

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012129.D
 Acq On : 07 Aug 2019 15:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Aug 08 01:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	286963	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	262985	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	139537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58258	37.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.28%
7) Chloroethane-d5	1.58	69	39673	35.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.26%
11) 1,1-Dichloroethene-d2	2.13	63	94849	34.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.76%
21) 2-Butanone-d5	3.92	46	109156	95.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.51%
24) Chloroform-d	4.40	84	177166	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	5.08	65	115692	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
32) Benzene-d6	5.10	84	332486	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
36) 1,2-Dichloropropane-d6	6.12	67	98048	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.44%
41) Toluene-d8	7.36	98	325834	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%
43) trans-1,3-Dichloropropene-	7.66	79	57899	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.13	63	89552	98.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.36%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	143670	46.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	11.67	152	149786	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	103803	51.214	ug/L 97
3) Chloromethane	1.25	50	66039	45.886	ug/L 99
5) Vinyl chloride	1.32	62	64232	46.238	ug/L 99
6) Bromomethane	1.53	94	36576	45.352	ug/L 96
8) Chloroethane	1.60	64	29748	40.889	ug/L 100
9) Trichlorofluoromethane	1.77	101	102616	45.432	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47580	42.973	ug/L 98
12) 1,1-Dichloroethene	2.14	96	43439	41.664	ug/L 93
13) Acetone	2.18	43	72505	93.041	ug/L 99
14) Carbon disulfide	2.32	76	145367	41.259	ug/L 100
15) Methyl Acetate	2.45	43	59246	43.451	ug/L 99
16) Methylene chloride	2.53	84	71753	45.359	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	70904	48.162	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	247840	48.993	ug/L 100
19) 1,1-Dichloroethane	3.23	63	128510	47.867	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	83780	48.315	ug/L 99
22) 2-Butanone	4.01	43	103252	102.810	ug/L 97

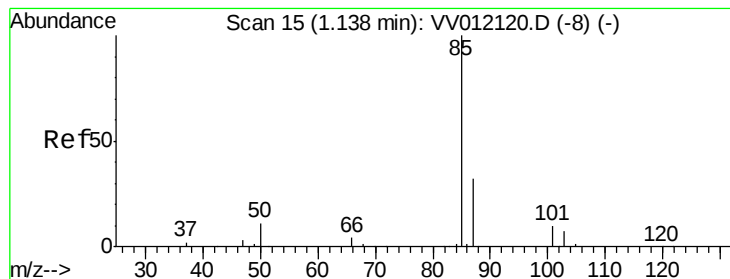
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 01:11:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45949	48.189	ug/L	96
25) Chloroform	4.42	83	148241	48.713	ug/L	98
27) 1,2-Dichloroethane	5.18	62	122215	51.671	ug/L	99
29) Cyclohexane	4.73	56	105747	48.087	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	138355	49.526	ug/L	97
31) Carbon tetrachloride	4.87	117	131012	50.552	ug/L	99
33) Benzene	5.15	78	302872	50.030	ug/L	100
34) Trichloroethene	5.96	95	84966	50.496	ug/L	97
35) Methylcyclohexane	6.17	83	128736	51.403	ug/L	99
37) 1,2-Dichloropropane	6.22	63	75458	51.103	ug/L	100
38) Bromodichloromethane	6.55	83	118089	50.837	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	132972	51.078	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	193620	101.882	ug/L	99
42) Toluene	7.43	91	344414	51.201	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	123712	50.342	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	81208	51.020	ug/L	99
46) Tetrachloroethene	8.02	164	81212	51.802	ug/L	97
48) 2-Hexanone	8.18	43	152832	106.669	ug/L	99
49) Dibromochloromethane	8.29	129	106673	51.645	ug/L	98
50) 1,2-Dibromoethane	8.40	107	90459	51.388	ug/L	100
51) Chlorobenzene	8.92	112	231260	50.992	ug/L	99
52) Ethylbenzene	9.05	91	388458	51.468	ug/L	99
53) m,p-Xylene	9.18	106	149594	51.378	ug/L	98
54) o-Xylene	9.59	106	152081	52.637	ug/L	99
55) Styrene	9.60	104	252593	51.898	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	124482	50.856	ug/L	96
59) Bromoform	9.77	173	85606	52.302	ug/L	100
60) Isopropylbenzene	9.97	105	401359	52.543	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	99486	52.505	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	348678	52.801	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	343587	52.717	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	199594	51.787	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	197789	50.770	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	202041	51.378	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.47	75	31223	50.000	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	161401	51.659	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	134453	49.632	ug/L	99
71) Naphthalene	13.55	128	341938	49.802	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	139461	51.157	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.214 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

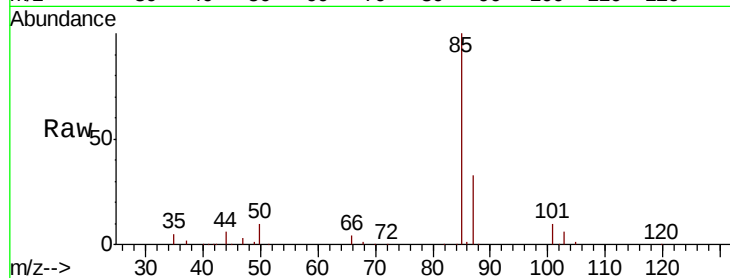
VSTD05070

Tgt Ion: 85 Resp: 103803

Ion Ratio Lower Upper

85 100

87 33.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV012120.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012120.D (-8) (-)

1.14

100000

80000

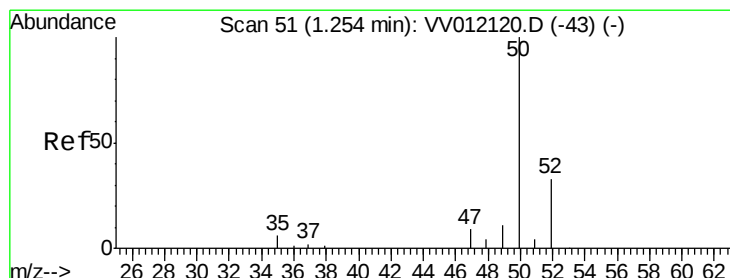
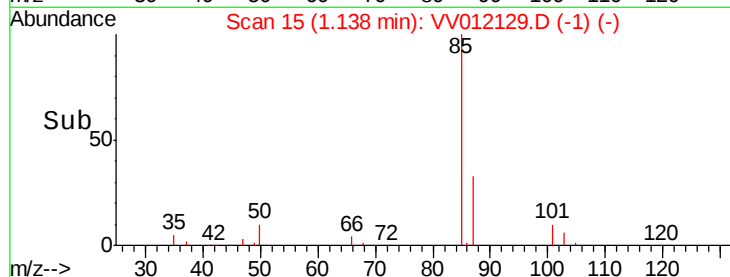
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.886 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012129.D

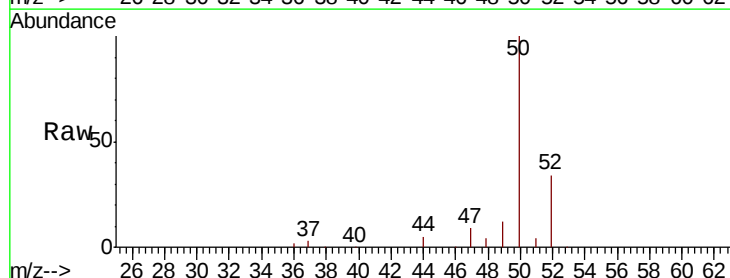
Acq: 07 Aug 2019 15:52

Tgt Ion: 50 Resp: 66039

Ion Ratio Lower Upper

50 100

52 33.7 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV012120.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012120.D (-43) (-)

1.25

80000

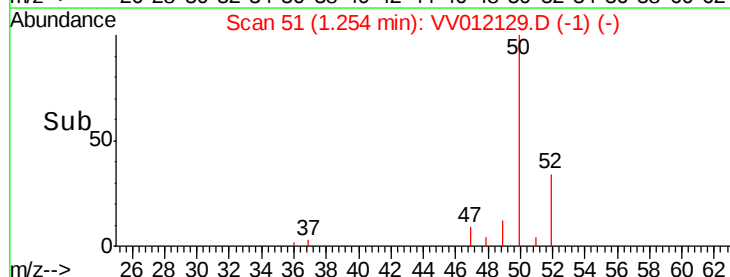
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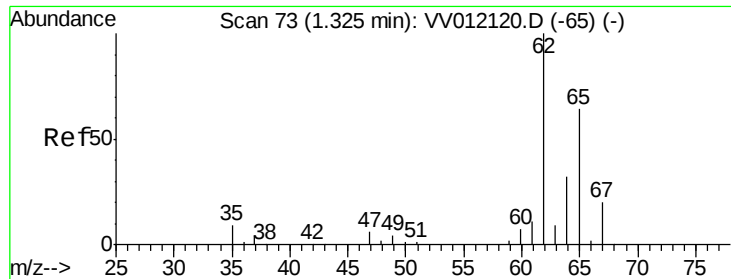
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 46.238 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

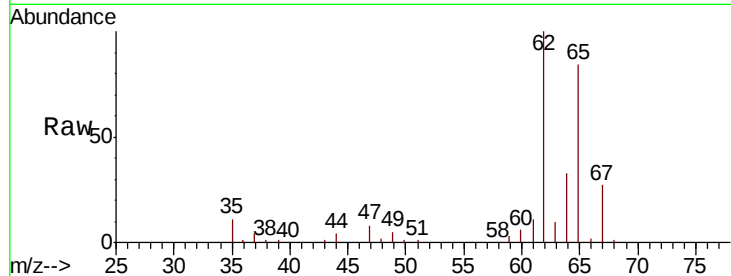
VSTD05070

Tgt Ion: 62 Resp: 64232

Ion Ratio Lower Upper

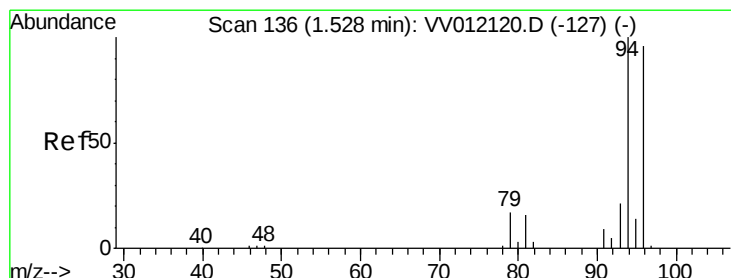
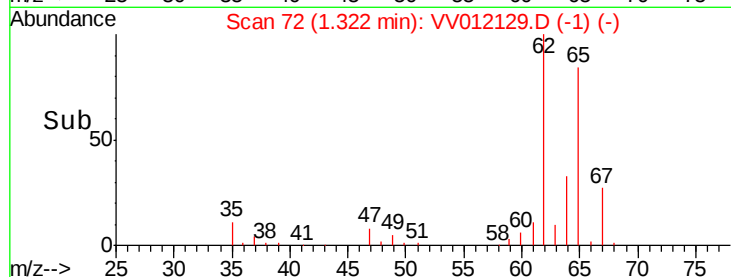
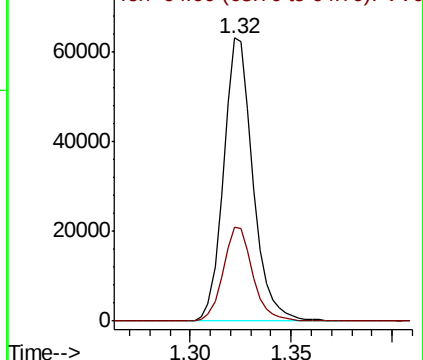
62 100

64 33.3 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.352 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV012129.D

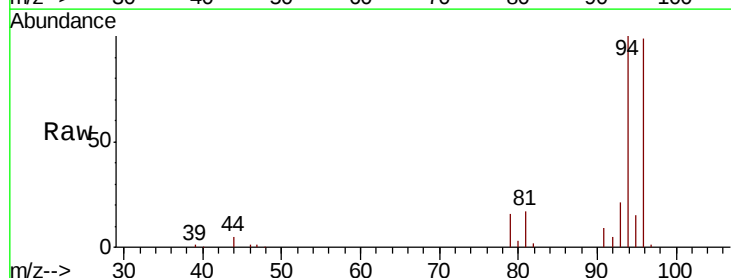
Acq: 07 Aug 2019 15:52

Tgt Ion: 94 Resp: 36576

Ion Ratio Lower Upper

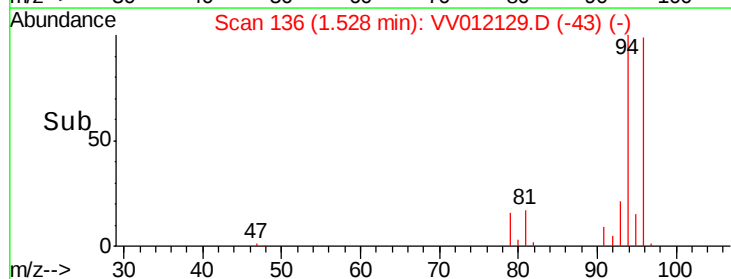
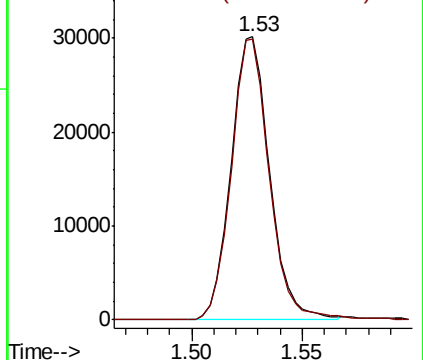
94 100

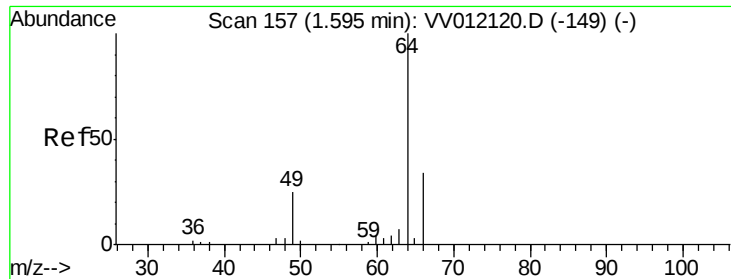
96 99.0 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 40.889 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

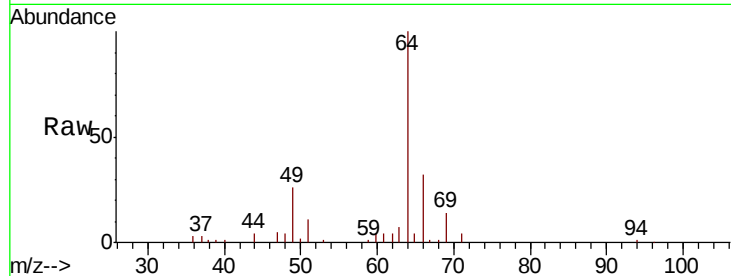
VSTD05070

Tgt Ion: 64 Resp: 29748

Ion Ratio Lower Upper

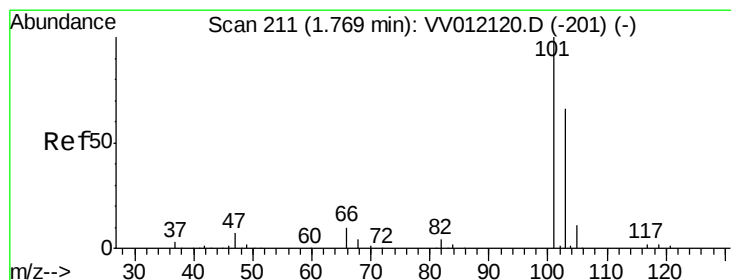
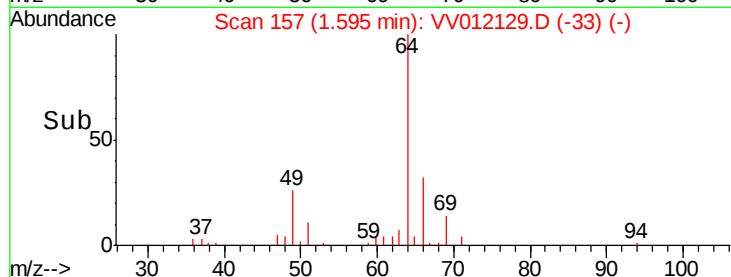
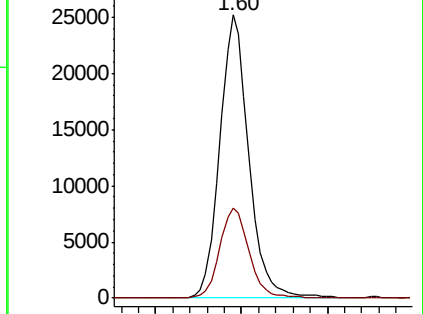
64 100

66 32.0 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012129.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV012129.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 45.432 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012129.D

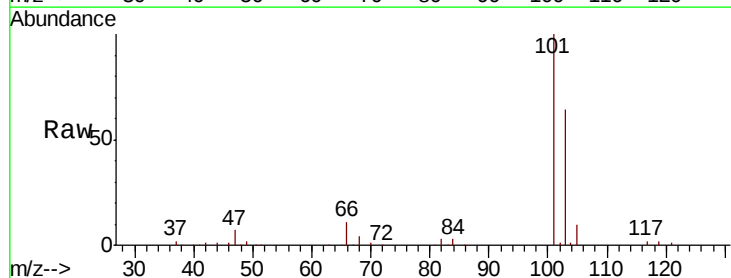
Acq: 07 Aug 2019 15:52

Tgt Ion: 101 Resp: 102616

Ion Ratio Lower Upper

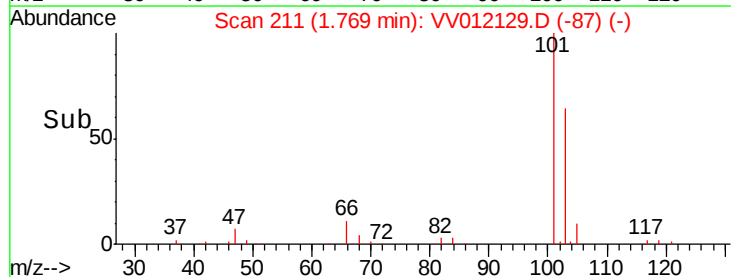
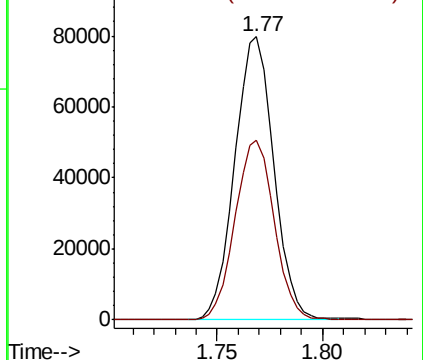
101 100

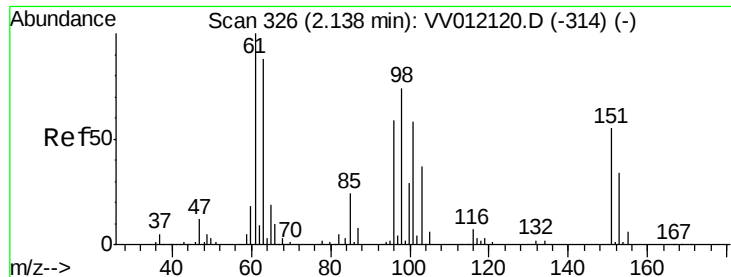
103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012129.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012129.D (-201) (-)





#10

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

Concen: 42.973 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

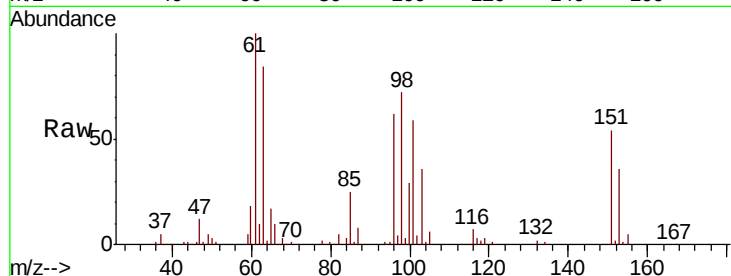
Tgt Ion:101 Resp: 47580

Ion Ratio Lower Upper

101 100

85 43.9 34.4 51.6

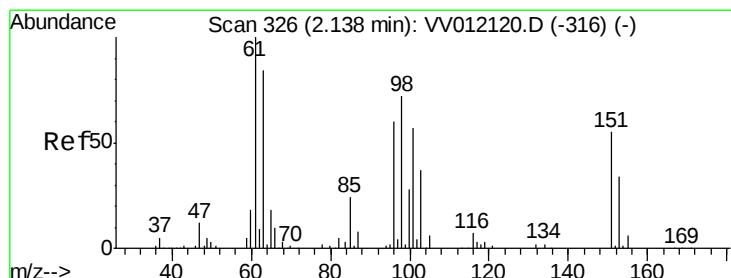
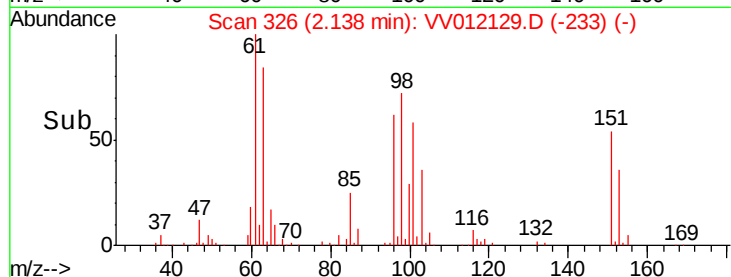
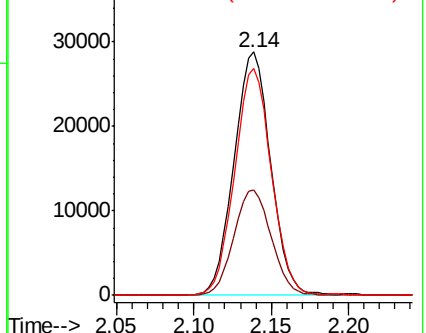
151 92.9 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 41.664 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

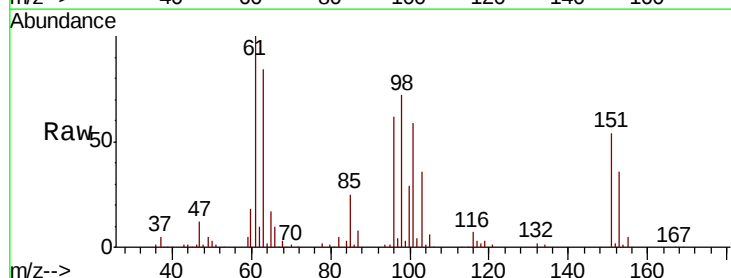
Tgt Ion: 96 Resp: 43439

Ion Ratio Lower Upper

96 100

61 160.8 120.0 223.0

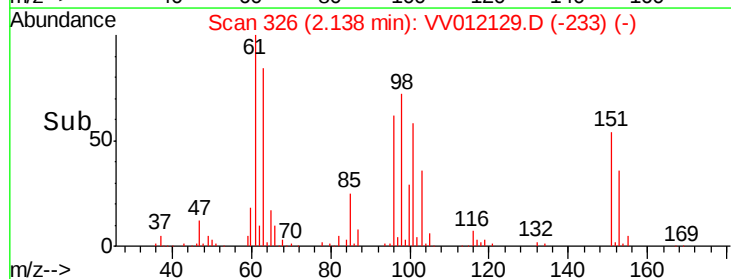
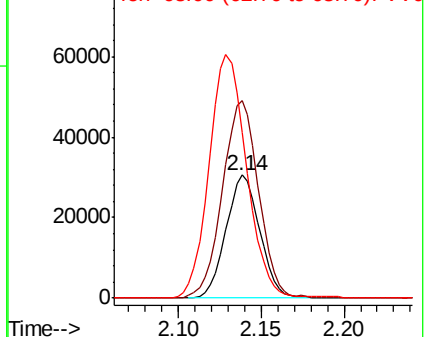
63 134.4 98.3 182.7

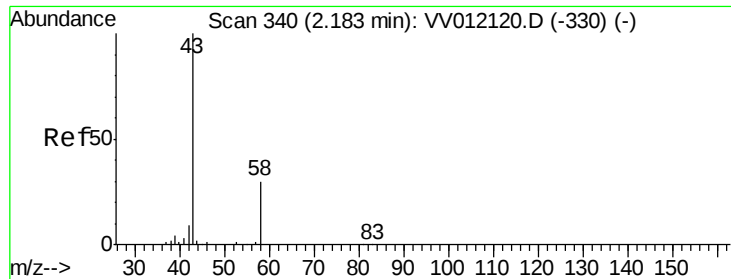


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 93.041 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

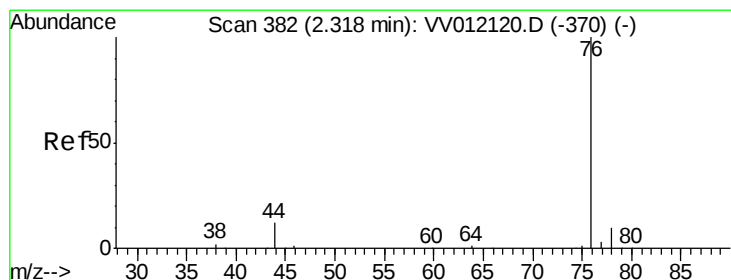
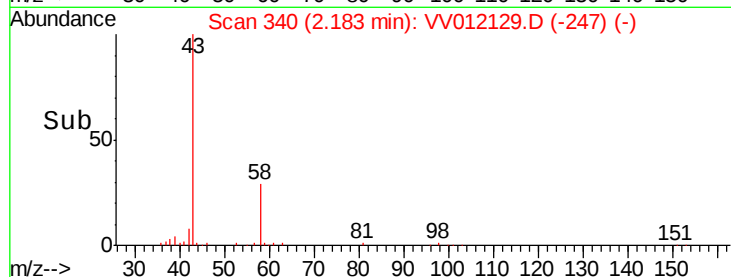
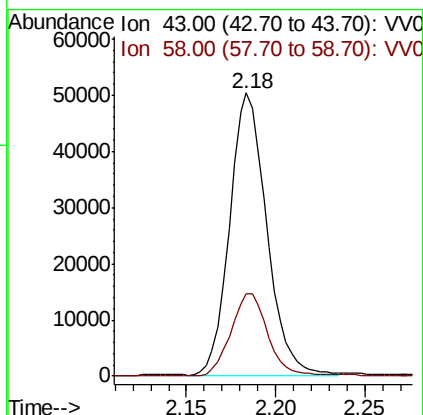
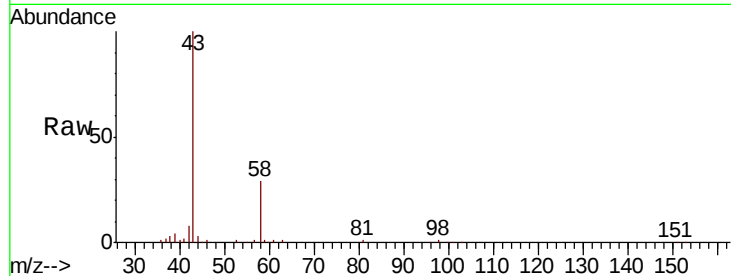
VSTD05070

Tgt Ion: 43 Resp: 72505

Ion Ratio Lower Upper

43 100

58 29.3 0.0 59.2



#14

Carbon disulfide

Concen: 41.259 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012129.D

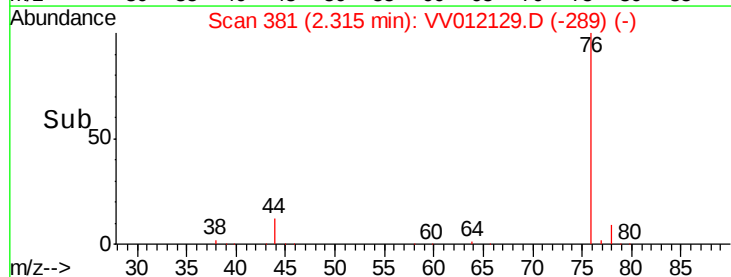
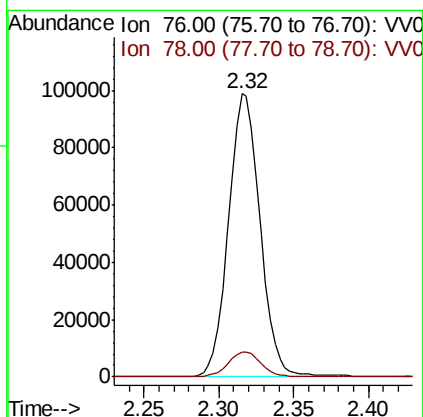
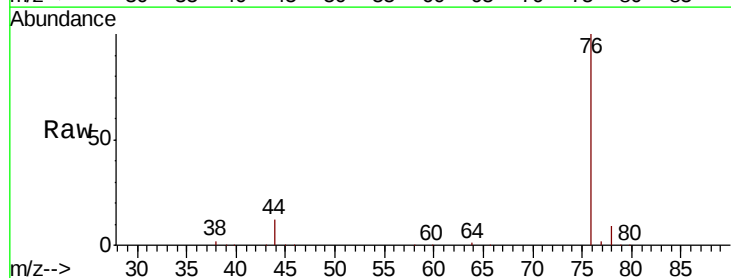
Acq: 07 Aug 2019 15:52

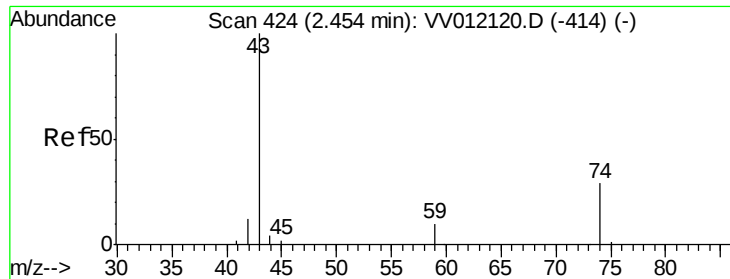
Tgt Ion: 76 Resp: 145367

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

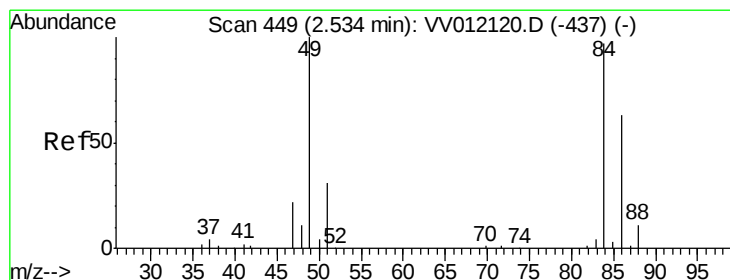
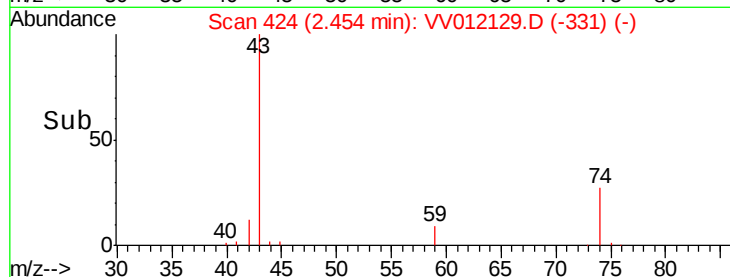
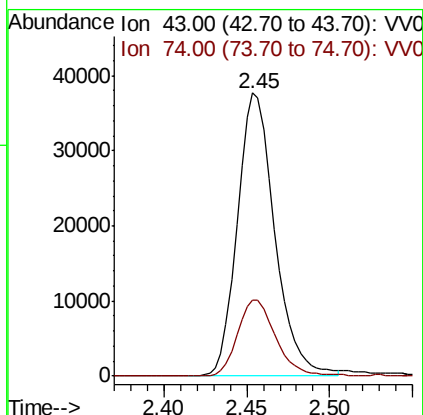
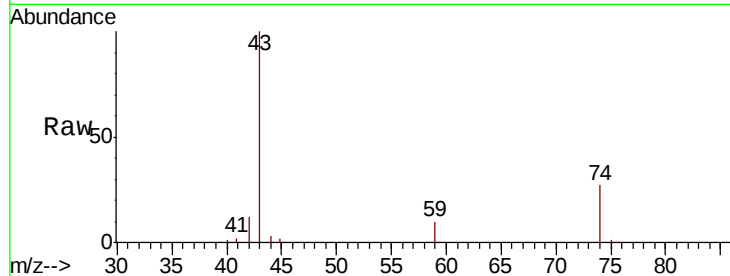




#15
Methyl Acetate
Concen: 43.451 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

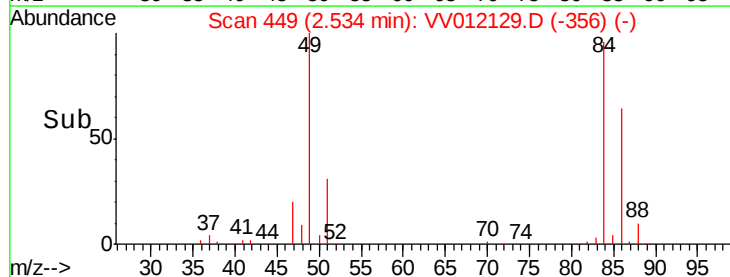
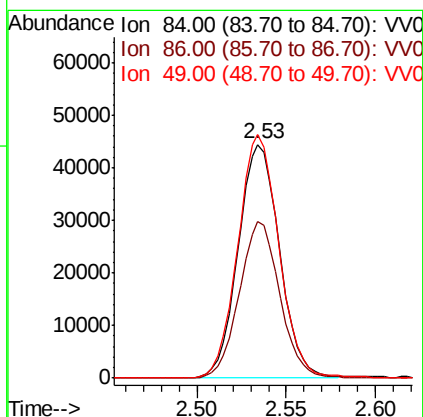
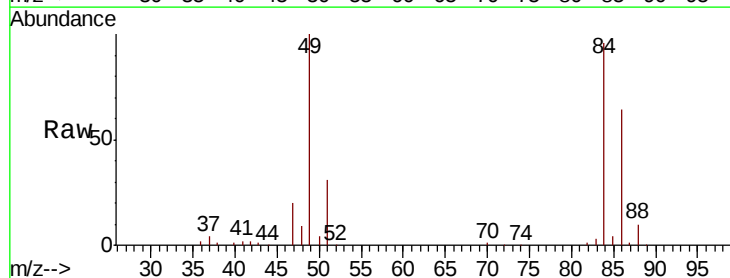
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

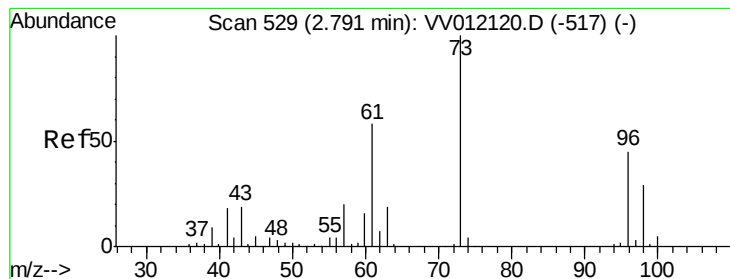
Tgt Ion: 43 Resp: 59246
Ion Ratio Lower Upper
43 100
74 27.5 21.8 32.6



#16
Methylene chloride
Concen: 45.359 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Tgt Ion: 84 Resp: 71753
Ion Ratio Lower Upper
84 100
86 67.1 45.7 84.9
49 104.1 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 48.162 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

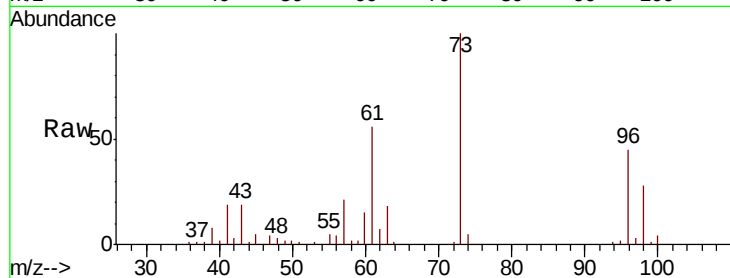
Tgt Ion: 96 Resp: 70904

Ion Ratio Lower Upper

96 100

61 126.4 90.6 168.3

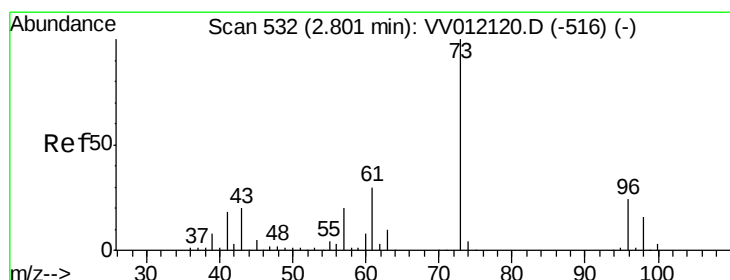
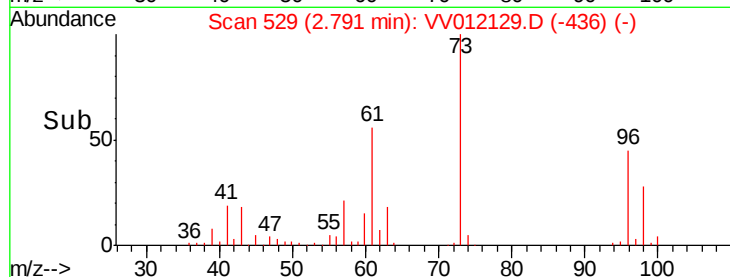
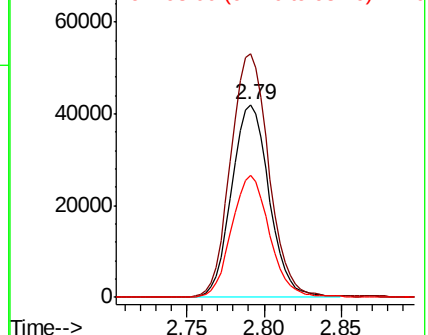
98 63.6 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.993 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

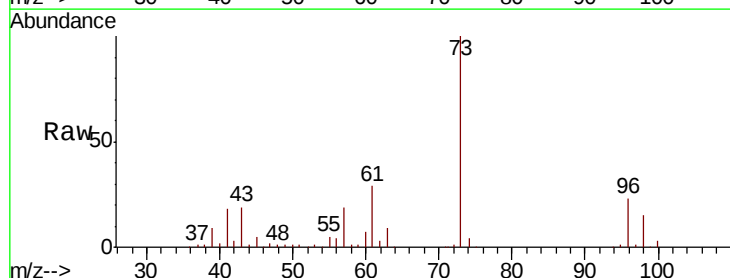
Tgt Ion: 73 Resp: 247840

Ion Ratio Lower Upper

73 100

43 19.3 15.6 23.4

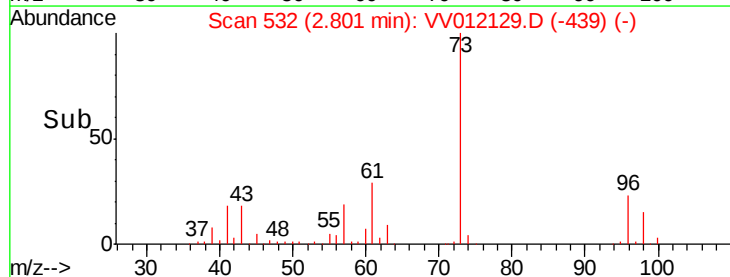
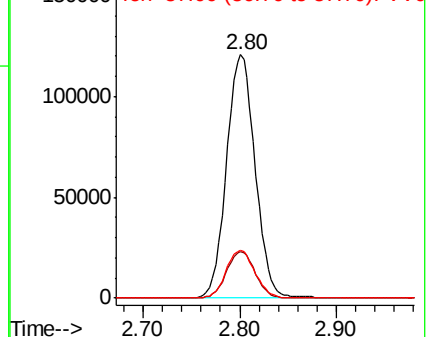
57 19.9 16.0 24.0

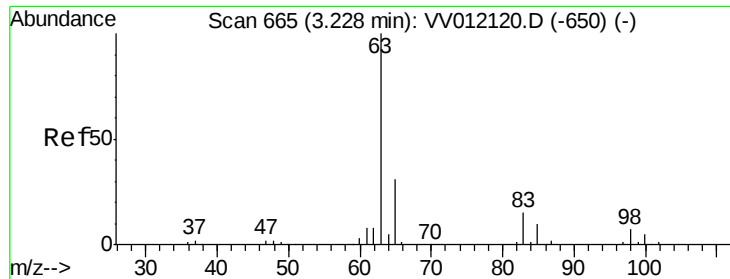


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

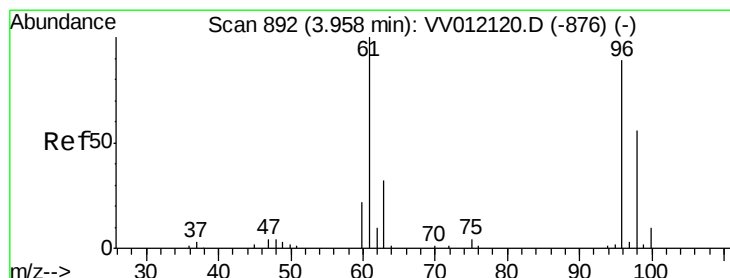
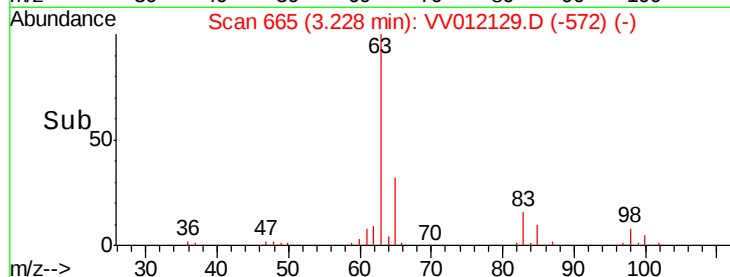
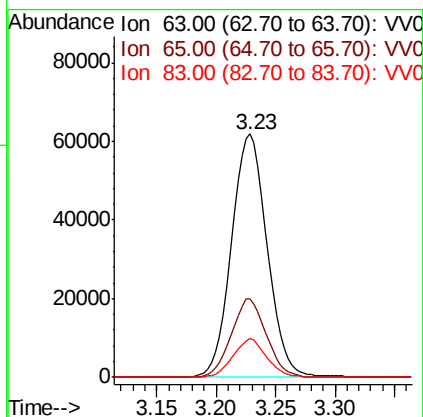
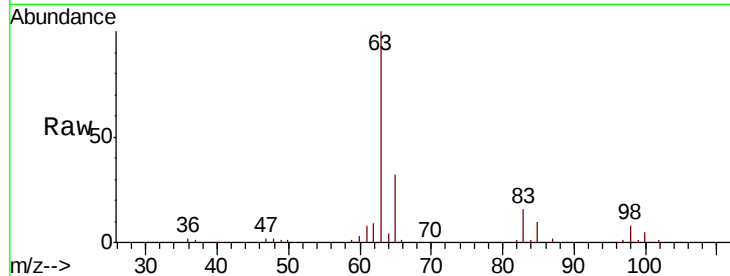




#19
 1,1-Dichloroethane
 Concen: 47.867 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

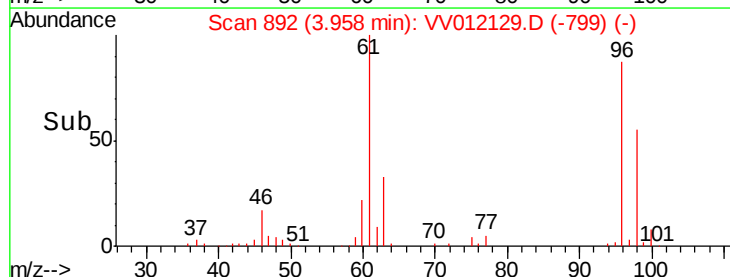
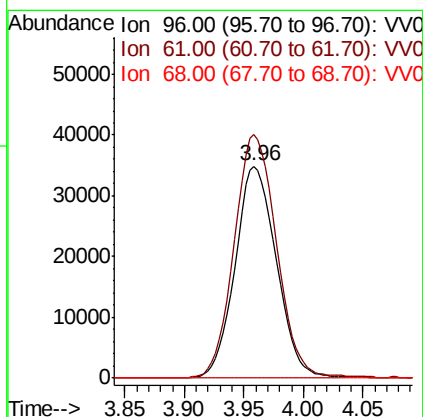
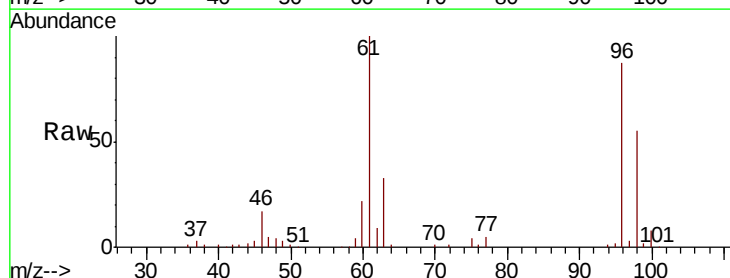
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

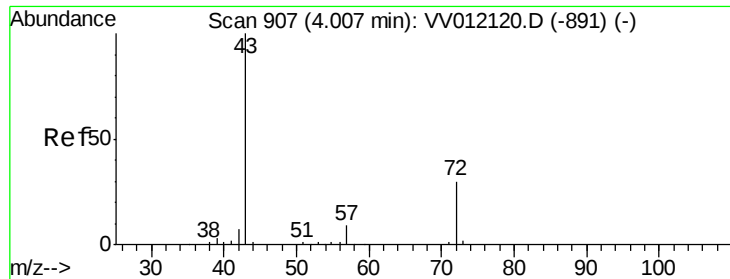
Tgt Ion: 63 Resp: 128510
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.3
 83 15.7 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 48.315 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion: 96 Resp: 83780
 Ion Ratio Lower Upper
 96 100
 61 115.0 80.0 148.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.810 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

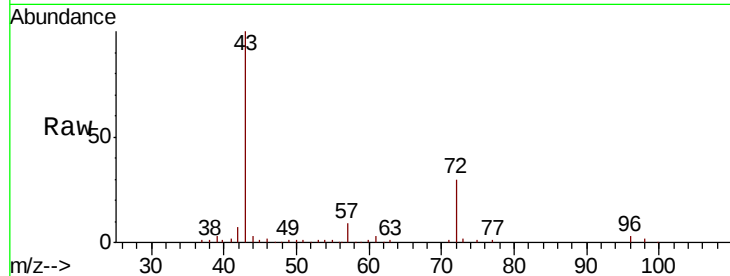
VSTD05070

Tgt Ion: 43 Resp: 103252

Ion Ratio Lower Upper

43 100

72 31.5 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV012129.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VV012129.D (-814) (-)

4.01

40000

30000

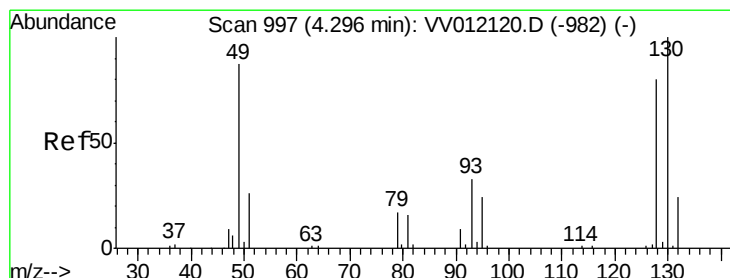
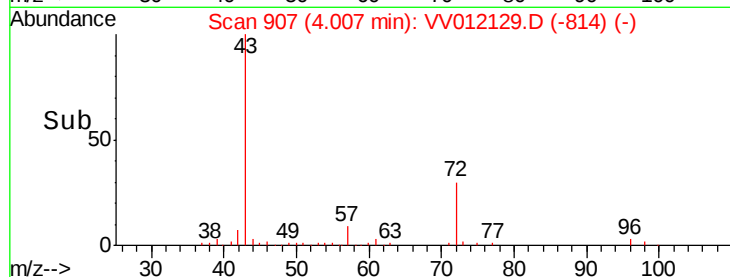
20000

10000

0

Time-->

3.90 3.95 4.00 4.05 4.10



#23

Bromochloromethane

Concen: 48.189 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Tgt Ion: 128 Resp: 45949

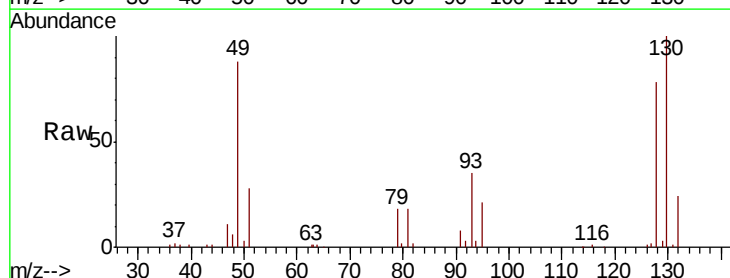
Ion Ratio Lower Upper

128 100

49 112.6 84.6 157.2

130 127.5 89.9 167.0

51 36.3 30.5 45.7



Abundance Ion 128.00 (127.70 to 128.70): VV012129.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV012129.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV012129.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV012129.D (-904) (-)

40000

30000

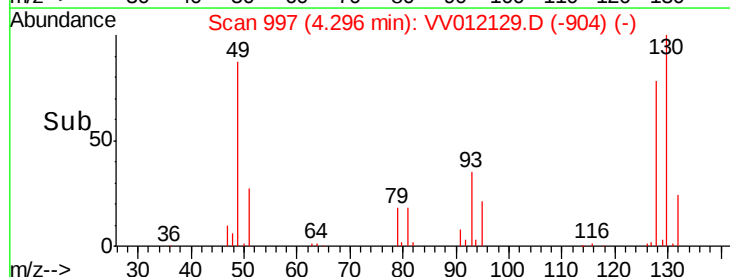
20000

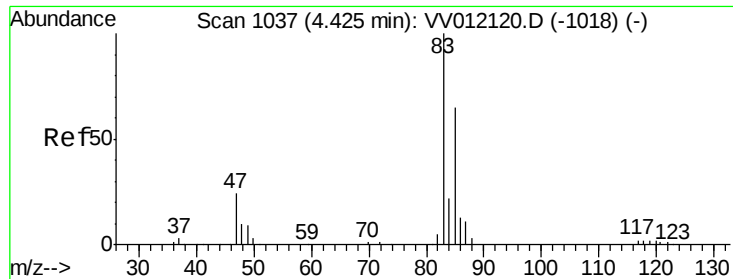
10000

0

Time-->

4.20 4.25 4.30 4.35 4.40

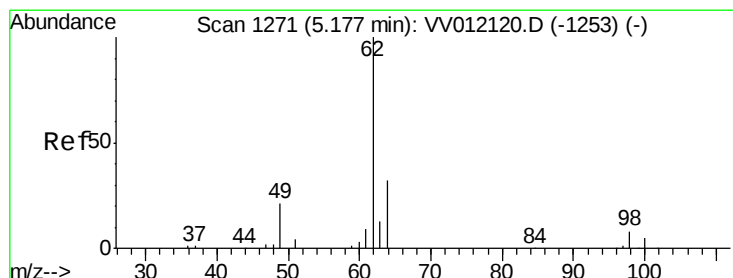
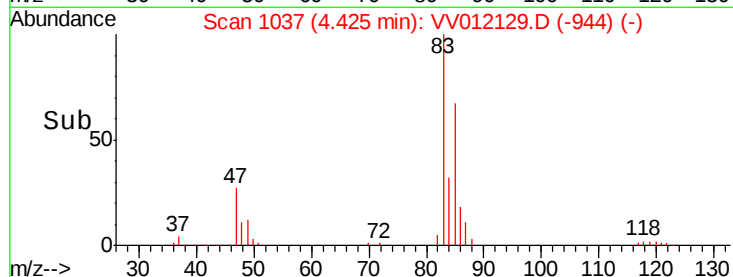
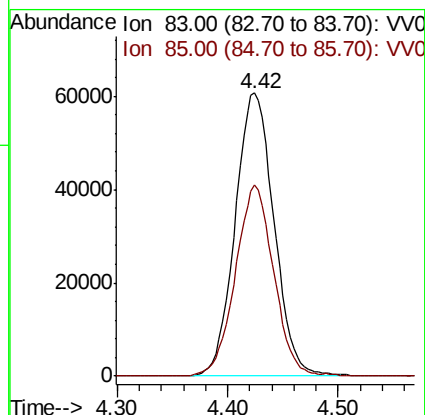
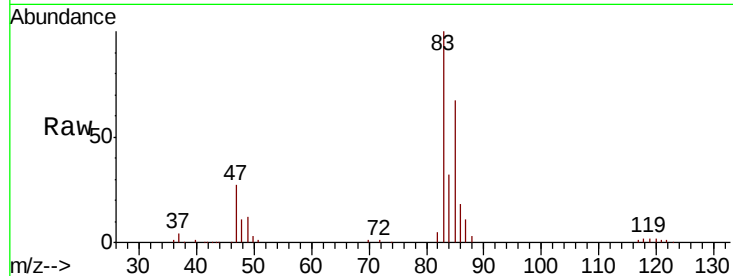




#25
Chloroform
Concen: 48.713 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

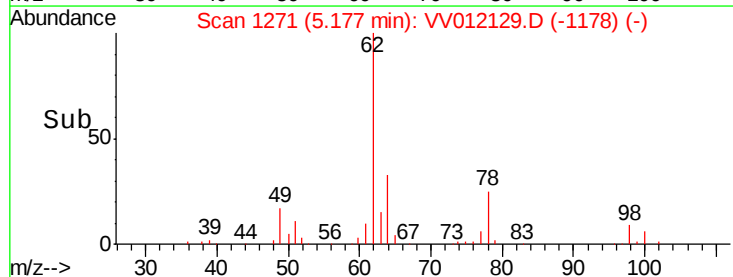
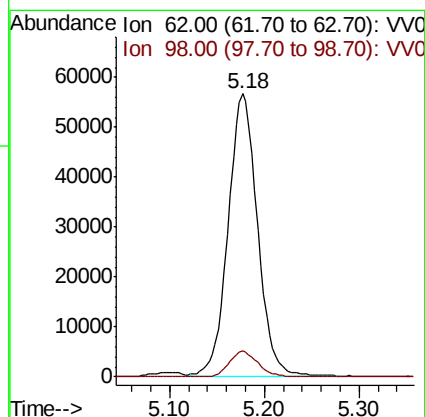
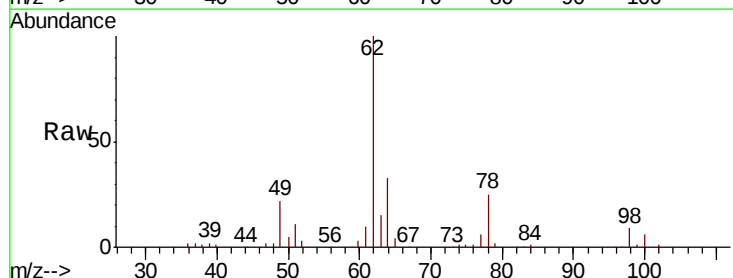
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

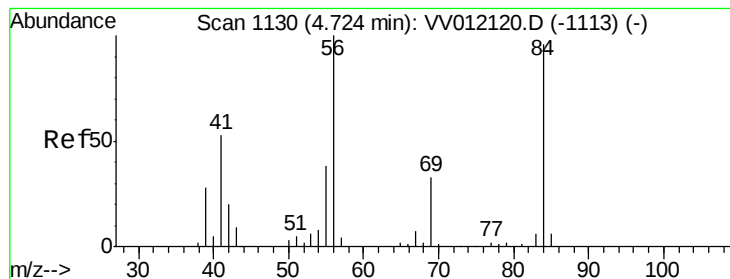
Tgt Ion: 83 Resp: 148241
Ion Ratio Lower Upper
83 100
85 67.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 51.671 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Tgt Ion: 62 Resp: 122215
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3





#29

Cyclohexane

Concen: 48.087 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

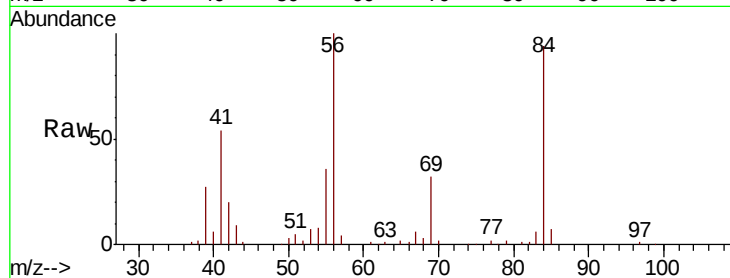
Tgt Ion: 56 Resp: 105747

Ion Ratio Lower Upper

56 100

69 33.8 25.8 38.8

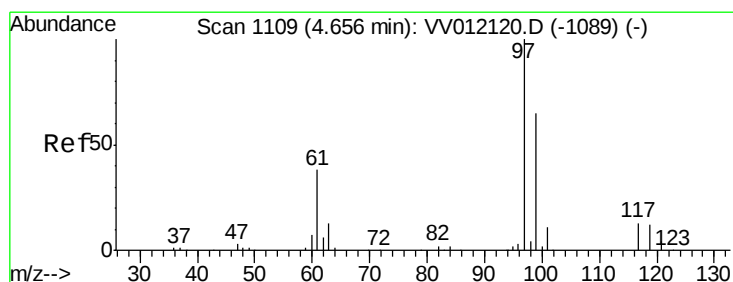
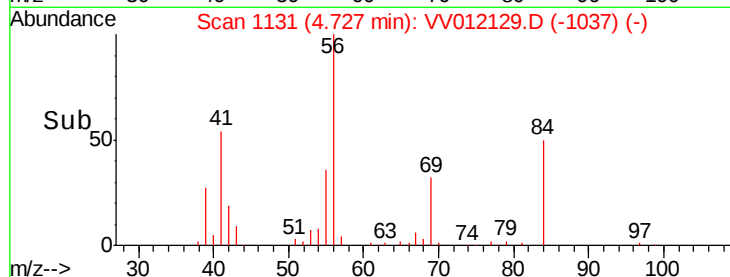
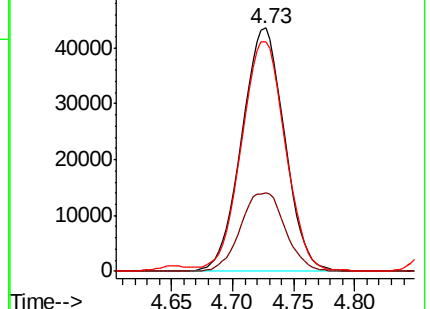
84 97.0 76.0 114.0



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: 49.526 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

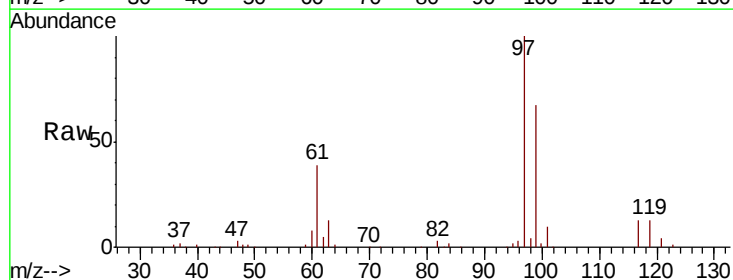
Tgt Ion: 97 Resp: 138355

Ion Ratio Lower Upper

97 100

99 66.8 51.1 76.7

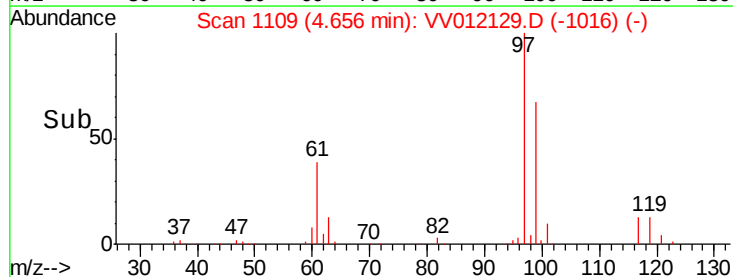
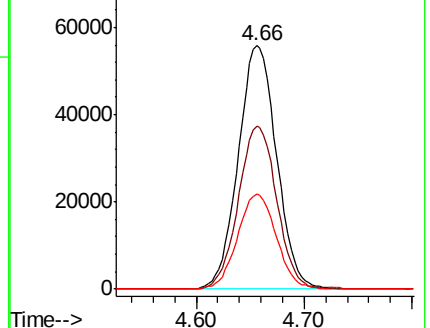
61 39.4 31.3 46.9

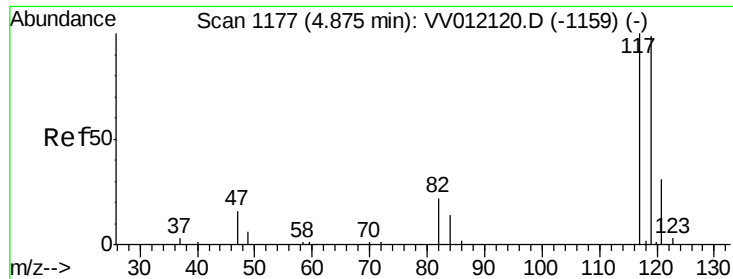


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.552 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

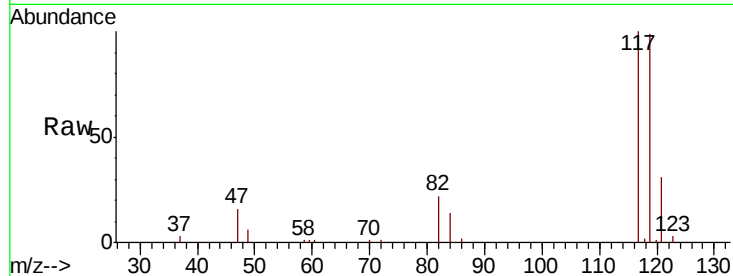
VSTD05070

Tgt Ion:117 Resp: 131012

Ion Ratio Lower Upper

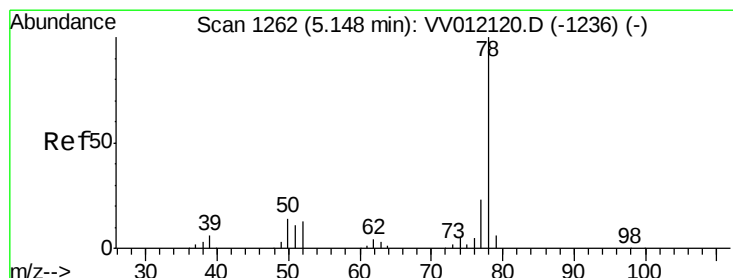
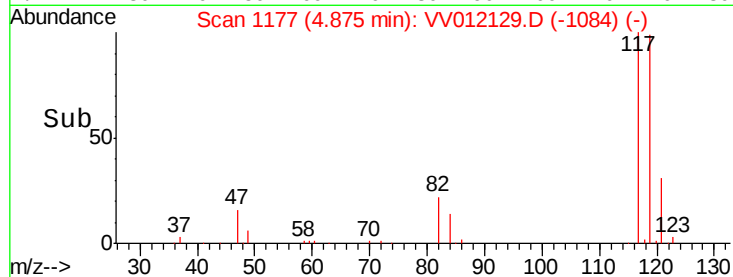
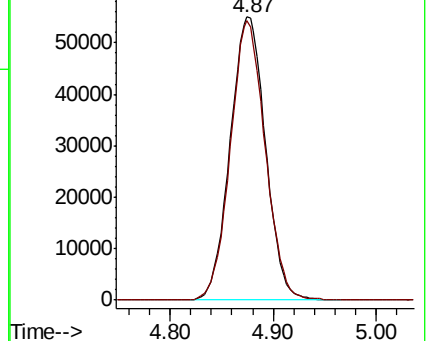
117 100

119 97.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.030 ug/L

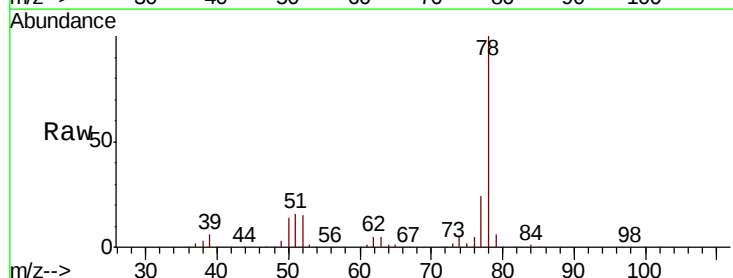
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

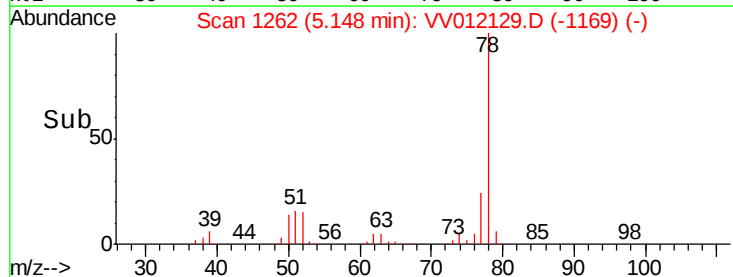
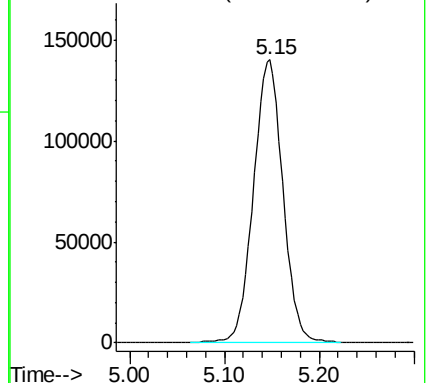
Lab File: VV012129.D

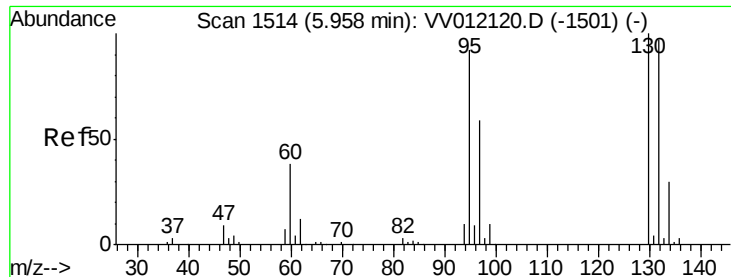
Acq: 07 Aug 2019 15:52

Tgt Ion: 78 Resp: 302872



Abundance Ion 78.00 (77.70 to 78.70): VV0

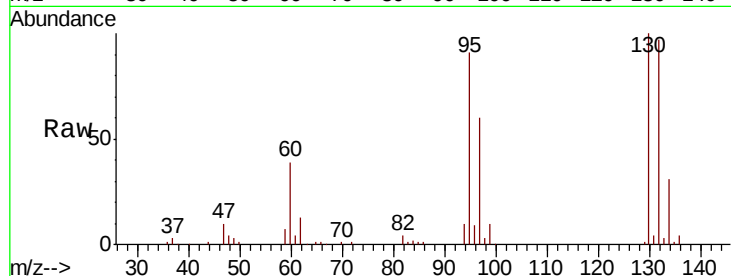




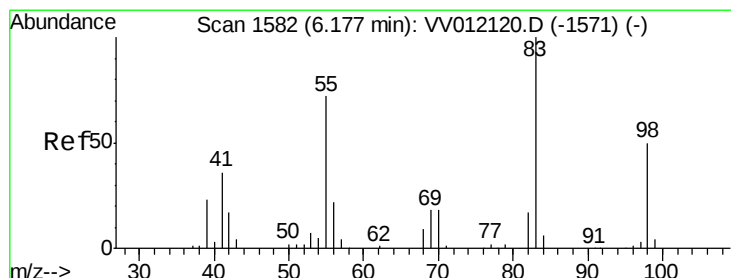
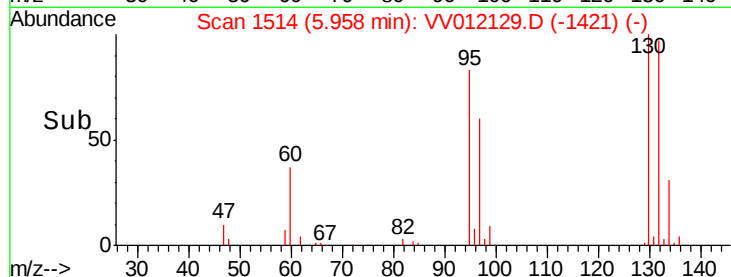
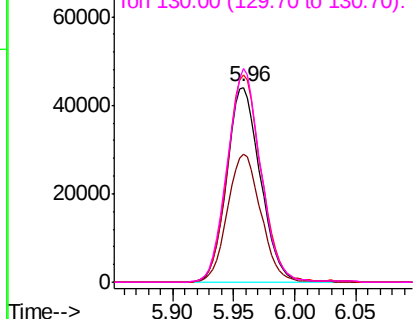
#34
 Trichloroethene
 Concen: 50.496 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion: 95 Resp: 84966
 Ion Ratio Lower Upper
 95 100
 97 65.8 43.4 80.6
 132 106.5 73.1 135.8
 130 109.5 75.3 139.8

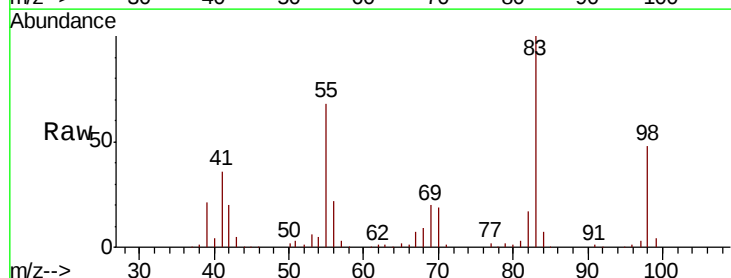


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

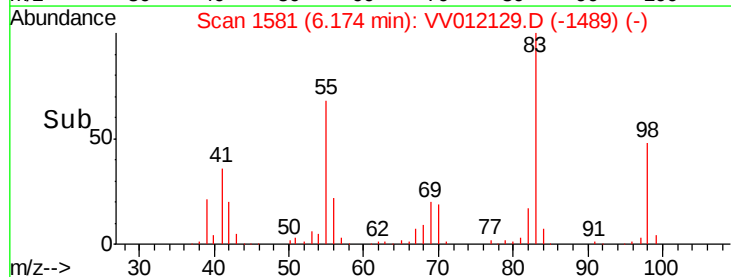
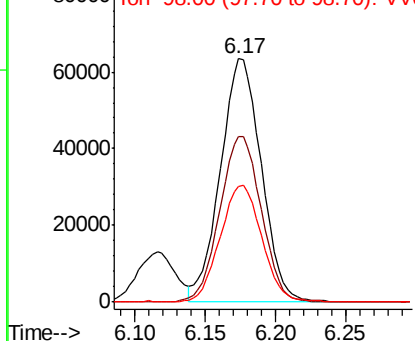


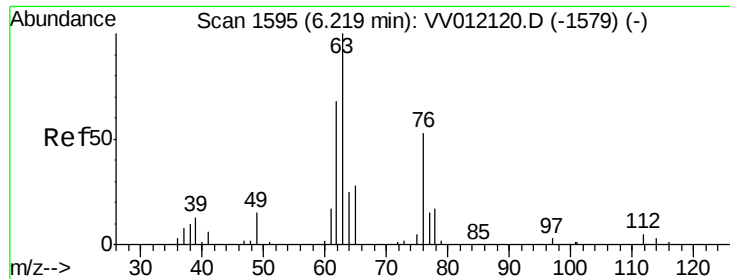
#35
 Methylcyclohexane
 Concen: 51.403 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion: 83 Resp: 128736
 Ion Ratio Lower Upper
 83 100
 55 68.8 55.5 83.3
 98 48.9 38.5 57.7



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

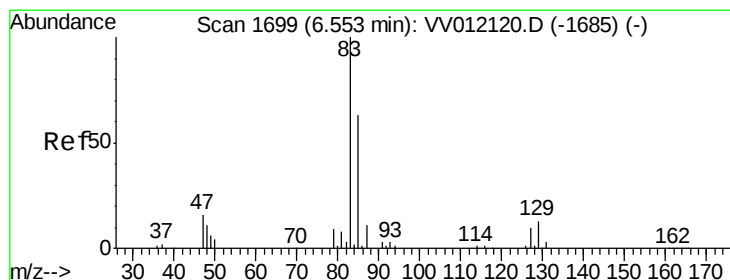
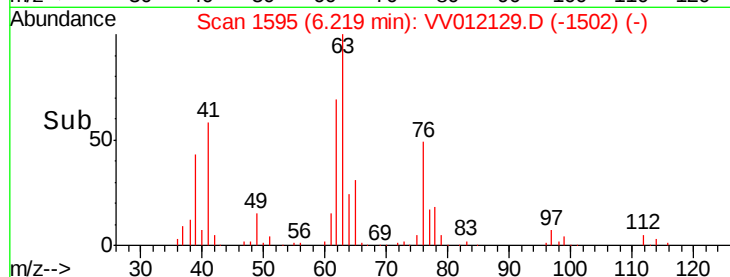
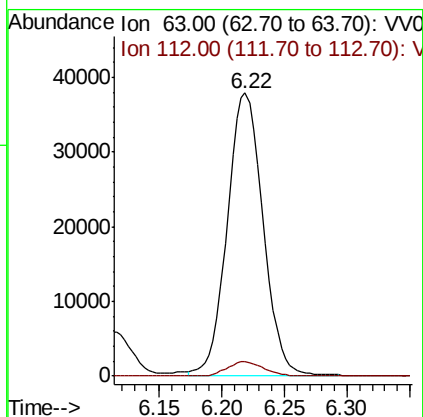
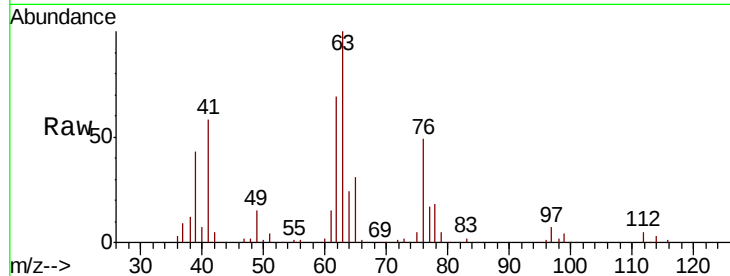




#37
 1,2-Dichloropropane
 Concen: 51.103 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

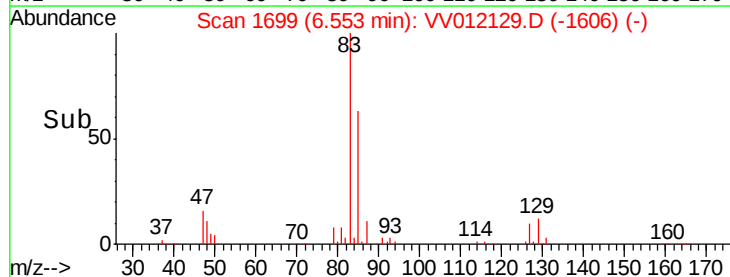
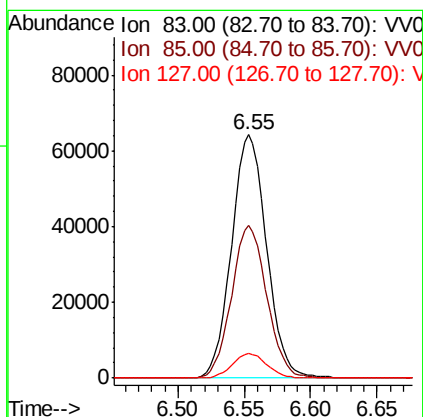
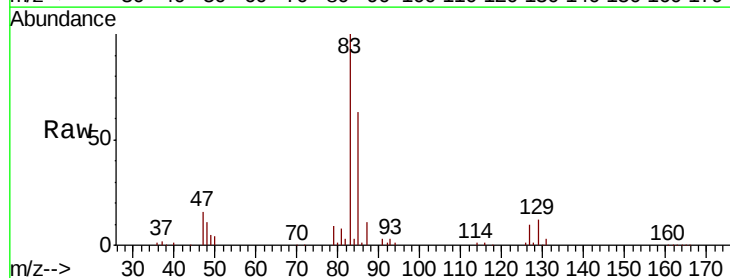
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

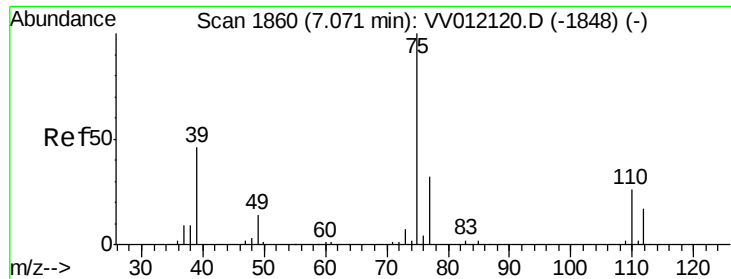
Tgt Ion: 63 Resp: 75458
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.2 6.2



#38
 Bromodichloromethane
 Concen: 50.837 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion: 83 Resp: 118089
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.0 83.6
 127 10.3 7.9 11.9

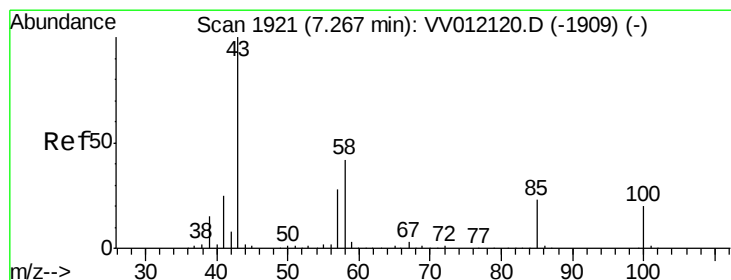
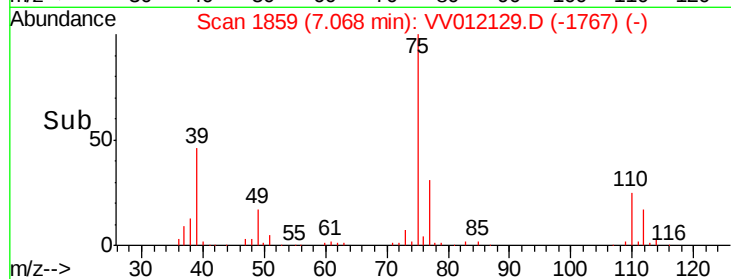
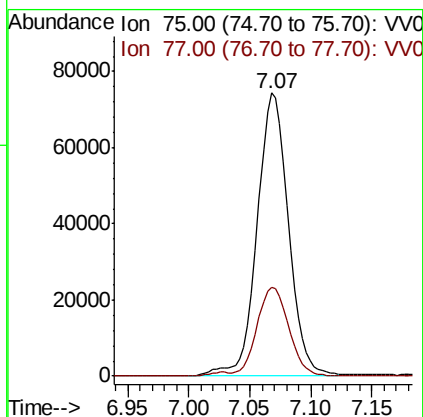
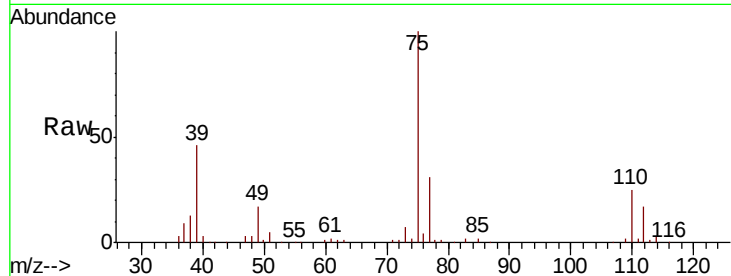




#39
 cis-1,3-Dichloropropene
 Concen: 51.078 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

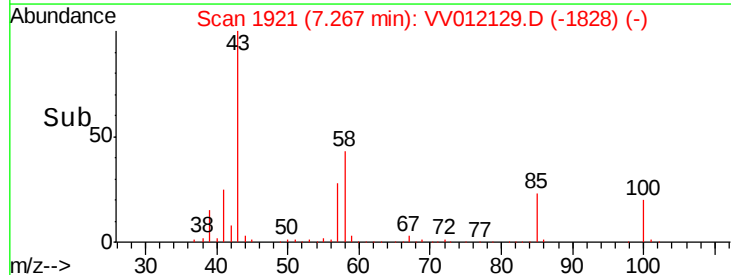
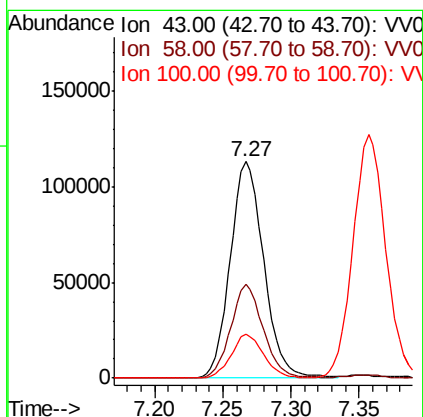
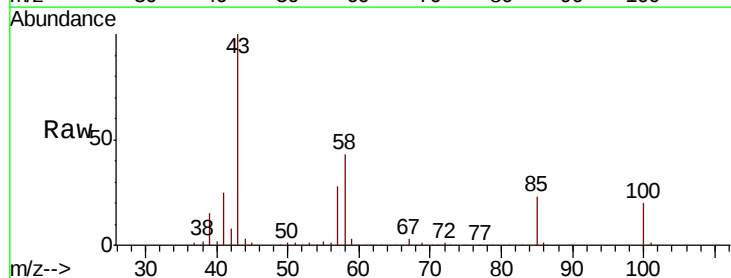
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

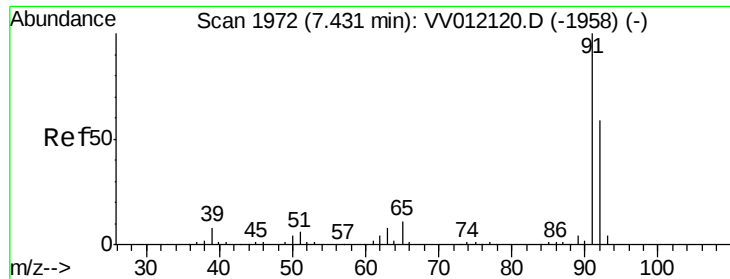
Tgt Ion: 75 Resp: 132972
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 101.882 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion: 43 Resp: 193620
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.2
 100 19.5 15.0 22.4





#42

Toluene

Concen: 51.201 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

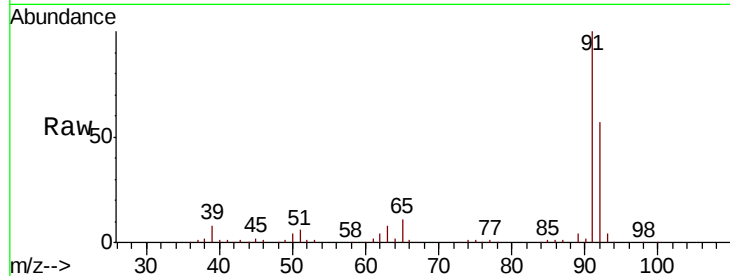
VSTD05070

Tgt Ion: 91 Resp: 344414

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV012129.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VV012129.D (-1879) (-)

7.43

200000

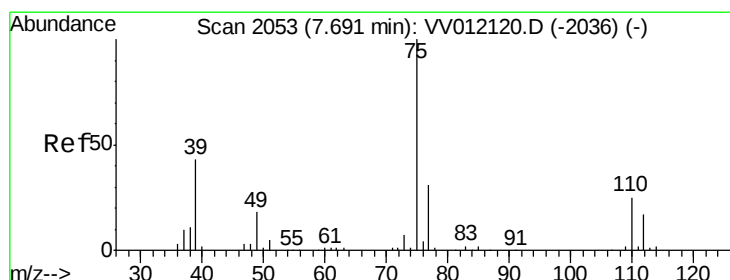
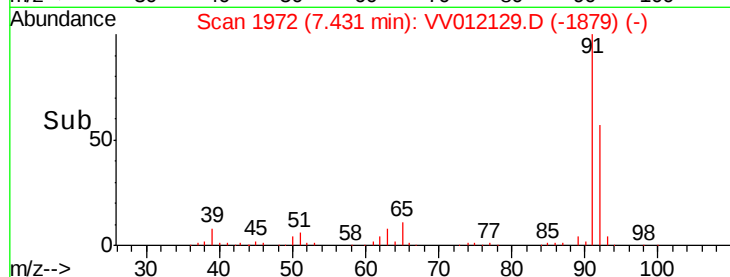
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.342 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012129.D

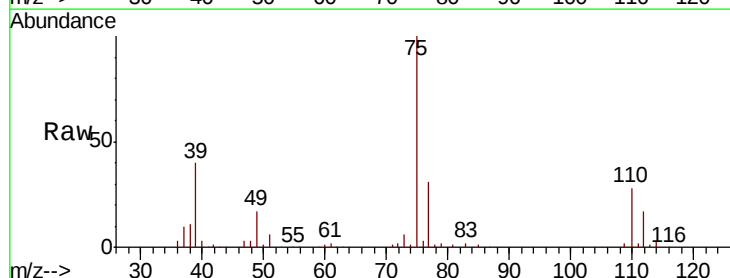
Acq: 07 Aug 2019 15:52

Tgt Ion: 75 Resp: 123712

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV012129.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV012129.D (-1960) (-)

7.69

80000

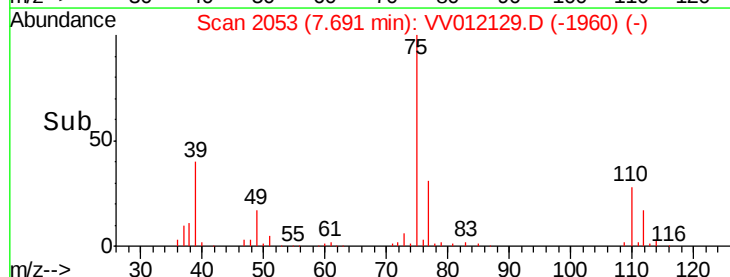
60000

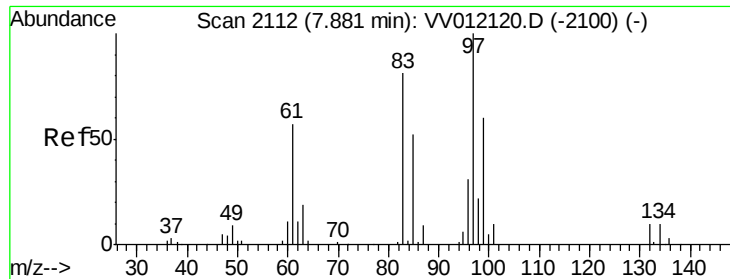
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.020 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 97 Resp: 81208

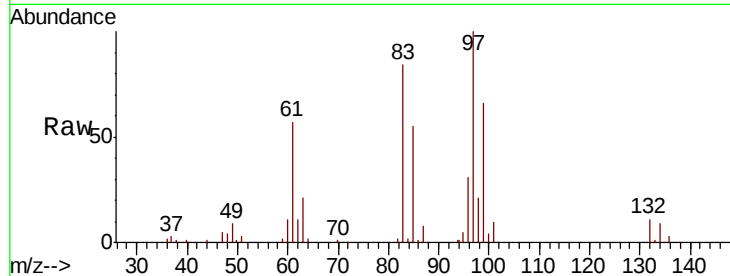
Ion Ratio Lower Upper

97 100

99 66.1 47.2 87.6

83 83.6 58.0 107.6

85 55.1 38.0 70.6

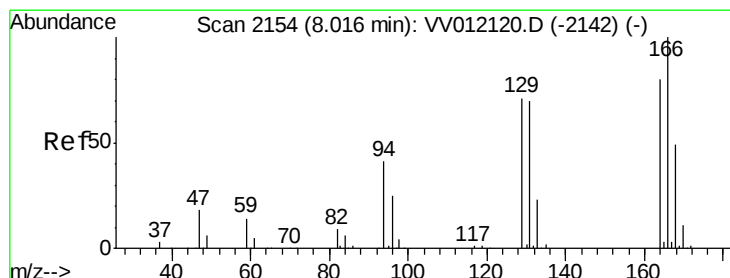
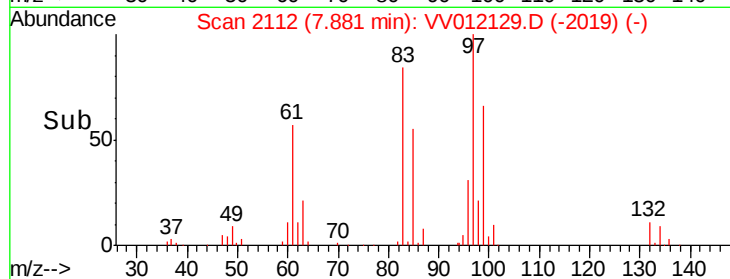
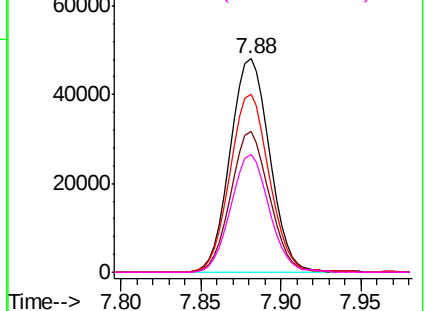


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.802 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Tgt Ion: 164 Resp: 81212

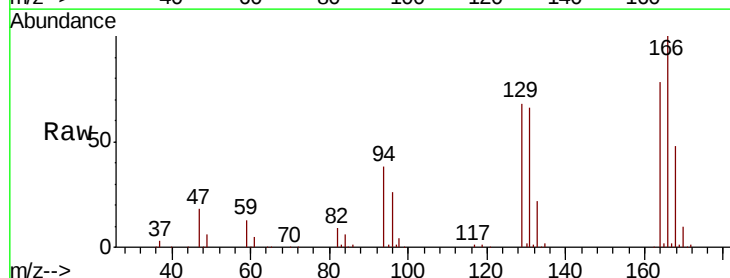
Ion Ratio Lower Upper

164 100

129 87.6 64.3 119.5

131 85.0 60.1 111.7

166 128.0 91.8 170.6

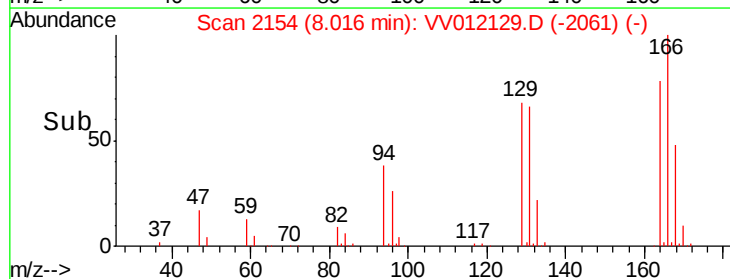
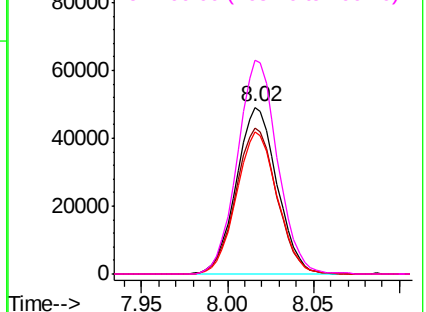


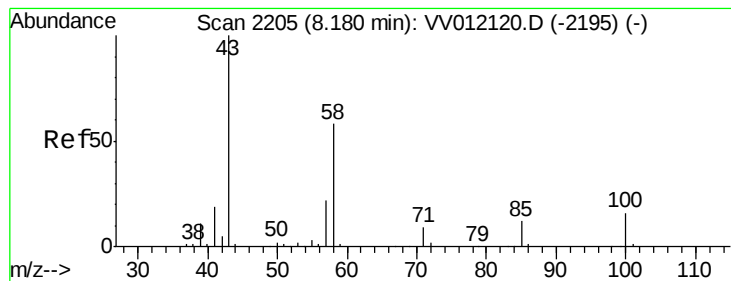
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 106.669 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 43 Resp: 152832

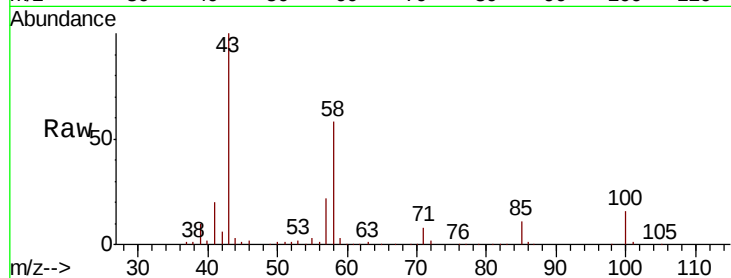
Ion Ratio Lower Upper

43 100

58 56.3 45.6 68.4

57 21.2 17.0 25.6

100 15.4 11.5 17.3

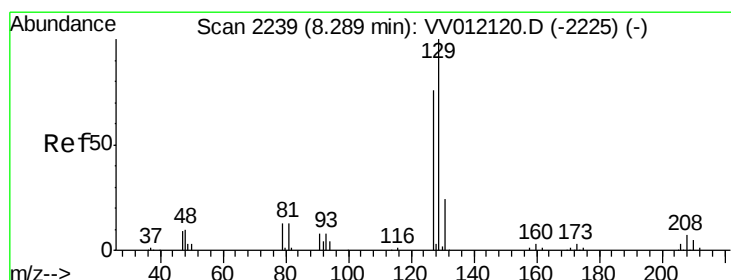
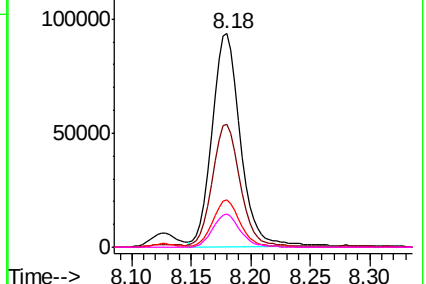
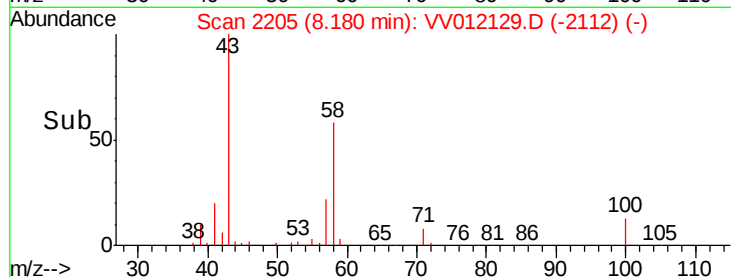


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 51.645 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV012129.D

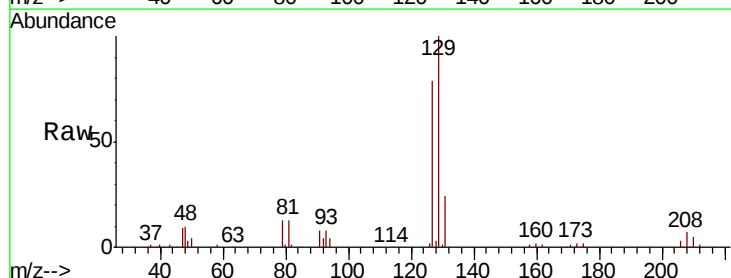
Acq: 07 Aug 2019 15:52

Tgt Ion: 129 Resp: 106673

Ion Ratio Lower Upper

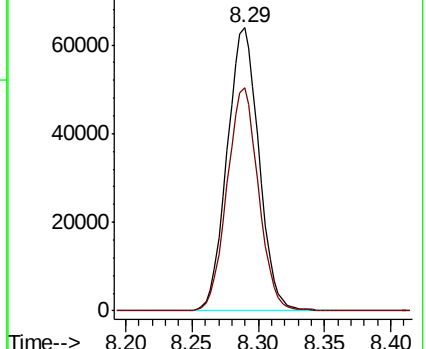
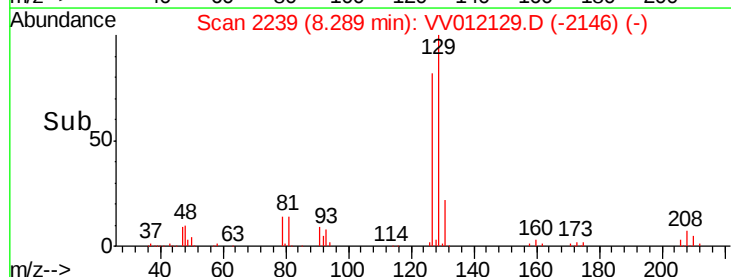
129 100

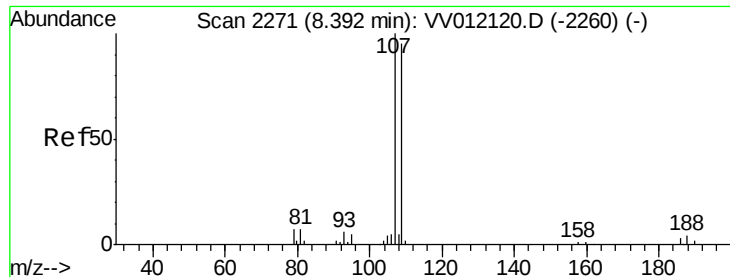
127 78.7 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

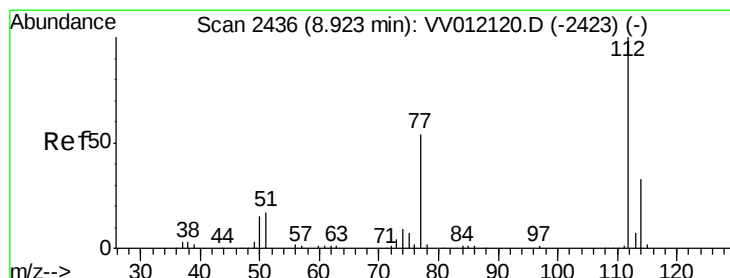
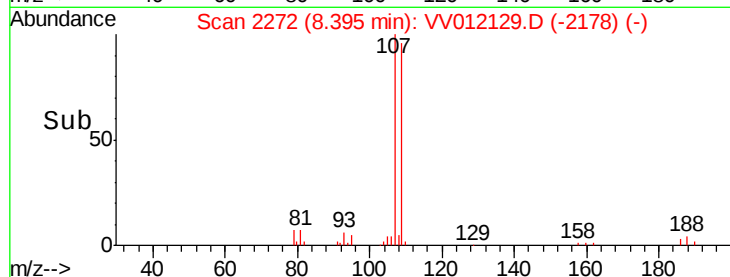
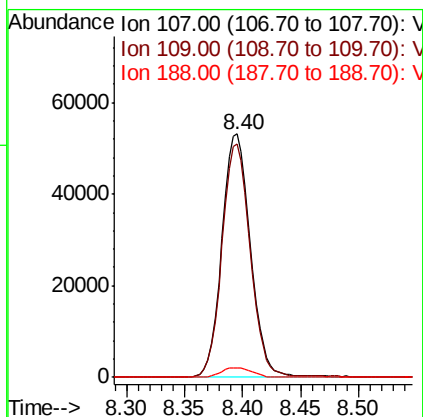
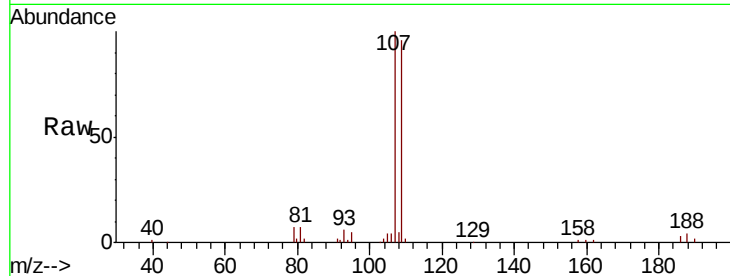




#50
1,2-Dibromoethane
Concen: 51.388 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

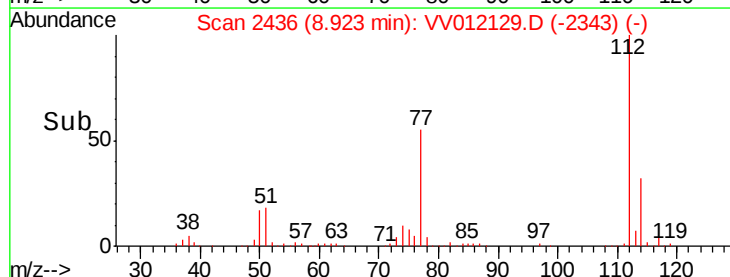
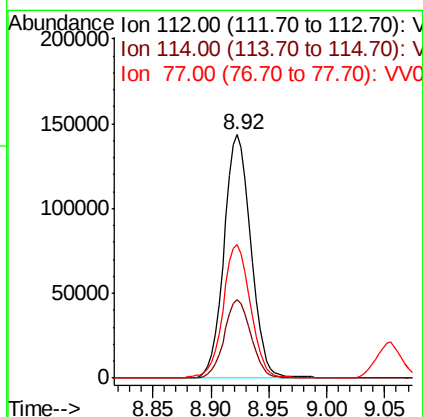
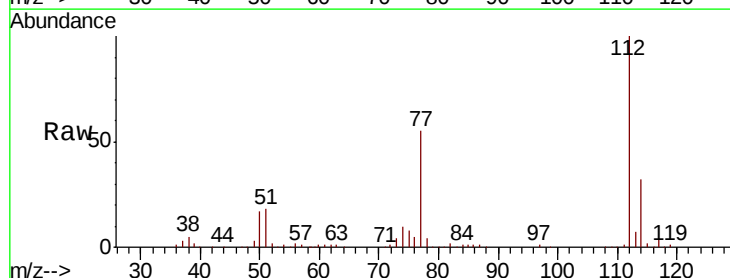
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

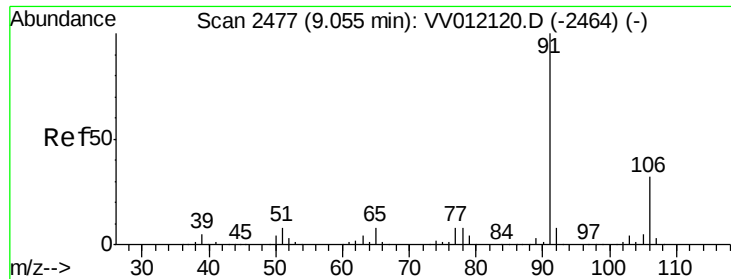
Tgt Ion:107 Resp: 90459
Ion Ratio Lower Upper
107 100
109 95.9 67.0 124.4
188 4.0 3.9 5.9



#51
Chlorobenzene
Concen: 50.992 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Tgt Ion:112 Resp: 231260
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 54.8 44.7 67.1





#52

Ethylbenzene

Concen: 51.468 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

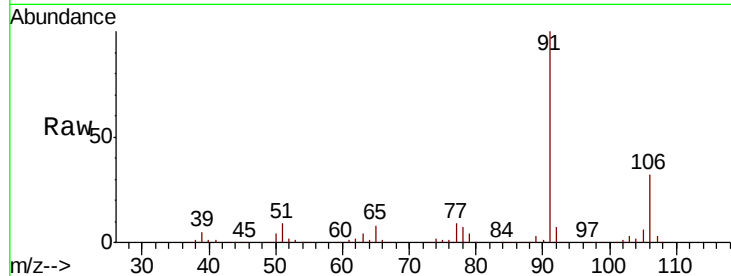
VSTD05070

Tgt Ion: 91 Resp: 388458

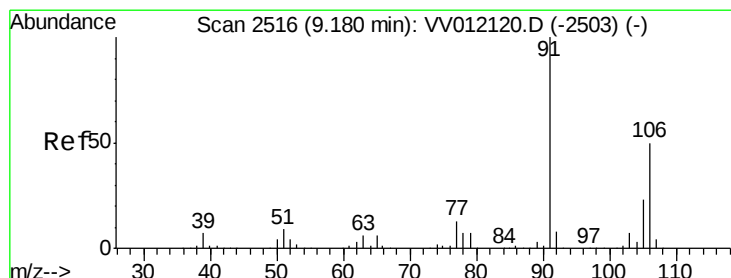
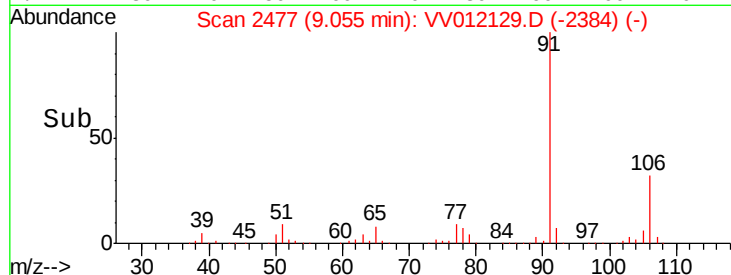
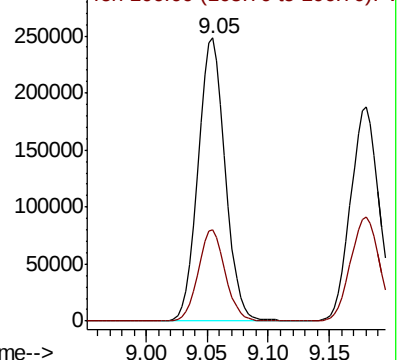
Ion Ratio Lower Upper

91 100

106 32.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV012129.D (-2384) (-)



#53

m,p-Xylene

Concen: 51.378 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012129.D

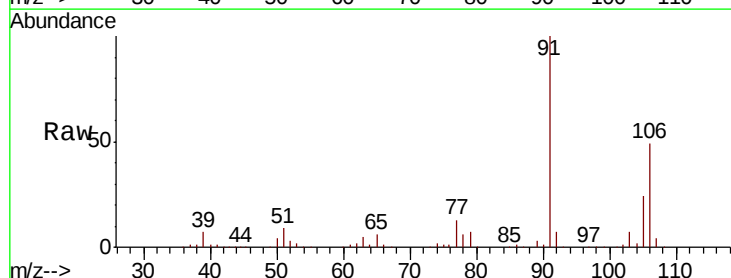
Acq: 07 Aug 2019 15:52

Tgt Ion: 106 Resp: 149594

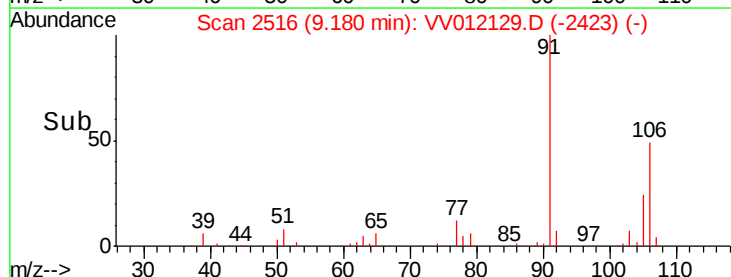
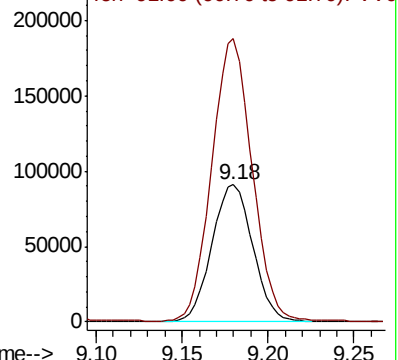
Ion Ratio Lower Upper

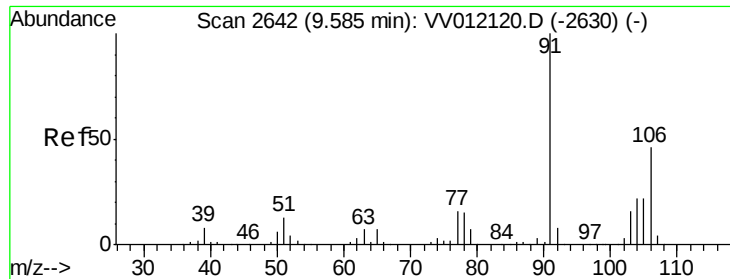
106 100

91 206.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV012129.D (-2423) (-)

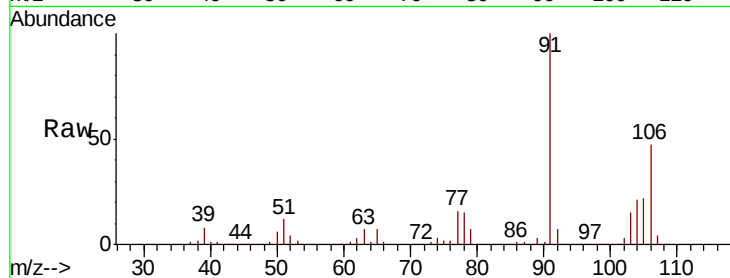




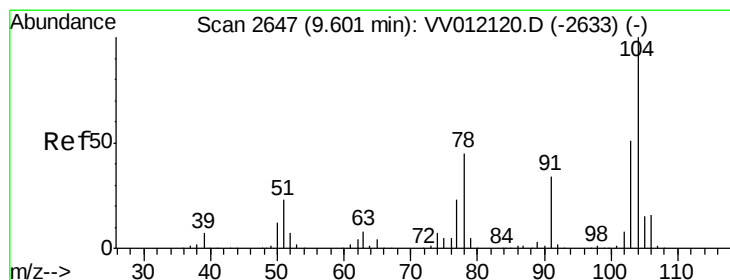
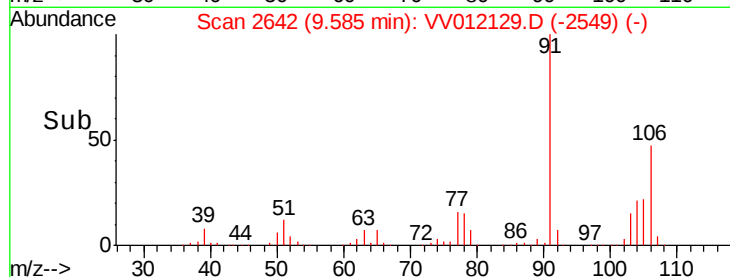
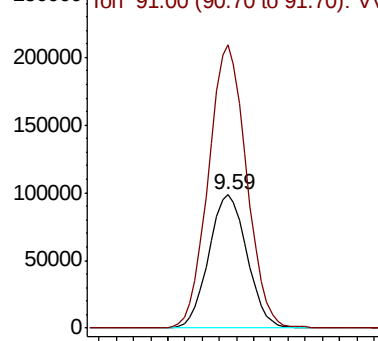
#54
o-Xylene
Concen: 52.637 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:106 Resp: 152081
Ion Ratio Lower Upper
106 100
91 212.7 150.4 279.2

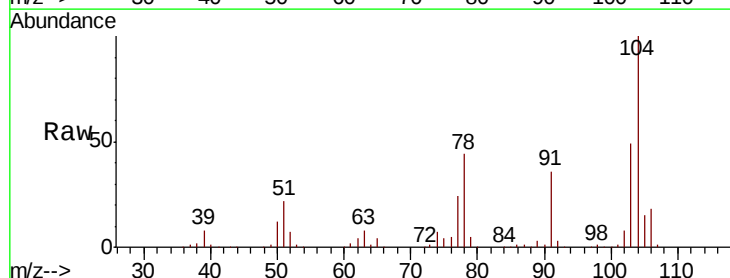


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

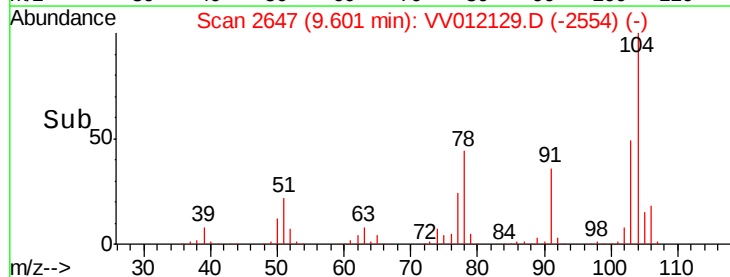
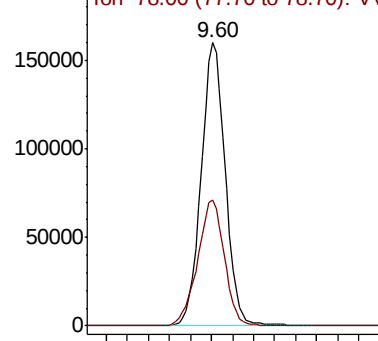


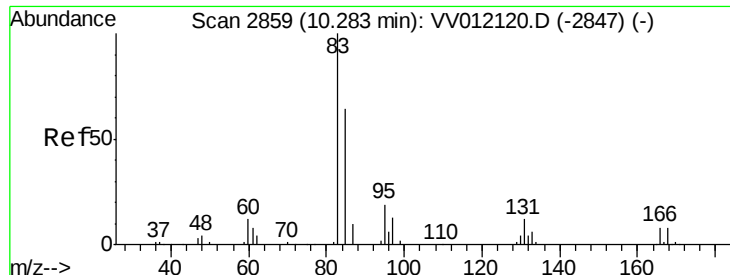
#55
Styrene
Concen: 51.898 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Tgt Ion:104 Resp: 252593
Ion Ratio Lower Upper
104 100
78 44.5 32.0 59.4



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

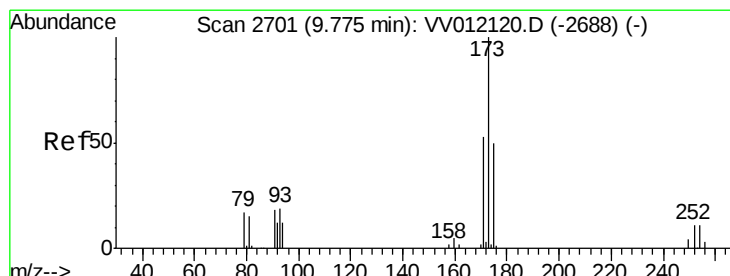
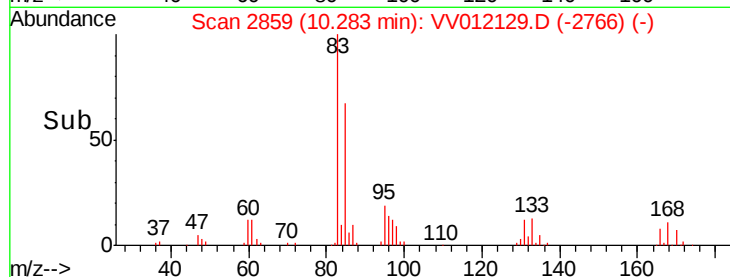
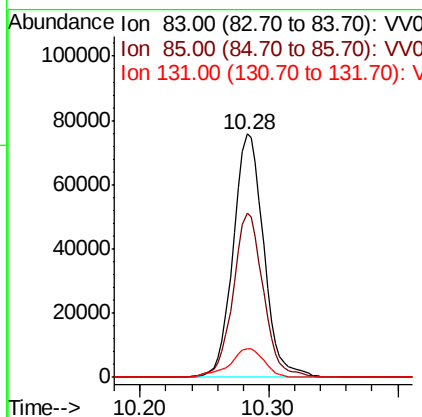
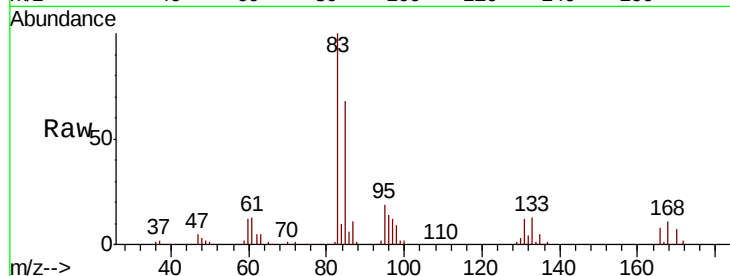




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.856 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

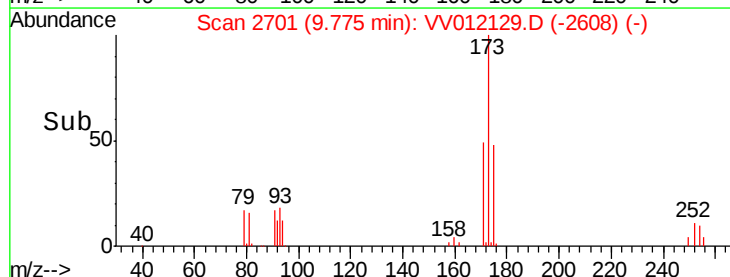
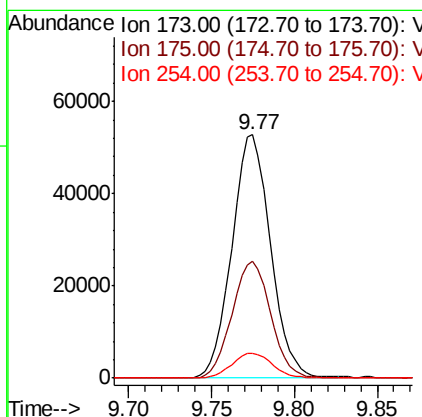
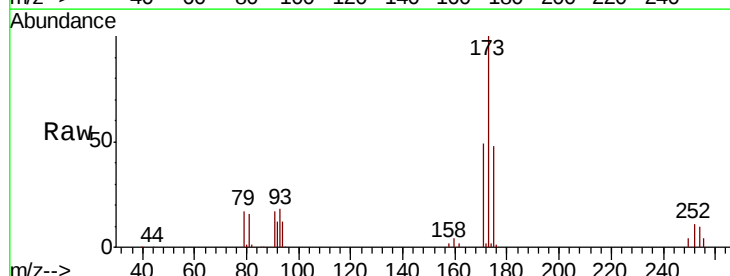
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

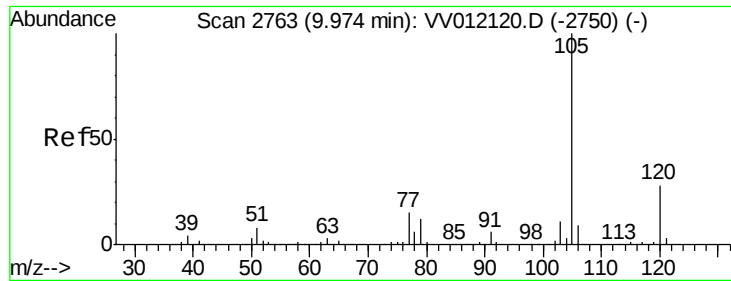
Tgt Ion: 83 Resp: 124482
 Ion Ratio Lower Upper
 83 100
 85 67.7 44.6 82.8
 131 11.9 9.3 13.9



#59
 Bromoform
 Concen: 52.302 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion: 173 Resp: 85606
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.3 57.5
 254 10.6 8.9 13.3





#60

Isopropylbenzene

Concen: 52.543 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

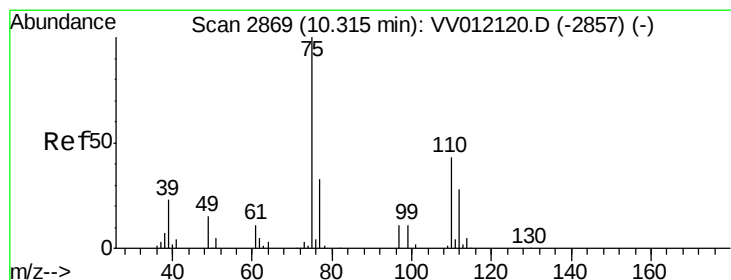
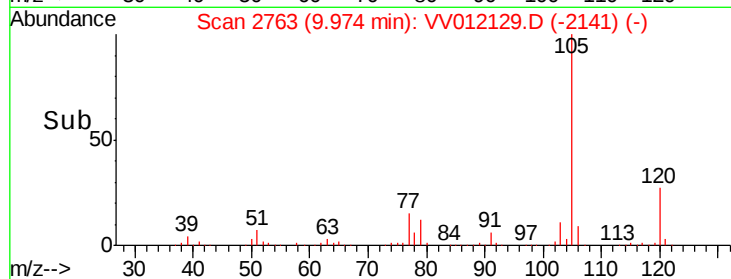
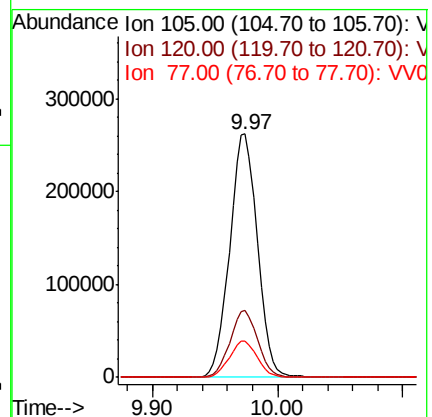
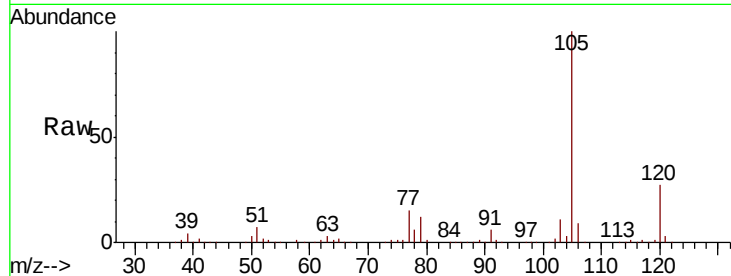
Tgt Ion: 105 Resp: 401359

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

77 15.0 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 52.505 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

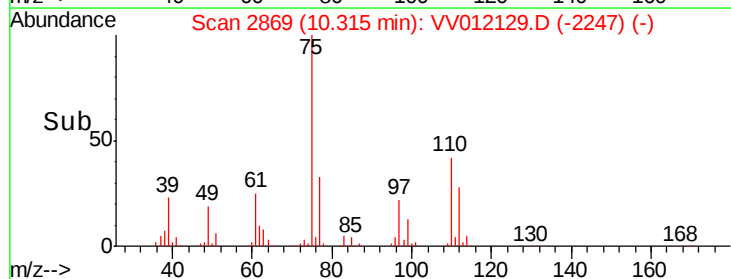
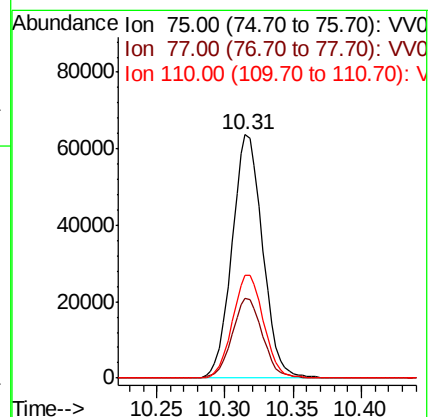
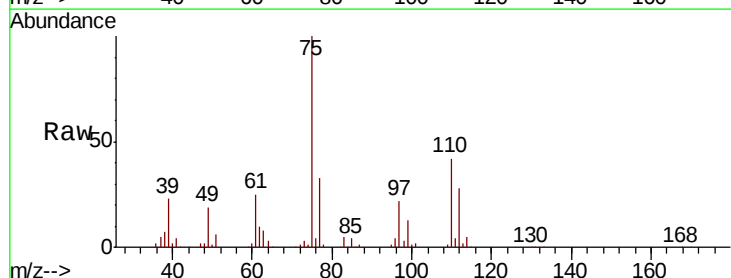
Tgt Ion: 75 Resp: 99486

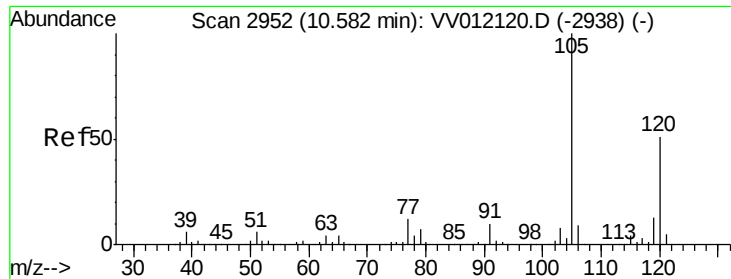
Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

110 43.1 34.2 51.4

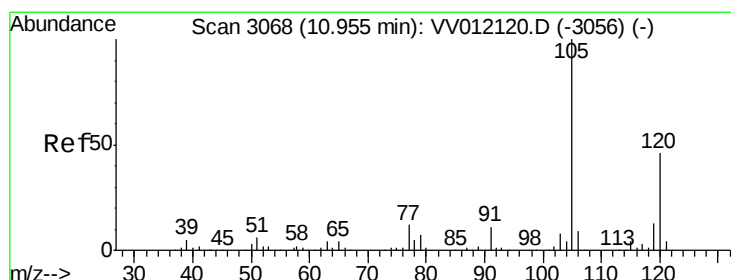
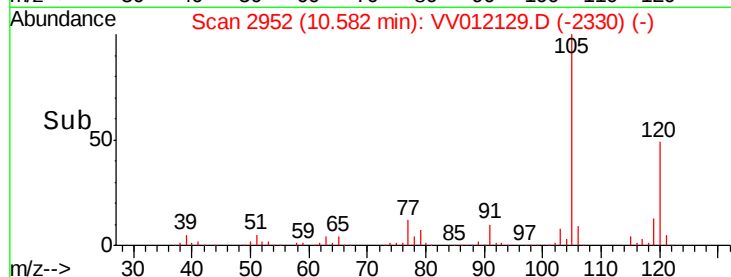
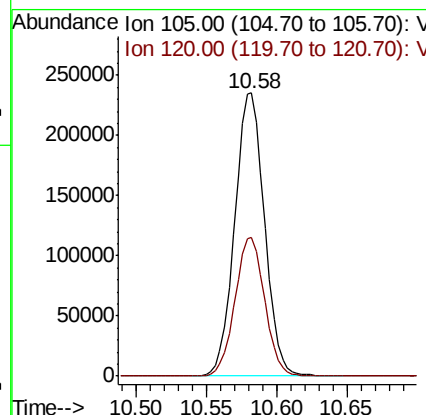
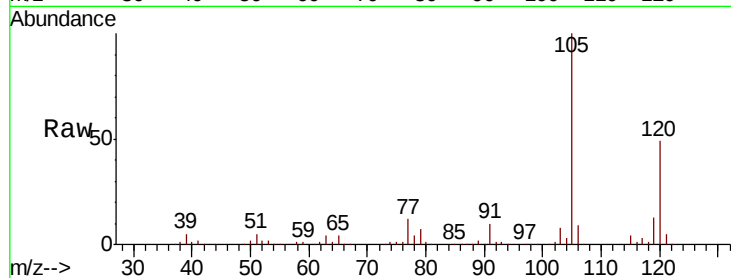




#62
 1,3,5-Trimethylbenzene
 Concen: 52.801 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

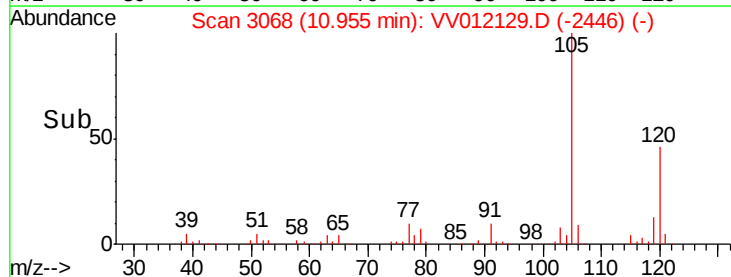
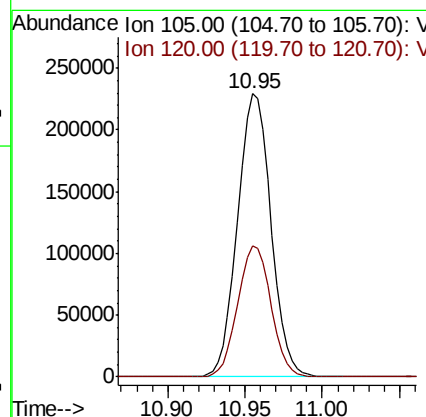
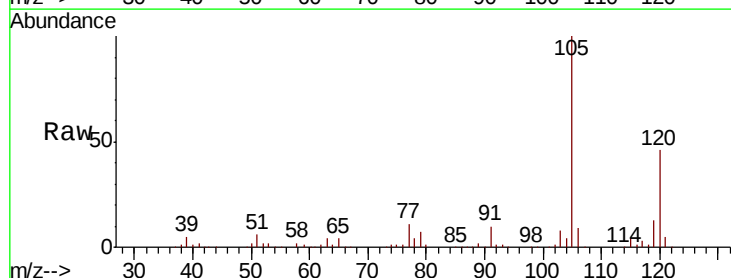
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

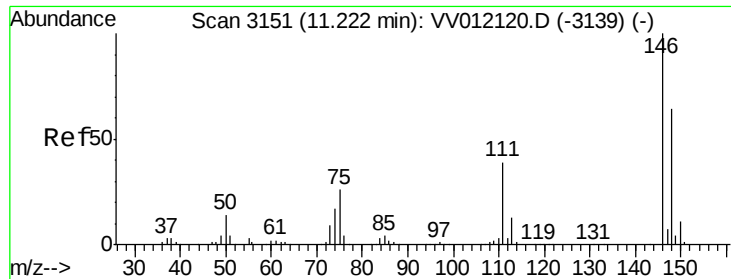
Tgt Ion:105 Resp: 348678
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 52.717 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion:105 Resp: 343587
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.7 55.1

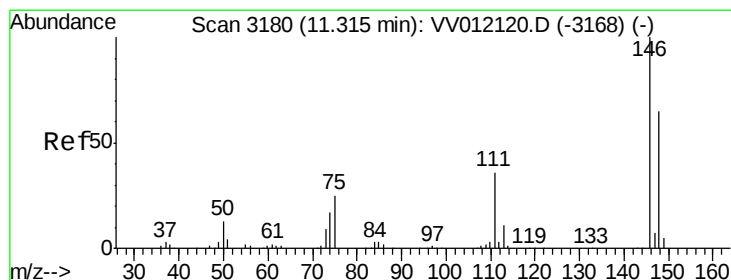
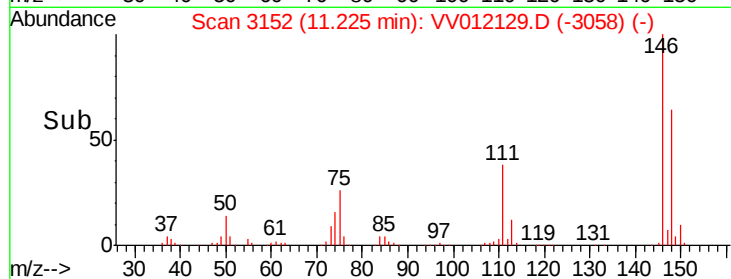
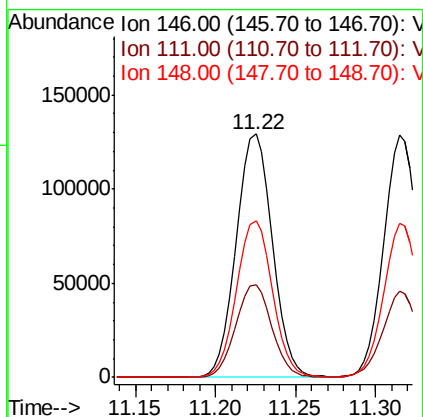
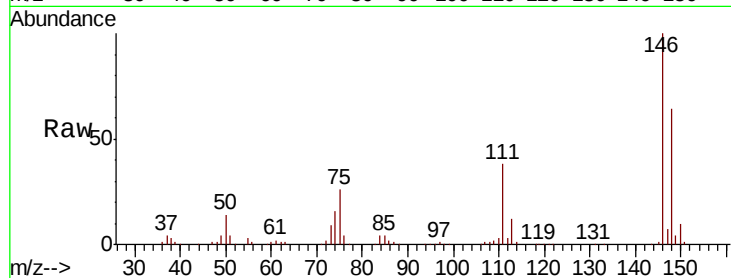




#64
 1,3-Dichlorobenzene
 Concen: 51.787 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

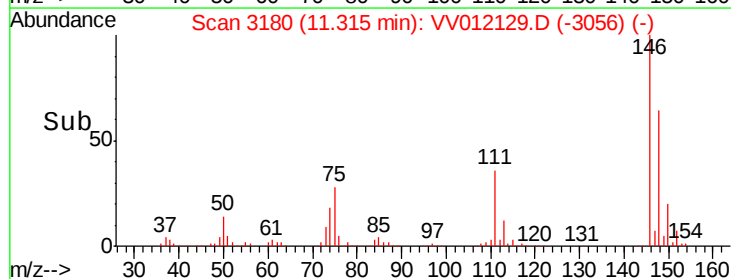
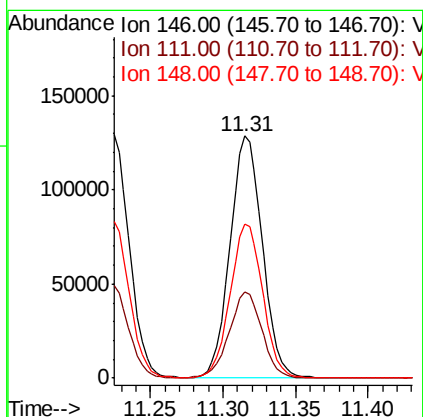
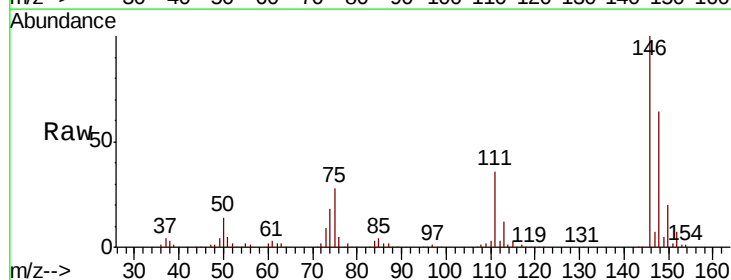
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

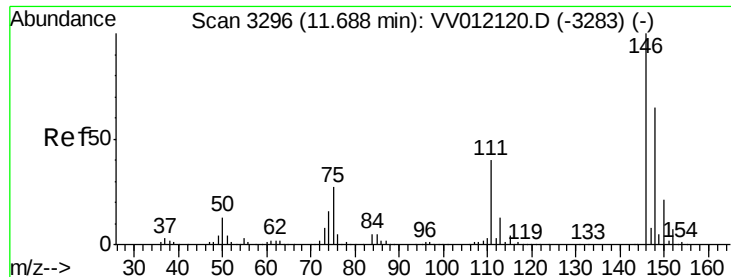
Tgt Ion:146 Resp: 199594
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.8 49.8
 148 64.4 44.6 82.8



#65
 1,4-Dichlorobenzene
 Concen: 50.770 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion:146 Resp: 197789
 Ion Ratio Lower Upper
 146 100
 111 35.7 25.8 47.8
 148 63.8 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 51.378 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

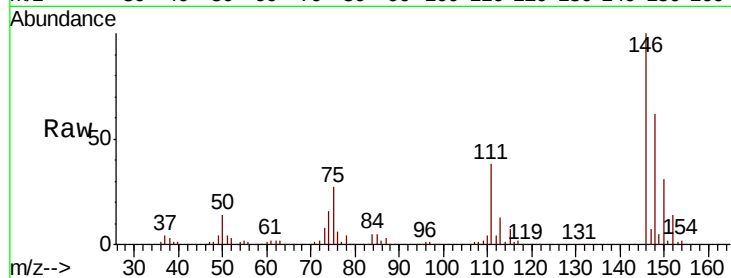
Tgt Ion: 146 Resp: 202041

Ion Ratio Lower Upper

146 100

111 37.9 32.2 48.2

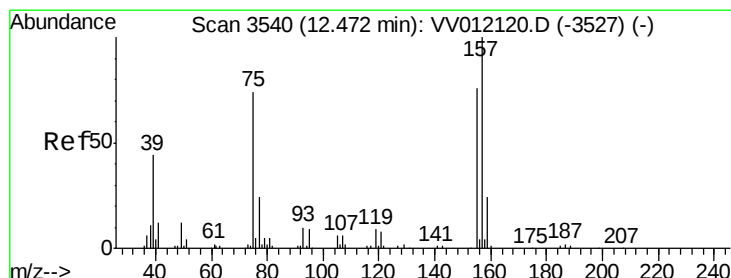
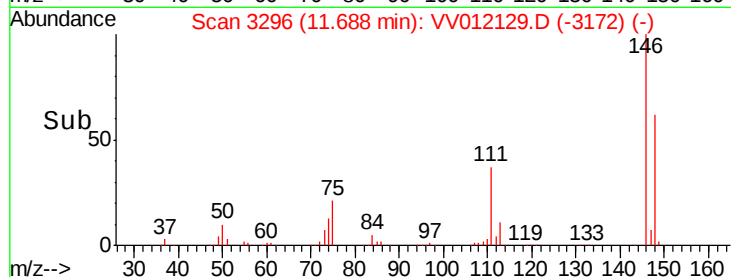
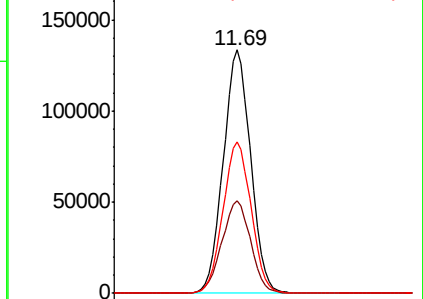
148 62.0 53.2 79.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 50.000 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012129.D

Acq: 07 Aug 2019 15:52

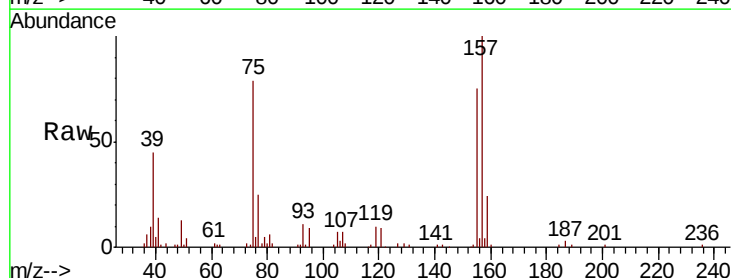
Tgt Ion: 75 Resp: 31223

Ion Ratio Lower Upper

75 100

155 95.1 81.2 121.8

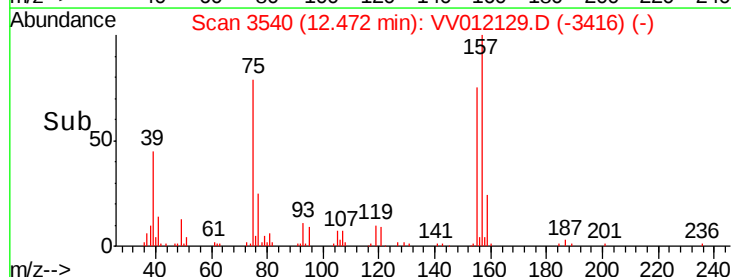
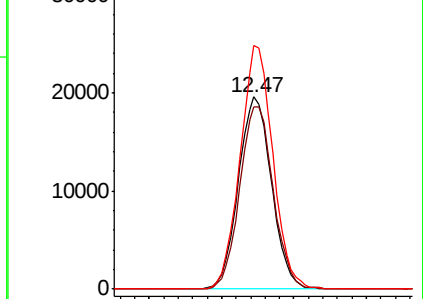
157 126.9 102.3 153.5

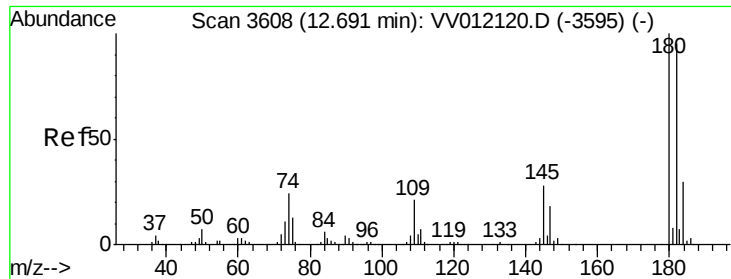


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

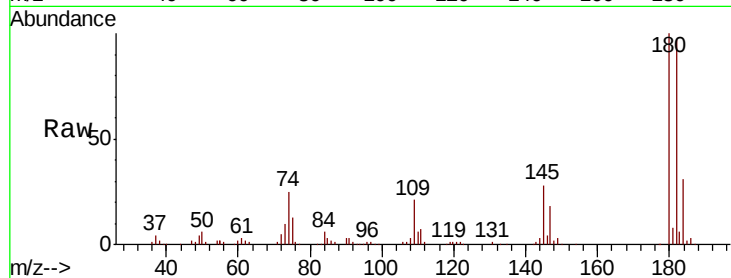




#69
 1,3,5-Trichlorobenzene
 Concen: 51.659 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.5	114.7
184	30.5	24.6	36.8
145	28.2	22.5	33.7



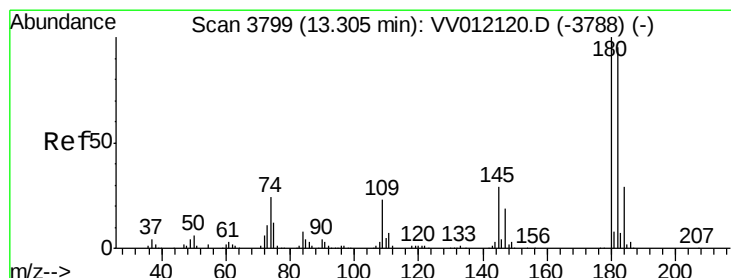
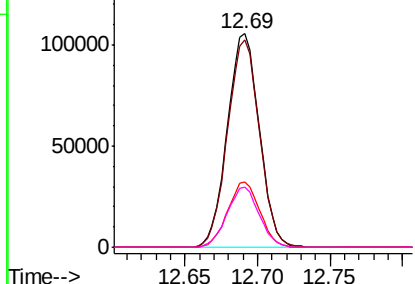
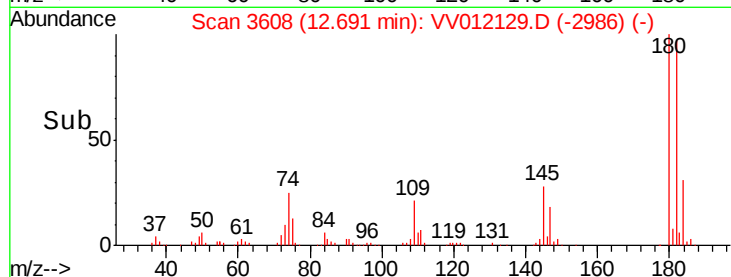
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

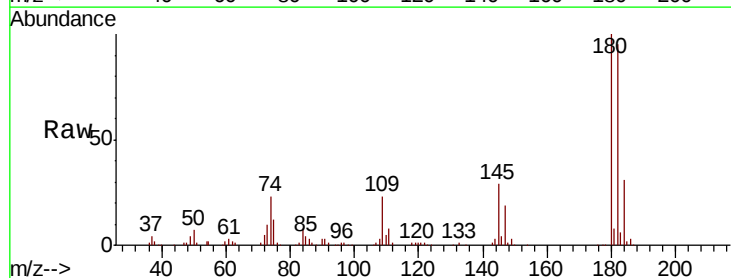
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.632 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012129.D
 Acq: 07 Aug 2019 15:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	29.7	23.3	34.9

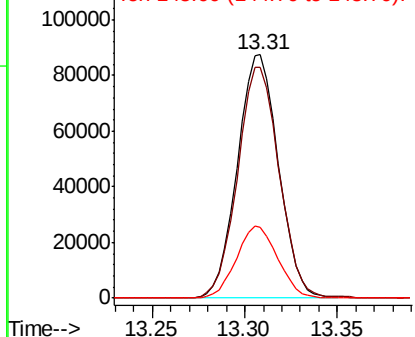
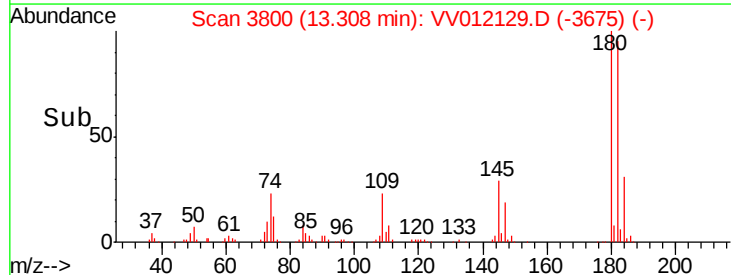


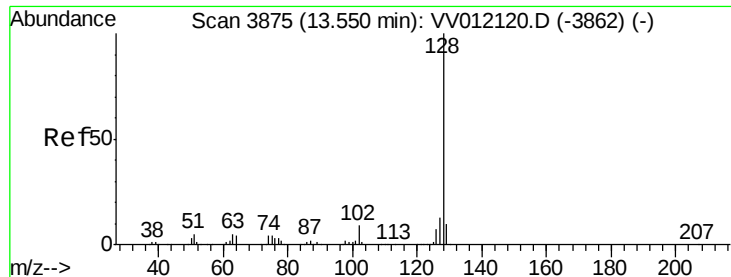
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

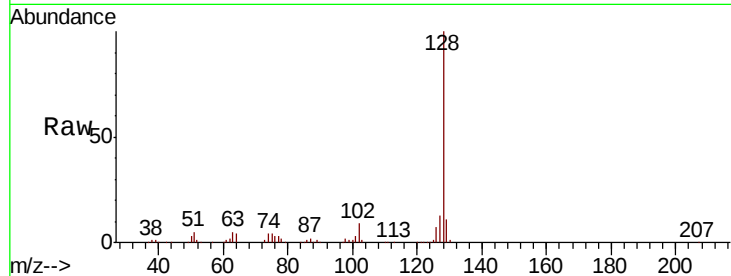




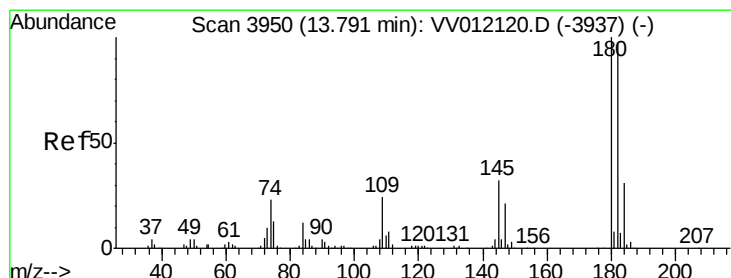
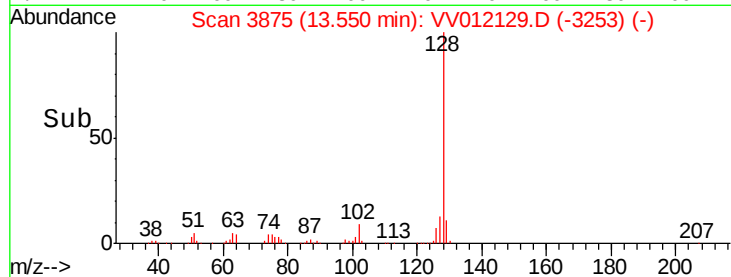
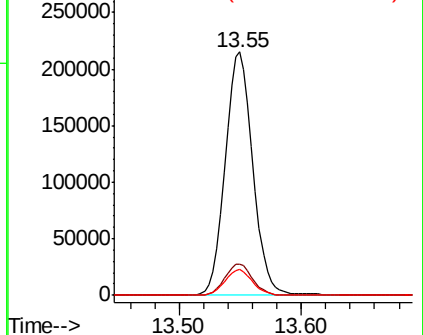
#71
Naphthalene
Concen: 49.802 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:128 Resp: 341938
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.7 8.6 12.8

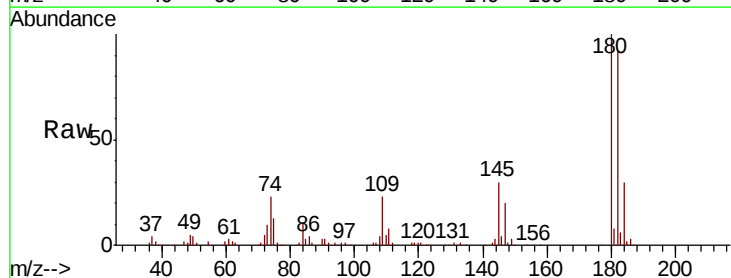


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 51.157 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012129.D
Acq: 07 Aug 2019 15:52

Tgt Ion:180 Resp: 139461
Ion Ratio Lower Upper
180 100
182 94.9 77.2 115.8
145 30.9 24.6 36.8



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

