

Data File : VV012184.D
Acq On : 10 Aug 2019 05:45
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Quant Time: Aug 10 09:07:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:07:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	260828	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	244812	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	127609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42837	44.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.28%
7) Chloroethane-d5	1.57	69	27902	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	91799	50.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.22%
21) 2-Butanone-d5	3.93	46	51112	107.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.73%
24) Chloroform-d	4.40	84	98039	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.08	65	59434	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
32) Benzene-d6	5.10	84	192419	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
36) 1,2-Dichloropropane-d6	6.12	67	49629	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.36	98	181400	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%
43) trans-1,3-Dichloropropene-	7.66	79	25948	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.13	63	39267	99.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.41%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	70361	49.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.42%
64) 1,2-Dichlorobenzene-d4	11.67	152	75386	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	114841	51.867	ug/L 99
3) Chloromethane	1.25	50	72978	46.705	ug/L 100
5) Vinyl chloride	1.32	62	69666	48.310	ug/L 100
6) Bromomethane	1.52	94	33253	39.309	ug/L 96
8) Chloroethane	1.59	64	37068	49.069	ug/L 98
9) Trichlorofluoromethane	1.77	101	131637	53.442	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57591	50.087	ug/L 99
12) 1,1-Dichloroethene	2.14	96	55019	51.992	ug/L 91
13) Acetone	2.18	43	56057	81.368	ug/L 95
14) Carbon disulfide	2.32	76	195965	51.339	ug/L 99
15) Methyl Acetate	2.45	43	73283	51.941	ug/L 99
16) Methylene chloride	2.53	84	85429	52.740	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	80928	52.419	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	267911	53.898	ug/L 99
19) 1,1-Dichloroethane	3.23	63	139916	51.673	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	92131	52.527	ug/L 96
22) 2-Butanone	4.01	43	101154	98.587	ug/L 95

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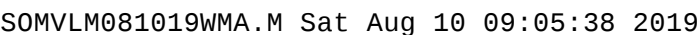
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

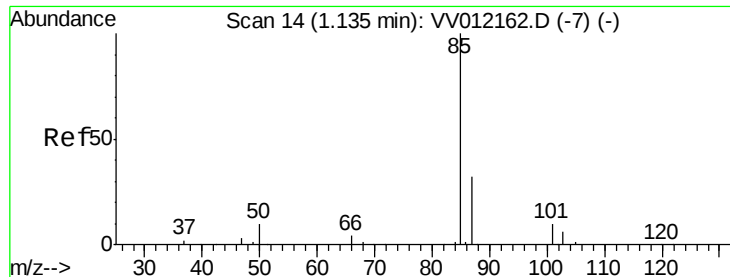
Quant Time: Aug 10 09:07:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:07:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52794	54.493	ug/L	95
25) Chloroform	4.42	83	161857	53.082	ug/L	99
27) 1,2-Dichloroethane	5.18	62	131472	54.852	ug/L	99
29) Cyclohexane	4.73	56	114529	50.235	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	156714	54.924	ug/L	100
31) Carbon tetrachloride	4.87	117	148443	55.791	ug/L	99
33) Benzene	5.14	78	328237	53.060	ug/L	100
34) Trichloroethene	5.96	95	88234	52.240	ug/L	95
35) Methylcyclohexane	6.18	83	131240	49.896	ug/L	99
37) 1,2-Dichloropropane	6.22	63	76657	51.500	ug/L	99
38) Bromodichloromethane	6.55	83	126132	54.687	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	126867	49.420	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	199921	104.548	ug/L	99
42) Toluene	7.43	91	368273	53.793	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	116554	50.277	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	88940	53.983	ug/L	98
46) Tetrachloroethene	8.02	164	85960	53.241	ug/L	98
48) 2-Hexanone	8.18	43	148247	102.583	ug/L	99
49) Dibromochloromethane	8.29	129	114051	54.690	ug/L	99
50) 1,2-Dibromoethane	8.40	107	95716	53.165	ug/L	99
51) Chlorobenzene	8.92	112	248437	53.098	ug/L	100
52) Ethylbenzene	9.05	91	409077	53.522	ug/L	98
53) m,p-Xylene	9.18	106	161050	53.474	ug/L	98
54) o-xylene	9.59	106	159085	53.286	ug/L	97
55) Styrene	9.60	104	270899	54.279	ug/L	99
56) Isopropylbenzene	9.97	105	420543	53.349	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	133757	52.993	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	107585	53.568	ug/L	99
61) Bromoform	9.77	173	90497	55.217	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	205016	52.902	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	204216	52.920	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	210230	53.703	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	32582	53.705	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	156689	51.349	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	129986	51.337	ug/L	98
69) Naphthalene	13.55	128	379849	53.735	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	141543	53.238	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 51.867 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

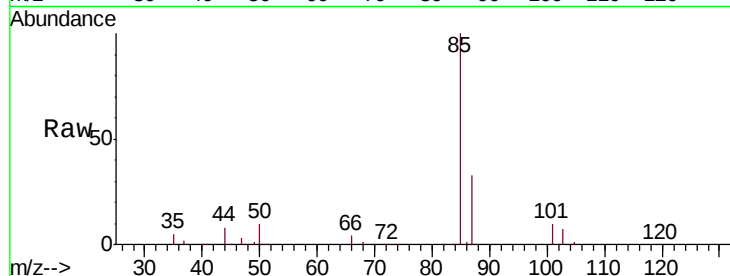
VSTD05072

Tgt Ion: 85 Resp: 114841

Ion Ratio Lower Upper

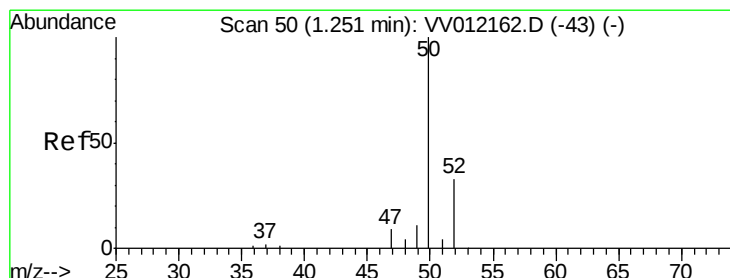
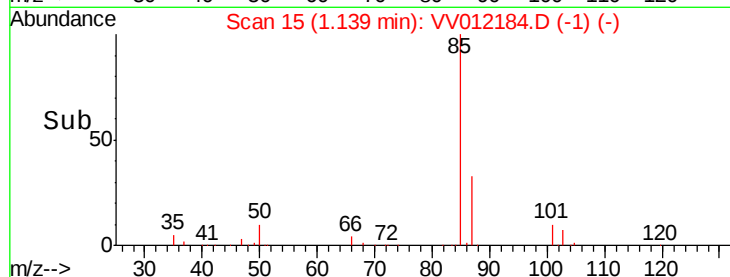
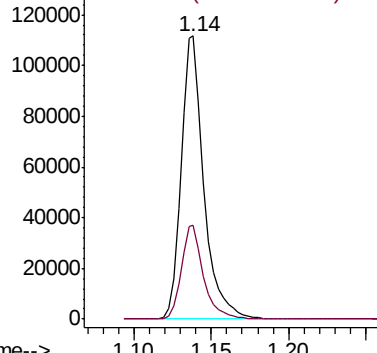
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 46.705 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012184.D

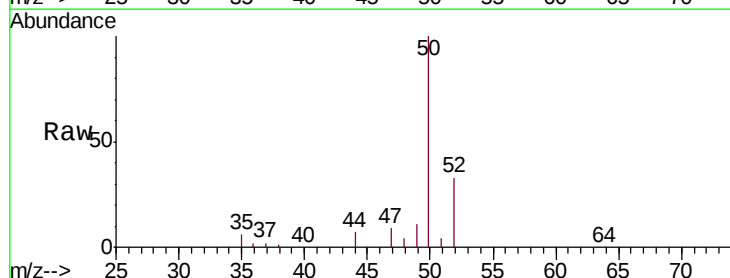
Acq: 10 Aug 2019 05:45

Tgt Ion: 50 Resp: 72978

Ion Ratio Lower Upper

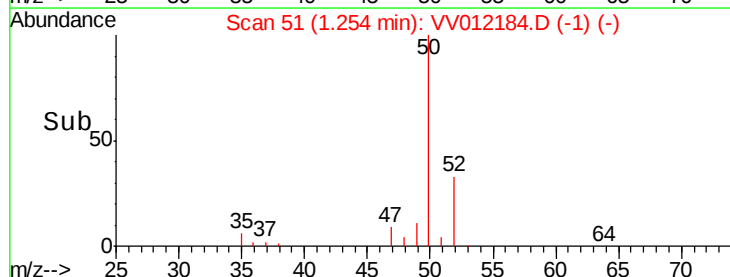
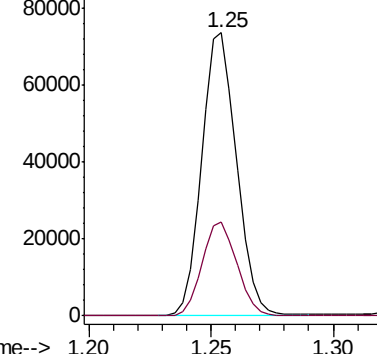
50 100

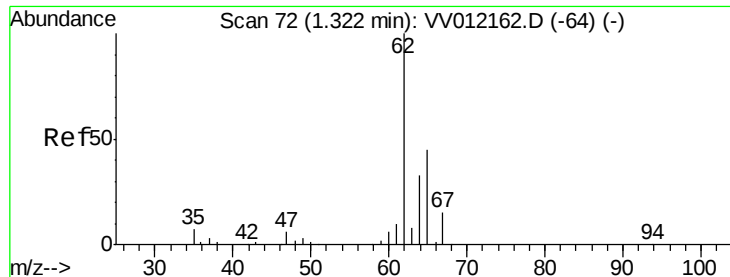
52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.310 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

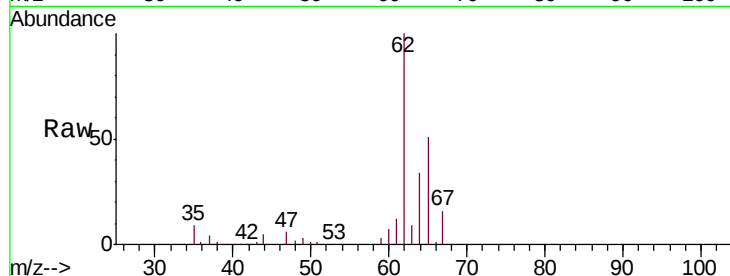
VSTD05072

Tgt Ion: 62 Resp: 69666

Ion Ratio Lower Upper

62 100

64 34.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV012162.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012184.D (-64) (-)

1.32

60000

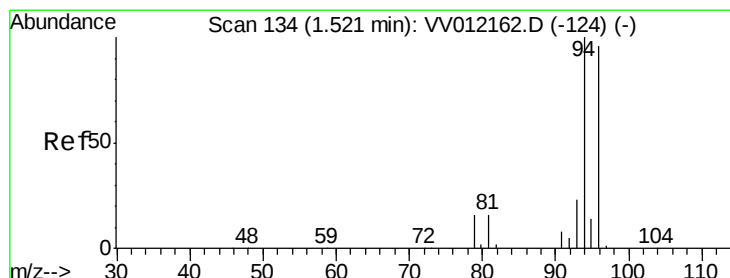
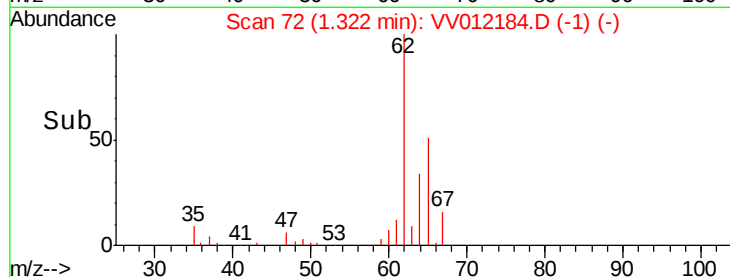
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 39.309 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV012184.D

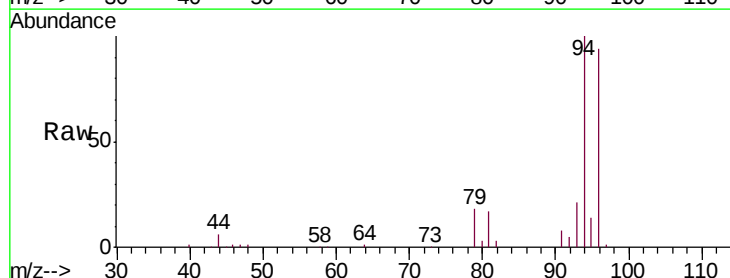
Acq: 10 Aug 2019 05:45

Tgt Ion: 94 Resp: 33253

Ion Ratio Lower Upper

94 100

96 93.5 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV012162.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV012184.D (-124) (-)

1.52

30000

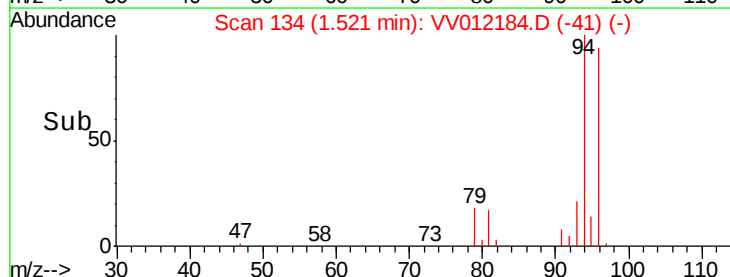
20000

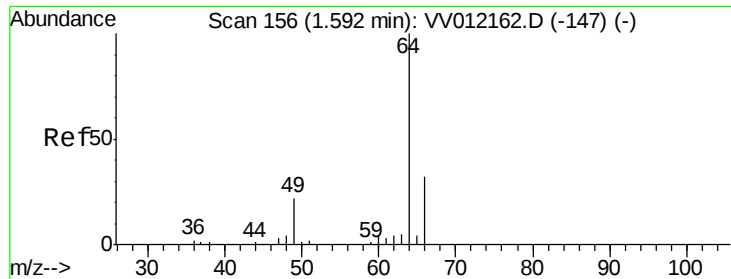
10000

0

1.50 1.55

Time-->

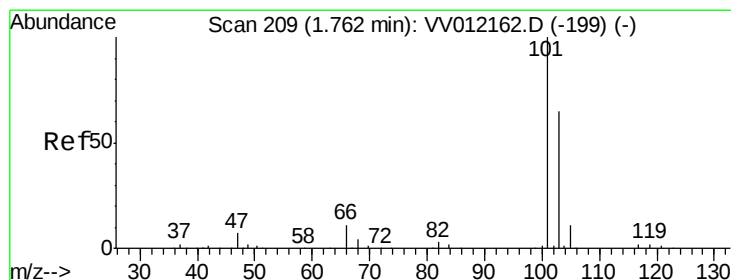
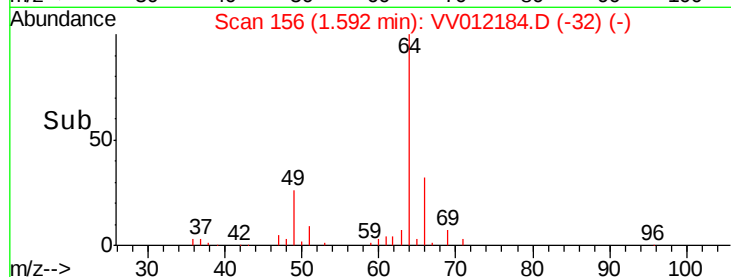
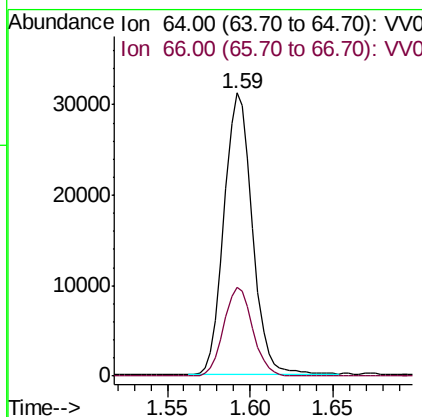
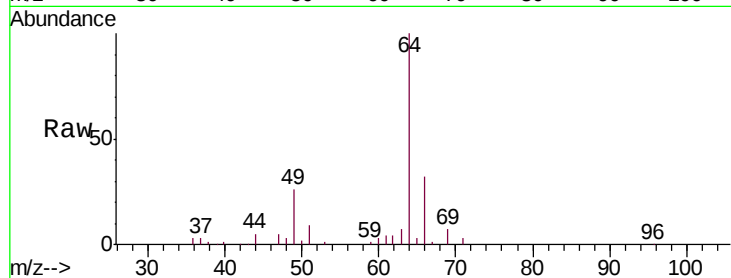




#8
Chloroethane
Concen: 49.069 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

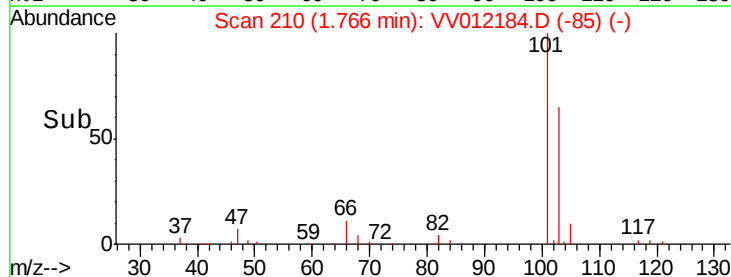
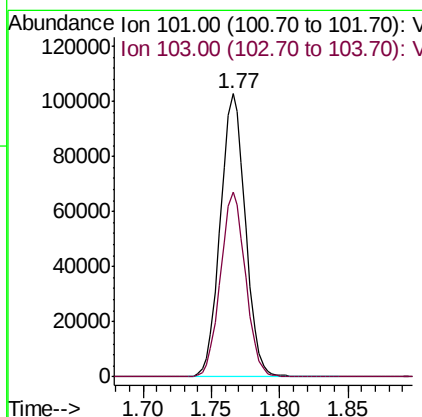
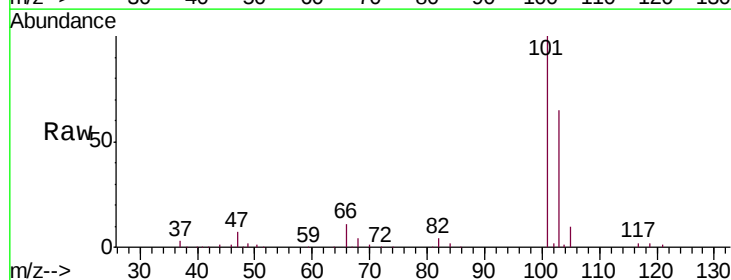
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

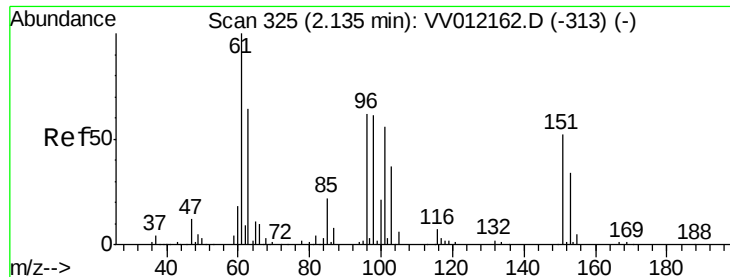
Tgt Ion: 64 Resp: 37068
Ion Ratio Lower Upper
64 100
66 31.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 53.442 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

Tgt Ion: 101 Resp: 131637
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6





#10

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

Concen: 50.087 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

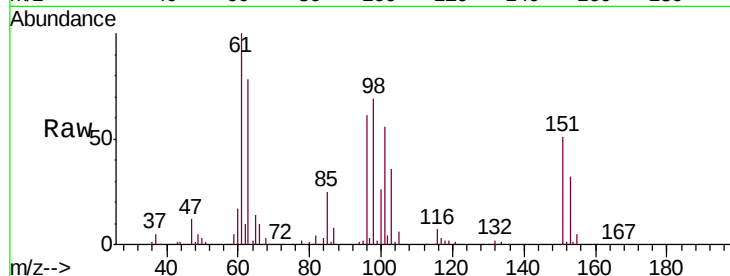
Tgt Ion: 101 Resp: 57591

Ion Ratio Lower Upper

101 100

85 43.5 33.6 50.4

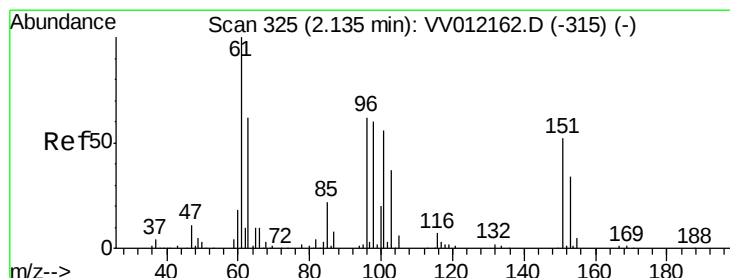
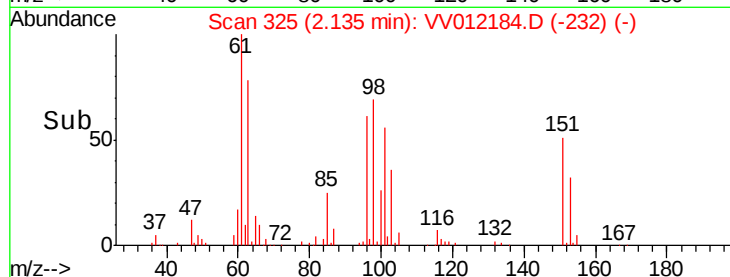
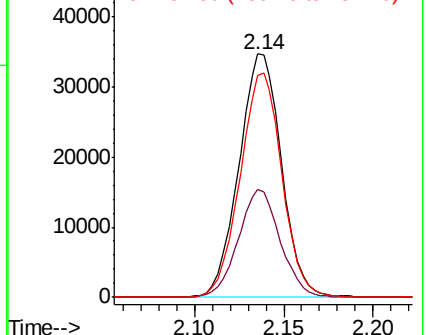
151 90.8 71.8 107.8



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: 51.992 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

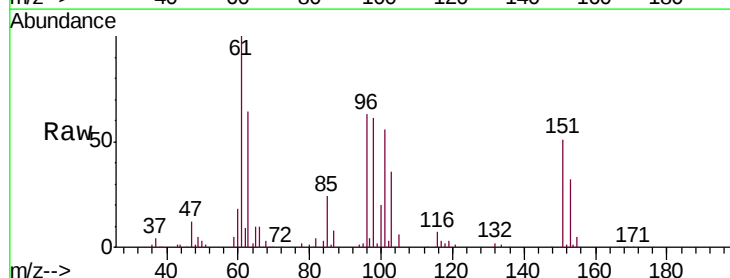
Tgt Ion: 96 Resp: 55019

Ion Ratio Lower Upper

96 100

61 159.1 115.1 213.8

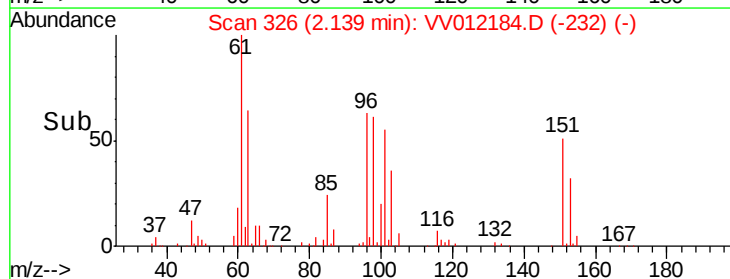
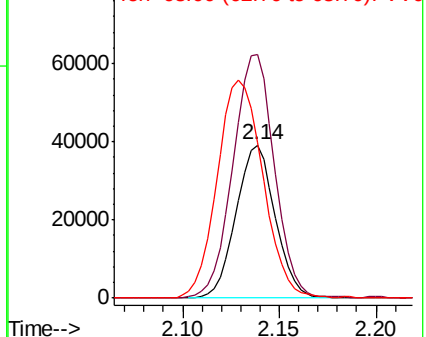
63 101.8 83.9 155.7

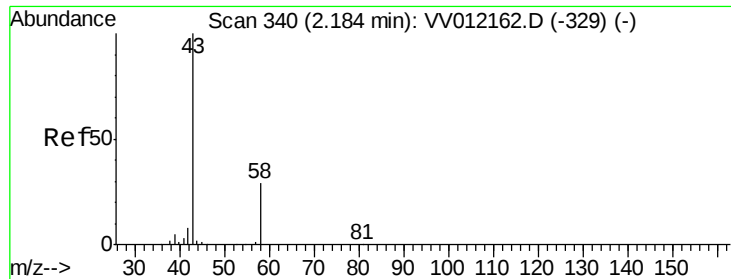


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 81.368 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

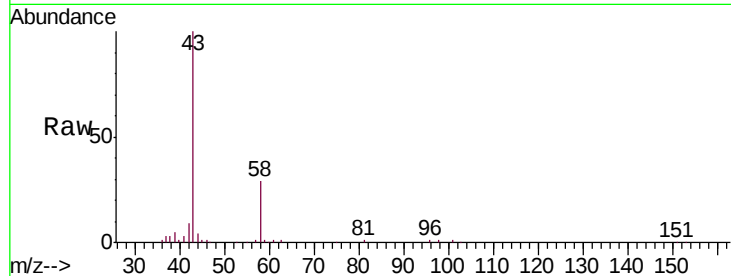
VSTD05072

Tgt Ion: 43 Resp: 56057

Ion Ratio Lower Upper

43 100

58 28.9 0.0 63.4

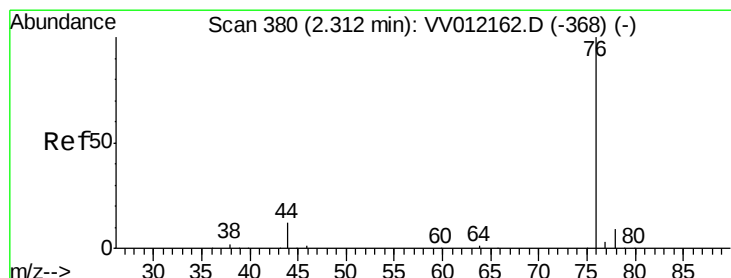
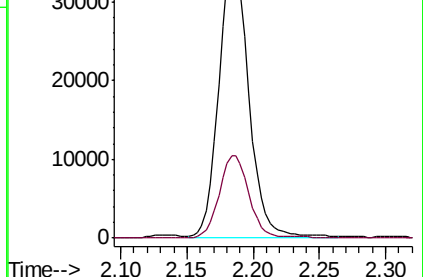
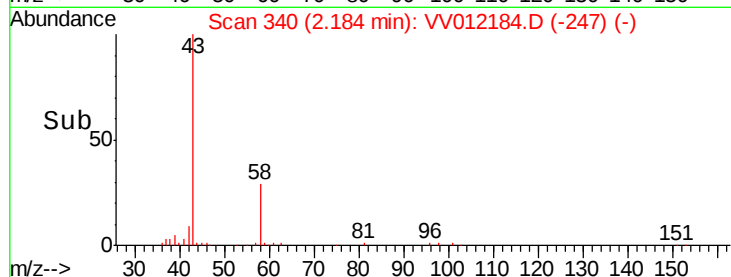


Abundance Ion 43.00 (42.70 to 43.70): VV012162.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012162.D (-329) (-)

2.18

Time-->



#14

Carbon disulfide

Concen: 51.339 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012184.D

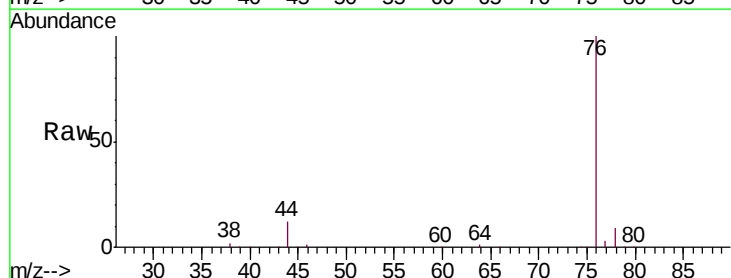
Acq: 10 Aug 2019 05:45

Tgt Ion: 76 Resp: 195965

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

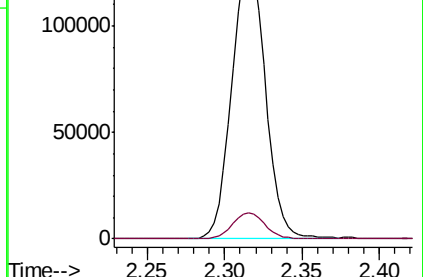
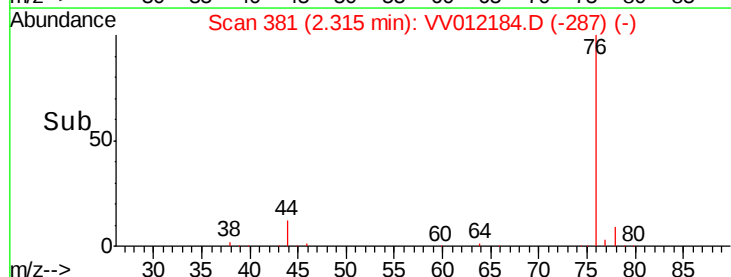


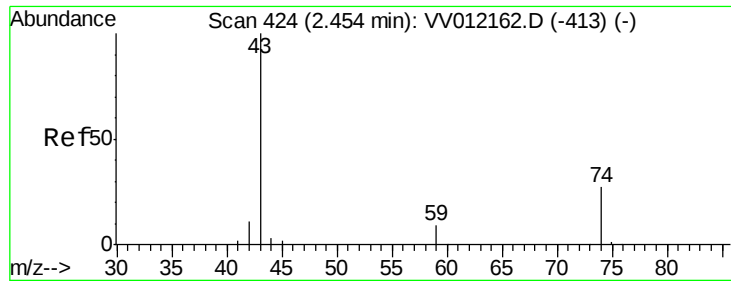
Abundance Ion 76.00 (75.70 to 76.70): VV012162.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012162.D (-368) (-)

2.32

Time-->





#15

Methyl Acetate

Concen: 51.941 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

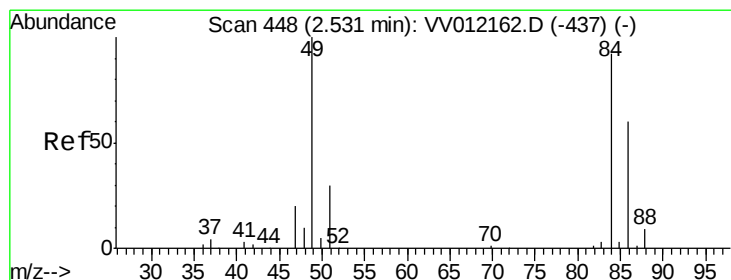
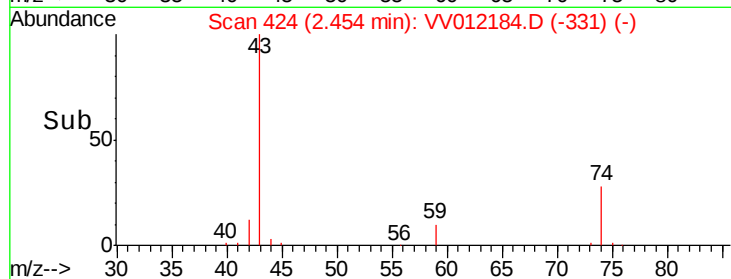
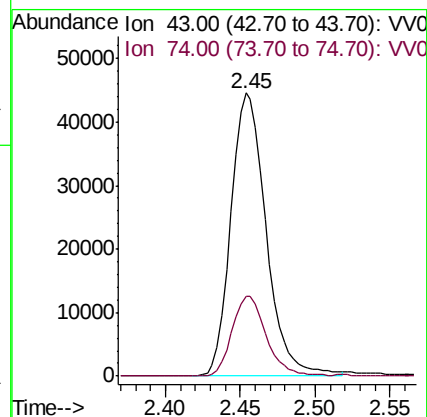
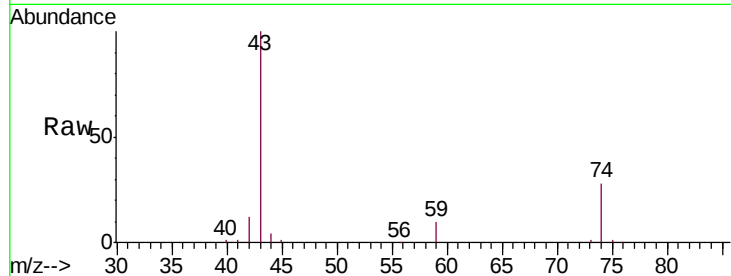
VSTD05072

Tgt Ion: 43 Resp: 73283

Ion Ratio Lower Upper

43 100

74 27.4 22.4 33.6



#16

Methylene chloride

Concen: 52.740 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

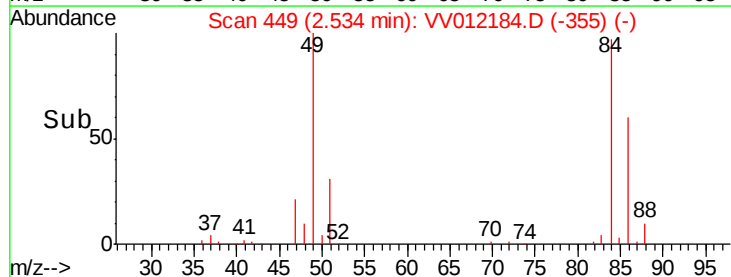
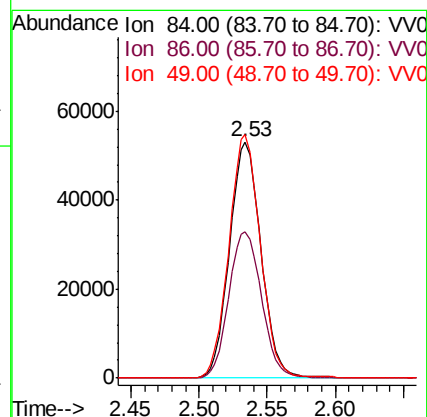
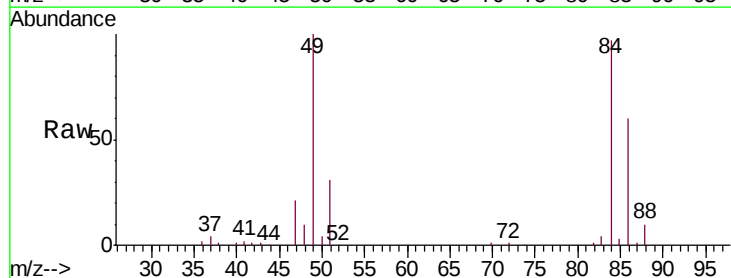
Tgt Ion: 84 Resp: 85429

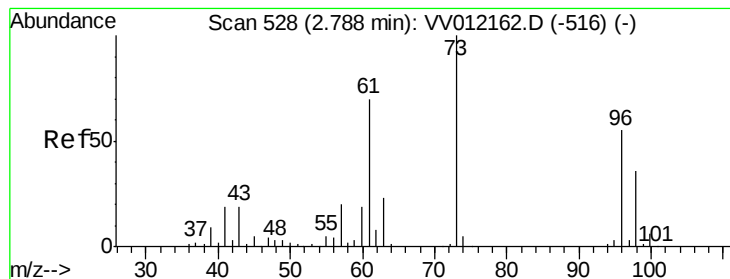
Ion Ratio Lower Upper

84 100

86 62.2 47.0 87.4

49 103.1 74.8 139.0





#17

trans-1,2-Dichloroethene

Concen: 52.419 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

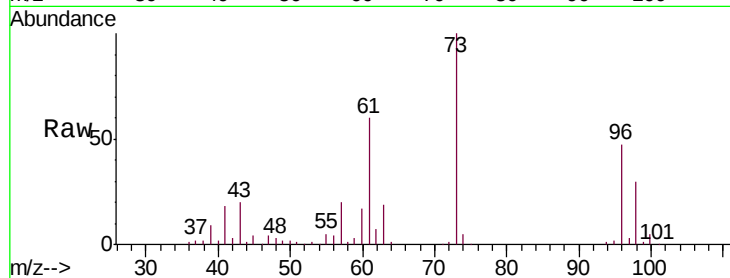
Tgt Ion: 96 Resp: 80928

Ion Ratio Lower Upper

96 100

61 127.5 89.3 165.9

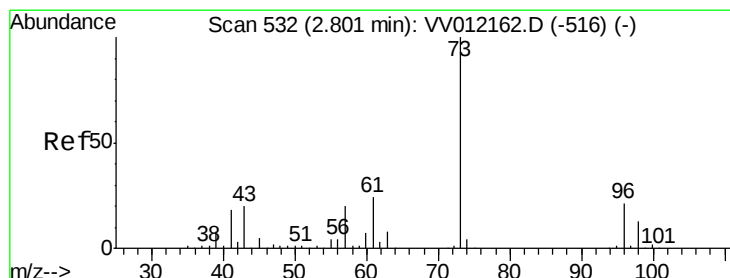
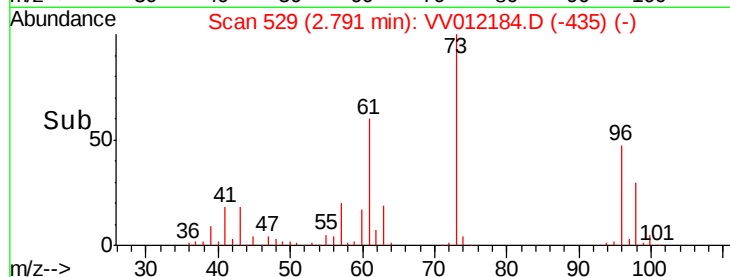
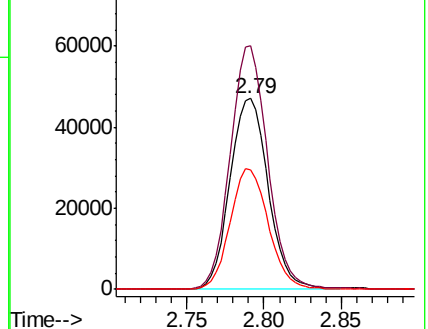
98 62.7 44.7 83.1



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: 53.898 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

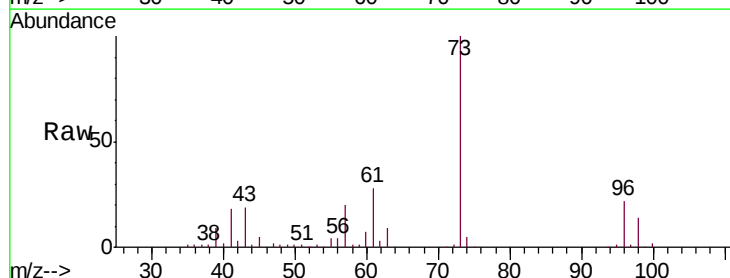
Tgt Ion: 73 Resp: 267911

Ion Ratio Lower Upper

73 100

43 19.8 15.2 22.8

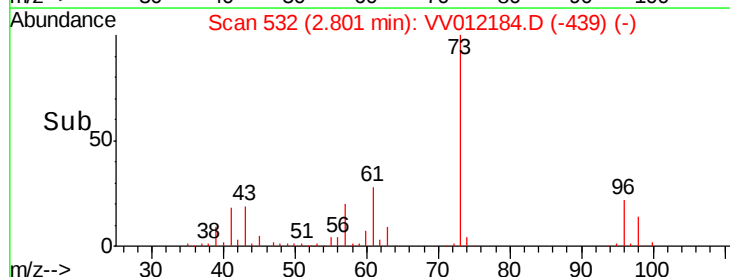
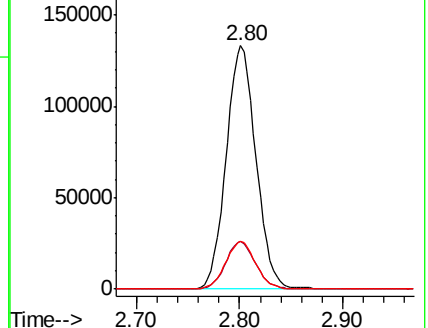
57 19.7 16.2 24.2

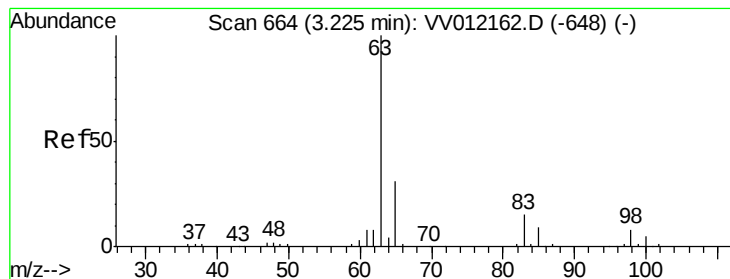


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.673 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

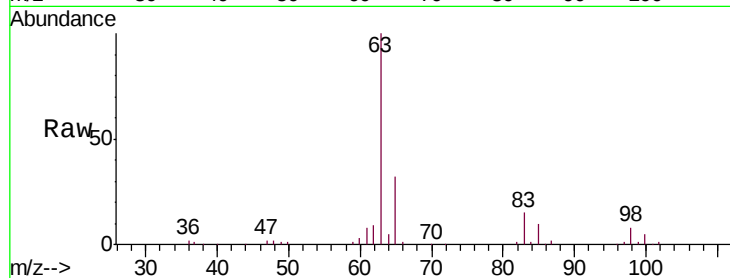
Tgt Ion: 63 Resp: 139916

Ion Ratio Lower Upper

63 100

65 32.2 22.9 42.5

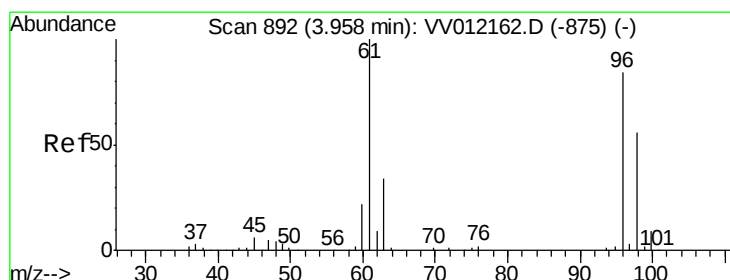
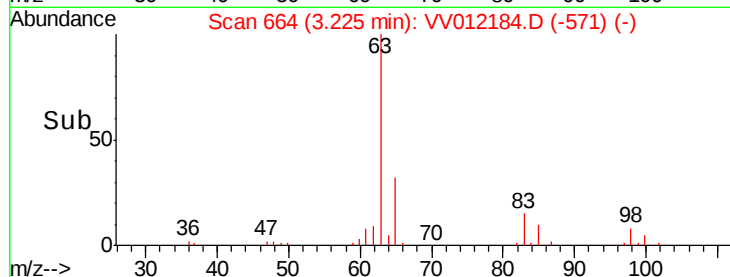
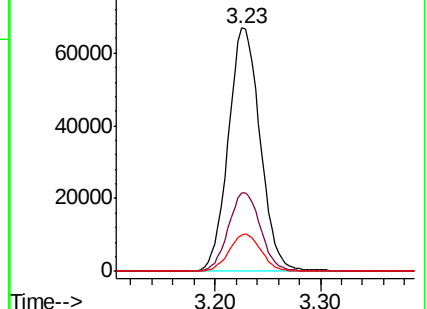
83 15.0 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 52.527 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

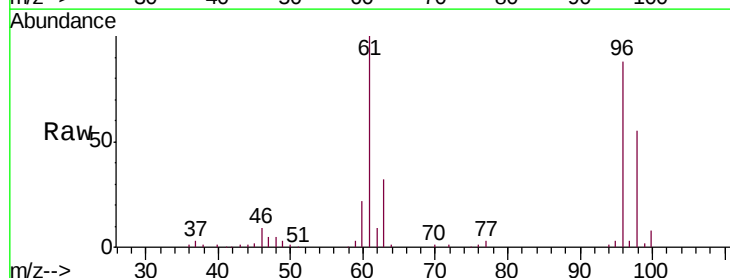
Tgt Ion: 96 Resp: 92131

Ion Ratio Lower Upper

96 100

61 114.1 82.9 153.9

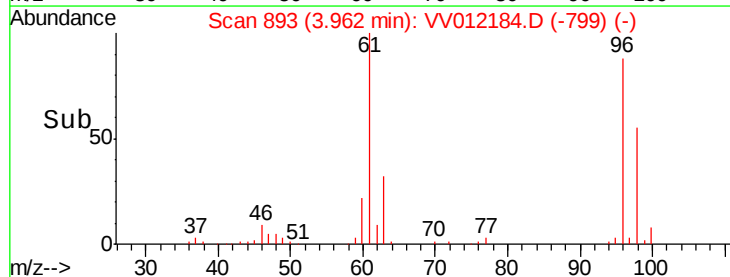
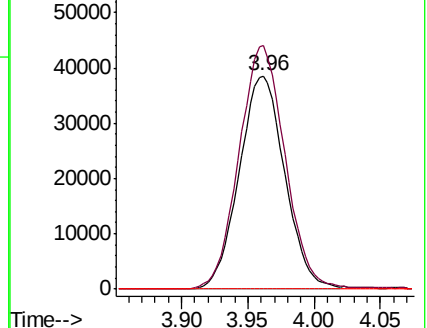
68 0.0 0.0 0.0

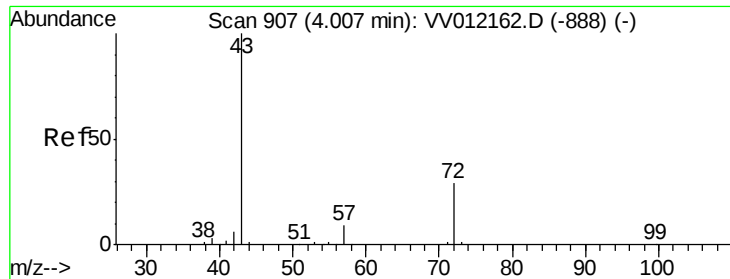


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 98.587 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

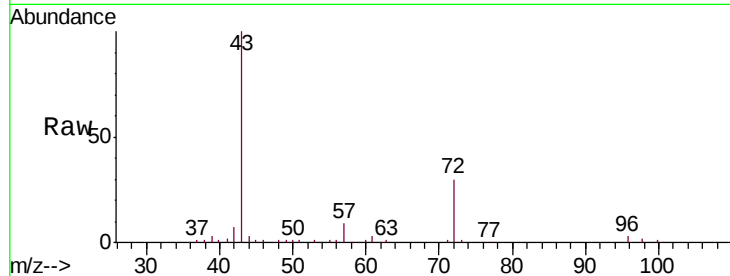
VSTD05072

Tgt Ion: 43 Resp: 101154

Ion Ratio Lower Upper

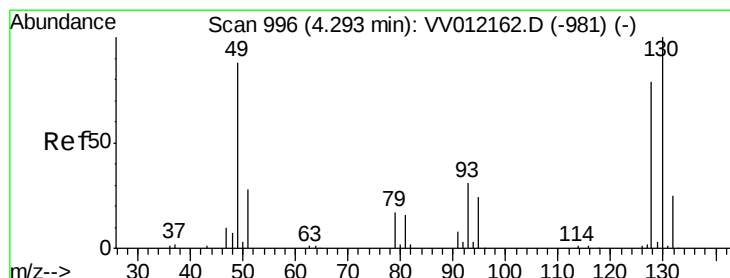
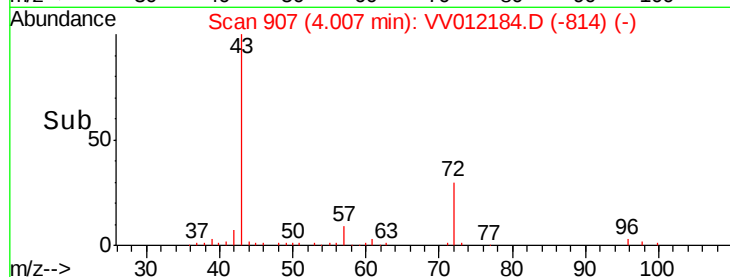
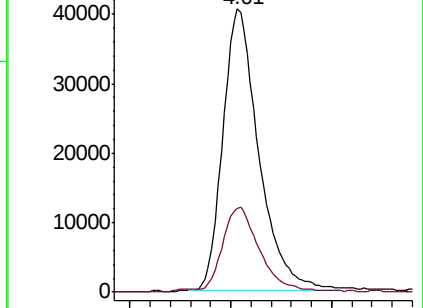
43 100

72 30.7 14.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VV012162.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV012162.D (-888) (-)



#23

Bromochloromethane

Concen: 54.493 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Tgt Ion: 128 Resp: 52794

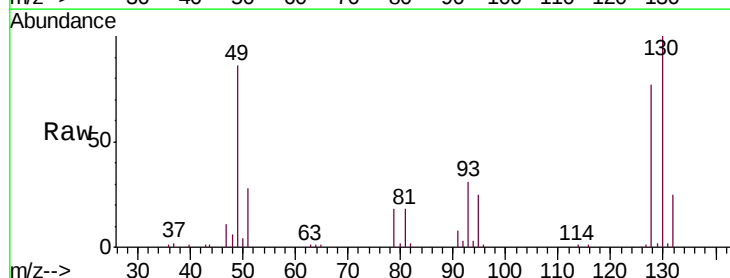
Ion Ratio Lower Upper

128 100

49 111.7 85.7 159.1

130 130.4 89.9 166.9

51 36.7 31.7 47.5

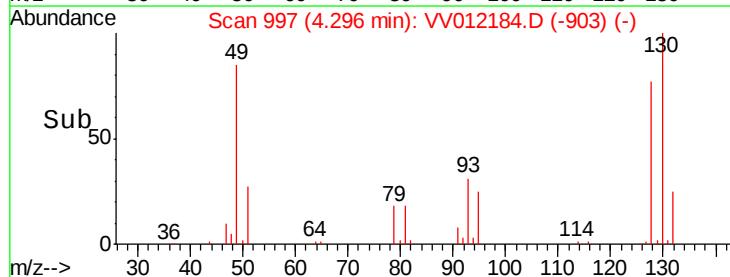
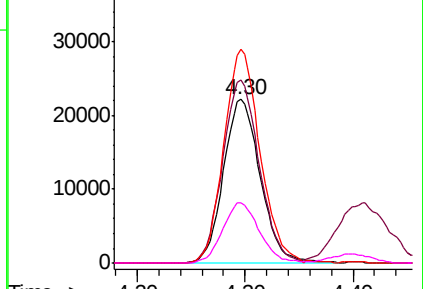


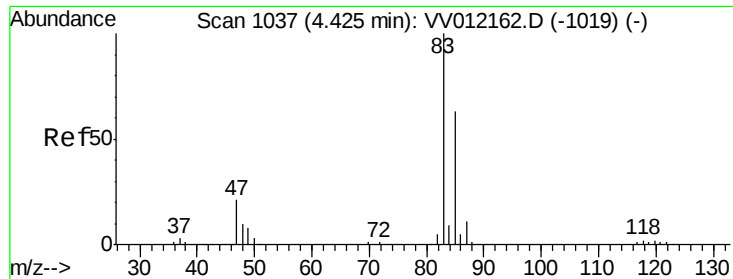
Abundance Ion 128.00 (127.70 to 128.70): VV012184.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV012184.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV012184.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV012184.D (-903) (-)

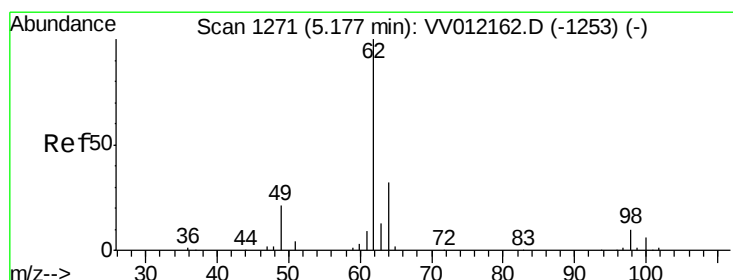
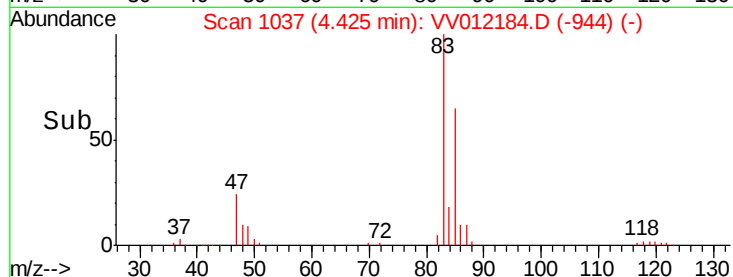
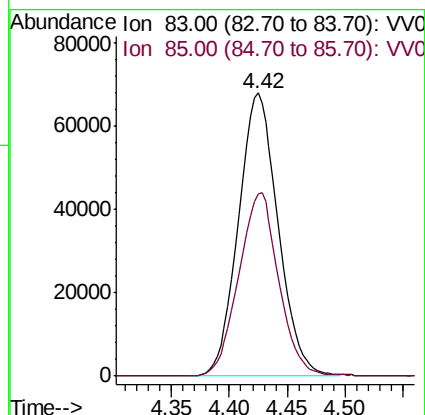
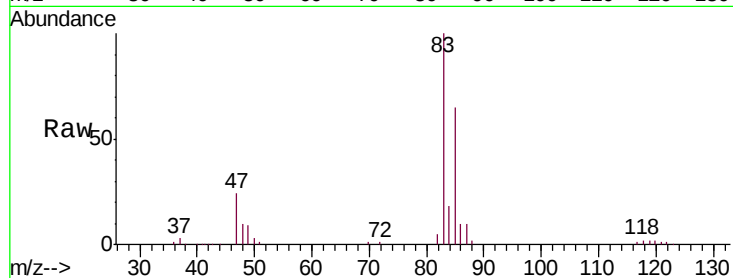




#25
Chloroform
Concen: 53.082 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

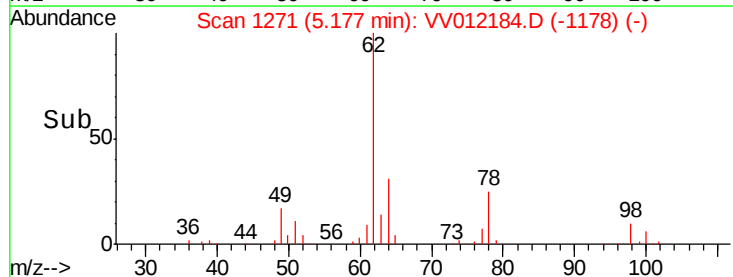
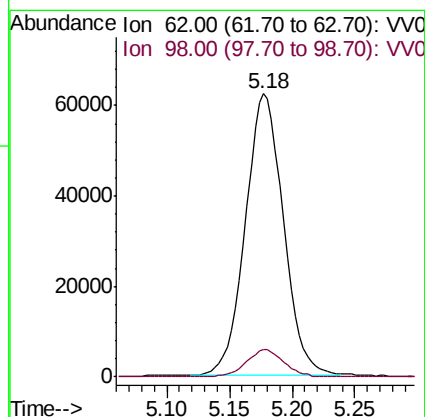
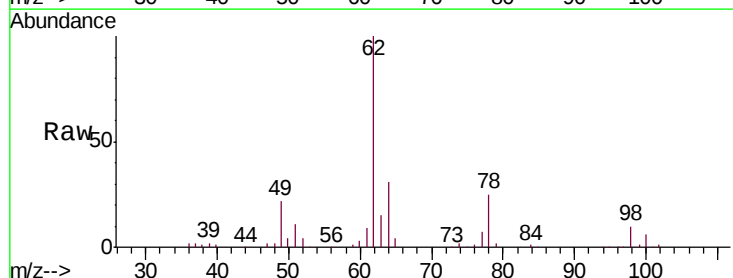
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

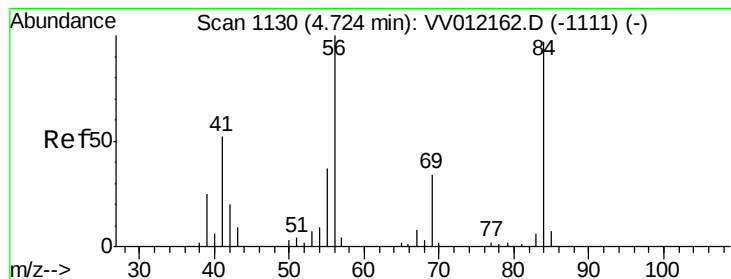
Tgt Ion: 83 Resp: 161857
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 54.852 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

Tgt Ion: 62 Resp: 131472
Ion Ratio Lower Upper
62 100
98 9.8 8.1 12.1





#29

Cyclohexane

Concen: 50.235 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

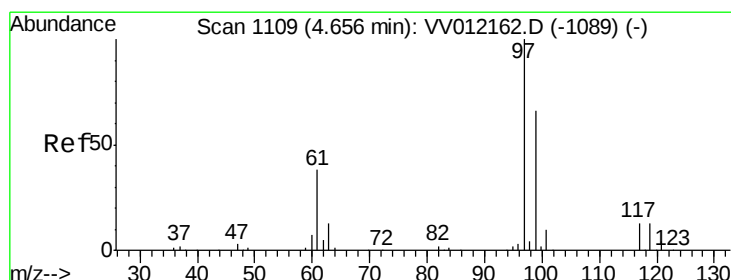
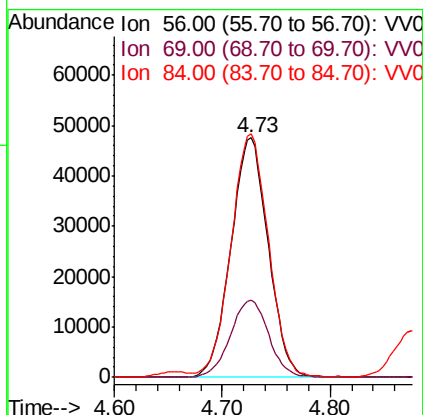
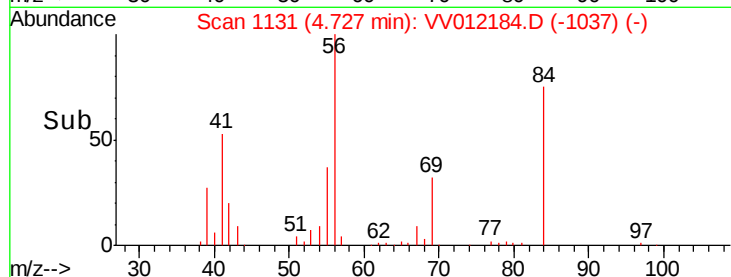
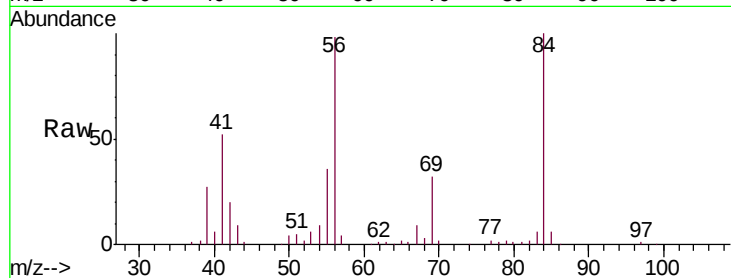
Tgt Ion: 56 Resp: 114529

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

84 102.5 78.6 117.8



#30

1,1,1-Trichloroethane

Concen: 54.924 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

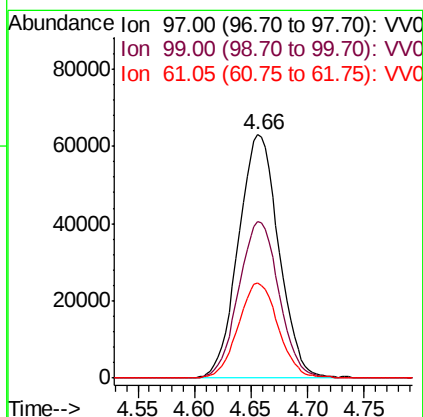
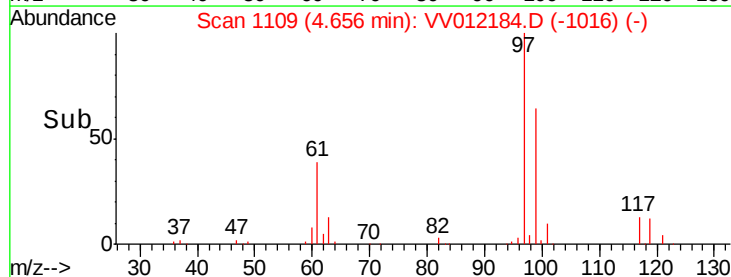
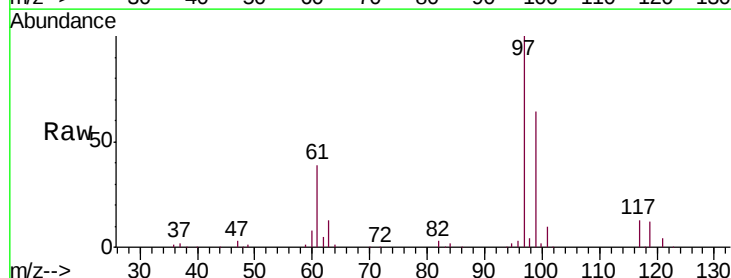
Tgt Ion: 97 Resp: 156714

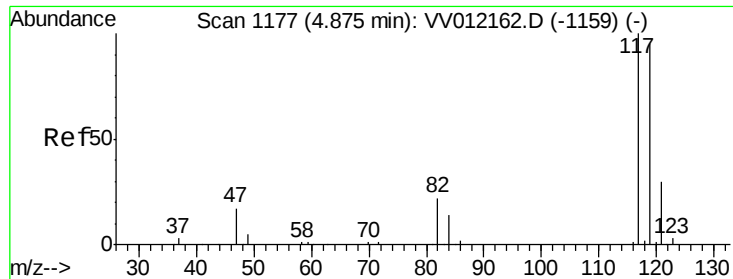
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 38.8 31.5 47.3





#31

Carbon tetrachloride

Concen: 55.791 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

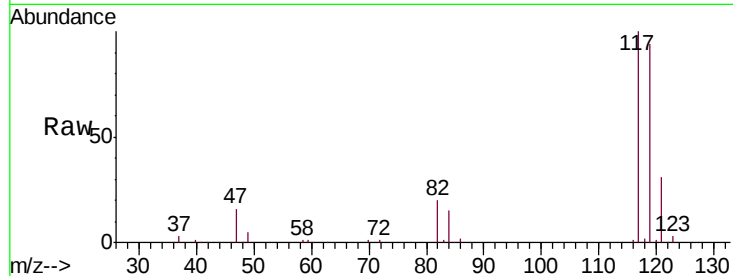
VSTD05072

Tgt Ion:117 Resp: 148443

Ion Ratio Lower Upper

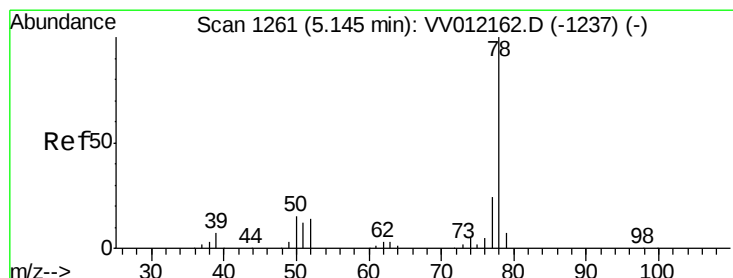
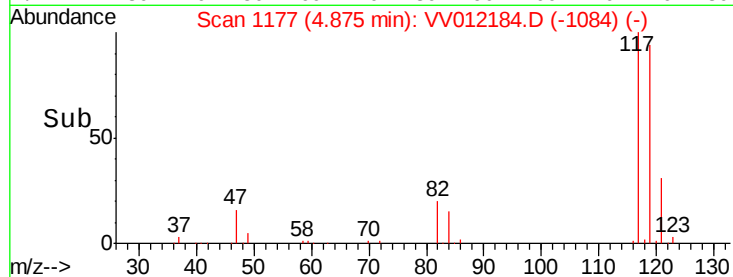
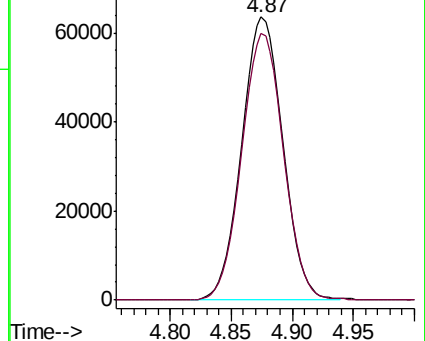
117 100

119 95.5 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.060 ug/L

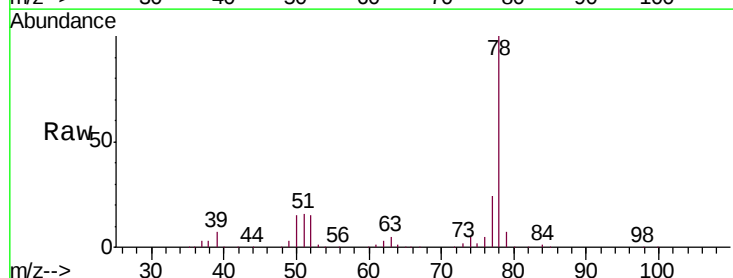
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

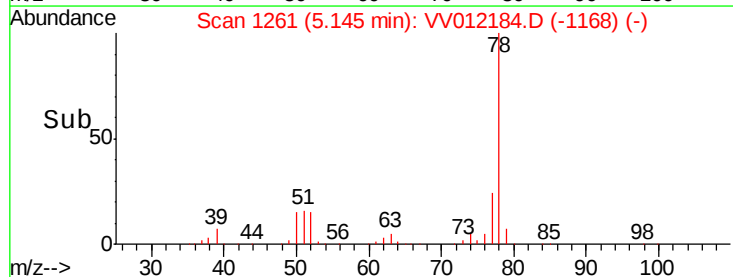
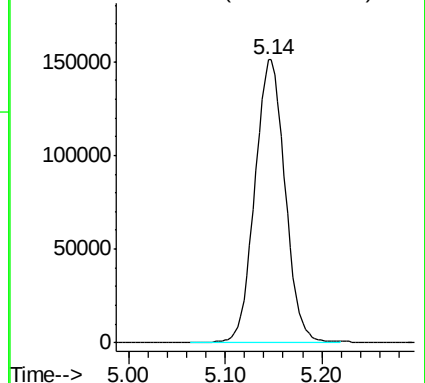
Lab File: VV012184.D

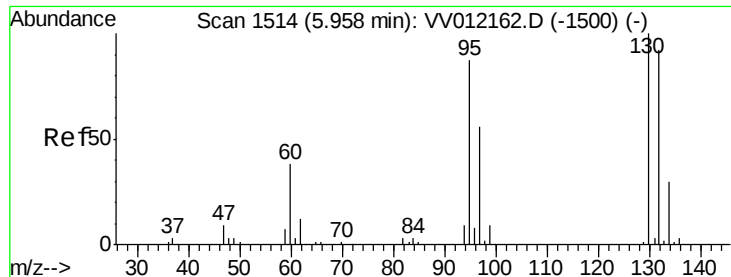
Acq: 10 Aug 2019 05:45

Tgt Ion: 78 Resp: 328237



Abundance Ion 78.00 (77.70 to 78.70): VV0

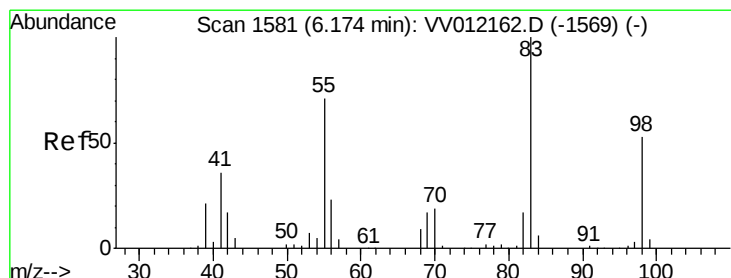
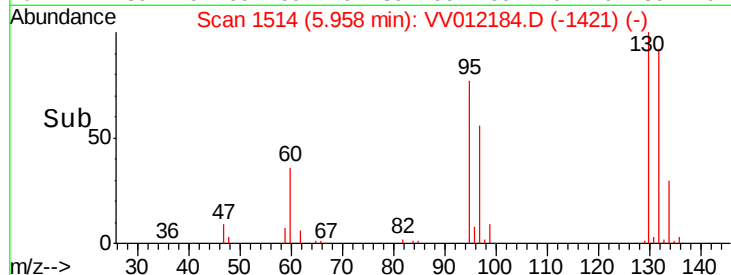
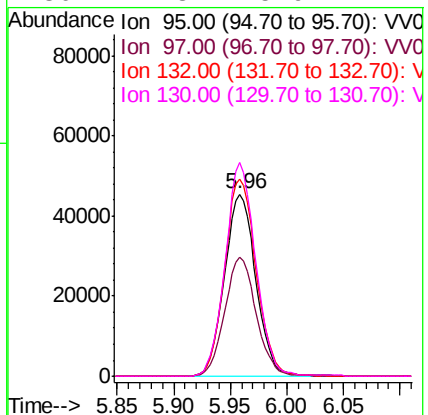
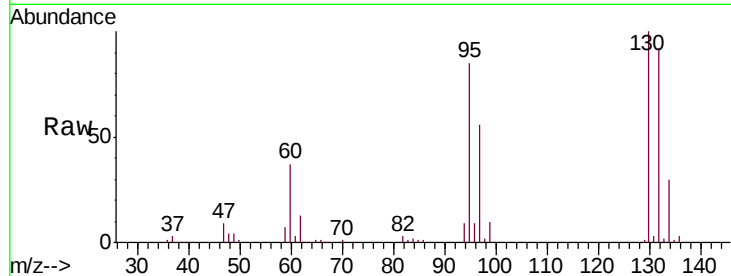




#34
 Trichloroethene
 Concen: 52.240 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012184.D
 Acq: 10 Aug 2019 05:45

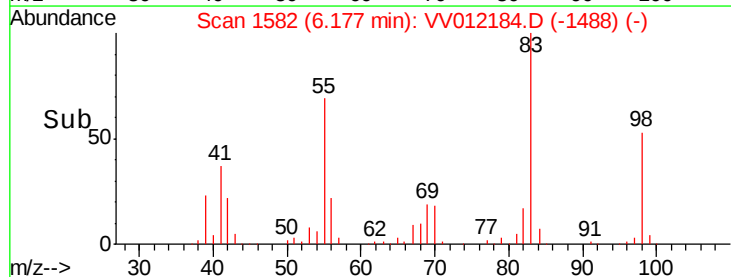
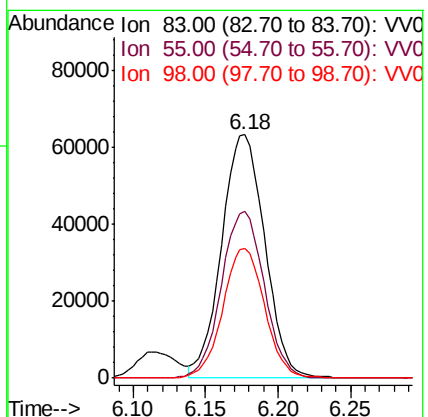
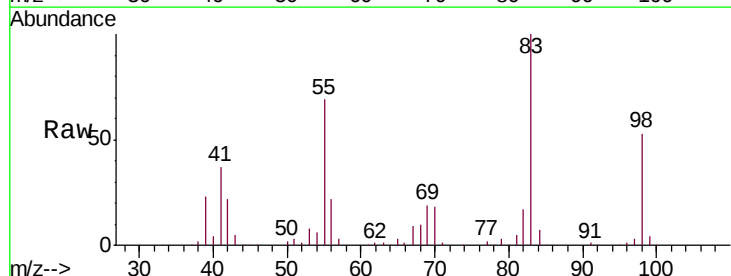
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

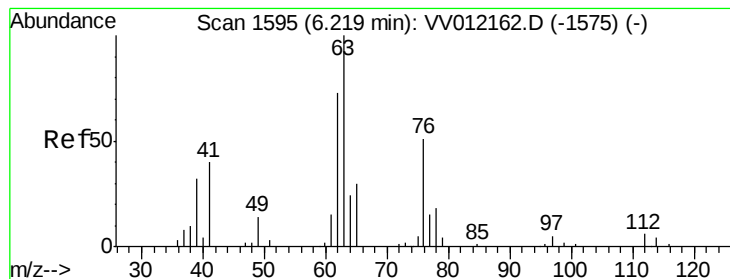
Tgt Ion: 95 Resp: 88234
 Ion Ratio Lower Upper
 95 100
 97 65.5 44.7 83.1
 132 108.3 72.7 134.9
 130 117.3 75.9 141.1



#35
 Methylcyclohexane
 Concen: 49.896 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012184.D
 Acq: 10 Aug 2019 05:45

Tgt Ion: 83 Resp: 131240
 Ion Ratio Lower Upper
 83 100
 55 67.8 54.9 82.3
 98 51.4 40.7 61.1





#37

1,2-Dichloropropane

Concen: 51.500 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

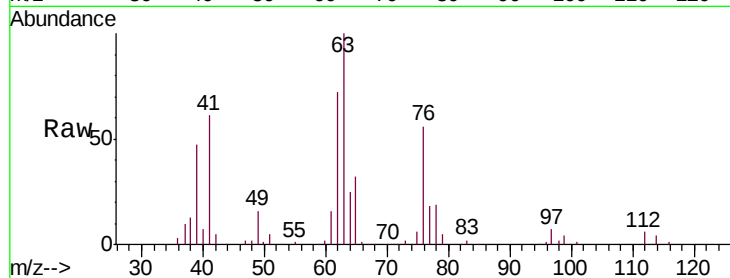
VSTD05072

Tgt Ion: 63 Resp: 76657

Ion Ratio Lower Upper

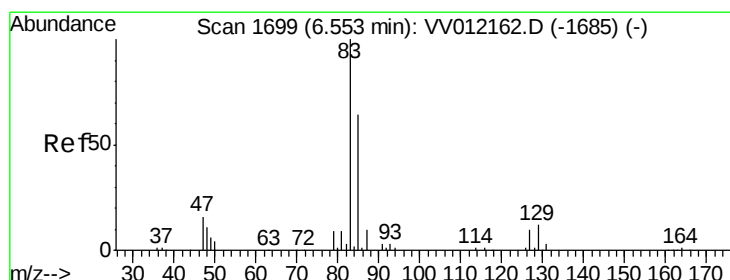
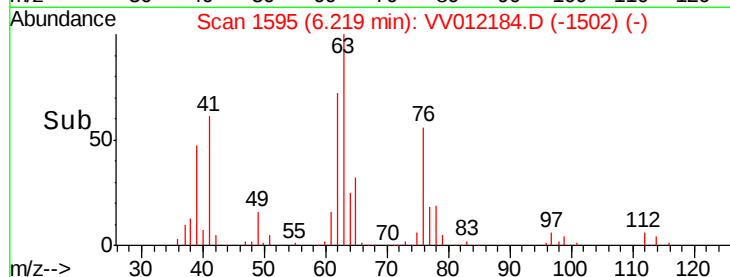
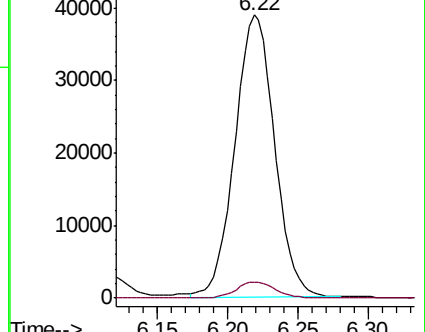
63 100

112 5.7 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VV012162.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV012162.D (-1575) (-)



#38

Bromodichloromethane

Concen: 54.687 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

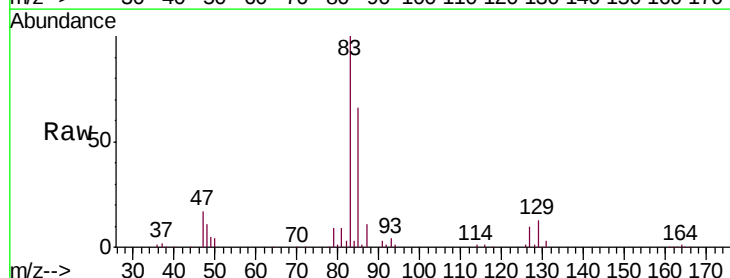
Tgt Ion: 83 Resp: 126132

Ion Ratio Lower Upper

83 100

85 65.8 45.5 84.5

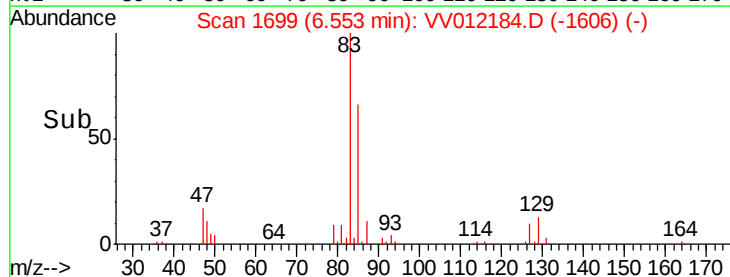
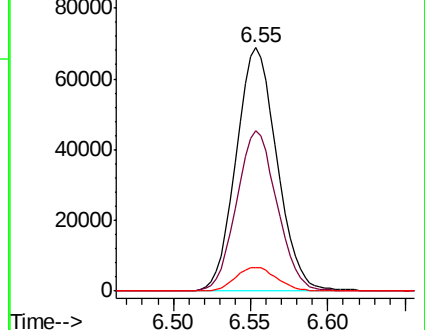
127 9.7 7.7 11.5

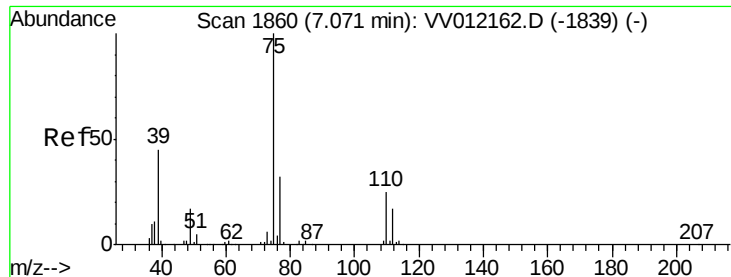


Abundance Ion 83.00 (82.70 to 83.70): VV012162.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV012162.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV012162.D (-1685) (-)





#39

cis-1,3-Dichloropropene

Concen: 49.420 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

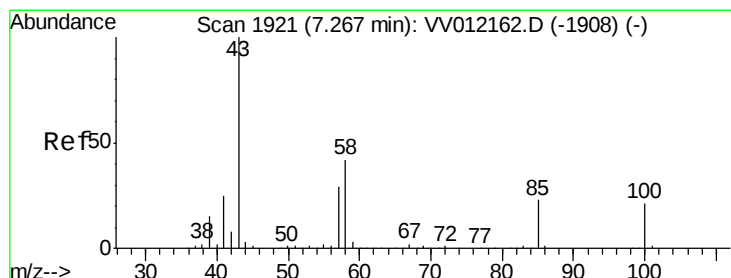
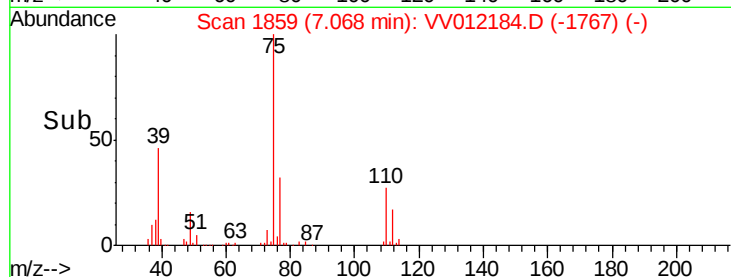
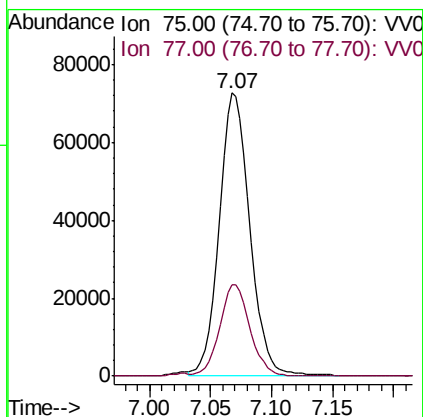
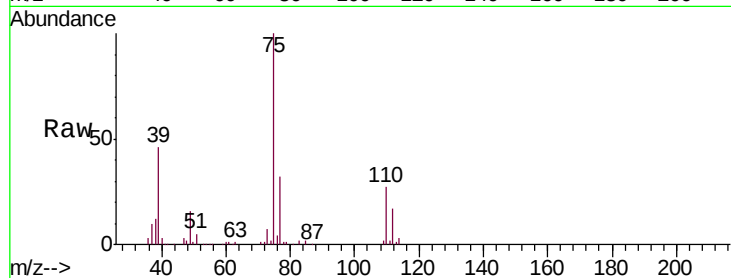
VSTD05072

Tgt Ion: 75 Resp: 126867

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 104.548 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

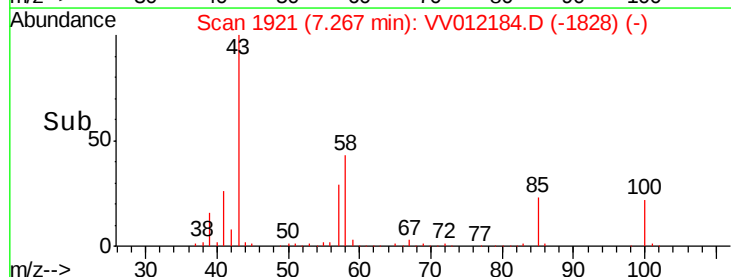
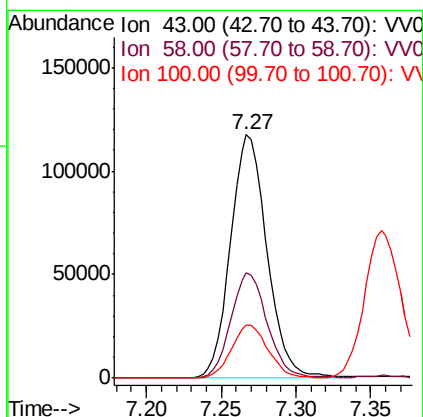
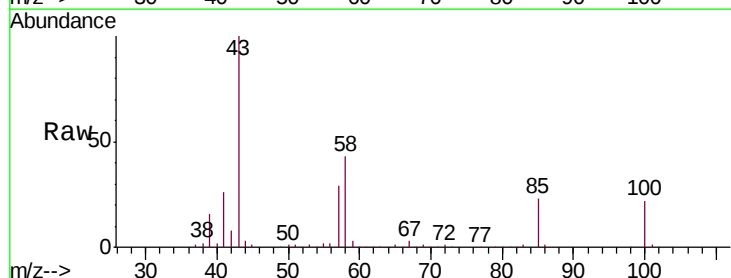
Tgt Ion: 43 Resp: 199921

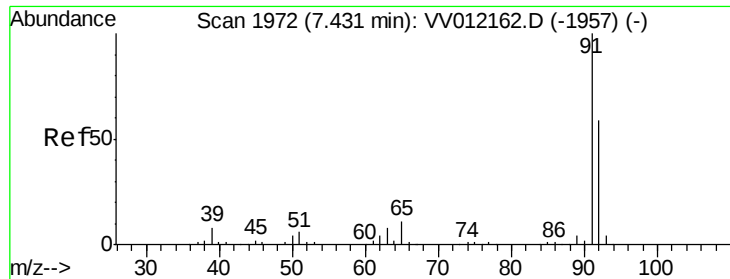
Ion Ratio Lower Upper

43 100

58 43.4 34.7 52.1

100 21.9 16.2 24.2





#42

Toluene

Concen: 53.793 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

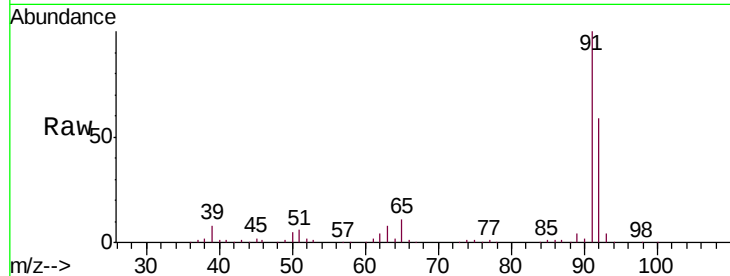
VSTD05072

Tgt Ion: 91 Resp: 368273

Ion Ratio Lower Upper

91 100

92 58.8 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV012162.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV012184.D (-1879) (-)

7.43

250000

200000

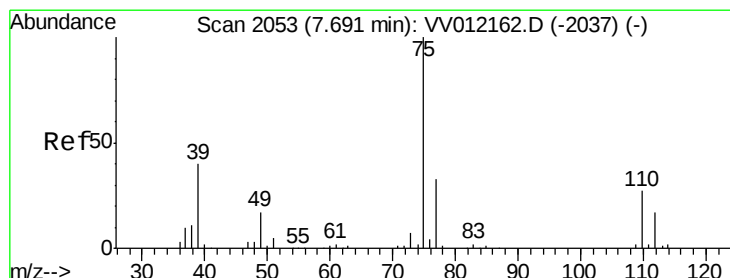
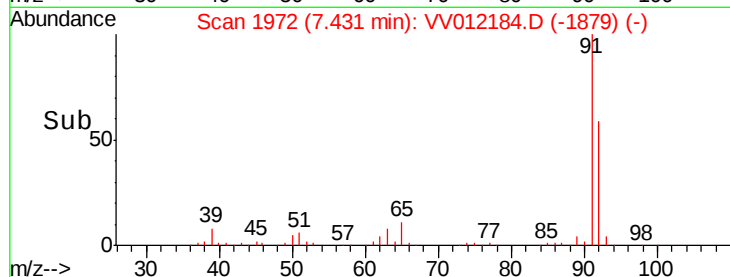
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.277 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012184.D

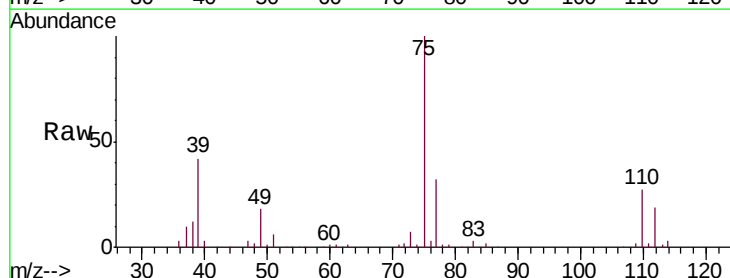
Acq: 10 Aug 2019 05:45

Tgt Ion: 75 Resp: 116554

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV012162.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV012184.D (-1960) (-)

7.69

80000

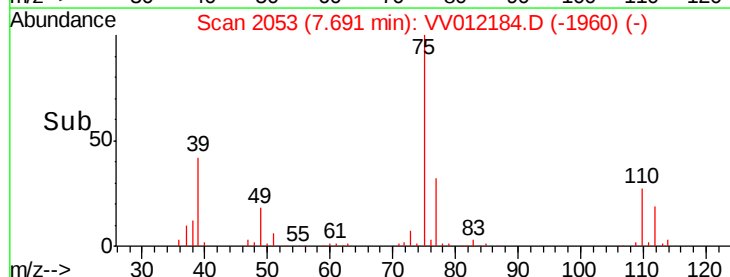
60000

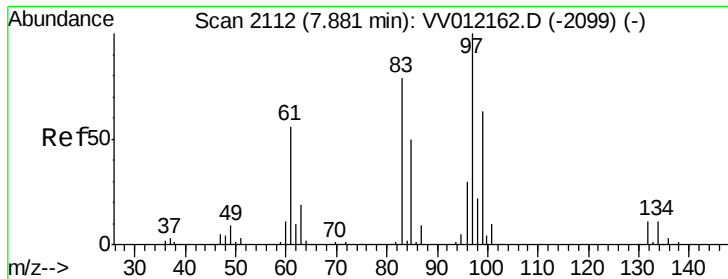
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.983 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

Tgt Ion: 97 Resp: 88940

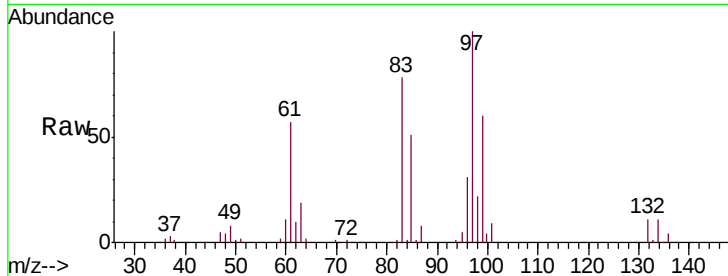
Ion Ratio Lower Upper

97 100

99 60.4 44.2 82.0

83 77.9 55.9 103.9

85 51.1 36.3 67.3

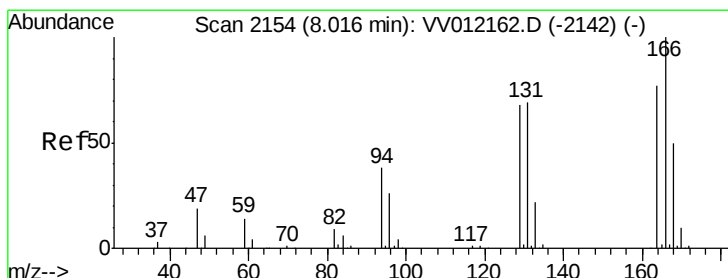
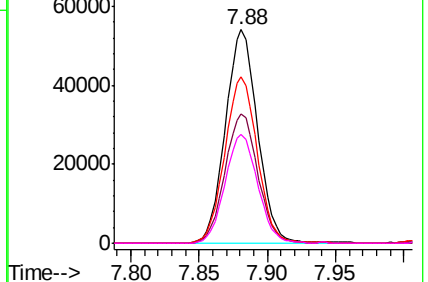
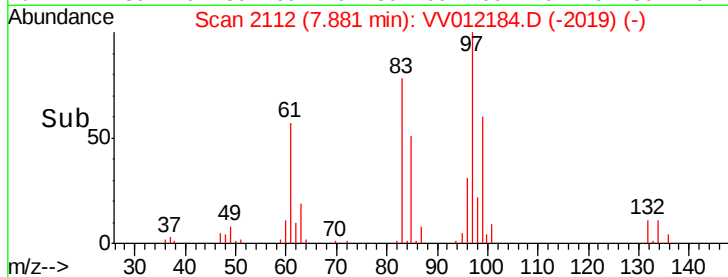


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 53.241 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Tgt Ion: 164 Resp: 85960

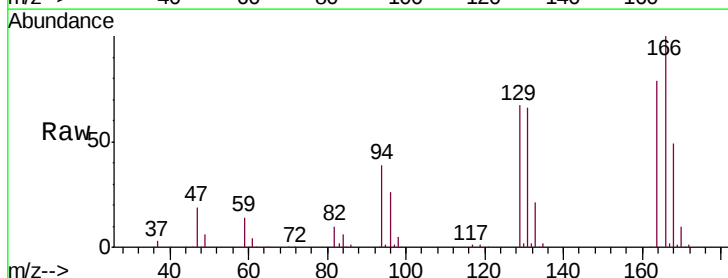
Ion Ratio Lower Upper

164 100

129 85.2 60.6 112.6

131 83.7 59.5 110.5

166 126.3 87.2 161.9

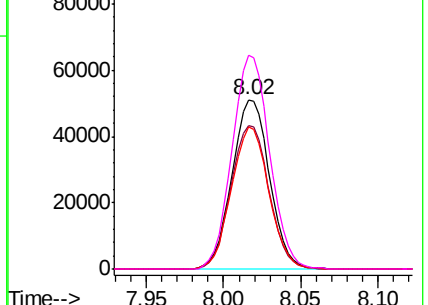
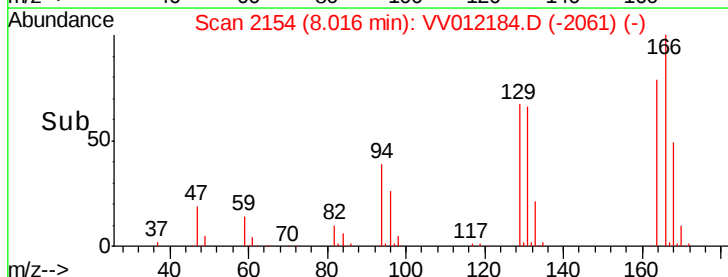


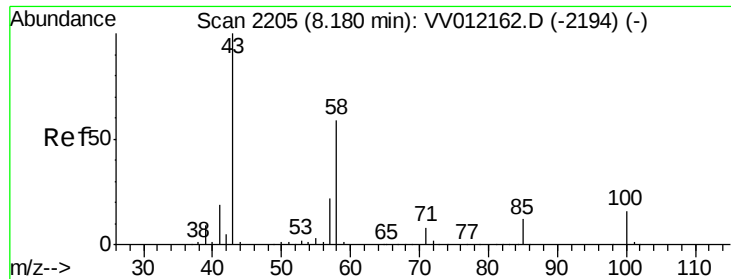
Abundance Ion 164.00 (163.70 to 164.70): V

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

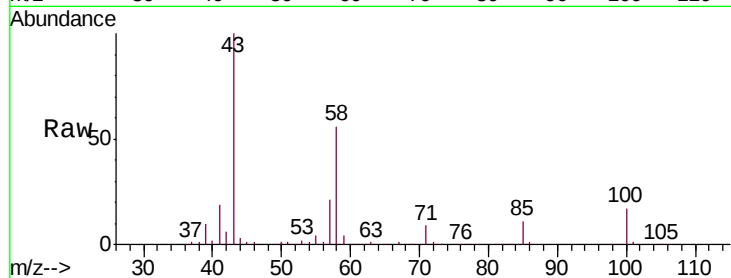




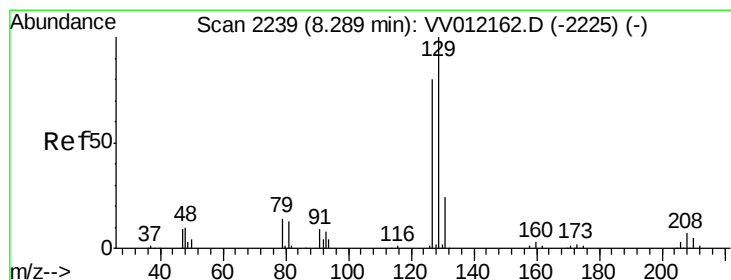
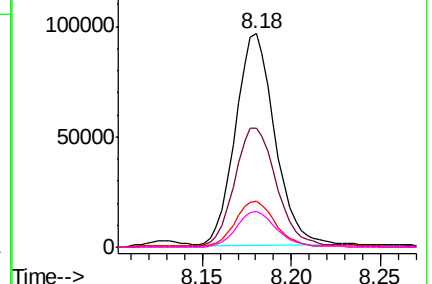
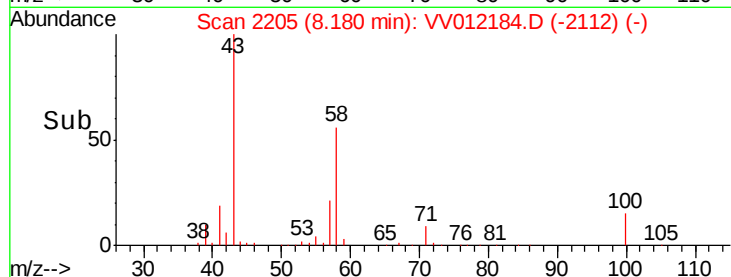
#48
2-Hexanone
Concen: 102.583 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

Tgt Ion: 43 Resp: 148247
Ion Ratio Lower Upper
43 100
58 59.0 47.4 71.0
57 21.9 16.8 25.2
100 17.4 13.2 19.8

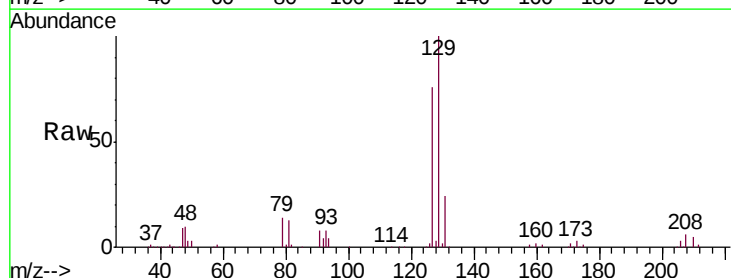


Abundance Ion 43.00 (42.70 to 43.70): VV012184.D (-2112) (-)
Ion 58.00 (57.70 to 58.70): VV012184.D (-2112) (-)
Ion 57.00 (56.70 to 57.70): VV012184.D (-2112) (-)
Ion 100.00 (99.70 to 100.70): VV012184.D (-2112) (-)

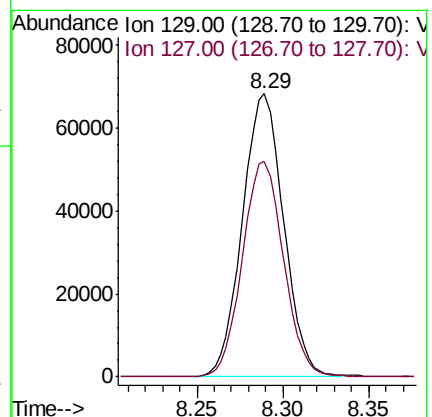
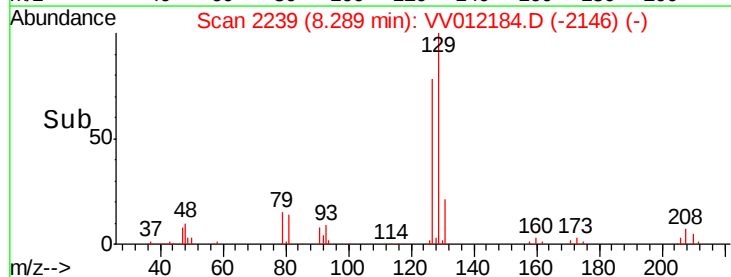


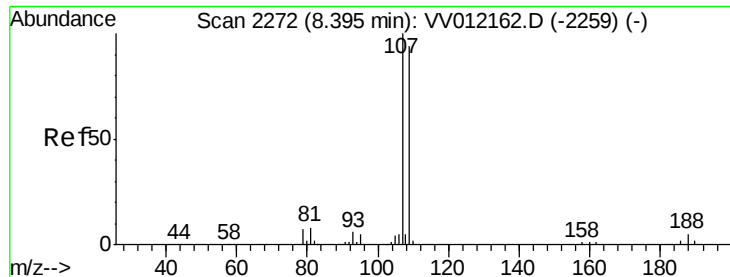
#49
Dibromochloromethane
Concen: 54.690 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

Tgt Ion: 129 Resp: 114051
Ion Ratio Lower Upper
129 100
127 76.0 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): VV012184.D (-2146) (-)
Ion 127.00 (126.70 to 127.70): VV012184.D (-2146) (-)

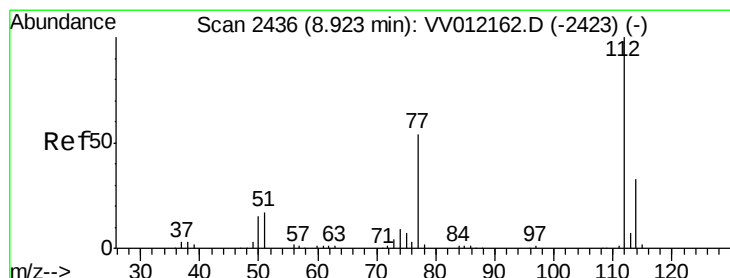
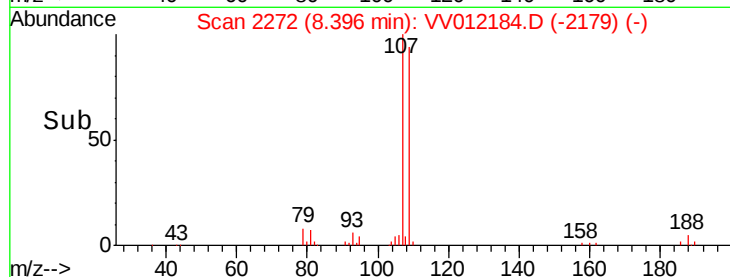
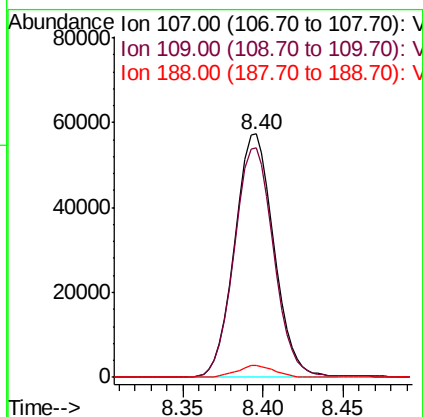
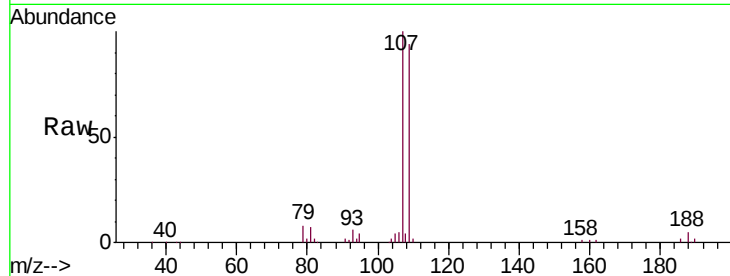




#50
1,2-Dibromoethane
Concen: 53.165 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

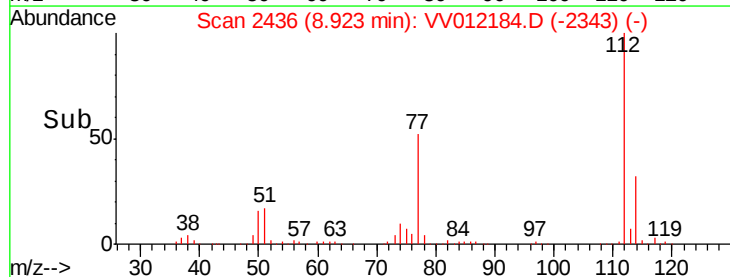
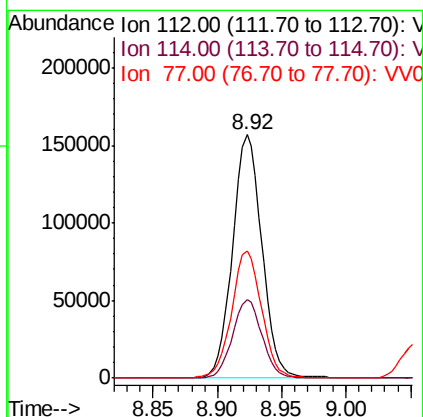
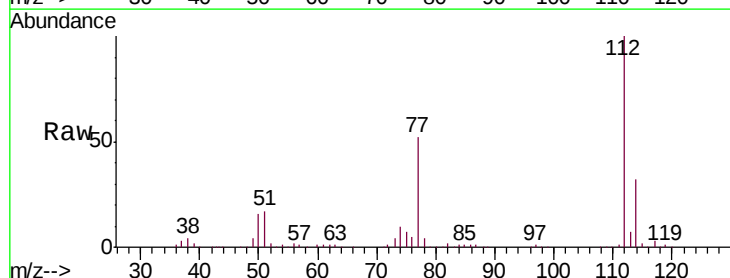
Instrument :
MSVOA_V
ClientSampleId :
VSTD05072

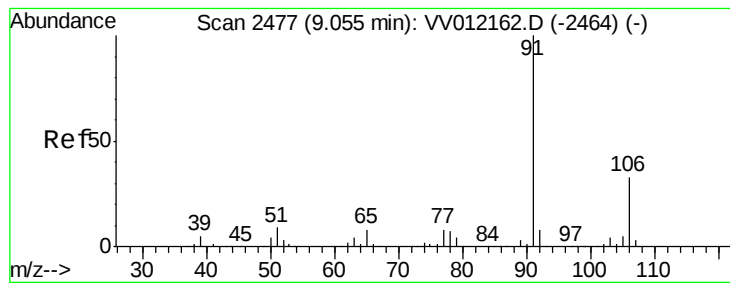
Tgt Ion:107 Resp: 95716
Ion Ratio Lower Upper
107 100
109 94.3 66.8 124.0
188 5.0 3.5 5.3



#51
Chlorobenzene
Concen: 53.098 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012184.D
Acq: 10 Aug 2019 05:45

Tgt Ion:112 Resp: 248437
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 52.0 41.5 62.3





#52

Ethylbenzene

Concen: 53.522 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

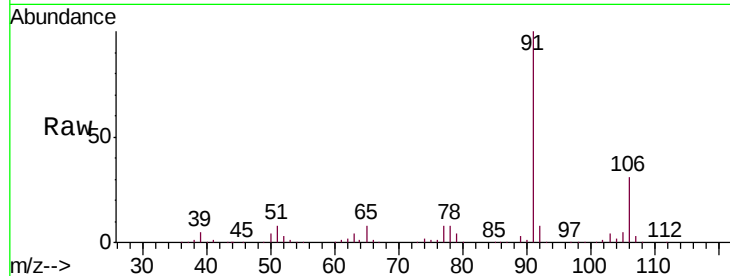
VSTD05072

Tgt Ion: 91 Resp: 409077

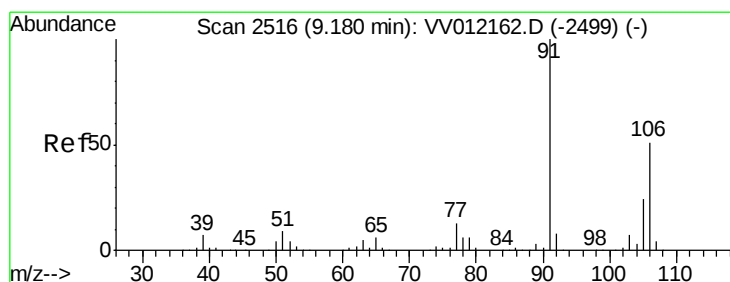
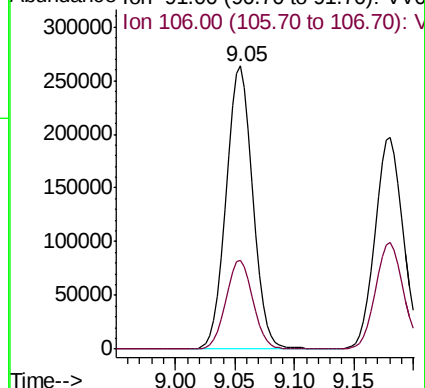
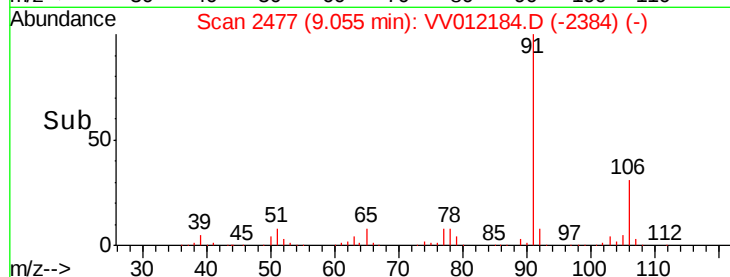
Ion Ratio Lower Upper

91 100

106 31.3 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VV012184.D (-2384) (-)



#53

m,p-Xylene

Concen: 53.474 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012184.D

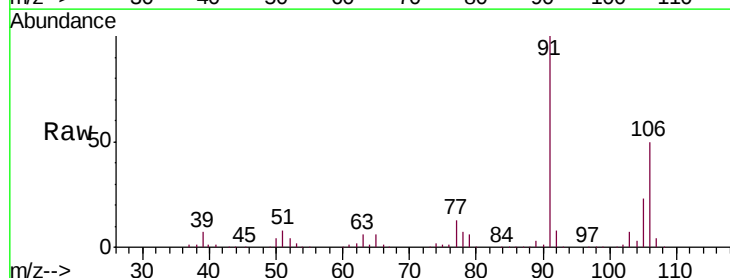
Acq: 10 Aug 2019 05:45

Tgt Ion: 106 Resp: 161050

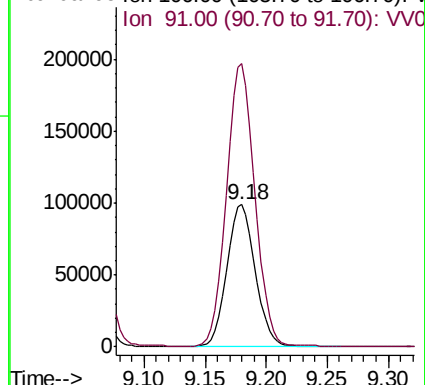
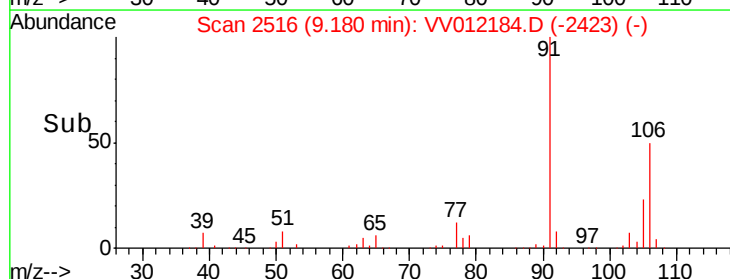
Ion Ratio Lower Upper

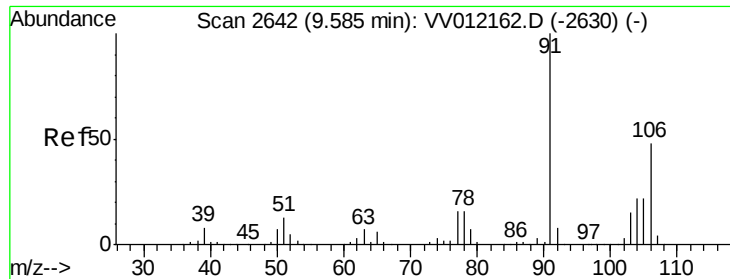
106 100

91 198.6 140.6 261.2



Abundance Ion 106.00 (105.70 to 106.70): VV012184.D (-2423) (-)





#54

o-xylene

Concen: 53.286 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

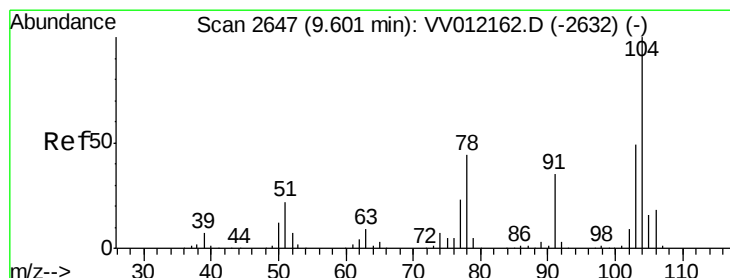
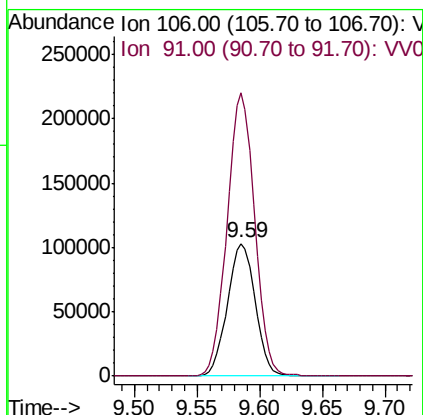
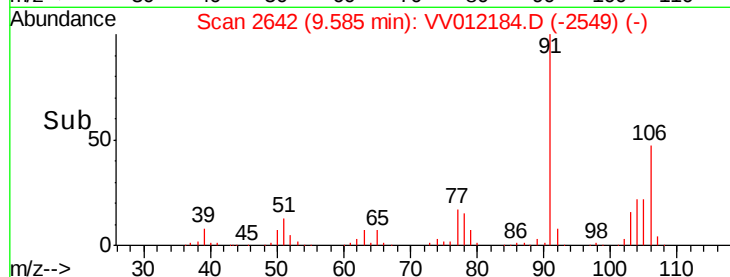
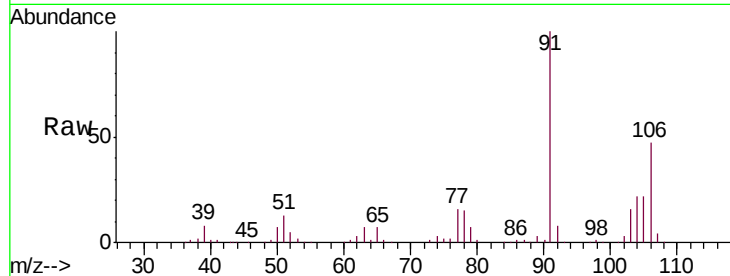
VSTD05072

Tgt Ion:106 Resp: 159085

Ion Ratio Lower Upper

106 100

91 213.1 146.3 271.7



#55

Styrene

Concen: 54.279 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012184.D

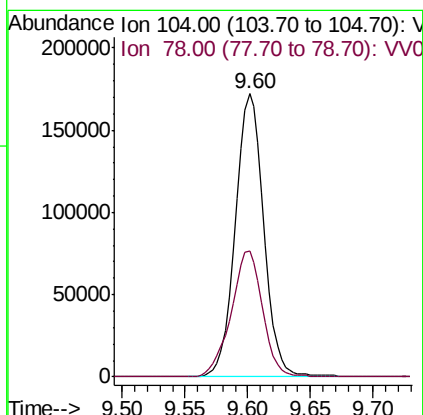
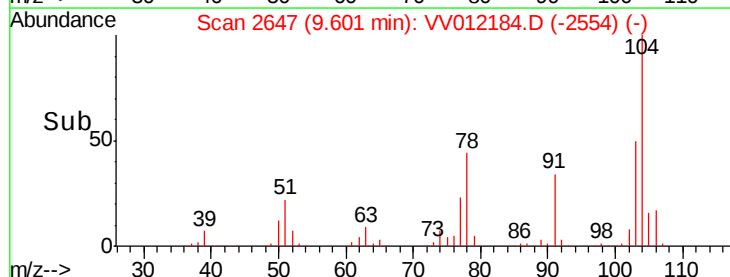
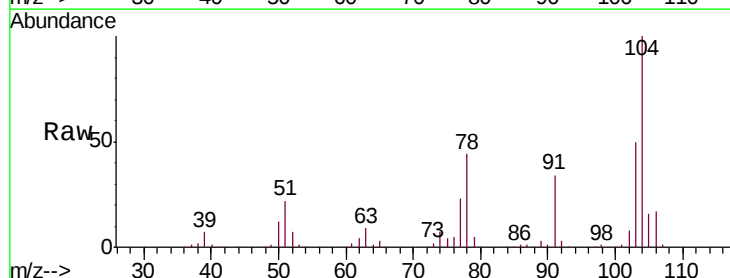
Acq: 10 Aug 2019 05:45

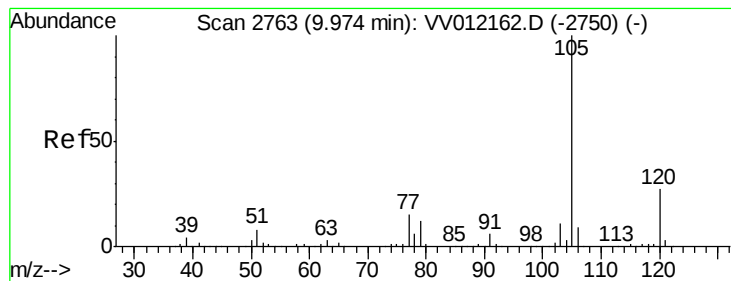
Tgt Ion:104 Resp: 270899

Ion Ratio Lower Upper

104 100

78 44.5 30.7 56.9





#56

Isopropylbenzene

Concen: 53.349 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

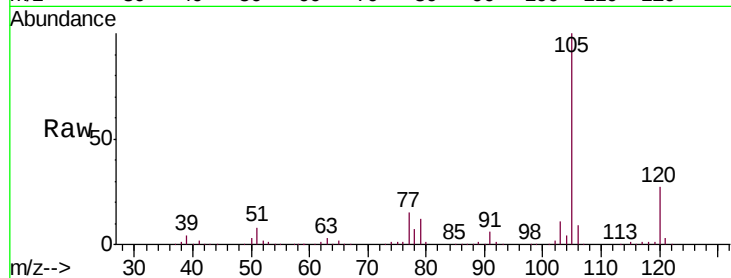
Tgt Ion: 105 Resp: 420543

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

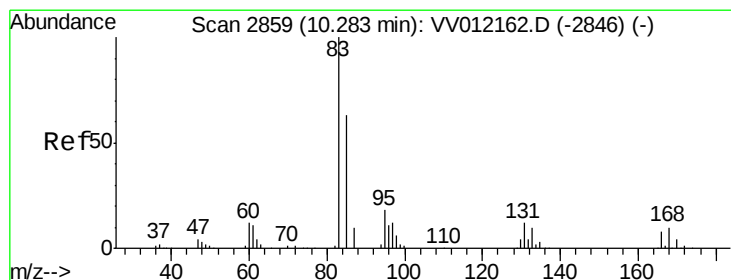
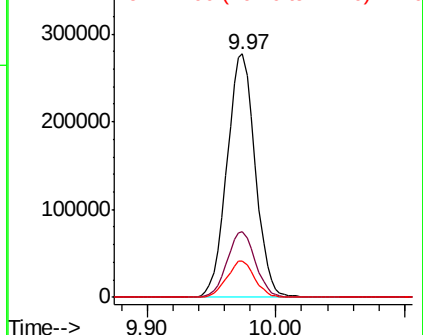
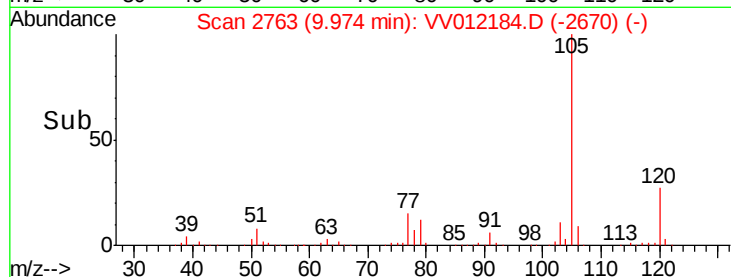
77 14.8 11.4 17.0



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



#58

1,1,2,2-Tetrachloroethane

Concen: 52.993 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

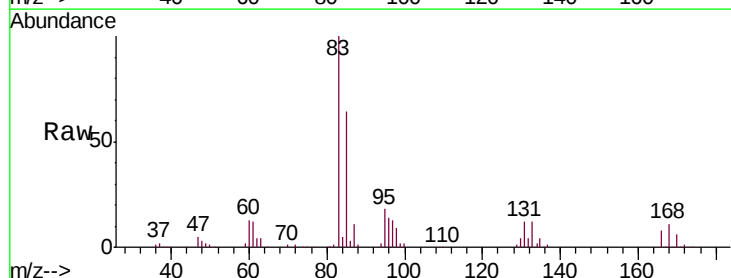
Tgt Ion: 83 Resp: 133757

Ion Ratio Lower Upper

83 100

85 64.4 46.3 85.9

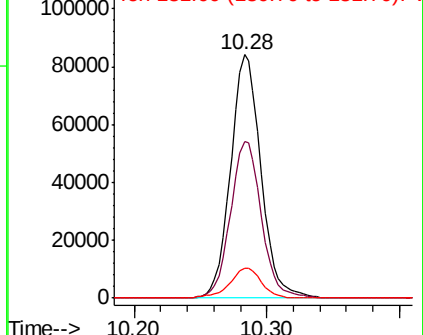
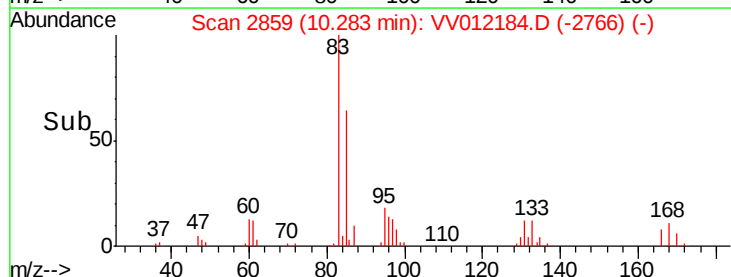
131 12.4 9.8 14.6

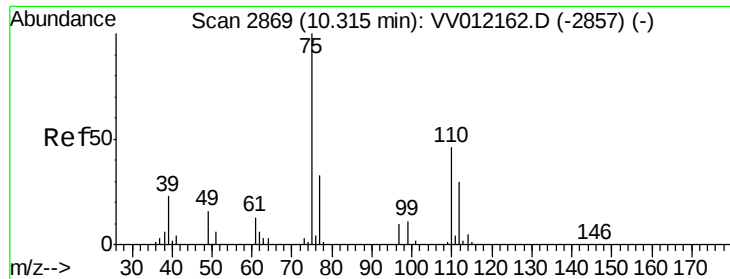


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.568 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

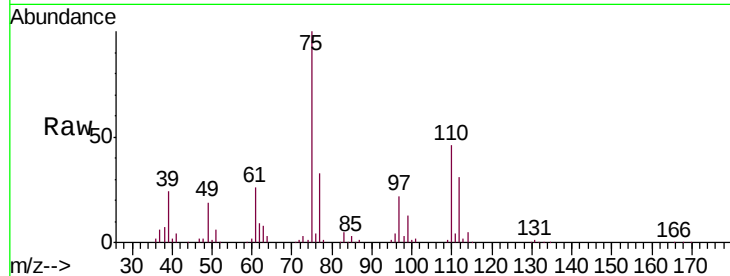
VSTD05072

Tgt Ion: 75 Resp: 107585

Ion Ratio Lower Upper

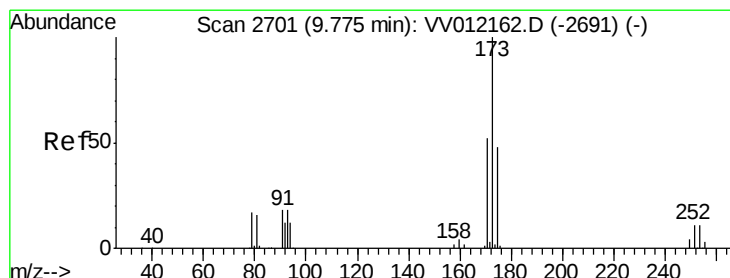
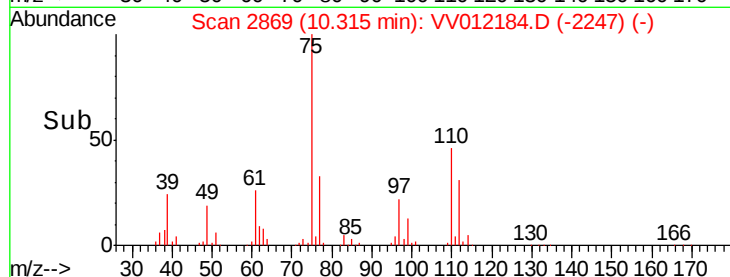
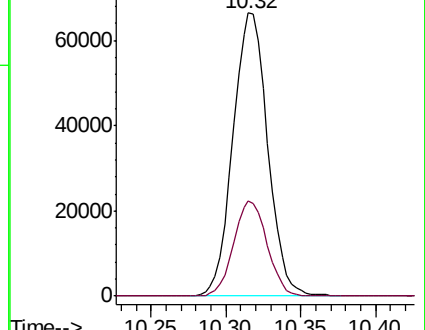
75 100

77 32.3 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV012162.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012162.D (-2857) (-)



#61

Bromoform

Concen: 55.217 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

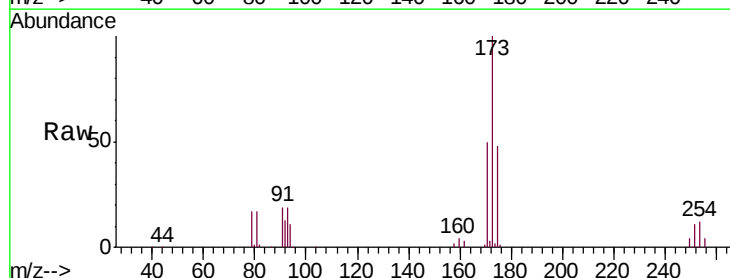
Tgt Ion: 173 Resp: 90497

Ion Ratio Lower Upper

173 100

175 49.3 38.1 57.1

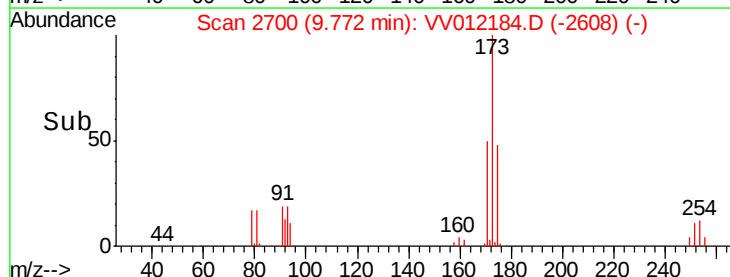
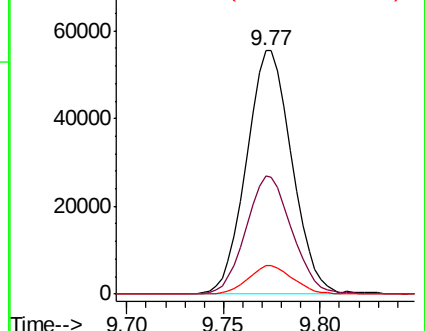
254 11.4 8.5 12.7

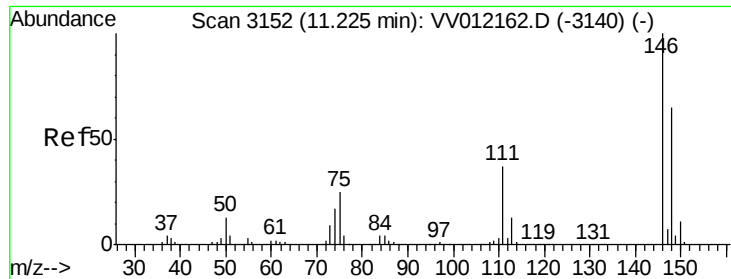


Abundance Ion 173.00 (172.70 to 173.70): VV012162.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV012162.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV012162.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 52.902 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

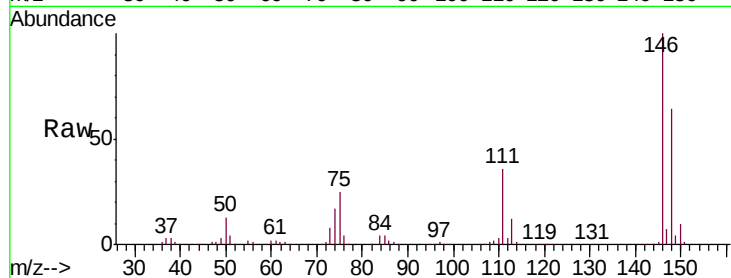
Tgt Ion:146 Resp: 205016

Ion Ratio Lower Upper

146 100

111 36.2 26.3 48.9

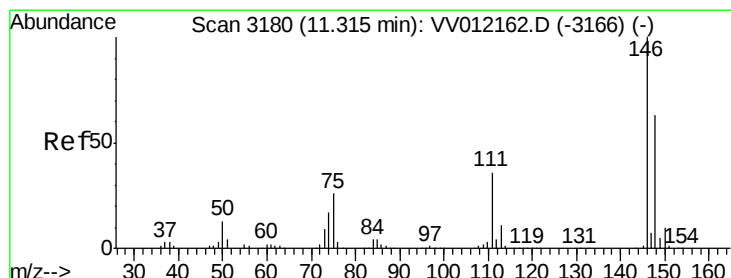
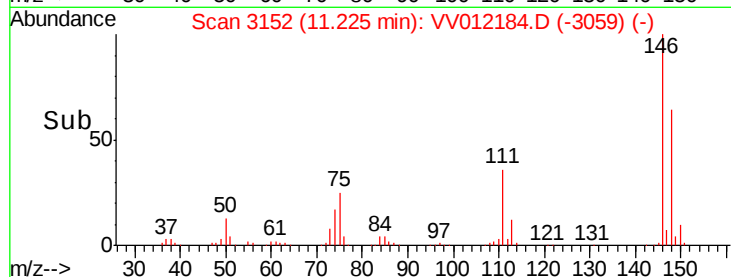
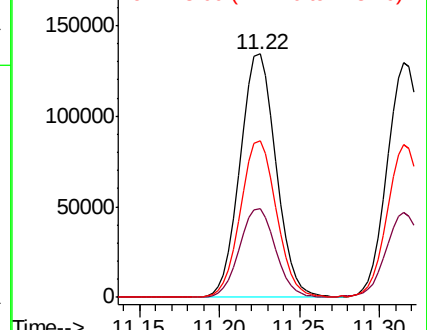
148 64.5 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 52.920 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

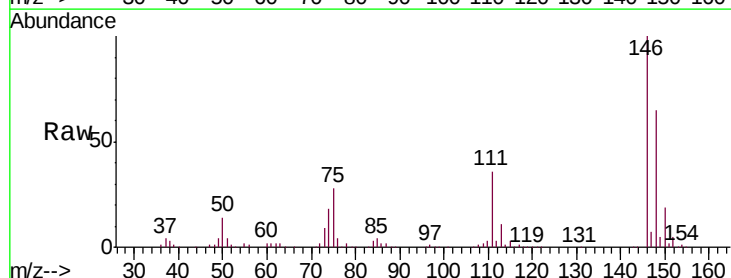
Tgt Ion:146 Resp: 204216

Ion Ratio Lower Upper

146 100

111 36.1 24.8 46.1

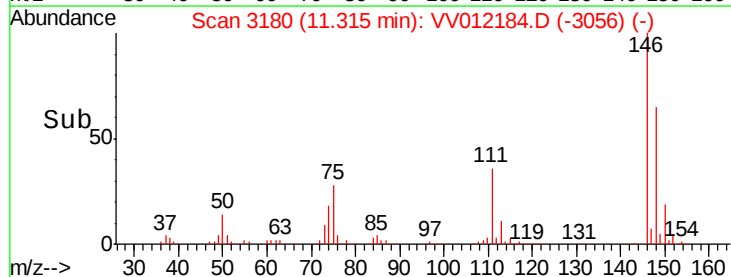
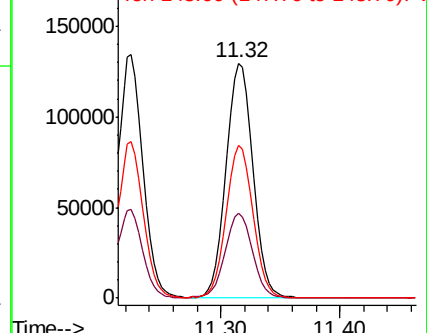
148 65.2 45.6 84.6

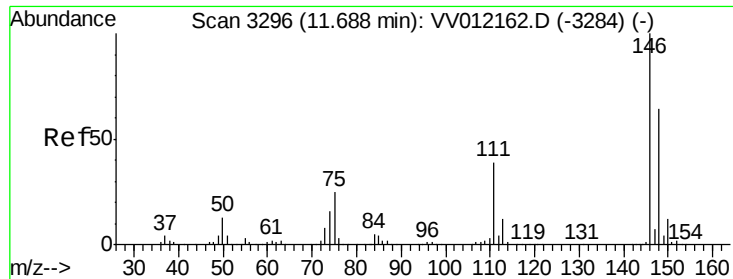


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 53.703 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

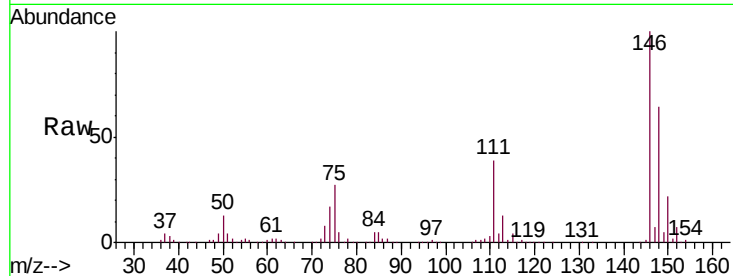
Tgt Ion: 146 Resp: 210230

Ion Ratio Lower Upper

146 100

111 38.9 31.2 46.8

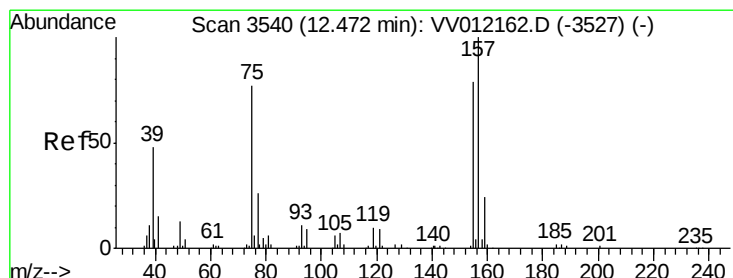
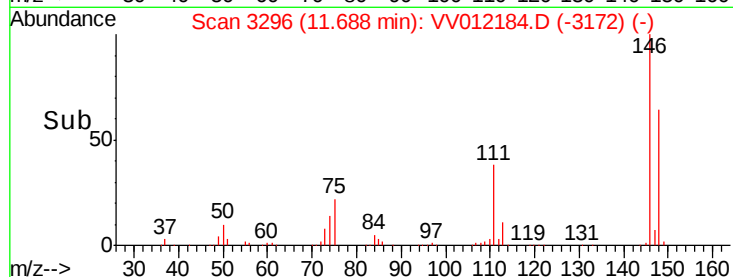
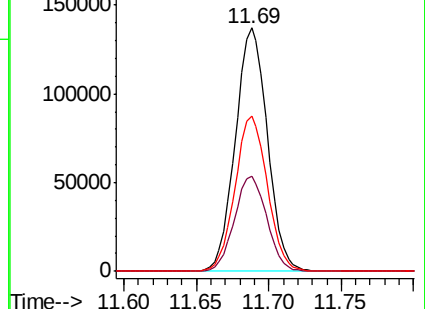
148 63.8 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 53.705 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

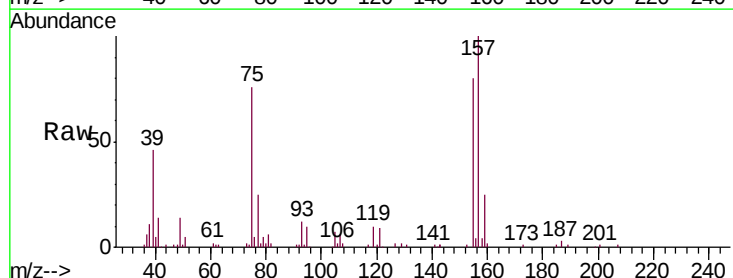
Tgt Ion: 75 Resp: 32582

Ion Ratio Lower Upper

75 100

155 104.1 85.7 128.5

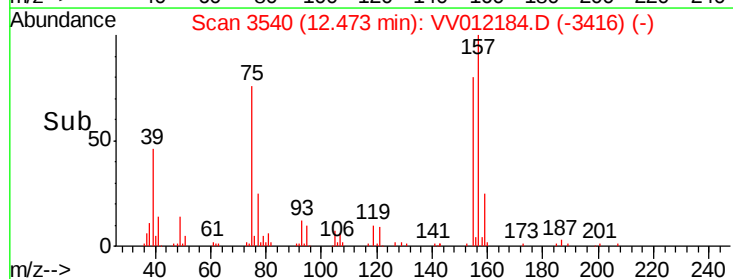
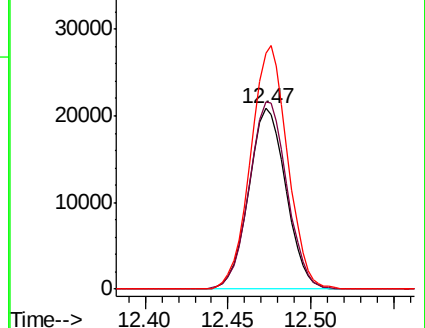
157 130.8 106.5 159.7

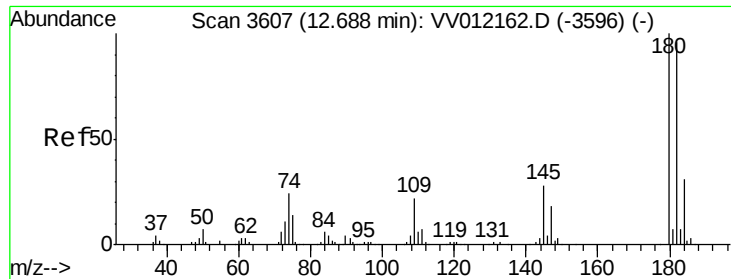


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

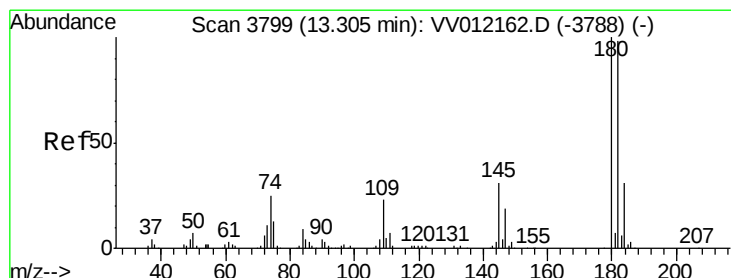
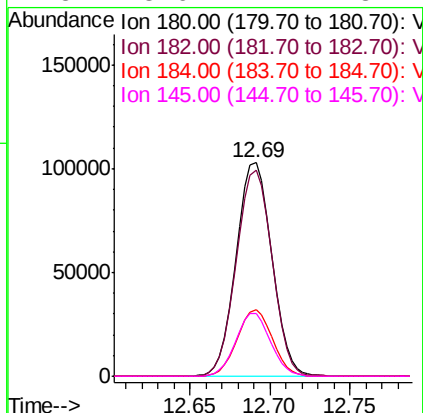
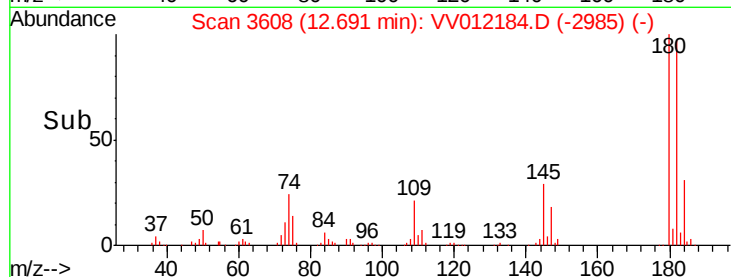
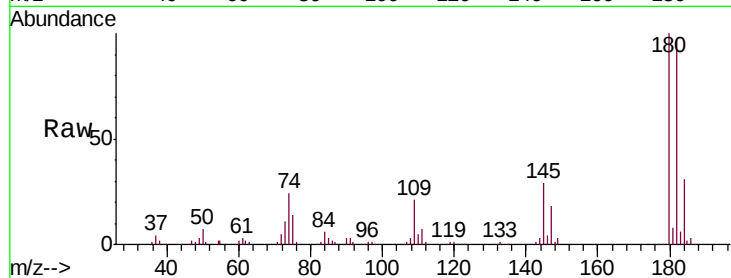




#67
 1,3,5-Trichlorobenzene
 Concen: 51.349 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012184.D
 Acq: 10 Aug 2019 05:45

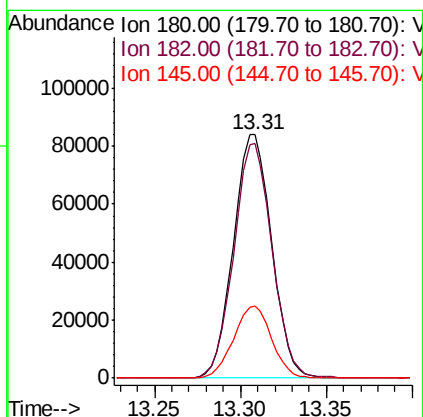
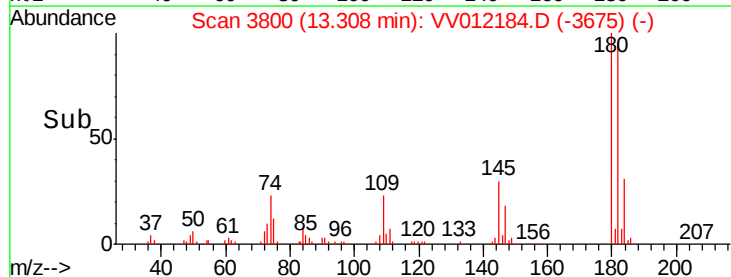
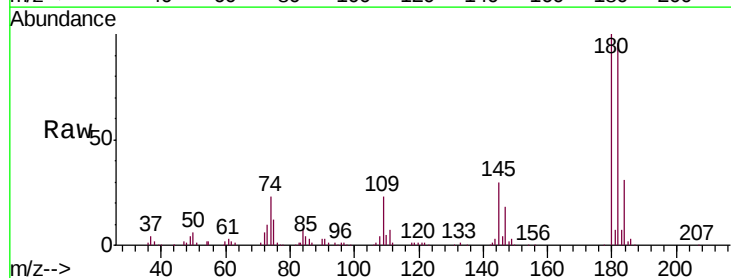
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

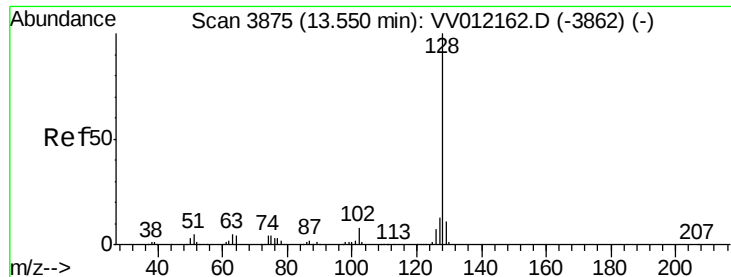
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.8	116.6
184	30.7	24.9	37.3
145	28.6	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 51.337 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012184.D
 Acq: 10 Aug 2019 05:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.3	112.9
145	29.4	23.0	34.4





#69

Naphthalene

Concen: 53.735 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05072

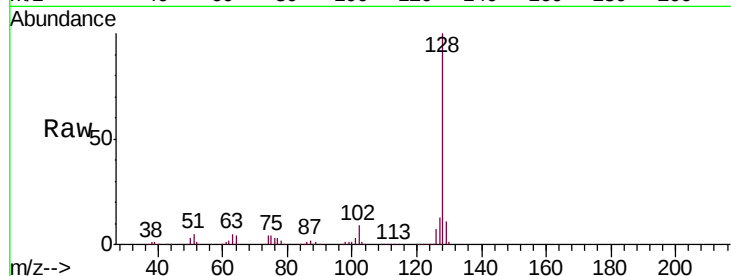
Tgt Ion:128 Resp: 379849

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

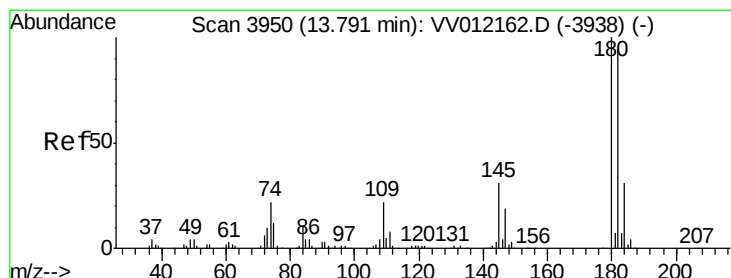
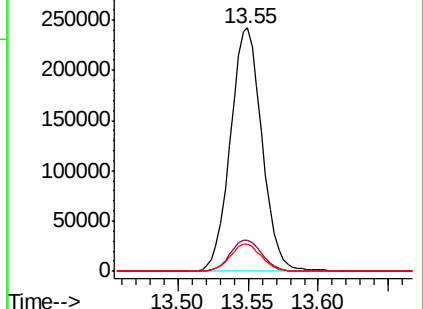
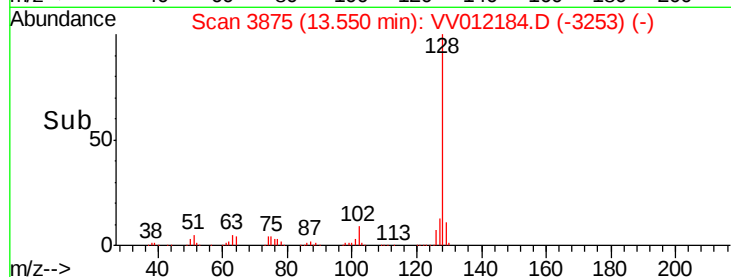
129 11.1 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 53.238 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012184.D

Acq: 10 Aug 2019 05:45

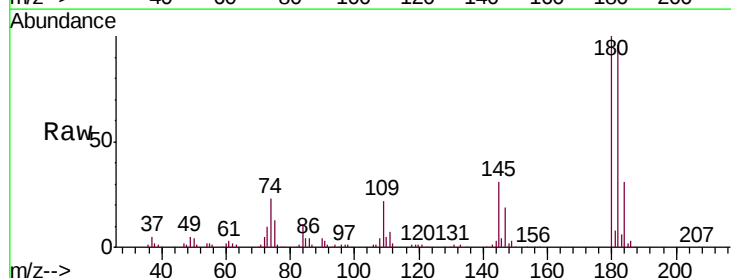
Tgt Ion:180 Resp: 141543

Ion Ratio Lower Upper

180 100

182 96.3 77.3 115.9

145 31.0 24.9 37.3



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

