

Data File : VV013012.D
Acq On : 30 Sep 2019 11:31
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Sep 30 14:04:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 30 13:59:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	773920	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	762794	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	406049	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62692	5.66	ug/L	0.00
7) Chloroethane-d5	1.58	69	52160	5.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	105712	5.54	ug/L	0.00
21) 2-Butanone-d5	3.96	46	36812	11.60	ug/L	0.03
24) Chloroform-d	4.40	84	114528	5.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	64677	5.45	ug/L	0.00
32) Benzene-d6	5.10	84	233205	5.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	71299	5.41	ug/L	0.00
41) Toluene-d8	7.36	98	205691	5.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	27897	5.04	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	23963	8.62	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	62341	5.05	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	85177	5.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32853	3.962 ug/L	98
3) Chloromethane	1.25	50	47752	4.523 ug/L	98
5) Vinyl chloride	1.32	62	51940	4.775 ug/L	99
6) Bromomethane	1.54	94	33717	4.826 ug/L	98
8) Chloroethane	1.60	64	33726	4.906 ug/L	98
9) Trichlorofluoromethane	1.77	101	74531	5.059 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48086	5.092 ug/L	96
12) 1,1-Dichloroethene	2.14	96	43898	4.949 ug/L	97
13) Acetone	2.22	43	36679	8.902 ug/L	97
14) Carbon disulfide	2.32	76	133626	4.909 ug/L	99
15) Methyl Acetate	2.47	43	29207	4.593 ug/L	97
16) Methylene chloride	2.53	84	67911	5.358 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	52994	5.068 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	125115	4.757 ug/L	99
19) 1,1-Dichloroethane	3.23	63	97049	5.058 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	56669	4.873 ug/L	98
22) 2-Butanone	4.05	43	34196	9.588 ug/L	98
23) Bromochloromethane	4.30	128	28641	5.024 ug/L	94
25) Chloroform	4.42	83	101905	5.094 ug/L	96
27) 1,2-Dichloroethane	5.18	62	68927	5.012 ug/L	100
29) Cyclohexane	4.72	56	78065	4.649 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	77881	4.999 ug/L	97
31) Carbon tetrachloride	4.87	117	68236	4.865 ug/L	96
33) Benzene	5.14	78	220465	5.055 ug/L	100
34) Trichloroethene	5.96	95	60340	5.107 ug/L	98
35) Methylcyclohexane	6.17	83	88863	4.792 ug/L	97
37) 1,2-Dichloropropane	6.22	63	54225	4.846 ug/L	98
38) Bromodichloromethane	6.55	83	73365	5.023 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	78784	4.676 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	76545	8.559 ug/L	96

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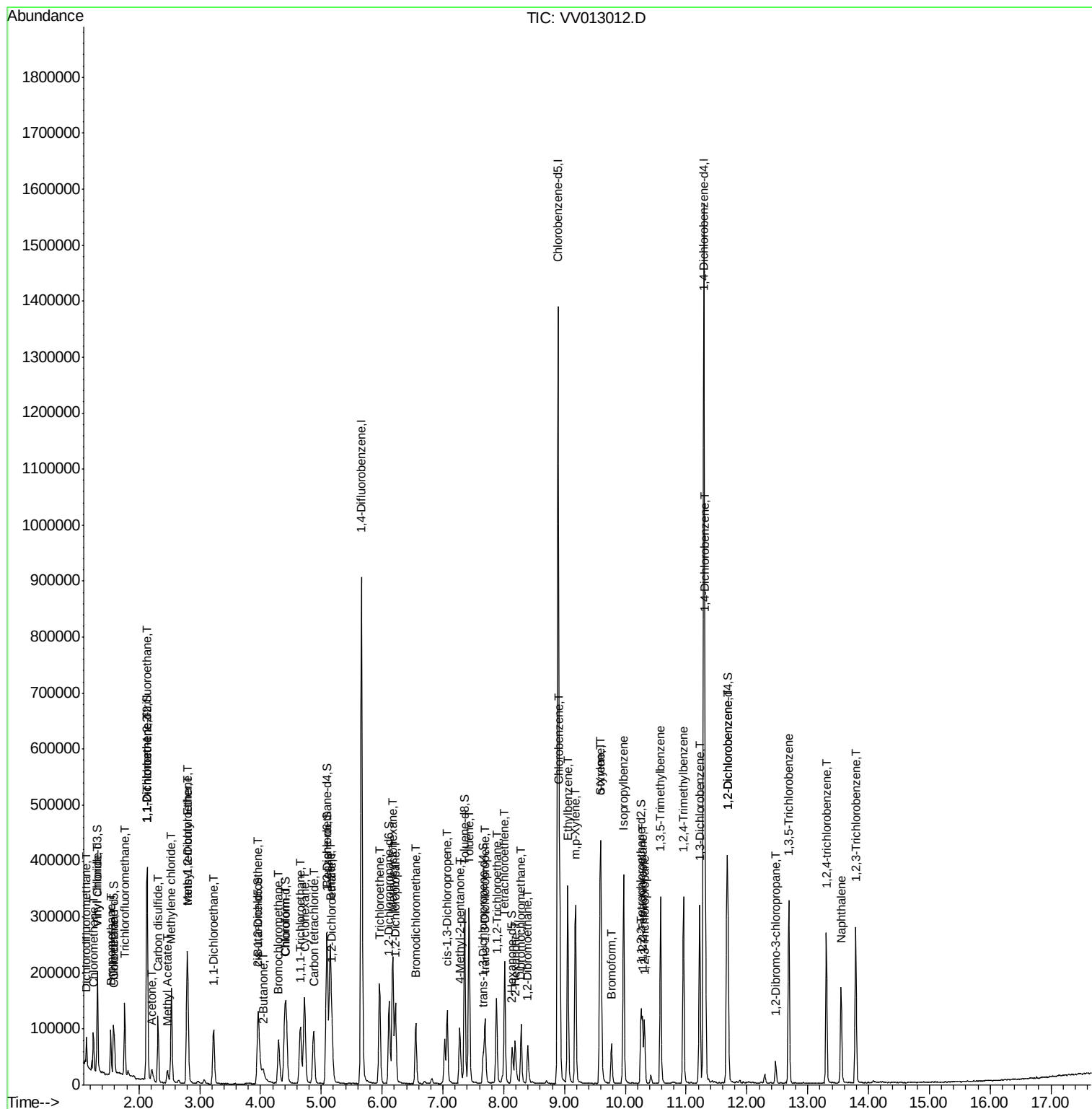
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	229104	4.939	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	62651	4.529	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	47048	4.956	ug/L	99
46) Tetrachloroethene	8.02	164	49828	5.097	ug/L	97
48) 2-Hexanone	8.19	43	50595	7.769	ug/L	98
49) Dibromochloromethane	8.29	129	50635	4.678	ug/L	99
50) 1,2-Dibromoethane	8.40	107	44410	4.742	ug/L	99
51) Chlorobenzene	8.92	112	157667	5.011	ug/L	99
52) Ethylbenzene	9.05	91	243680	4.782	ug/L	99
53) m,p-Xylene	9.18	106	91577	4.702	ug/L	100
54) o-Xylene	9.59	106	84954	4.559	ug/L	100
55) Styrene	9.60	104	153632	4.709	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	53834	4.651	ug/L	99
59) Bromoform	9.77	173	31638	4.549	ug/L	97
60) Isopropylbenzene	9.97	105	235522	4.813	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	43966	4.757	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	178407	4.525	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	180632	4.562	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	129693	5.049	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	136302	5.053	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	122990	5.015	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	8666	4.323	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	104011	5.030	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	84410	4.721	ug/L	99
71) Naphthalene	13.55	128	139816	4.014	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	82458	4.781	ug/L	100

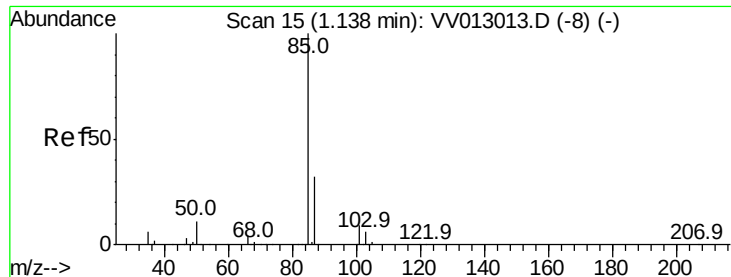
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.962 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

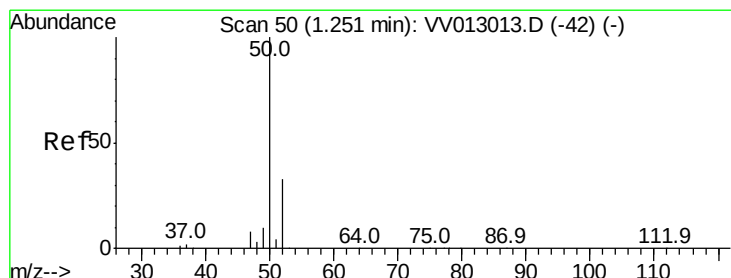
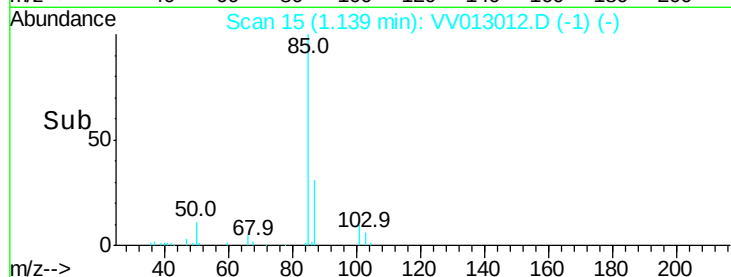
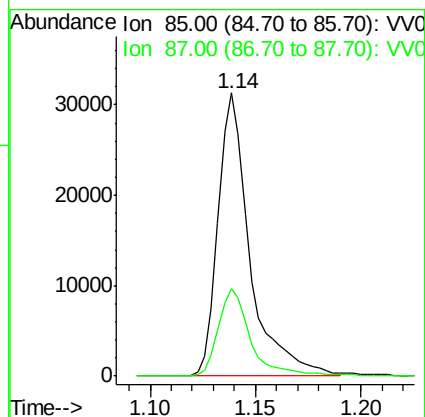
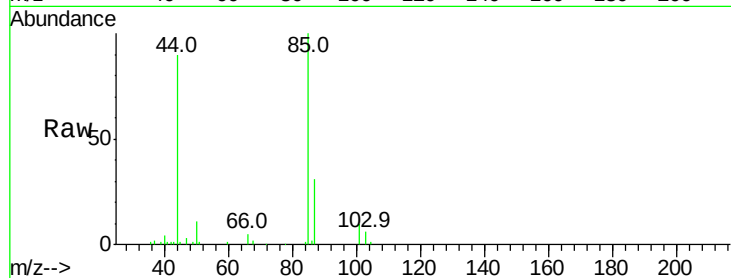
VSTD00563

Tgt Ion: 85 Resp: 32853

Ion Ratio Lower Upper

85 100

87 31.1 25.7 38.5



#3

Chloromethane

Concen: 4.523 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013012.D

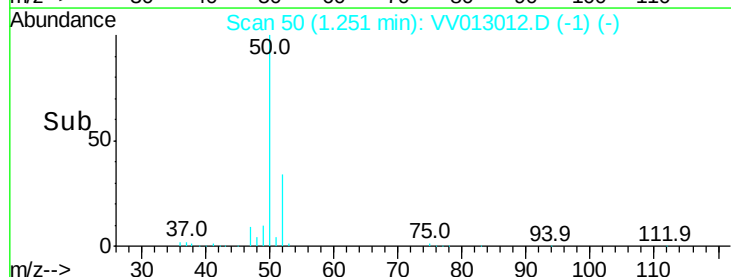
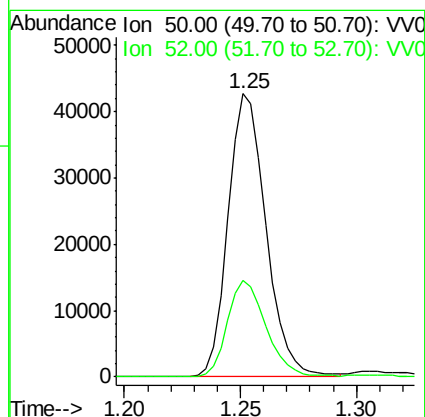
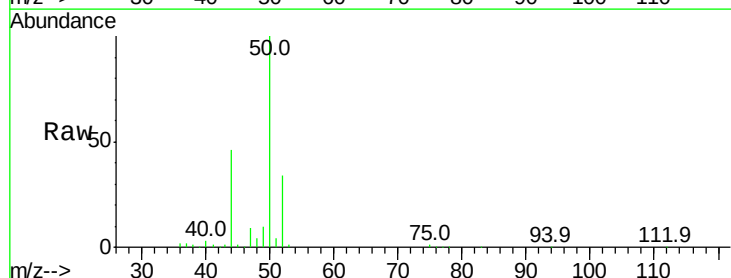
Acq: 30 Sep 2019 11:31

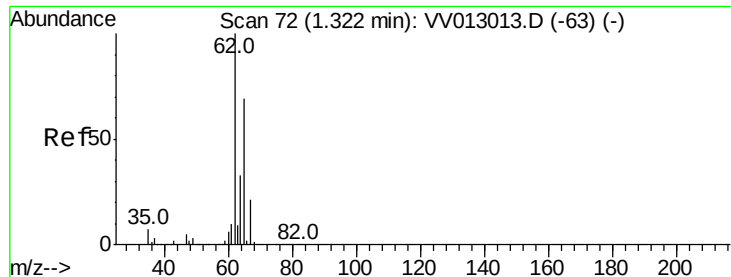
Tgt Ion: 50 Resp: 47752

Ion Ratio Lower Upper

50 100

52 34.3 23.1 42.9





#5

Vinyl chloride

Concen: 4.775 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

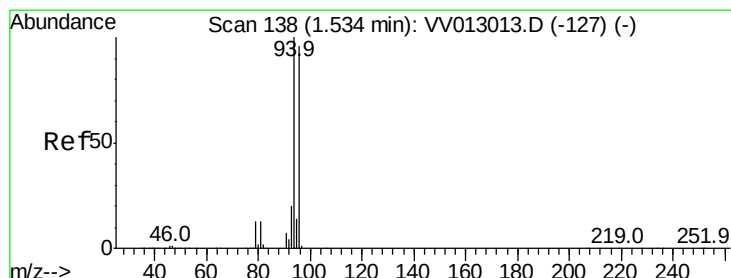
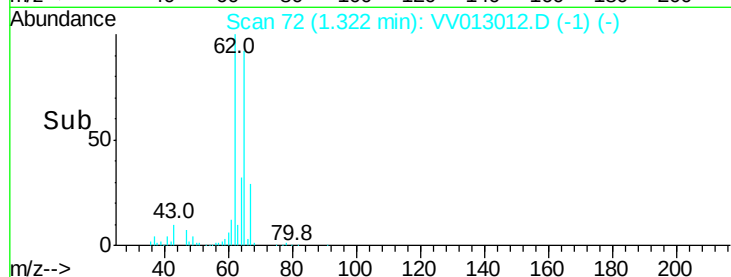
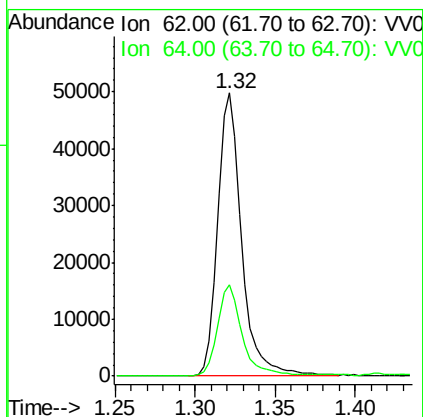
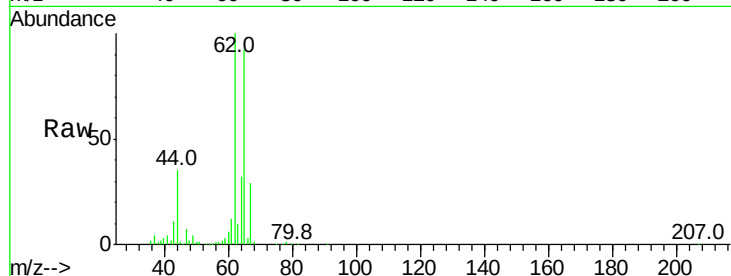
VSTD00563

Tgt Ion: 62 Resp: 51940

Ion Ratio Lower Upper

62 100

64 32.2 23.1 42.9



#6

Bromomethane

Concen: 4.826 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013012.D

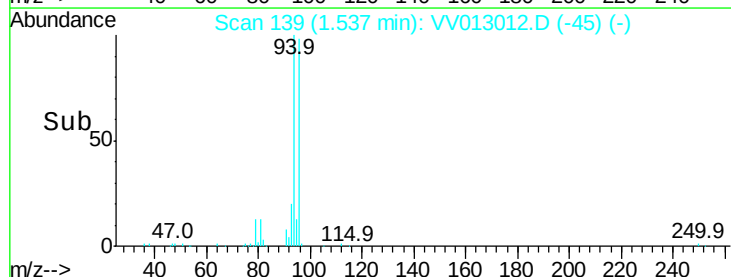
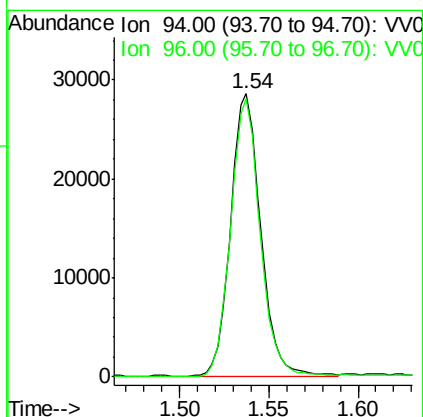
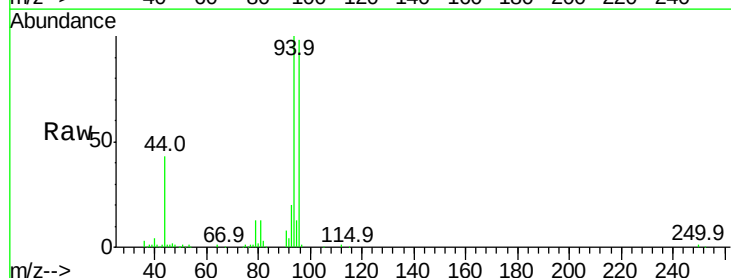
Acq: 30 Sep 2019 11:31

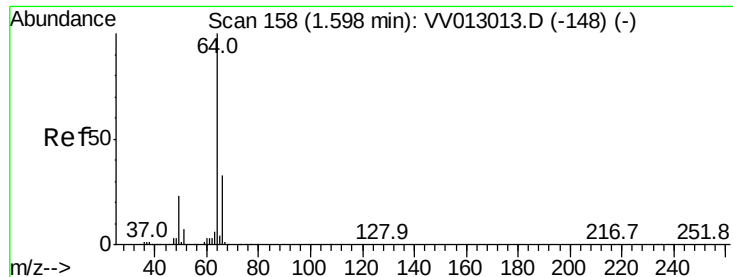
Tgt Ion: 94 Resp: 33717

Ion Ratio Lower Upper

94 100

96 98.5 67.4 125.2

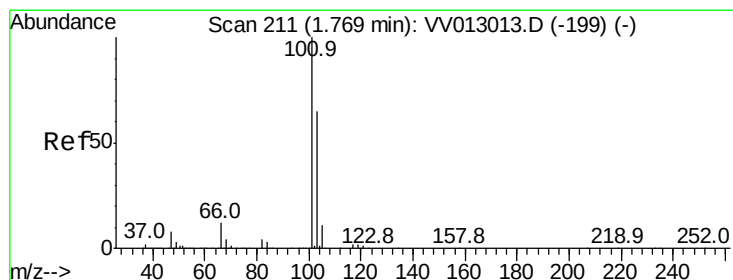
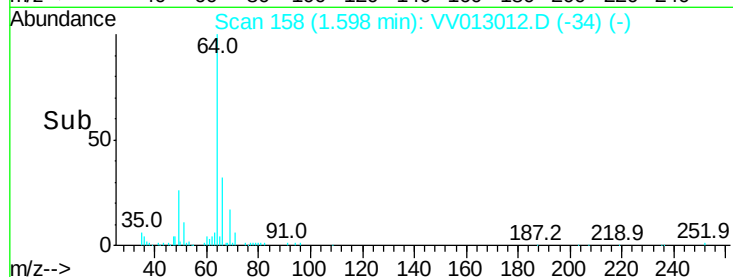
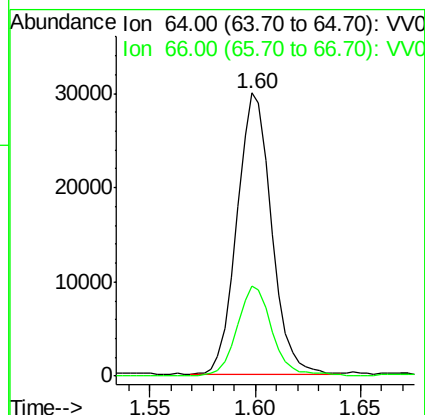
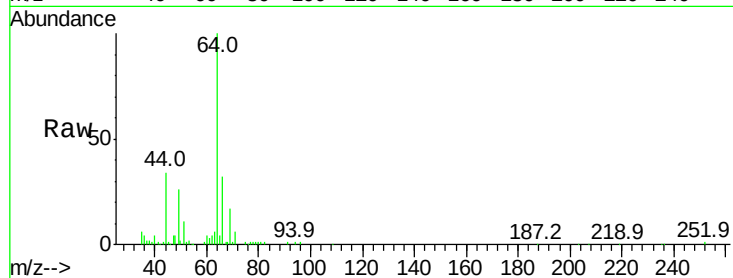




#8
Chloroethane
Concen: 4.906 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

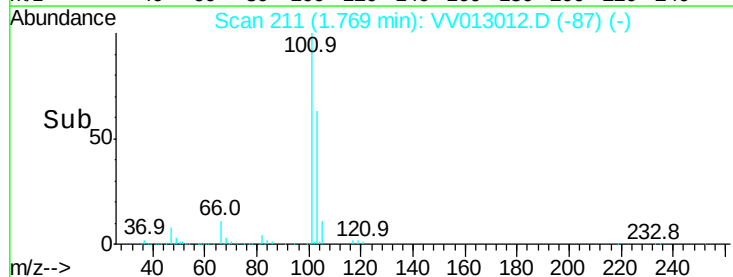
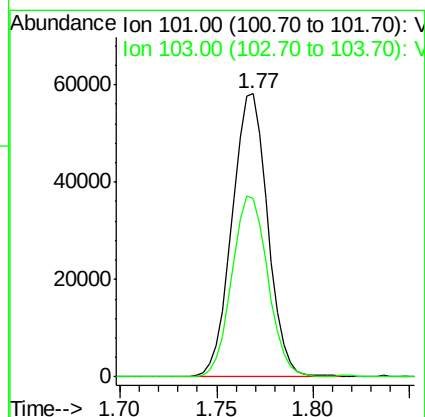
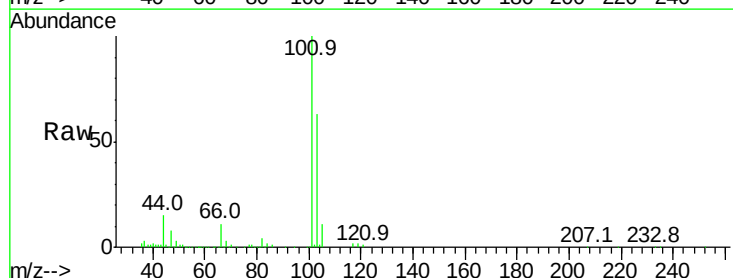
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

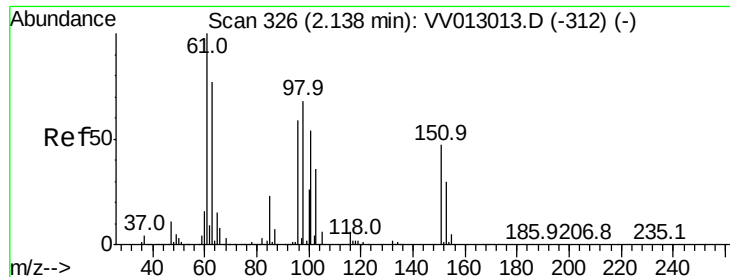
Tgt Ion: 64 Resp: 33726
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.059 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion: 101 Resp: 74531
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2





#10

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

Concen: 5.092 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

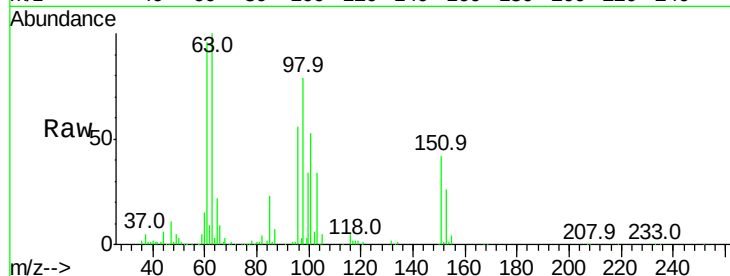
Tgt Ion: 101 Resp: 48086

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

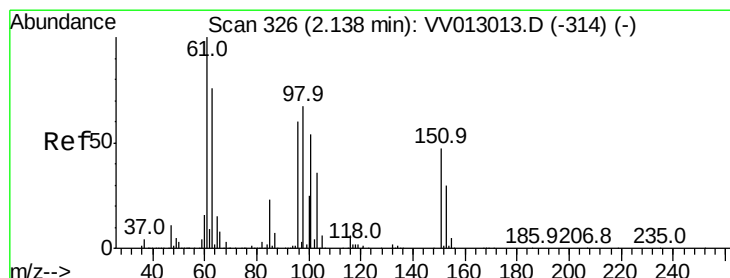
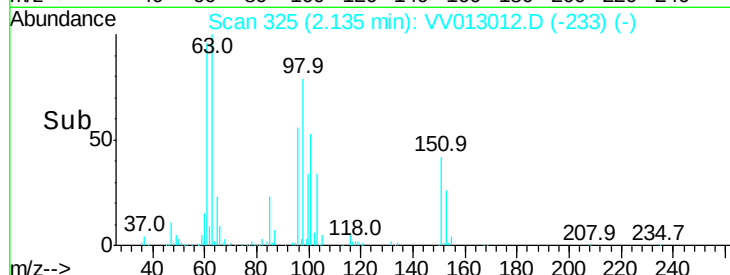
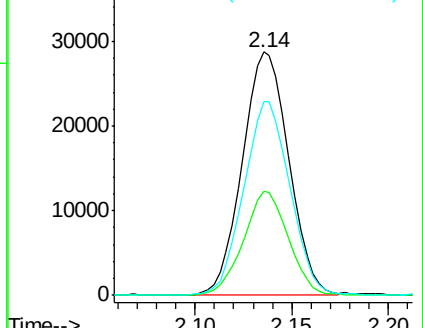
151 79.3 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): VV013012.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013012.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013012.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.949 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

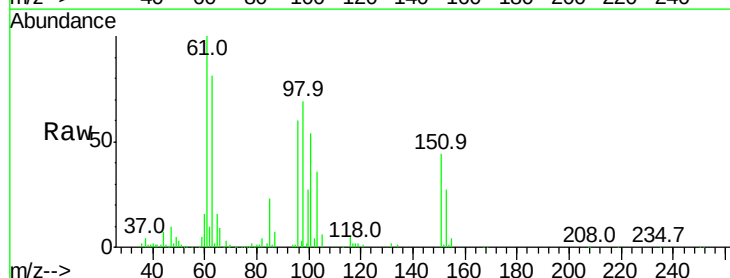
Tgt Ion: 96 Resp: 43898

Ion Ratio Lower Upper

96 100

61 167.4 117.7 218.7

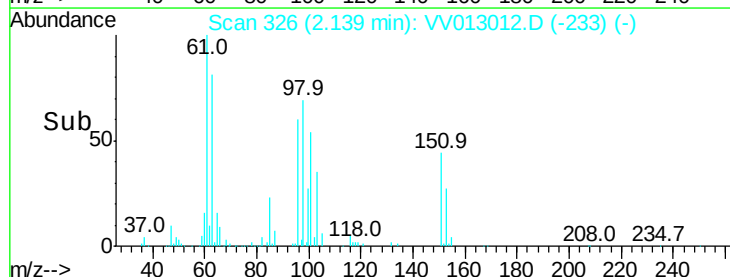
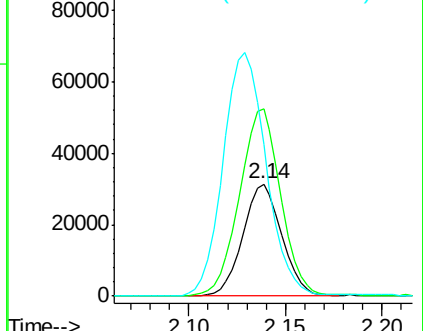
63 135.6 90.4 168.0

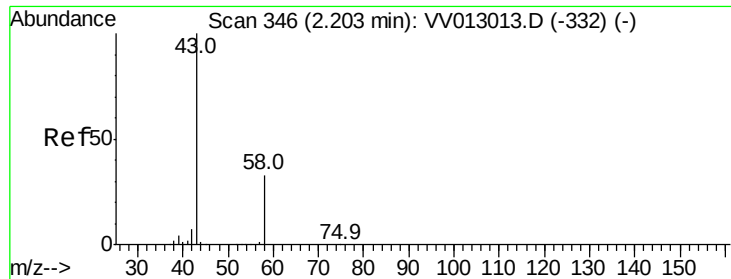


Abundance Ion 96.00 (95.70 to 96.70): VV013012.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV013012.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV013012.D (-314) (-)





#13

Acetone

Concen: 8.902 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

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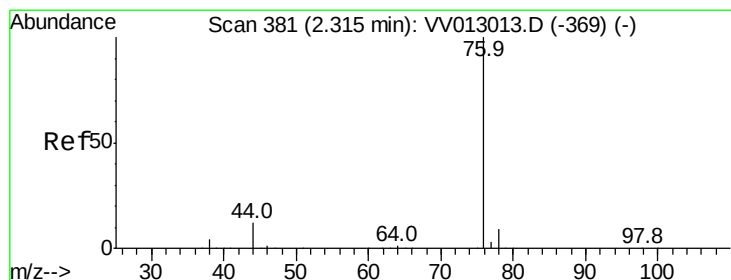
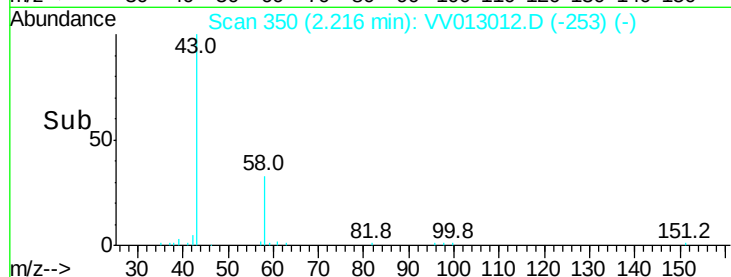
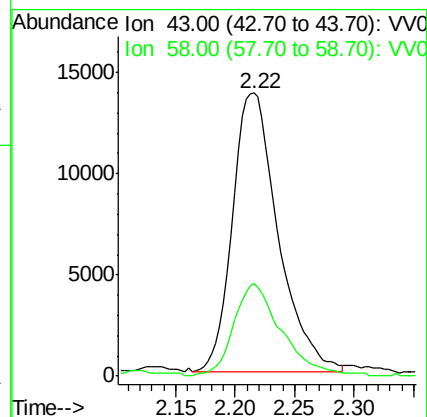
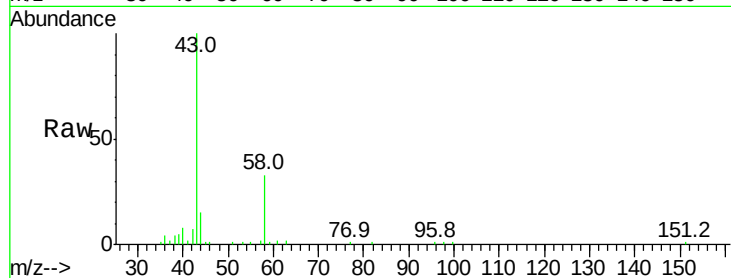
VSTD00563

Tgt Ion: 43 Resp: 36679

Ion Ratio Lower Upper

43 100

58 34.5 0.0 65.2



#14

Carbon disulfide

Concen: 4.909 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013012.D

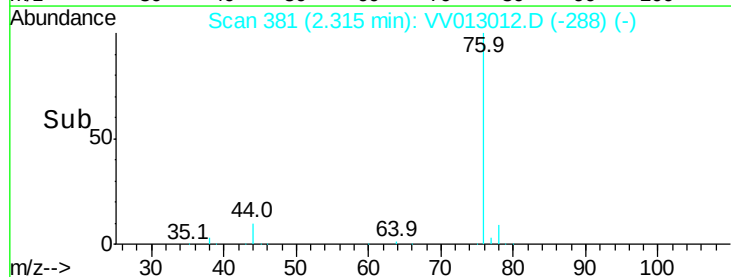
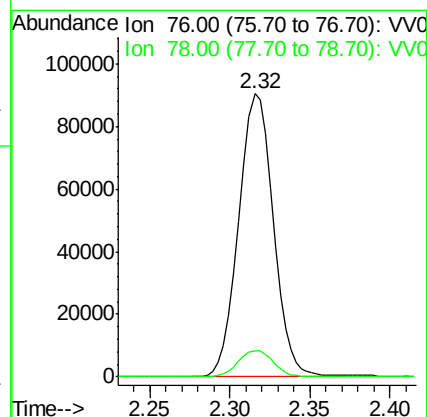
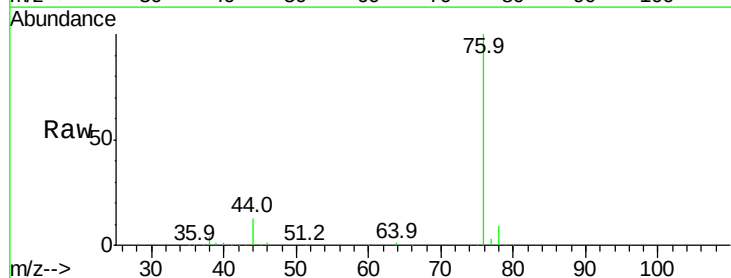
Acq: 30 Sep 2019 11:31

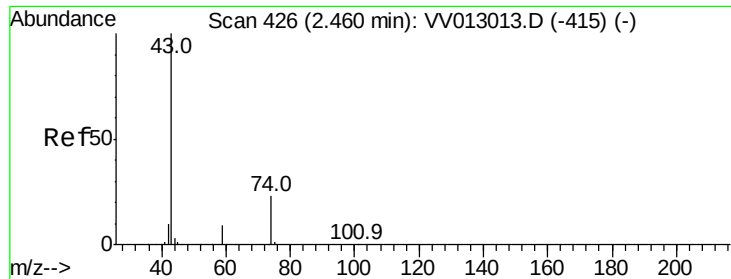
Tgt Ion: 76 Resp: 133626

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

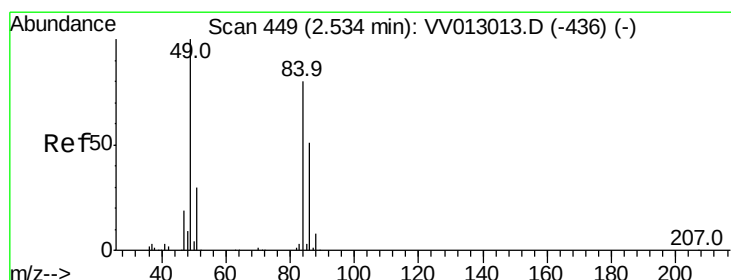
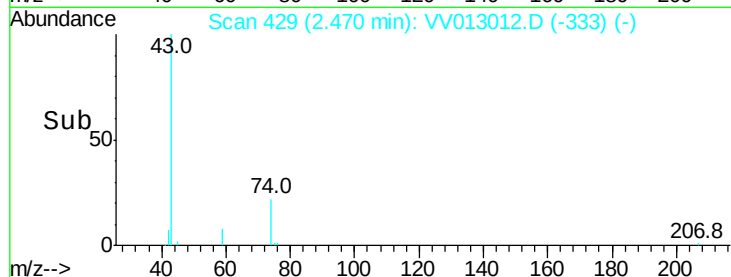
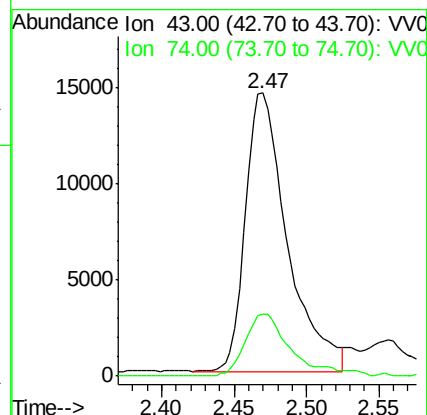
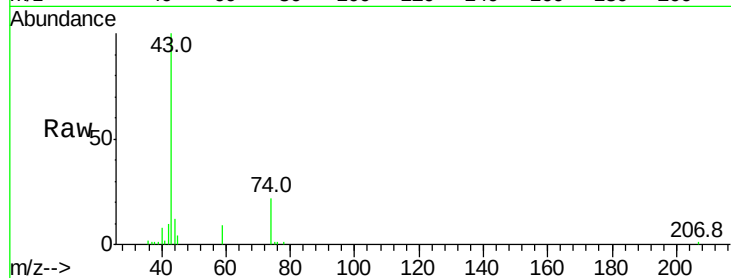




#15
Methyl Acetate
Concen: 4.593 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

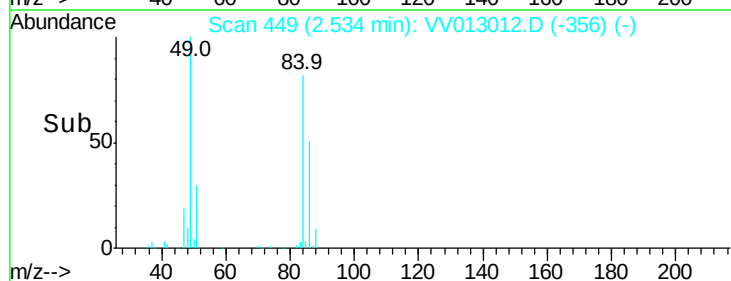
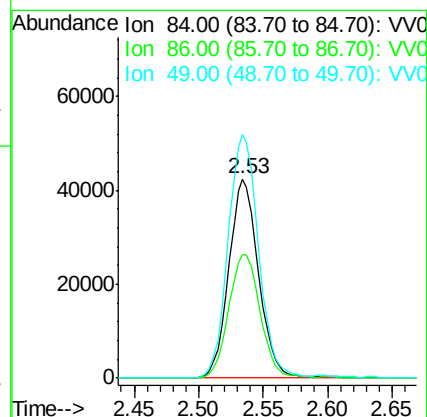
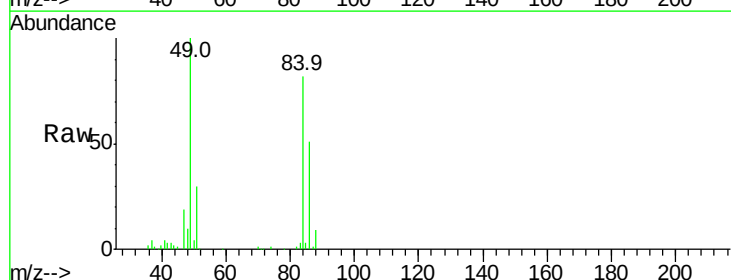
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

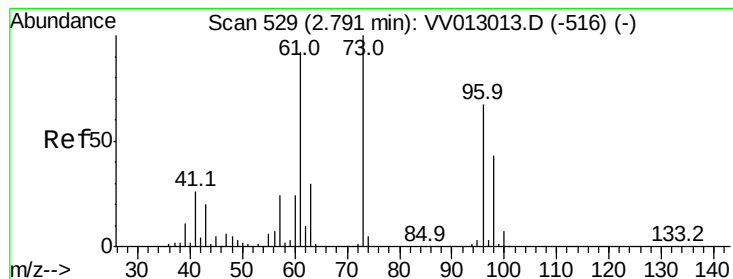
Tgt Ion: 43 Resp: 29207
Ion Ratio Lower Upper
43 100
74 21.9 18.5 27.7



#16
Methylene chloride
Concen: 5.358 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion: 84 Resp: 67911
Ion Ratio Lower Upper
84 100
86 62.1 44.5 82.7
49 122.1 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 5.068 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

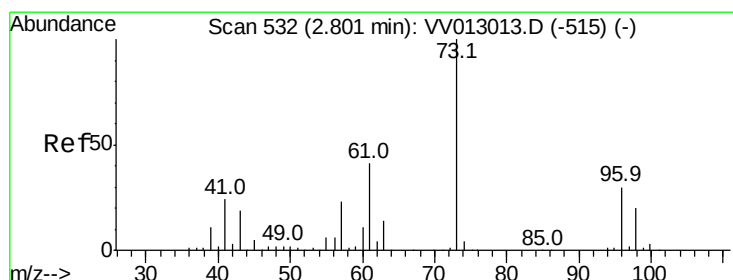
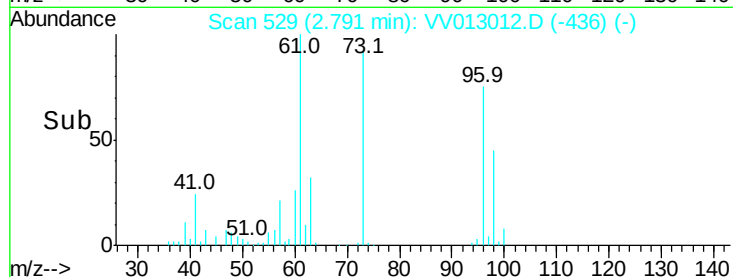
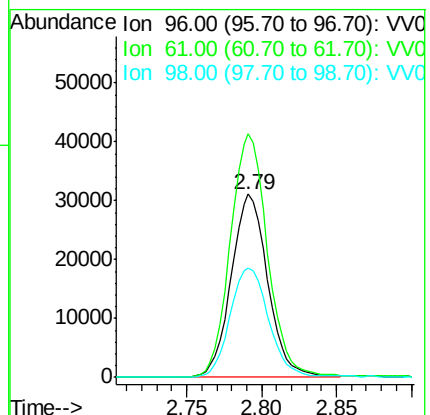
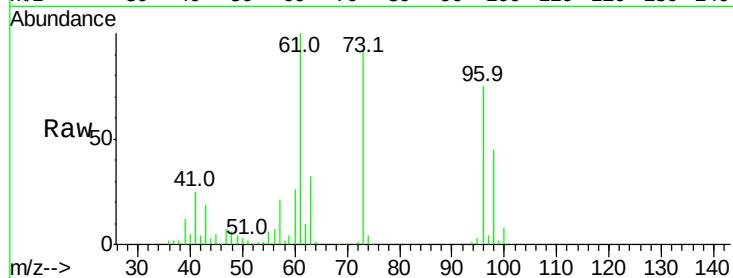
Tgt Ion: 96 Resp: 52994

Ion Ratio Lower Upper

96 100

61 132.9 95.8 177.8

98 59.6 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 4.757 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

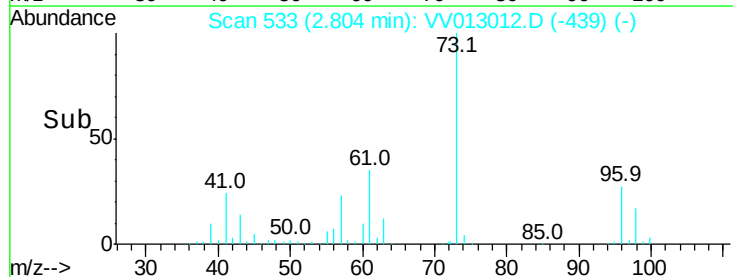
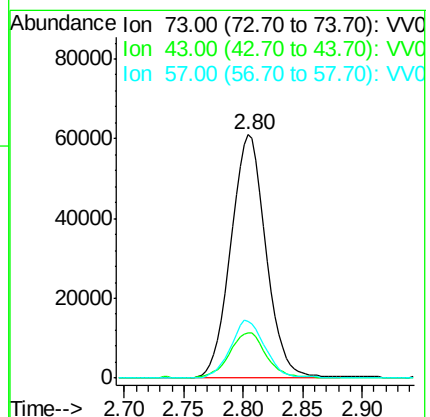
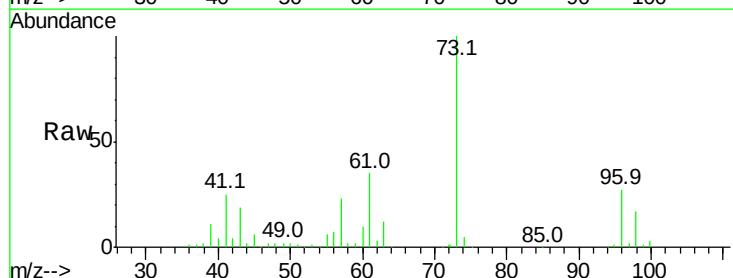
Tgt Ion: 73 Resp: 125115

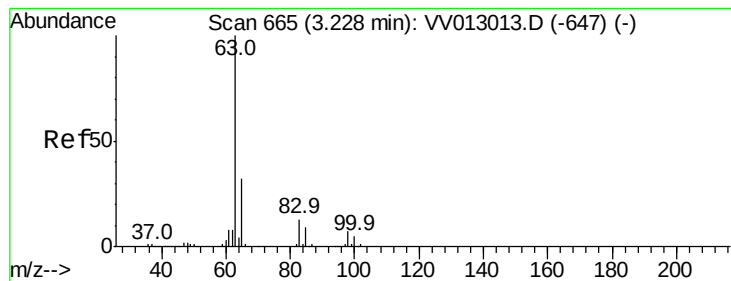
Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

57 23.3 18.1 27.1





#19

1,1-Dichloroethane

Concen: 5.058 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

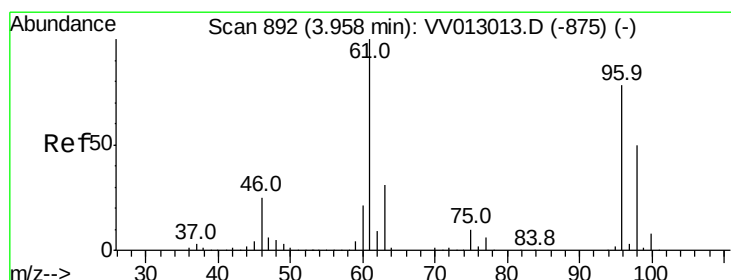
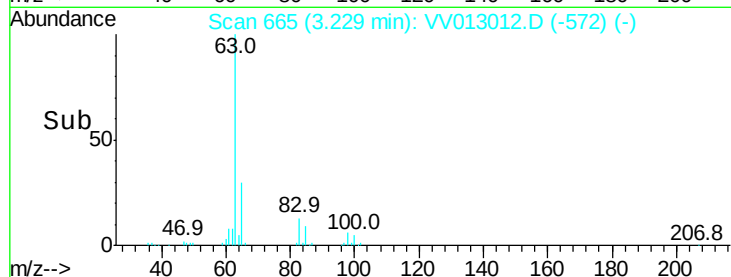
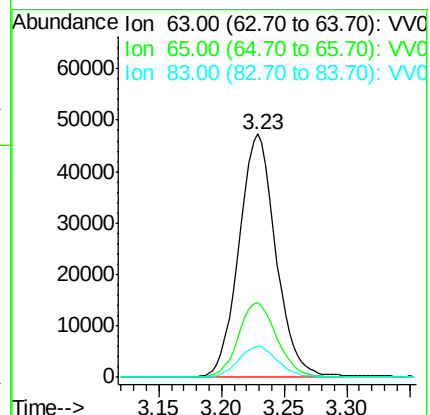
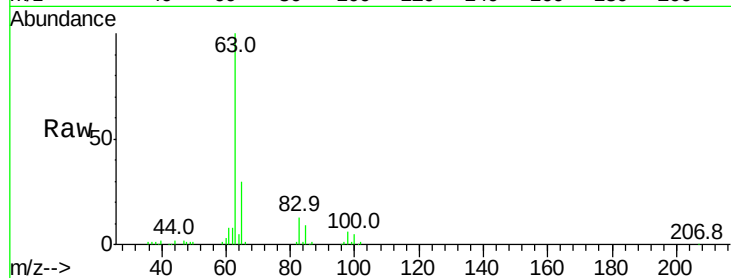
Tgt Ion: 63 Resp: 97049

Ion Ratio Lower Upper

63 100

65 30.4 22.4 41.6

83 12.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 4.873 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

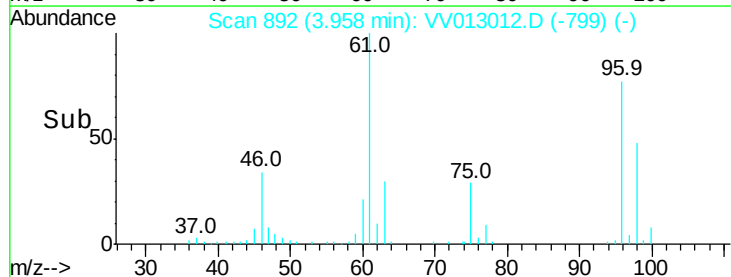
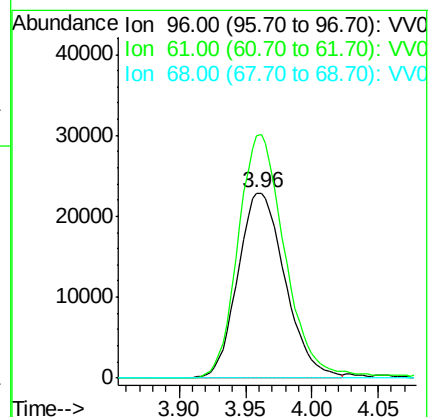
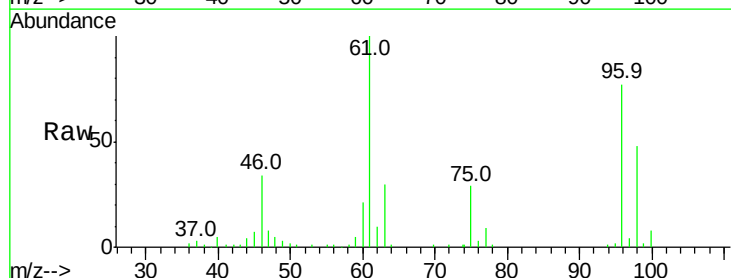
Tgt Ion: 96 Resp: 56669

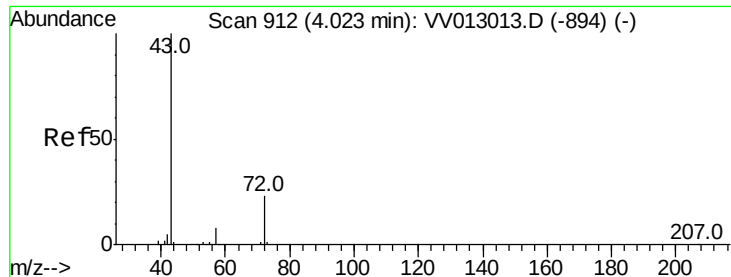
Ion Ratio Lower Upper

96 100

61 130.5 89.5 166.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.588 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.02 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

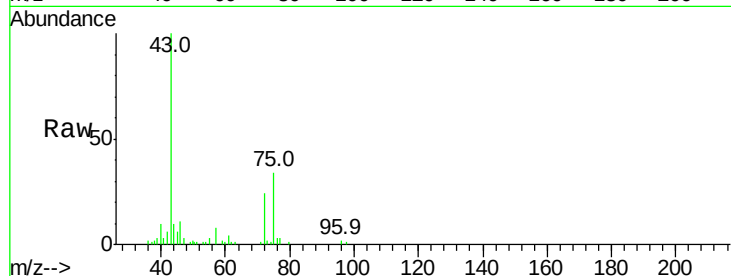
VSTD00563

Tgt Ion: 43 Resp: 34196

Ion Ratio Lower Upper

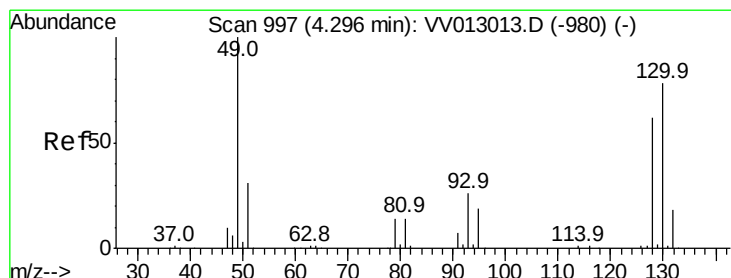
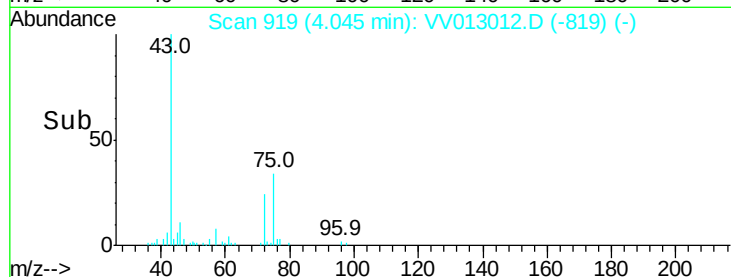
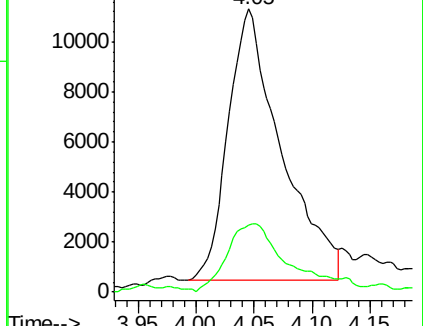
43 100

72 25.1 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VV013013.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV013013.D (-894) (-)



#23

Bromochloromethane

Concen: 5.024 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Tgt Ion: 128 Resp: 28641

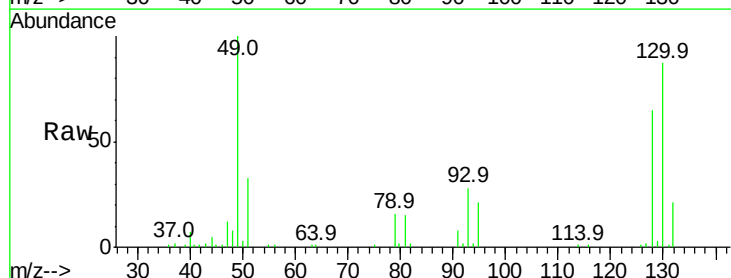
Ion Ratio Lower Upper

128 100

49 153.4 113.6 211.0

130 132.7 88.0 163.4

51 51.4 40.2 60.2

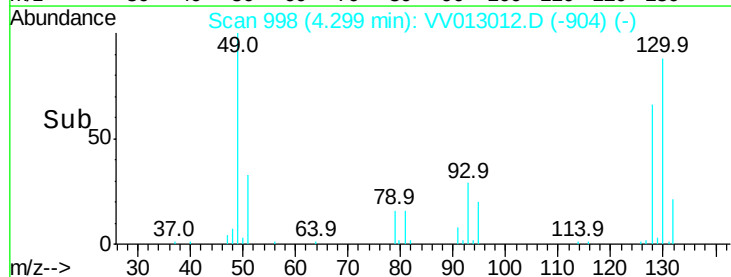
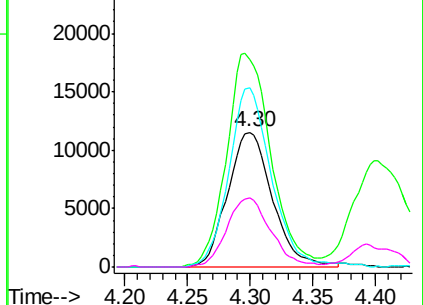


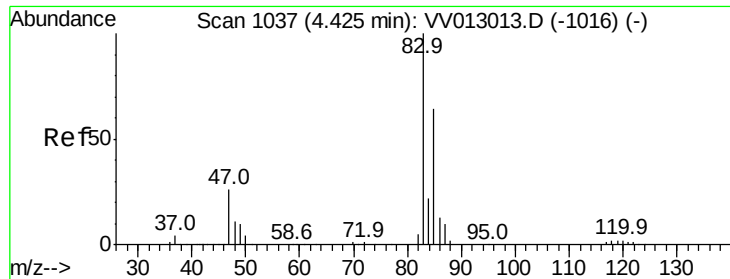
Abundance Ion 128.00 (127.70 to 128.70): VV013013.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV013013.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV013013.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV013013.D (-980) (-)

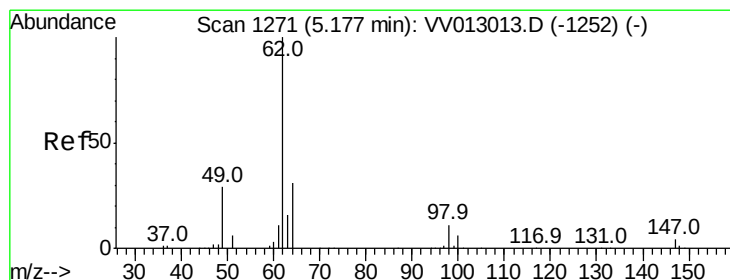
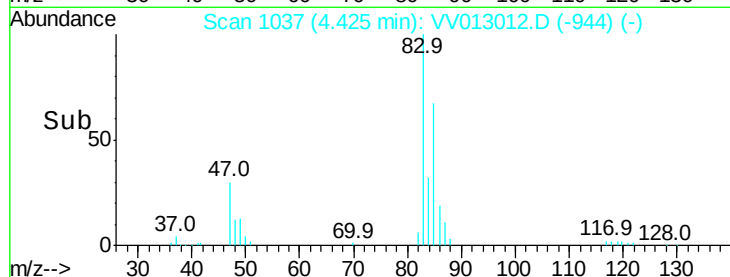
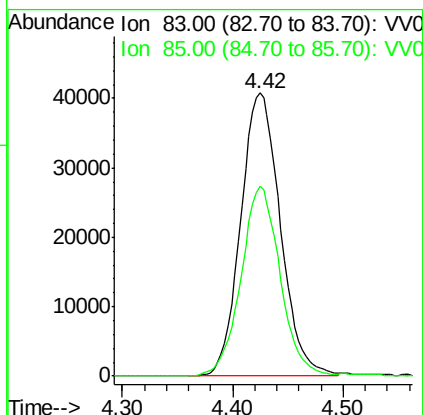
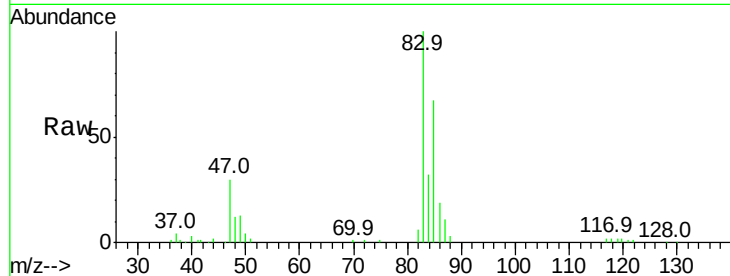




#25
Chloroform
Concen: 5.094 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

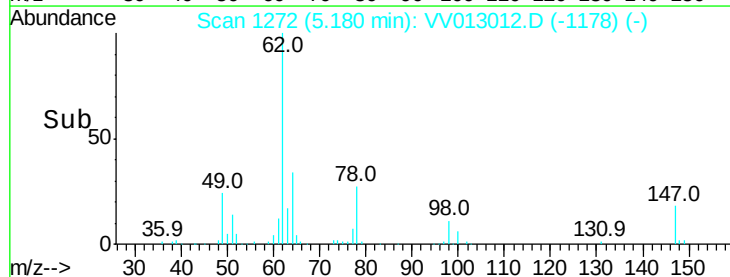
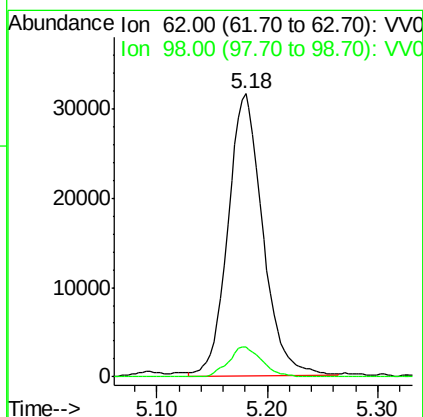
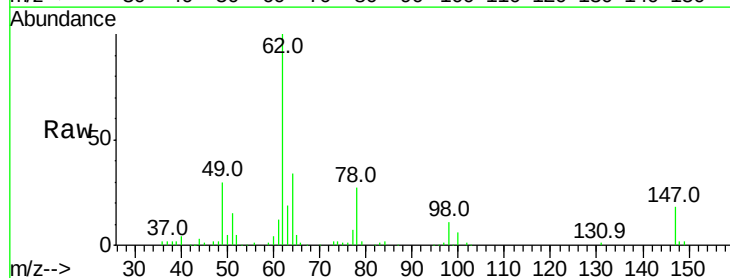
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

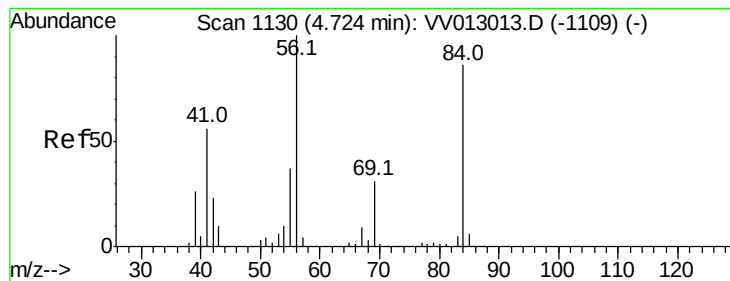
Tgt Ion: 83 Resp: 101905
Ion Ratio Lower Upper
83 100
85 66.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.012 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion: 62 Resp: 68927
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7





#29

Cyclohexane

Concen: 4.649 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

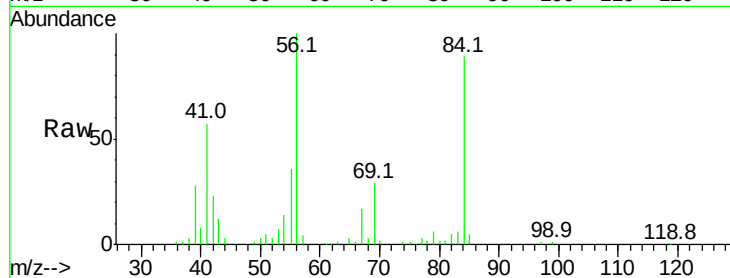
Tgt Ion: 56 Resp: 78065

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

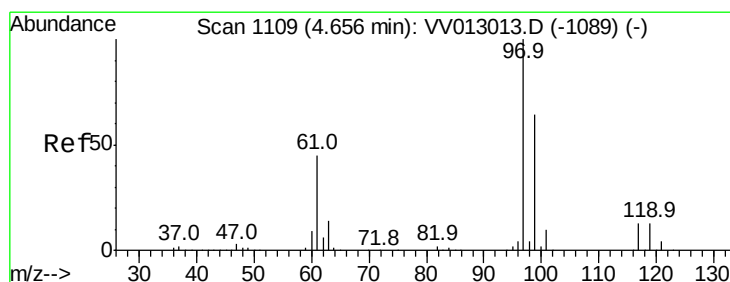
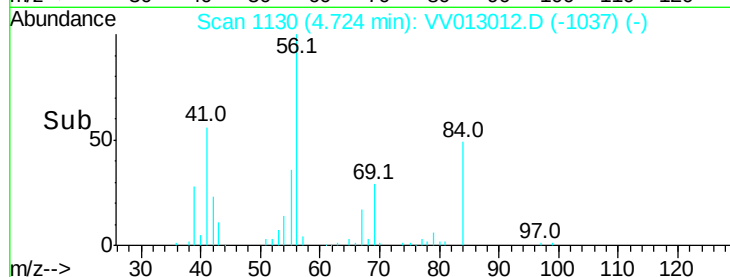
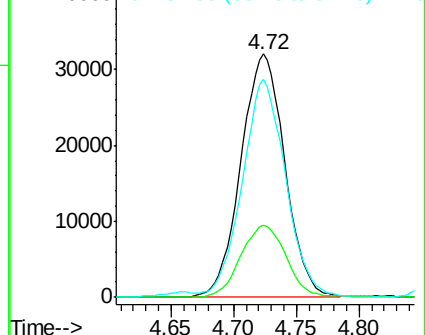
84 86.4 69.6 104.4



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 4.999 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

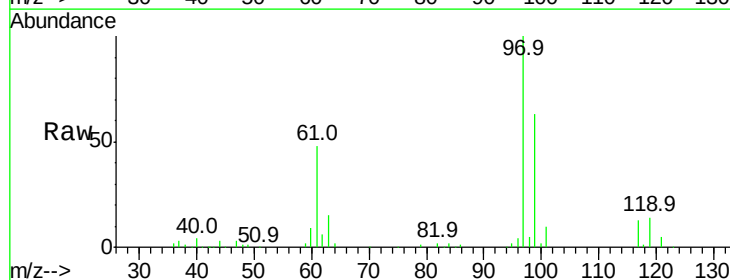
Tgt Ion: 97 Resp: 77881

Ion Ratio Lower Upper

97 100

99 66.6 51.7 77.5

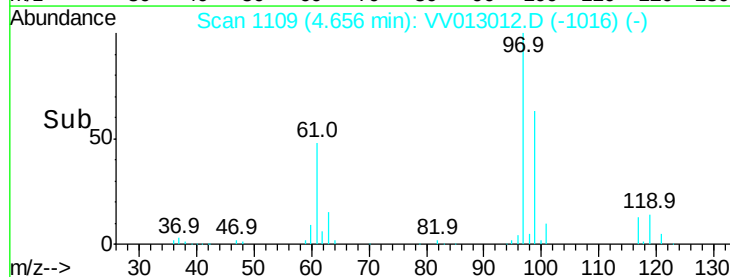
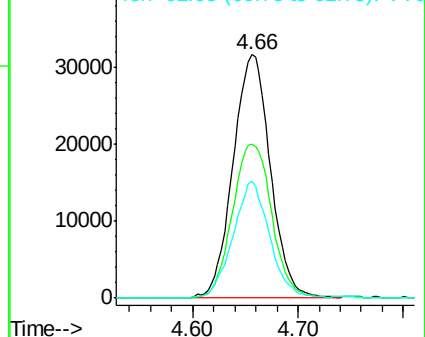
61 47.0 36.1 54.1

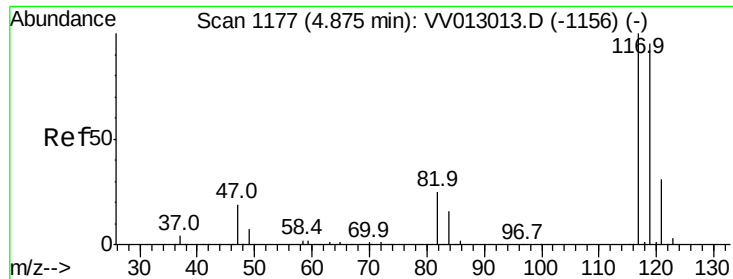


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 4.865 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

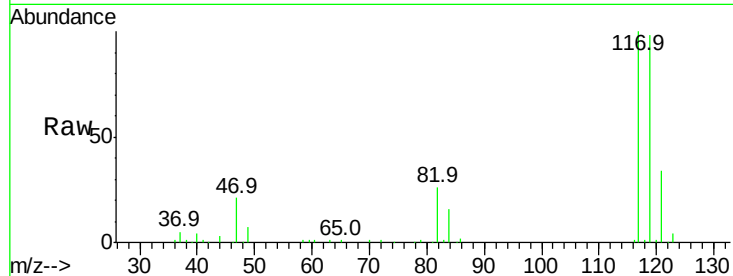
VSTD00563

Tgt Ion:117 Resp: 68236

Ion Ratio Lower Upper

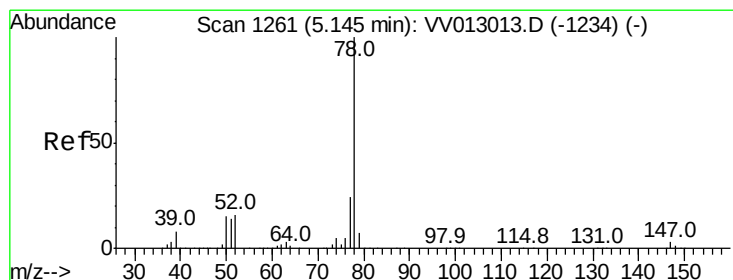
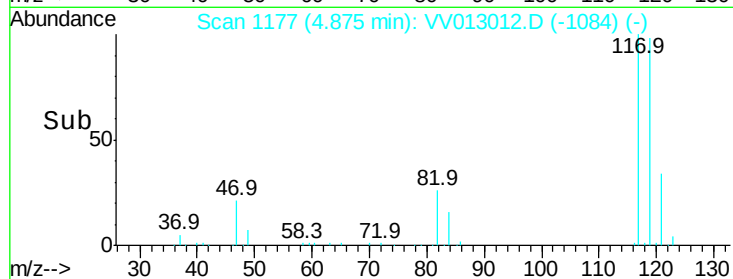
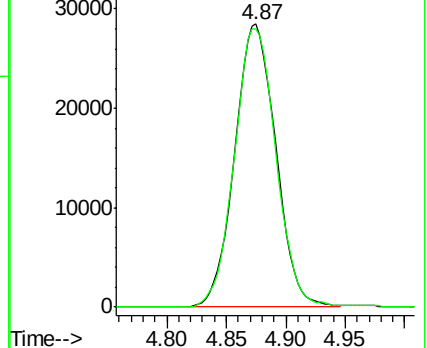
117 100

119 98.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.055 ug/L

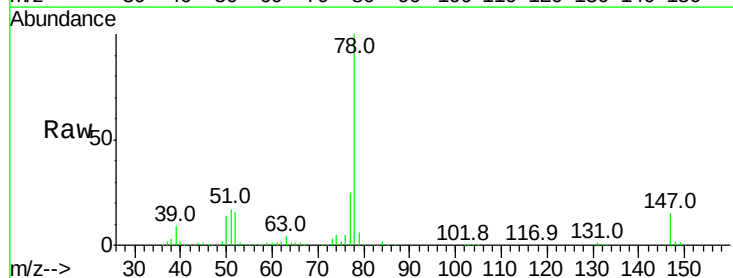
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

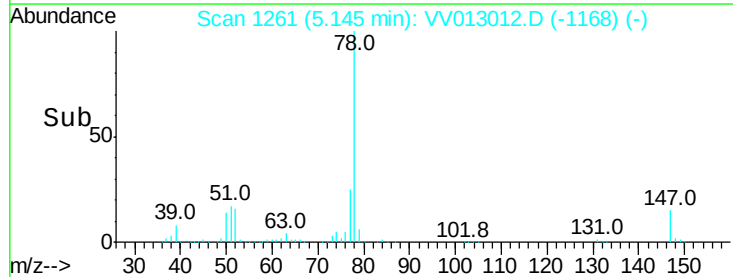
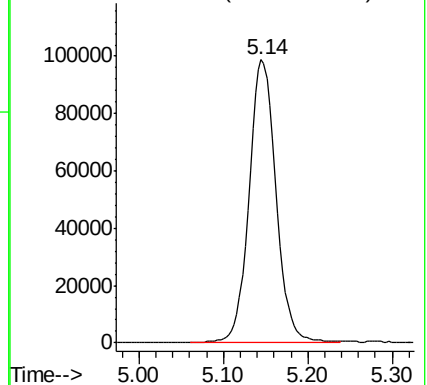
Lab File: VV013012.D

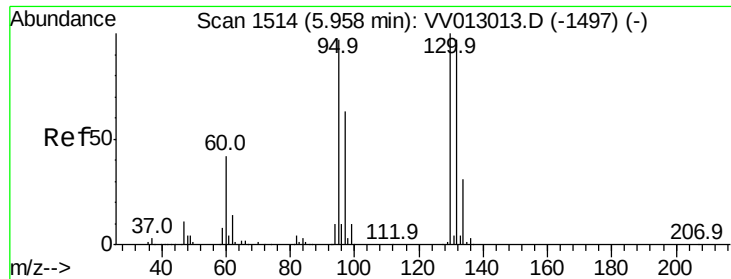
Acq: 30 Sep 2019 11:31

Tgt Ion: 78 Resp: 220465



Abundance Ion 78.00 (77.70 to 78.70): VV0

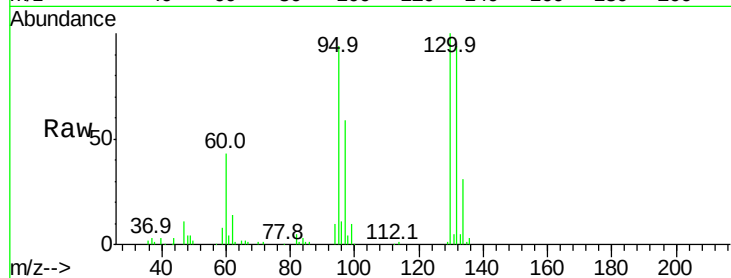




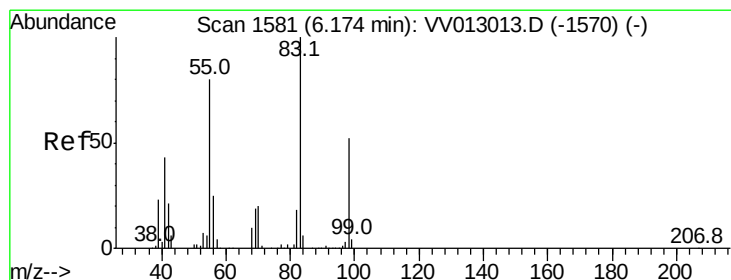
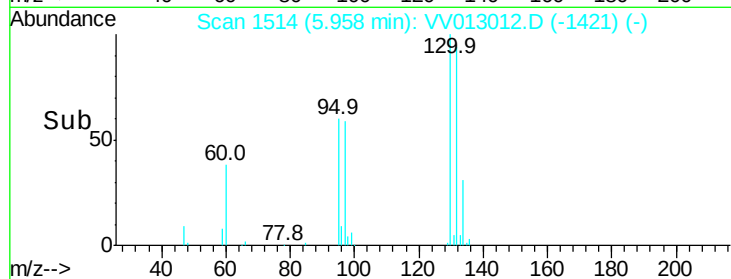
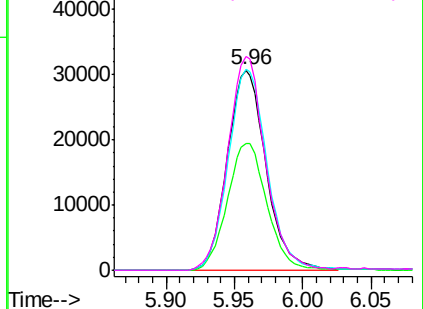
#34
 Trichloroethene
 Concen: 5.107 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	95	Resp:	60340
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.4	84.2
132	100.4	70.1	130.3
130	106.7	72.4	134.4

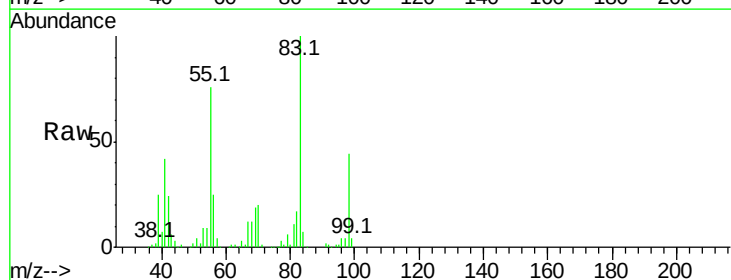


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

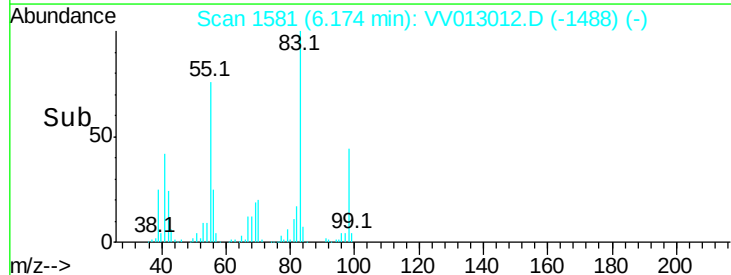
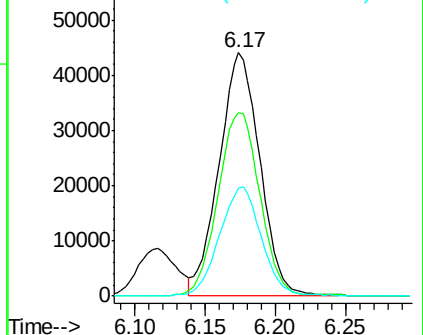


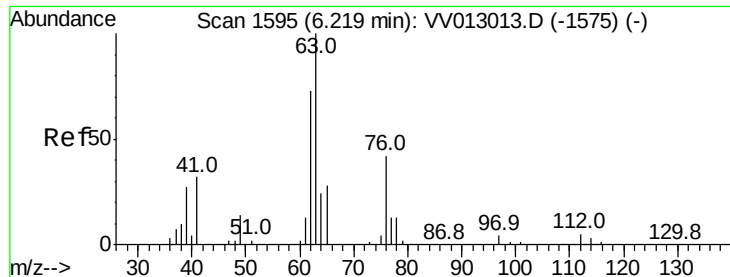
#35
 Methylcyclohexane
 Concen: 4.792 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion:	83	Resp:	88863
Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.9	92.9
98	45.2	40.0	60.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

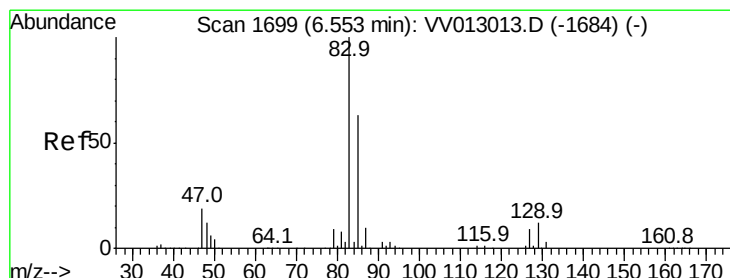
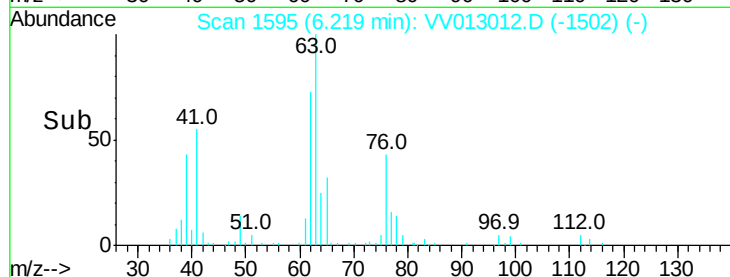
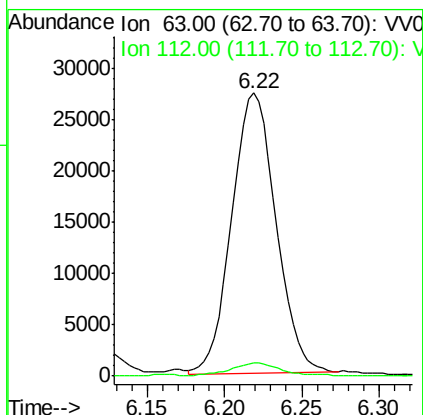
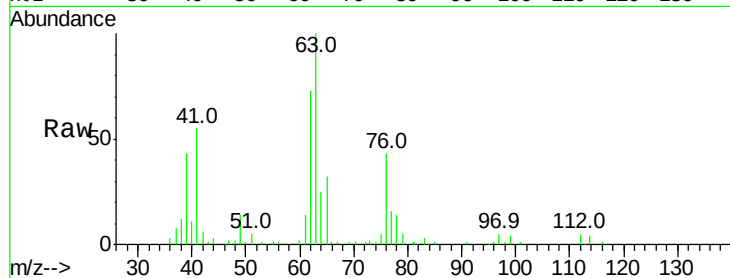




#37
 1,2-Dichloropropane
 Concen: 4.846 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

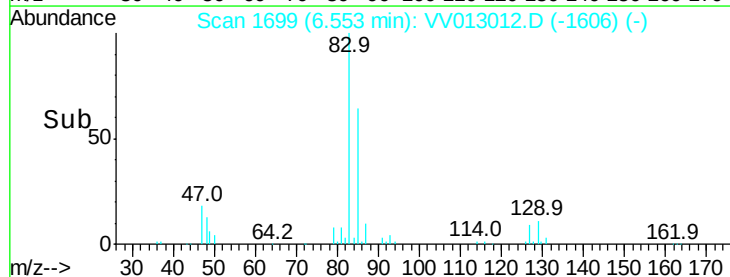
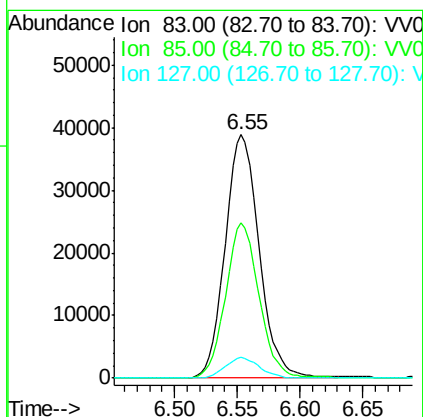
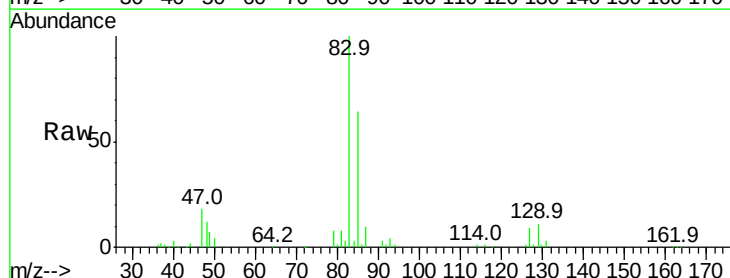
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

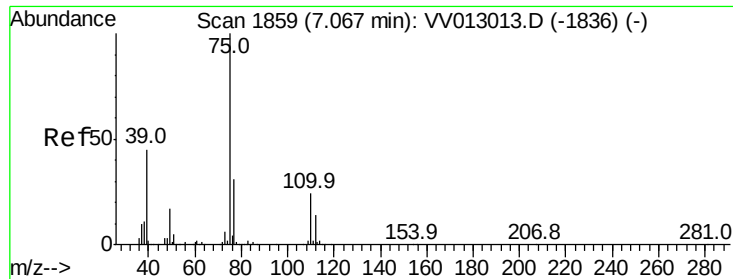
Tgt Ion: 63 Resp: 54225
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.023 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion: 83 Resp: 73365
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.9 81.5
 127 8.6 7.0 10.6

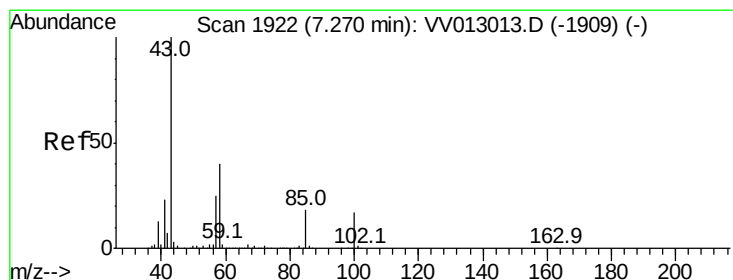
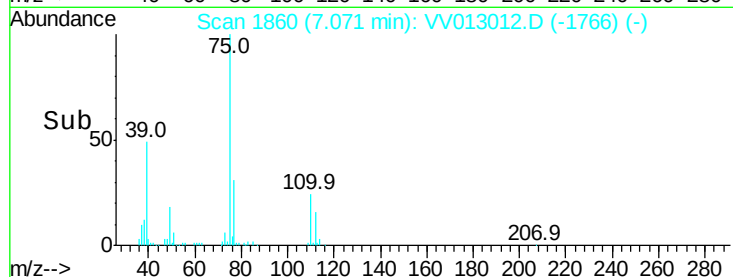
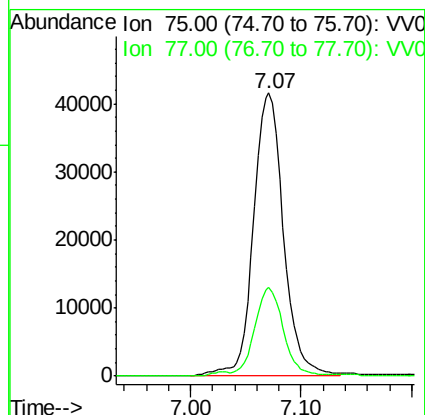
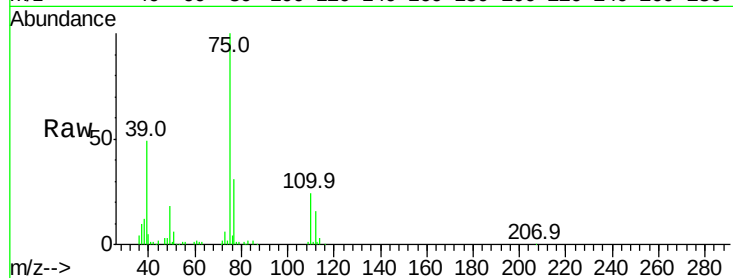




#39
 cis-1,3-Dichloropropene
 Concen: 4.676 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

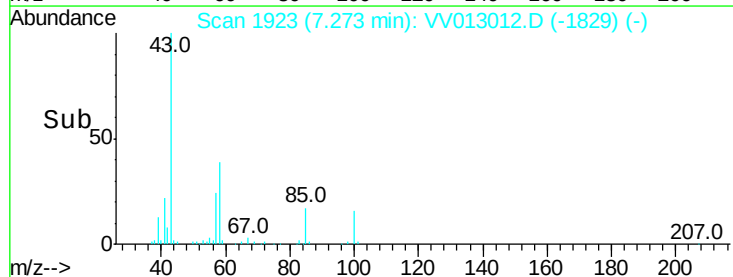
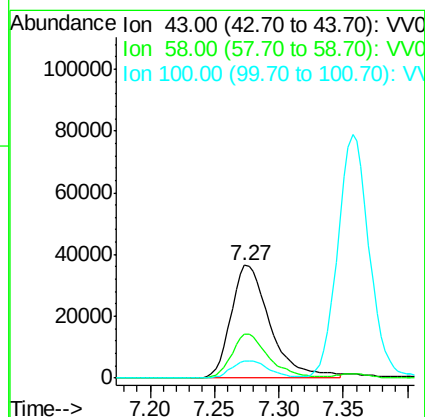
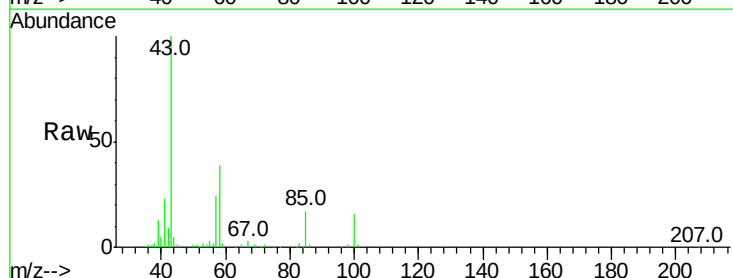
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

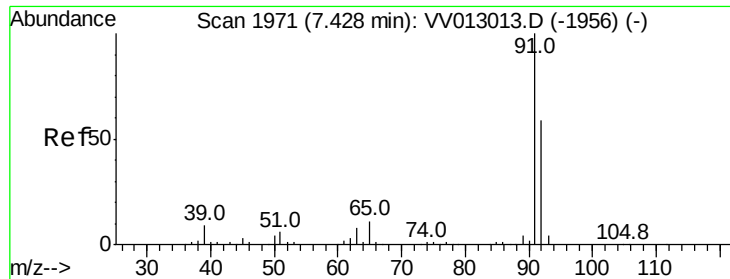
Tgt Ion: 75 Resp: 78784
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 8.559 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion: 43 Resp: 76545
 Ion Ratio Lower Upper
 43 100
 58 37.0 31.8 47.8
 100 14.7 12.8 19.2





#42

Toluene

Concen: 4.939 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

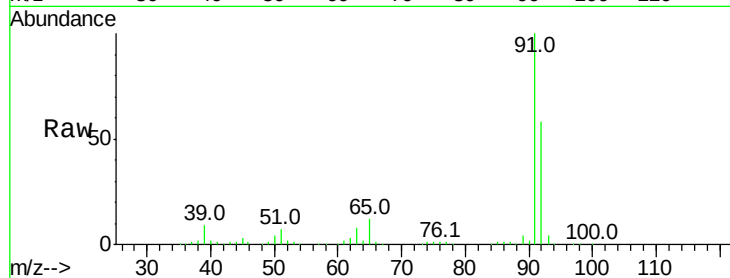
VSTD00563

Tgt Ion: 91 Resp: 229104

Ion Ratio Lower Upper

91 100

92 58.5 41.1 76.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

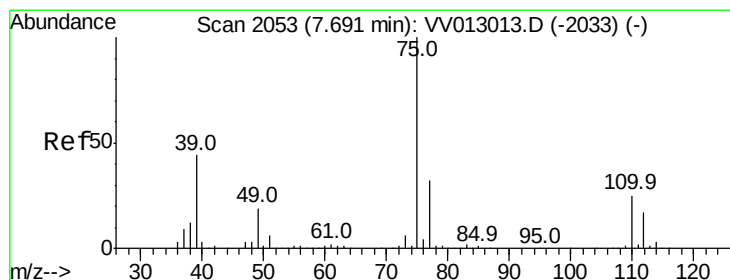
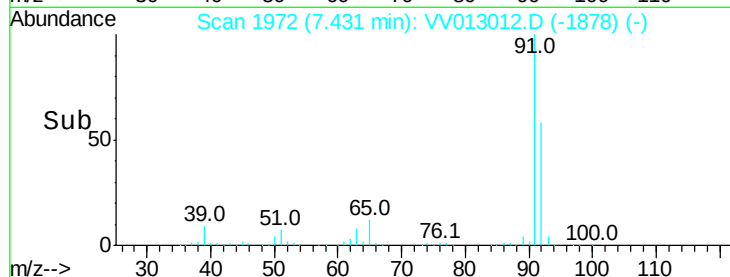
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.529 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013012.D

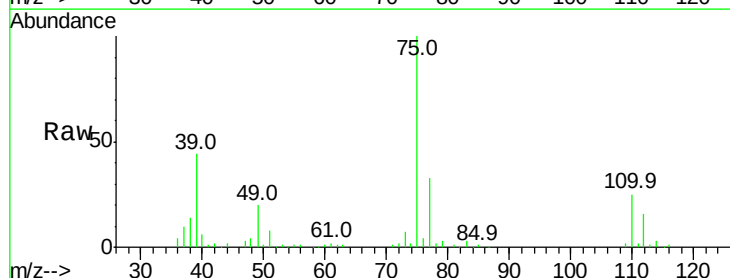
Acq: 30 Sep 2019 11:31

Tgt Ion: 75 Resp: 62651

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

40000

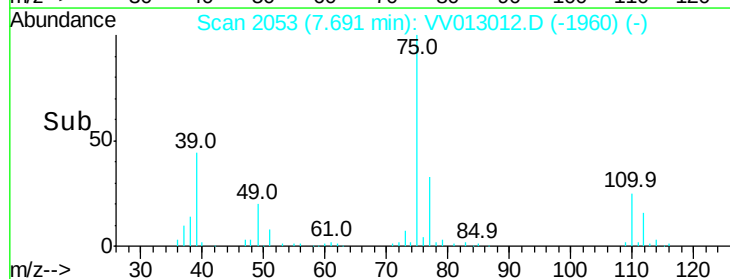
30000

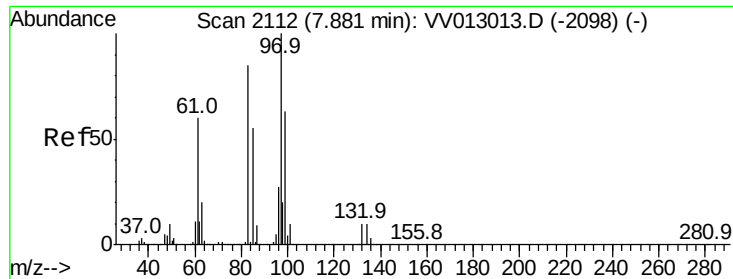
20000

10000

0

Time-->

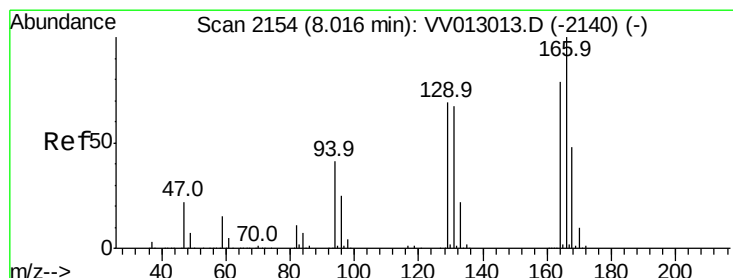
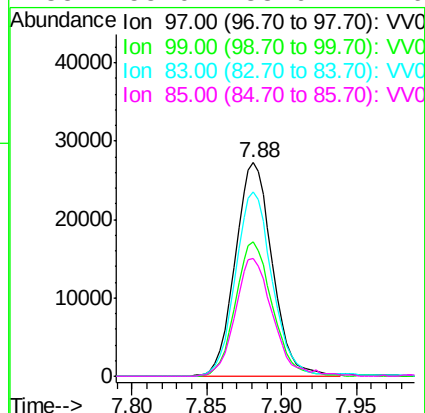
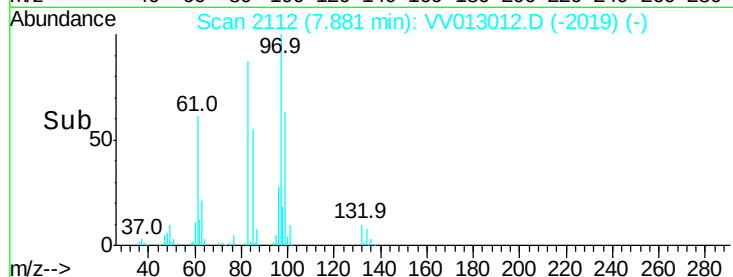
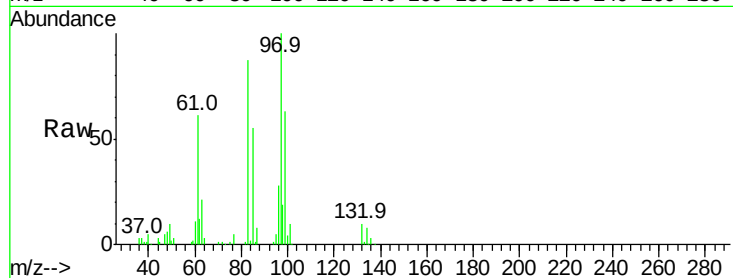




#45
 1,1,2-Trichloroethane
 Concen: 4.956 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

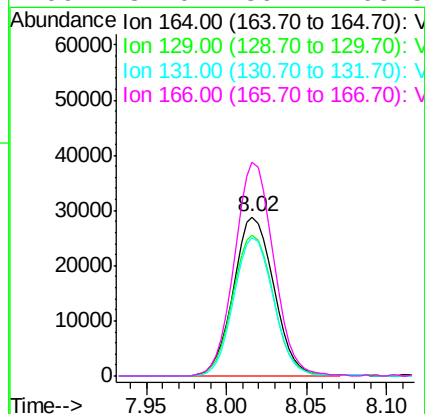
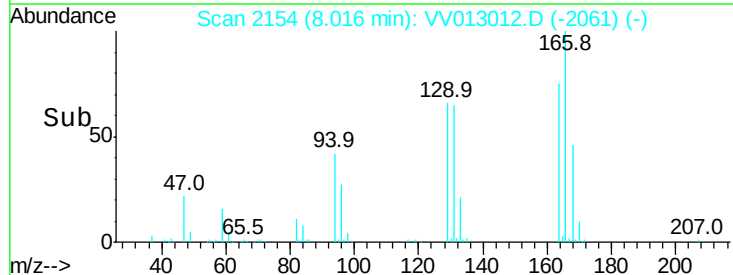
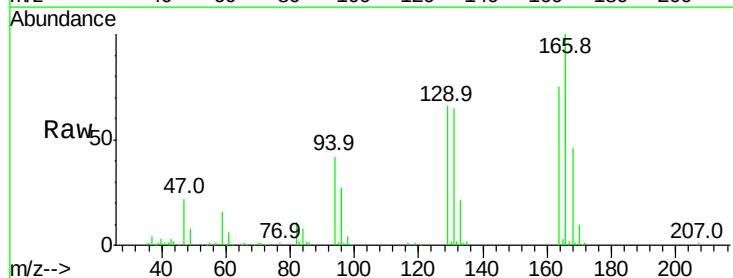
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

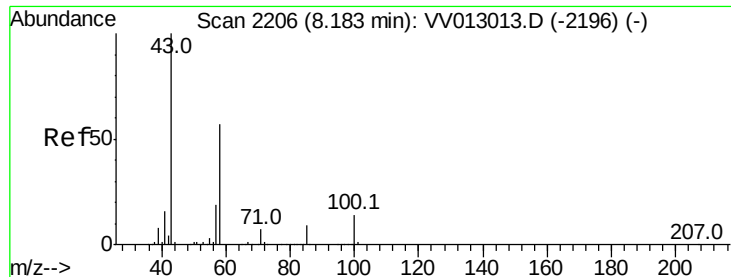
Tgt Ion:	97	Resp:	47048
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.2	82.2
83	86.5	59.7	110.9
85	55.0	38.6	71.6



#46
 Tetrachloroethene
 Concen: 5.097 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion:	164	Resp:	49828
Ion	Ratio	Lower	Upper
164	100		
129	88.7	61.2	113.6
131	87.0	59.9	111.3
166	134.0	89.1	165.5

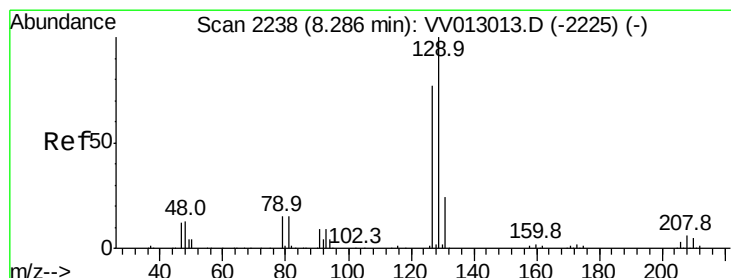
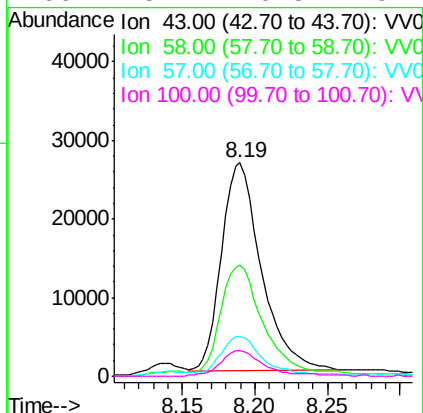
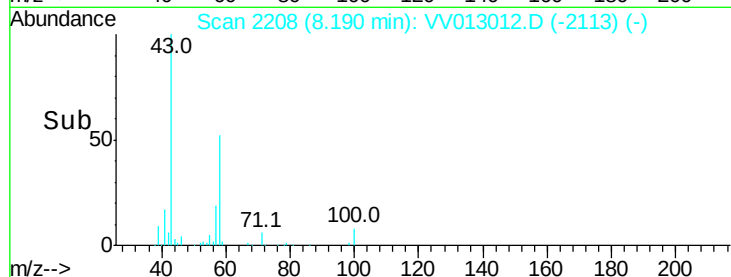
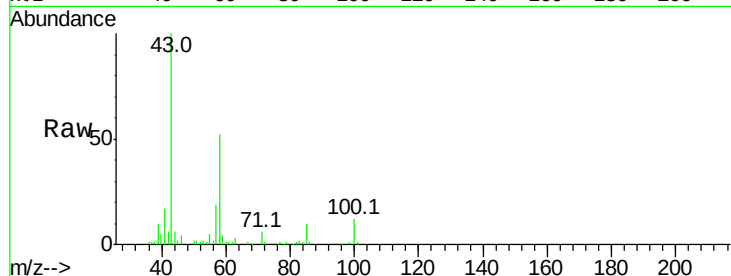




#48
2-Hexanone
Concen: 7.769 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

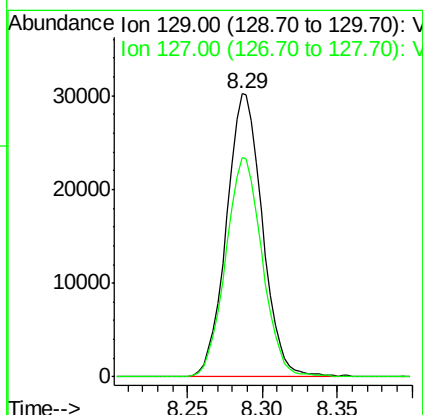
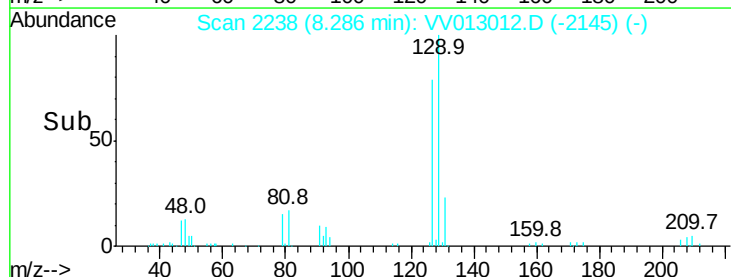
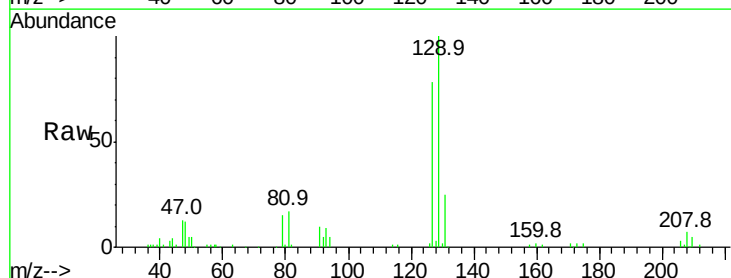
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

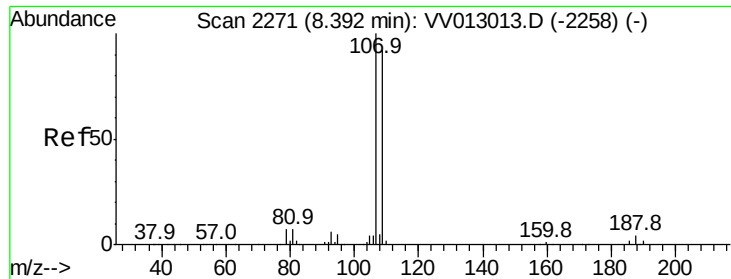
Tgt Ion: 43 Resp: 50595
Ion Ratio Lower Upper
43 100
58 54.0 44.9 67.3
57 18.6 15.2 22.8
100 13.7 10.5 15.7



#49
Dibromochloromethane
Concen: 4.678 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion: 129 Resp: 50635
Ion Ratio Lower Upper
129 100
127 77.7 53.9 100.1

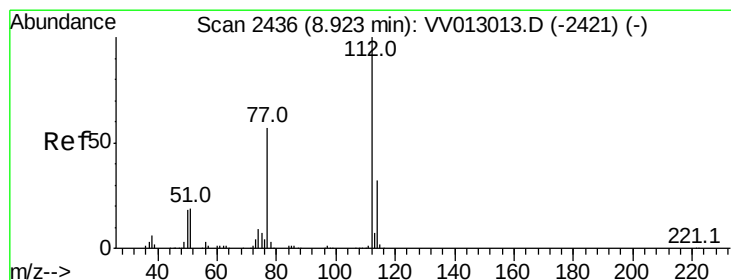
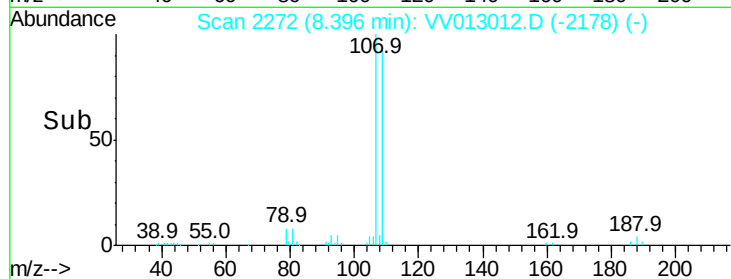
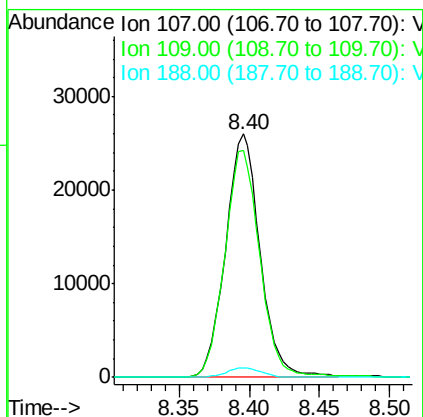
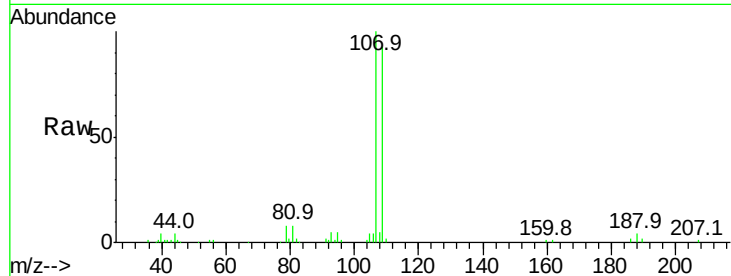




#50
1,2-Dibromoethane
Concen: 4.742 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

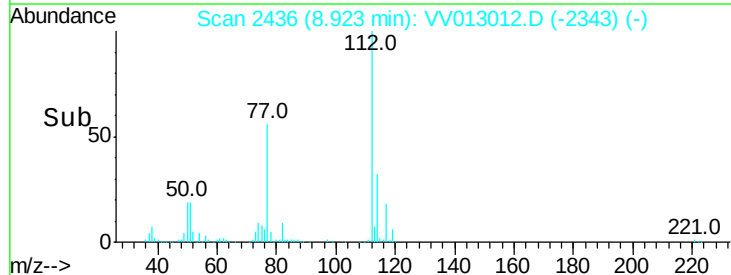
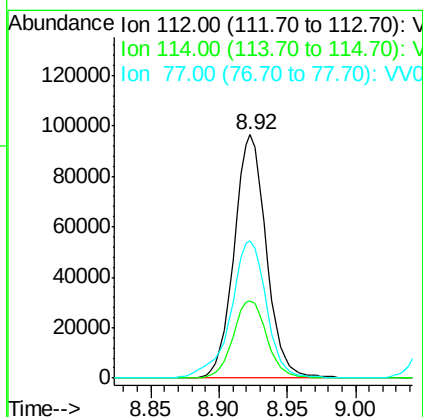
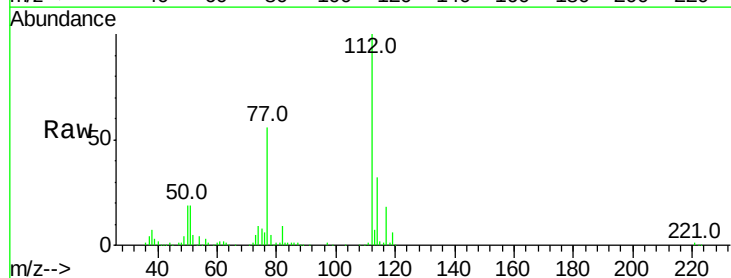
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

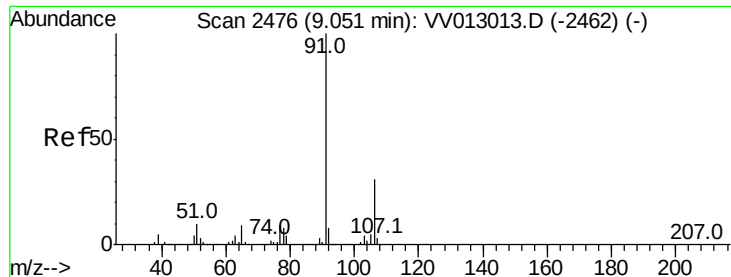
Tgt Ion:107 Resp: 44410
Ion Ratio Lower Upper
107 100
109 93.4 64.7 120.1
188 4.0 3.7 5.5



#51
Chlorobenzene
Concen: 5.011 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion:112 Resp: 157667
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 56.4 45.9 68.9





#52

Ethylbenzene

Concen: 4.782 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

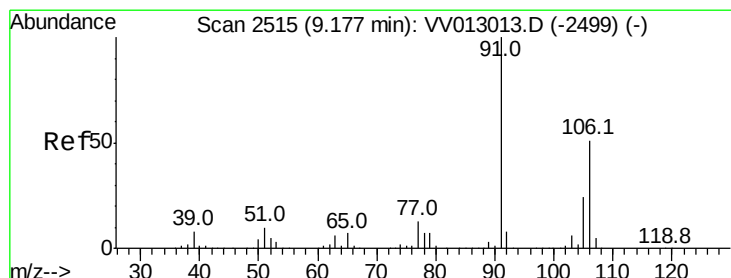
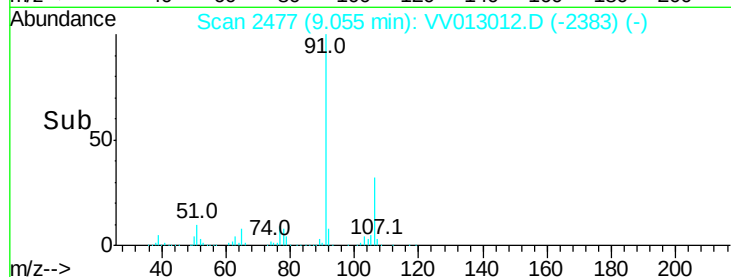
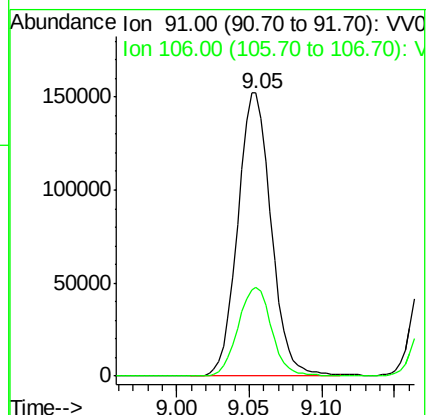
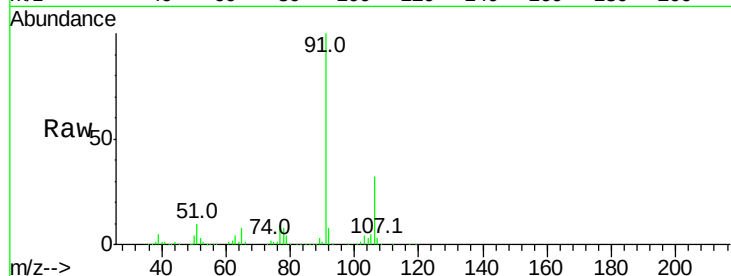
VSTD00563

Tgt Ion: 91 Resp: 243680

Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.4



#53

m,p-Xylene

Concen: 4.702 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013012.D

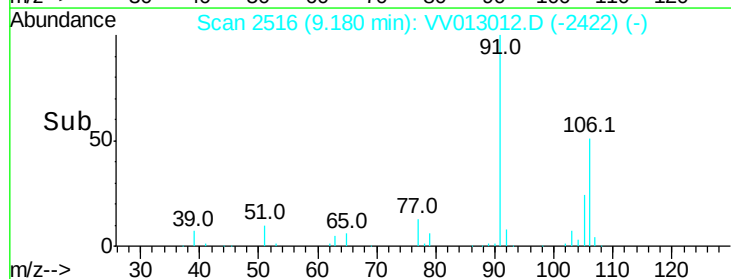
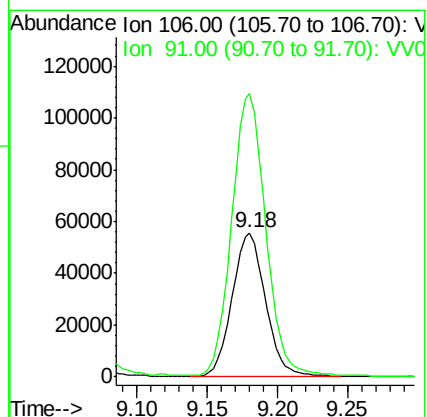
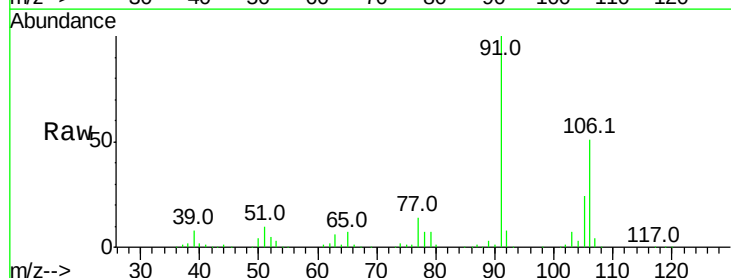
Acq: 30 Sep 2019 11:31

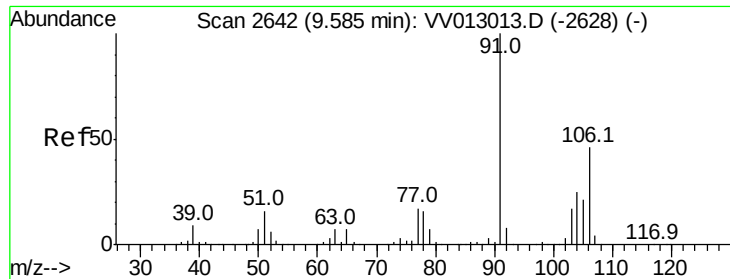
Tgt Ion: 106 Resp: 91577

Ion Ratio Lower Upper

106 100

91 196.4 138.0 256.2

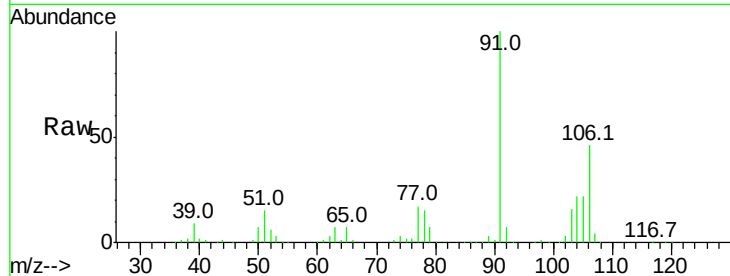




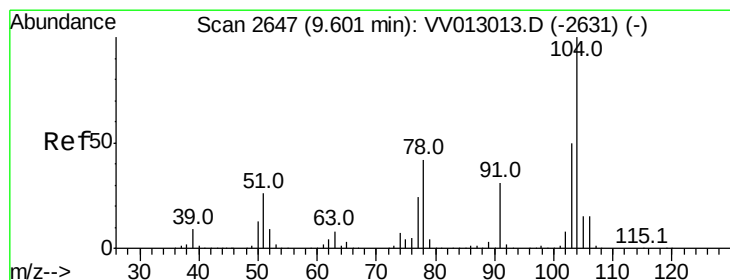
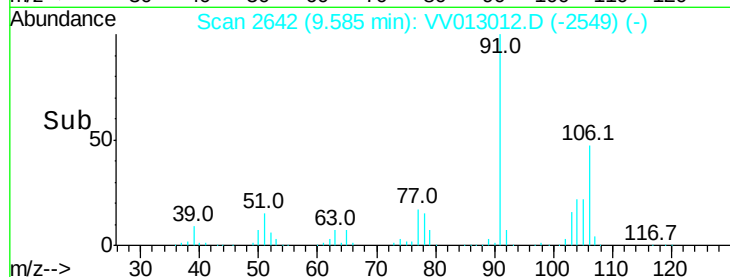
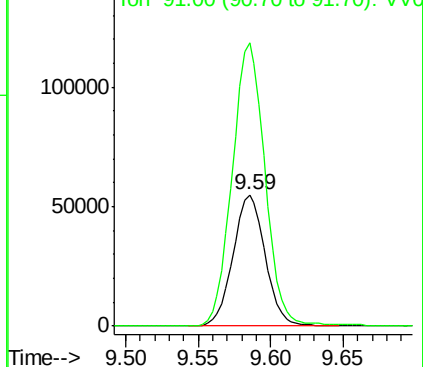
#54
o-Xylene
Concen: 4.559 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 84954
Ion Ratio Lower Upper
106 100
91 215.2 150.8 280.1

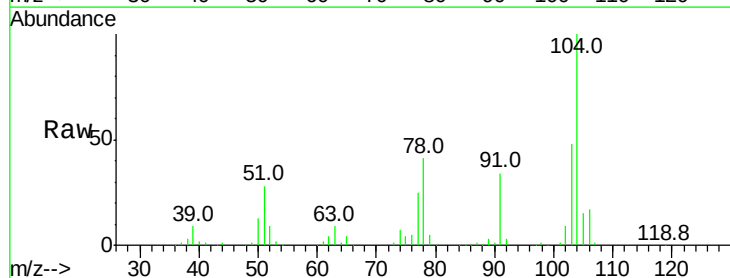


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

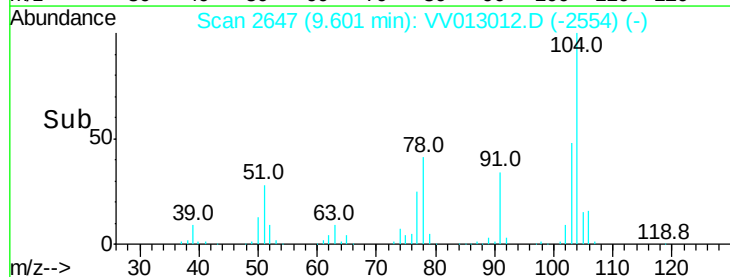
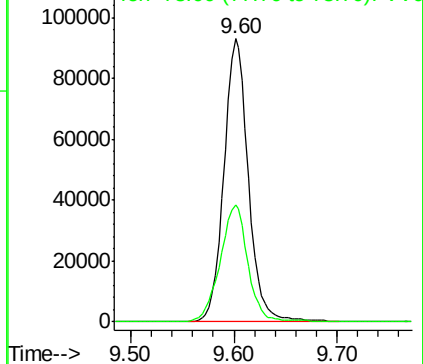


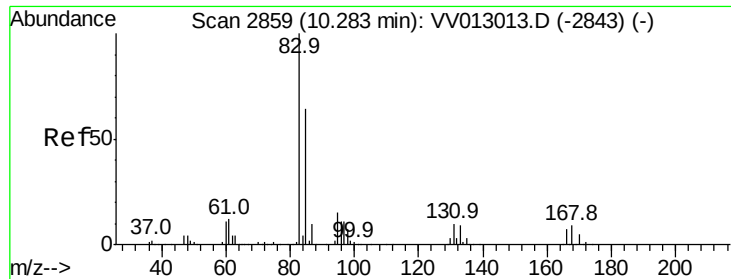
#55
Styrene
Concen: 4.709 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion:104 Resp: 153632
Ion Ratio Lower Upper
104 100
78 41.4 29.8 55.3



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

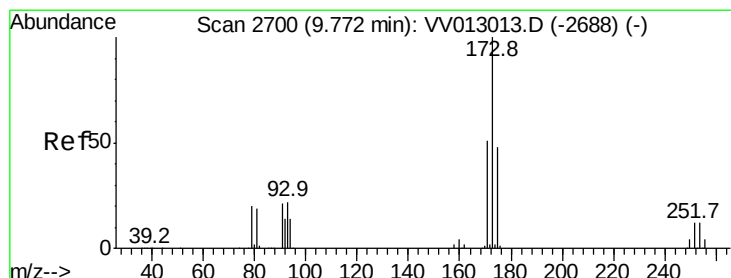
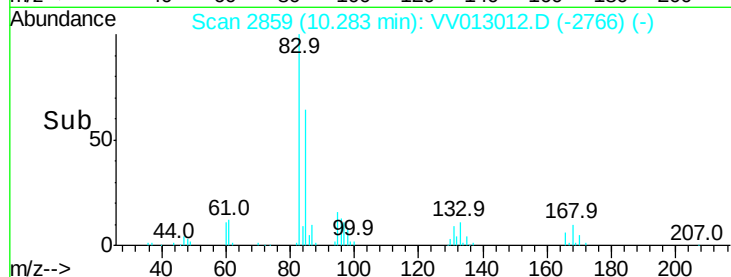
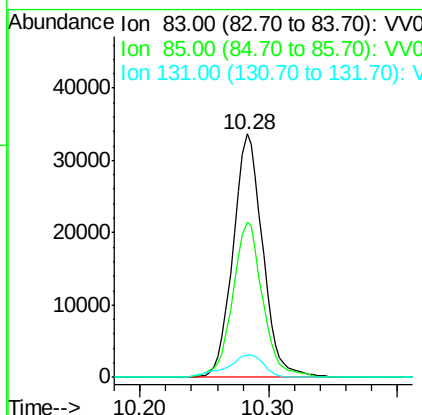
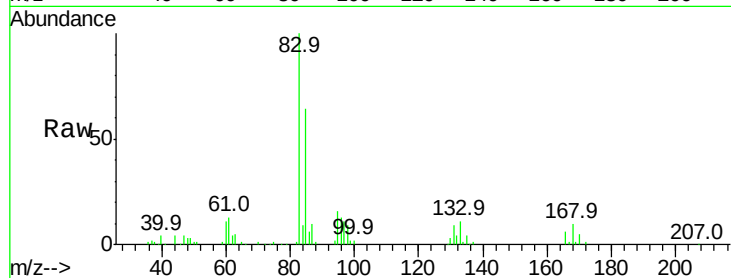




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.651 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

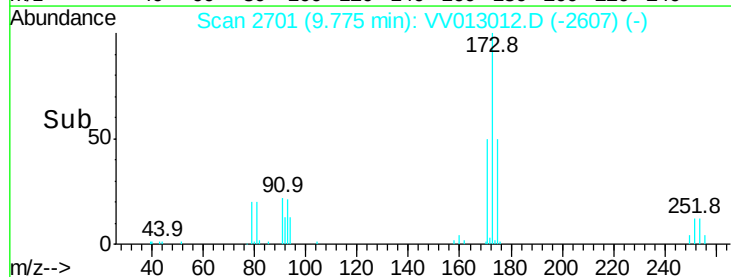
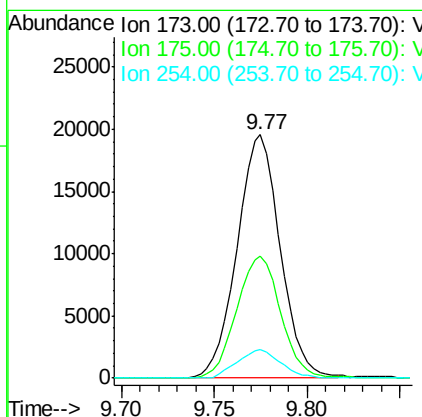
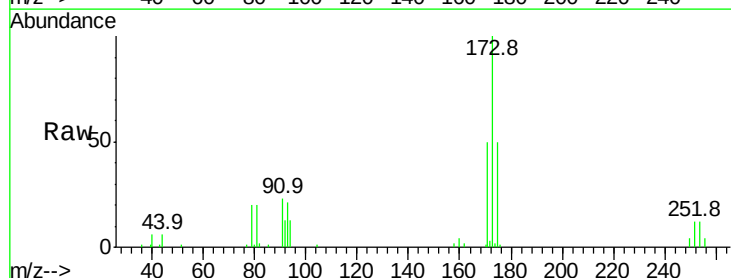
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

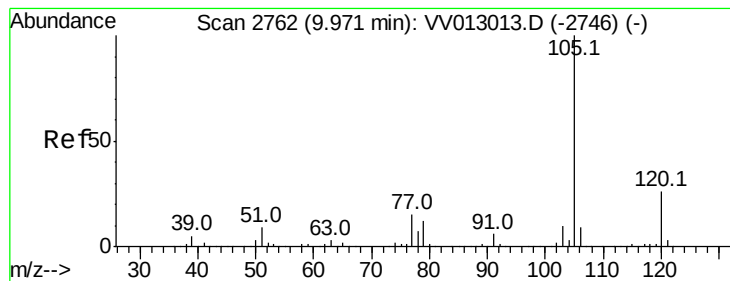
Tgt Ion: 83 Resp: 53834
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.5 82.7
 131 9.3 8.2 12.2



#59
 Bromoform
 Concen: 4.549 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion: 173 Resp: 31638
 Ion Ratio Lower Upper
 173 100
 175 50.9 38.9 58.3
 254 11.6 9.4 14.0





#60

Isopropylbenzene

Concen: 4.813 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

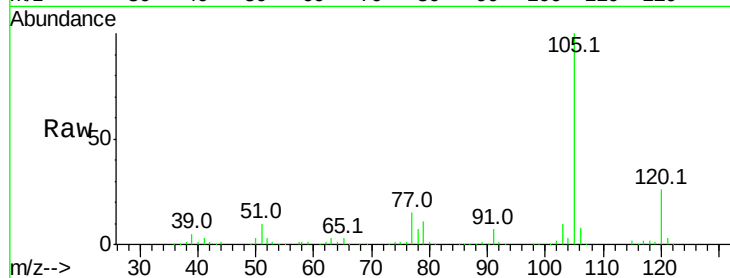
Tgt Ion: 105 Resp: 23522

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

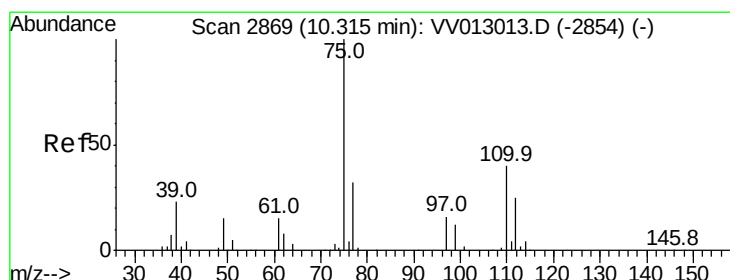
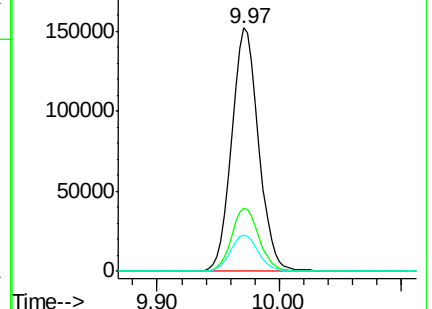
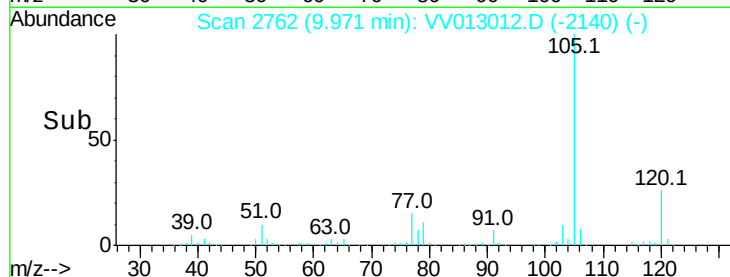
77 15.5 12.3 18.5



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: 4.757 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

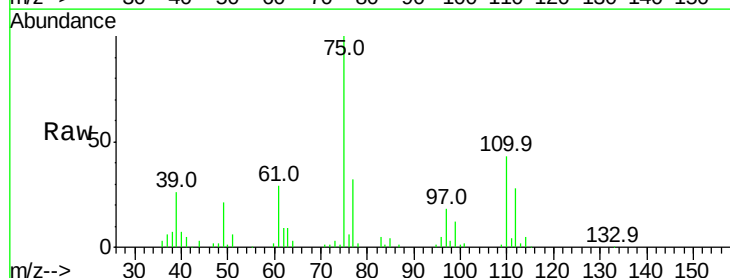
Tgt Ion: 75 Resp: 43966

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

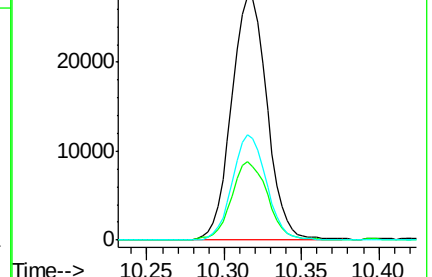
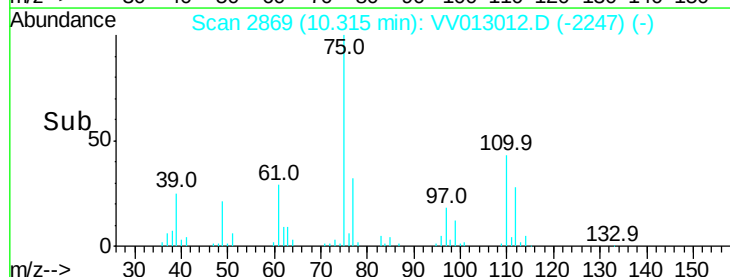
110 41.0 31.7 47.5

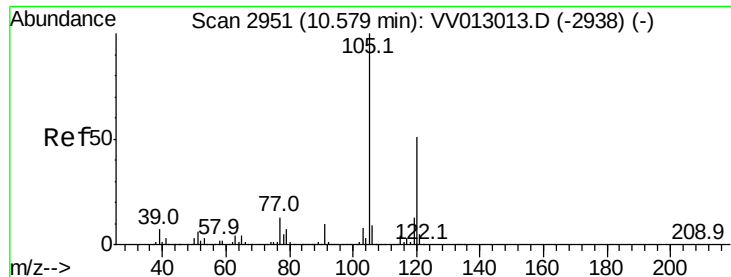


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 4.525 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV013012.D

Acq: 30 Sep 2019 11:31

Instrument :

MSVOA_V

ClientSampleId :

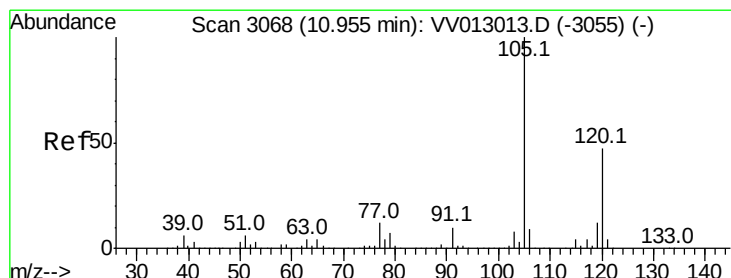
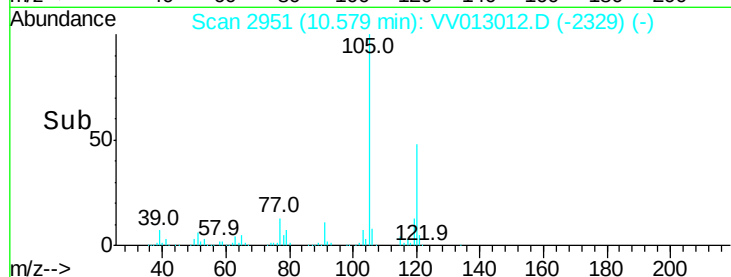
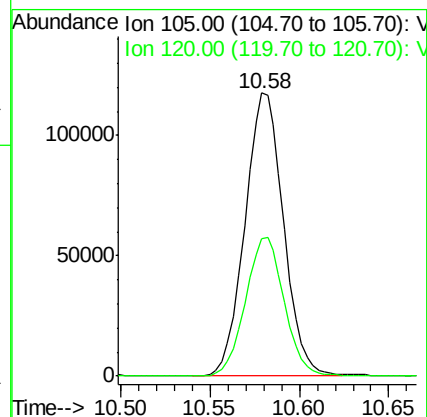
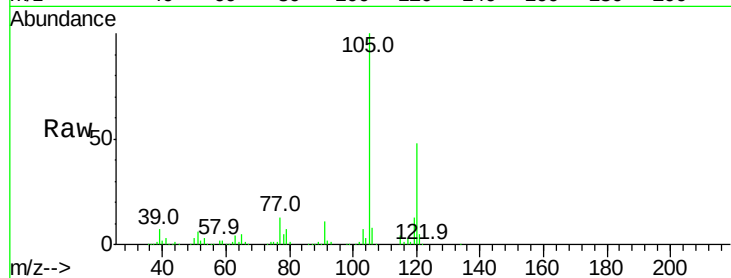
VSTD00563

Tgt Ion:105 Resp: 178407

Ion Ratio Lower Upper

105 100

120 49.2 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 4.562 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV013012.D

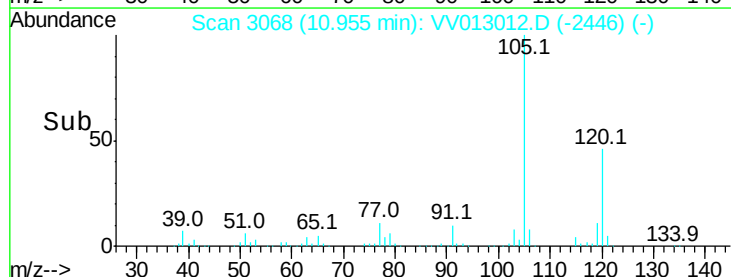
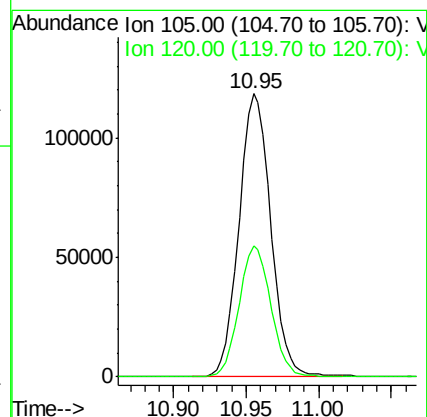
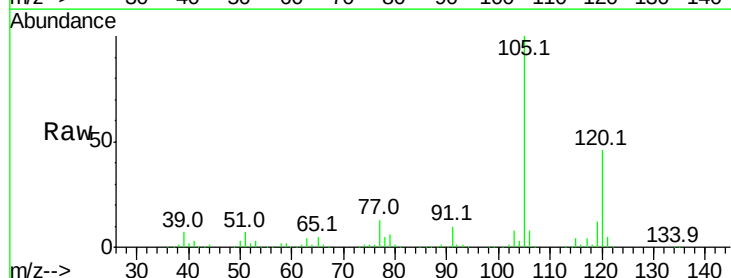
Acq: 30 Sep 2019 11:31

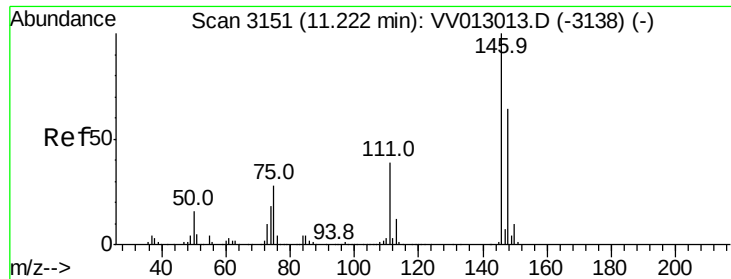
Tgt Ion:105 Resp: 180632

Ion Ratio Lower Upper

105 100

120 46.5 37.1 55.7

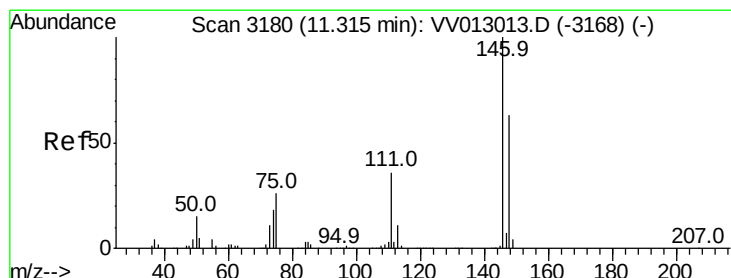
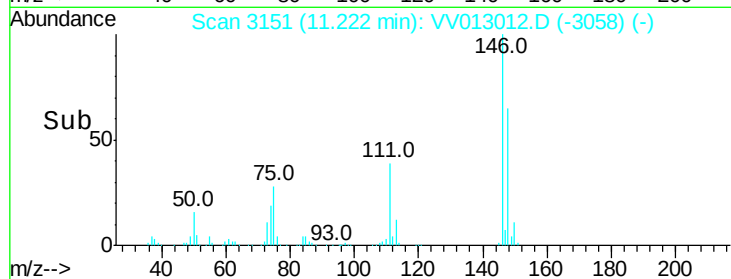
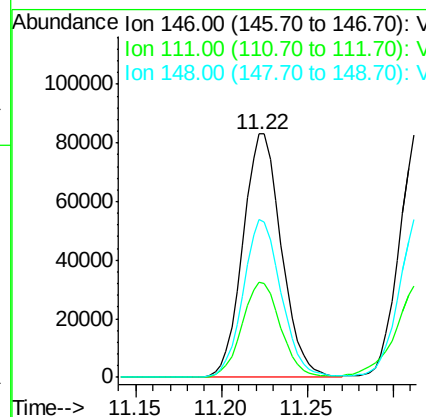
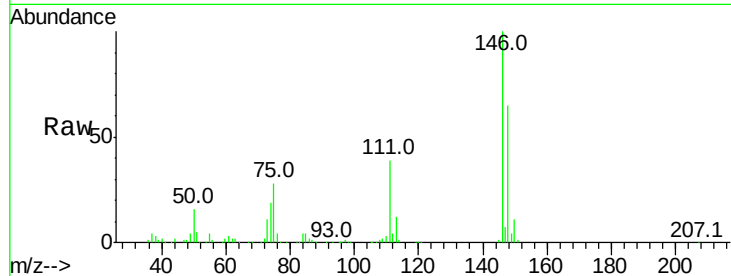




#64
 1,3-Dichlorobenzene
 Concen: 5.049 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

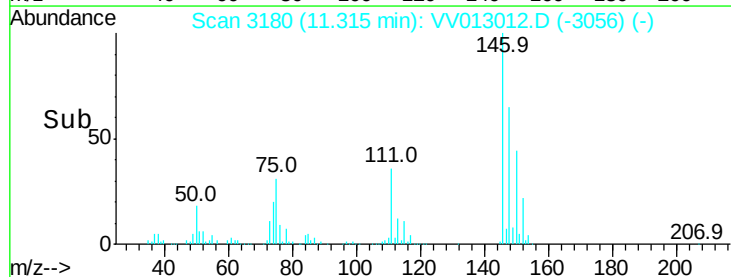
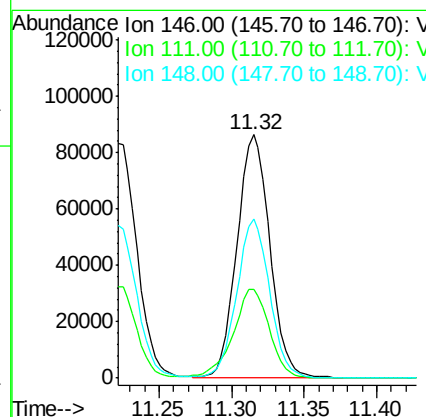
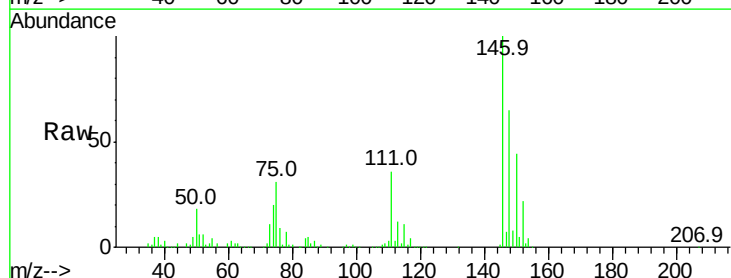
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00563

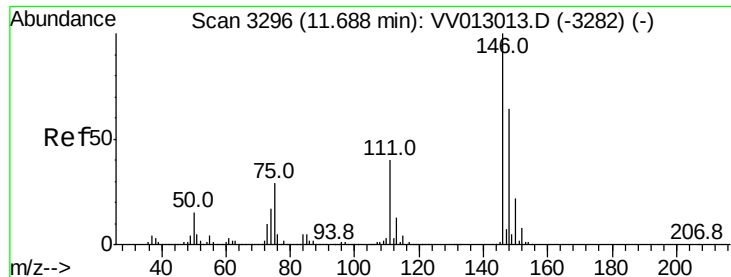
Tgt Ion:146 Resp: 129693
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.0 50.2
 148 65.1 44.7 83.1



#65
 1,4-Dichlorobenzene
 Concen: 5.053 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion:146 Resp: 136302
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.4 47.2
 148 65.2 44.2 82.2

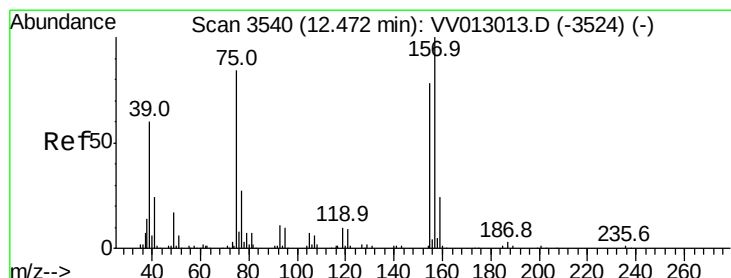
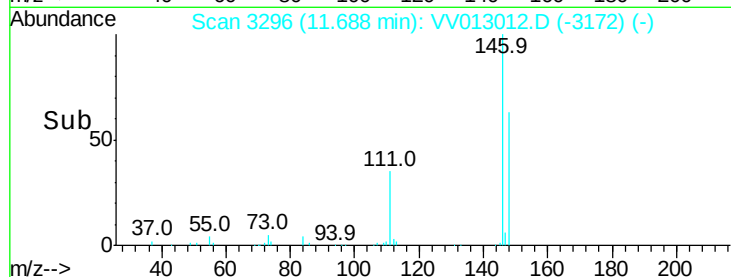
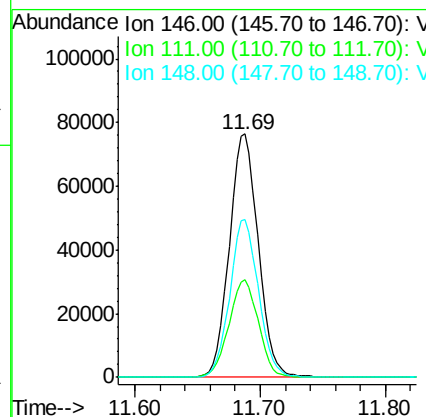
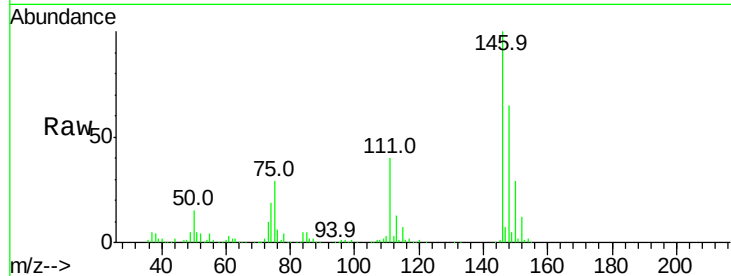




#67
 1,2-Dichlorobenzene
 Concen: 5.015 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

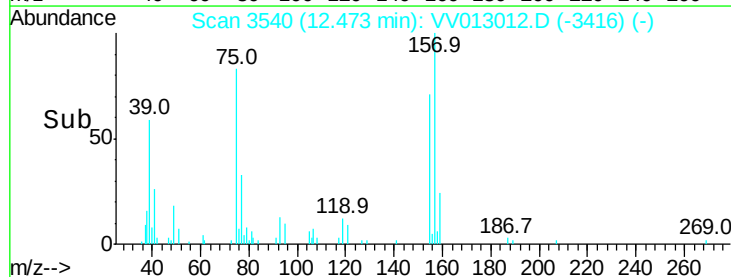
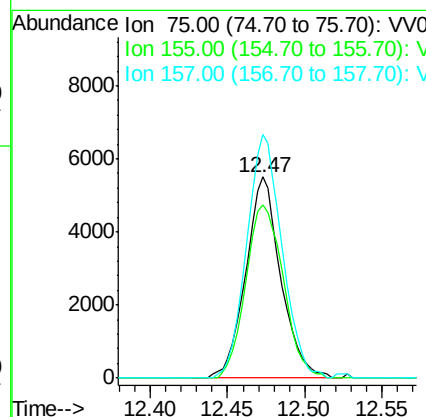
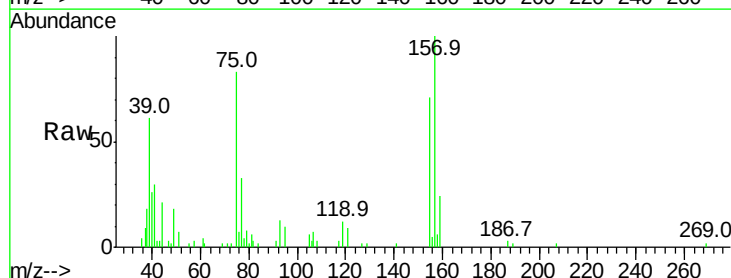
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

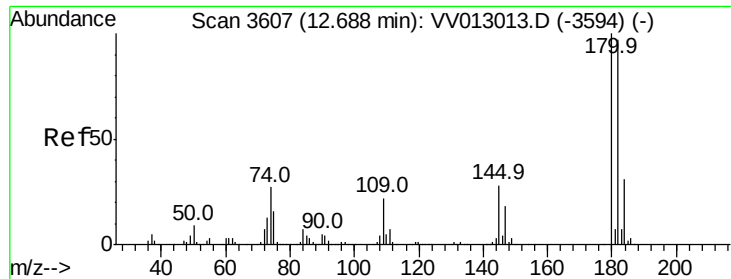
Tgt Ion: 146 Resp: 122990
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.0 48.0
 148 64.6 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.323 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion: 75 Resp: 8666
 Ion Ratio Lower Upper
 75 100
 155 86.3 74.4 111.6
 157 121.2 95.8 143.6

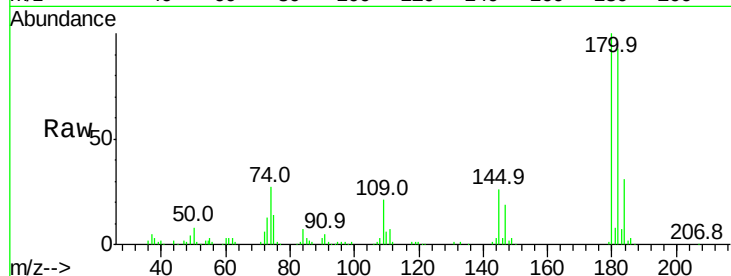




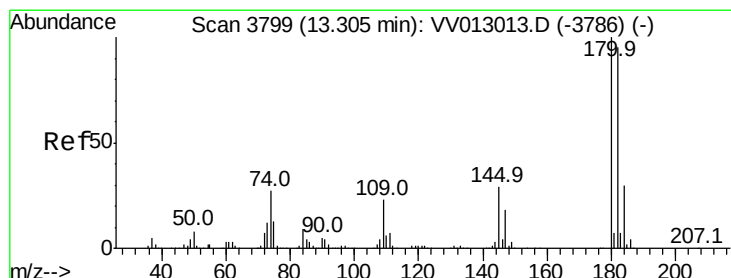
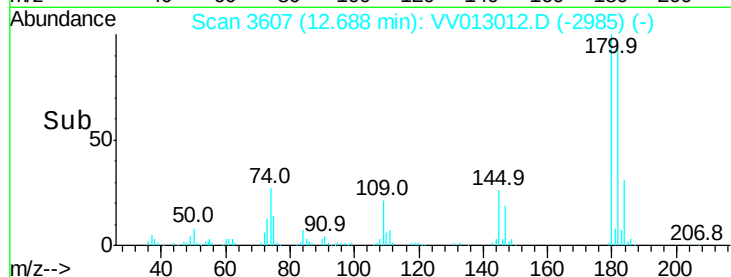
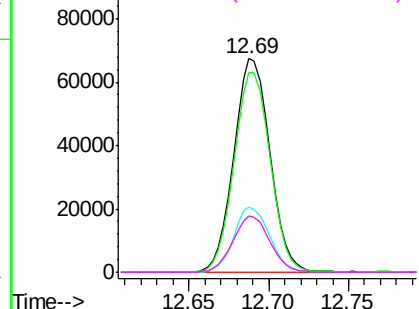
#69
 1,3,5-Trichlorobenzene
 Concen: 5.030 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	180	Resp:	104011
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.6	115.0
184	30.1	24.6	37.0
145	26.7	22.2	33.4

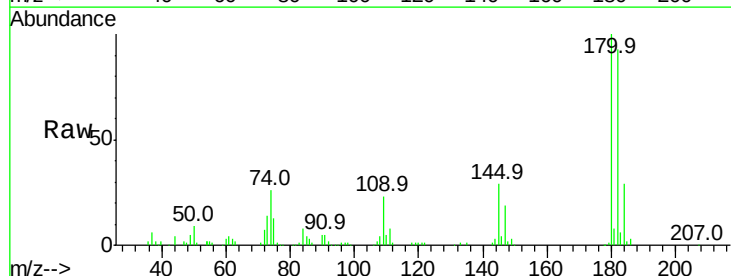


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

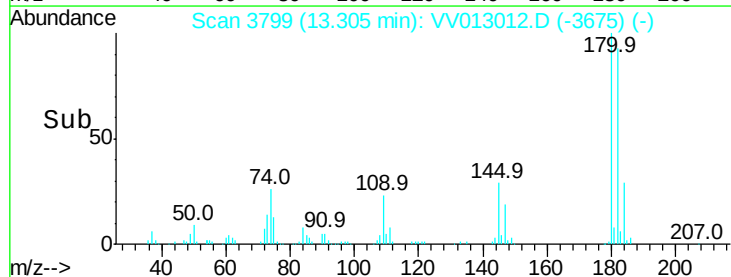
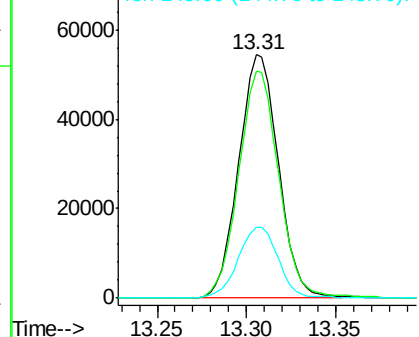


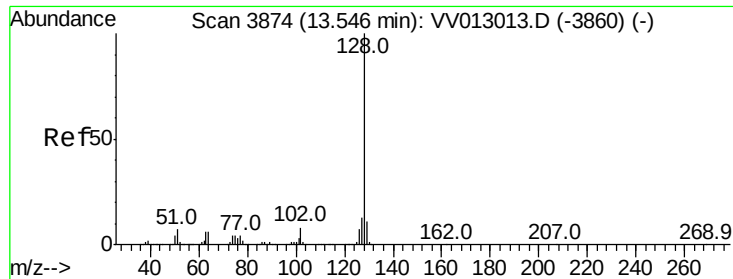
#70
 1,2,4-trichlorobenzene
 Concen: 4.721 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013012.D
 Acq: 30 Sep 2019 11:31

Tgt Ion:	180	Resp:	84410
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.0	114.0
145	29.2	22.5	33.7



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

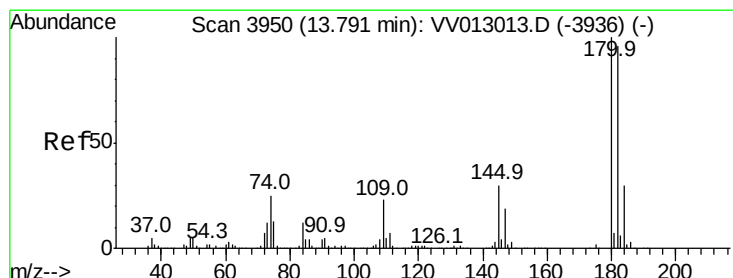
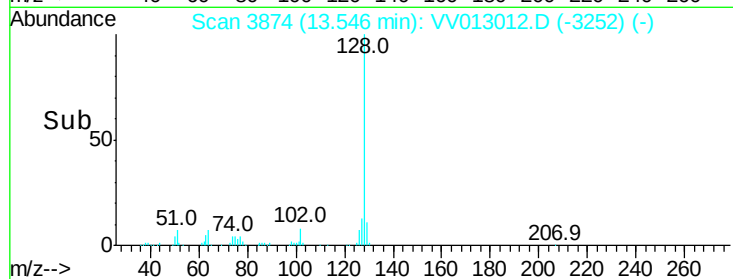
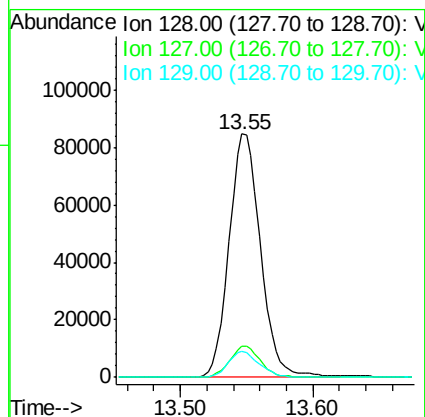
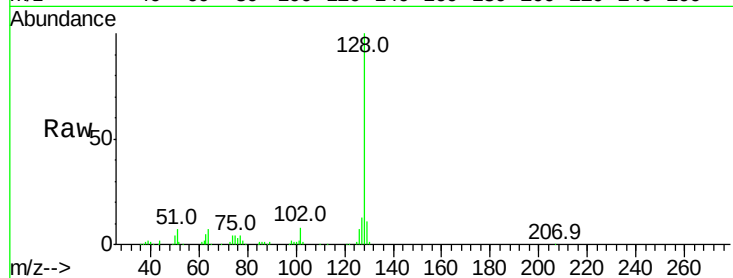




#71
Naphthalene
Concen: 4.014 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Instrument :
MSVOA_V
ClientSampled :
VSTD00563

Tgt Ion:128 Resp: 139816
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.5 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 4.781 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013012.D
Acq: 30 Sep 2019 11:31

Tgt Ion:180 Resp: 82458
Ion Ratio Lower Upper
180 100
182 96.1 76.7 115.1
145 30.5 24.2 36.4

