

Data File : VV013014.D
Acq On : 30 Sep 2019 12:26
Operator : SY/MD
Sample : VSTD05080
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Quant Time: Sep 30 14:05:40 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	814038	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	815951	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	444297	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	502749	43.17	ug/L	0.00
7) Chloroethane-d5	1.58	69	432174	44.26	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	889829	44.37	ug/L	0.00
21) 2-Butanone-d5	3.95	46	407572	122.05	ug/L	0.00
24) Chloroform-d	4.40	84	987573	45.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	560984	44.97	ug/L	0.00
32) Benzene-d6	5.10	84	2004959	44.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	633120	44.87	ug/L	0.00
41) Toluene-d8	7.36	98	1898493	46.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	278443	47.02	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	303555	102.05	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	610974	46.30	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	774859	45.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	490461	56.236 ug/L	100
3) Chloromethane	1.25	50	578085	52.058 ug/L	100
5) Vinyl chloride	1.32	62	587289	51.333 ug/L	98
6) Bromomethane	1.54	94	367255	49.971 ug/L	98
8) Chloroethane	1.60	64	366013	50.616 ug/L	99
9) Trichlorofluoromethane	1.77	101	763288	49.255 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	482094	48.535 ug/L	99
12) 1,1-Dichloroethene	2.14	96	451208	48.365 ug/L	98
13) Acetone	2.22	43	389816	89.949 ug/L	100
14) Carbon disulfide	2.32	76	1436847	50.182 ug/L	99
15) Methyl Acetate	2.47	43	349456	52.251 ug/L	99
16) Methylene chloride	2.53	84	579820	43.489 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	534985	48.646 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1422054	51.404 ug/L	100
19) 1,1-Dichloroethane	3.23	63	995891	49.342 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	615542	50.324 ug/L	98
22) 2-Butanone	4.03	43	501516	133.693 ug/L	100
23) Bromochloromethane	4.30	128	297348	49.586 ug/L	98
25) Chloroform	4.42	83	1013218	48.150 ug/L	99
27) 1,2-Dichloroethane	5.18	62	719850	49.763 ug/L	100
29) Cyclohexane	4.72	56	927663	51.643 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	804277	48.257 ug/L	100
31) Carbon tetrachloride	4.87	117	723199	48.204 ug/L	99
33) Benzene	5.14	78	2292257	49.137 ug/L	100
34) Trichloroethene	5.96	95	609174	48.203 ug/L	99
35) Methylcyclohexane	6.17	83	996323	50.229 ug/L	99
37) 1,2-Dichloropropane	6.22	63	599261	50.064 ug/L	99
38) Bromodichloromethane	6.55	83	770263	49.297 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	940704	52.193 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	999236	104.450 ug/L	100

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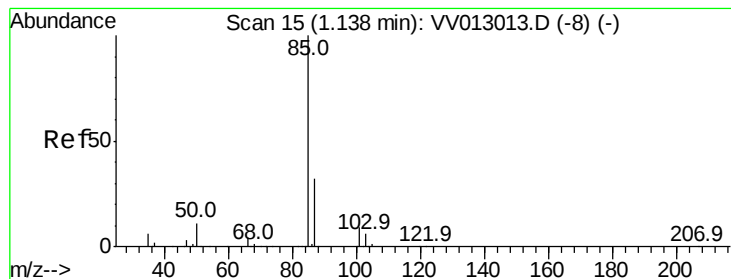
Quant Time: Sep 30 14:05:40 2019
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2490699	50.200	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	781939	52.838	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	496302	48.877	ug/L	100
46) Tetrachloroethene	8.02	164	503729	48.174	ug/L	99
48) 2-Hexanone	8.18	43	766123	109.981	ug/L	99
49) Dibromochloromethane	8.29	129	592699	51.189	ug/L	100
50) 1,2-Dibromoethane	8.39	107	500856	49.999	ug/L	98
51) Chlorobenzene	8.92	112	1655923	49.205	ug/L	100
52) Ethylbenzene	9.05	91	2794979	51.279	ug/L	99
53) m,p-Xylene	9.18	106	1080783	51.874	ug/L	99
54) o-Xylene	9.59	106	1055910	52.972	ug/L	97
55) Styrene	9.60	104	1869113	53.559	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	627735	50.701	ug/L	100
59) Bromoform	9.77	173	387830	50.964	ug/L	100
60) Isopropylbenzene	9.97	105	2775734	51.839	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	491858	48.635	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	2364416	54.805	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	2366922	54.633	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	1409452	50.150	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	1427861	48.378	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	1331422	49.616	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	110188	50.233	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	1131209	49.992	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	1006714	51.453	ug/L	99
71) Naphthalene	13.55	128	2135201	56.023	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	958188	50.772	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 56.236 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013014.D

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Instrument :

MSVOA_V

ClientSampleId :

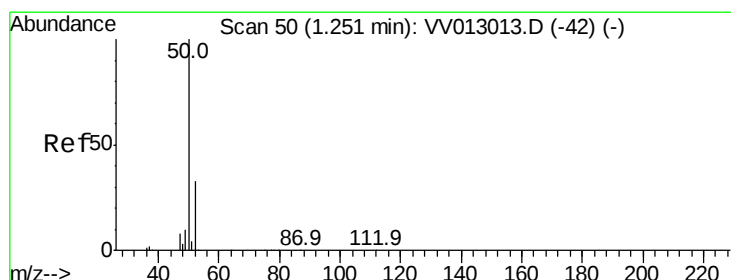
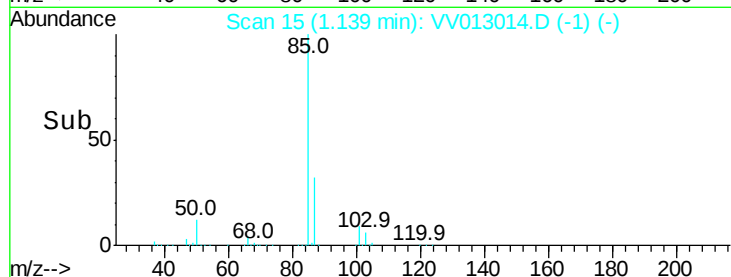
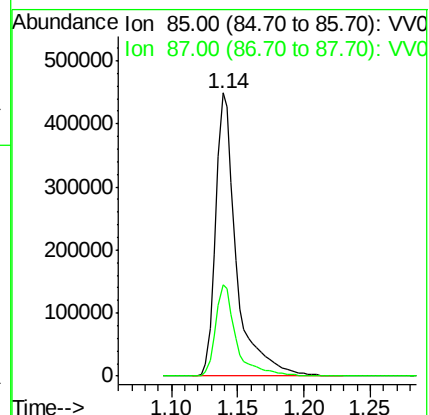
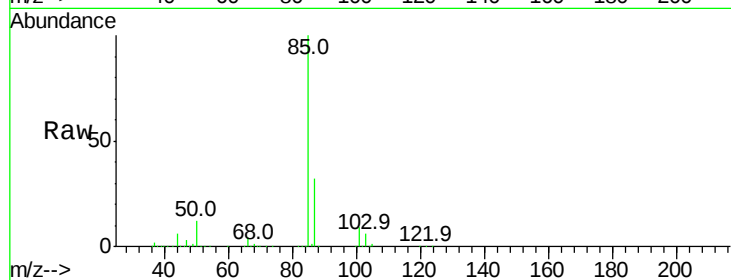
VSTD05065

Tgt Ion: 85 Resp: 490461

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



#3

Chloromethane

Concen: 52.058 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013014.D

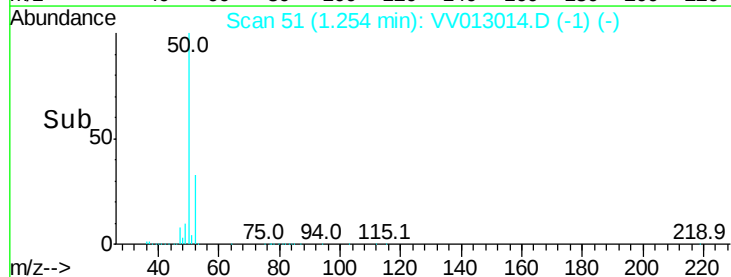
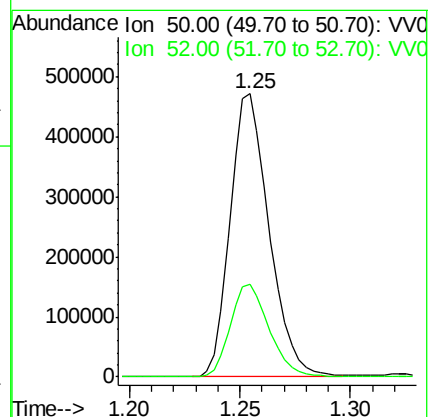
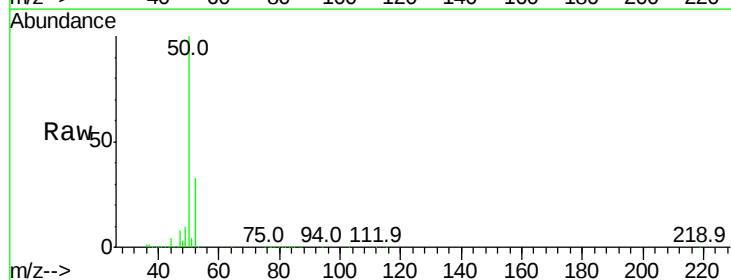
Acq: 30 Sep 2019 12:26

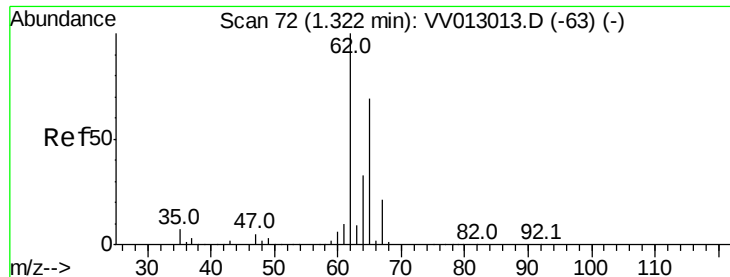
Tgt Ion: 50 Resp: 578085

Ion Ratio Lower Upper

50 100

52 32.8 23.1 42.9





#5

Vinyl chloride

Concen: 51.333 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

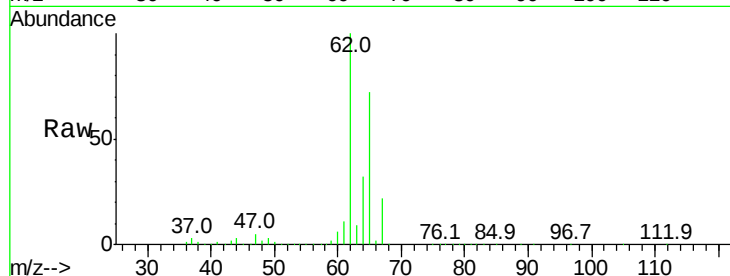
VSTD05065

Tgt Ion: 62 Resp: 587289

Ion Ratio Lower Upper

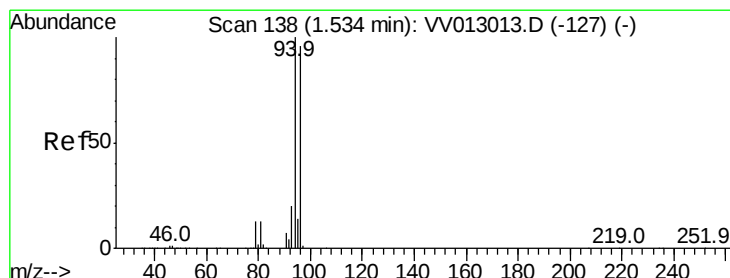
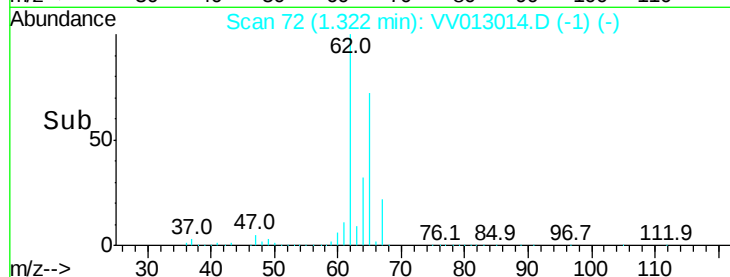
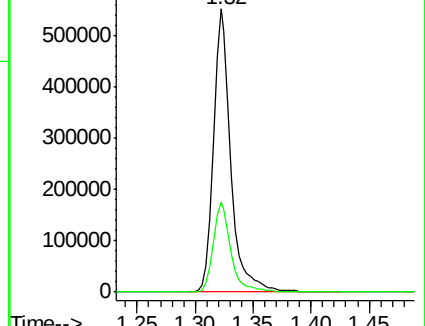
62 100

64 31.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.971 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013014.D

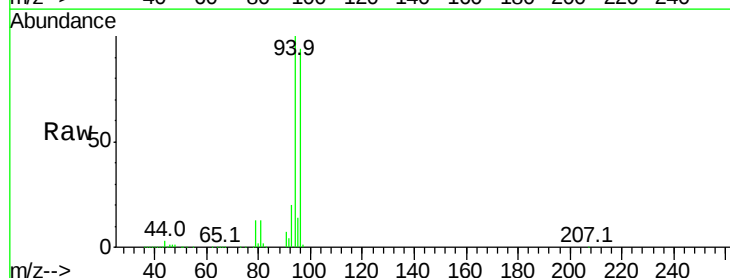
Acq: 30 Sep 2019 12:26

Tgt Ion: 94 Resp: 367255

Ion Ratio Lower Upper

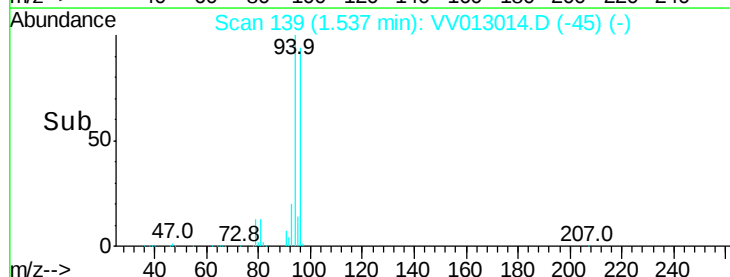
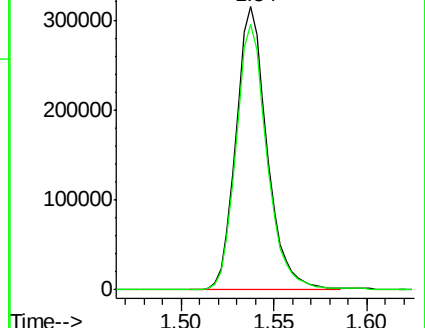
94 100

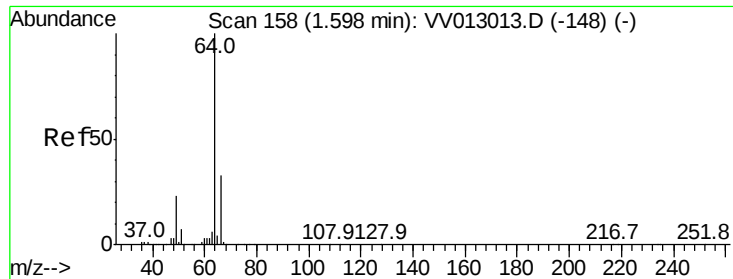
96 94.0 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.616 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

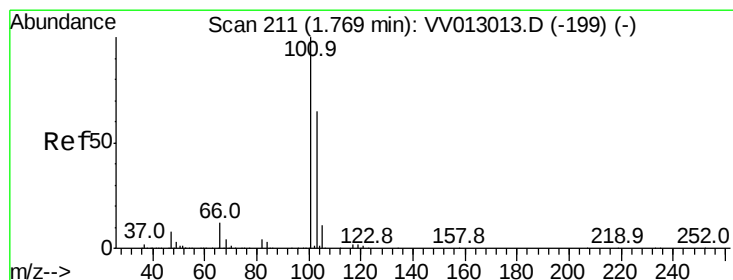
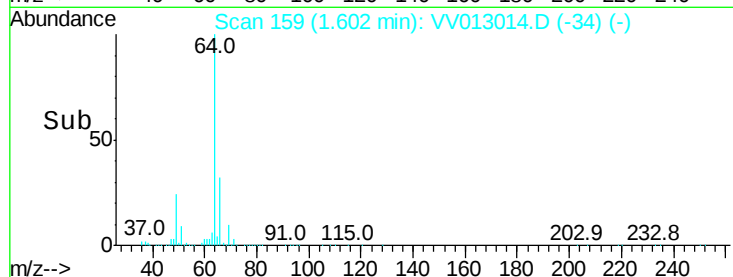
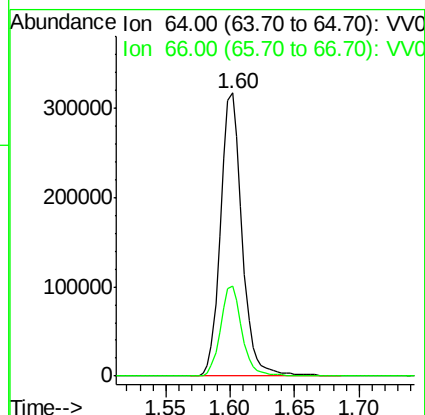
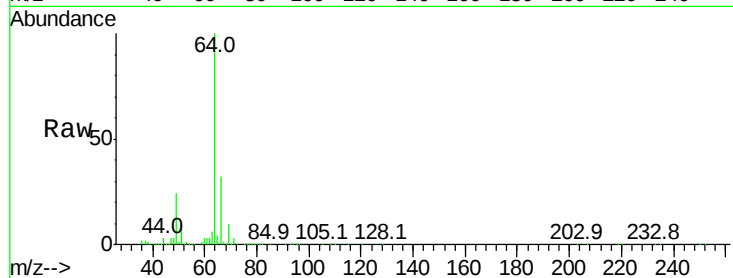
VSTD05065

Tgt Ion: 64 Resp: 366013

Ion Ratio Lower Upper

64 100

66 31.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 49.255 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013014.D

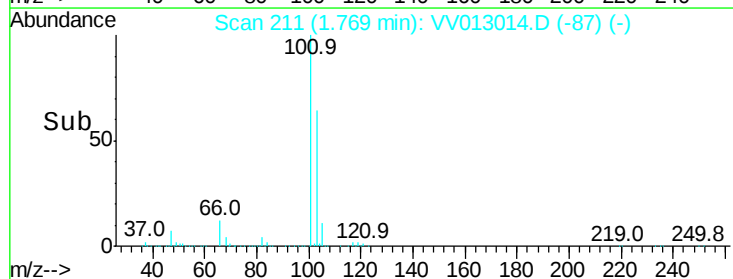
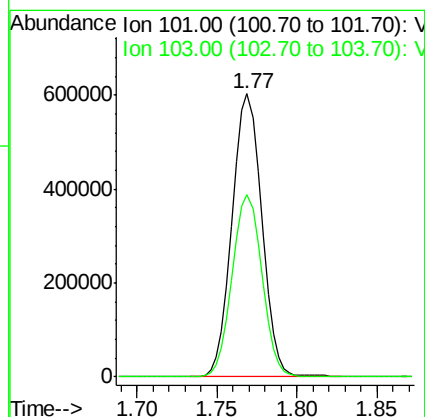
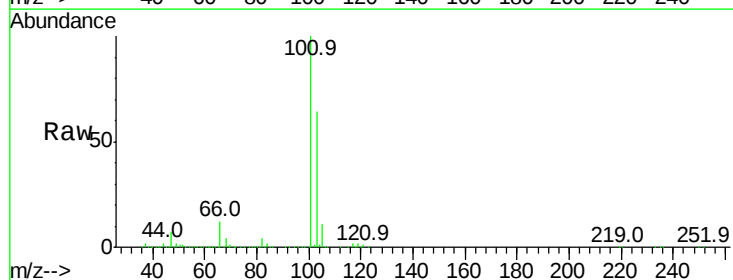
Acq: 30 Sep 2019 12:26

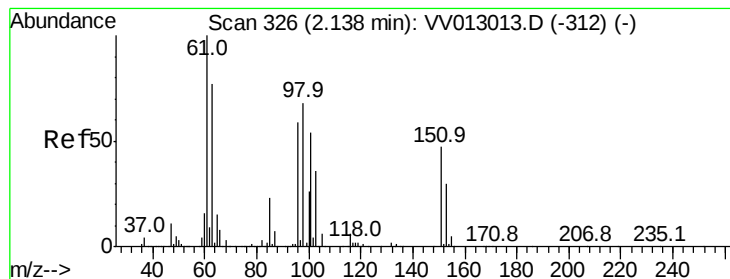
Tgt Ion: 101 Resp: 763288

Ion Ratio Lower Upper

101 100

103 64.5 52.2 78.2





#10

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

Concen: 48.535 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

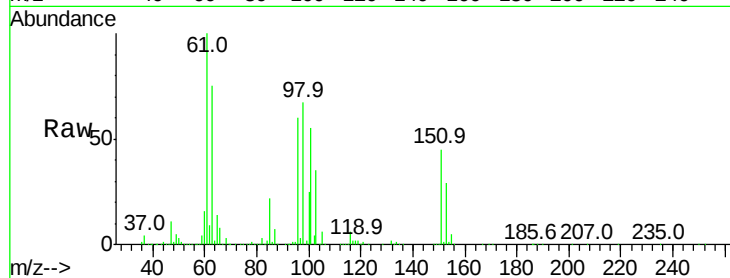
Tgt Ion: 101 Resp: 482094

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

151 82.1 66.9 100.3

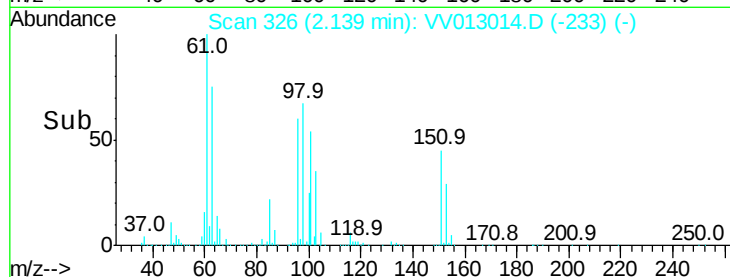


Abundance Ion 101.00 (100.70 to 101.70): VV013013.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013013.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013013.D (-312) (-)

Time-->

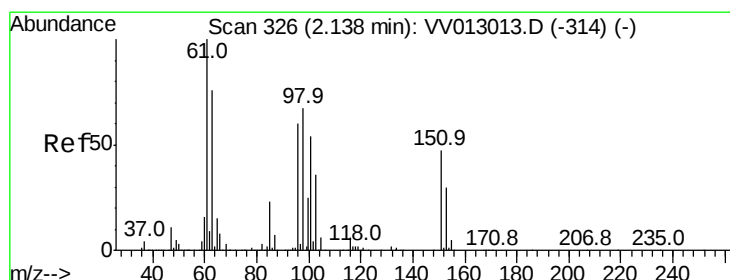


Abundance Ion 101.00 (100.70 to 101.70): VV013014.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV013014.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV013014.D (-233) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 48.365 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

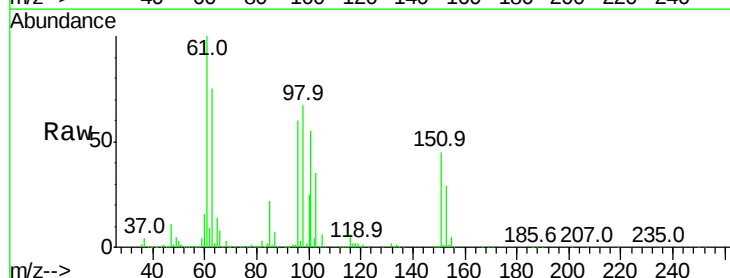
Tgt Ion: 96 Resp: 451208

Ion Ratio Lower Upper

96 100

61 167.2 117.7 218.7

63 125.9 90.4 168.0

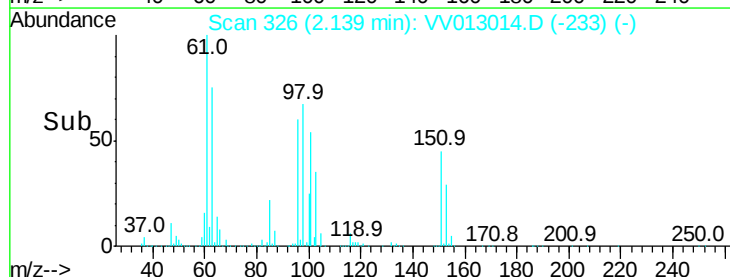


Abundance Ion 96.00 (95.70 to 96.70): VV013013.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV013013.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV013013.D (-314) (-)

Time-->

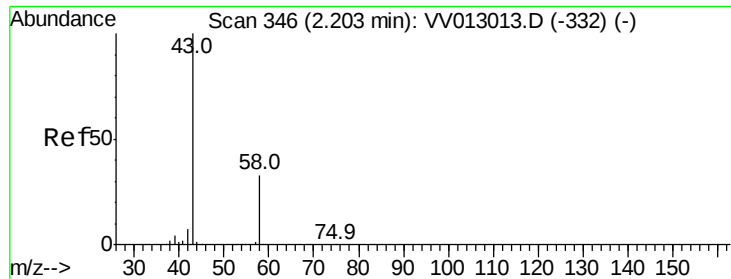


Abundance Ion 96.00 (95.70 to 96.70): VV013014.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VV013014.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013014.D (-233) (-)

Time-->



#13

Acetone

Concen: 89.949 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.01 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

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ClientSampleId :

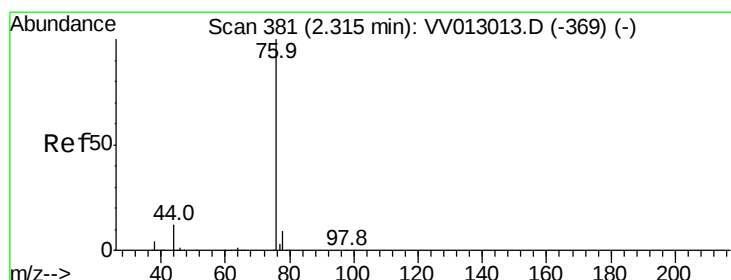
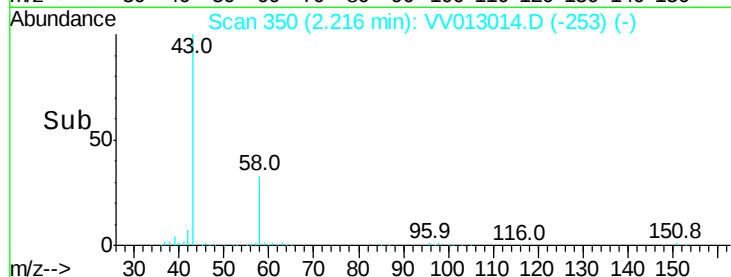
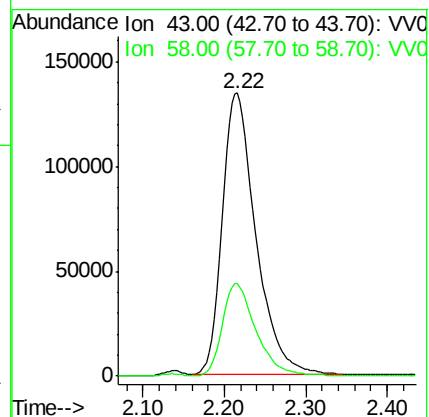
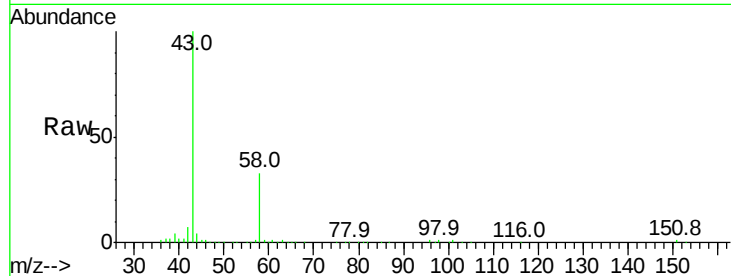
VSTD05065

Tgt Ion: 43 Resp: 389816

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.2



#14

Carbon disulfide

Concen: 50.182 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013014.D

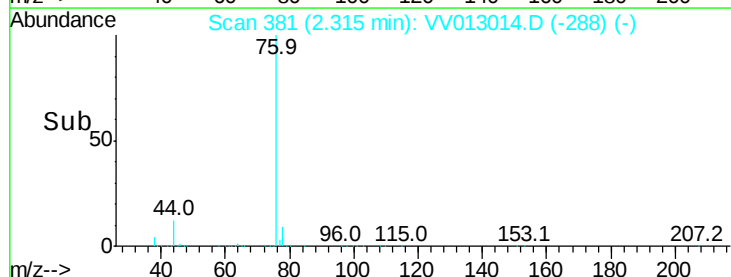
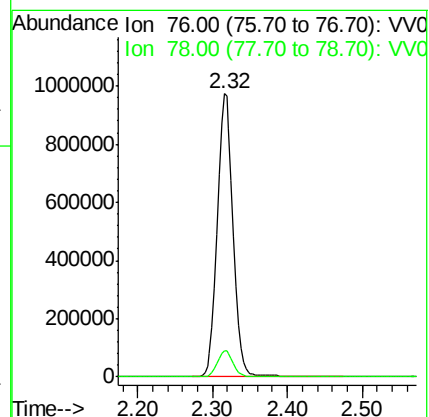
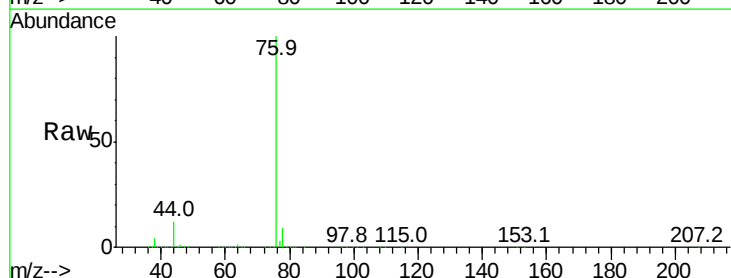
Acq: 30 Sep 2019 12:26

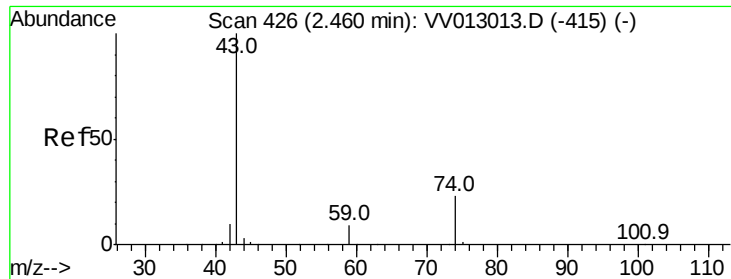
Tgt Ion: 76 Resp: 1436847

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 52.251 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

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ClientSampleId :

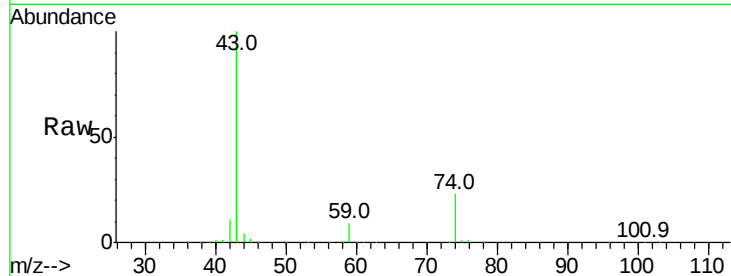
VSTD05065

Tgt Ion: 43 Resp: 349456

Ion Ratio Lower Upper

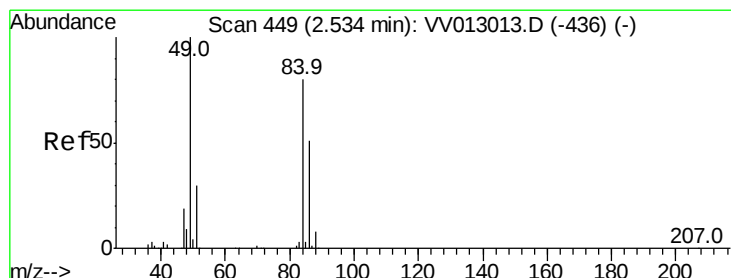
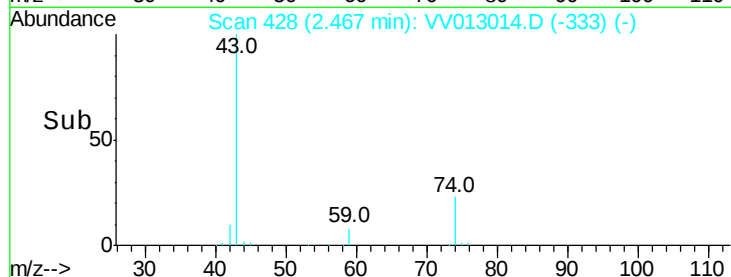
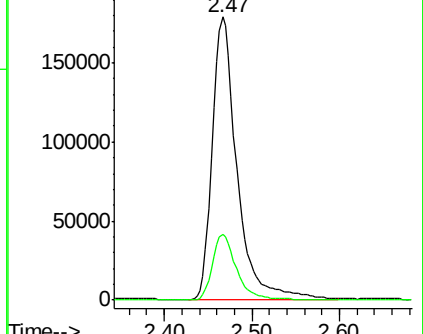
43 100

74 22.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 43.489 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

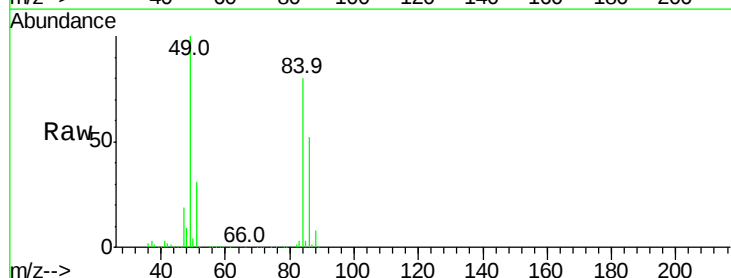
Tgt Ion: 84 Resp: 579820

Ion Ratio Lower Upper

84 100

86 65.6 44.5 82.7

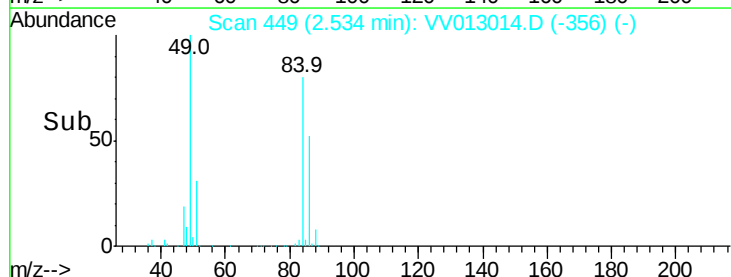
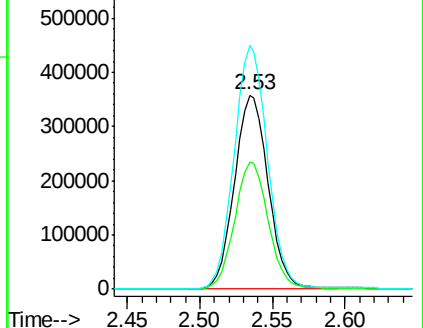
49 125.4 87.5 162.5

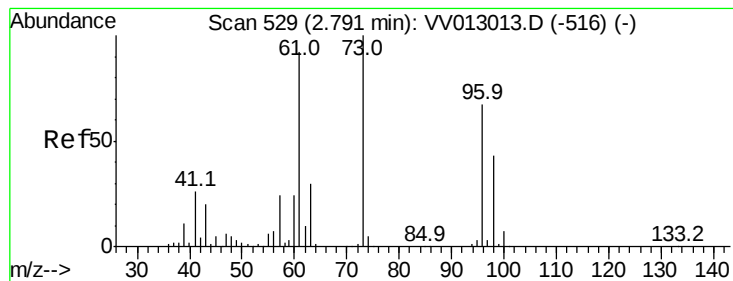


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.646 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

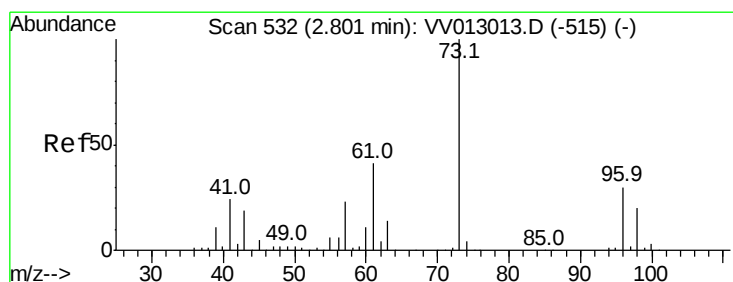
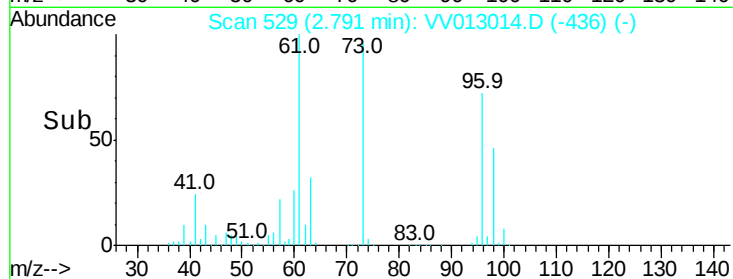
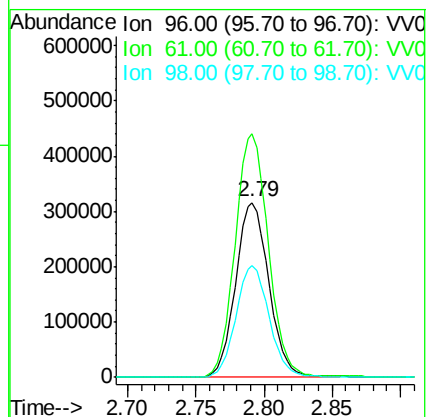
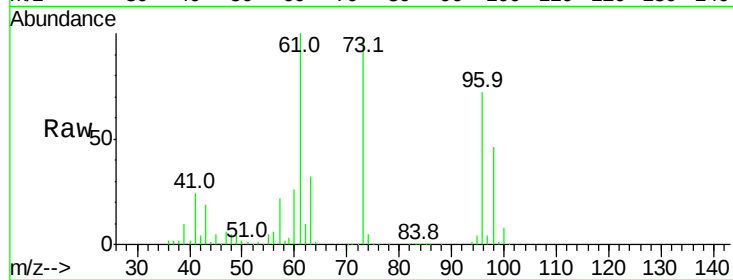
Tgt Ion: 96 Resp: 534985

Ion Ratio Lower Upper

96 100

61 139.2 95.8 177.8

98 64.2 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 51.404 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

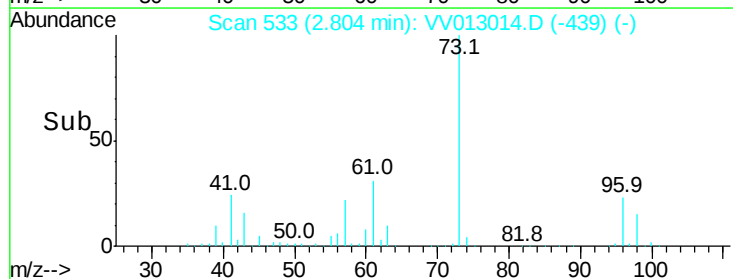
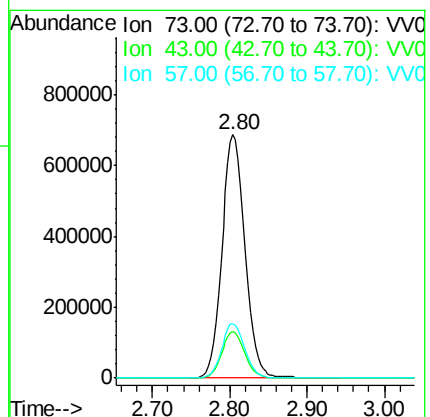
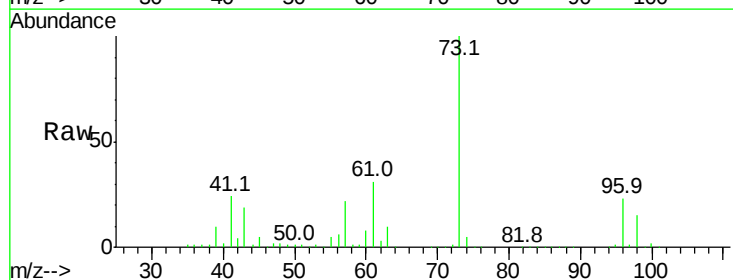
Tgt Ion: 73 Resp: 1422054

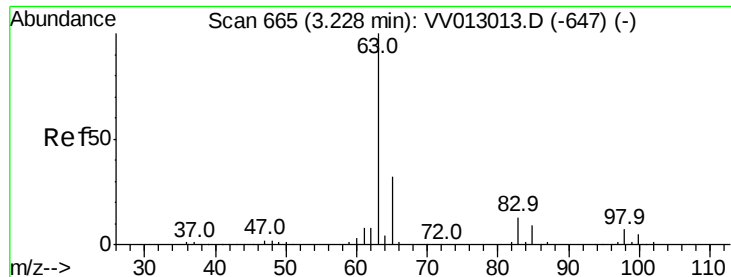
Ion Ratio Lower Upper

73 100

43 18.9 15.1 22.7

57 22.6 18.1 27.1

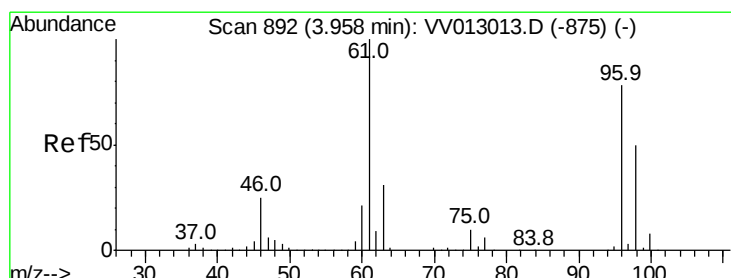
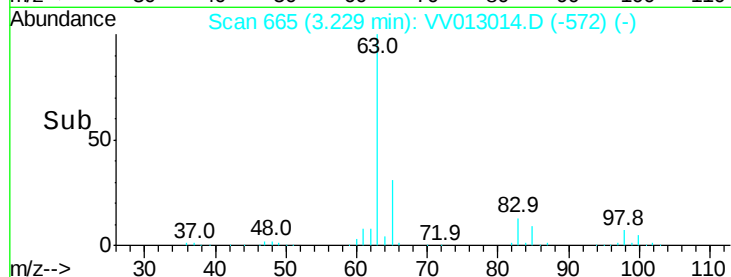
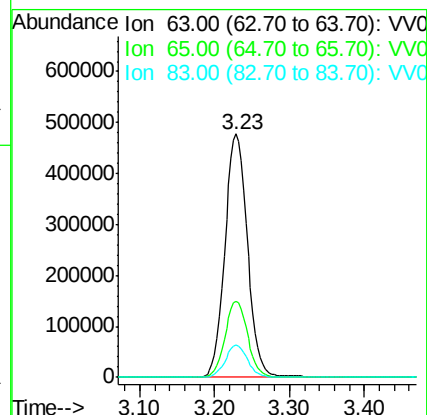
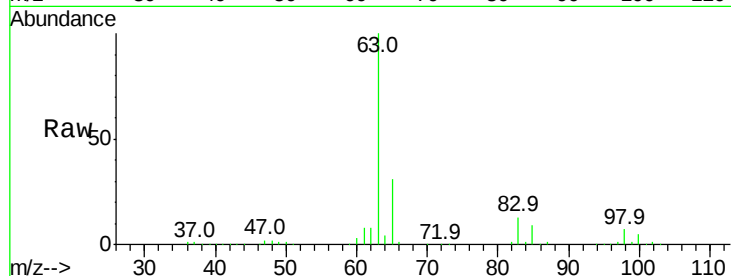




#19
 1,1-Dichloroethane
 Concen: 49.342 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

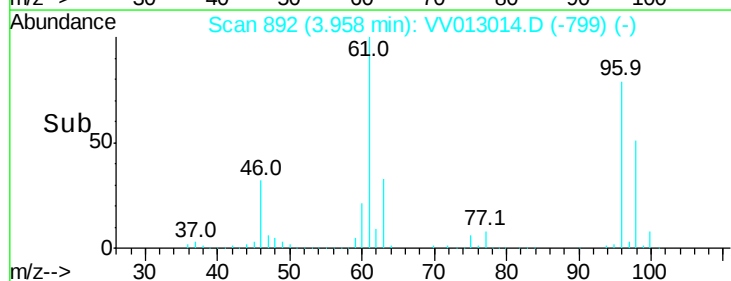
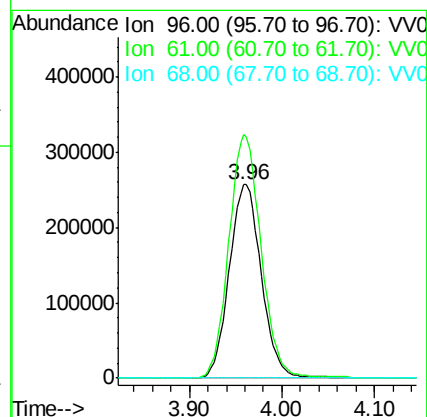
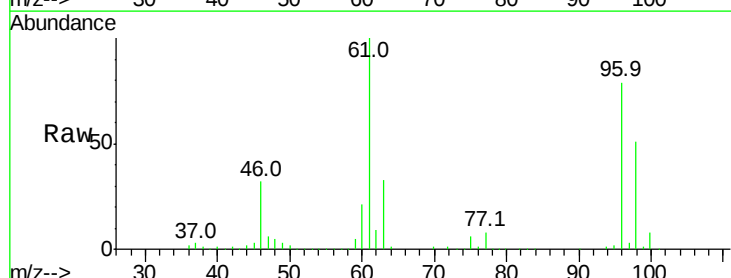
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

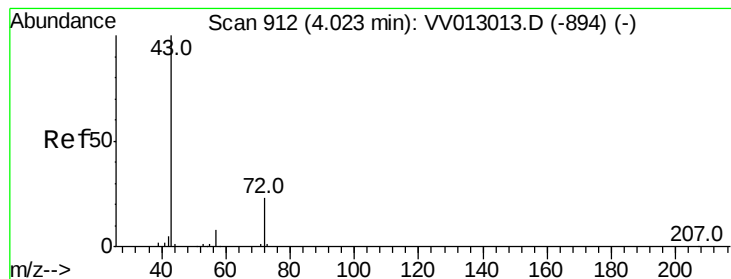
Tgt Ion: 63 Resp: 995891
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.4 41.6
 83 13.4 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 50.324 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion: 96 Resp: 615542
 Ion Ratio Lower Upper
 96 100
 61 125.9 89.5 166.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 133.693 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

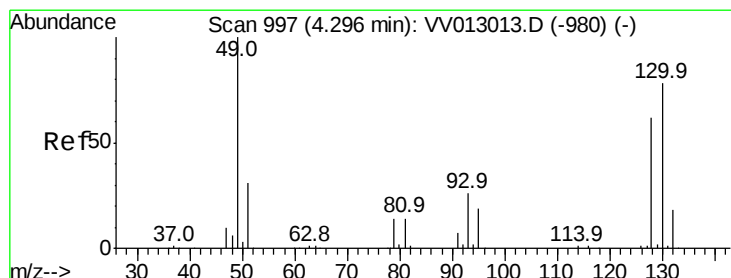
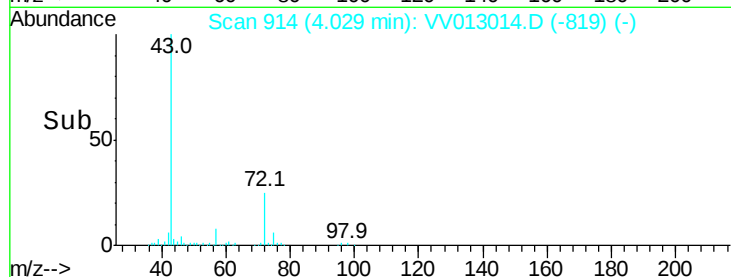
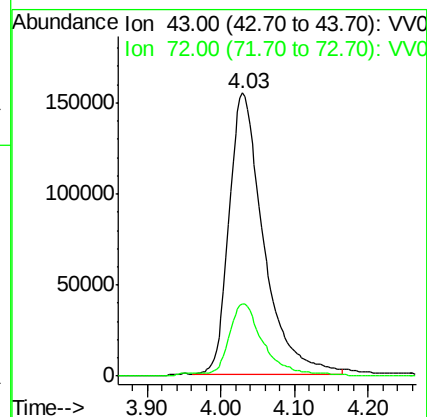
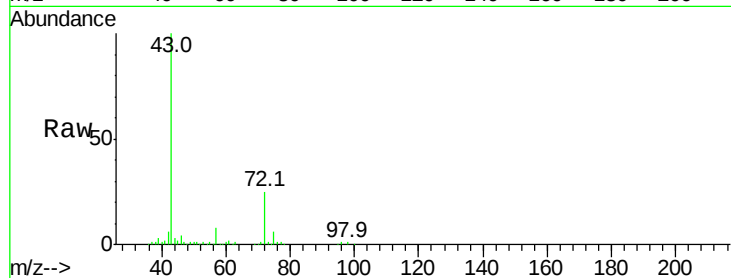
VSTD05065

Tgt Ion: 43 Resp: 501516

Ion Ratio Lower Upper

43 100

72 23.9 12.0 36.1



#23

Bromochloromethane

Concen: 49.586 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Tgt Ion: 128 Resp: 297348

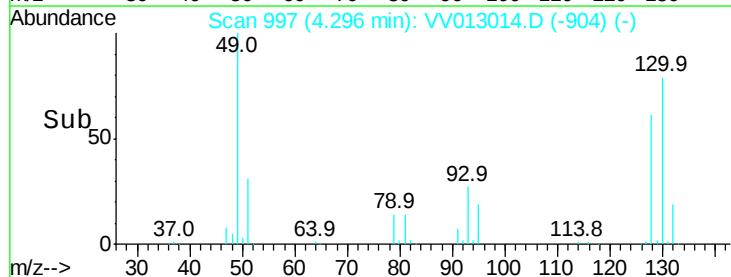
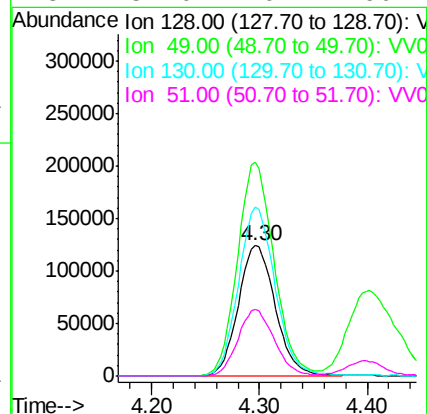
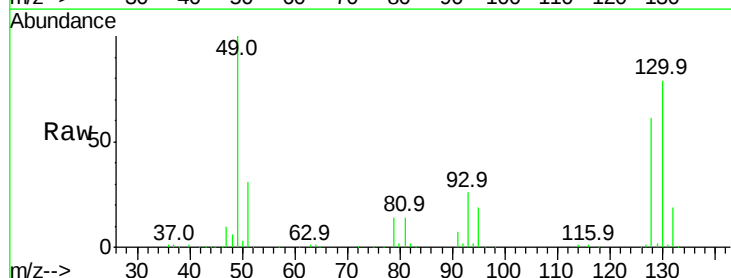
Ion Ratio Lower Upper

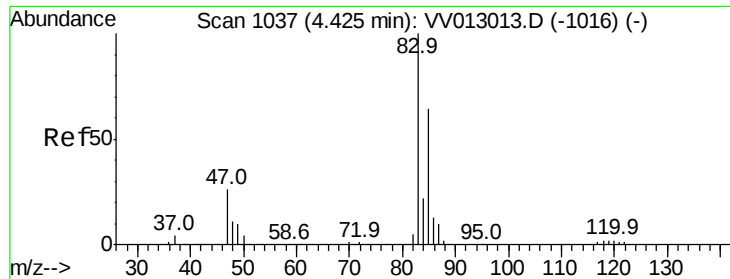
128 100

49 164.1 113.6 211.0

130 129.5 88.0 163.4

51 51.0 40.2 60.2

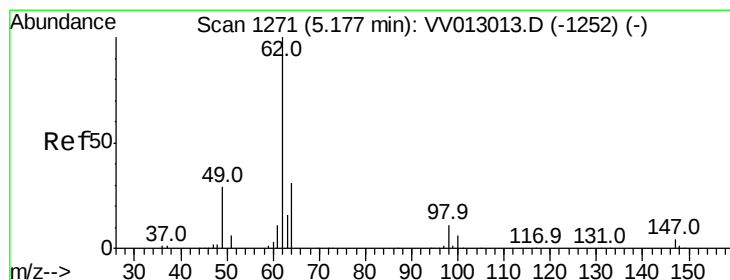
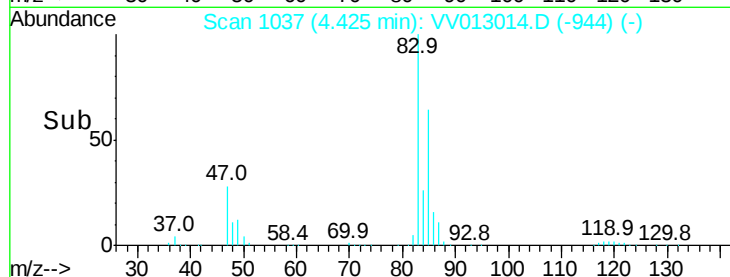
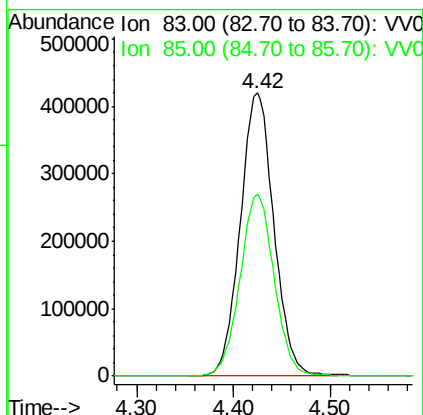
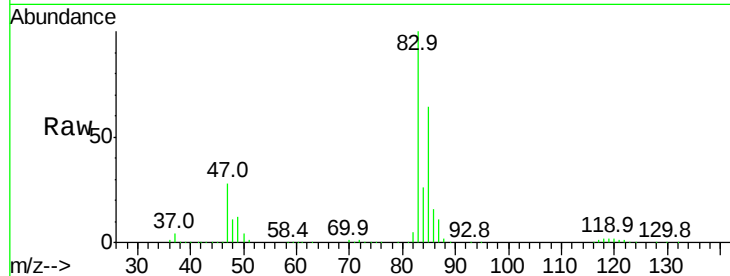




#25
Chloroform
Concen: 48.150 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

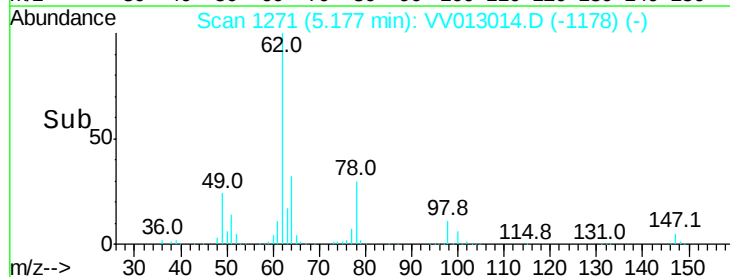
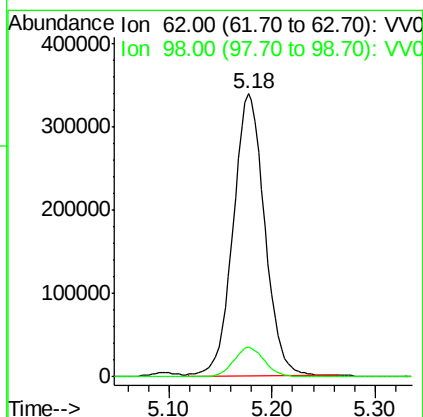
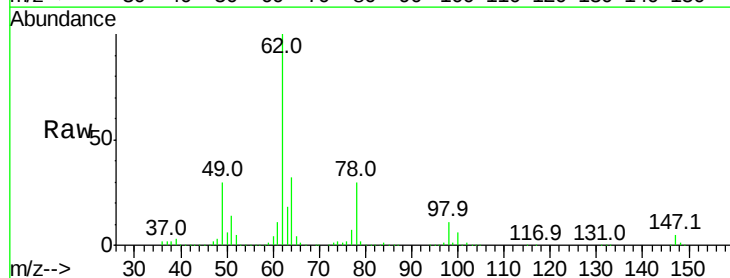
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

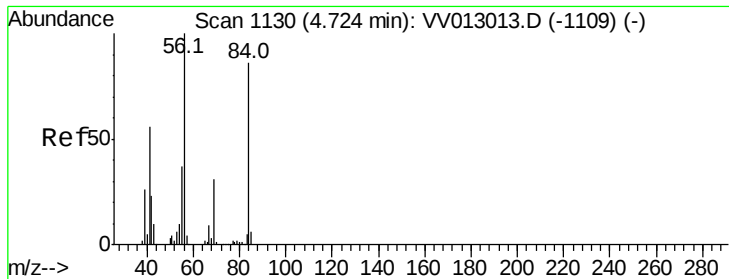
Tgt Ion: 83 Resp: 1013218
Ion Ratio Lower Upper
83 100
85 64.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 49.763 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion: 62 Resp: 719850
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7

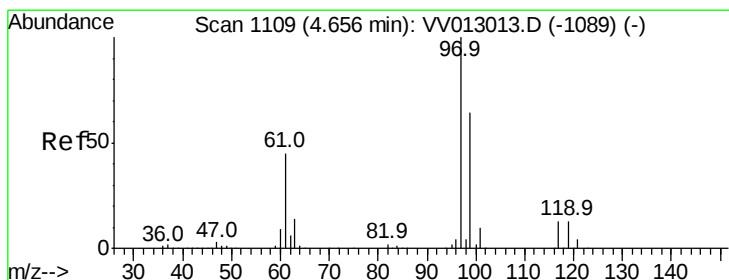
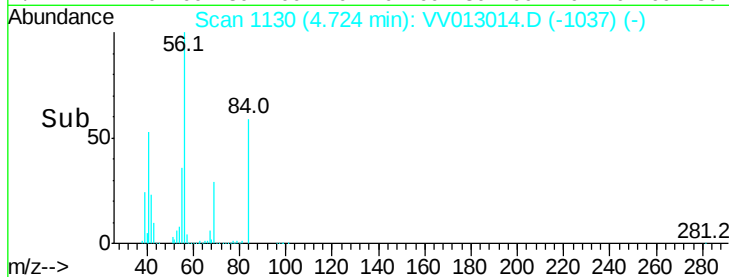
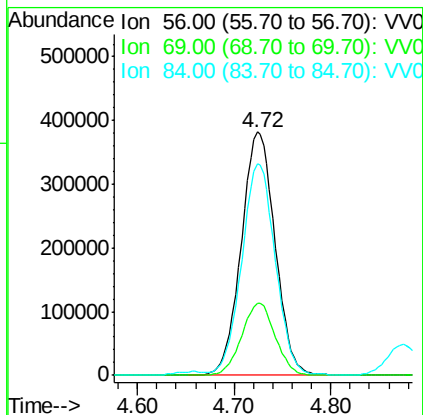
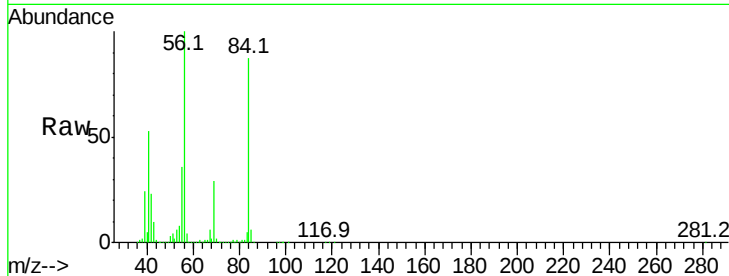




#29
Cyclohexane
Concen: 51.643 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

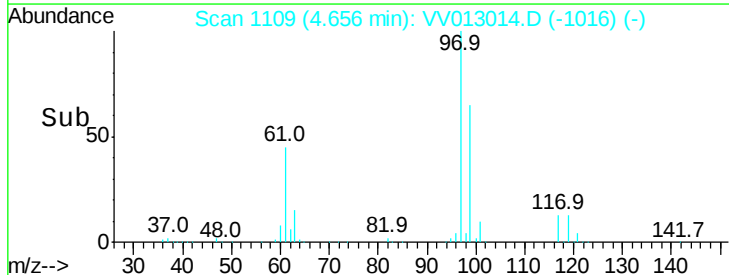
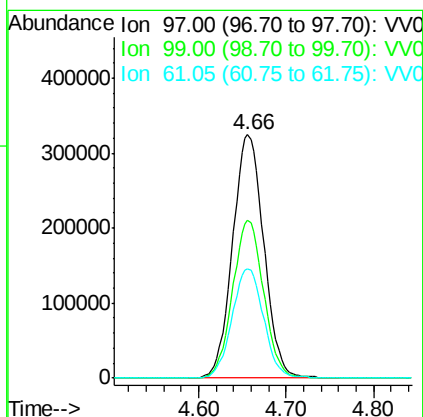
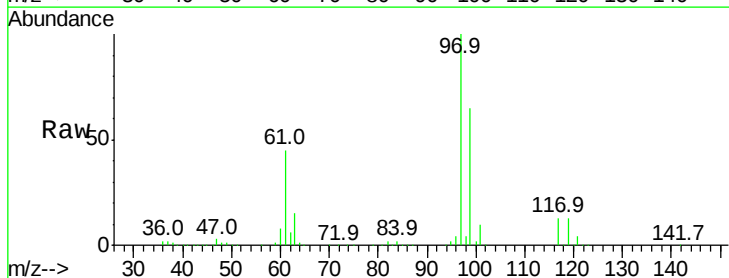
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

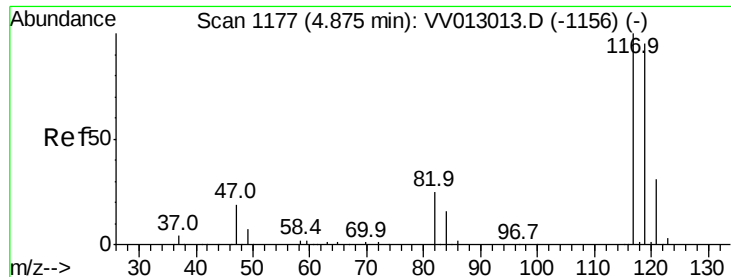
Tgt Ion: 56 Resp: 927663
Ion Ratio Lower Upper
56 100
69 29.5 24.2 36.4
84 85.8 69.6 104.4



#30
1,1,1-Trichloroethane
Concen: 48.257 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion: 97 Resp: 804277
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 45.3 36.1 54.1





#31

Carbon tetrachloride

Concen: 48.204 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

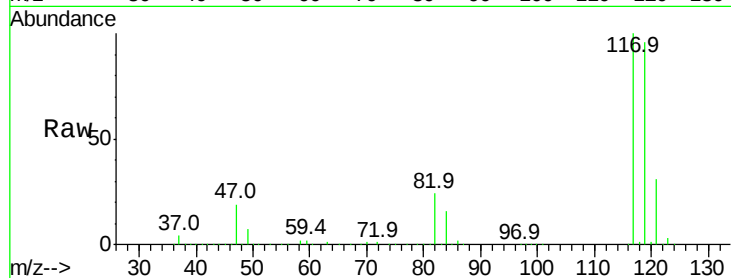
VSTD05065

Tgt Ion:117 Resp: 723199

Ion Ratio Lower Upper

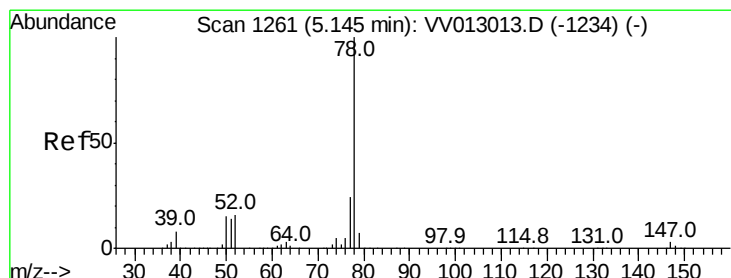
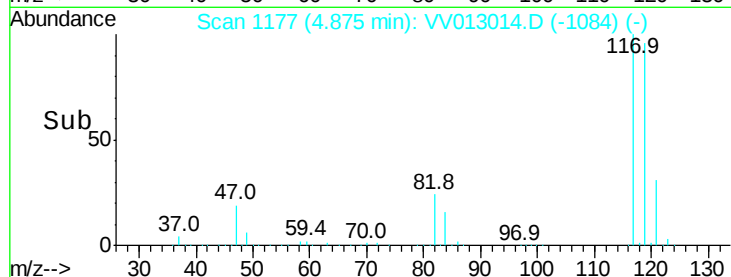
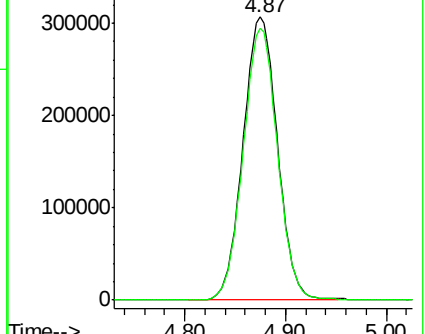
117 100

119 96.0 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: 49.137 ug/L

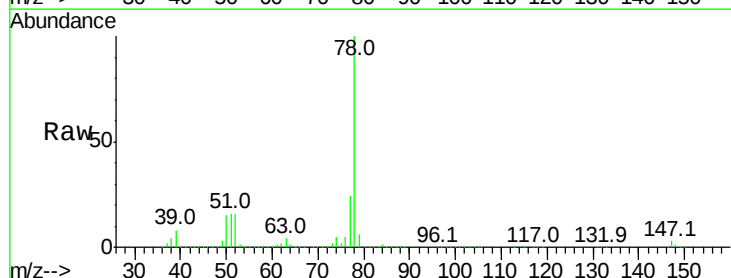
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

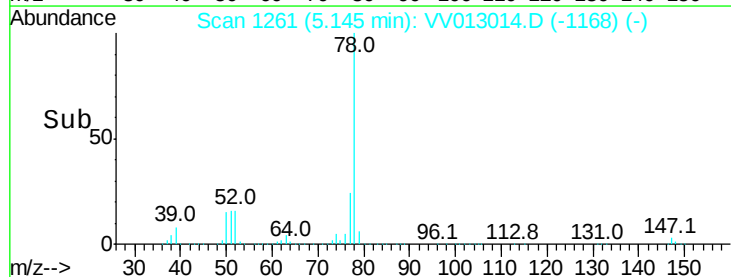
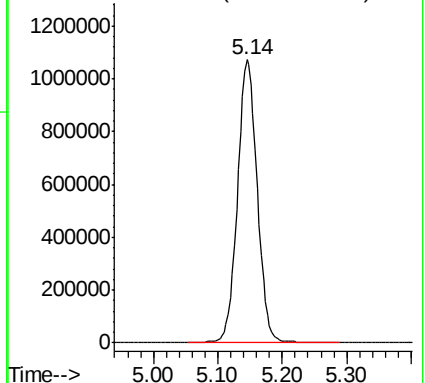
Lab File: VV013014.D

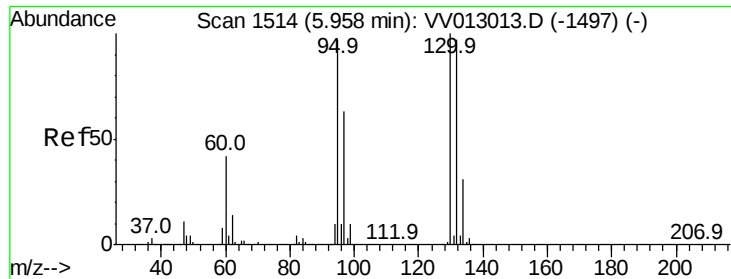
Acq: 30 Sep 2019 12:26

Tgt Ion: 78 Resp: 2292257



Abundance Ion 78.00 (77.70 to 78.70): VV0

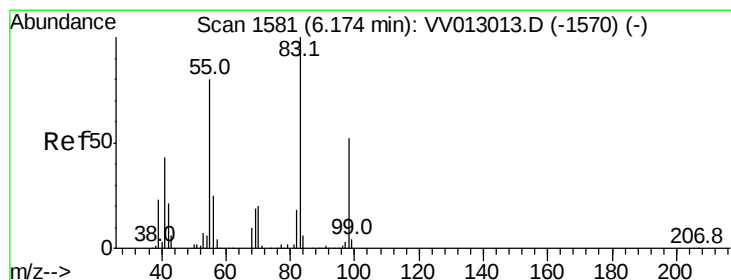
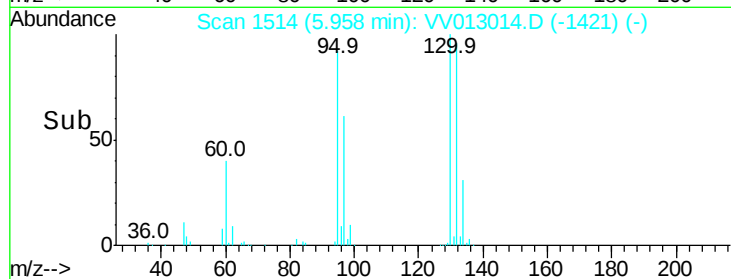
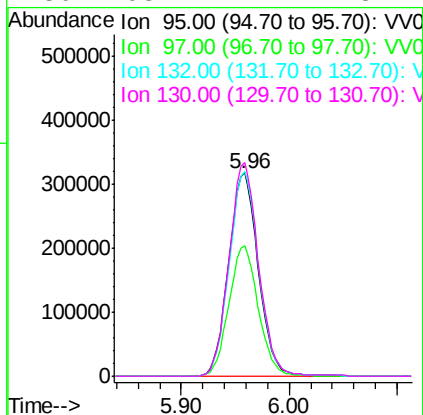
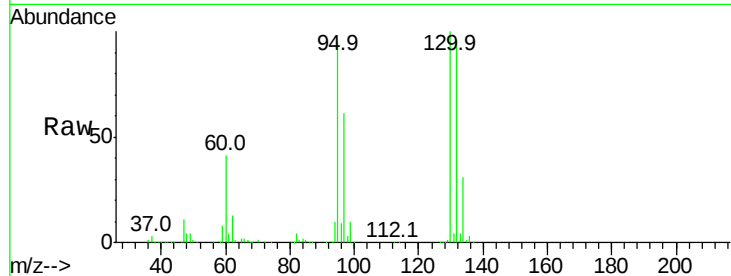




#34
 Trichloroethene
 Concen: 48.203 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

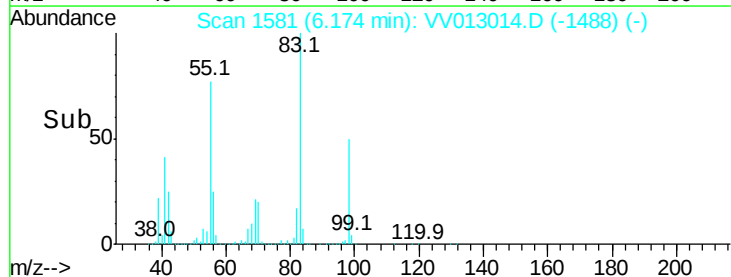
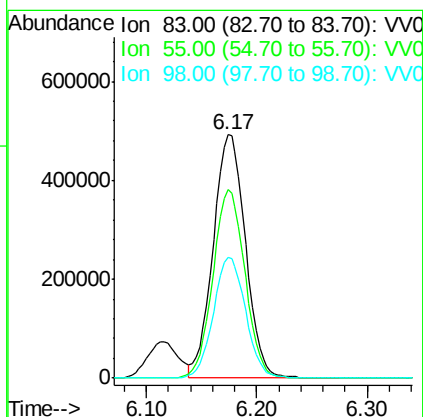
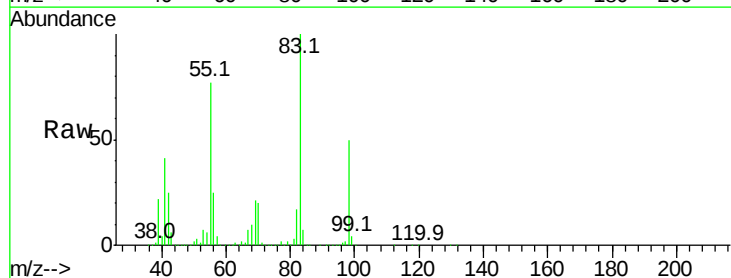
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05065

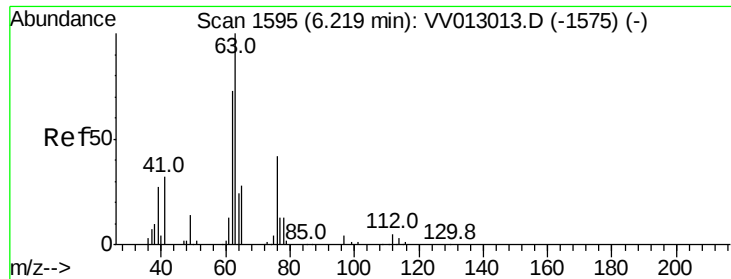
Tgt Ion: 95 Resp: 609174
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.2
 132 100.6 70.1 130.3
 130 105.2 72.4 134.4



#35
 Methylcyclohexane
 Concen: 50.229 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion: 83 Resp: 996323
 Ion Ratio Lower Upper
 83 100
 55 76.6 61.9 92.9
 98 49.6 40.0 60.0

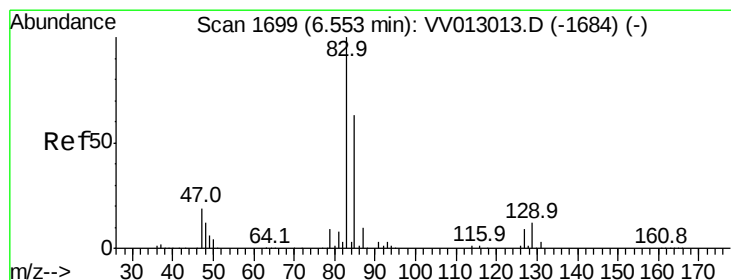
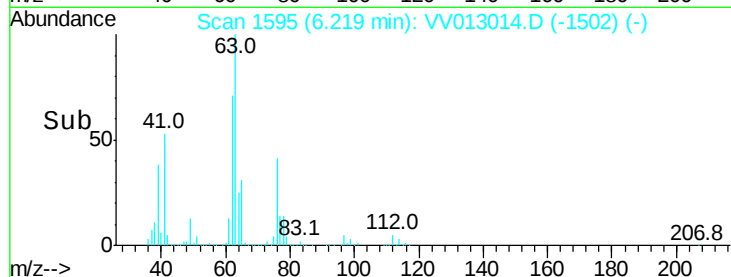
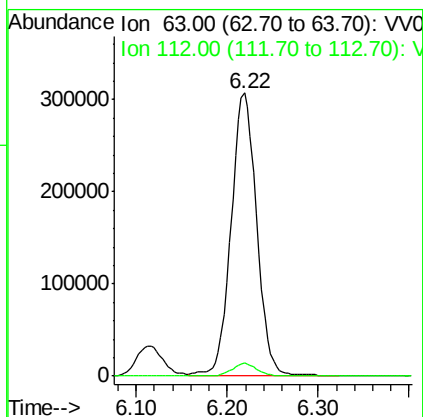
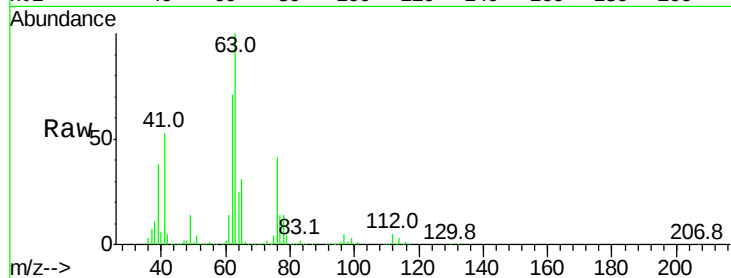




#37
 1,2-Dichloropropane
 Concen: 50.064 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

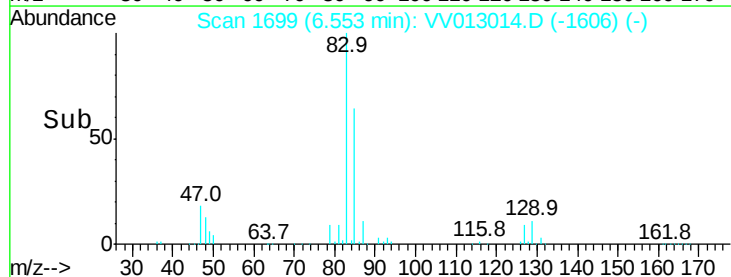
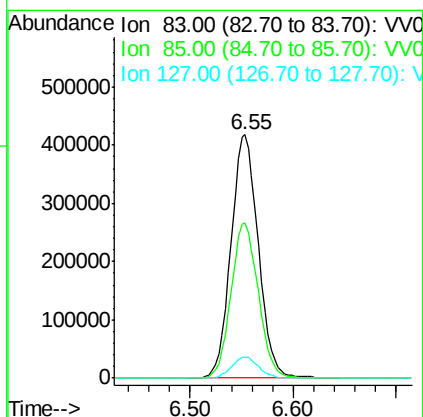
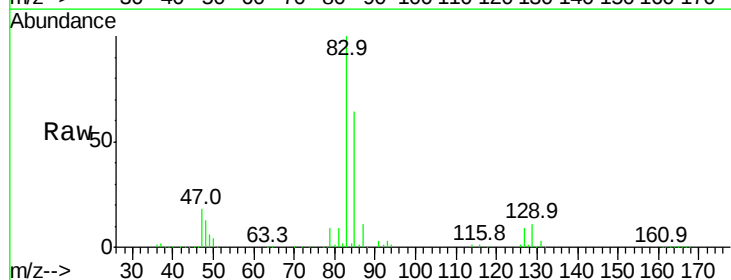
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

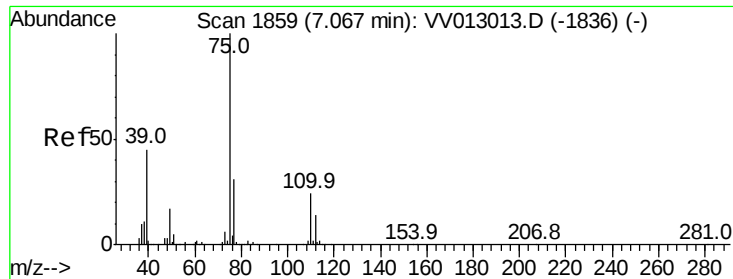
Tgt Ion: 63 Resp: 599261
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 49.297 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion: 83 Resp: 770263
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.9 81.5
 127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 52.193 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

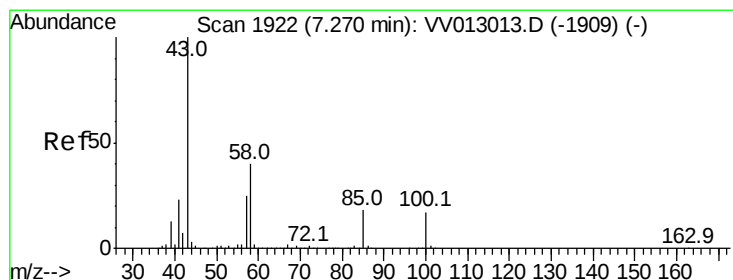
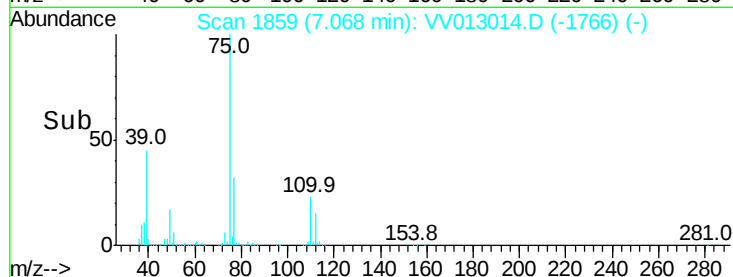
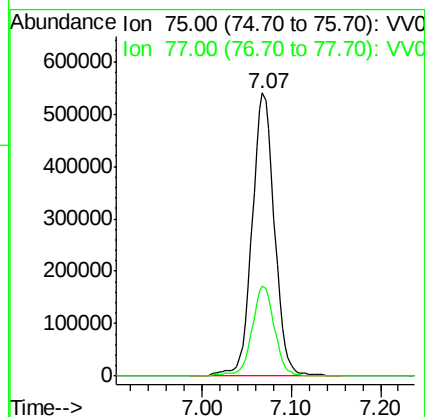
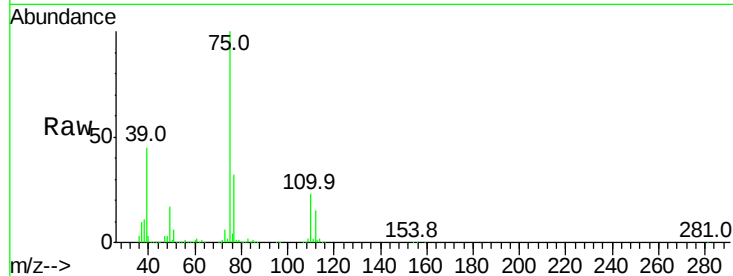
VSTD05065

Tgt Ion: 75 Resp: 940704

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 104.450 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

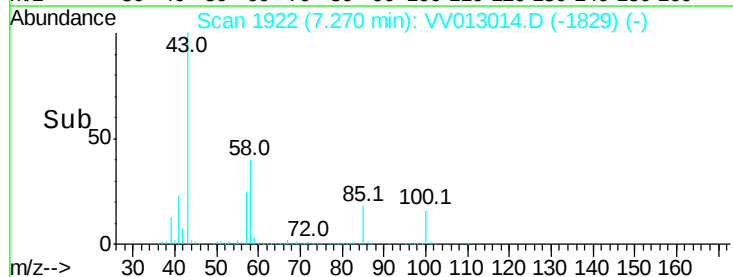
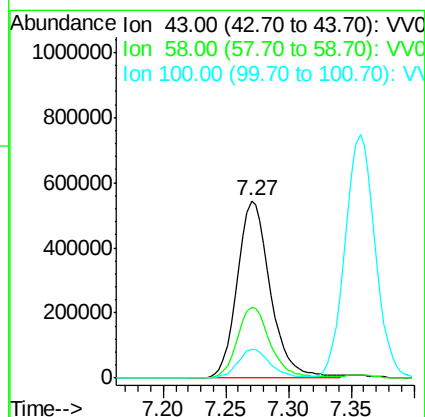
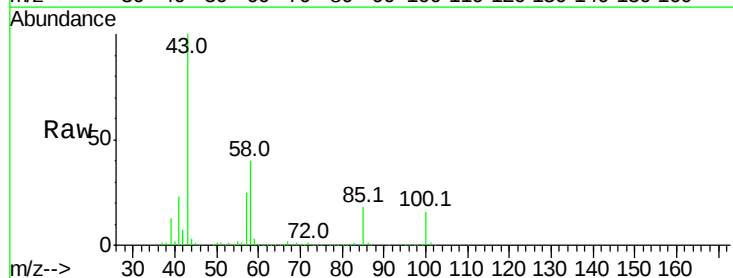
Tgt Ion: 43 Resp: 999236

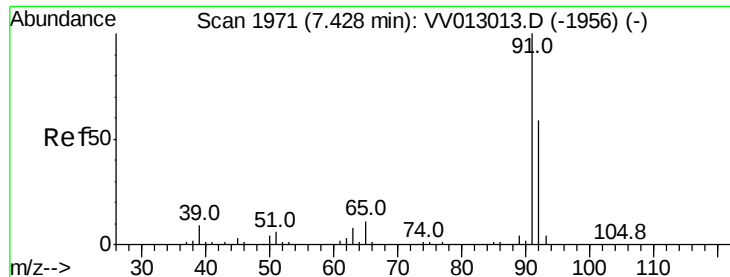
Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.8

100 16.0 12.8 19.2





#42

Toluene

Concen: 50.200 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

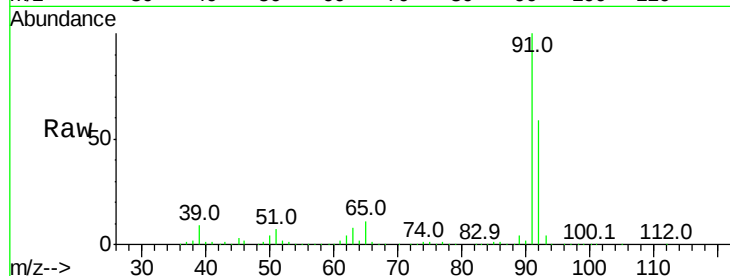
VSTD05065

Tgt Ion: 91 Resp: 2490699

Ion Ratio Lower Upper

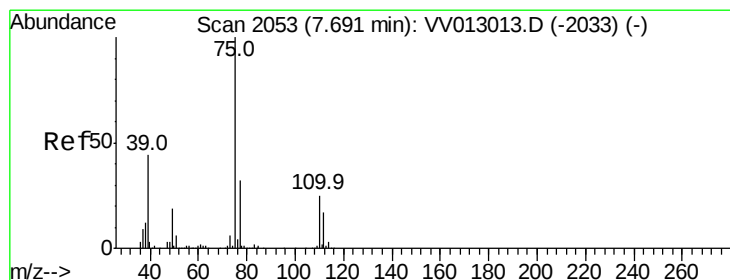
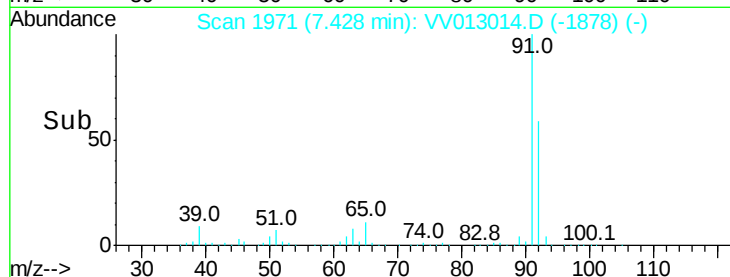
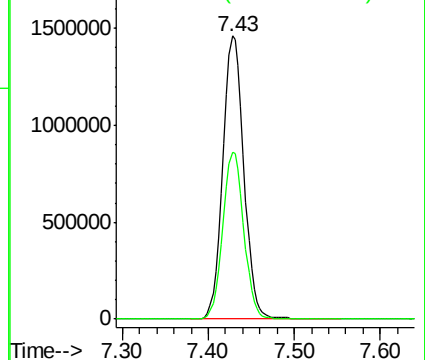
91 100

92 59.2 41.1 76.3



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: 52.838 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013014.D

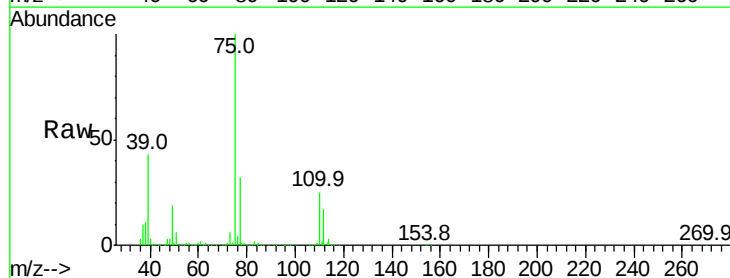
Acq: 30 Sep 2019 12:26

Tgt Ion: 75 Resp: 781939

Ion Ratio Lower Upper

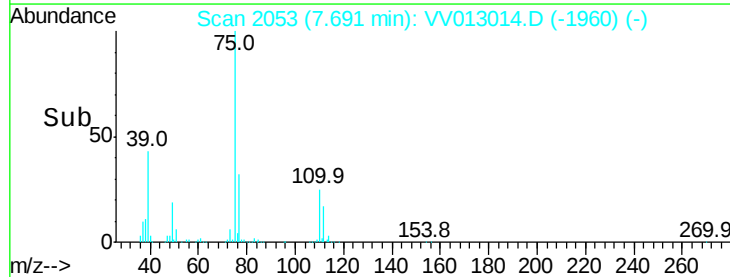
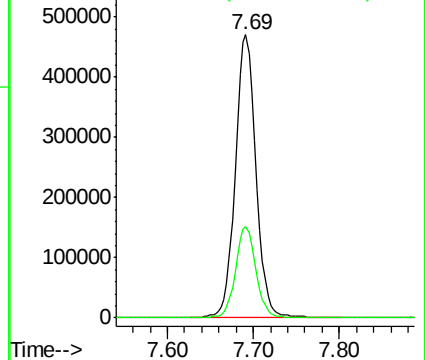
75 100

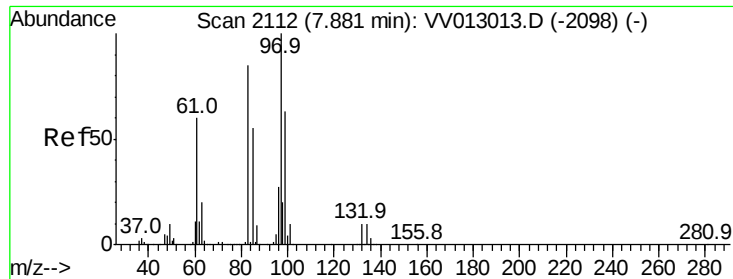
77 32.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

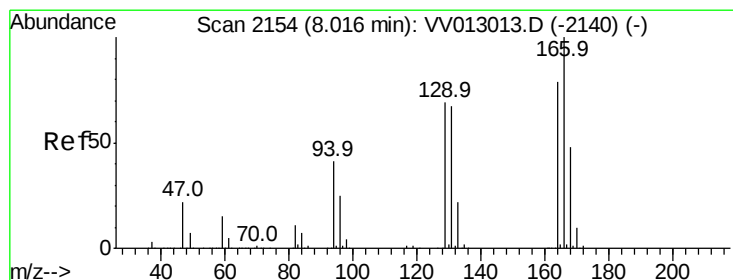
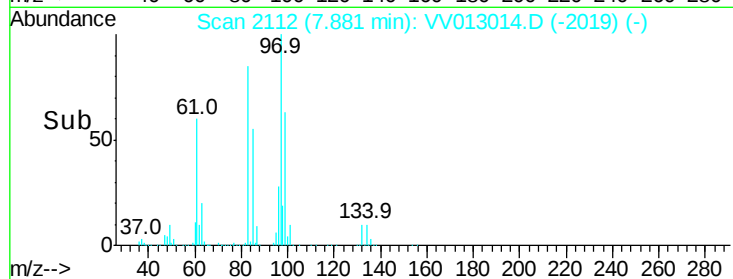
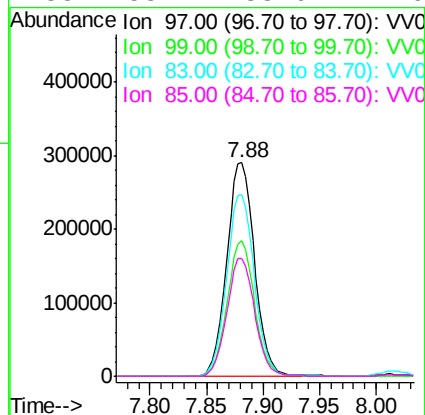
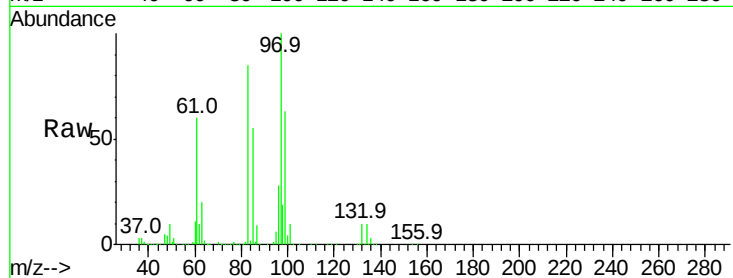




#45
 1,1,2-Trichloroethane
 Concen: 48.877 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

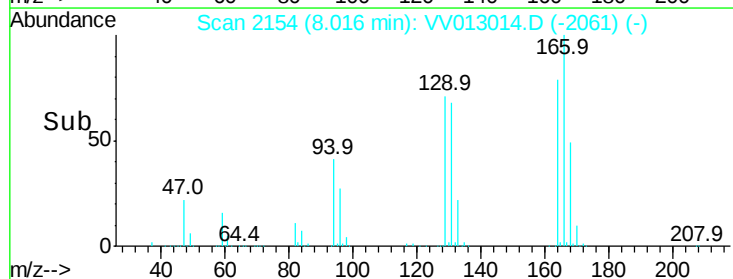
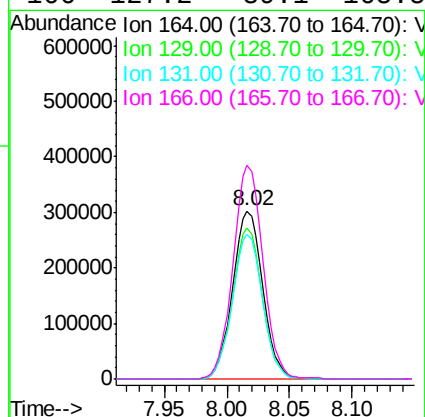
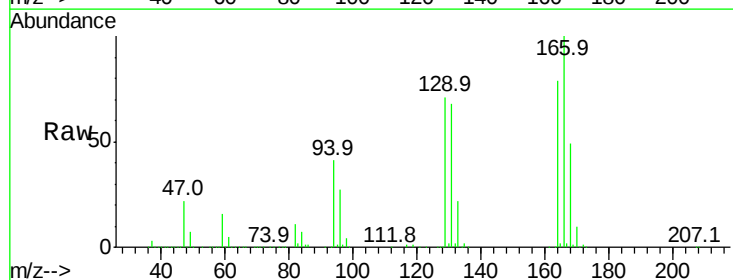
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

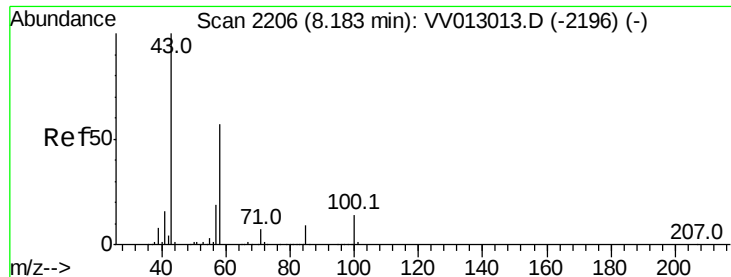
Tgt Ion:	97	Resp:	496302
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.2	82.2
83	85.2	59.7	110.9
85	55.4	38.6	71.6



#46
 Tetrachloroethene
 Concen: 48.174 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion:	164	Resp:	503729
Ion	Ratio	Lower	Upper
164	100		
129	90.1	61.2	113.6
131	86.1	59.9	111.3
166	127.2	89.1	165.5

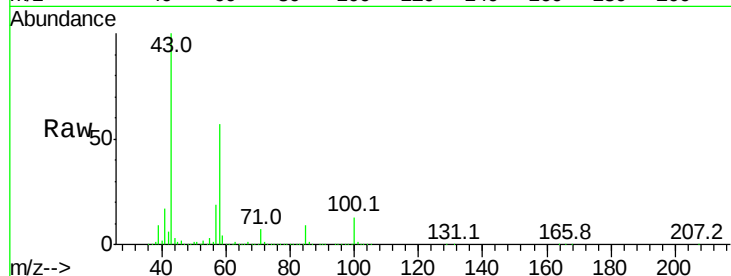




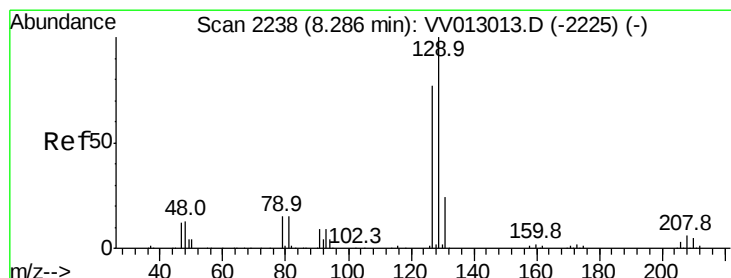
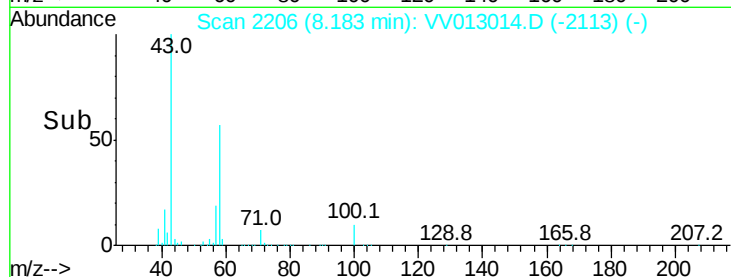
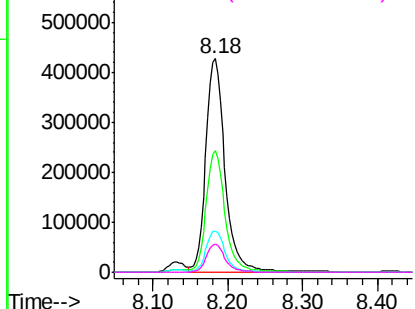
#48
2-Hexanone
Concen: 109.981 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 43 Resp: 766123
Ion Ratio Lower Upper
43 100
58 55.3 44.9 67.3
57 18.8 15.2 22.8
100 12.7 10.5 15.7

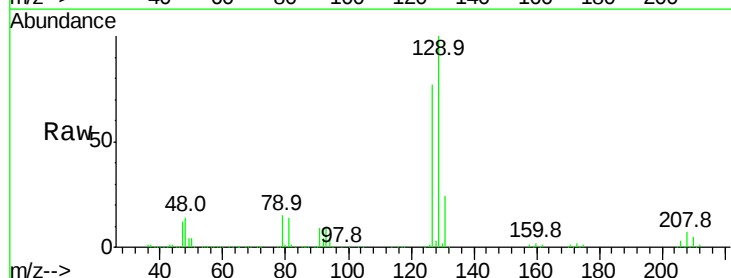


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

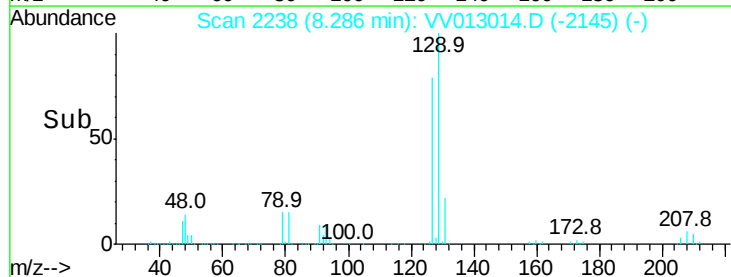
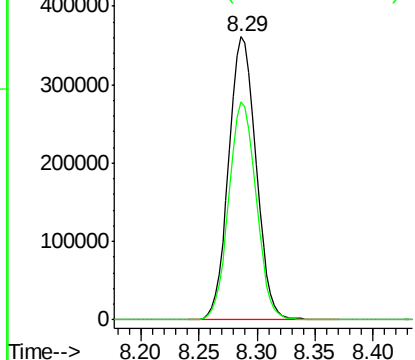


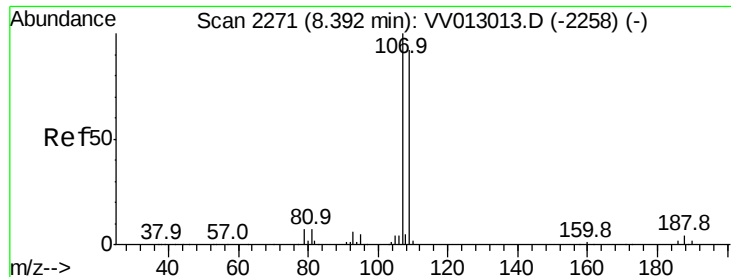
#49
Dibromochloromethane
Concen: 51.189 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion: 129 Resp: 592699
Ion Ratio Lower Upper
129 100
127 77.1 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

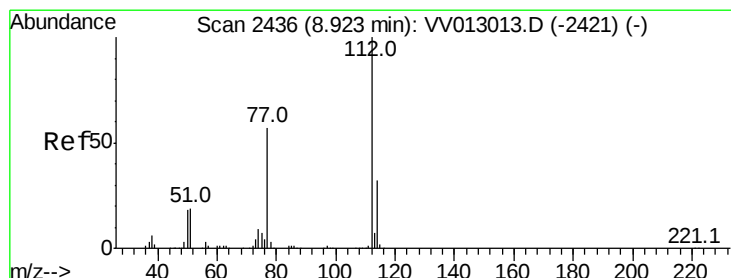
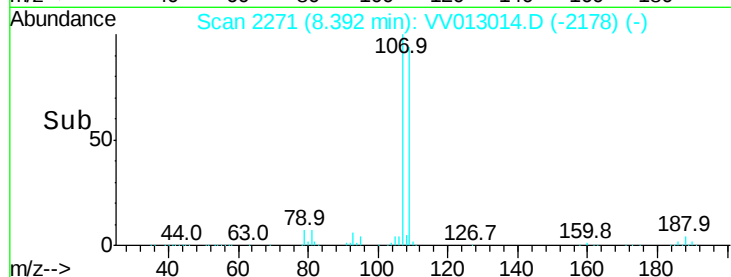
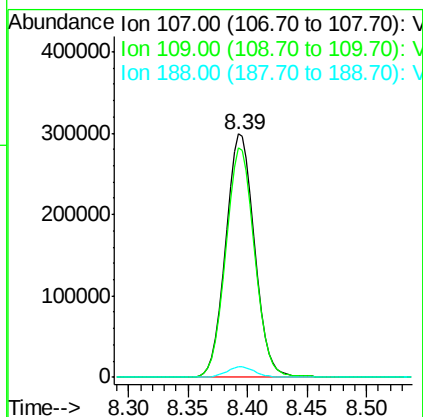
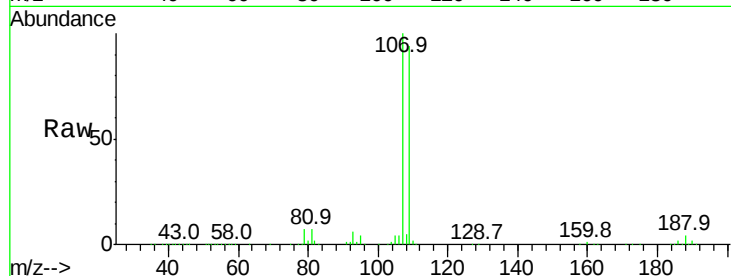




#50
1,2-Dibromoethane
Concen: 49.999 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

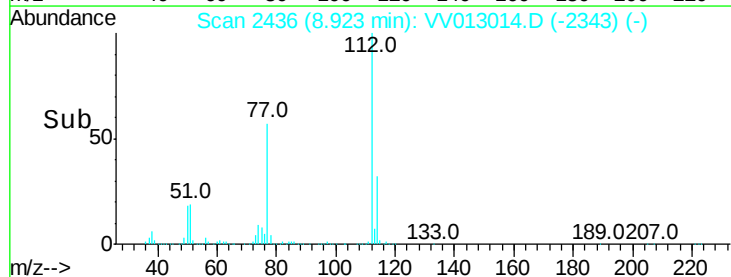
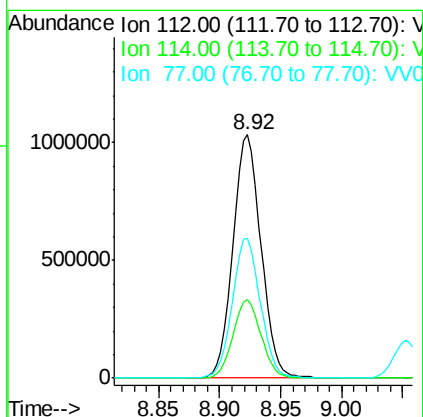
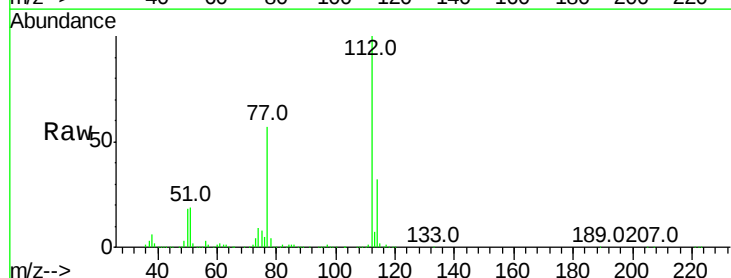
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

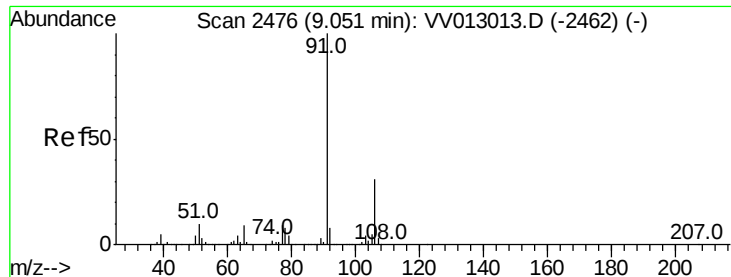
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	64.7	120.1
188	4.2	3.7	5.5



#51
Chlorobenzene
Concen: 49.205 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	57.5	45.9	68.9





#52

Ethylbenzene

Concen: 51.279 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

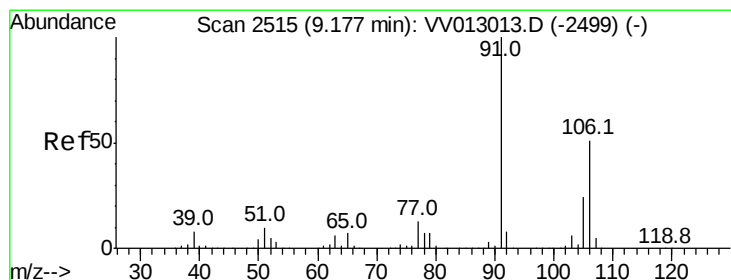
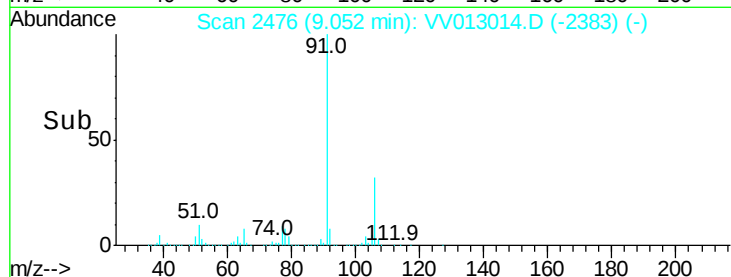
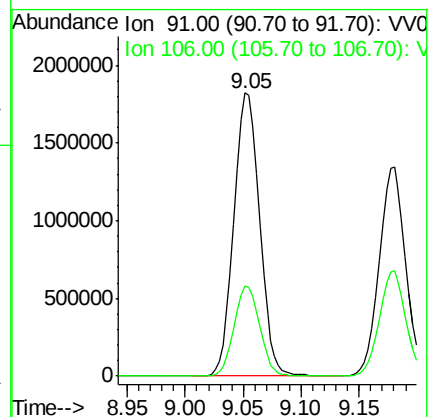
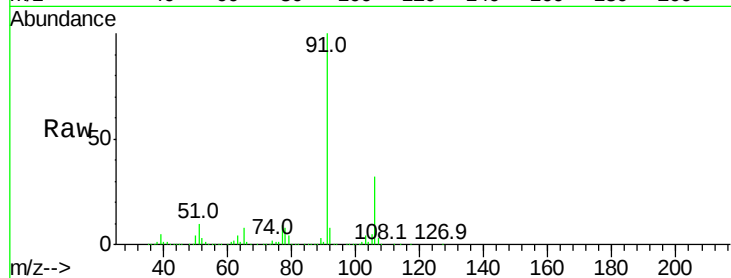
VSTD05065

Tgt Ion: 91 Resp: 2794979

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



#53

m,p-Xylene

Concen: 51.874 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013014.D

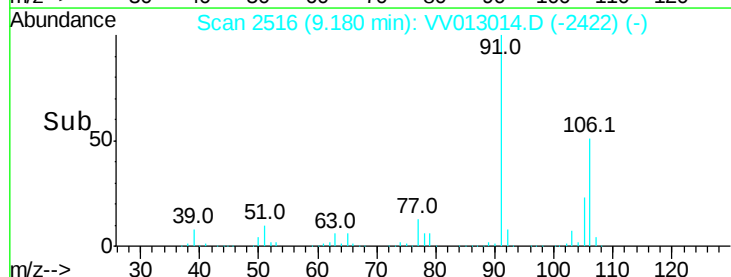
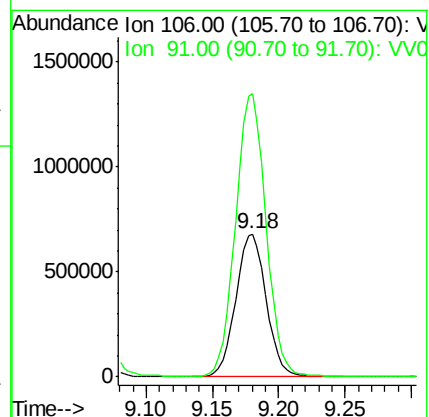
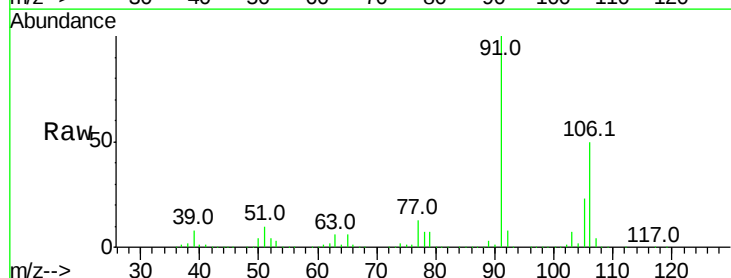
Acq: 30 Sep 2019 12:26

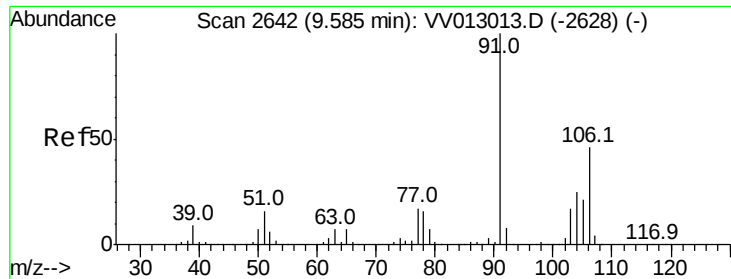
Tgt Ion: 106 Resp: 1080783

Ion Ratio Lower Upper

106 100

91 198.0 138.0 256.2

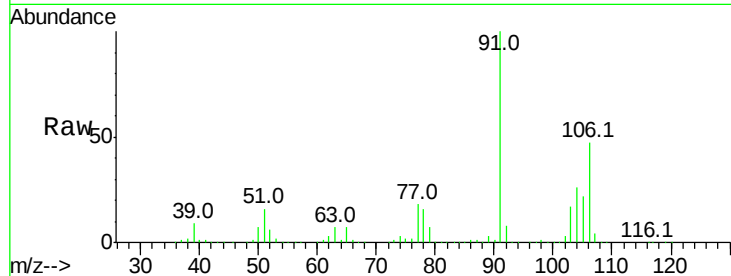




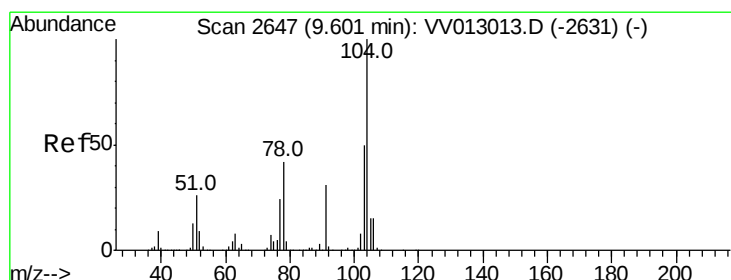
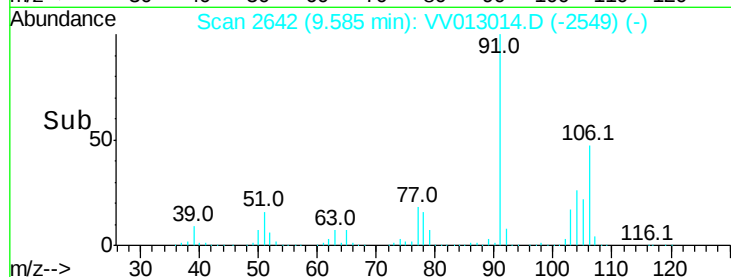
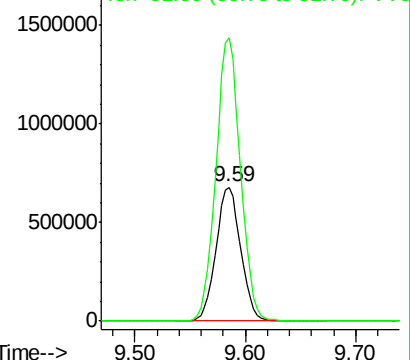
#54
o-Xylene
Concen: 52.972 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:106 Resp: 1055910
Ion Ratio Lower Upper
106 100
91 210.8 150.8 280.1

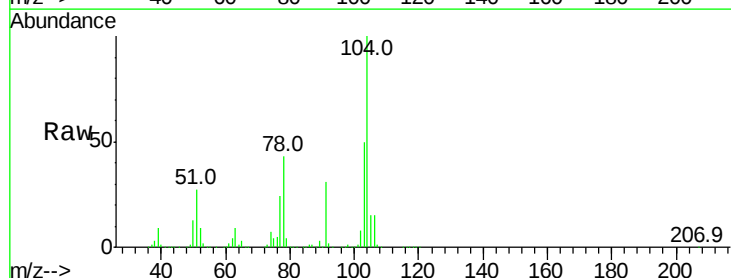


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

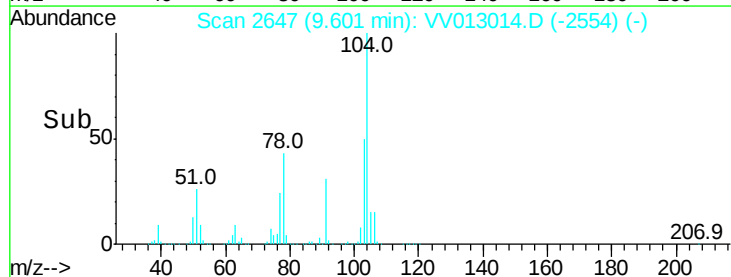
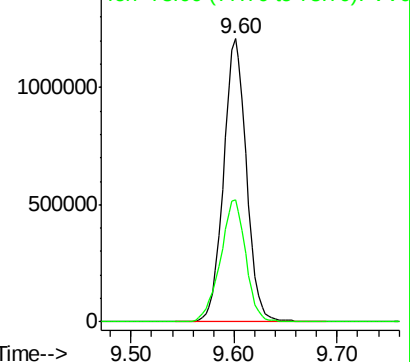


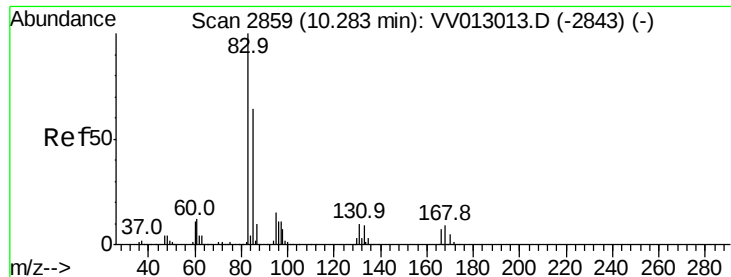
#55
Styrene
Concen: 53.559 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion:104 Resp: 1869113
Ion Ratio Lower Upper
104 100
78 43.0 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: 50.701 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

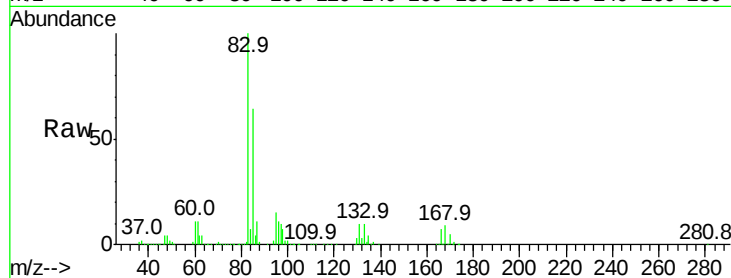
Tgt Ion: 83 Resp: 627735

Ion Ratio Lower Upper

83 100

85 63.8 44.5 82.7

131 10.0 8.2 12.2

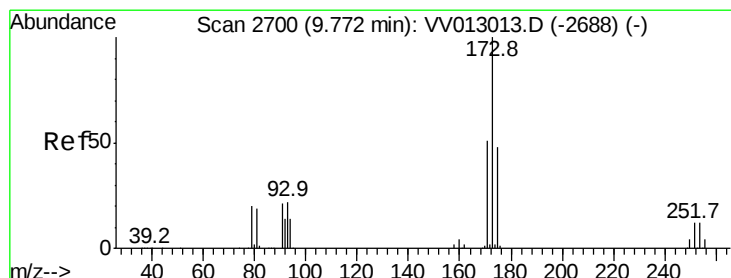
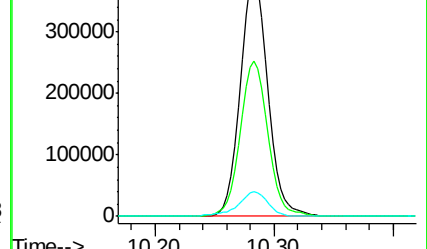
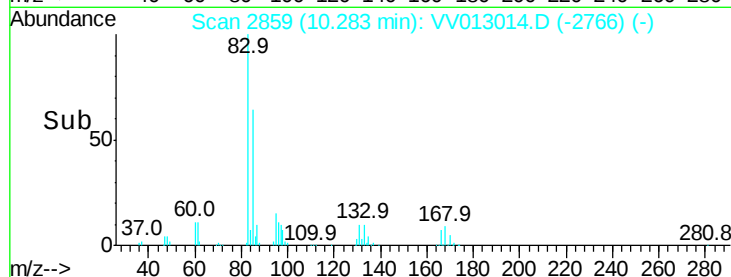


Abundance Ion 83.00 (82.70 to 83.70): VV013013.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV013013.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV013013.D (-2843) (-)

Time-->



#59

Bromoform

Concen: 50.964 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

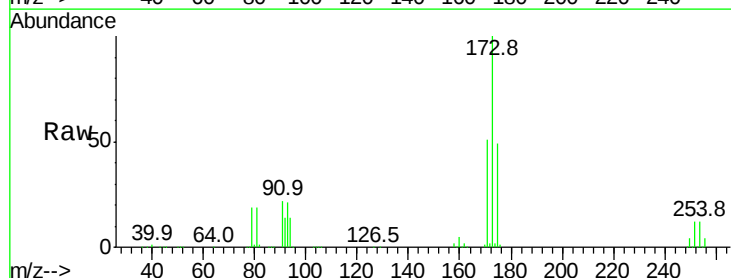
Tgt Ion: 173 Resp: 387830

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

254 12.1 9.4 14.0

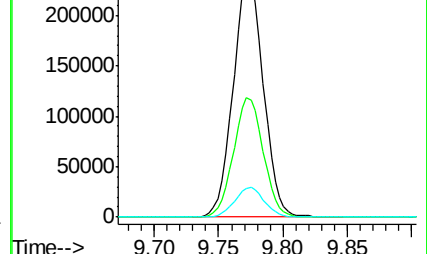
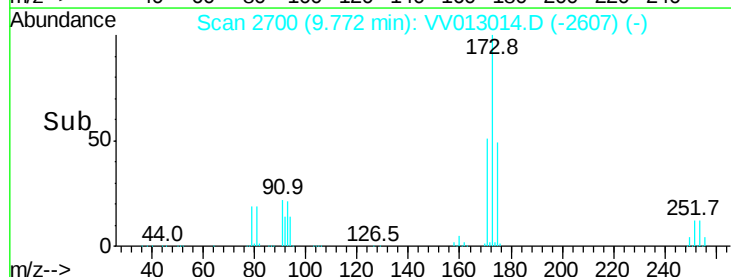


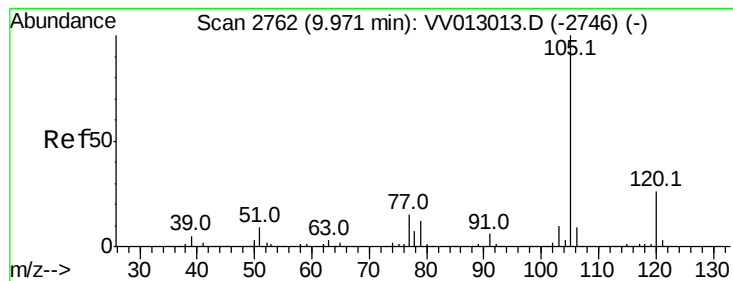
Abundance Ion 173.00 (172.70 to 173.70): VV013013.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV013013.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV013013.D (-2688) (-)

Time-->





#60

Isopropylbenzene

Concen: 51.839 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

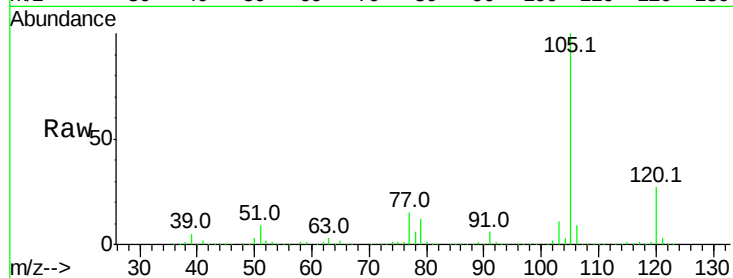
Tgt Ion:105 Resp: 2775734

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

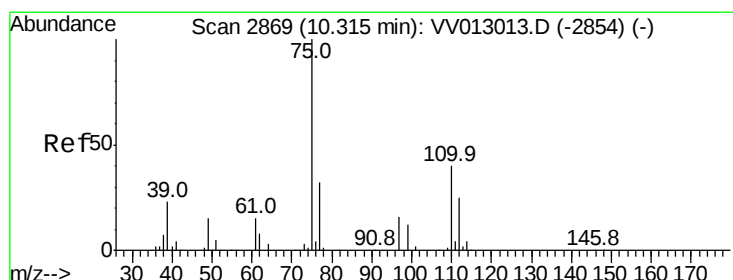
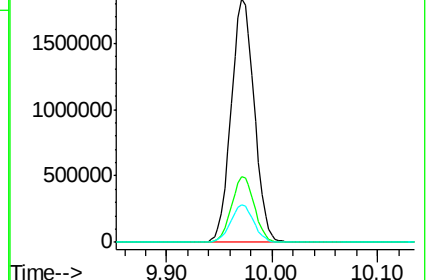
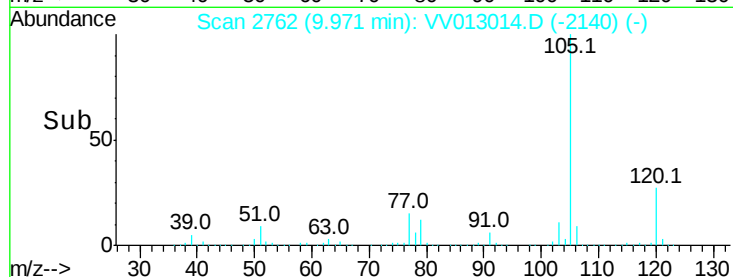
77 15.2 12.3 18.5



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: 48.635 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

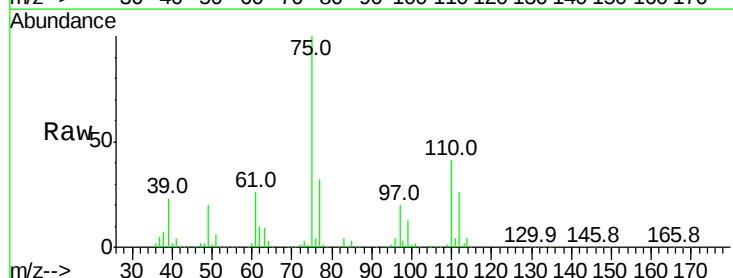
Tgt Ion: 75 Resp: 491858

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

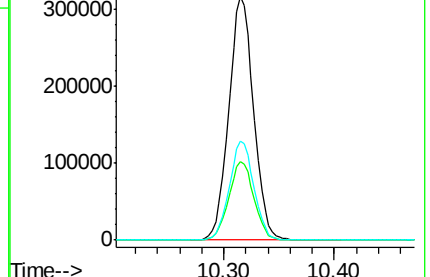
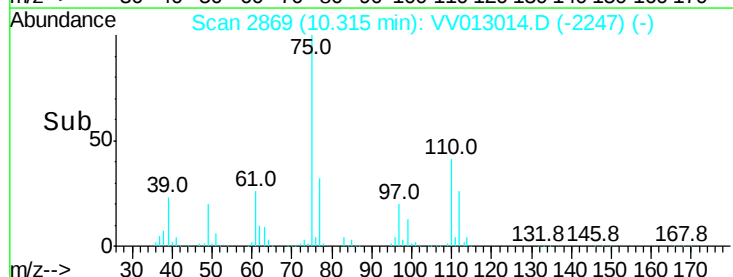
110 40.6 31.7 47.5

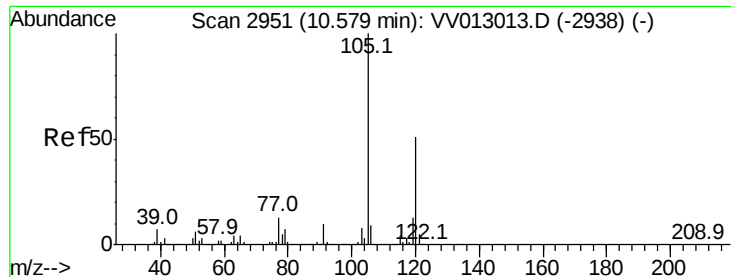


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 54.805 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV013014.D

Acq: 30 Sep 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

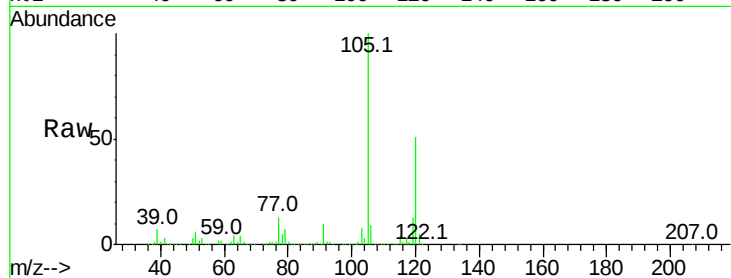
VSTD05065

Tgt Ion:105 Resp: 2364416

Ion Ratio Lower Upper

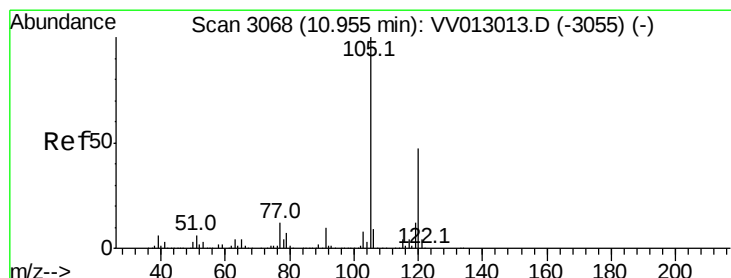
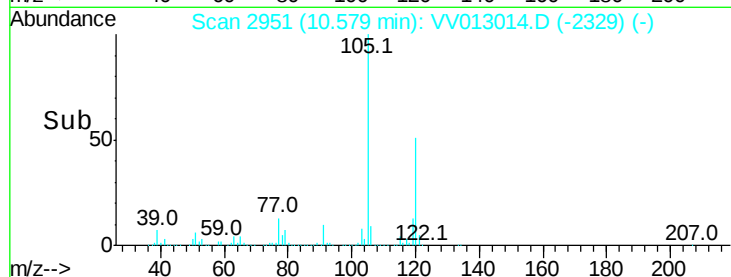
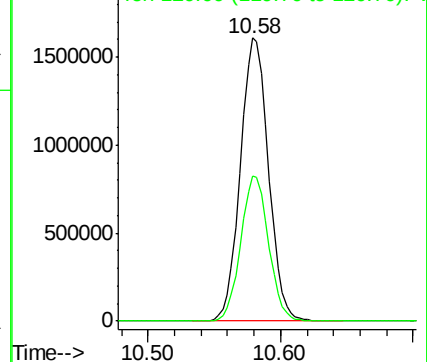
105 100

120 50.8 40.6 61.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 54.633 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV013014.D

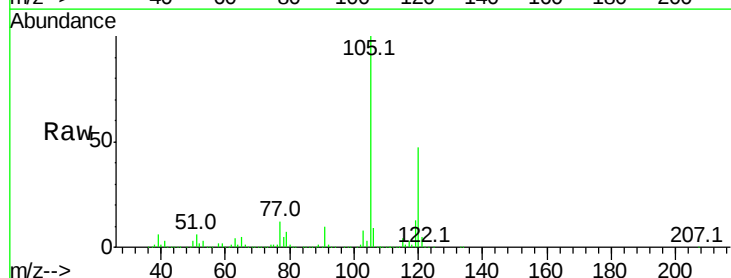
Acq: 30 Sep 2019 12:26

Tgt Ion:105 Resp: 2366922

Ion Ratio Lower Upper

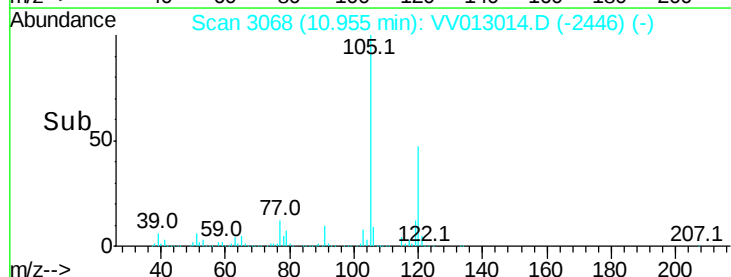
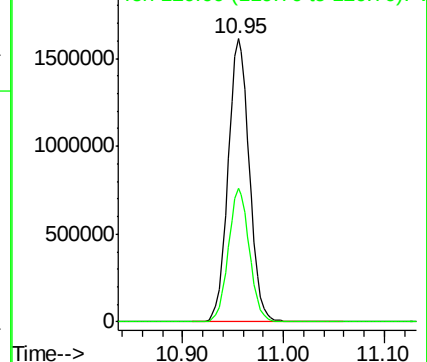
105 100

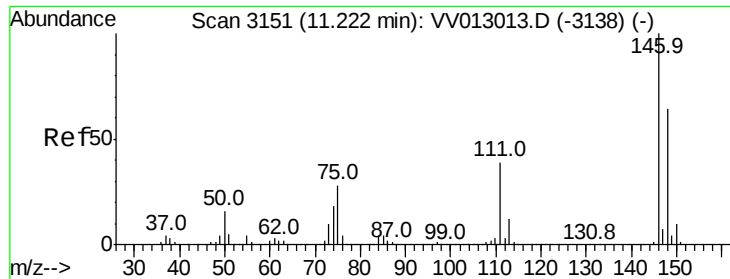
120 46.6 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

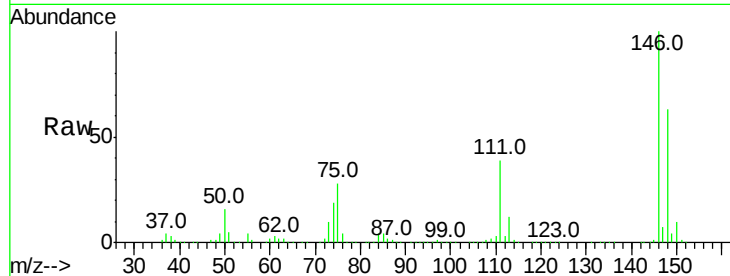




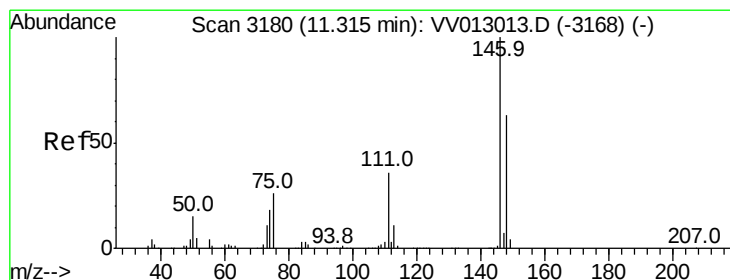
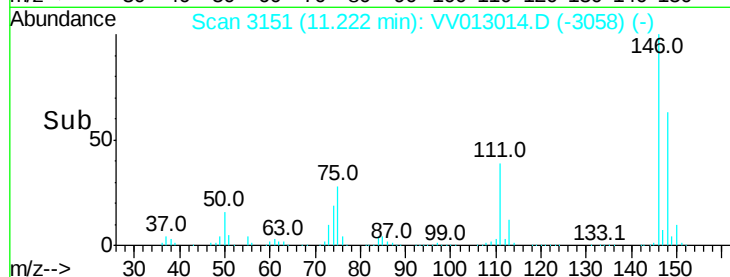
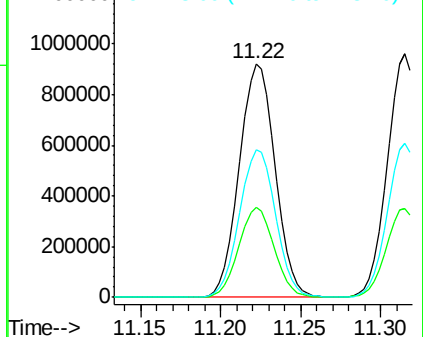
#64
 1,3-Dichlorobenzene
 Concen: 50.150 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion:146 Resp: 1409452
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.0 50.2
 148 63.3 44.7 83.1

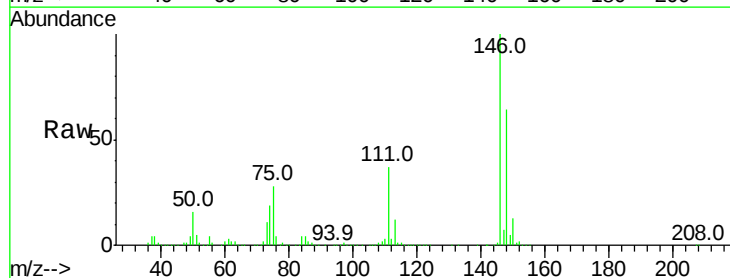


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

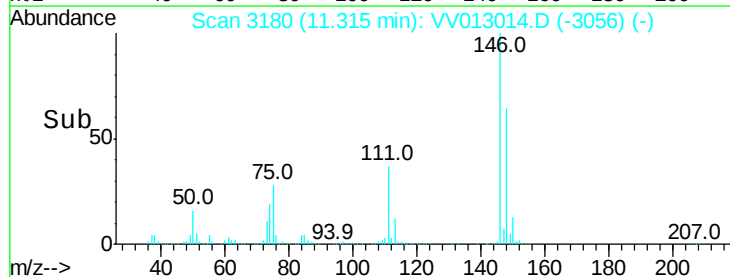
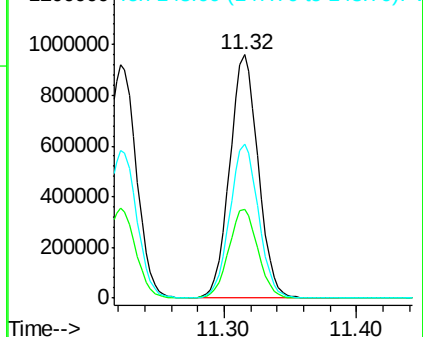


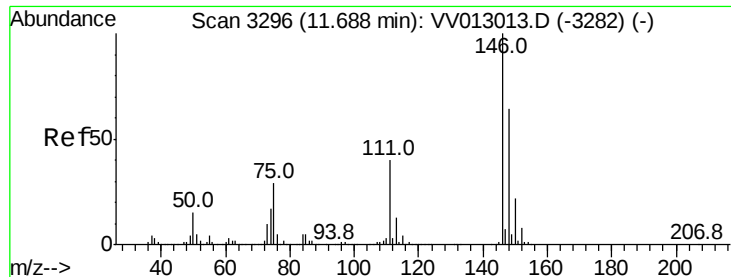
#65
 1,4-Dichlorobenzene
 Concen: 48.378 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion:146 Resp: 1427861
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.4 47.2
 148 63.5 44.2 82.2



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

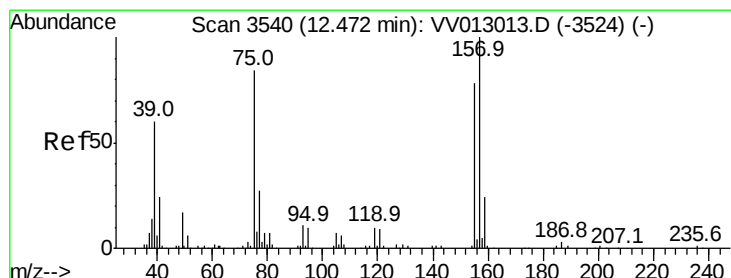
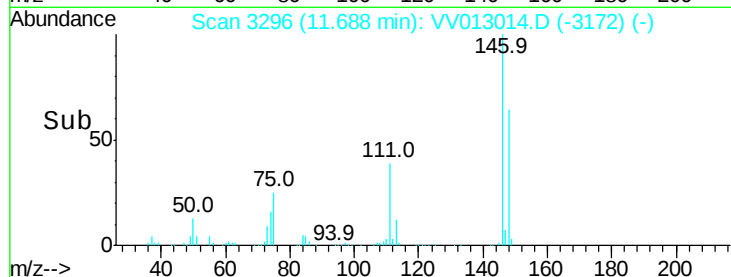
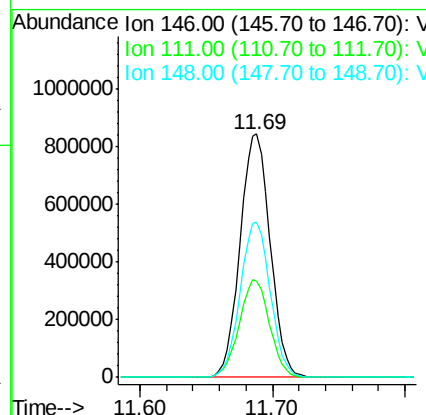
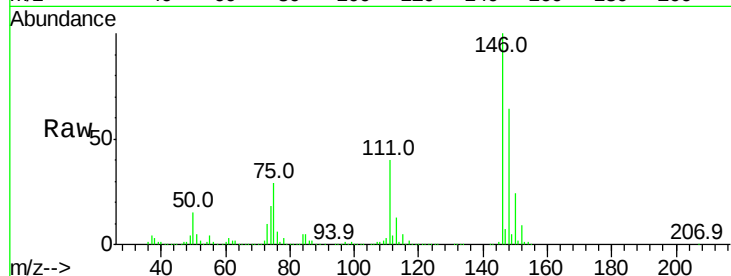




#67
 1,2-Dichlorobenzene
 Concen: 49.616 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

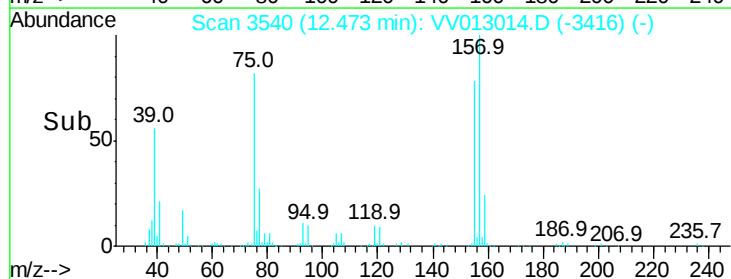
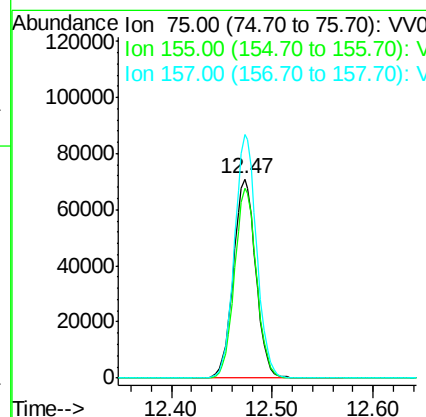
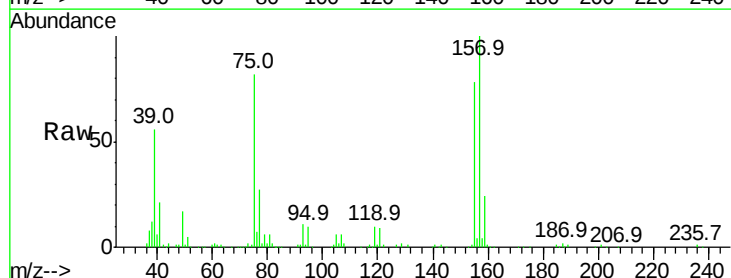
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05065

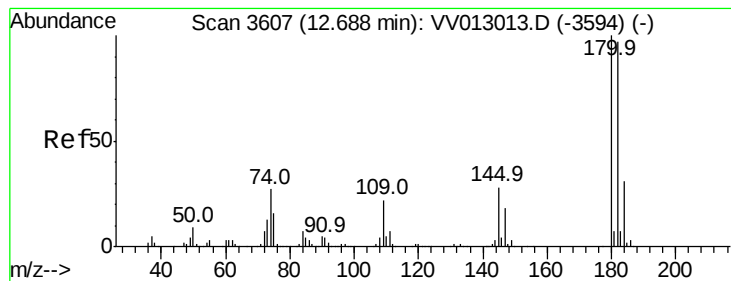
Tgt Ion:146 Resp: 1331422
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.0 48.0
 148 64.0 50.8 76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 50.233 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion: 75 Resp: 110188
 Ion Ratio Lower Upper
 75 100
 155 95.4 74.4 111.6
 157 122.5 95.8 143.6

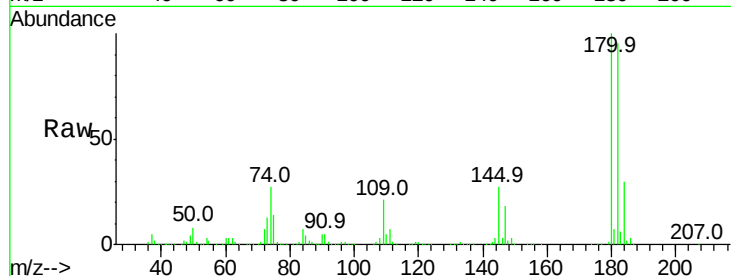




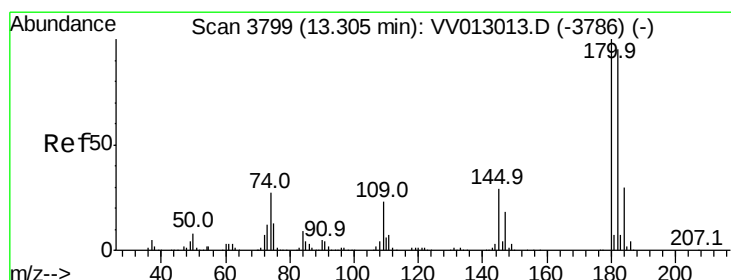
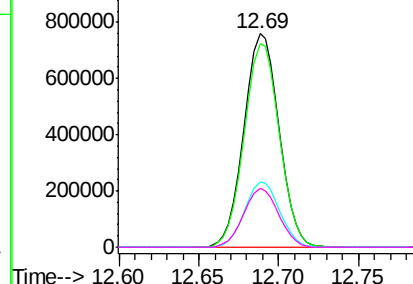
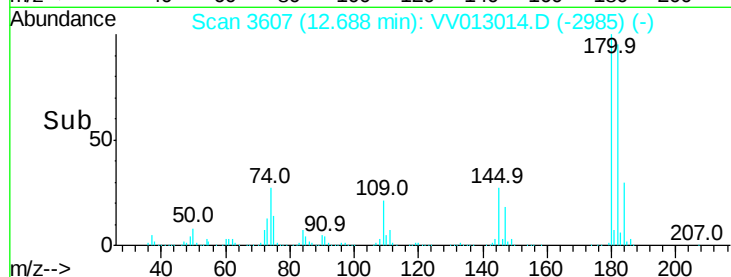
#69
 1,3,5-Trichlorobenzene
 Concen: 49.992 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion:180 Resp: 1131209
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 184 30.7 24.6 37.0
 145 27.6 22.2 33.4

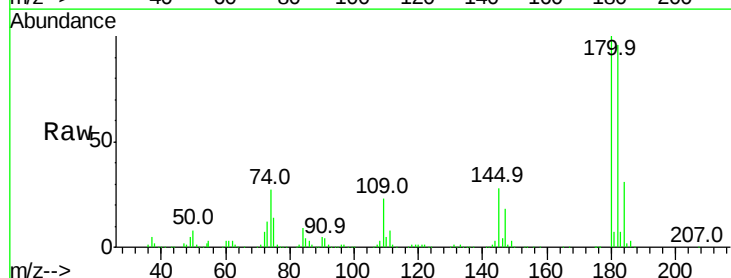


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

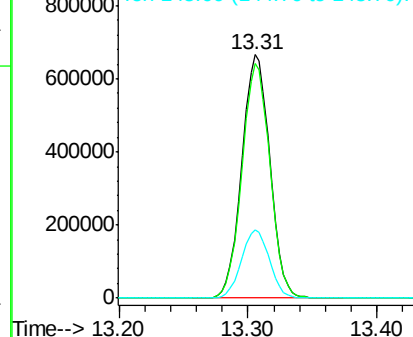
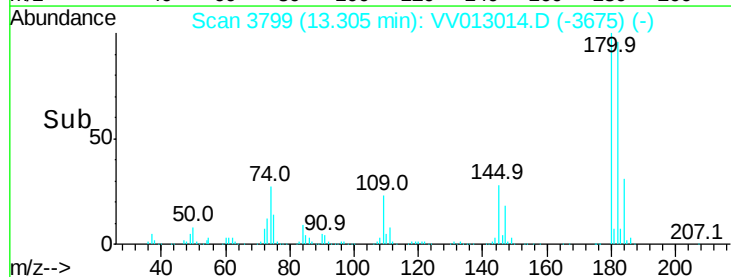


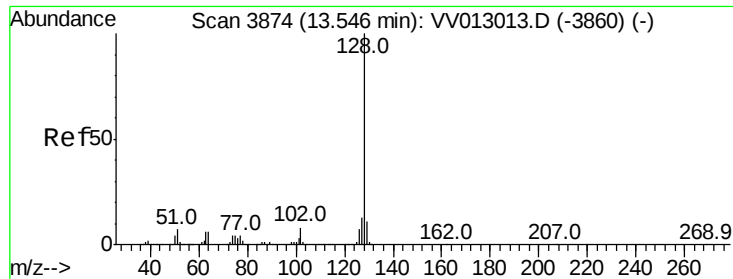
#70
 1,2,4-trichlorobenzene
 Concen: 51.453 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013014.D
 Acq: 30 Sep 2019 12:26

Tgt Ion:180 Resp: 1006714
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.0 114.0
 145 28.1 22.5 33.7



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

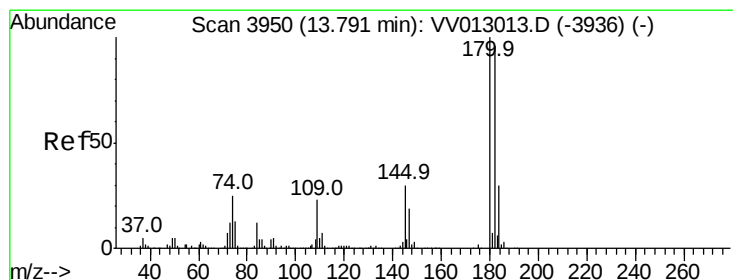
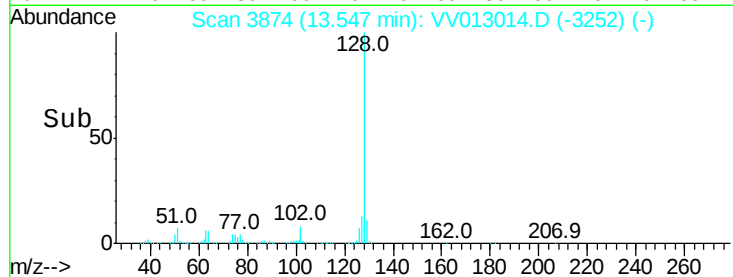
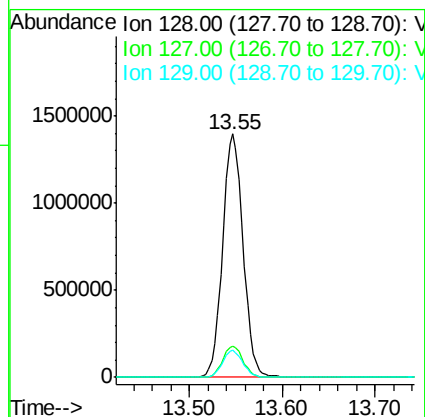
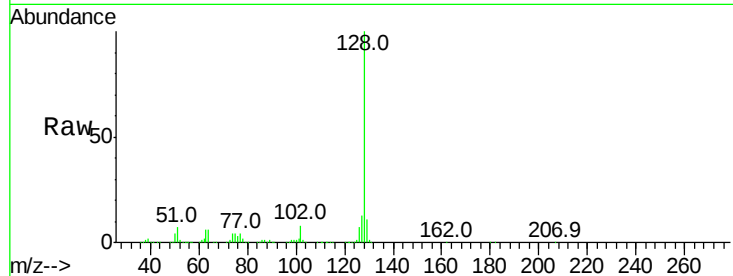




#71
Naphthalene
Concen: 56.023 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:128 Resp: 2135201
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 50.772 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV013014.D
Acq: 30 Sep 2019 12:26

Tgt Ion:180 Resp: 958188
Ion Ratio Lower Upper
180 100
182 95.4 76.7 115.1
145 30.1 24.2 36.4

