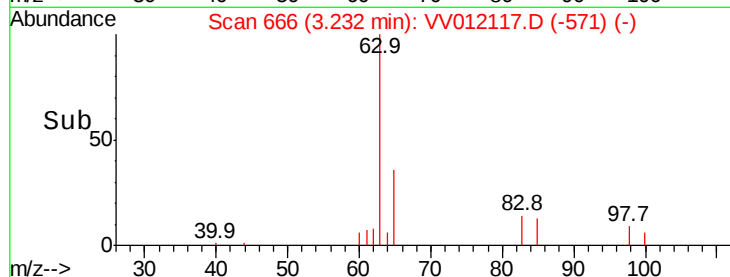
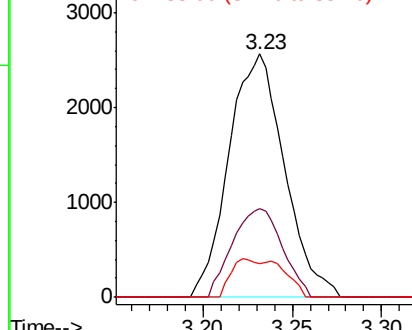
63 100

65 36.2 22.3 41.3

83 13.8 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.086 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

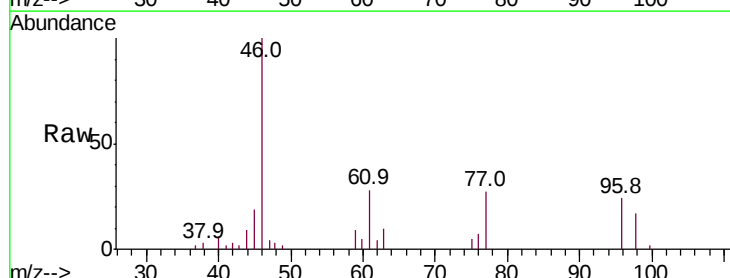
Tgt Ion: 96 Resp: 3409

Ion Ratio Lower Upper

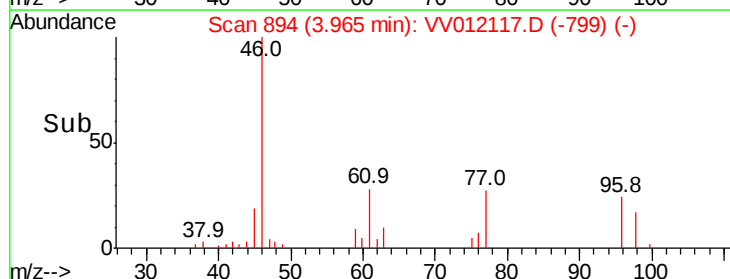
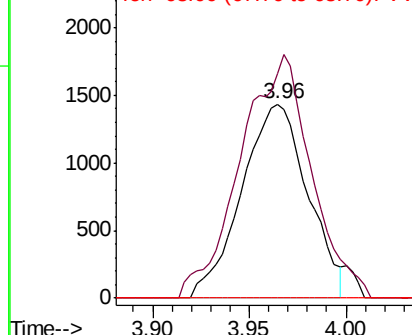
96 100

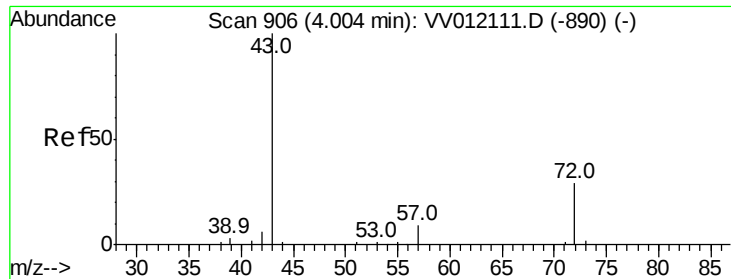
61 115.8 80.0 148.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 4.083 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

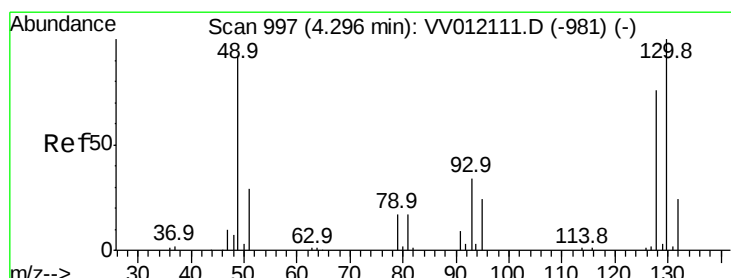
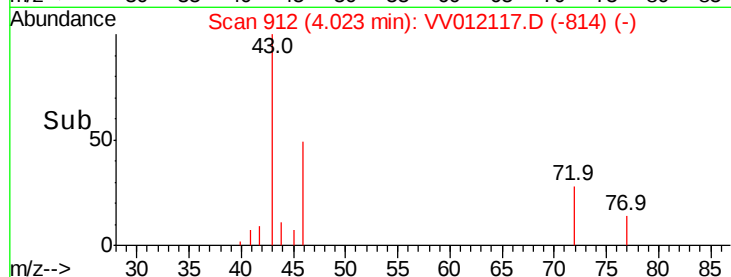
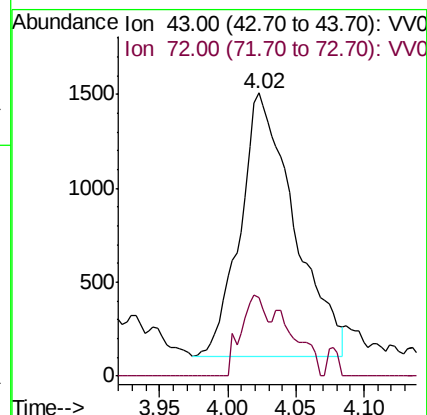
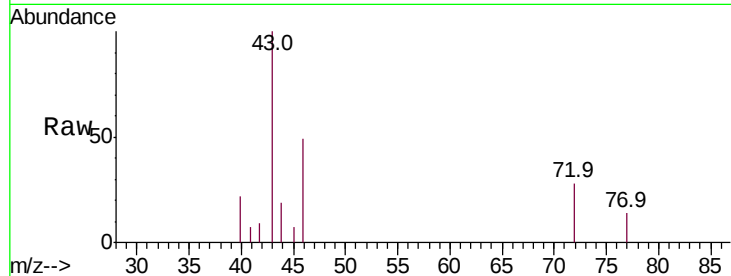
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

72 10.1 15.0 45.0#



#23

Bromochloromethane

Concen: 2.414 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Tgt Ion: 128 Resp: 2169

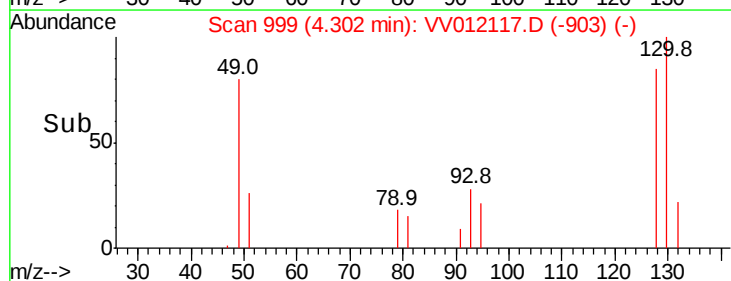
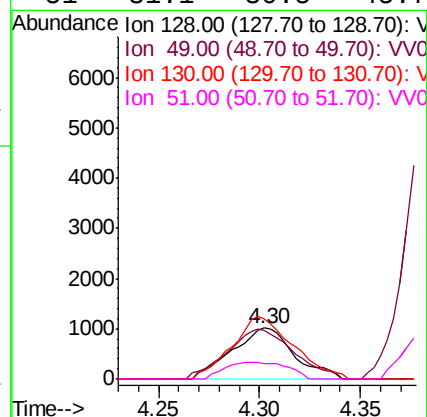
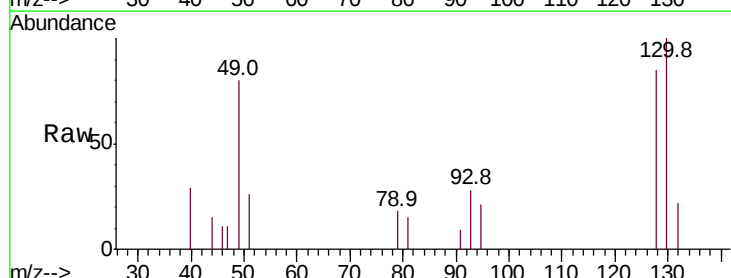
Ion Ratio Lower Upper

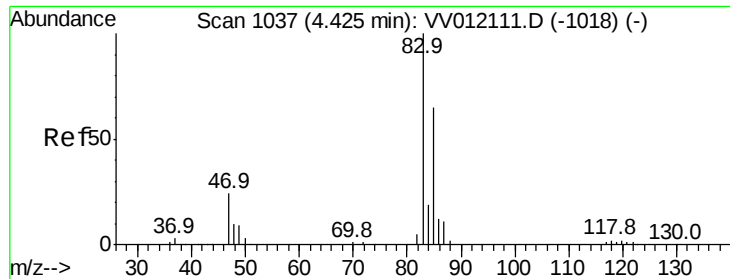
128 100

49 94.0 84.6 157.2

130 118.3 89.9 167.0

51 31.1 30.5 45.7

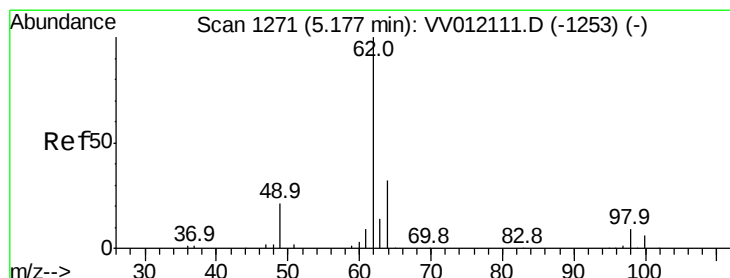
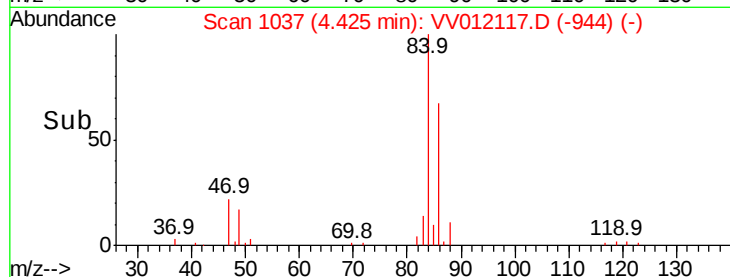
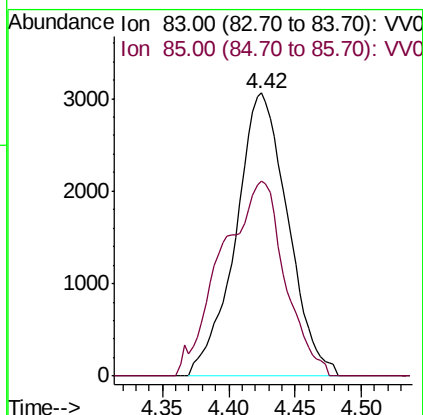
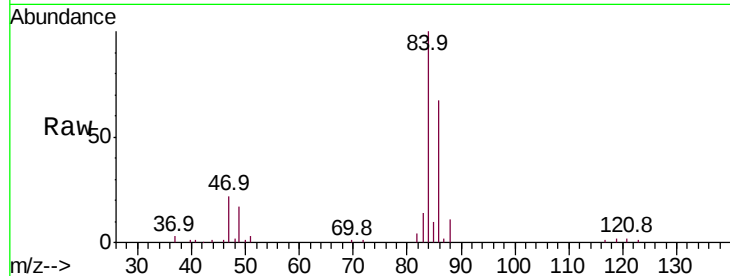




#25
Chloroform
Concen: 2.915 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

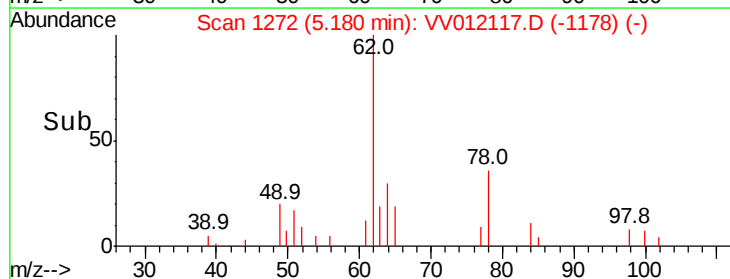
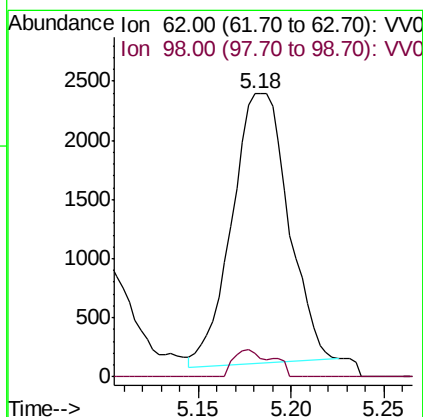
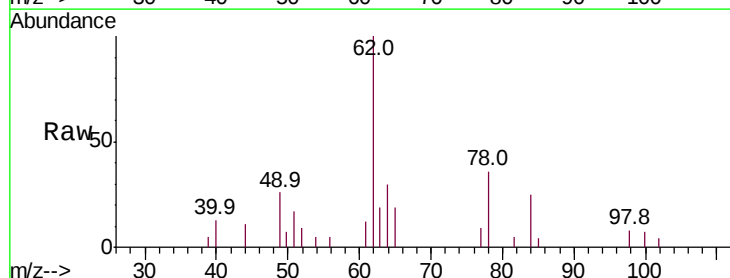
Instrument :
MSVOA_V
ClientSampleId :

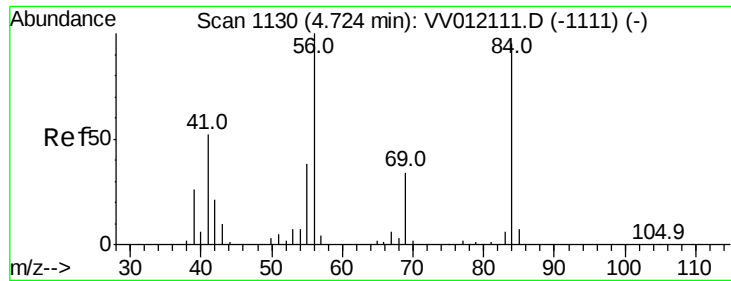
Tot Ion: 83 Resp: 8360
Ion Ratio Lower Upper
83 100
85 68.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.177 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Tgt Ion: 62 Resp: 4853
Ion Ratio Lower Upper
62 100
98 8.1 7.5 11.3

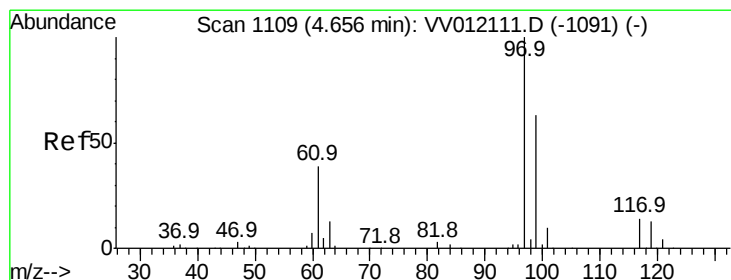
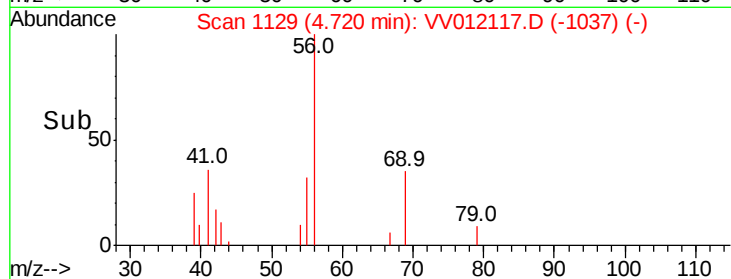
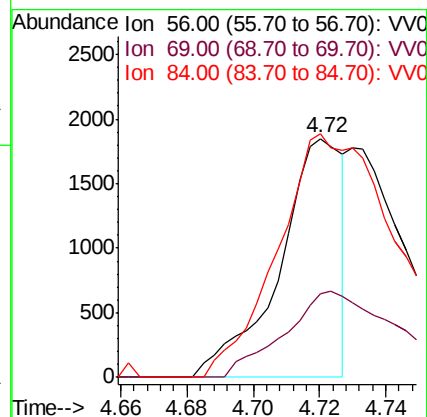
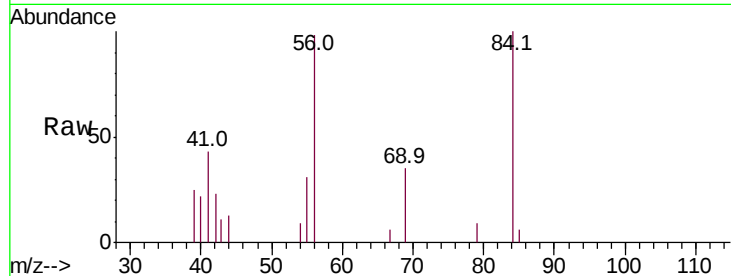




#29
Cyclohexane
Concen: 1.179 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

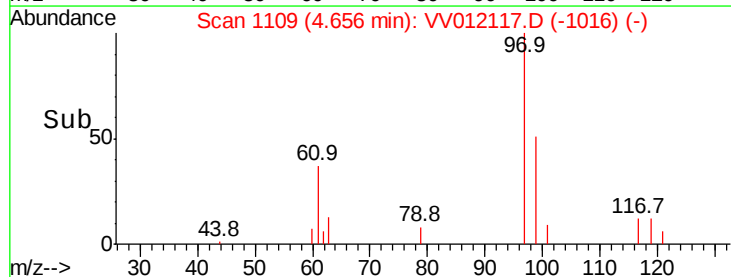
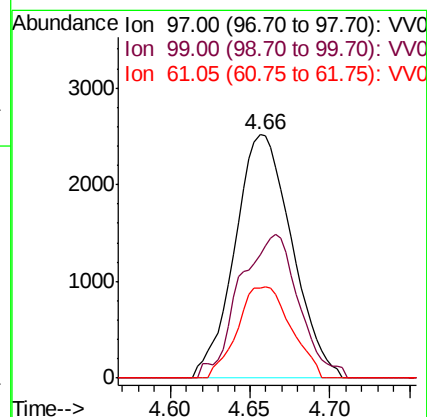
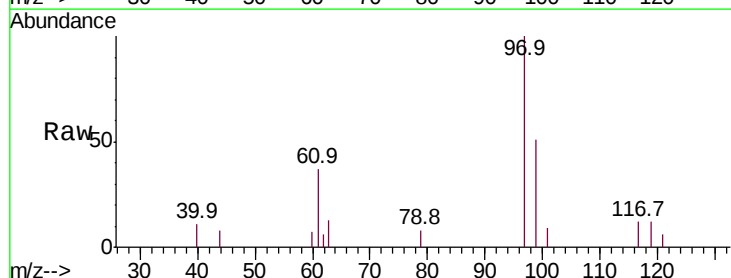
Instrument :
MSVOA_V
ClientSampled :

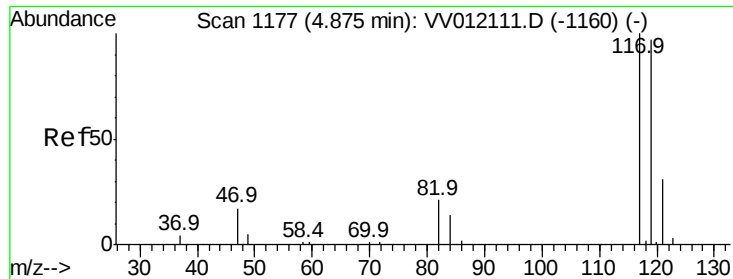
Tot Ion: 56 Resp: 2457
Ion Ratio Lower Upper
56 100
69 60.8 25.8 38.8#
84 104.8 76.0 114.0



#30
1,1,1-Trichloroethane
Concen: 2.322 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Tgt Ion: 97 Resp: 6145
Ion Ratio Lower Upper
97 100
99 60.2 51.1 76.7
61 0.0 31.3 46.9#

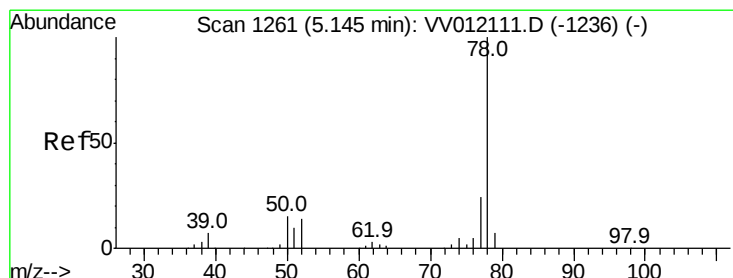
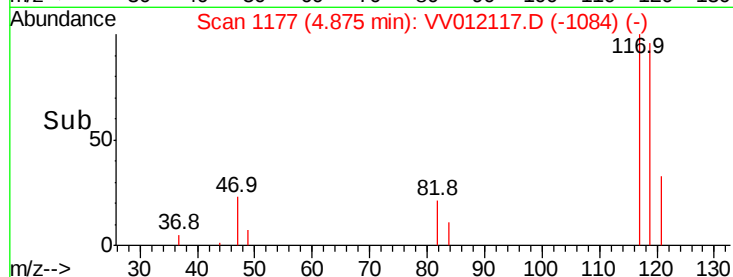
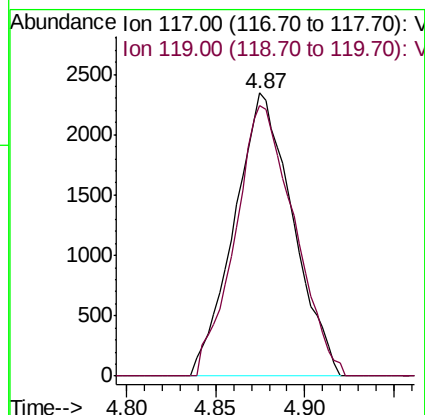
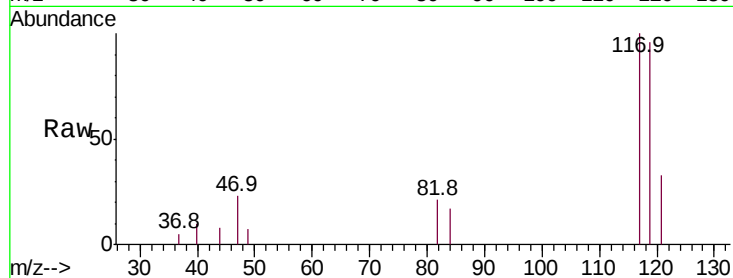




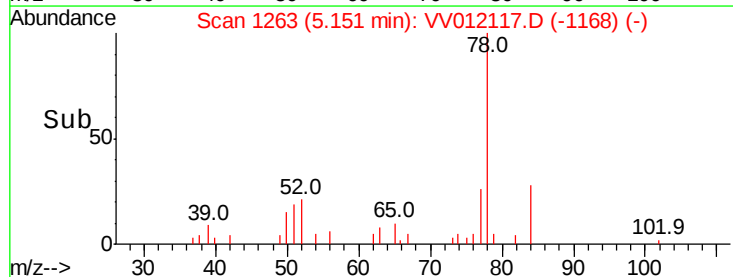
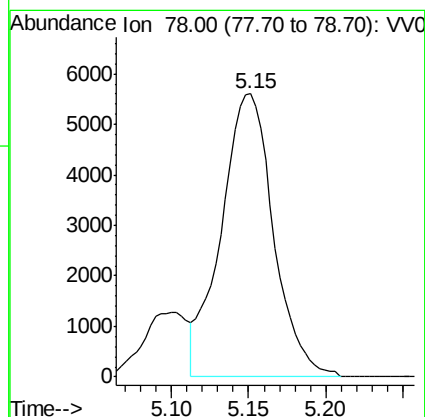
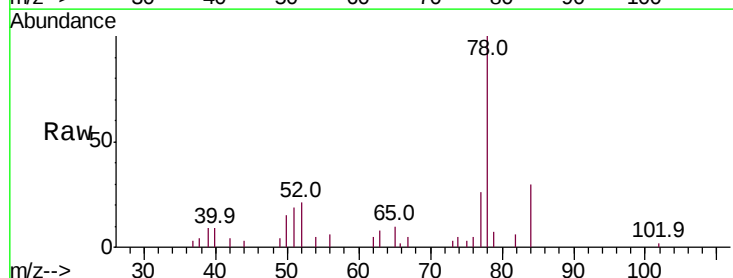
#31
Carbon tetrachloride
Concen: 2.185 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

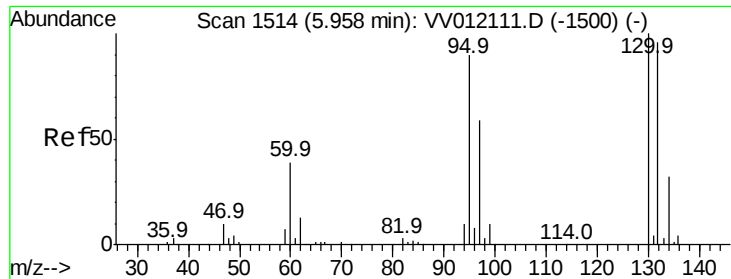
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 5365
Ion Ratio Lower Upper
117 100
119 96.5 78.2 117.4



#33
Benzene
Concen: 2.302 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20
Tgt Ion: 78 Resp: 13202



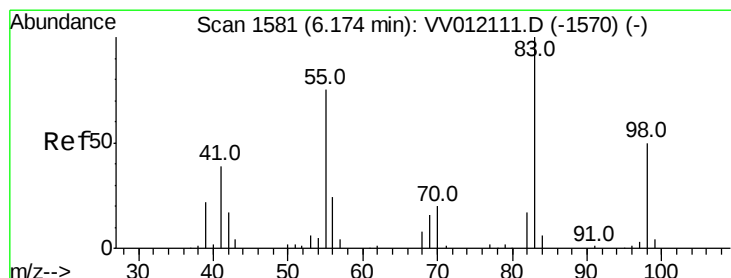
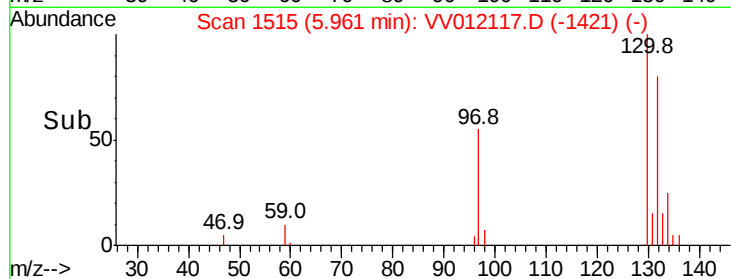
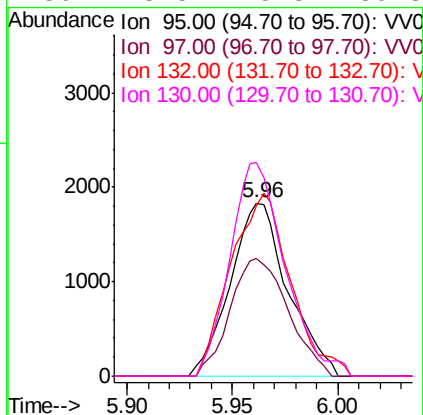
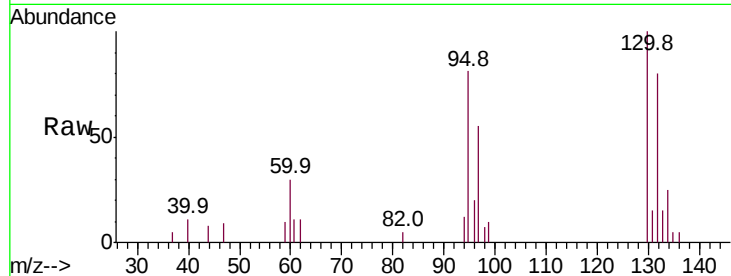


#34
 Trichloroethene
 Concen: 2.177 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3471

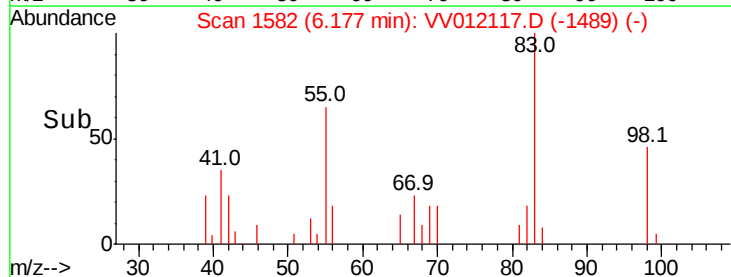
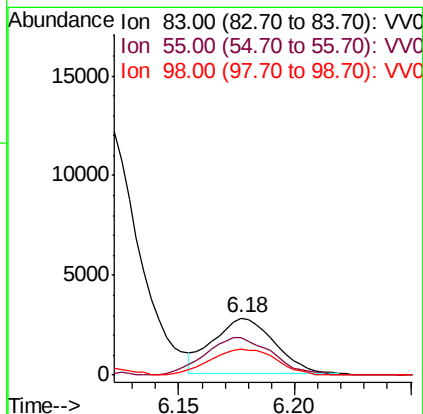
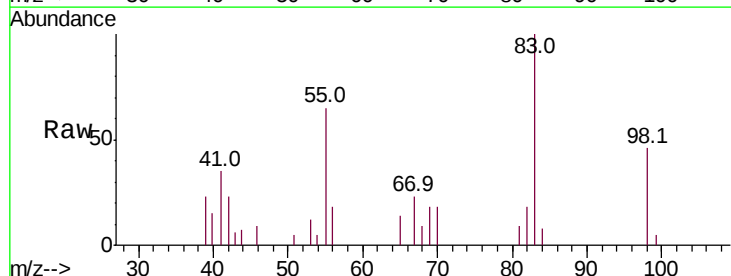
Ion	Ratio	Lower	Upper
95	100		
97	67.8	43.4	80.6
132	117.0	73.1	135.8
130	123.5	75.3	139.8

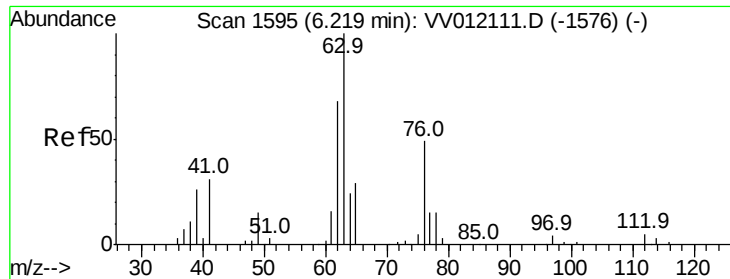


#35
 Methylcyclohexane
 Concen: 2.144 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Tgt Ion: 83 Resp: 5086

Ion	Ratio	Lower	Upper
83	100		
55	74.0	55.5	83.3
98	50.9	38.5	57.7





#37

1,2-Dichloropropane

Concen: 2.427 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

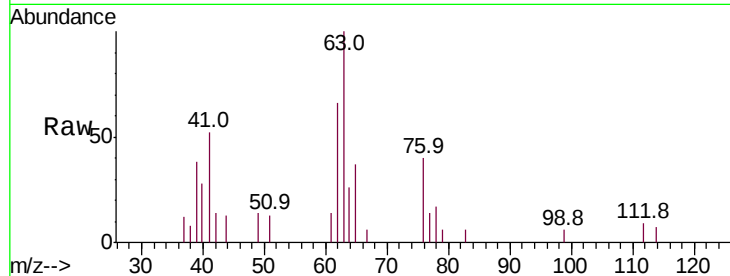
ClientSampleId :

Tot Ion: 63 Resp: 3395

Ion Ratio Lower Upper

63 100

112 4.3 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV012117.D (-1596) (-)

Ion 112.00 (111.70 to 112.70): VV012117.D (-1596) (-)

6.22

1500

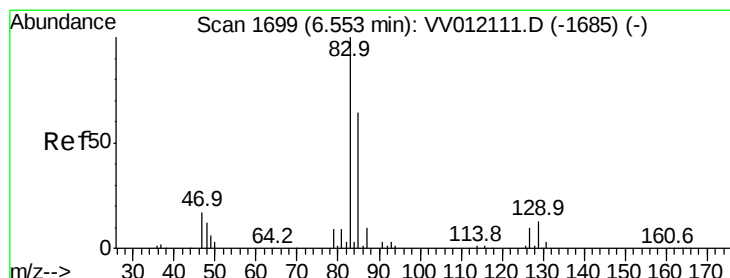
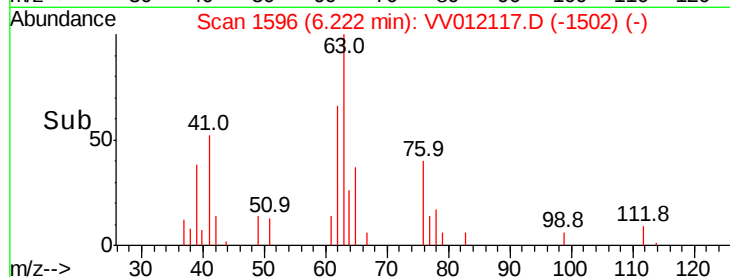
1000

500

0

6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 2.028 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

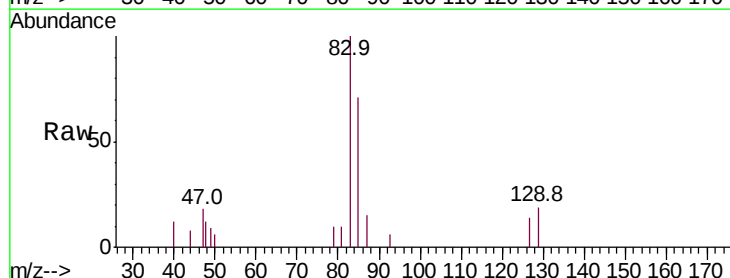
Tgt Ion: 83 Resp: 4464

Ion Ratio Lower Upper

83 100

85 71.2 45.0 83.6

127 14.5 7.9 11.9#



Abundance Ion 83.00 (82.70 to 83.70): VV012117.D (-1701) (-)

Ion 85.00 (84.70 to 85.70): VV012117.D (-1701) (-)

Ion 127.00 (126.70 to 127.70): VV012117.D (-1701) (-)

6.56

3000

2500

2000

1500

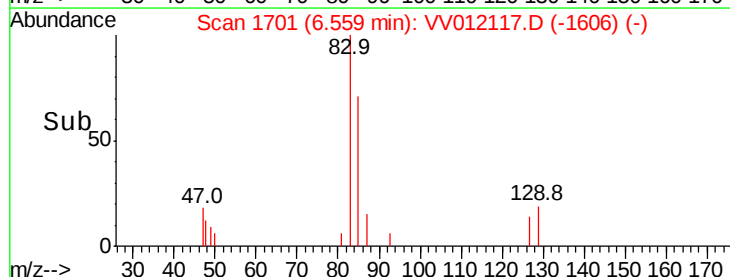
1000

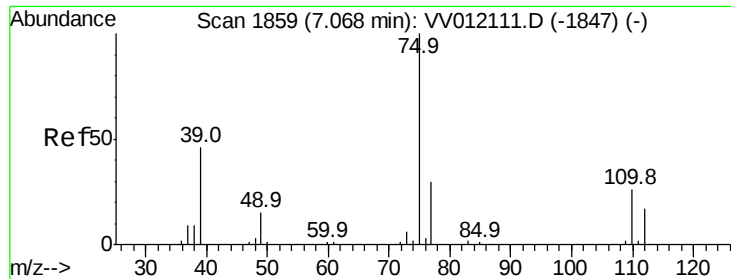
500

0

6.50 6.55 6.60

Time-->

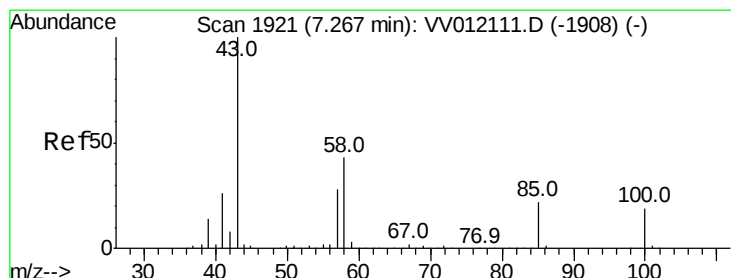
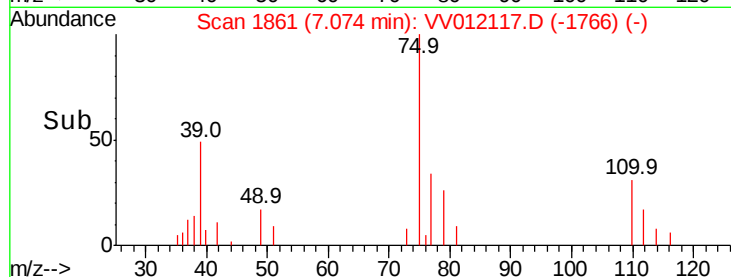
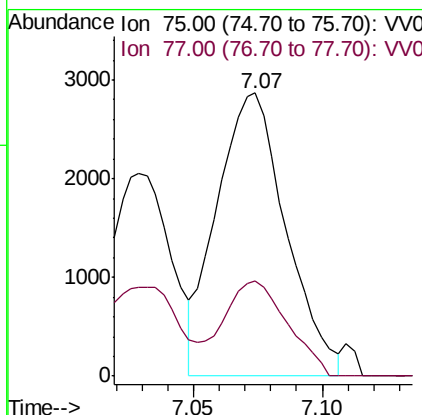
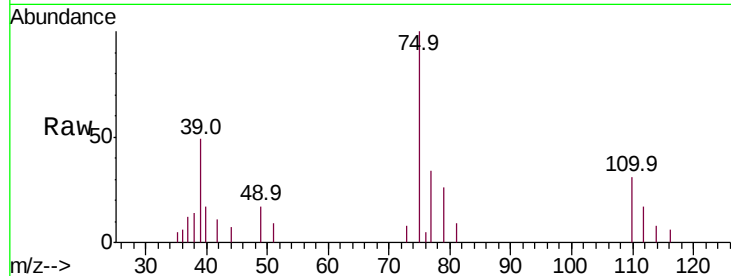




#39
 cis-1,3-Dichloropropene
 Concen: 2.173 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

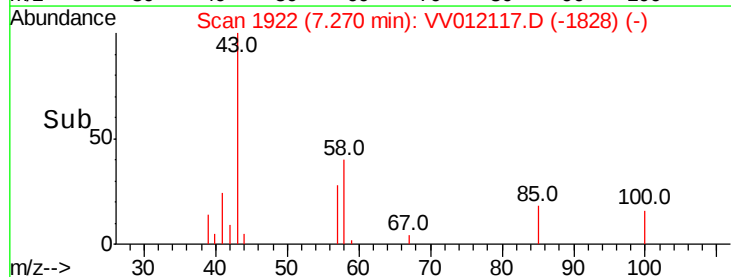
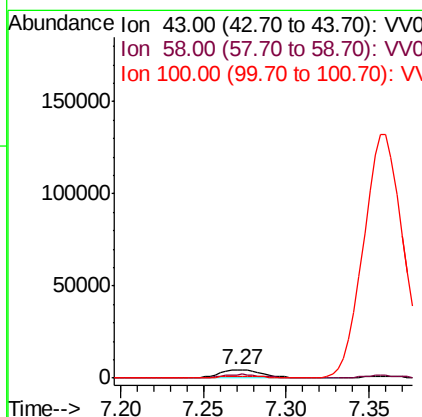
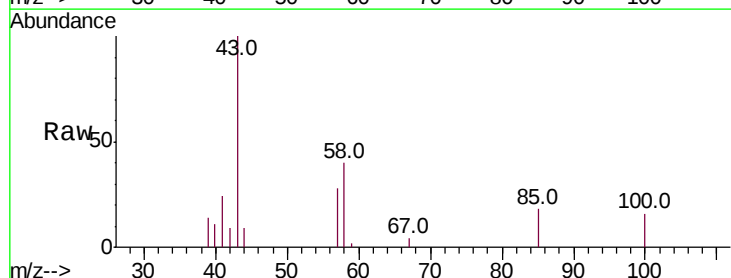
Instrument :
 MSVOA_V
 ClientSampleId :

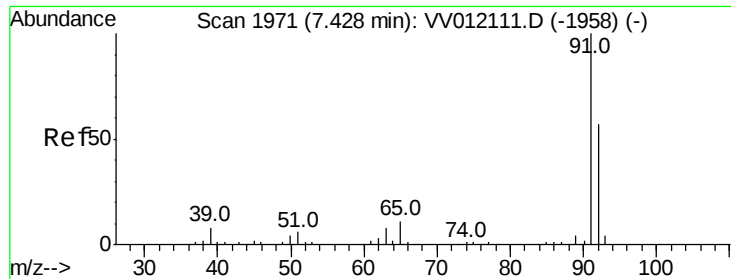
Tot Ion: 75 Resp: 5359
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.782 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Tgt Ion: 43 Resp: 8609
 Ion Ratio Lower Upper
 43 100
 58 39.4 33.4 50.2
 100 8.0 15.0 22.4#





#42

Toluene

Concen: 2.428 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

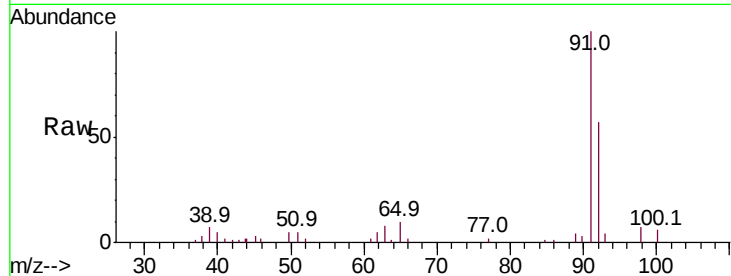
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 15475

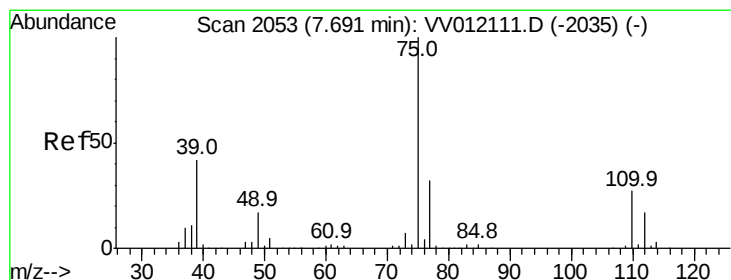
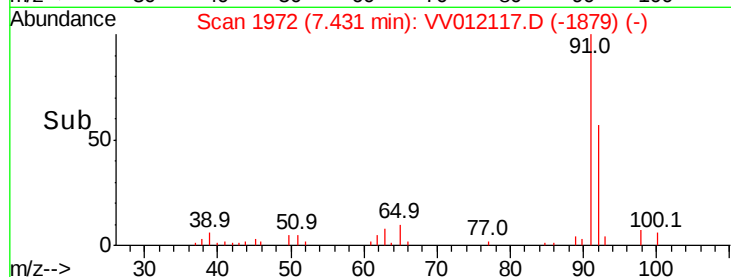
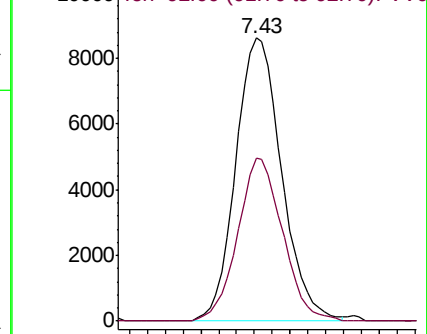
Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.051 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012117.D

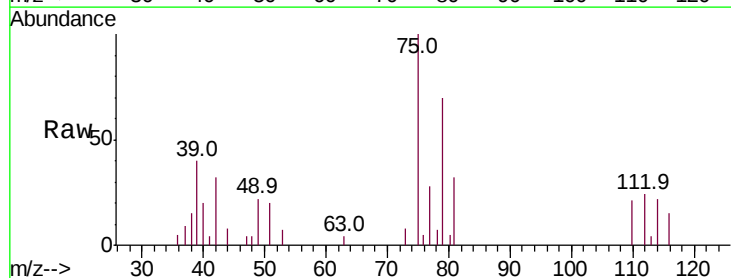
Acq: 06 Aug 2019 16:20

Tgt Ion: 75 Resp: 4776

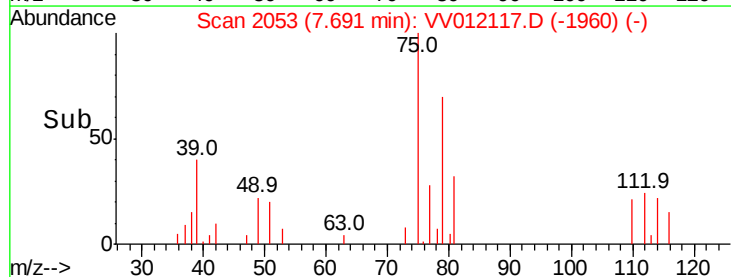
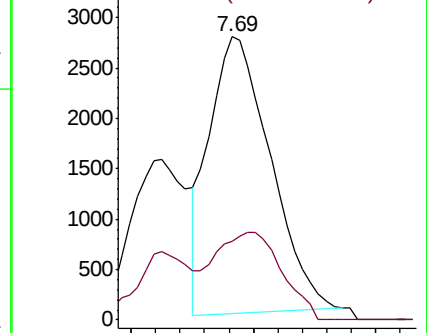
Ion Ratio Lower Upper

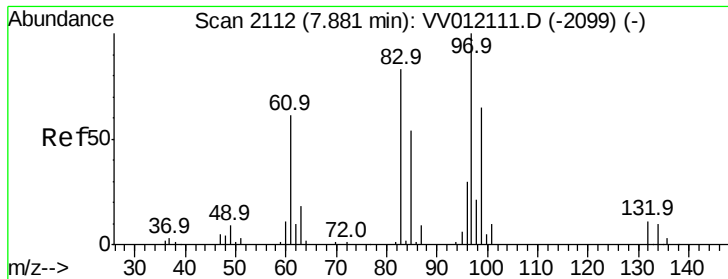
75 100

77 27.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 2.411 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 3635

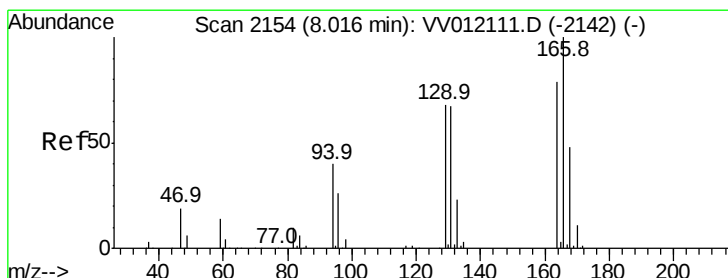
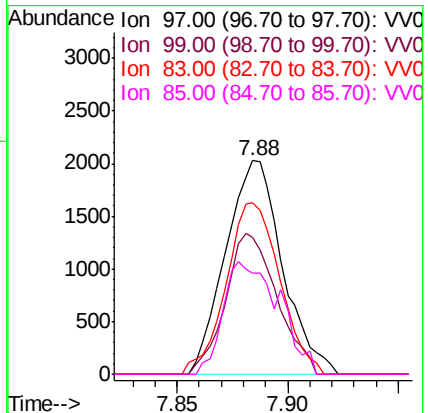
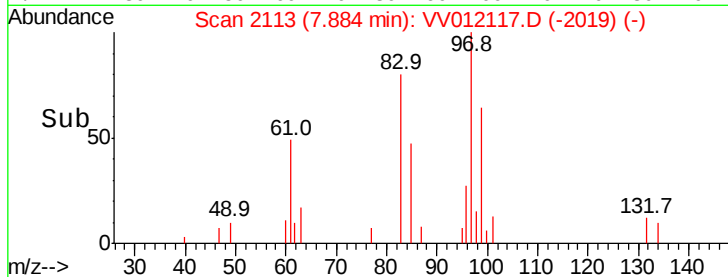
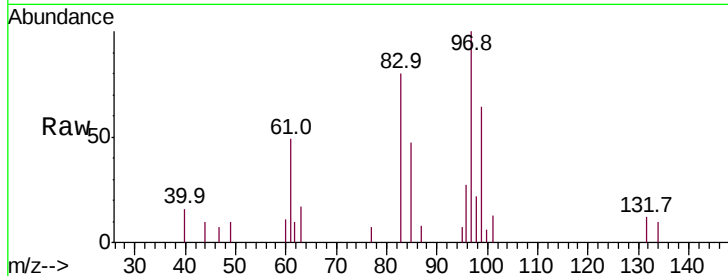
Ion	Ratio	Lower	Upper
97	100		
99	64.2	47.2	87.6
83	80.2	58.0	107.6
85	47.4	38.0	70.6

97 100

99 64.2 47.2 87.6

83 80.2 58.0 107.6

85 47.4 38.0 70.6



#46

Tetrachloroethene

Concen: 2.196 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Tgt Ion: 164 Resp: 3261

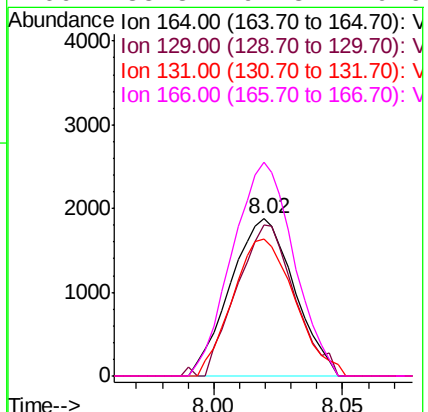
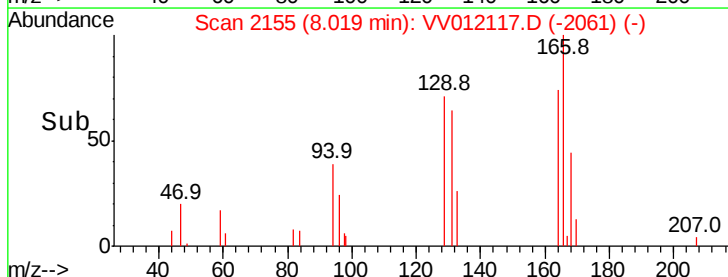
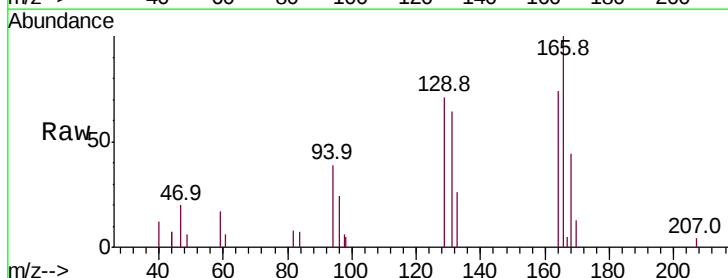
Ion	Ratio	Lower	Upper
164	100		
129	96.2	64.3	119.5
131	87.1	60.1	111.7
166	135.8	91.8	170.6

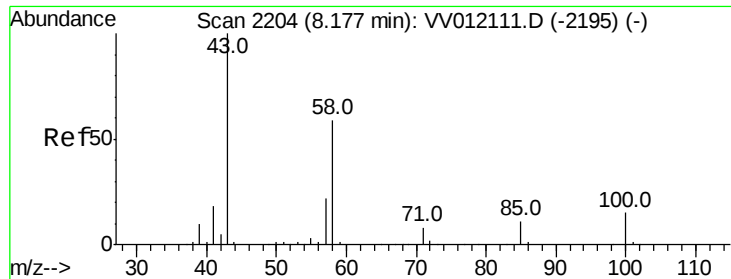
164 100

129 96.2 64.3 119.5

131 87.1 60.1 111.7

166 135.8 91.8 170.6

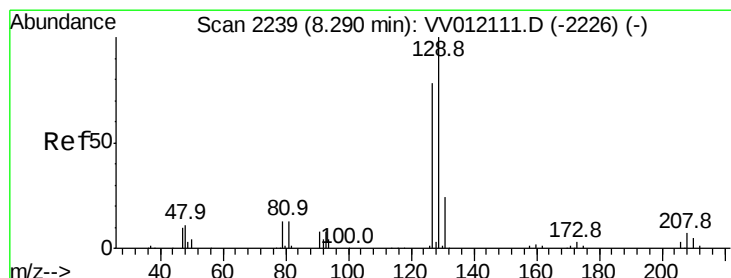
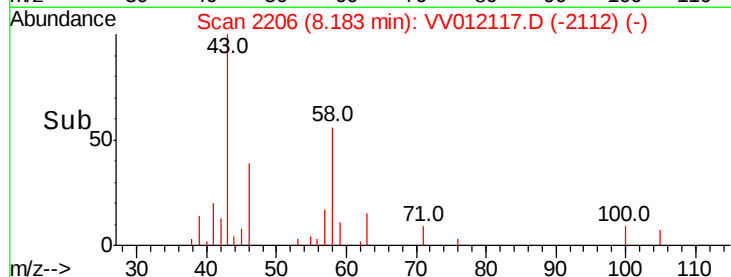
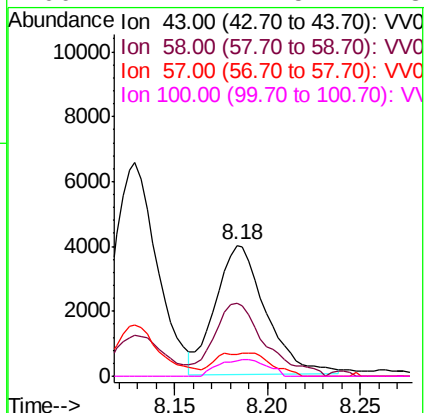
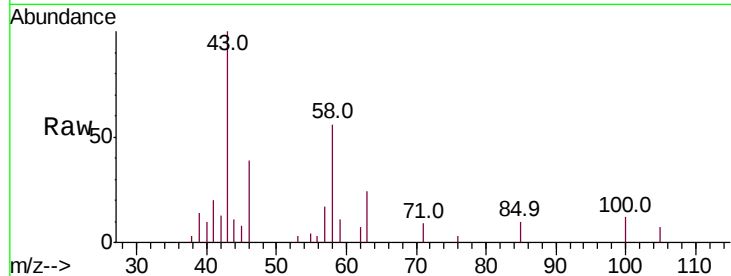




#48
2-Hexanone
Concen: 5.551 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

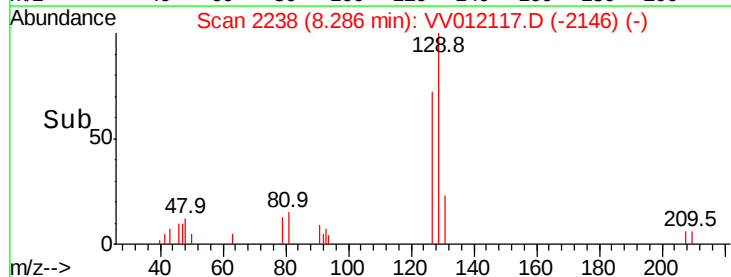
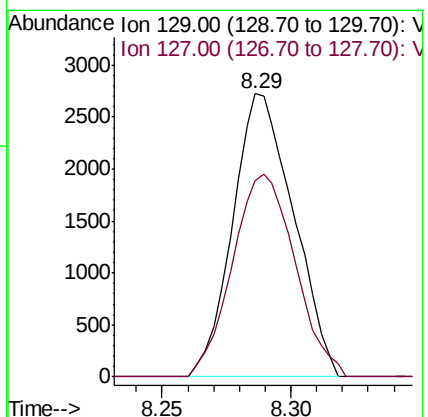
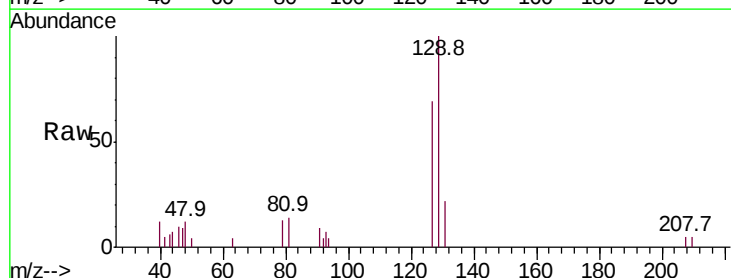
Instrument :
MSVOA_V
ClientSampled :

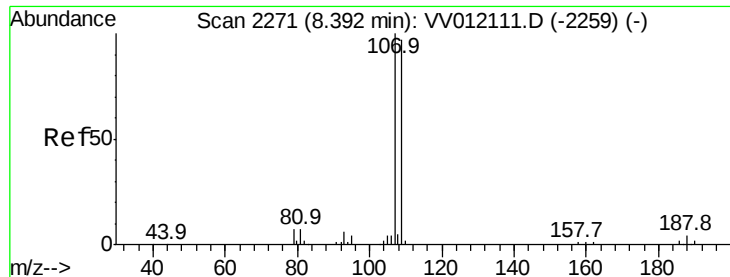
Tot Ion: 43 Resp: 7535
Ion Ratio Lower Upper
43 100
58 56.8 45.6 68.4
57 4.2 17.0 25.6#
100 12.4 11.5 17.3



#49
Dibromochloromethane
Concen: 2.289 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Tgt Ion: 129 Resp: 4480
Ion Ratio Lower Upper
129 100
127 69.4 53.8 100.0

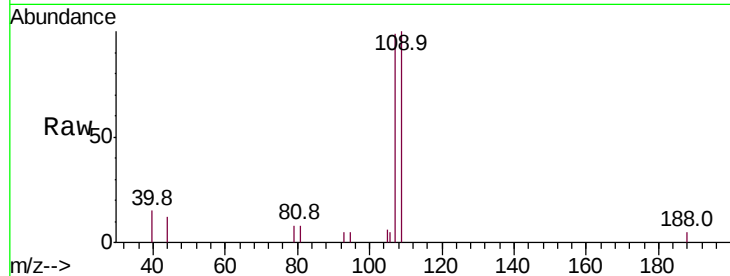




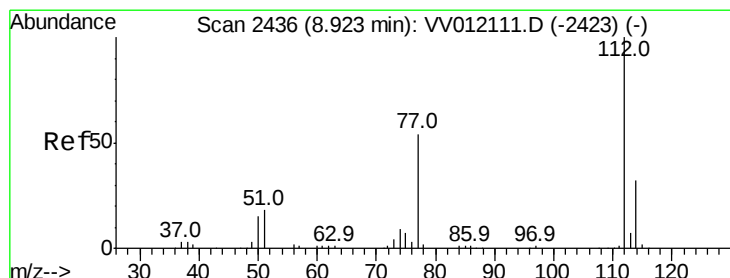
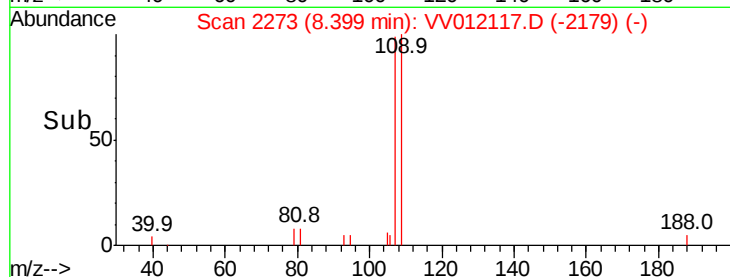
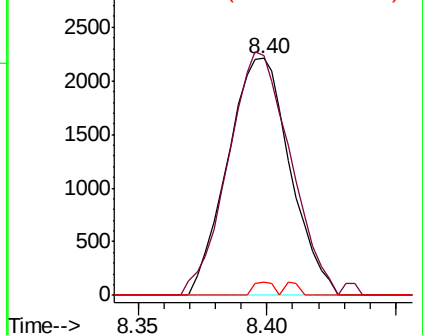
#50
 1,2-Dibromoethane
 Concen: 2.235 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.4	67.0	124.4
188	5.4	3.9	5.9

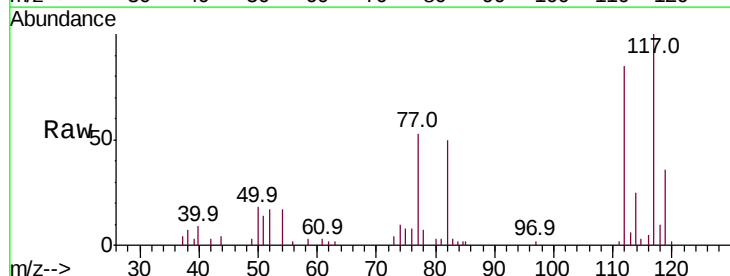


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

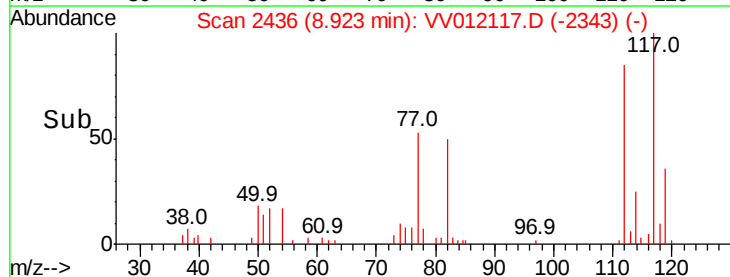
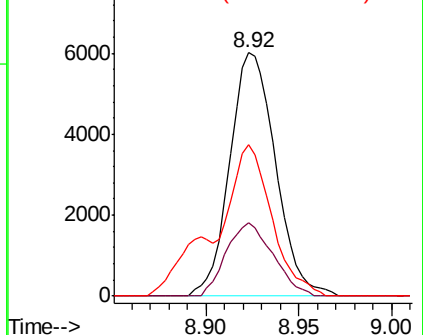


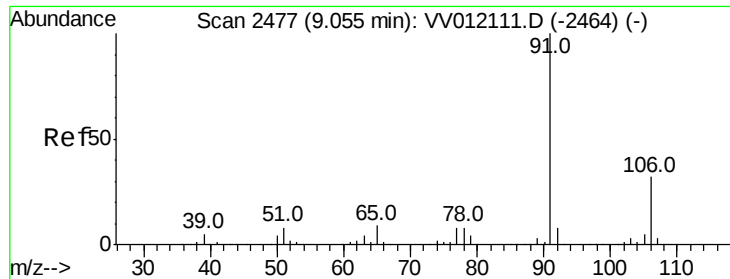
#51
 Chlorobenzene
 Concen: 2.400 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.9	22.8	42.4
77	62.0	44.7	67.1



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): VV0





#52

Ethylbenzene

Concen: 2.238 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

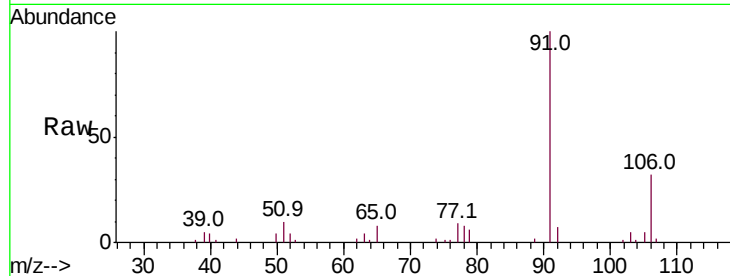
ClientSampled :

Tot Ion: 91 Resp: 16001

Ion Ratio Lower Upper

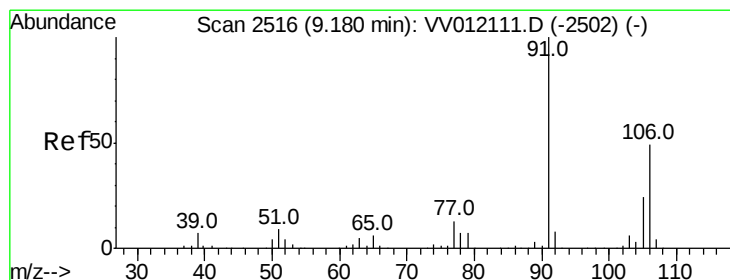
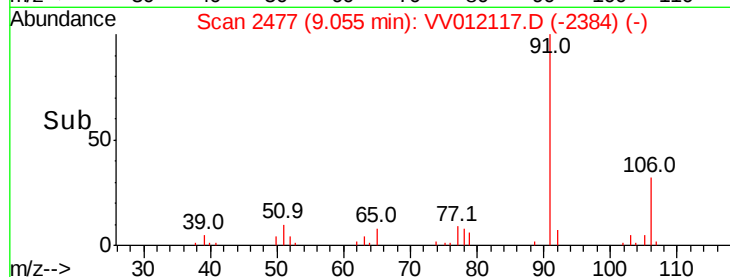
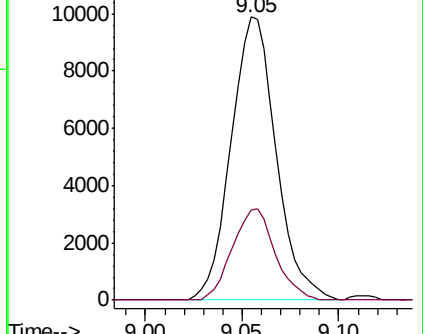
91 100

106 31.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV012117.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV012117.D (-2464) (-)



#53

m,p-Xylene

Concen: 2.087 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012117.D

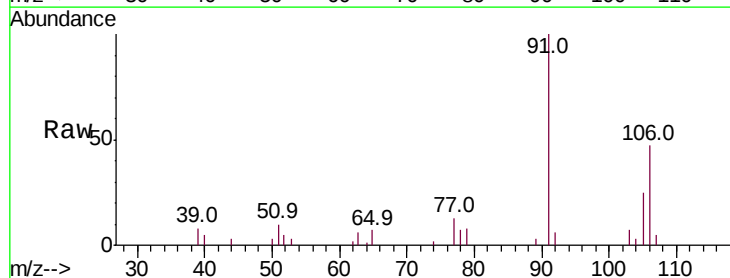
Acq: 06 Aug 2019 16:20

Tgt Ion: 106 Resp: 5758

Ion Ratio Lower Upper

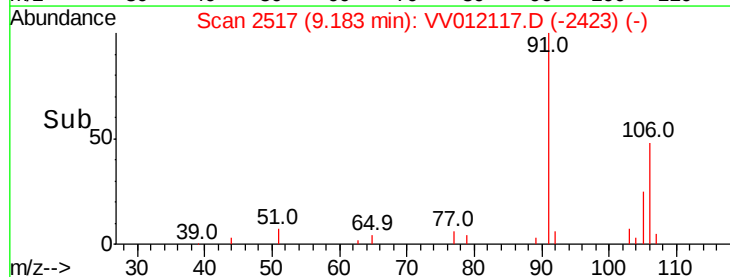
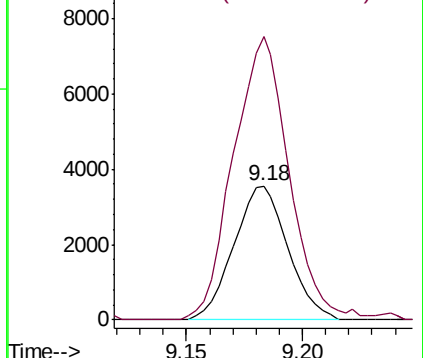
106 100

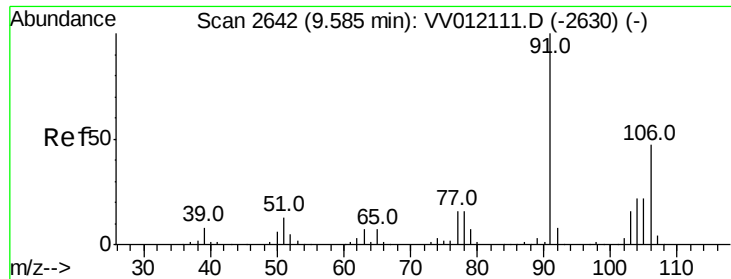
91 211.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV012117.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV012117.D (-2502) (-)

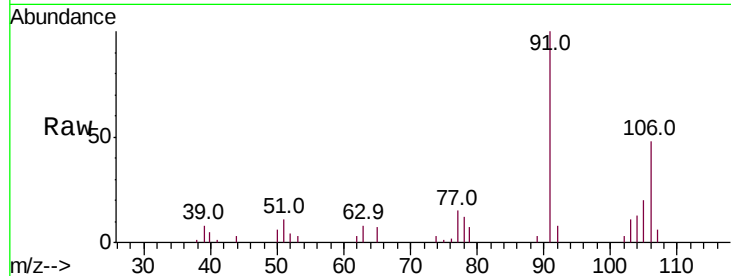




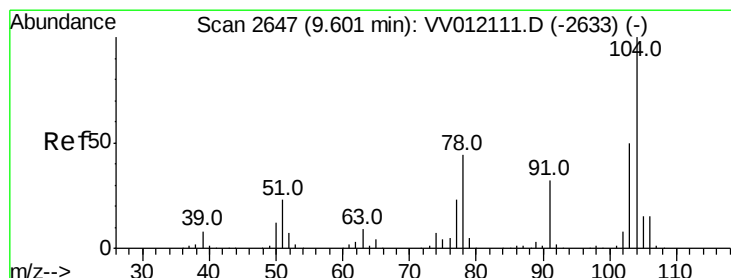
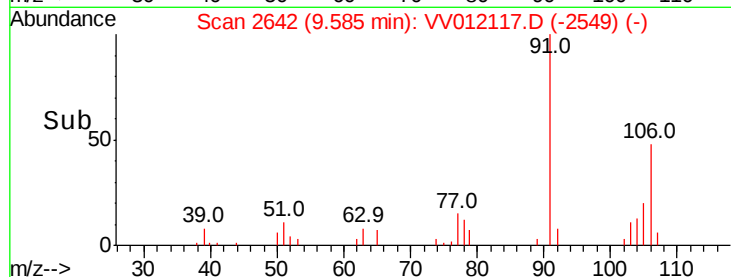
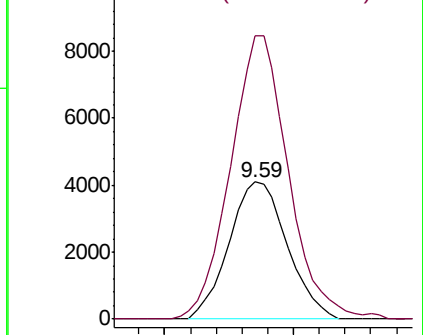
#54
o-Xylene
Concen: 2.356 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6450
Ion Ratio Lower Upper
106 100
91 206.5 150.4 279.2

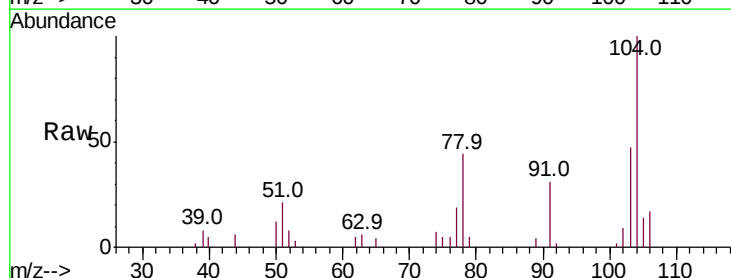


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

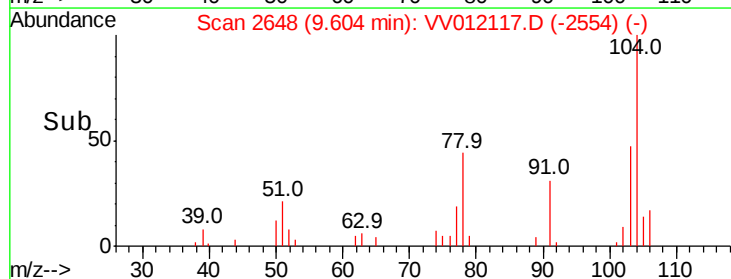
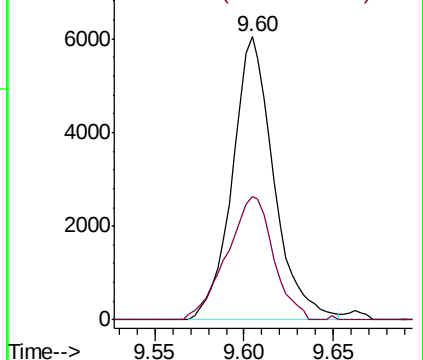


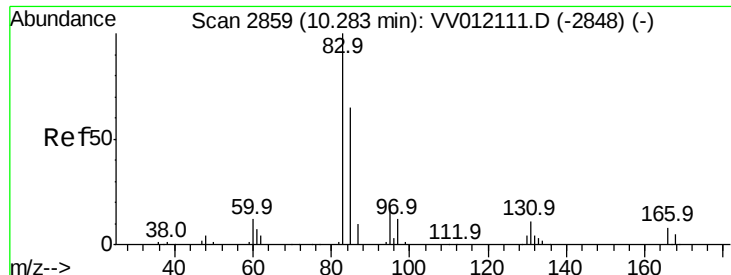
#55
Styrene
Concen: 2.133 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Tgt Ion:104 Resp: 9834
Ion Ratio Lower Upper
104 100
78 43.7 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.805 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

ClientSampleId :

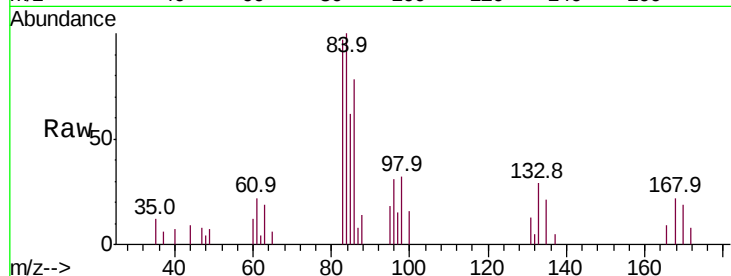
Tot Ion: 83 Resp: 6504

Ion Ratio Lower Upper

83 100

85 63.9 44.6 82.8

131 13.1 9.3 13.9

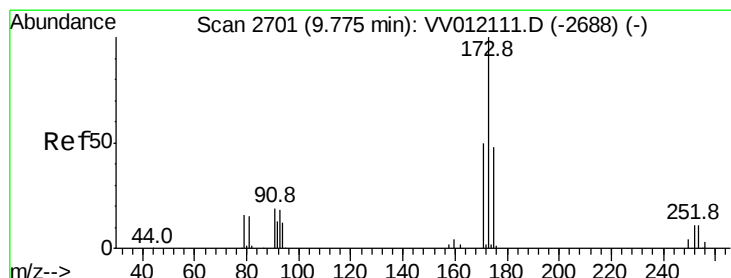
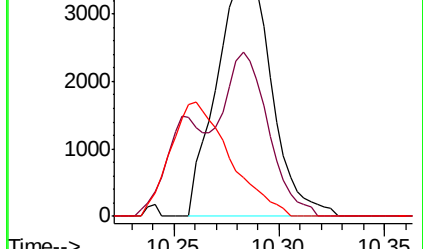
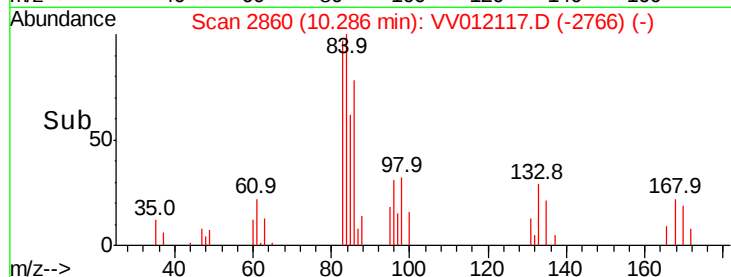


Abundance Ion 83.00 (82.70 to 83.70): VV012111.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV012111.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV012111.D (-2848) (-)

Time-->



#59

Bromoform

Concen: 2.275 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

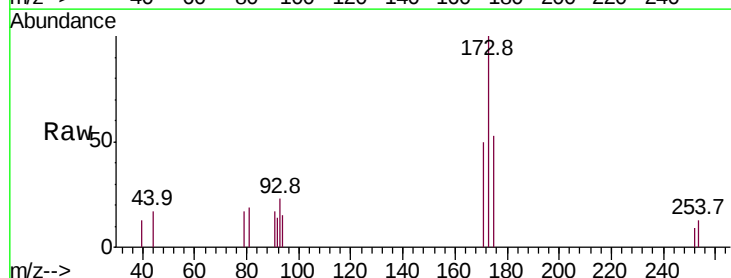
Tgt Ion: 173 Resp: 3322

Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 6.7 8.9 13.3#

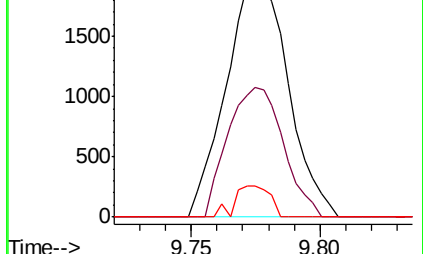
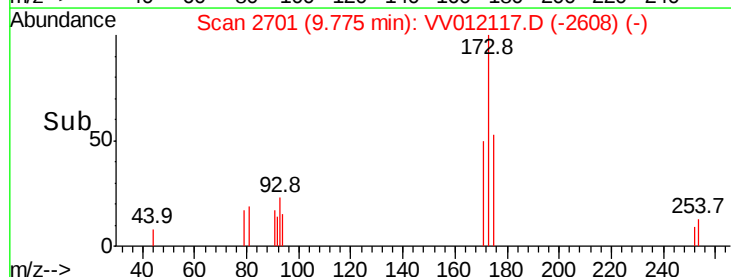


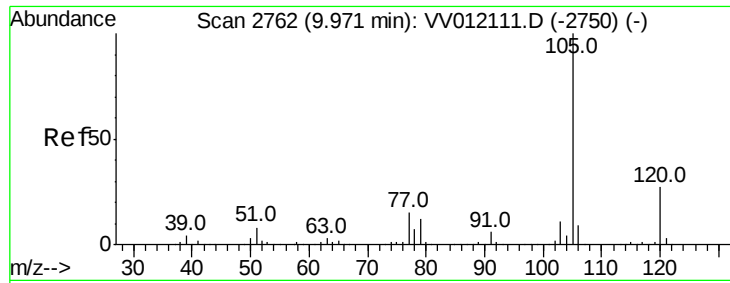
Abundance Ion 173.00 (172.70 to 173.70): VV012111.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV012111.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV012111.D (-2688) (-)

Time-->





#60

Isopropylbenzene

Concen: 2.313 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

ClientSampled :

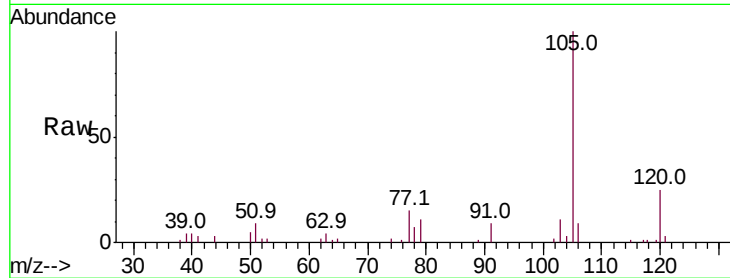
Tot Ion:105 Resp: 15759

Ion Ratio Lower Upper

105 100

120 25.0 21.4 32.0

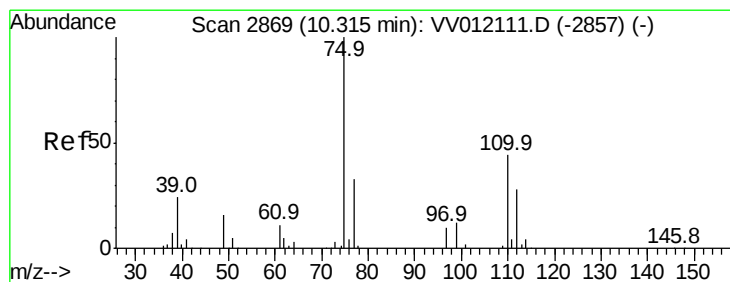
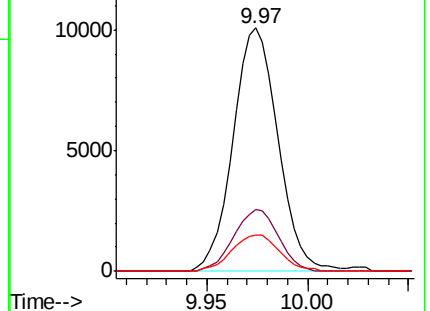
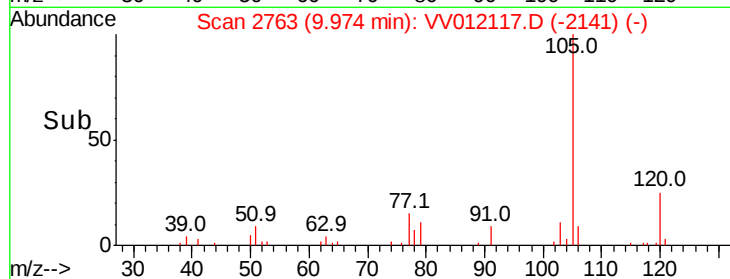
77 15.9 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.581 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

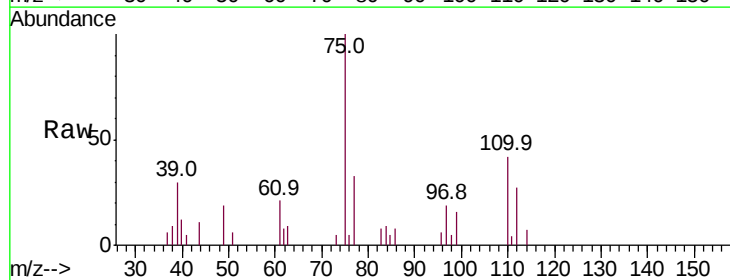
Tgt Ion: 75 Resp: 4362

Ion Ratio Lower Upper

75 100

77 30.2 25.7 38.5

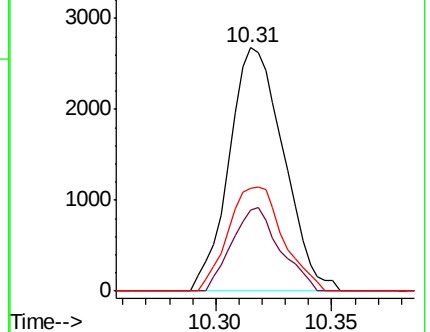
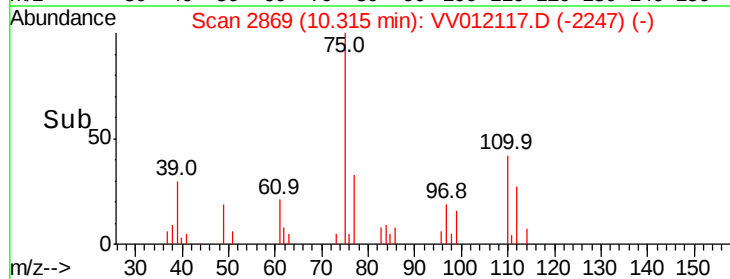
110 43.1 34.2 51.4

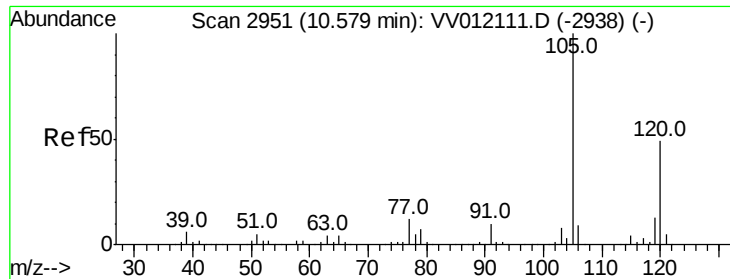


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

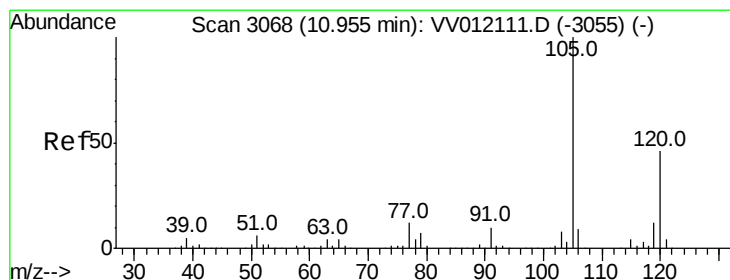
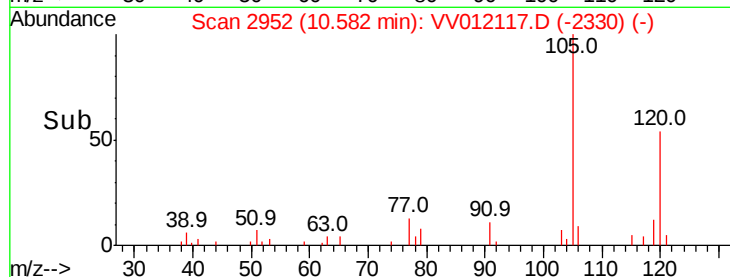
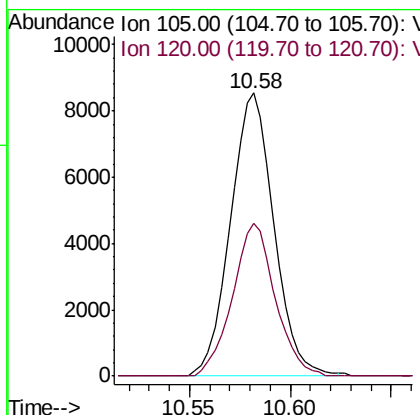
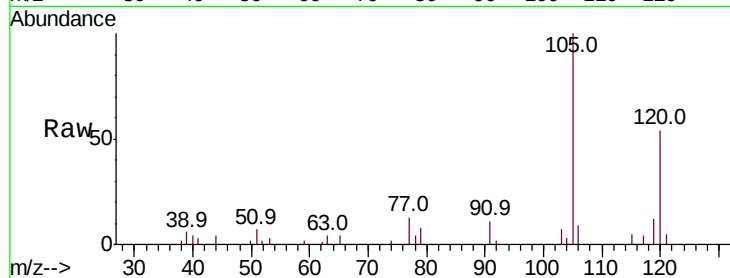




#62
 1,3,5-Trimethylbenzene
 Concen: 2.185 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

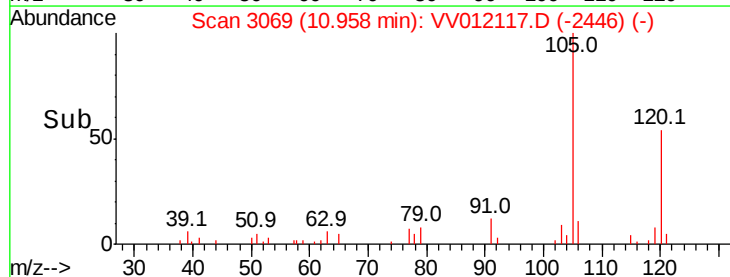
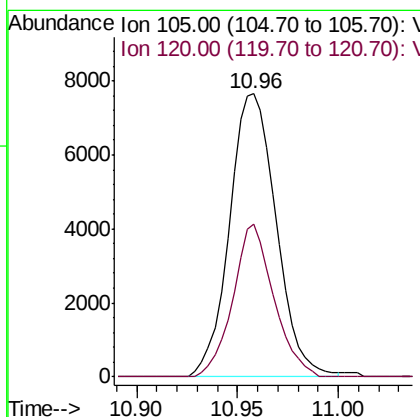
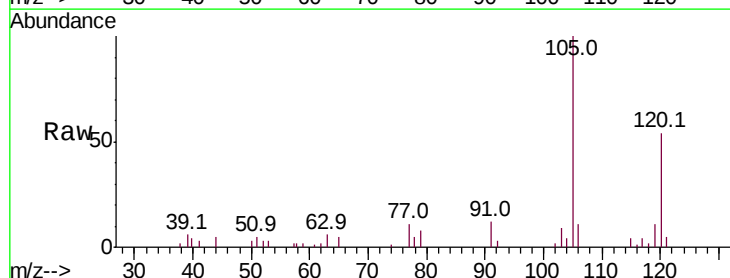
Instrument :
 MSVOA_V
 ClientSampleId :

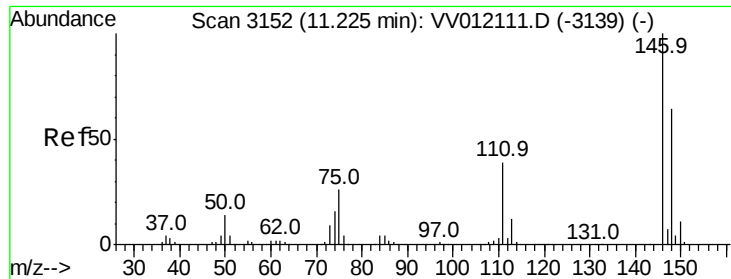
Tot Ion:105 Resp: 12872
 Ion Ratio Lower Upper
 105 100
 120 52.9 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 2.138 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Tgt Ion:105 Resp: 12427
 Ion Ratio Lower Upper
 105 100
 120 47.1 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 2.365 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

ClientSampleId :

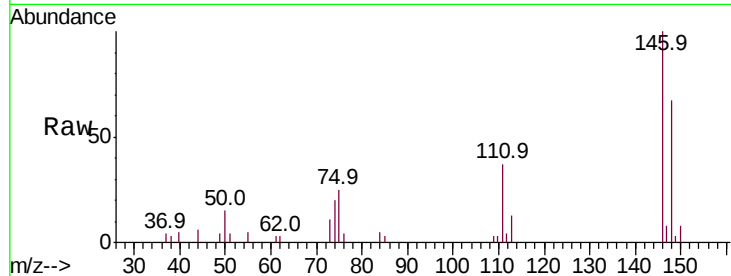
Tot Ion:146 Resp: 8132

Ion Ratio Lower Upper

146 100

111 37.2 26.8 49.8

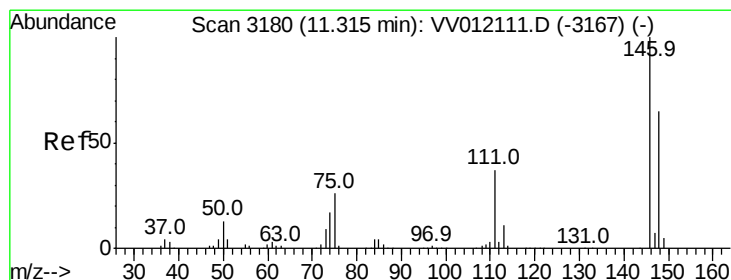
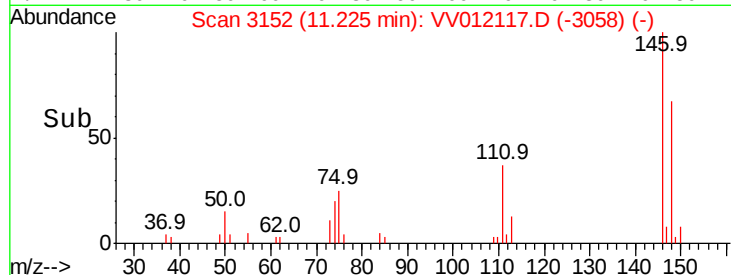
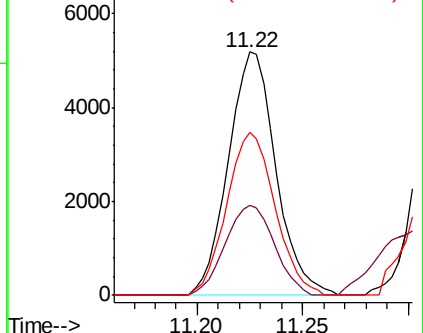
148 67.1 44.6 82.8



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

1,4-Dichlorobenzene

Concen: 2.533 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

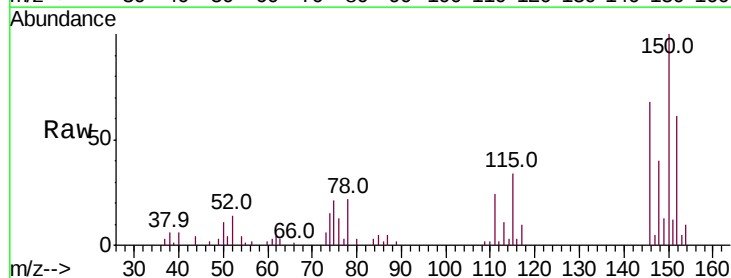
Tgt Ion:146 Resp: 8803

Ion Ratio Lower Upper

146 100

111 34.9 25.8 47.8

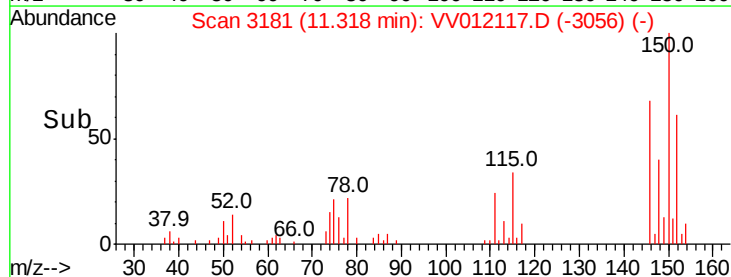
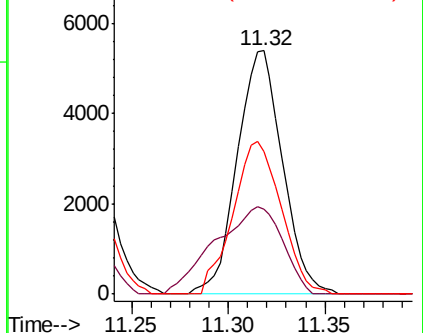
148 58.7 45.2 84.0

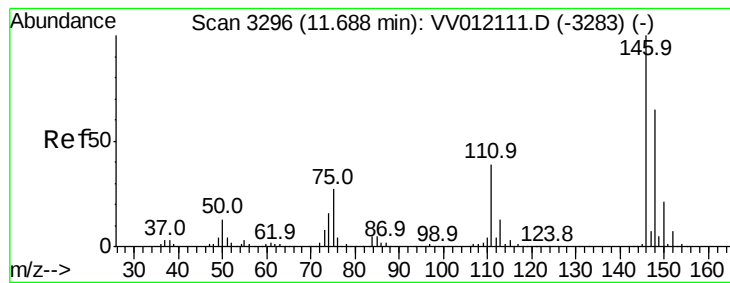


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.540 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

Instrument :

MSVOA_V

ClientSampled :

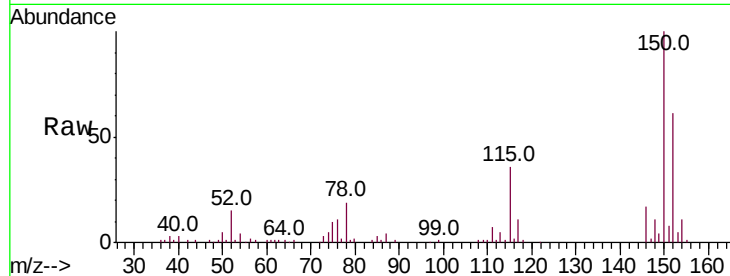
Tot Ion:146 Resp: 8910

Ion Ratio Lower Upper

146 100

111 43.1 32.2 48.2

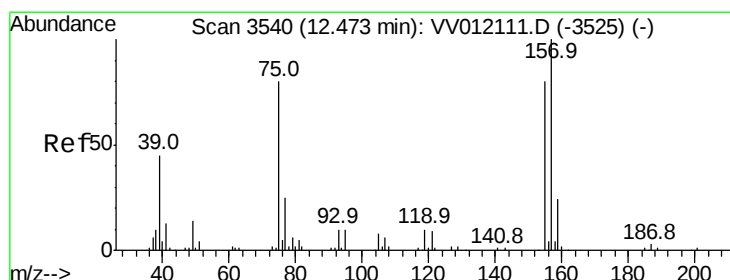
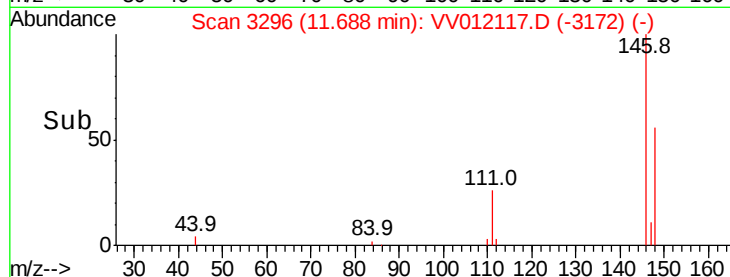
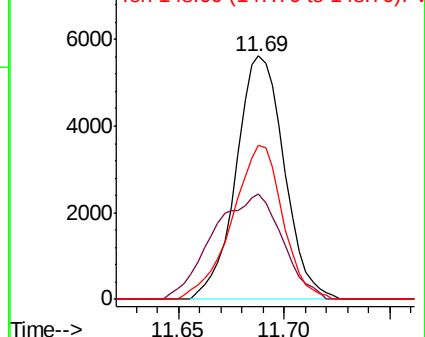
148 63.3 53.2 79.8



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



#68

1,2-Dibromo-3-chloropropane

Concen: 2.289 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012117.D

Acq: 06 Aug 2019 16:20

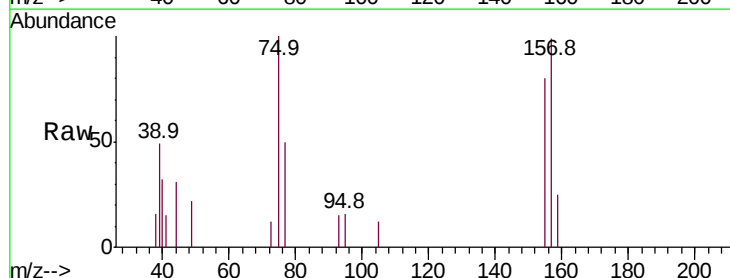
Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

75 100

155 79.5 81.2 121.8#

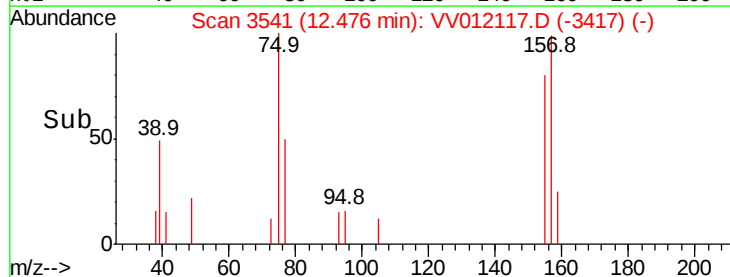
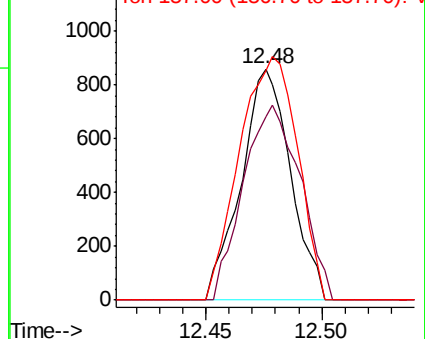
157 99.1 102.3 153.5#

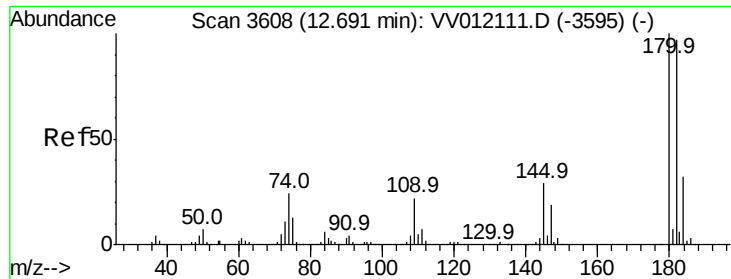


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

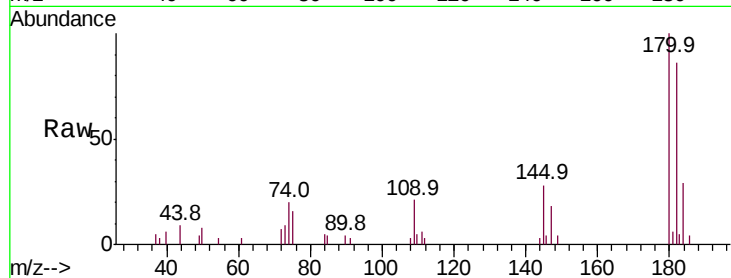




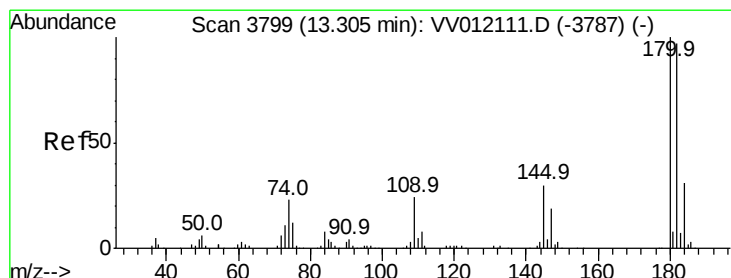
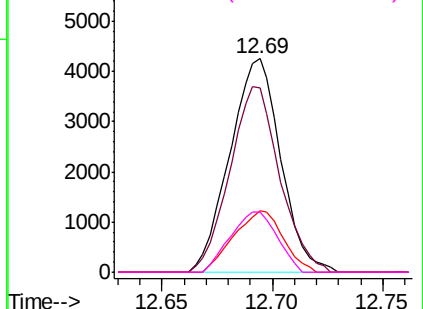
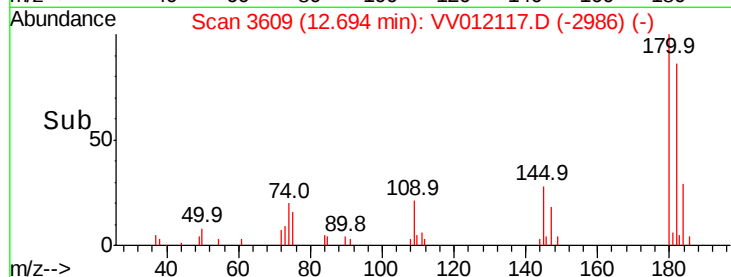
#69
 1,3,5-Trichlorobenzene
 Concen: 2.439 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6797
 Ion Ratio Lower Upper
 180 100
 182 85.4 76.5 114.7
 184 27.8 24.6 36.8
 145 26.1 22.5 33.7

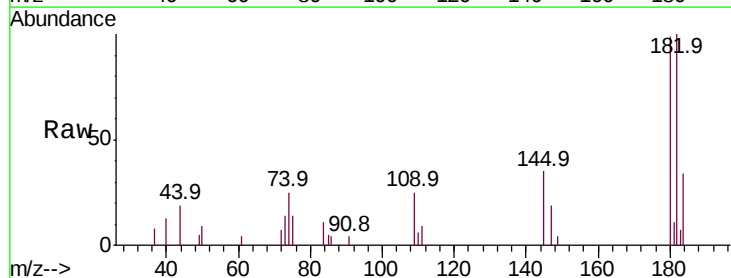


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

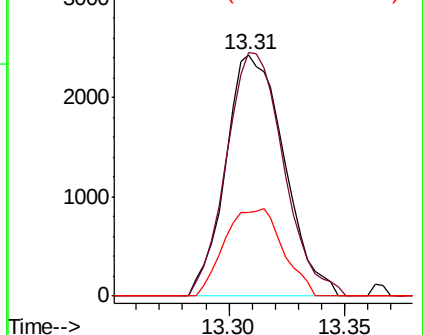
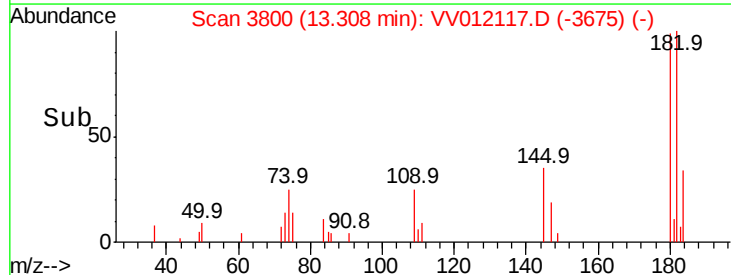


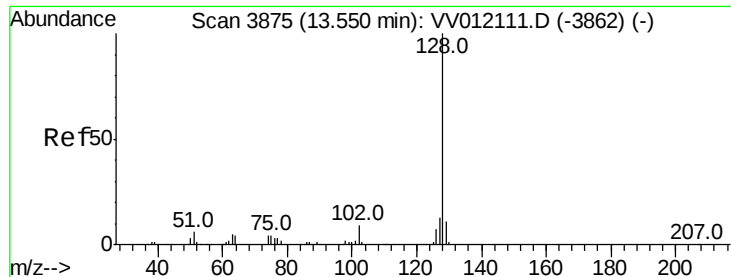
#70
 1,2,4-trichlorobenzene
 Concen: 1.763 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012117.D
 Acq: 06 Aug 2019 16:20

Tgt Ion:180 Resp: 4260
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.5 114.7
 145 0.0 23.3 34.9#



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

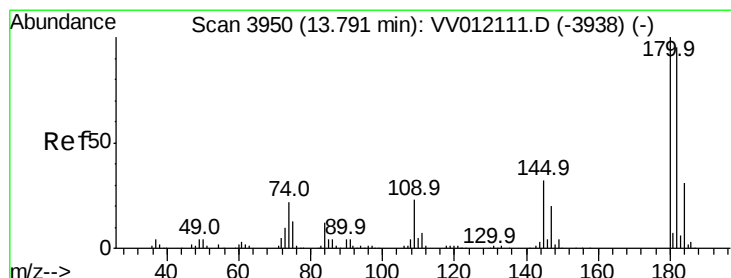
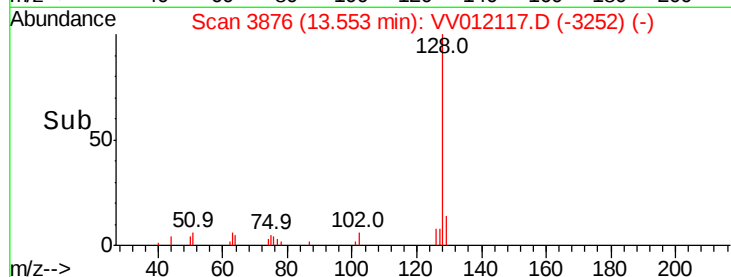
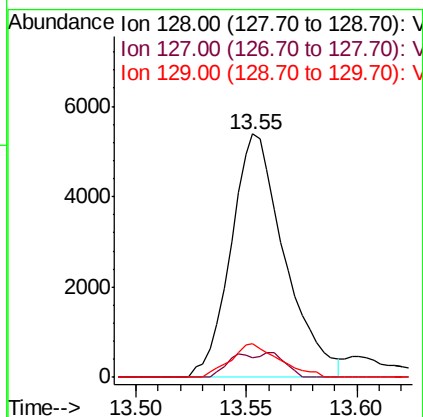
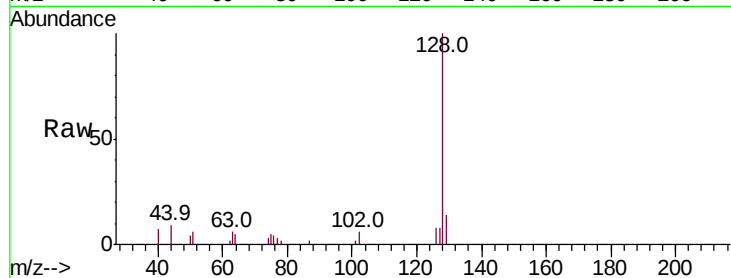




#71
Naphthalene
Concen: 1.483 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 9080
Ion Ratio Lower Upper
128 100
127 4.8 10.6 15.8#
129 12.6 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.758 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012117.D
Acq: 06 Aug 2019 16:20

Tgt Ion:180 Resp: 4276
Ion Ratio Lower Upper
180 100
182 96.6 77.2 115.8
145 33.9 24.6 36.8

