

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012120.D
 Acq On : 07 Aug 2019 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Aug 08 01:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 18:21:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273248	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	260171	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	152968	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63535	42.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.08%
7) Chloroethane-d5	1.58	69	41571	39.21	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.42%
11) 1,1-Dichloroethene-d2	2.13	63	108273	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.62%
21) 2-Butanone-d5	3.92	46	100200	92.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.07%
24) Chloroform-d	4.40	84	167463	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
26) 1,2-Dichloroethane-d4	5.08	65	112566	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.10	84	317896	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.92%
36) 1,2-Dichloropropane-d6	6.11	67	91717	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.58%
41) Toluene-d8	7.36	98	316108	43.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.58%
43) trans-1,3-Dichloropropene-	7.66	79	56188	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.13	63	82608	91.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.72%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	142579	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
66) 1,2-Dichlorobenzene-d4	11.67	152	159643	44.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	115123	59.650	ug/L 99
3) Chloromethane	1.25	50	74077	54.055	ug/L 98
5) Vinyl chloride	1.32	62	67724	51.199	ug/L 99
6) Bromomethane	1.53	94	39777	51.796	ug/L 100
8) Chloroethane	1.60	64	32410	46.784	ug/L 97
9) Trichlorofluoromethane	1.77	101	112542	52.328	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	53781	51.011	ug/L 95
12) 1,1-Dichloroethene	2.14	96	47745	48.093	ug/L 96
13) Acetone	2.18	43	77729	104.751	ug/L 99
14) Carbon disulfide	2.32	76	162676	48.490	ug/L 98
15) Methyl Acetate	2.45	43	60048	46.250	ug/L 95
16) Methylene chloride	2.53	84	74001	49.128	ug/L 96
17) trans-1,2-Dichloroethene	2.79	96	71210	50.798	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	251064	52.122	ug/L 99
19) 1,1-Dichloroethane	3.23	63	128466	50.253	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	85111	51.546	ug/L 99
22) 2-Butanone	4.01	43	98136	102.620	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
 Data File : VV012120.D
 Acq On : 07 Aug 2019 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Aug 08 01:10:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 07 18:21:59 2019
 Response via : Initial Calibration

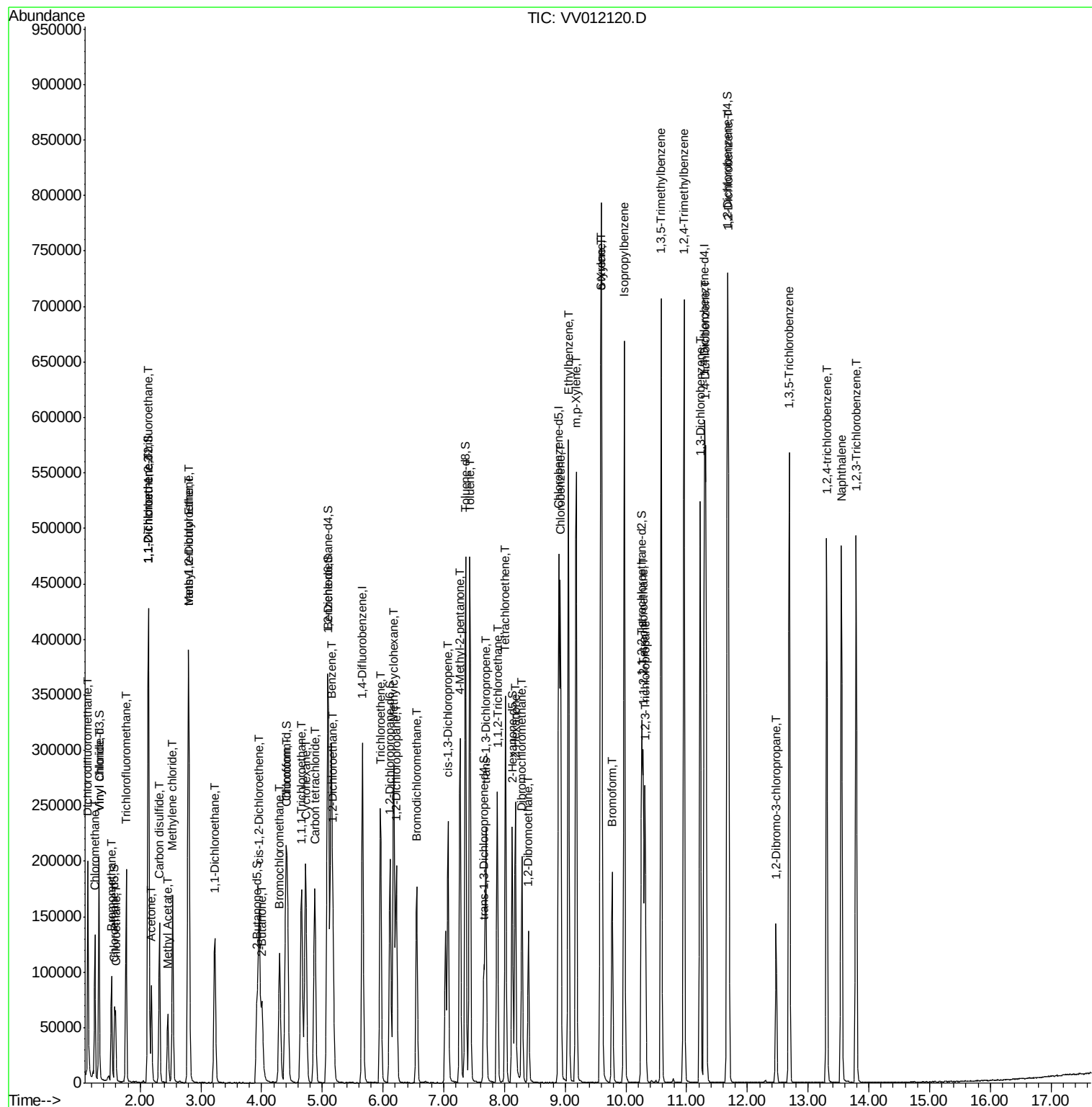
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47470	52.283	ug/L	93
25) Chloroform	4.42	83	151838	52.399	ug/L	100
27) 1,2-Dichloroethane	5.18	62	119962	53.265	ug/L	97
29) Cyclohexane	4.72	56	107160	49.257	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	144486	52.280	ug/L	100
31) Carbon tetrachloride	4.87	117	135497	52.848	ug/L	98
33) Benzene	5.15	78	299916	50.078	ug/L	100
34) Trichloroethene	5.96	95	83704	50.284	ug/L	99
35) Methylcyclohexane	6.18	83	128659	51.928	ug/L	99
37) 1,2-Dichloropropane	6.22	63	71593	49.010	ug/L	100
38) Bromodichloromethane	6.55	83	118418	51.530	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	130596	50.708	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	186299	99.090	ug/L	99
42) Toluene	7.43	91	344665	51.793	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	128163	52.717	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	80825	51.328	ug/L	95
46) Tetrachloroethene	8.02	164	81946	52.835	ug/L	96
48) 2-Hexanone	8.18	43	147135	103.804	ug/L	99
49) Dibromochloromethane	8.29	129	108646	53.170	ug/L	99
50) 1,2-Dibromoethane	8.39	107	88908	51.053	ug/L	99
51) Chlorobenzene	8.92	112	241079	53.732	ug/L	99
52) Ethylbenzene	9.05	91	404438	54.164	ug/L	99
53) m,p-Xylene	9.18	106	158683	55.089	ug/L	95
54) o-Xylene	9.59	106	156069	54.602	ug/L	100
55) Styrene	9.60	104	268233	55.707	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	128817	53.197	ug/L	99
59) Bromoform	9.77	173	90453	50.411	ug/L	98
60) Isopropylbenzene	9.97	105	429680	51.312	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	103589	49.870	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	381661	52.721	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	382076	53.475	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	226075	53.507	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	222938	52.201	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	226587	52.561	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	33452	48.866	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	187164	54.645	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	162463	54.706	ug/L	98
71) Naphthalene	13.55	128	396744	52.711	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	159850	53.488	ug/L	99

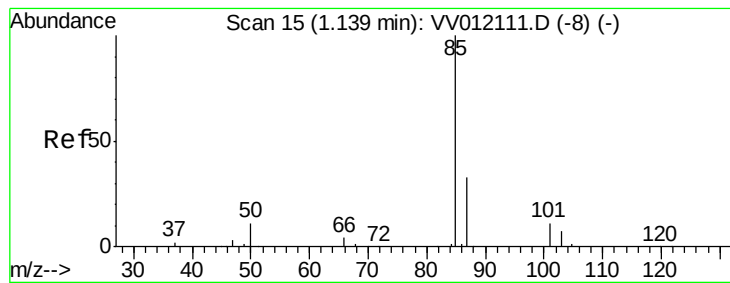
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV080719\
Data File : VV012120.D
Acq On : 07 Aug 2019 11:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Quant Time: Aug 08 01:10:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 07 18:21:59 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 59.650 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

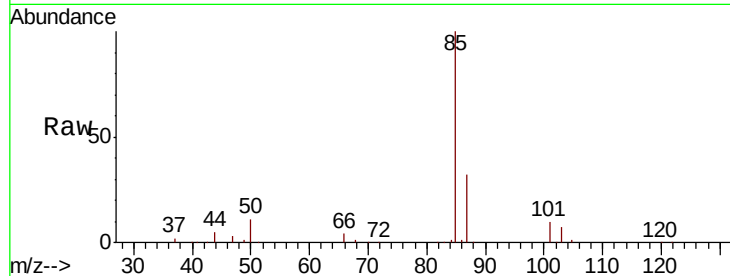
VSTD05069

Tgt Ion: 85 Resp: 115123

Ion Ratio Lower Upper

85 100

87 32.1 25.3 37.9



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

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

1.14

120000

100000

80000

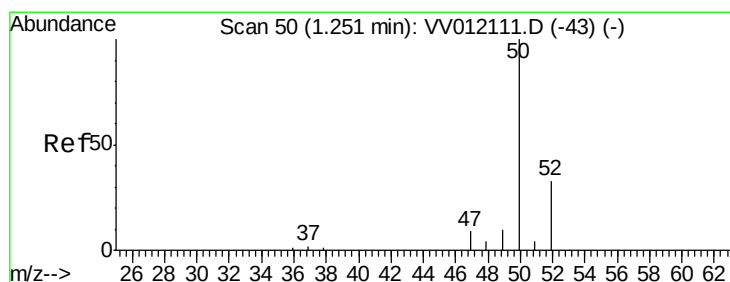
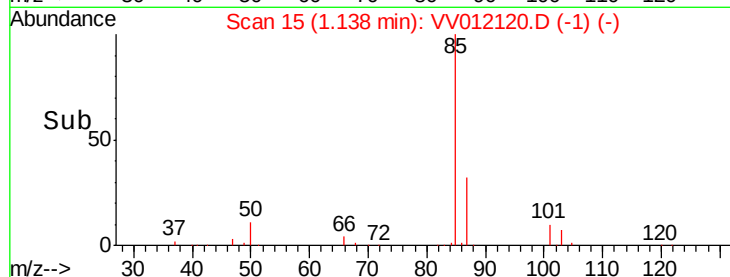
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 54.055 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012120.D

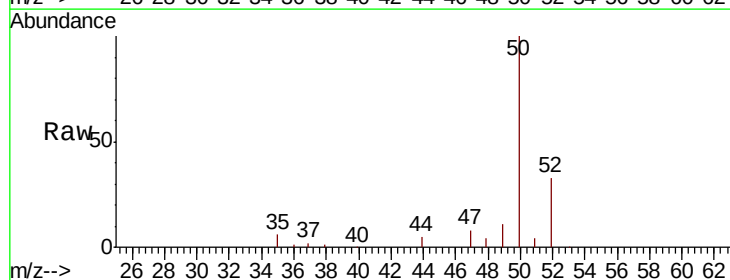
Acq: 07 Aug 2019 11:39

Tgt Ion: 50 Resp: 74077

Ion Ratio Lower Upper

50 100

52 33.2 23.9 44.3



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

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

1.25

80000

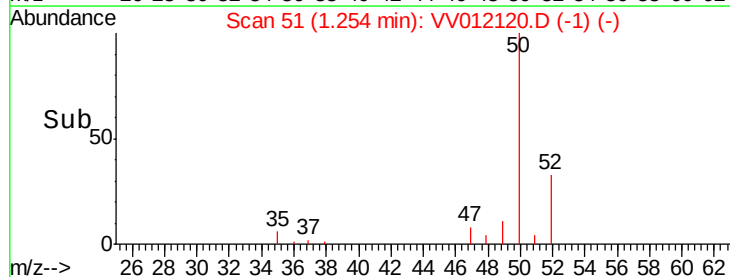
60000

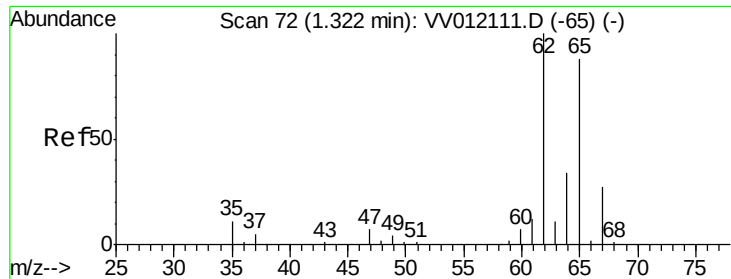
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 51.199 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

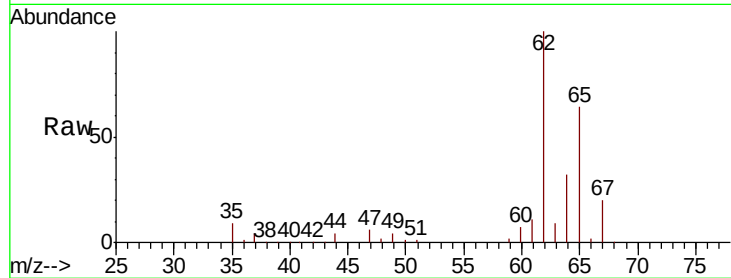
VSTD05069

Tgt Ion: 62 Resp: 67724

Ion Ratio Lower Upper

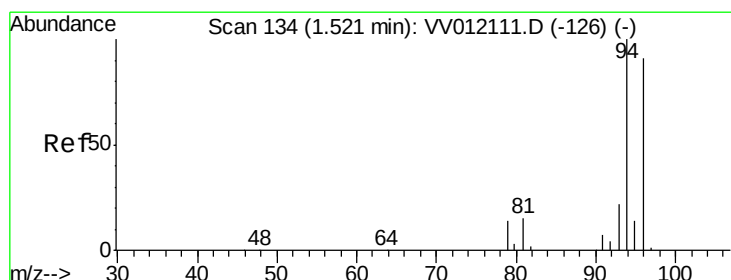
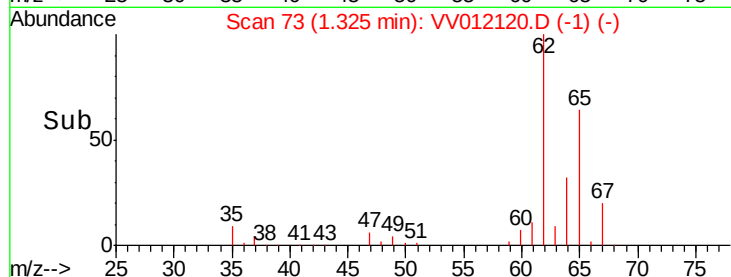
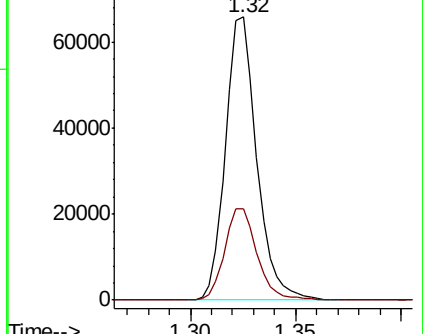
62 100

64 32.2 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: 51.796 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV012120.D

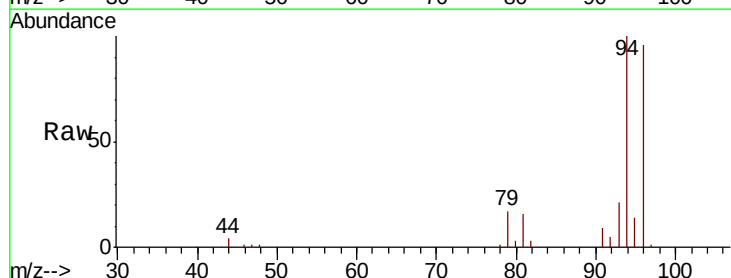
Acq: 07 Aug 2019 11:39

Tgt Ion: 94 Resp: 39777

Ion Ratio Lower Upper

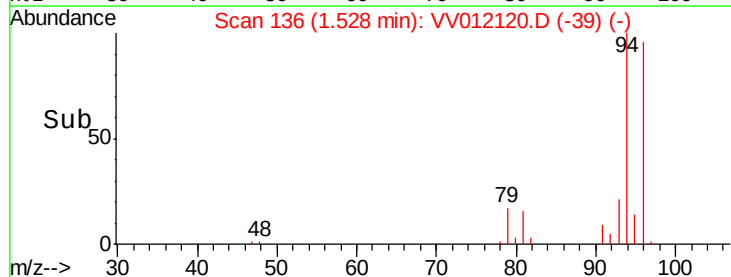
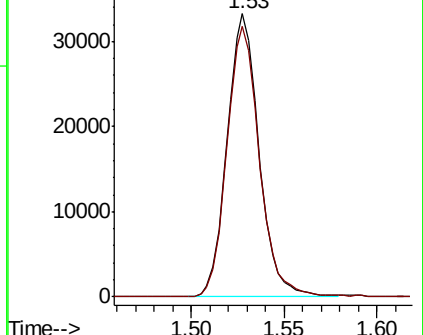
94 100

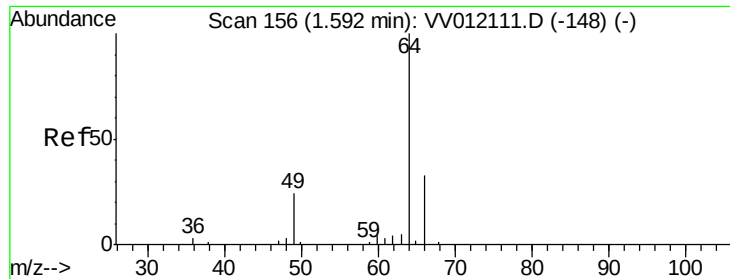
96 95.8 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.784 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

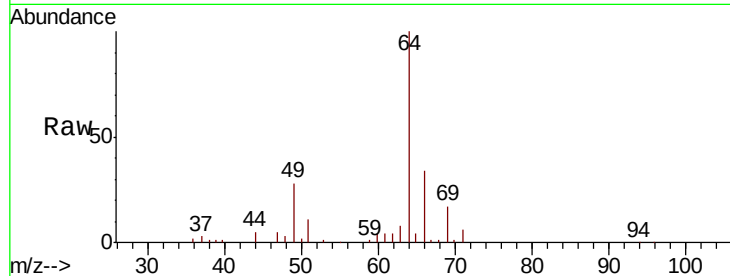
VSTD05069

Tgt Ion: 64 Resp: 32410

Ion Ratio Lower Upper

64 100

66 34.2 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV012111.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV012120.D (-29) (-)

1.60

25000

20000

15000

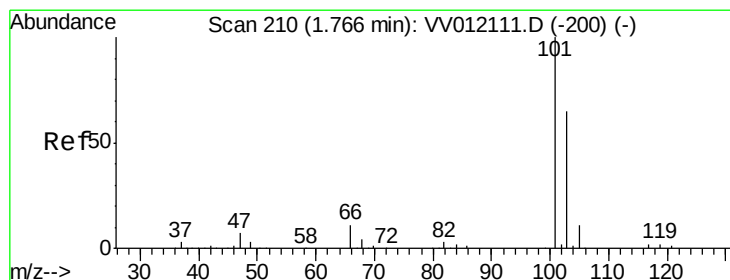
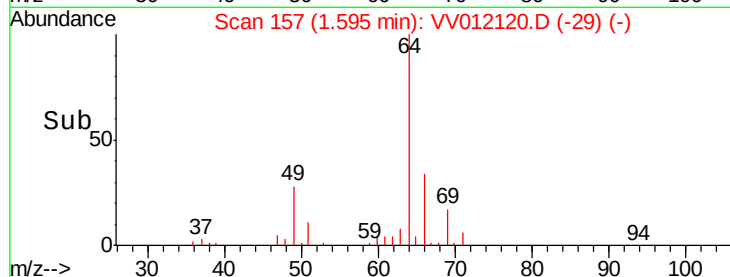
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 52.328 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV012120.D

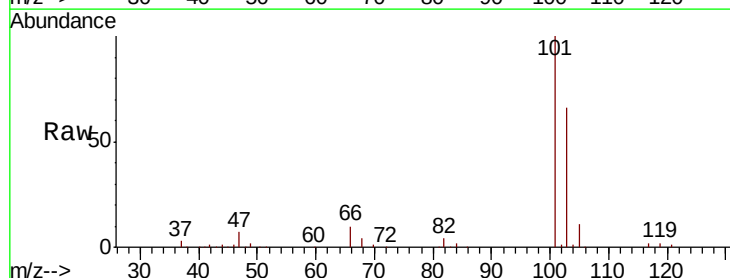
Acq: 07 Aug 2019 11:39

Tgt Ion: 101 Resp: 112542

Ion Ratio Lower Upper

101 100

103 64.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV012111.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012120.D (-84) (-)

1.77

100000

80000

60000

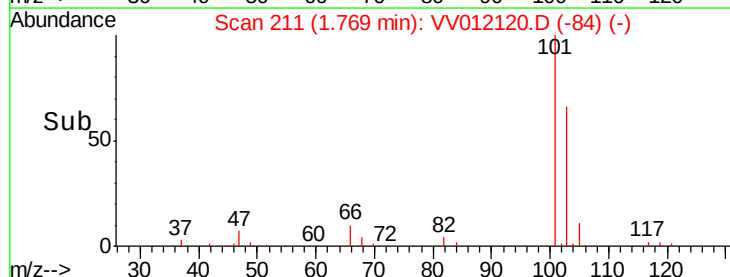
40000

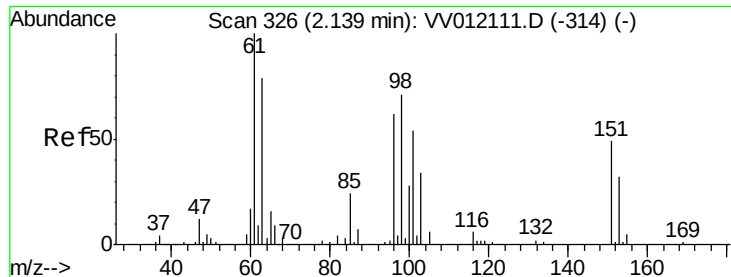
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 51.011 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

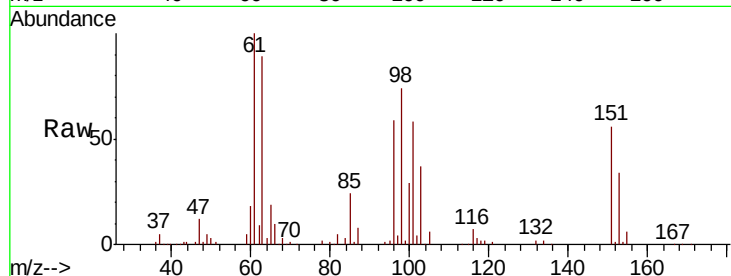
Tgt Ion: 101 Resp: 53781

Ion Ratio Lower Upper

101 100

85 42.9 34.4 51.6

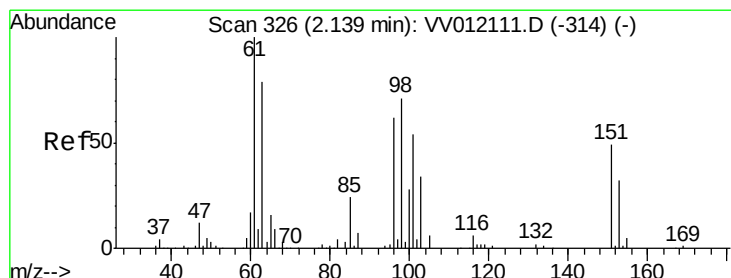
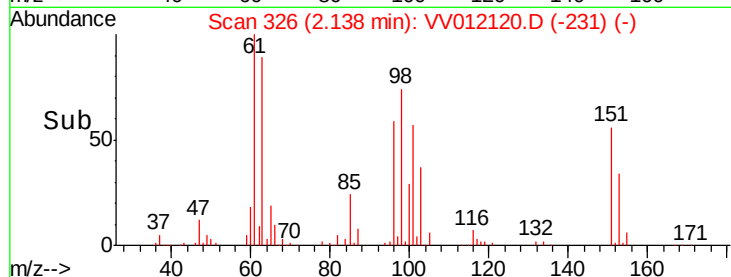
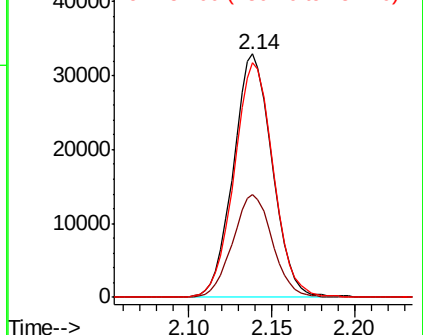
151 97.0 72.2 108.2



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: 48.093 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

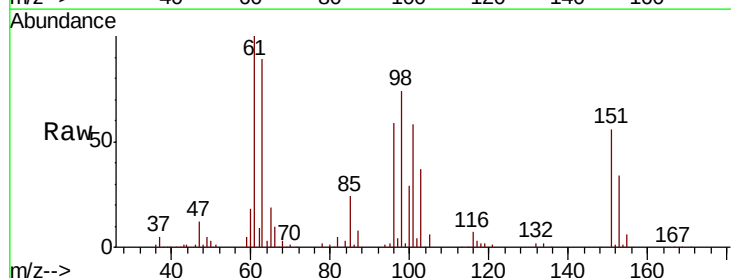
Tgt Ion: 96 Resp: 47745

Ion Ratio Lower Upper

96 100

61 169.3 120.0 223.0

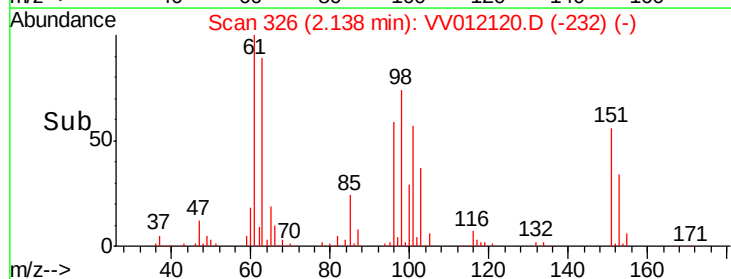
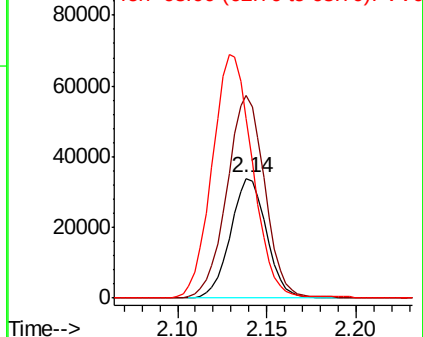
63 150.0 98.3 182.7

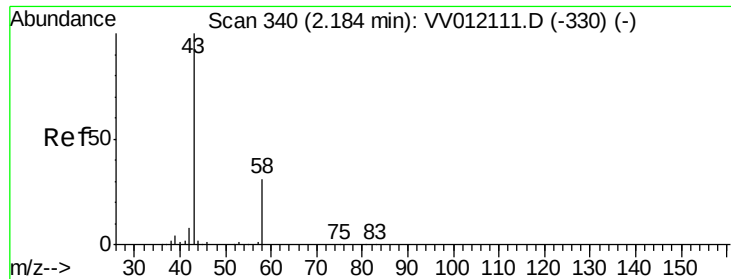


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 104.751 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

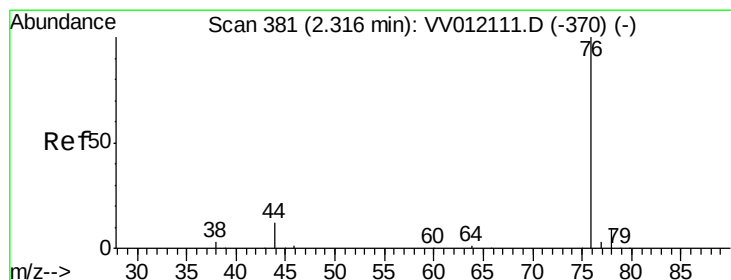
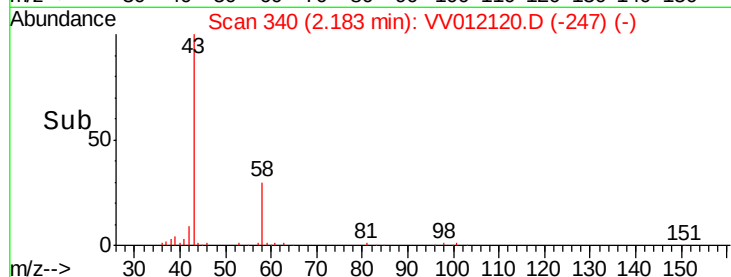
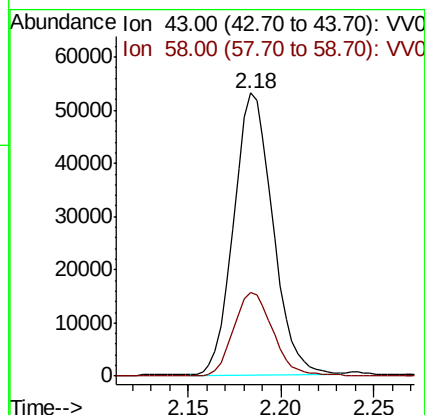
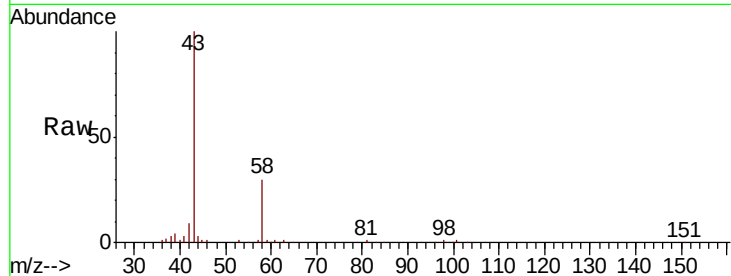
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion: 43 Resp: 77729

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.2



#14

Carbon disulfide

Concen: 48.490 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012120.D

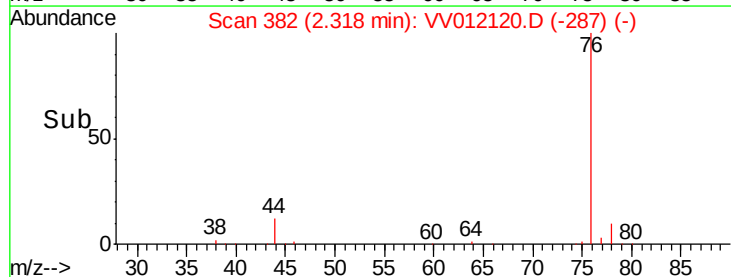
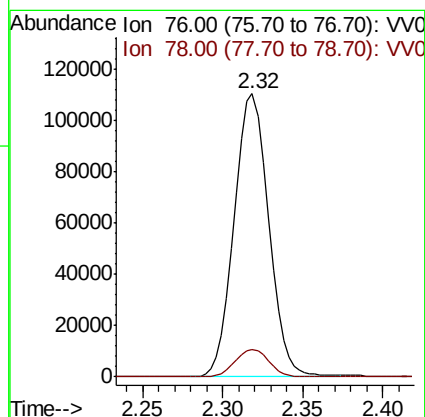
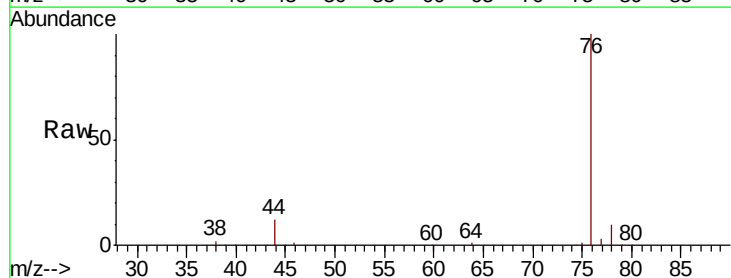
Acq: 07 Aug 2019 11:39

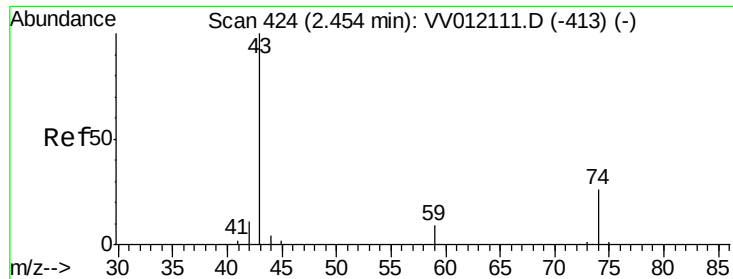
Tgt Ion: 76 Resp: 162676

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7





#15

Methyl Acetate

Concen: 46.250 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

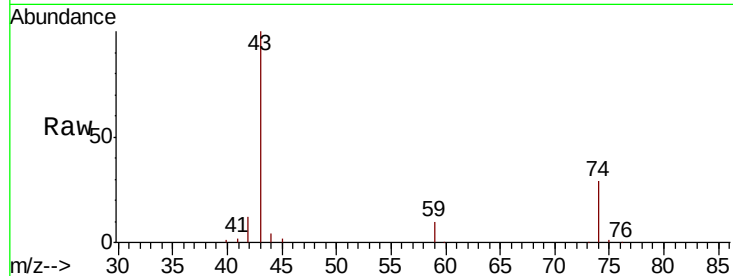
VSTD05069

Tgt Ion: 43 Resp: 60048

Ion Ratio Lower Upper

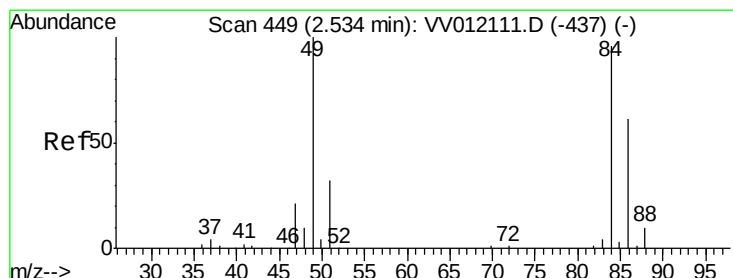
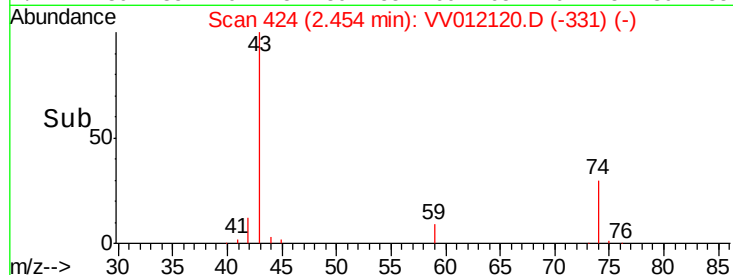
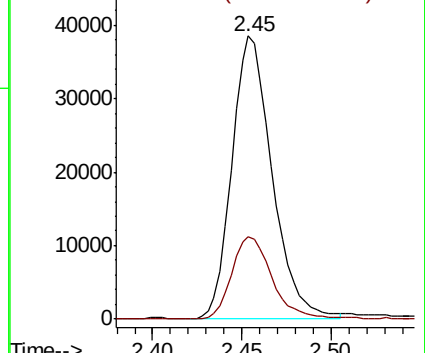
43 100

74 29.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.128 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

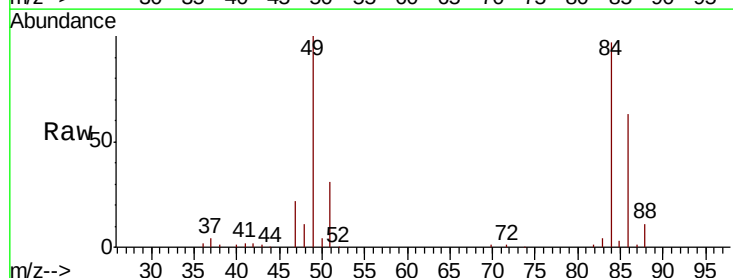
Tgt Ion: 84 Resp: 74001

Ion Ratio Lower Upper

84 100

86 64.7 45.7 84.9

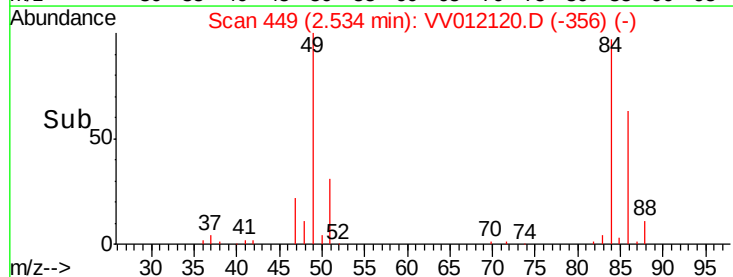
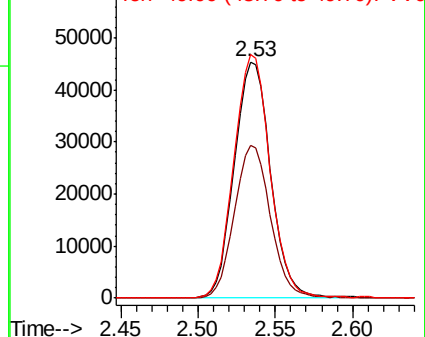
49 103.0 76.6 142.2

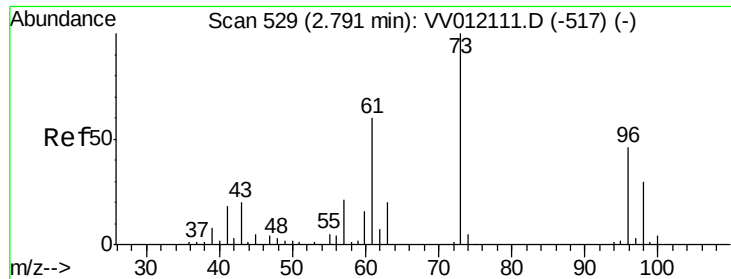


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.798 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

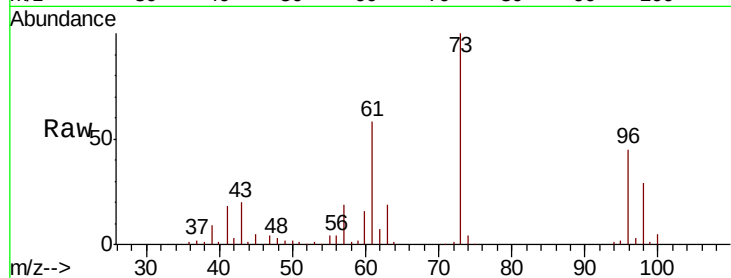
Tgt Ion: 96 Resp: 71210

Ion Ratio Lower Upper

96 100

61 128.1 90.6 168.3

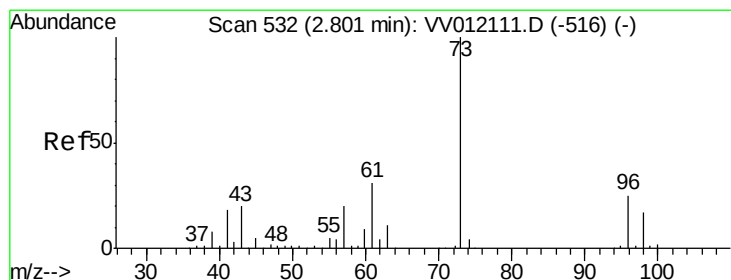
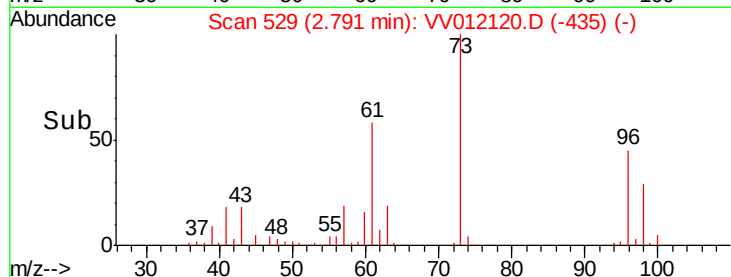
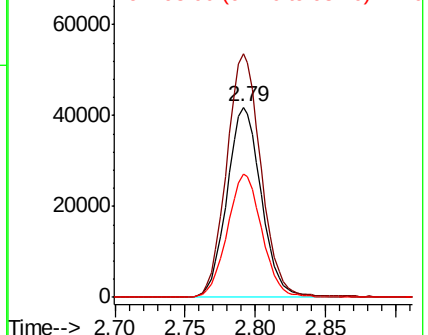
98 64.7 44.2 82.2



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: 52.122 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

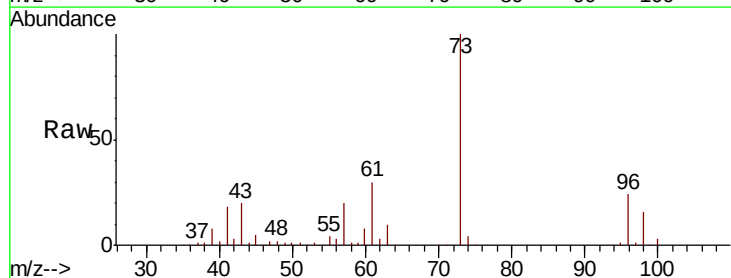
Tgt Ion: 73 Resp: 251064

Ion Ratio Lower Upper

73 100

43 19.6 15.6 23.4

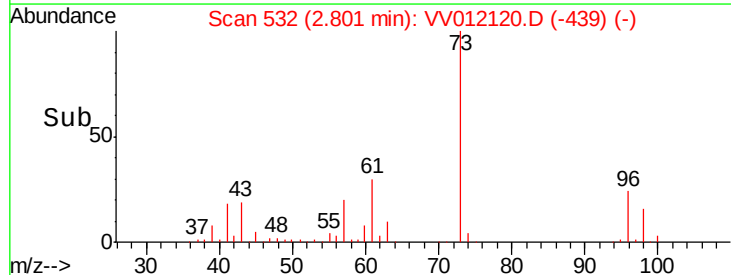
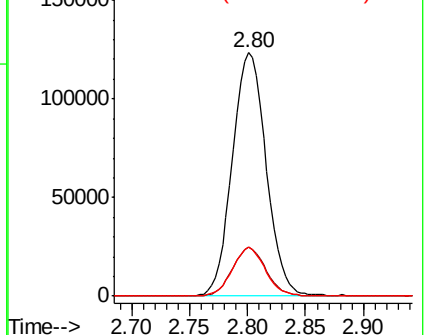
57 19.4 16.0 24.0

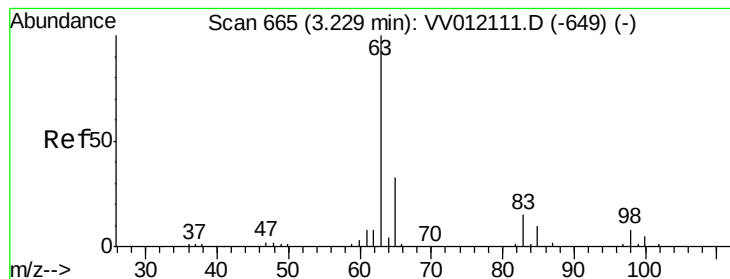


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 50.253 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

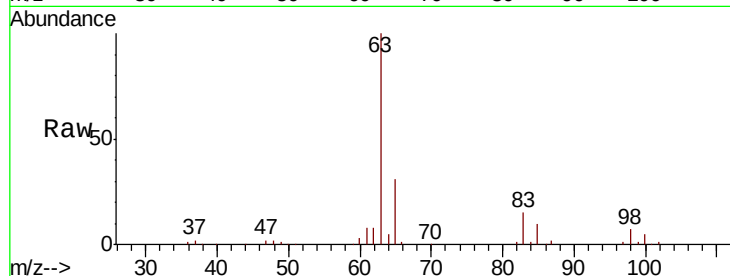
Tgt Ion: 63 Resp: 128466

Ion Ratio Lower Upper

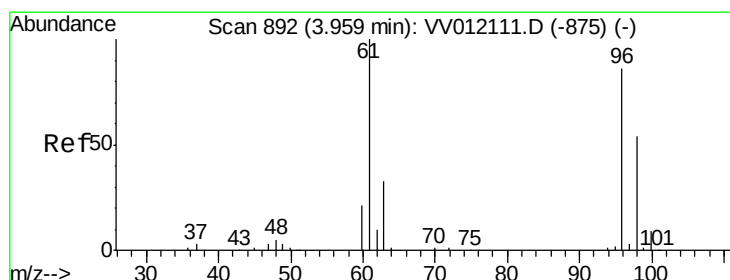
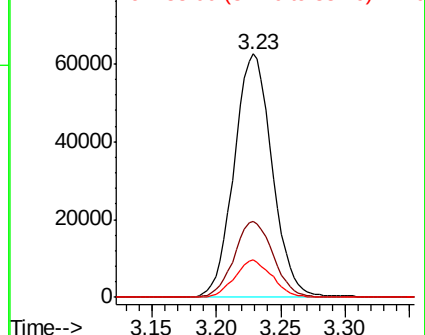
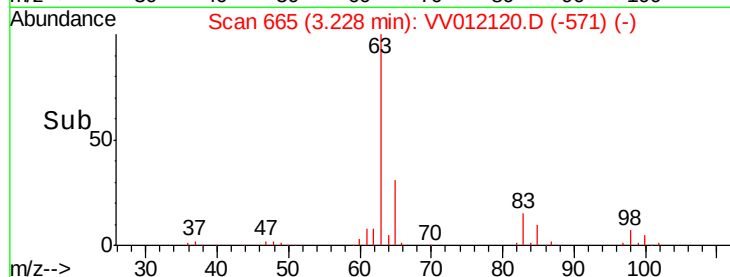
63 100

65 31.0 22.3 41.3

83 15.2 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV012120.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.546 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

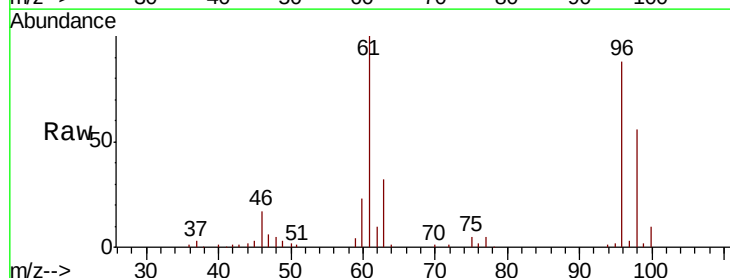
Tgt Ion: 96 Resp: 85111

Ion Ratio Lower Upper

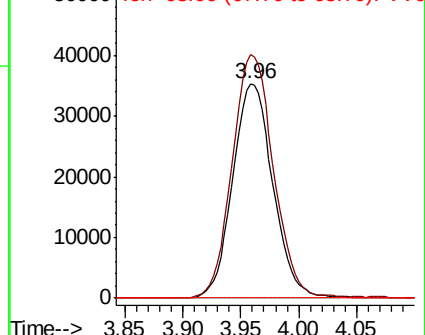
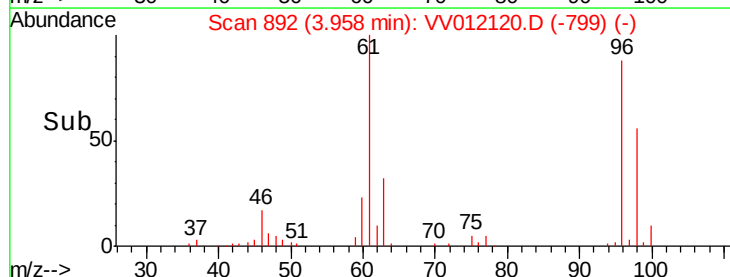
96 100

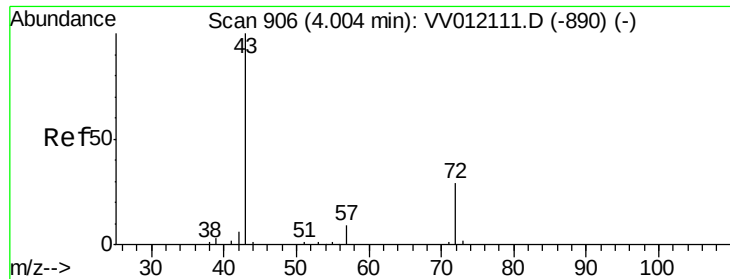
61 113.3 80.0 148.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012120.D (-799) (-)





#22

2-Butanone

Concen: 102.620 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

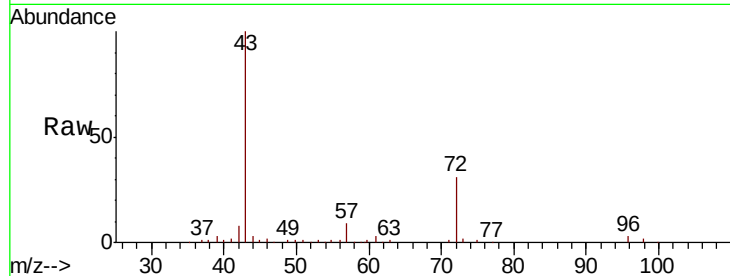
VSTD05069

Tgt Ion: 43 Resp: 98136

Ion Ratio Lower Upper

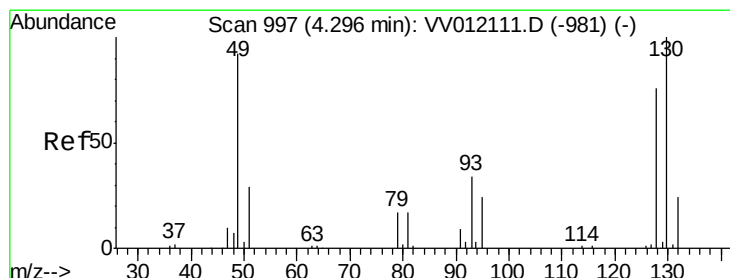
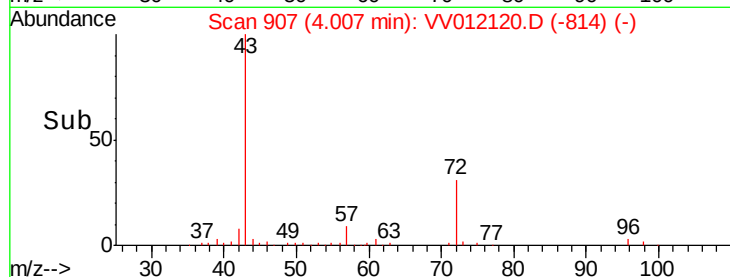
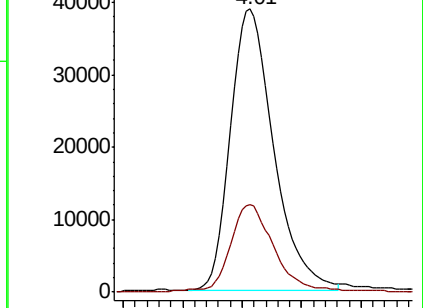
43 100

72 31.0 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV012111.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV012111.D (-890) (-)



#23

Bromochloromethane

Concen: 52.283 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Tgt Ion: 128 Resp: 47470

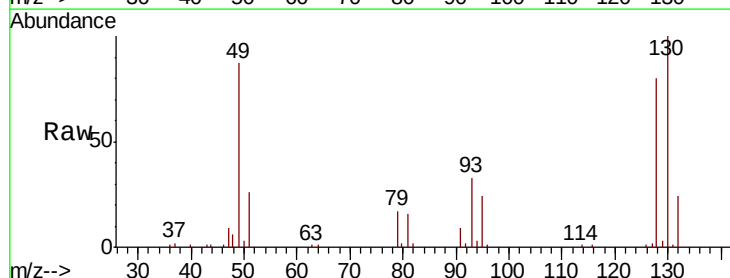
Ion Ratio Lower Upper

128 100

49 108.7 84.6 157.2

130 124.6 89.9 167.0

51 33.0 30.5 45.7

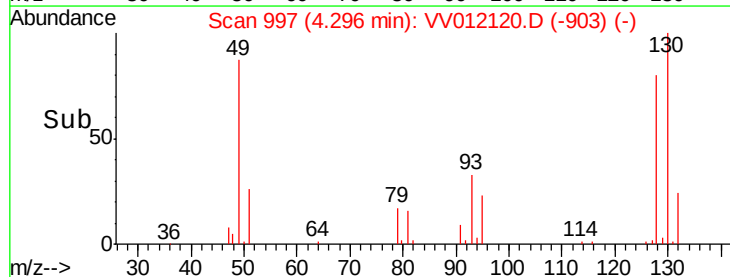
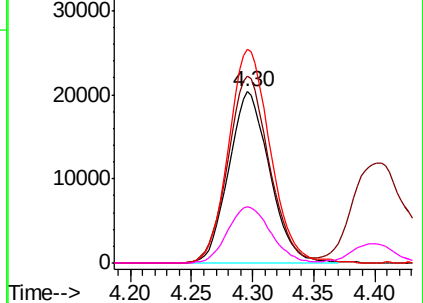


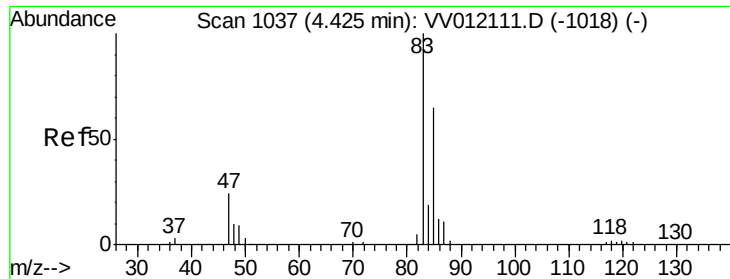
Abundance Ion 128.00 (127.70 to 128.70): VV012111.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV012111.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV012111.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV012111.D (-981) (-)

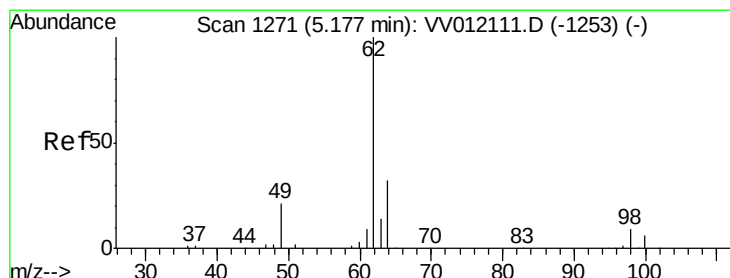
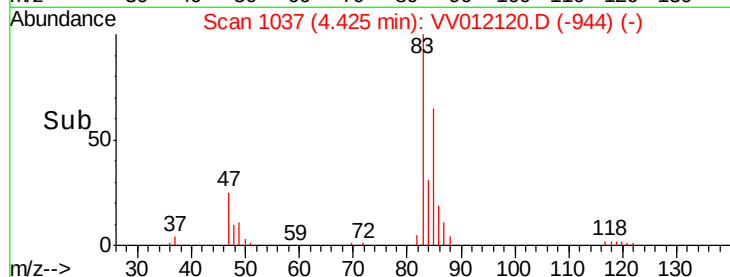
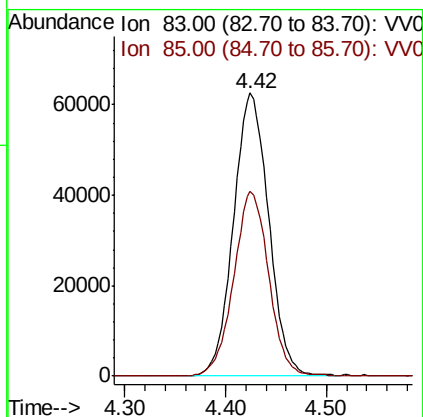
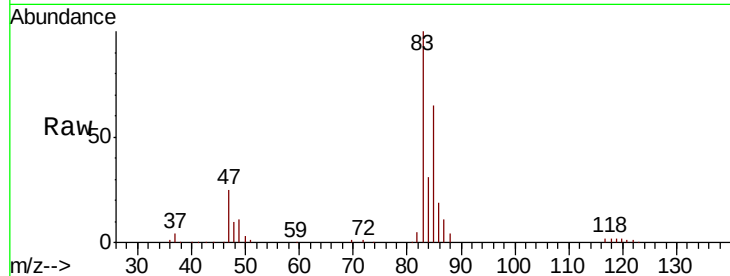




#25
Chloroform
Concen: 52.399 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

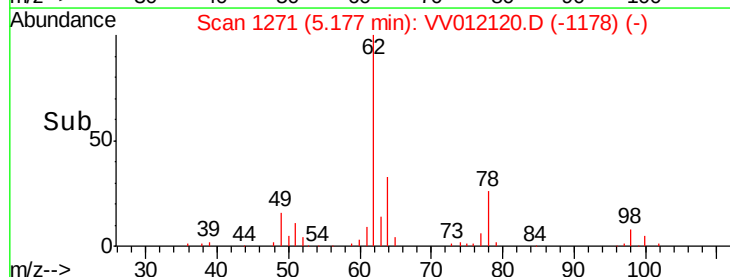
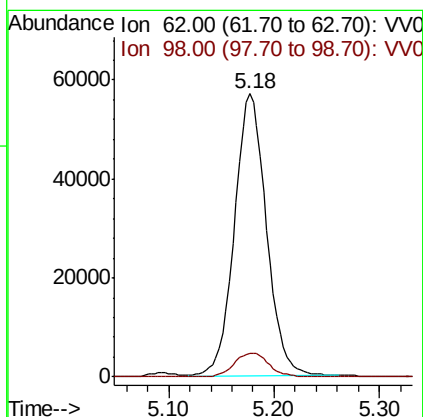
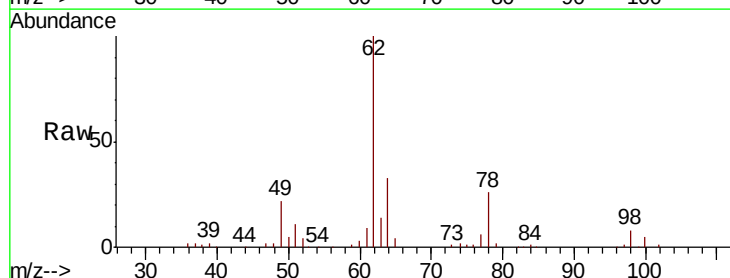
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

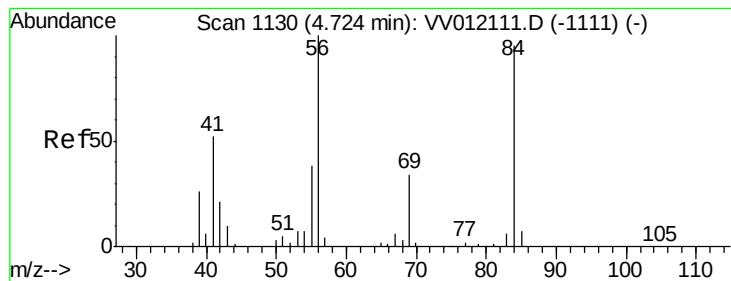
Tgt Ion: 83 Resp: 151838
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 53.265 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Tgt Ion: 62 Resp: 119962
Ion Ratio Lower Upper
62 100
98 8.2 7.5 11.3





#29

Cyclohexane

Concen: 49.257 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

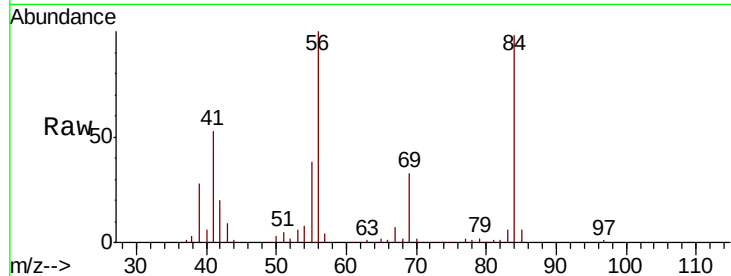
Tgt Ion: 56 Resp: 107160

Ion Ratio Lower Upper

56 100

69 33.2 25.8 38.8

84 99.3 76.0 114.0

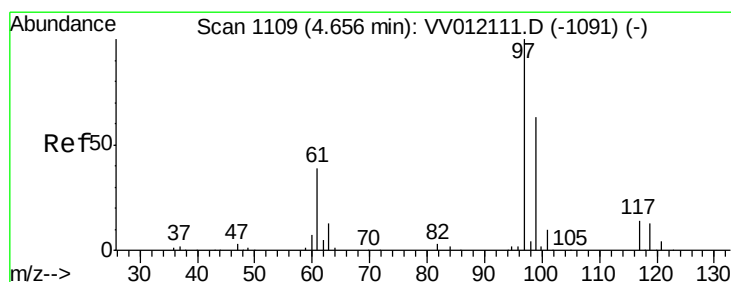
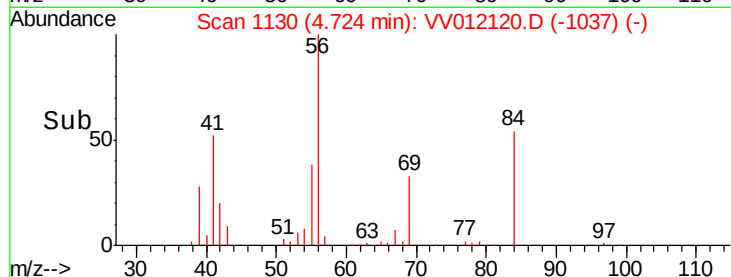
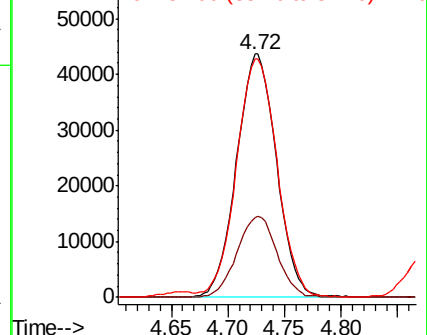


Abundance

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: 52.280 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

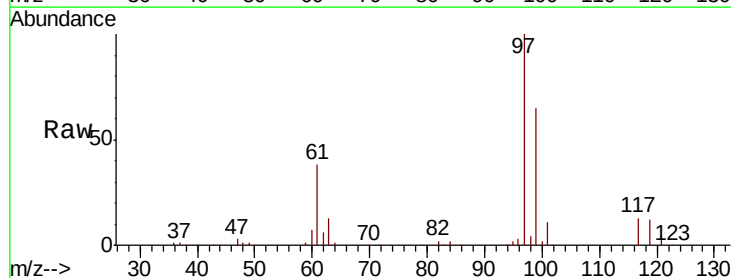
Tgt Ion: 97 Resp: 144486

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 38.7 31.3 46.9

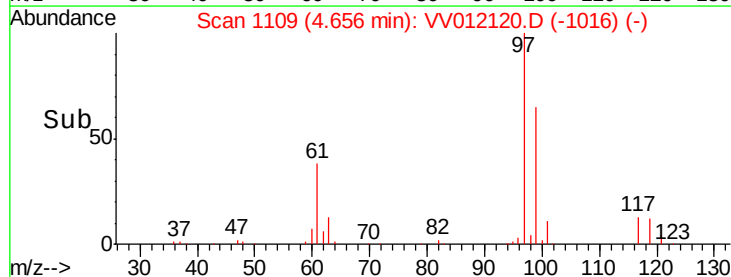
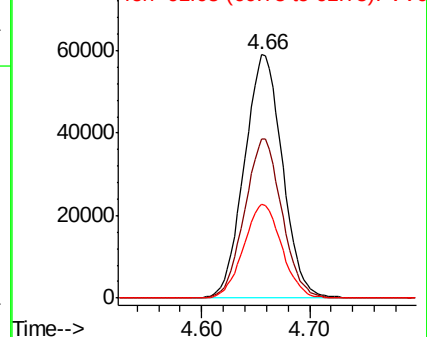


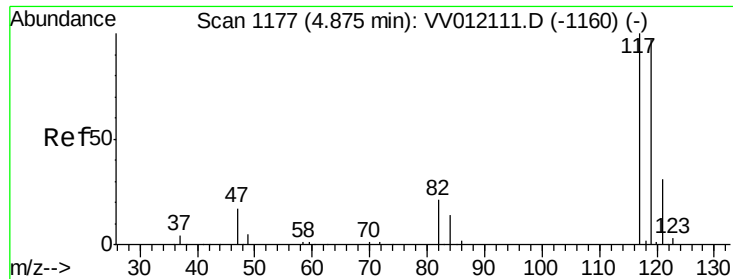
Abundance

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: 52.848 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

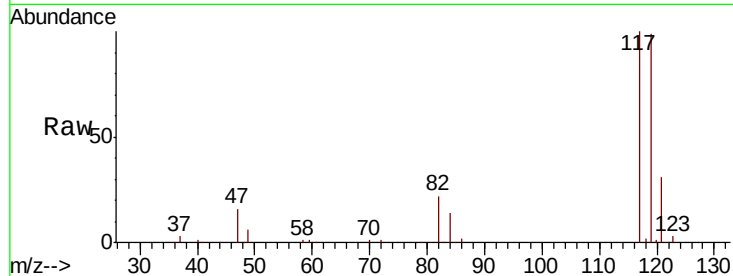
VSTD05069

Tgt Ion:117 Resp: 135497

Ion Ratio Lower Upper

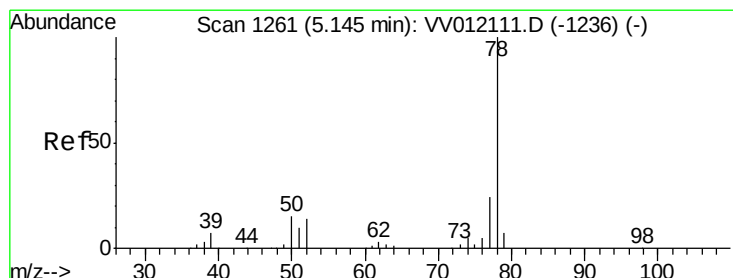
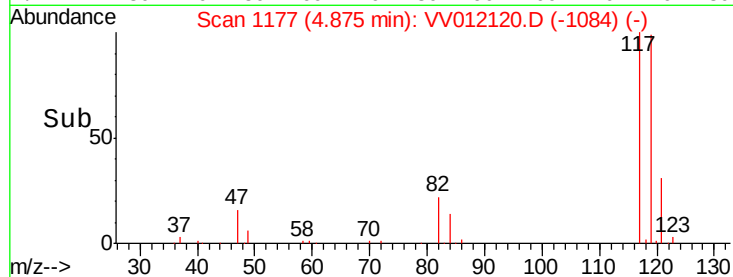
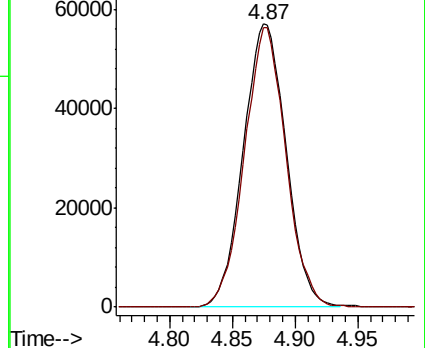
117 100

119 95.8 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: 50.078 ug/L

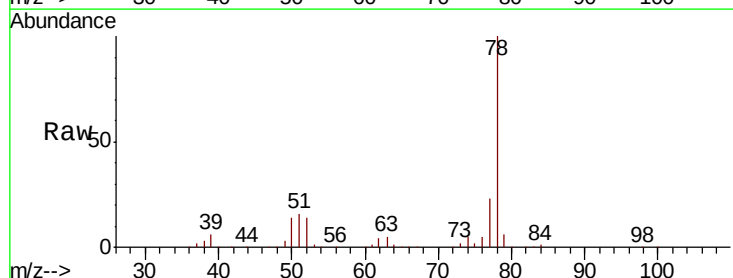
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

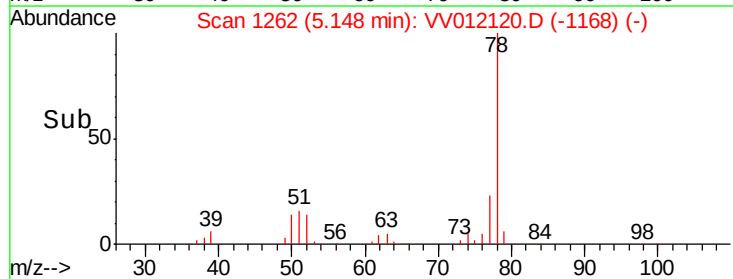
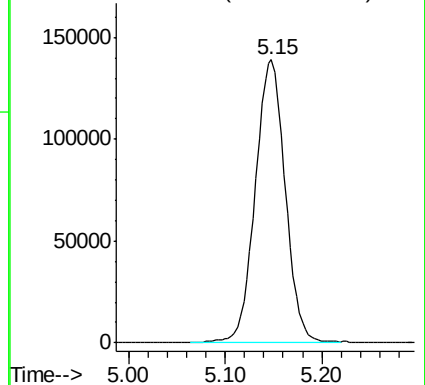
Lab File: VV012120.D

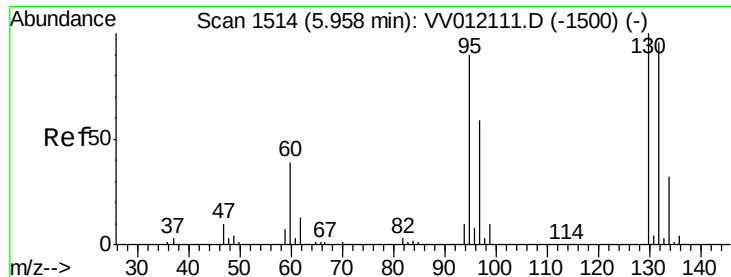
Acq: 07 Aug 2019 11:39

Tgt Ion: 78 Resp: 299916



Abundance Ion 78.00 (77.70 to 78.70): VV0

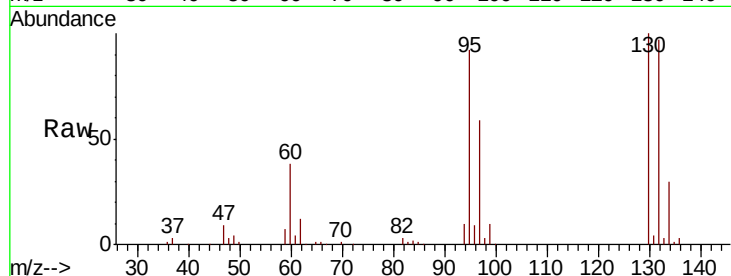




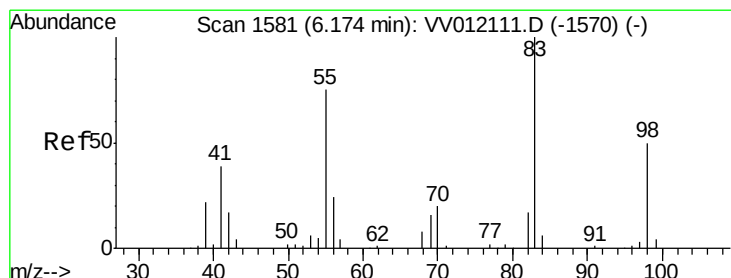
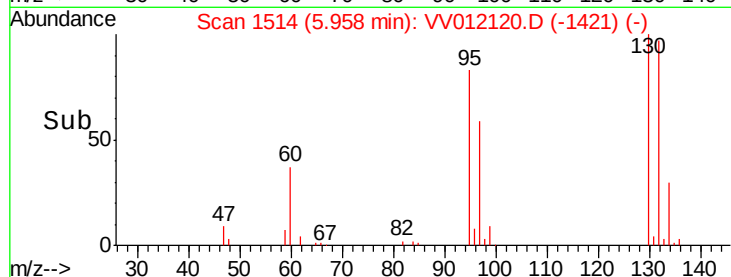
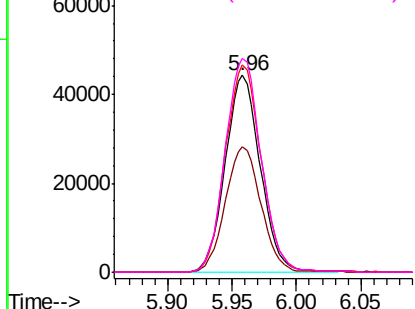
#34
 Trichloroethene
 Concen: 50.284 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tgt Ion: 95 Resp: 83704
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.4 80.6
 132 105.6 73.1 135.8
 130 108.6 75.3 139.8

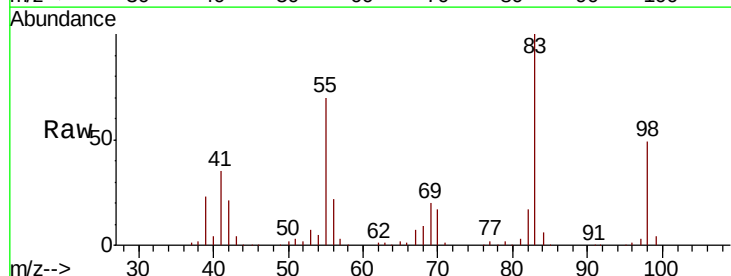


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

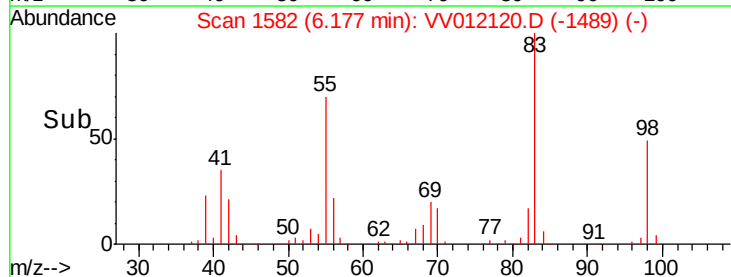
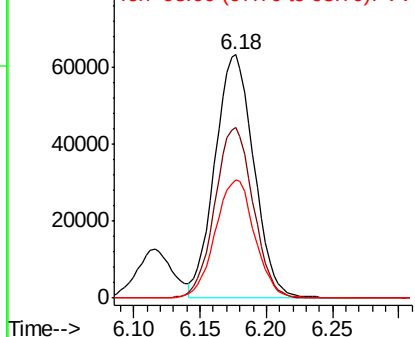


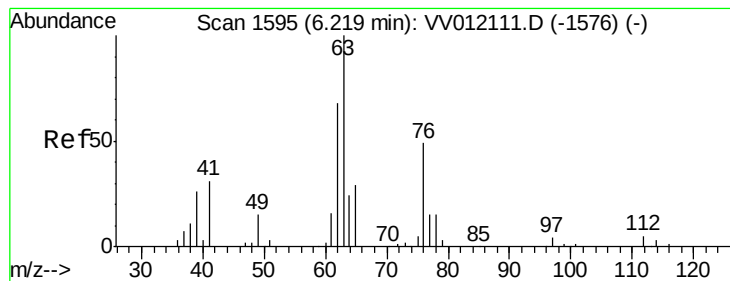
#35
 Methylcyclohexane
 Concen: 51.928 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion: 83 Resp: 128659
 Ion Ratio Lower Upper
 83 100
 55 69.2 55.5 83.3
 98 49.2 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: 49.010 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

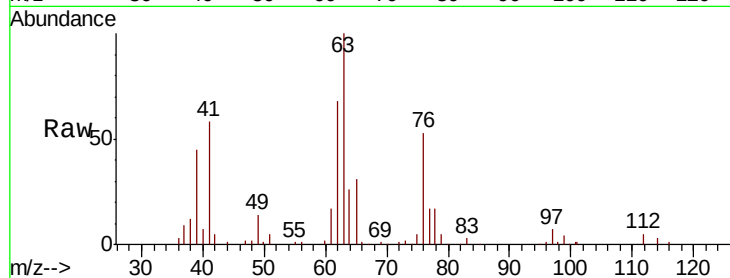
VSTD05069

Tgt Ion: 63 Resp: 71593

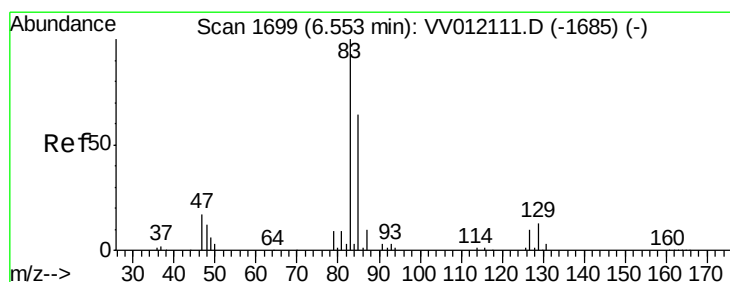
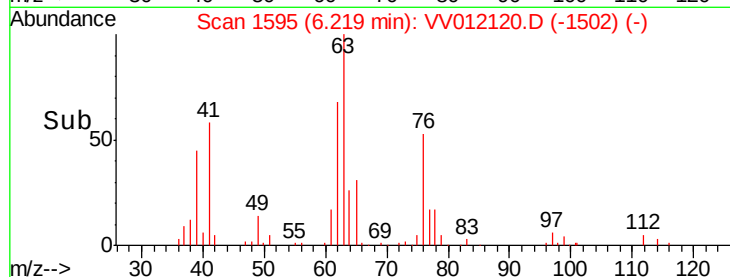
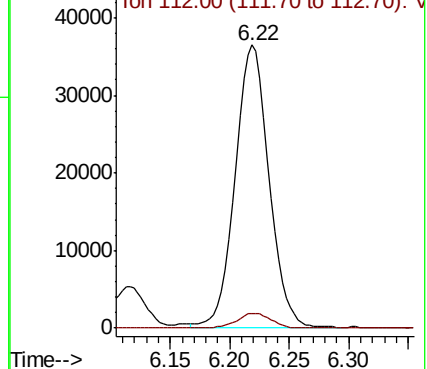
Ion Ratio Lower Upper

63 100

112 5.2 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV012120.D (-1502) (-)



#38

Bromodichloromethane

Concen: 51.530 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

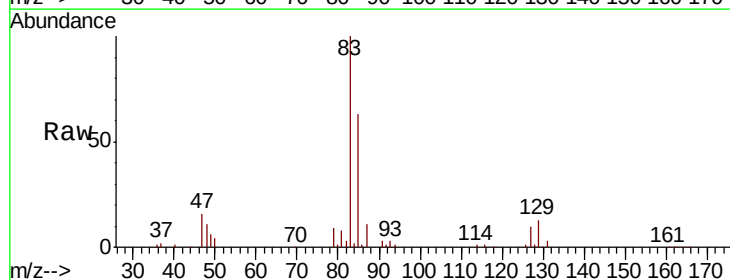
Tgt Ion: 83 Resp: 118418

Ion Ratio Lower Upper

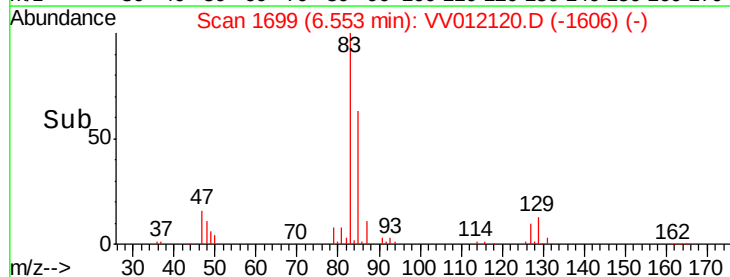
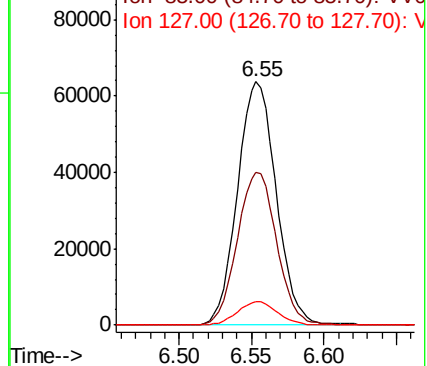
83 100

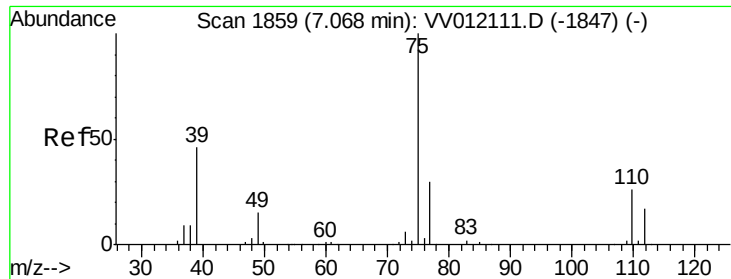
85 62.8 45.0 83.6

127 9.7 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV012120.D (-1606) (-)

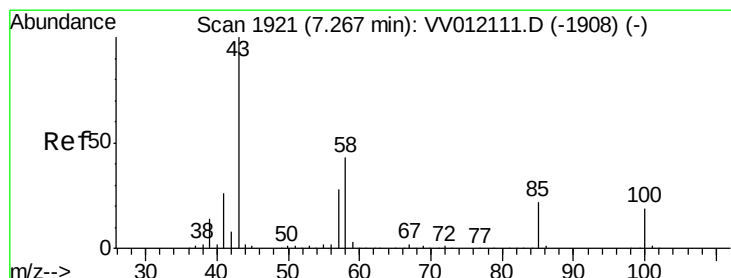
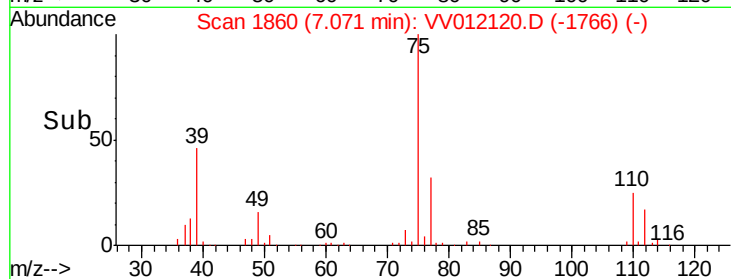
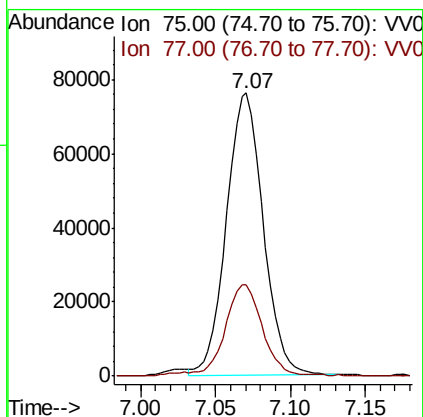
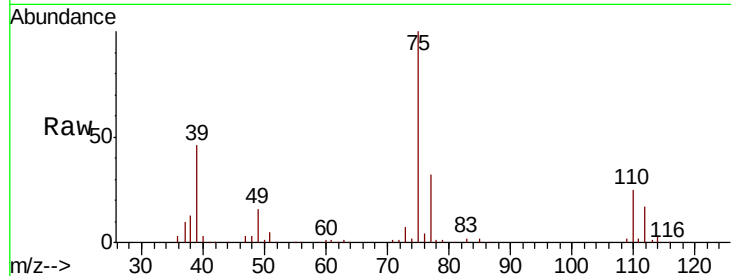




#39
 cis-1,3-Dichloropropene
 Concen: 50.708 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

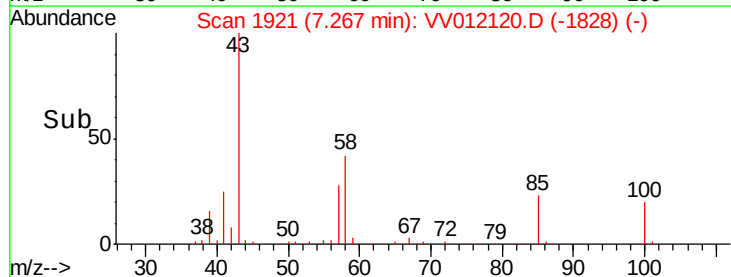
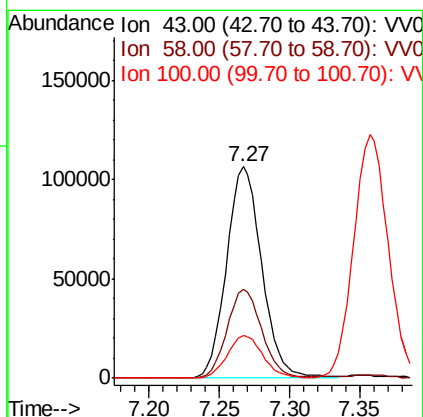
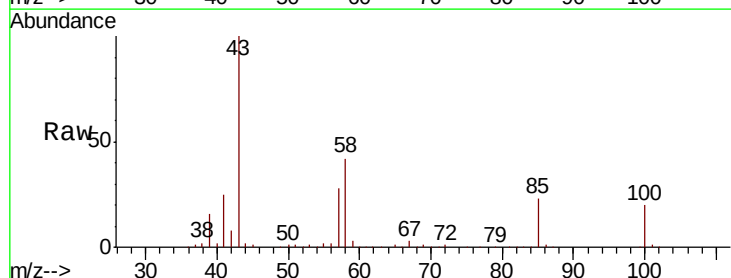
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

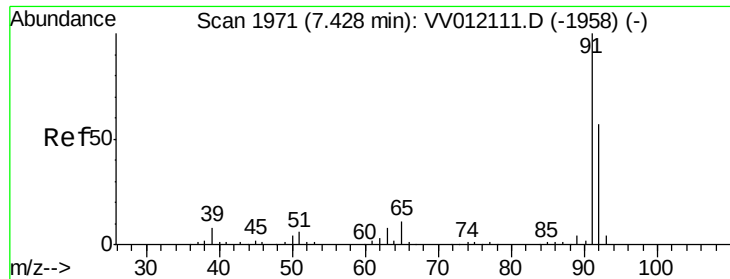
Tgt Ion: 75 Resp: 130596
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.090 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion: 43 Resp: 186299
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.4 50.2
 100 20.3 15.0 22.4





#42

Toluene

Concen: 51.793 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

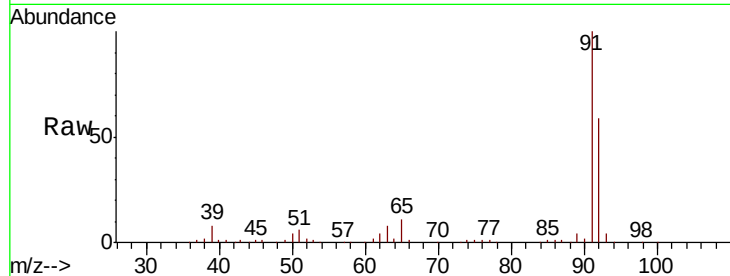
VSTD05069

Tgt Ion: 91 Resp: 344665

Ion Ratio Lower Upper

91 100

92 59.2 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

200000

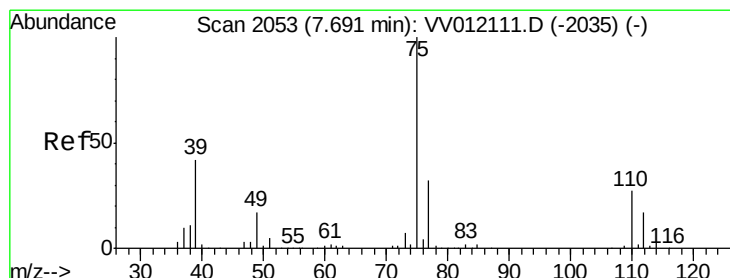
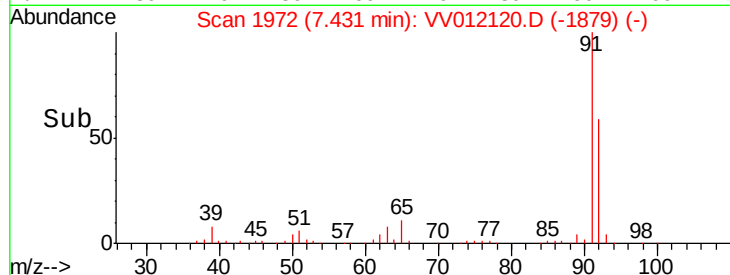
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.717 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012120.D

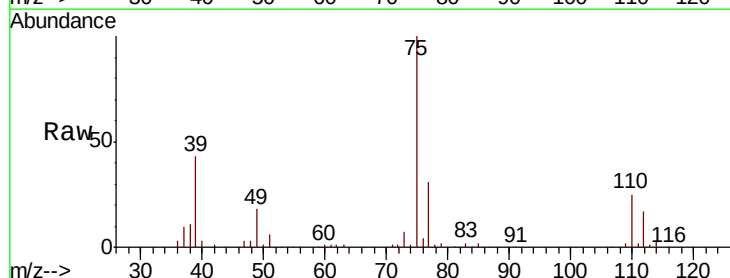
Acq: 07 Aug 2019 11:39

Tgt Ion: 75 Resp: 128163

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

80000

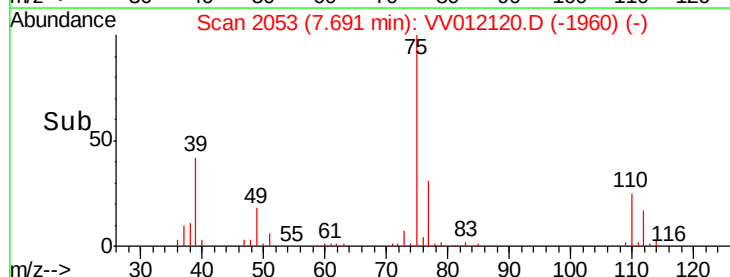
60000

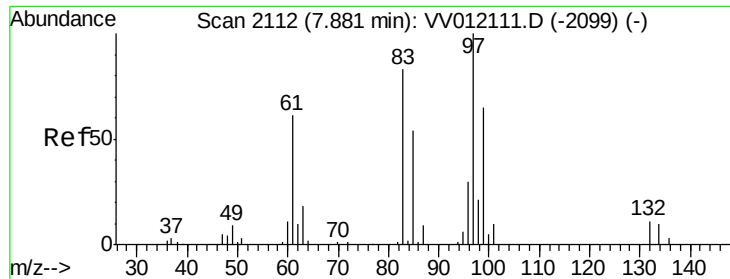
40000

20000

0

Time-->

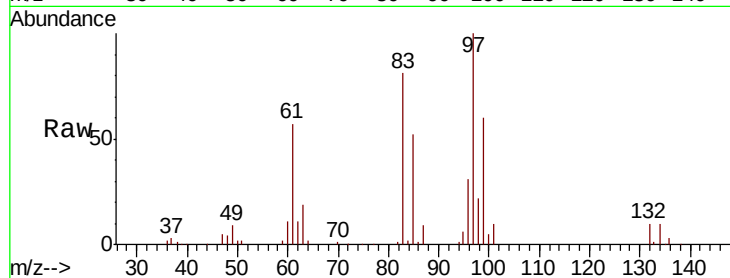




#45
 1,1,2-Trichloroethane
 Concen: 51.328 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tgt Ion:	97	Resp:	80825
Ion	Ratio	Lower	Upper
97	100		
99	59.9	47.2	87.6
83	81.2	58.0	107.6
85	52.0	38.0	70.6



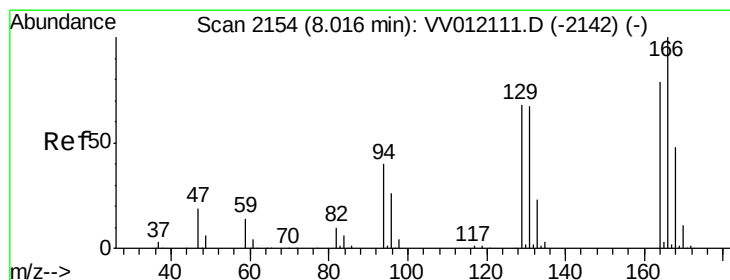
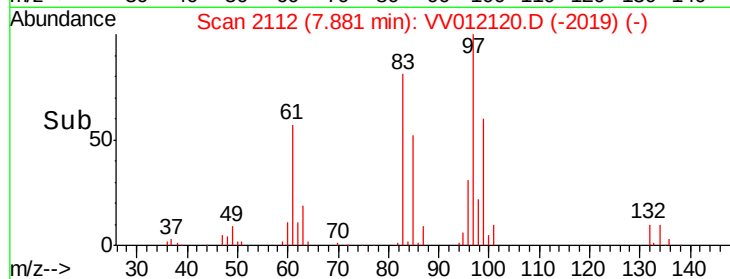
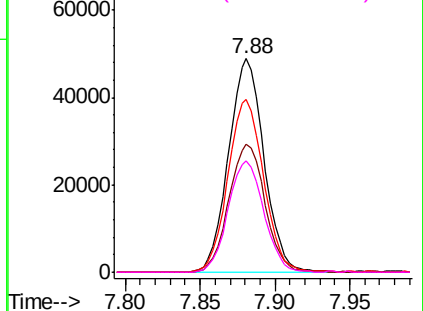
Abundance

Ion 97.00 (96.70 to 97.70): VV012120.D (-2019) (-)

Ion 99.00 (98.70 to 99.70): VV012120.D (-2019) (-)

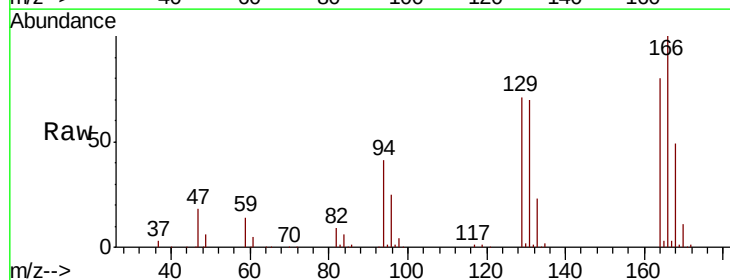
Ion 83.00 (82.70 to 83.70): VV012120.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012120.D (-2019) (-)



#46
 Tetrachloroethene
 Concen: 52.835 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion:	164	Resp:	81946
Ion	Ratio	Lower	Upper
164	100		
129	87.8	64.3	119.5
131	86.7	60.1	111.7
166	124.5	91.8	170.6



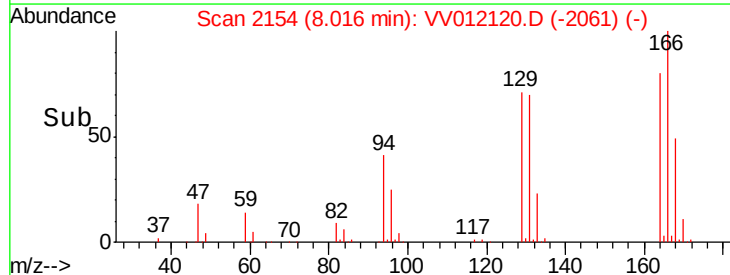
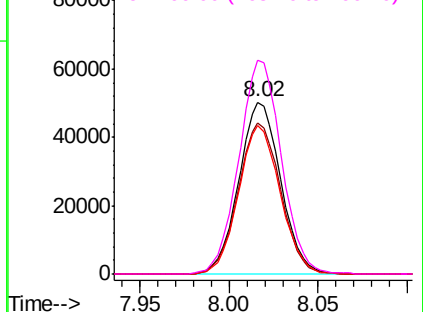
Abundance

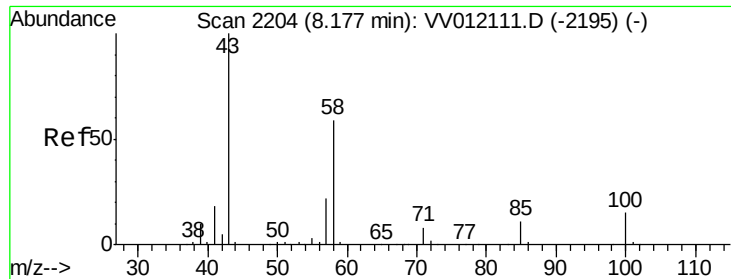
Ion 164.00 (163.70 to 164.70): VV012120.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV012120.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV012120.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV012120.D (-2061) (-)

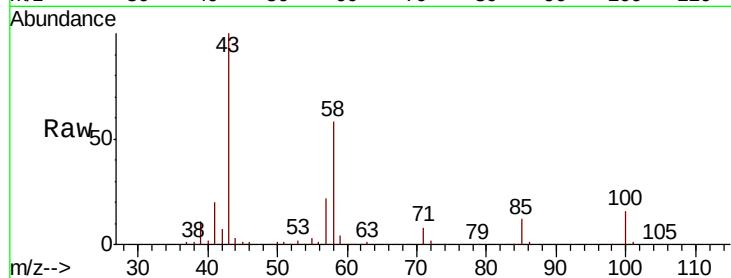




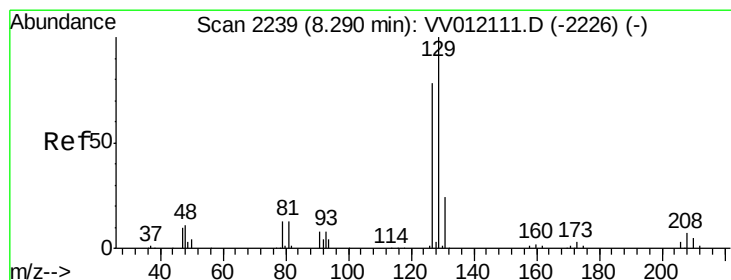
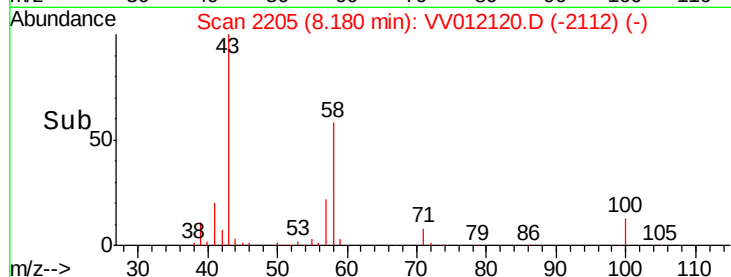
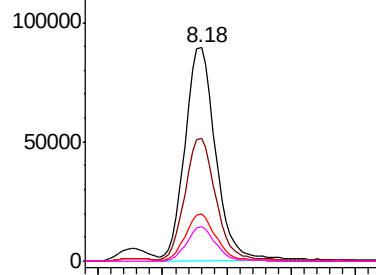
#48
2-Hexanone
Concen: 103.804 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion:	43	Resp:	147135
Ion	Ratio	Lower	Upper
43	100		
58	57.4	45.6	68.4
57	22.1	17.0	25.6
100	15.5	11.5	17.3

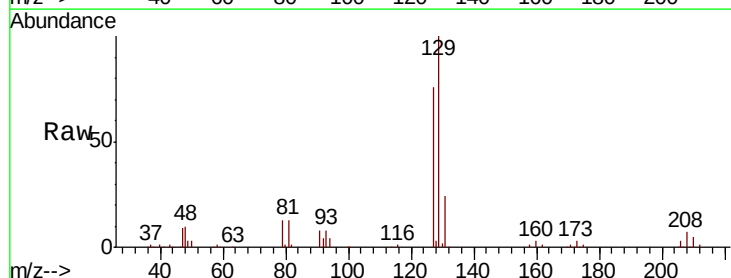


Abundance Ion 43.00 (42.70 to 43.70): VV012111.D (-2195) (-)

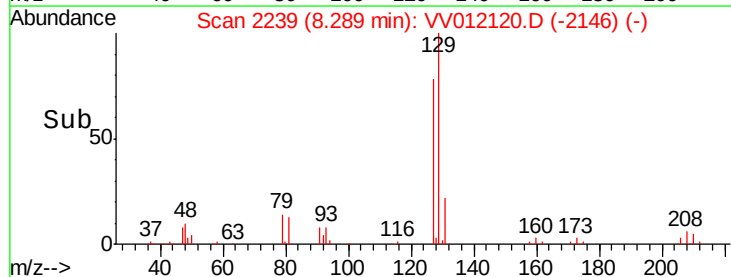
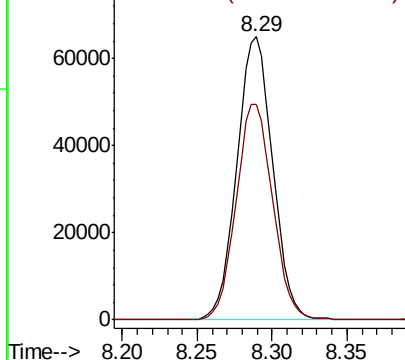


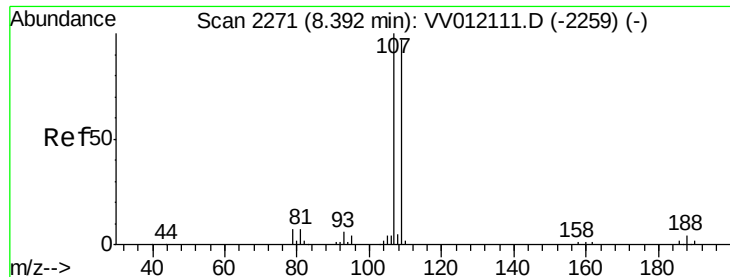
#49
Dibromochloromethane
Concen: 53.170 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Tgt Ion:	129	Resp:	108646
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VV012111.D (-2226) (-)

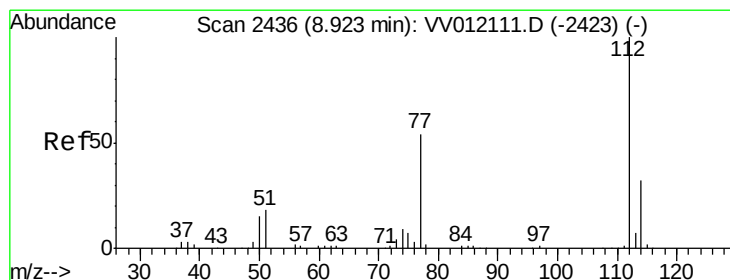
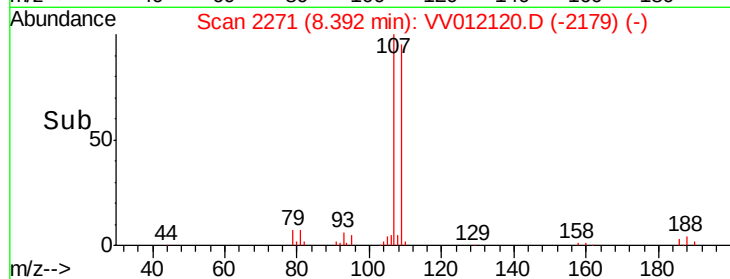
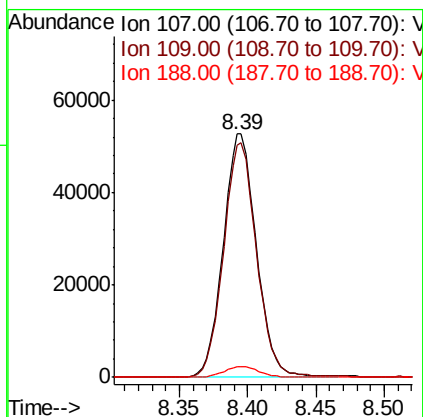
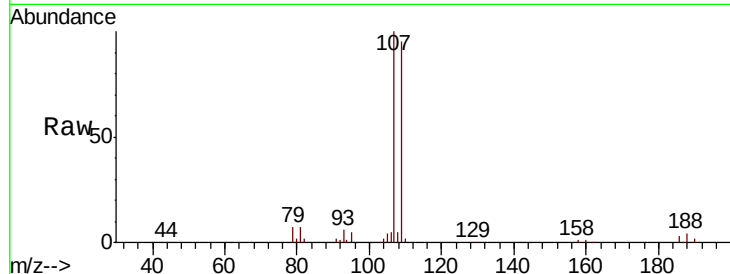




#50
1,2-Dibromoethane
Concen: 51.053 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

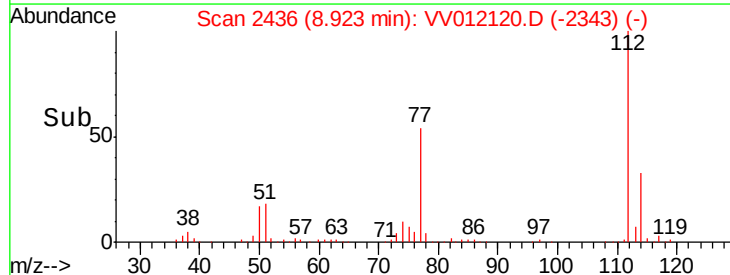
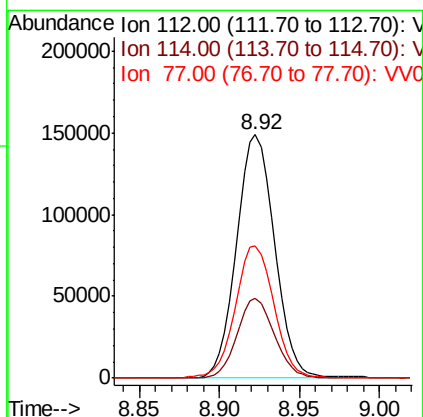
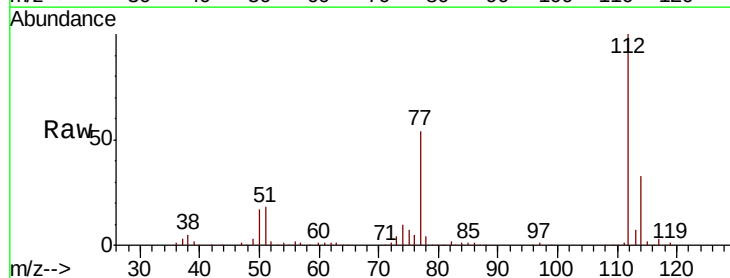
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

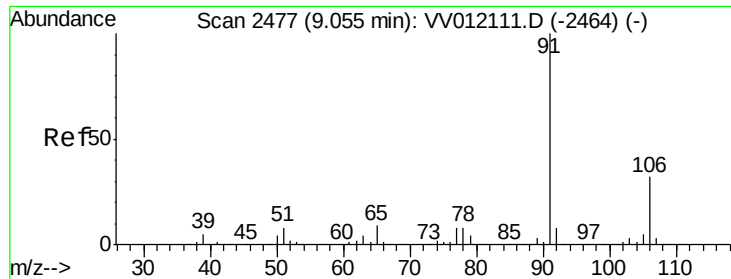
Tgt Ion:107 Resp: 88908
Ion Ratio Lower Upper
107 100
109 95.2 67.0 124.4
188 4.4 3.9 5.9



#51
Chlorobenzene
Concen: 53.732 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Tgt Ion:112 Resp: 241079
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 54.4 44.7 67.1





#52

Ethylbenzene

Concen: 54.164 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

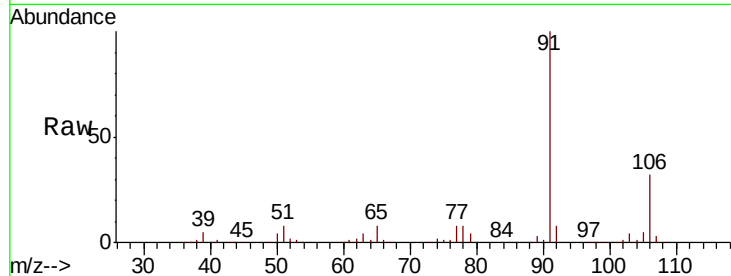
VSTD05069

Tgt Ion: 91 Resp: 404438

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV012120.D (-2384) (-)

Ion 106.00 (105.70 to 106.70): VV012120.D (-2384) (-)

9.05

250000

200000

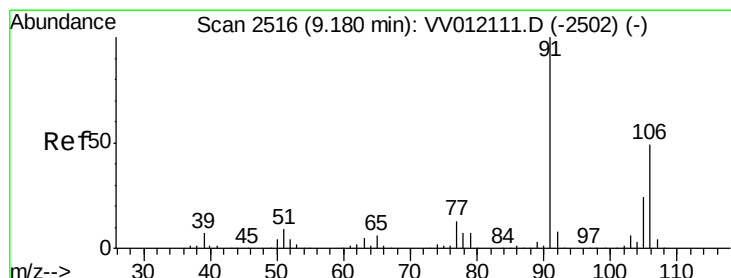
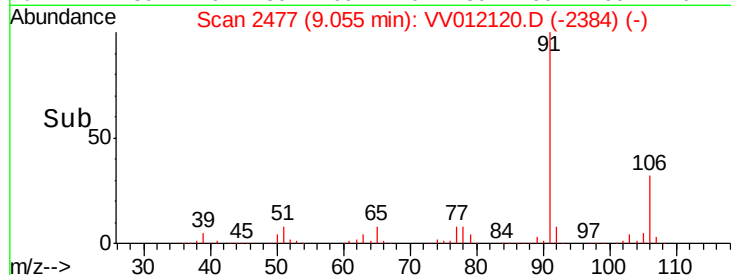
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 55.089 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012120.D

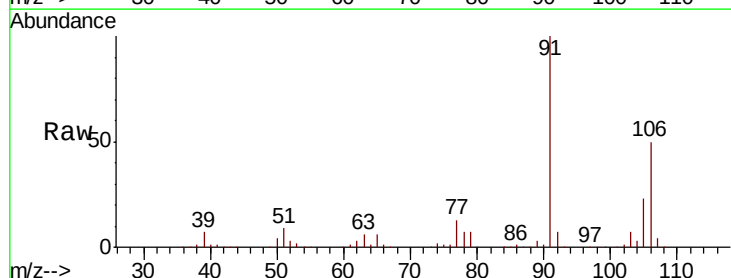
Acq: 07 Aug 2019 11:39

Tgt Ion: 106 Resp: 158683

Ion Ratio Lower Upper

106 100

91 201.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV012120.D (-2423) (-)

Ion 91.00 (90.70 to 91.70): VV012120.D (-2423) (-)

9.18

200000

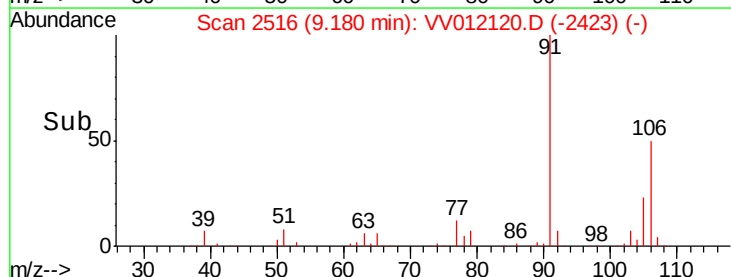
150000

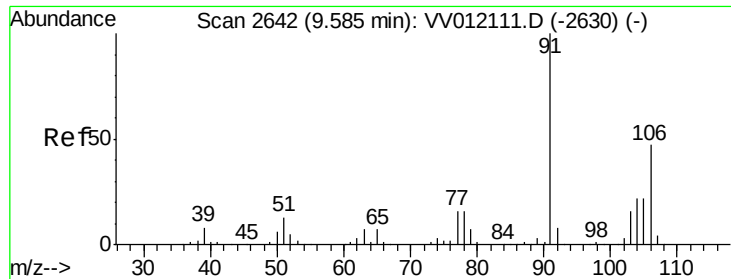
100000

50000

0

Time-->

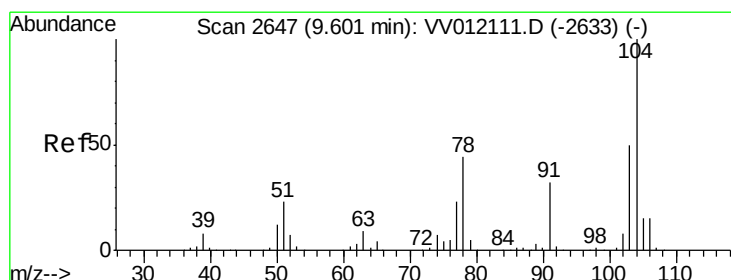
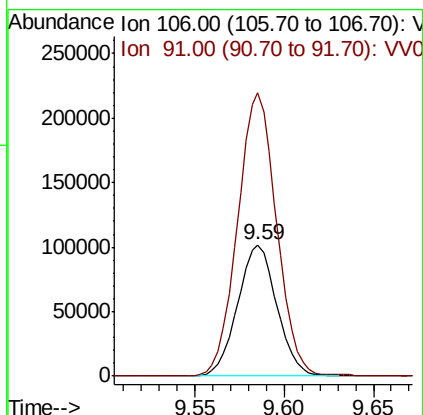
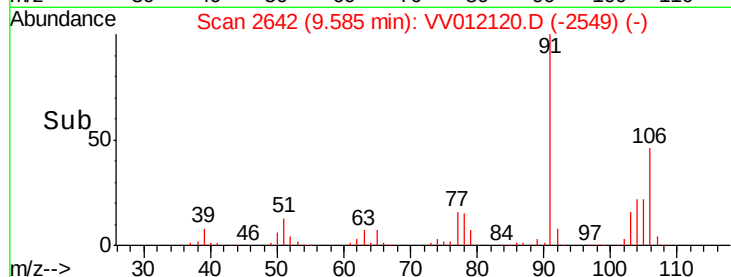
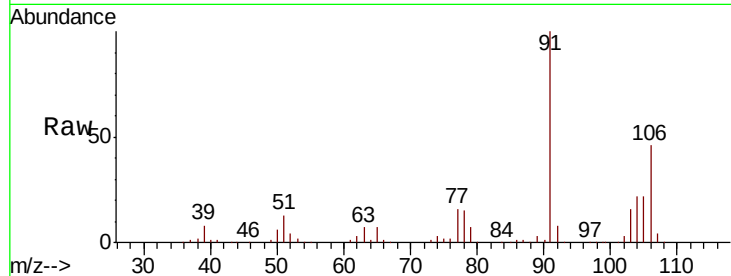




#54
o-Xylene
Concen: 54.602 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

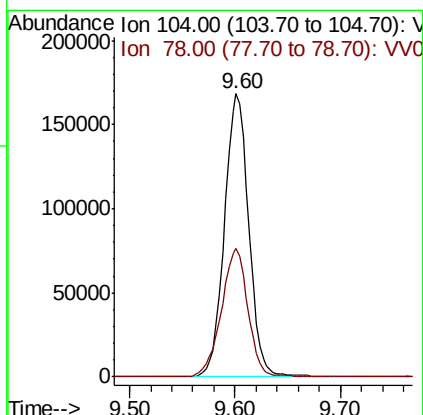
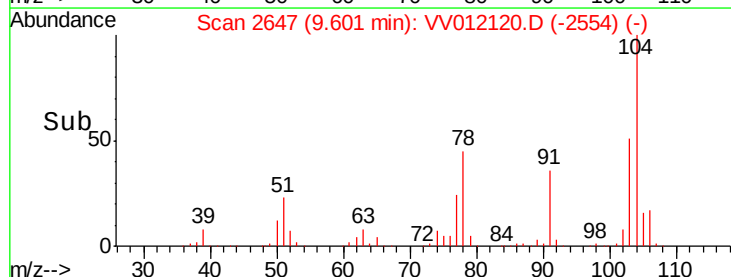
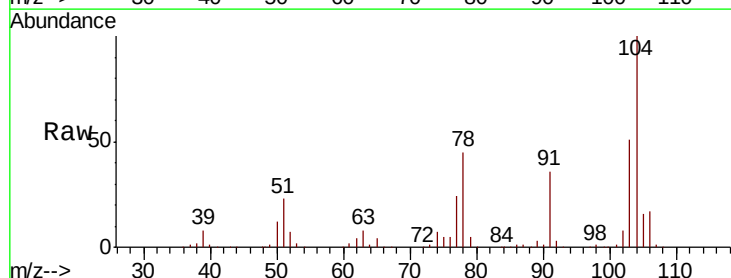
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

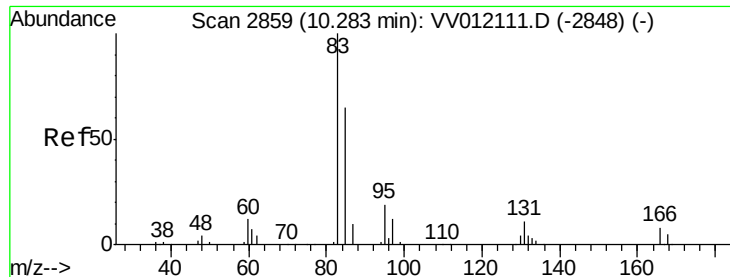
Tgt Ion:106 Resp: 156069
Ion Ratio Lower Upper
106 100
91 215.4 150.4 279.2



#55
Styrene
Concen: 55.707 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Tgt Ion:104 Resp: 268233
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4

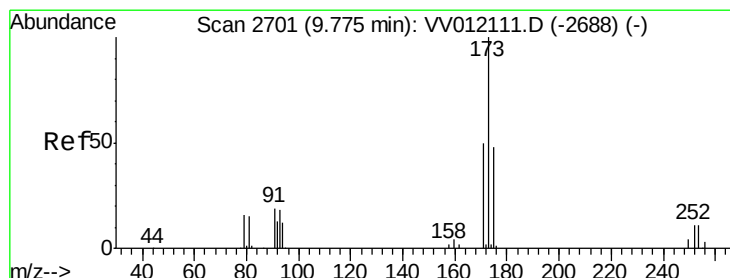
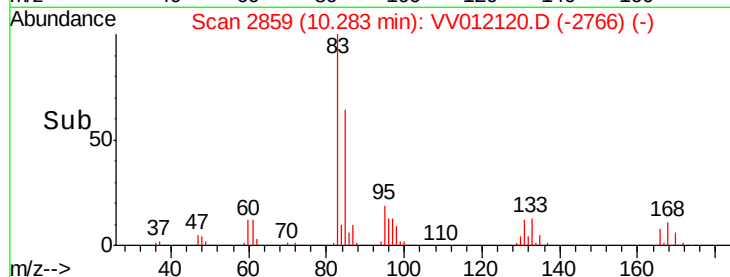
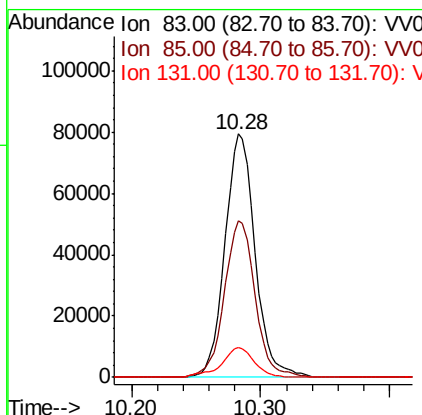
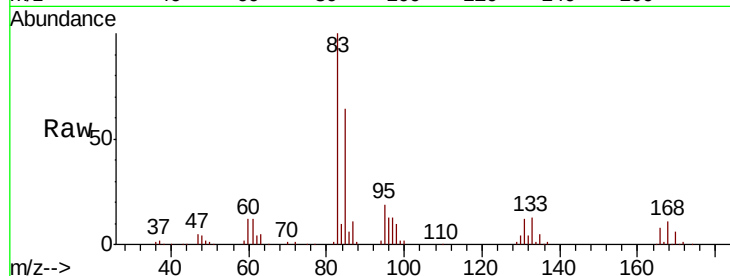




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.197 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

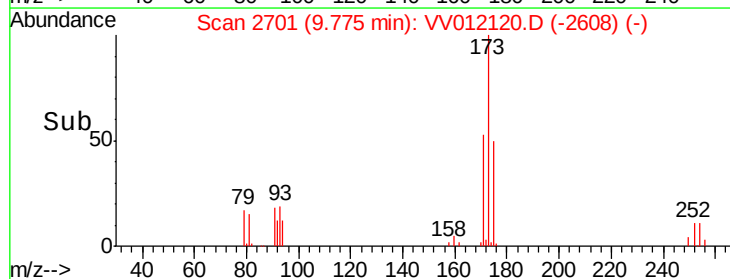
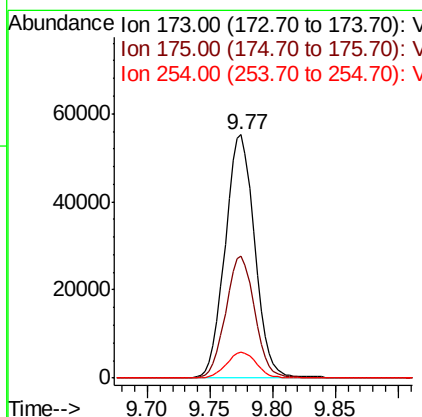
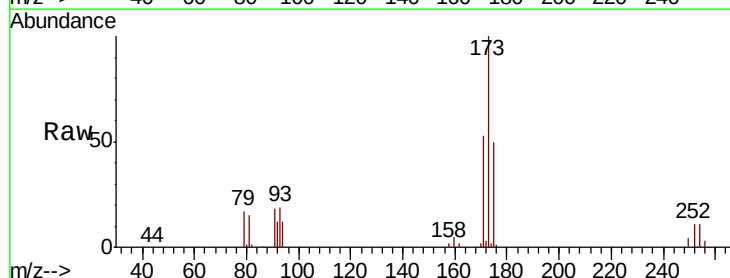
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

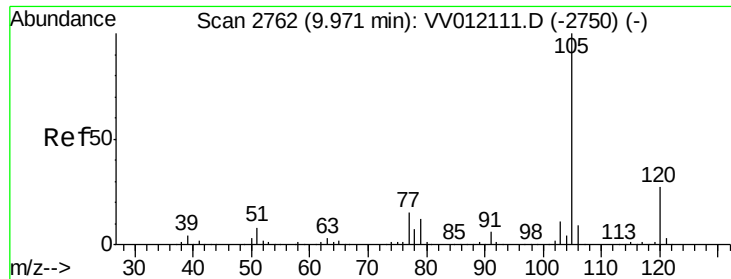
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	44.6	82.8
131	12.5	9.3	13.9



#59
 Bromoform
 Concen: 50.411 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.3	57.5
254	10.8	8.9	13.3





#60

Isopropylbenzene

Concen: 51.312 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

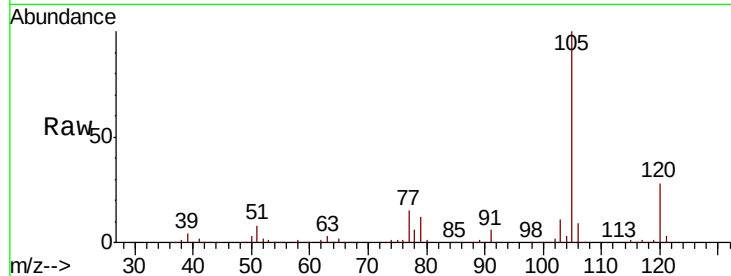
Tgt Ion: 105 Resp: 429680

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

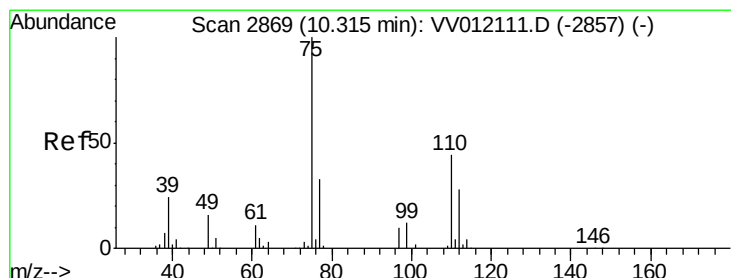
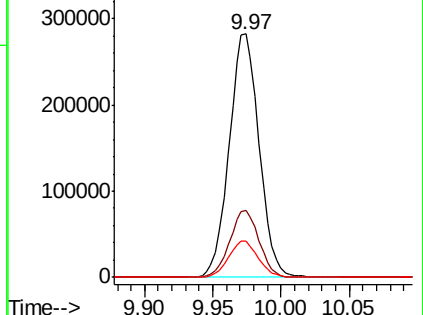
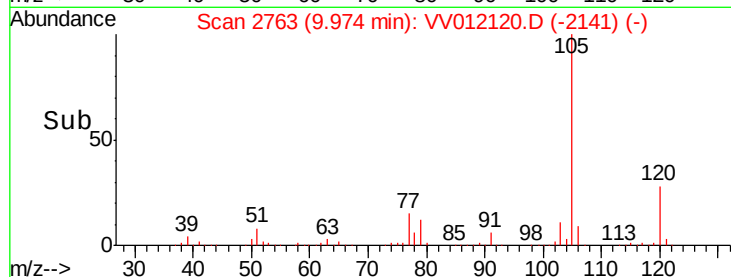
77 14.8 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 49.870 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012120.D

Acq: 07 Aug 2019 11:39

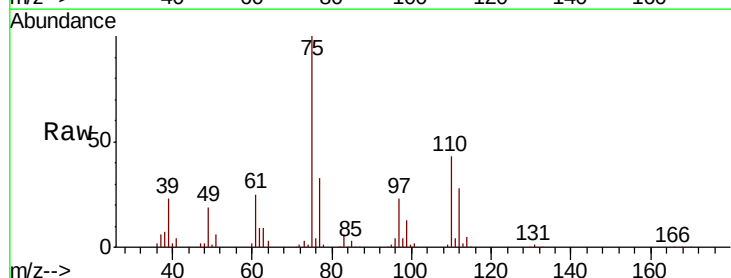
Tgt Ion: 75 Resp: 103589

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

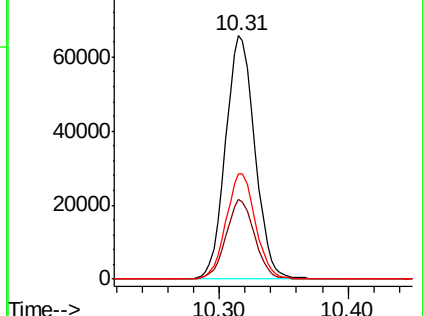
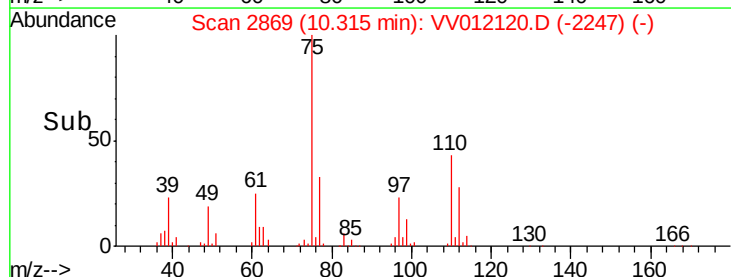
110 43.6 34.2 51.4

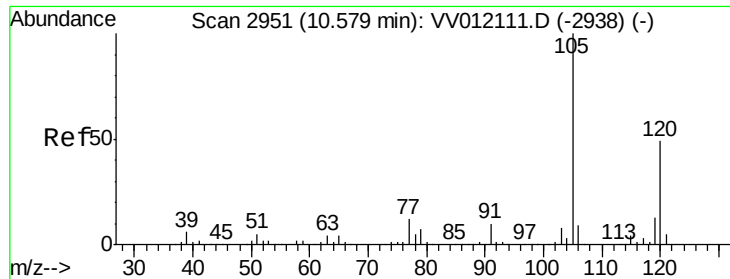


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

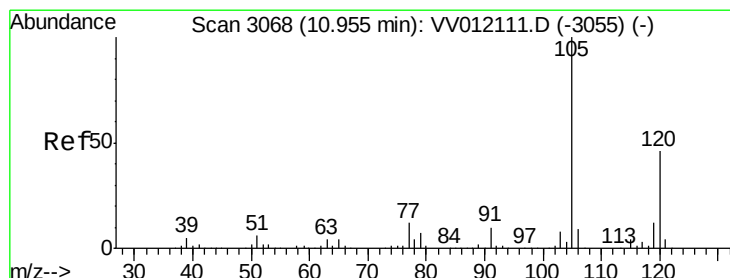
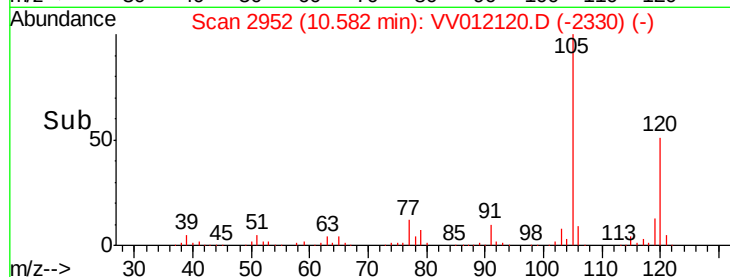
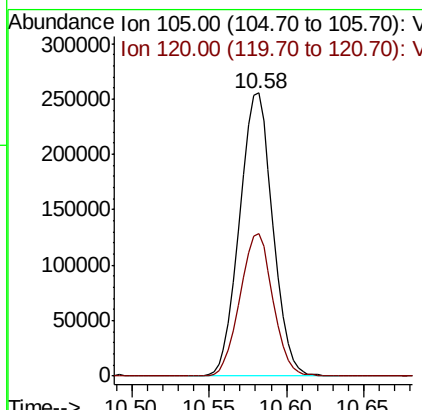
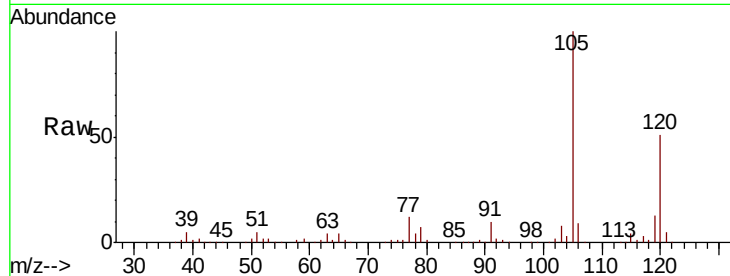




#62
 1,3,5-Trimethylbenzene
 Concen: 52.721 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

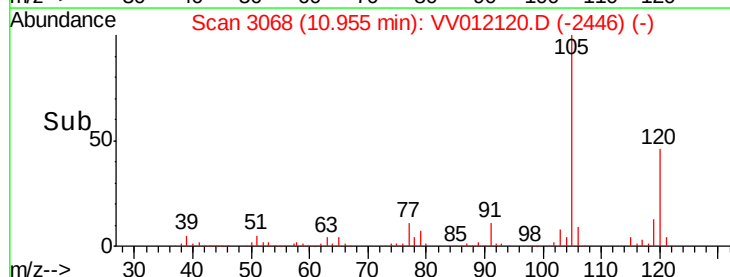
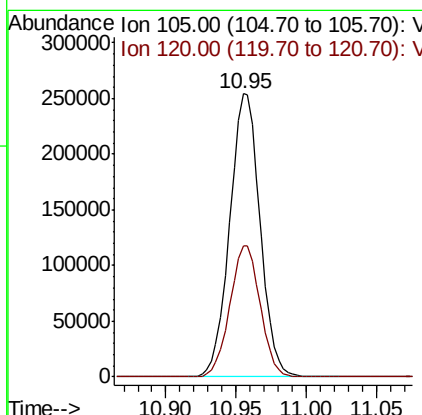
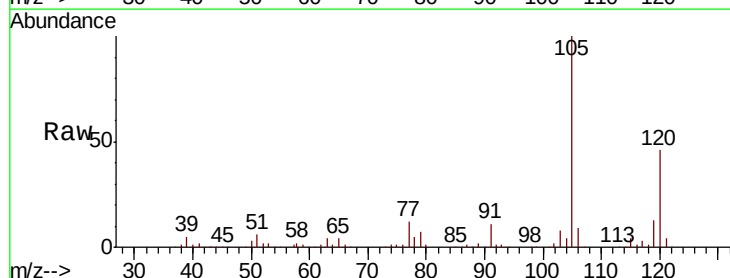
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

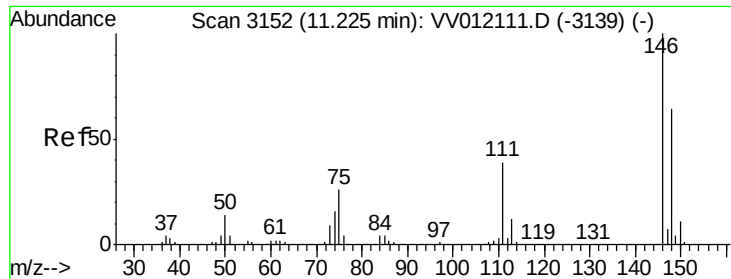
Tgt Ion:105 Resp: 381661
 Ion Ratio Lower Upper
 105 100
 120 50.1 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 53.475 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion:105 Resp: 382076
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.7 55.1

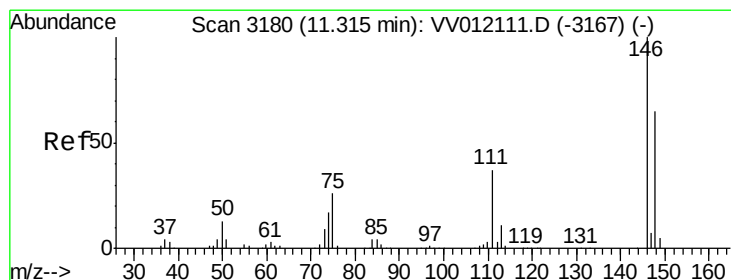
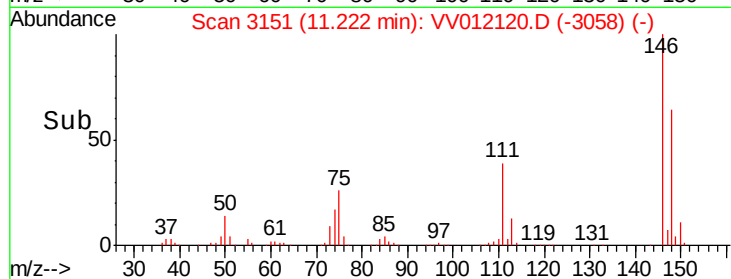
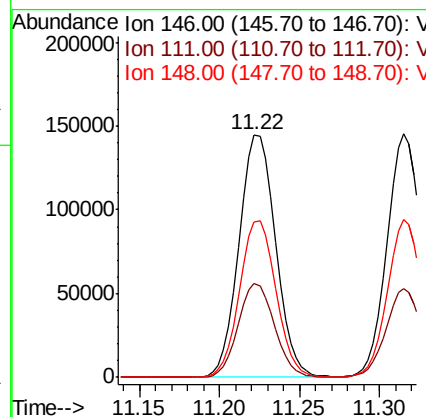
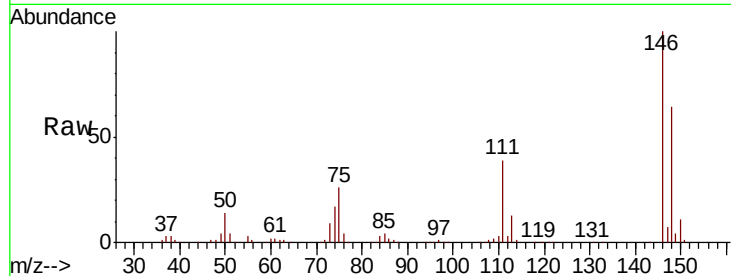




#64
 1,3-Dichlorobenzene
 Concen: 53.507 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

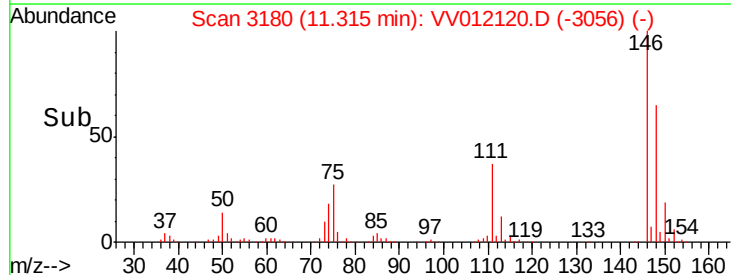
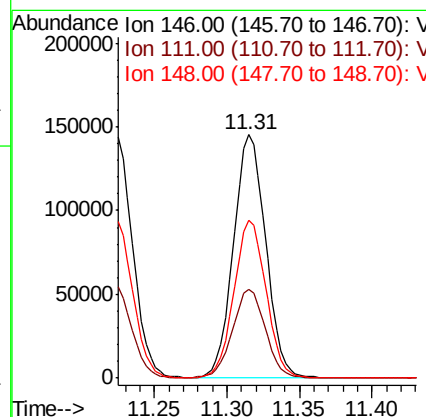
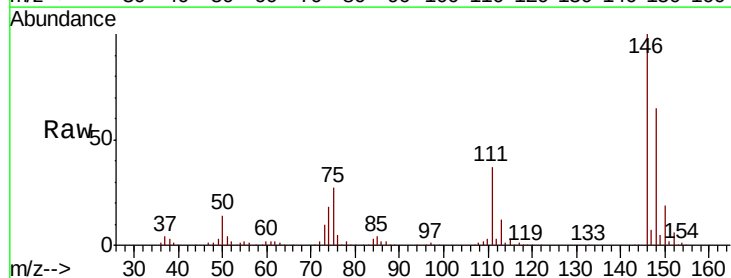
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

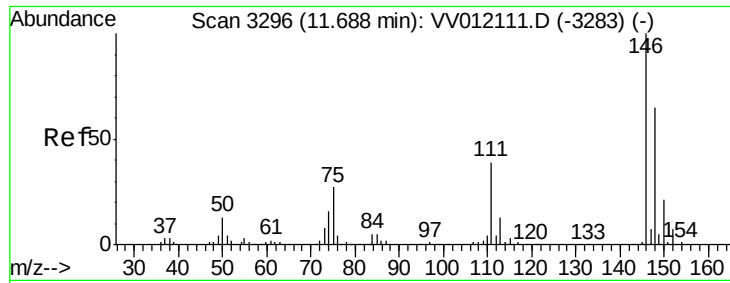
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.8	49.8
148	64.2	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 52.201 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.8	47.8
148	64.6	45.2	84.0

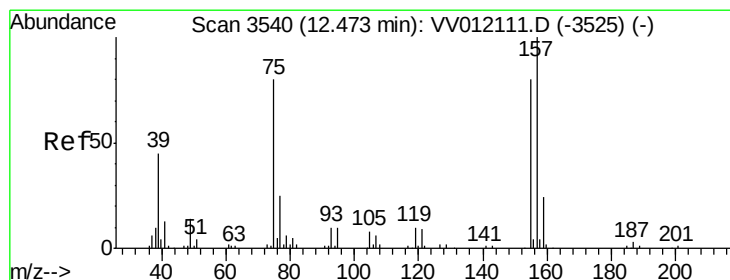
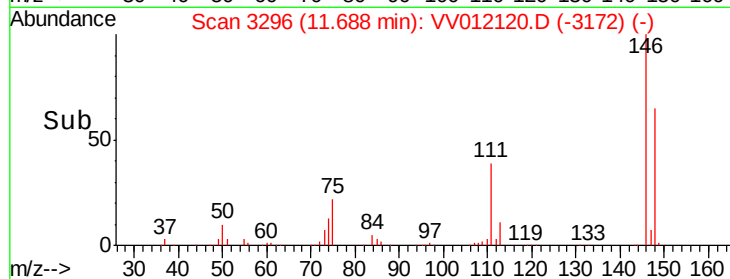
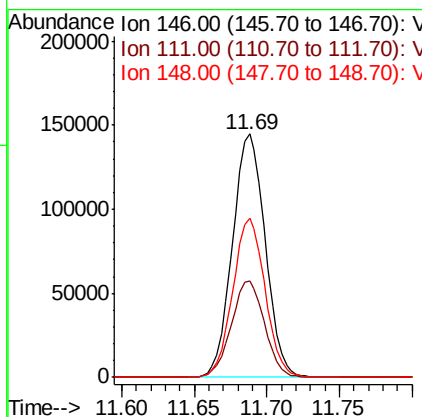
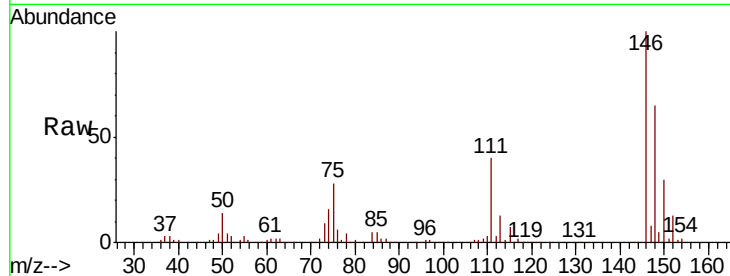




#67
 1,2-Dichlorobenzene
 Concen: 52.561 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

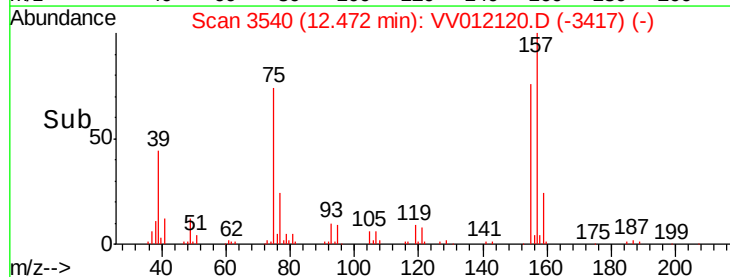
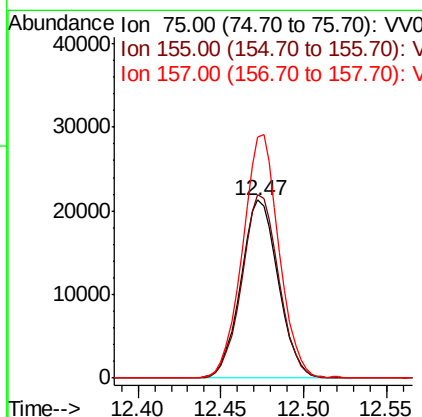
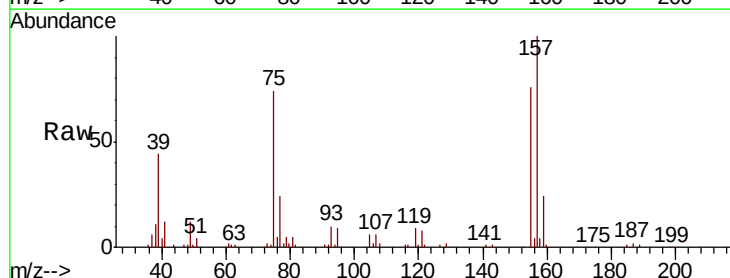
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

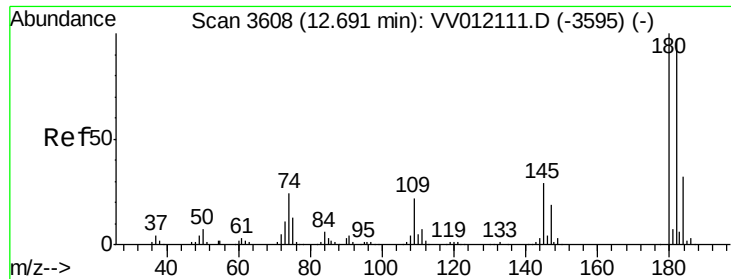
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.2	48.2
148	65.2	53.2	79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.866 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	81.2	121.8
157	135.2	102.3	153.5

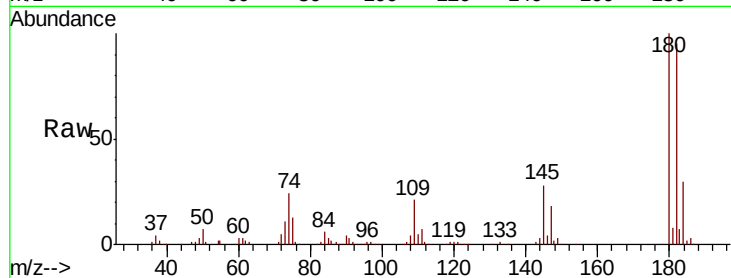




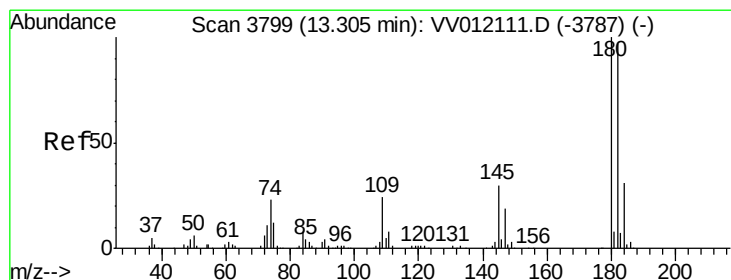
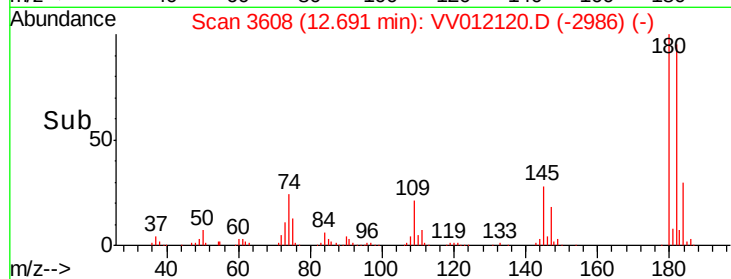
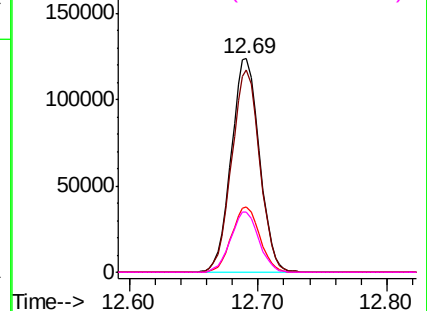
#69
 1,3,5-Trichlorobenzene
 Concen: 54.645 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tgt Ion:180 Resp: 187164
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.5 114.7
 184 30.5 24.6 36.8
 145 28.1 22.5 33.7

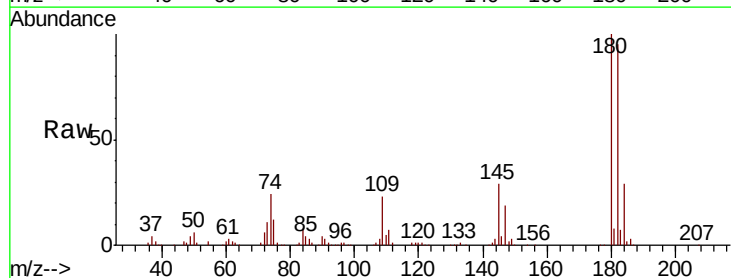


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

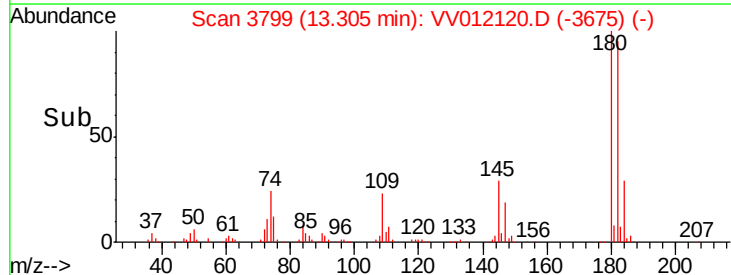
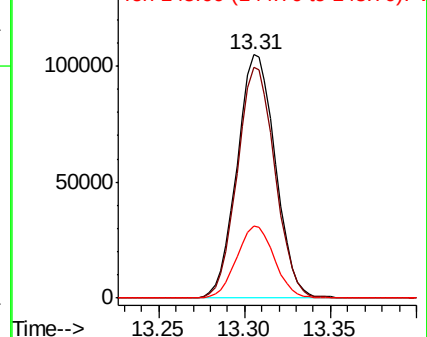


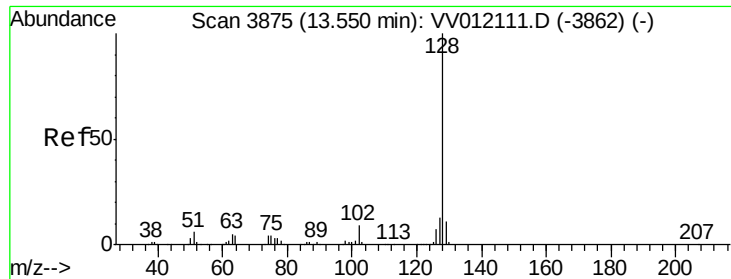
#70
 1,2,4-trichlorobenzene
 Concen: 54.706 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012120.D
 Acq: 07 Aug 2019 11:39

Tgt Ion:180 Resp: 162463
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.5 114.7
 145 29.2 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

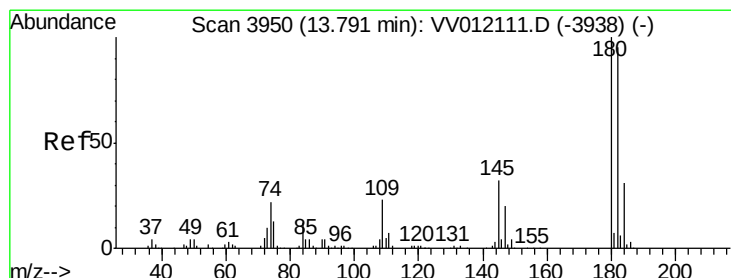
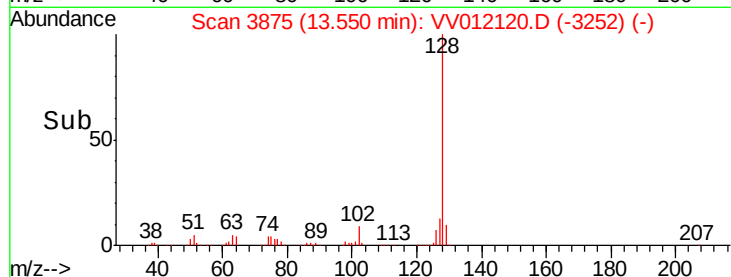
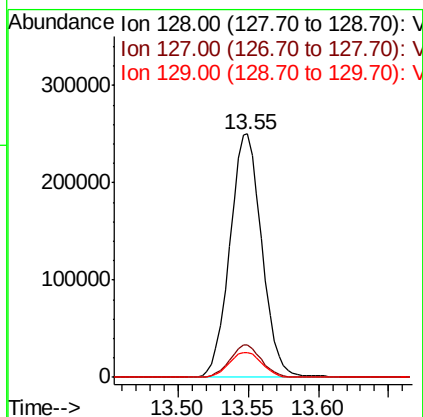
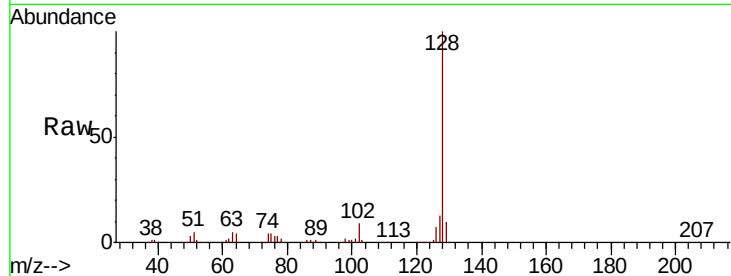




#71
Naphthalene
Concen: 52.711 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tgt Ion:128 Resp: 396744
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 53.488 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012120.D
Acq: 07 Aug 2019 11:39

Tgt Ion:180 Resp: 159850
Ion Ratio Lower Upper
180 100
182 97.1 77.2 115.8
145 31.2 24.6 36.8

