

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019345.D
 Acq On : 12 Nov 2020 11:22
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Nov 12 12:37:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	195851	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	192187	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	110542	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7194	4.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	6021	4.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	14707	4.94	ug/L	0.00
21) 2-Butanone-d5	3.94	46	4869	5.32	ug/L	0.02
24) Chloroform-d	4.38	84	13553	4.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9532	4.73	ug/L	0.00
32) Benzene-d6	5.08	84	23559	4.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	6409	4.04	ug/L	0.00
41) Toluene-d8	7.34	98	22610	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3975	4.29	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	3405	5.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	8327	3.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	10565	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8222	4.806	ug/L 97
3) Chloromethane	1.25	50	6809	4.336	ug/L 97
5) Vinyl chloride	1.32	62	7500	4.660	ug/L 100
6) Bromomethane	1.53	94	5518	5.021	ug/L 94
8) Chloroethane	1.60	64	4624	4.584	ug/L 96
9) Trichlorofluoromethane	1.77	101	13560	4.972	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6097	4.690	ug/L 95
12) 1,1-Dichloroethene	2.14	96	6222	4.855	ug/L 95
13) Acetone	2.20	43	6646	7.772	ug/L 68
14) Carbon disulfide	2.31	76	16725	4.214	ug/L 99
15) Methyl Acetate	2.45	43	4474	3.238	ug/L 100
16) Methylene chloride	2.53	84	6194	4.331	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	5520	4.086	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	17333	3.841	ug/L 99
19) 1,1-Dichloroethane	3.21	63	9883	3.980	ug/L 97
20) cis-1,2-Dichloroethene	3.95	96	5772	3.909	ug/L 94
23) Bromochloromethane	4.28	128	3351	4.153	ug/L 96
25) Chloroform	4.41	83	11762	4.310	ug/L 92
27) 1,2-Dichloroethane	5.16	62	9457	4.051	ug/L 99
29) Cyclohexane	4.70	56	7211	3.495	ug/L # 54
30) 1,1,1-Trichloroethane	4.63	97	11862	4.536	ug/L 99
31) Carbon tetrachloride	4.86	117	10320	4.430	ug/L 99
33) Benzene	5.13	78	21644	3.942	ug/L 100
34) Trichloroethene	5.94	95	7307	4.798	ug/L 89
35) Methylcyclohexane	6.15	83	8383	4.180	ug/L 98
37) 1,2-Dichloropropane	6.20	63	5418	4.003	ug/L 99
38) Bromodichloromethane	6.54	83	8610	4.194	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	8408	3.721	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	12451	6.793	ug/L 97
42) Toluene	7.41	91	23404	3.887	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111220\
 Data File : VV019345.D
 Acq On : 12 Nov 2020 11:22
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

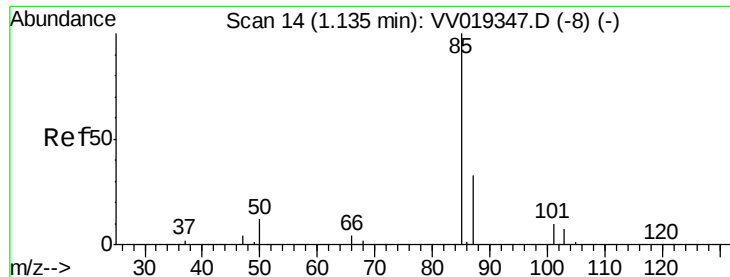
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Nov 12 12:37:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 12:30:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.68	75	8237	3.484	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	5756	4.154	ug/L	94
46) Tetrachloroethene	8.00	164	5982	4.573	ug/L	99
48) 2-Hexanone	8.17	43	9836	6.715	ug/L #	93
49) Dibromochloromethane	8.27	129	6920	4.084	ug/L	100
50) 1,2-Dibromoethane	8.38	107	6116	4.129	ug/L	91
51) Chlorobenzene	8.90	112	16939	4.254	ug/L	96
52) Ethylbenzene	9.04	91	25613	3.842	ug/L	94
53) m,p-Xylene	9.16	106	10044	3.992	ug/L	92
54) o-xylene	9.57	106	9304	3.832	ug/L	99
55) Styrene	9.58	104	15738	3.664	ug/L	96
56) Isopropylbenzene	9.95	105	25763	3.960	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	6977	3.372	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	7380	4.119	ug/L	99
61) Bromoform	9.75	173	5415	3.970	ug/L #	93
62) 1,3-Dichlorobenzene	11.20	146	14165	4.105	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	15528	4.341	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	14480	4.219	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1813	3.153	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	11191	4.388	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	8970	3.775	ug/L	98
69) Naphthalene	13.53	128	17549	2.728	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	9100	3.888	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.806 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

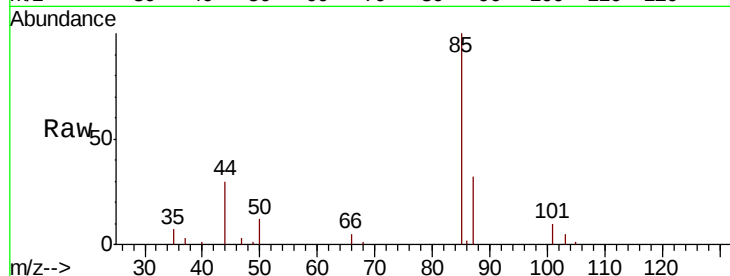
VSTD00563

Tot Ion: 85 Resp: 8222

Ion Ratio Lower Upper

85 100

87 31.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

10000

8000

6000

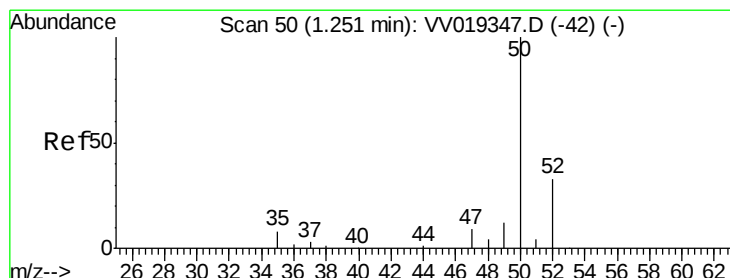
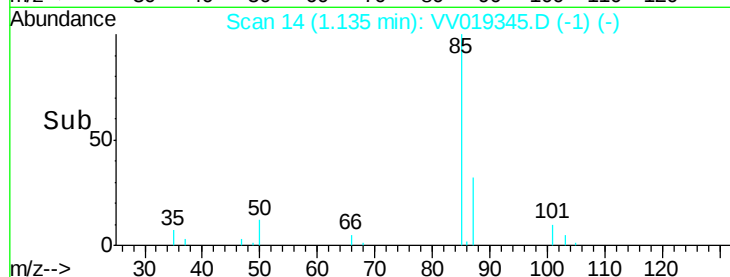
4000

2000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 4.336 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019345.D

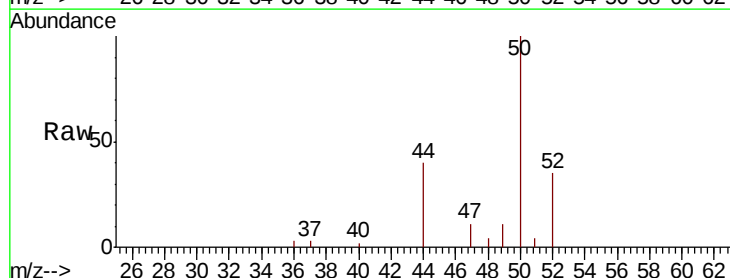
Acq: 12 Nov 2020 11:22

Tgt Ion: 50 Resp: 6809

Ion Ratio Lower Upper

50 100

52 34.7 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

8000

6000

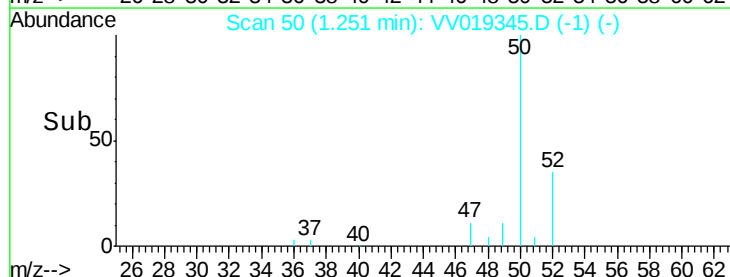
4000

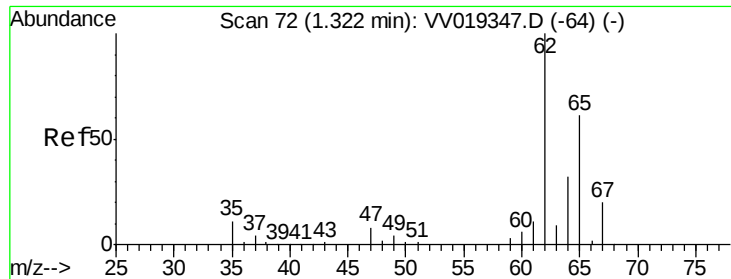
2000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 4.660 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

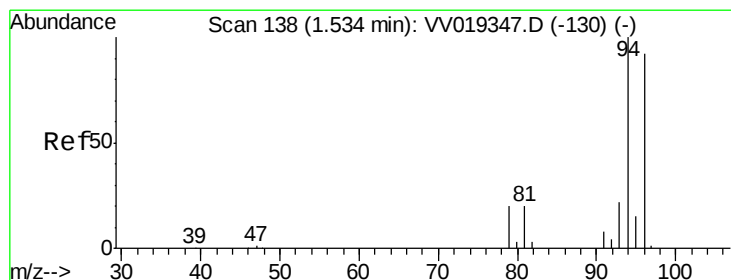
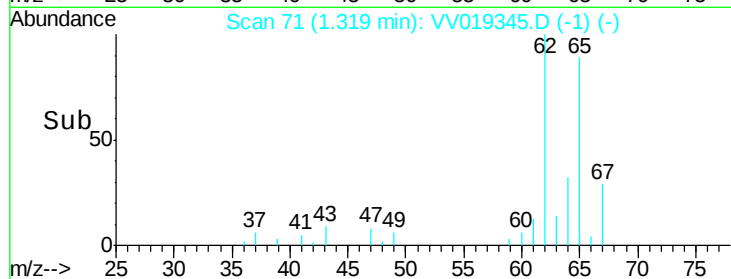
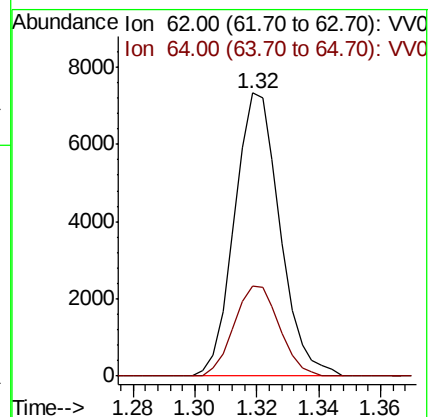
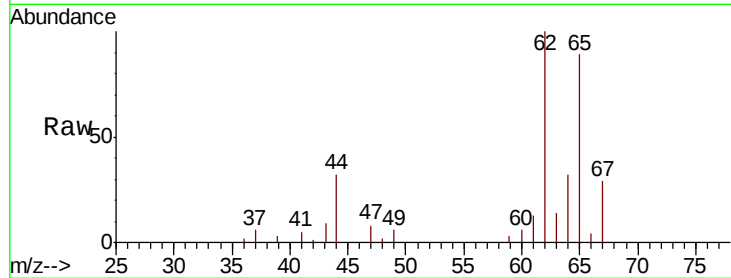
VSTD00563

Tot Ion: 62 Resp: 7500

Ion Ratio Lower Upper

62 100

64 32.0 22.3 41.5



#6

Bromomethane

Concen: 5.021 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019345.D

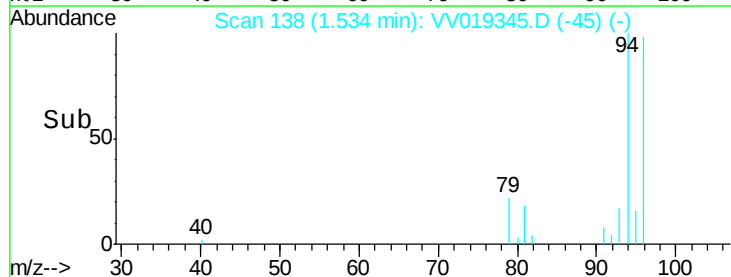
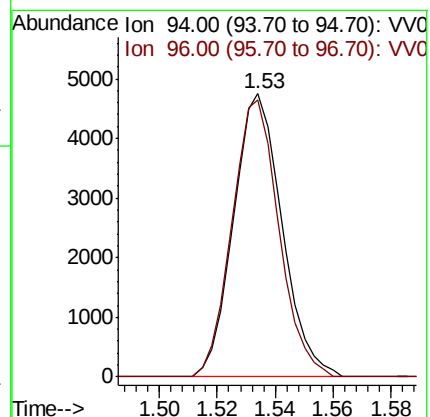
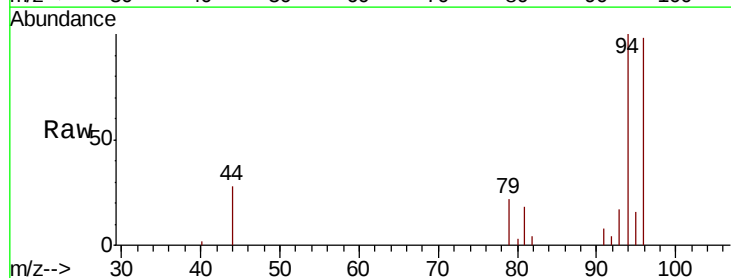
Acq: 12 Nov 2020 11:22

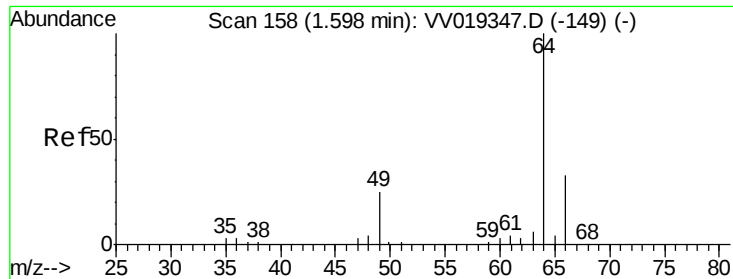
Tgt Ion: 94 Resp: 5518

Ion Ratio Lower Upper

94 100

96 97.8 64.7 120.1





#8

Chloroethane

Concen: 4.584 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

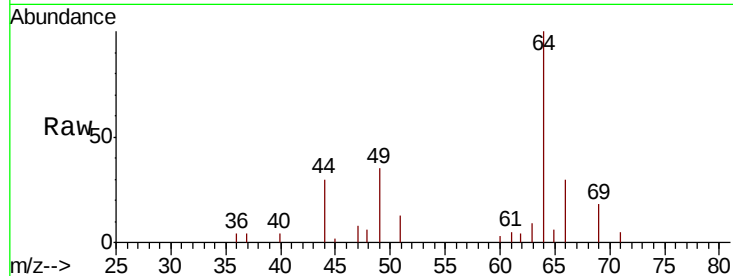
VSTD00563

Tot Ion: 64 Resp: 4624

Ion Ratio Lower Upper

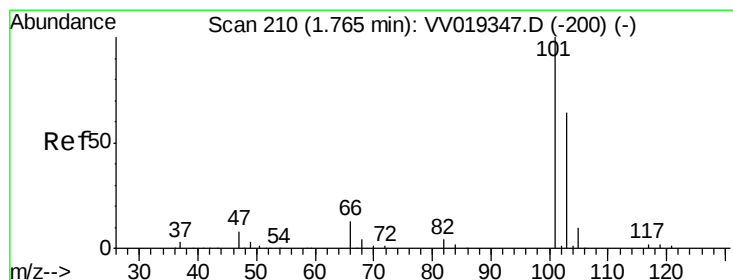
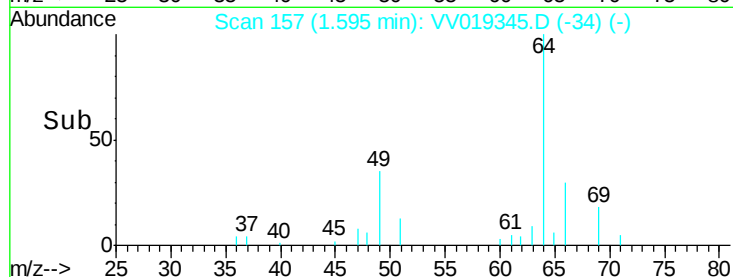
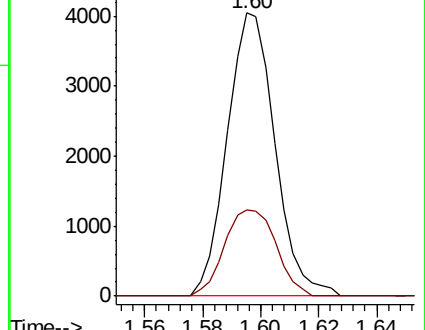
64 100

66 30.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV019347.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV019347.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.972 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019345.D

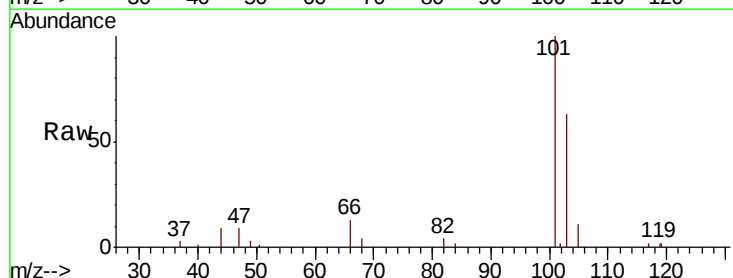
Acq: 12 Nov 2020 11:22

Tgt Ion: 101 Resp: 13560

Ion Ratio Lower Upper

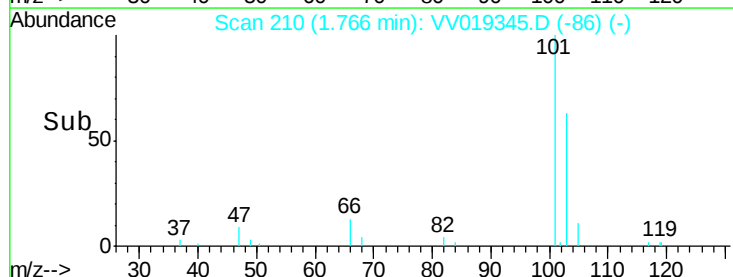
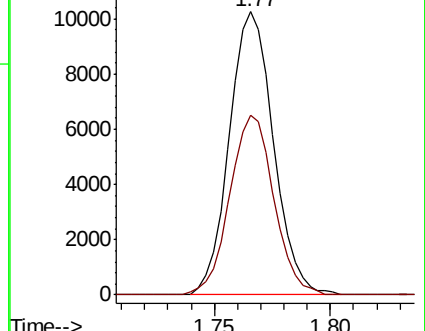
101 100

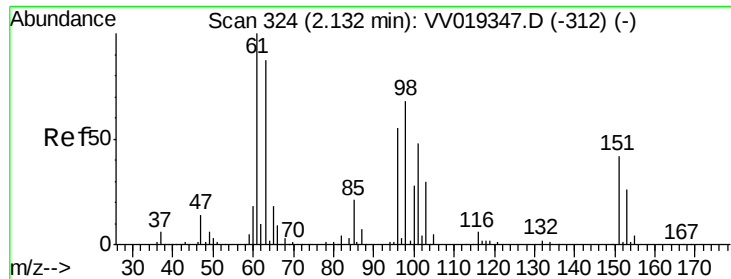
103 63.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV019347.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV019347.D (-200) (-)





#10

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

Concen: 4.690 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

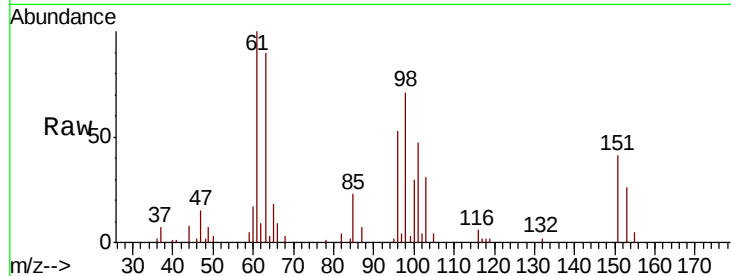
Tot Ion:101 Resp: 6097

Ion Ratio Lower Upper

101 100

85 47.1 35.8 53.6

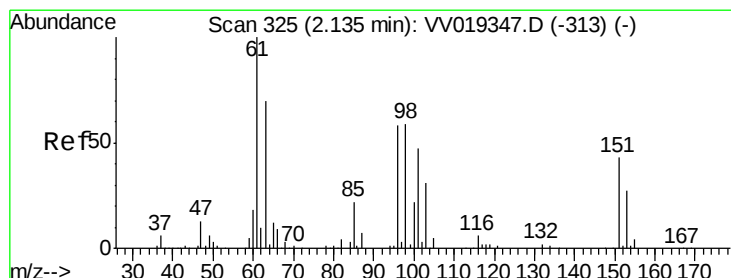
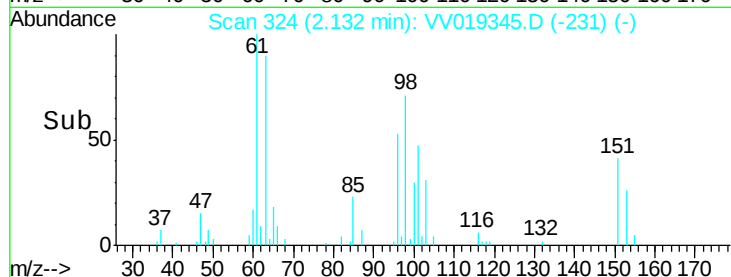
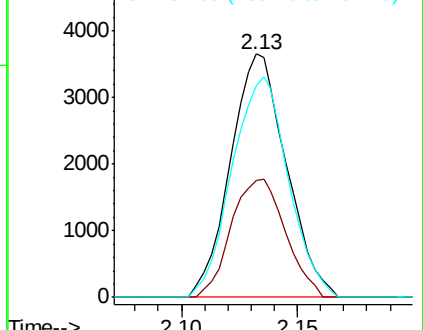
151 91.4 69.2 103.8



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: 4.855 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

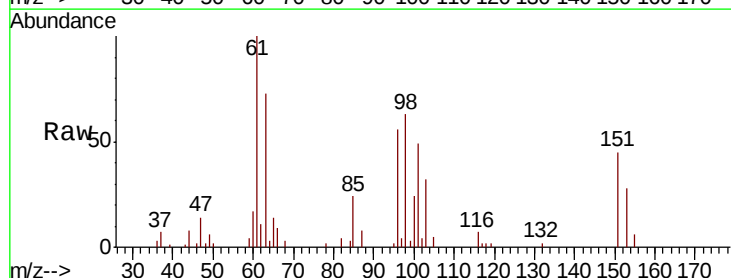
Tgt Ion: 96 Resp: 6222

Ion Ratio Lower Upper

96 100

61 178.9 121.0 224.8

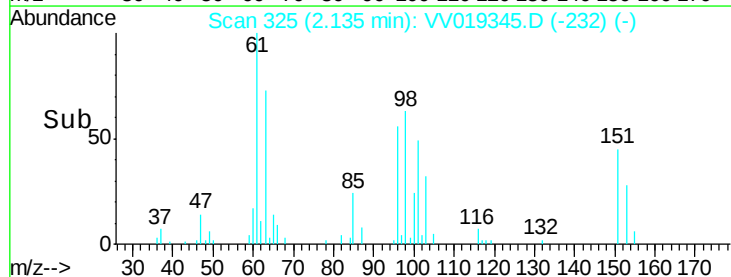
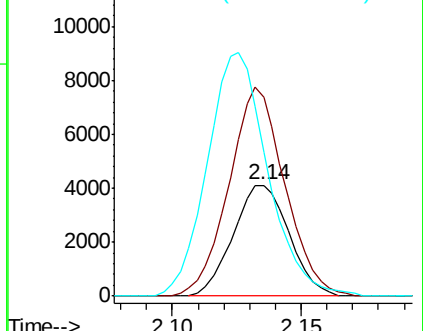
63 129.8 86.2 160.0

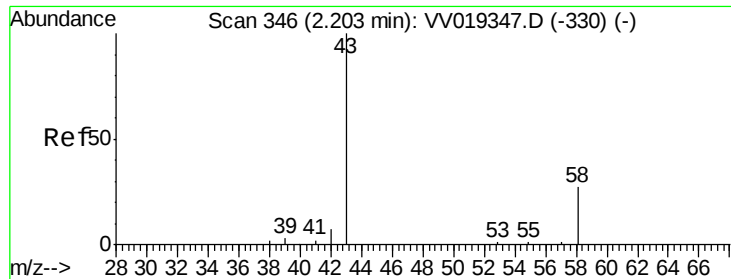


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.772 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

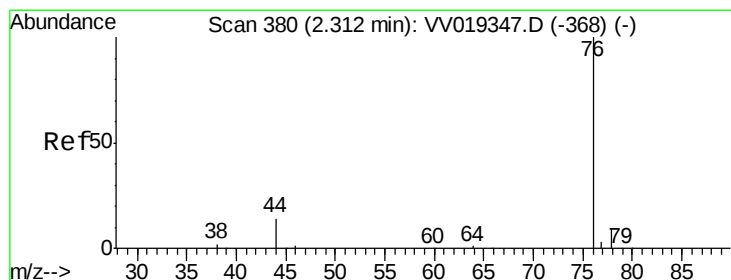
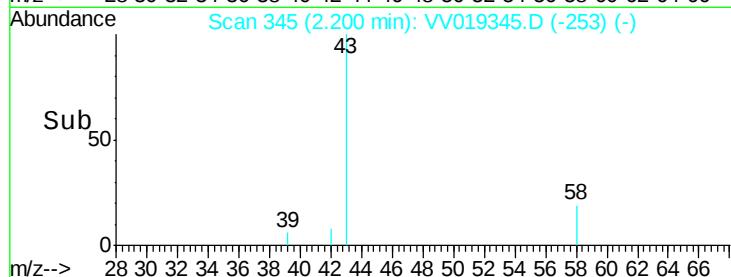
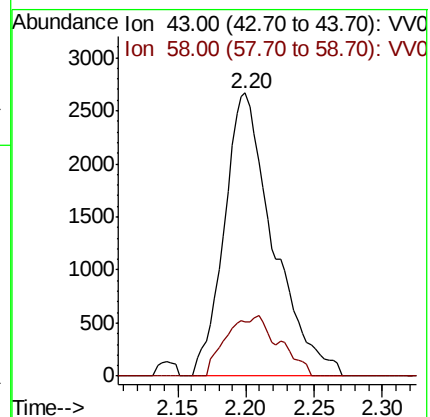
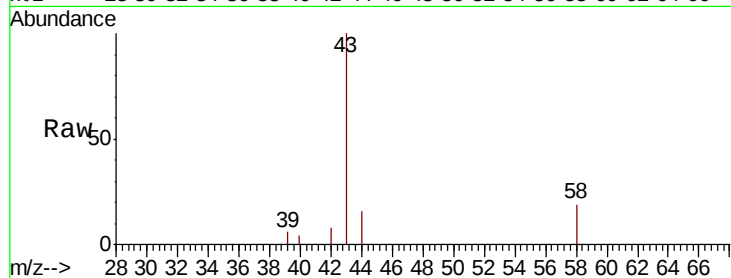
VSTD00563

Tot Ion: 43 Resp: 6646

Ion Ratio Lower Upper

43 100

58 11.2 0.0 55.8



#14

Carbon disulfide

Concen: 4.214 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019345.D

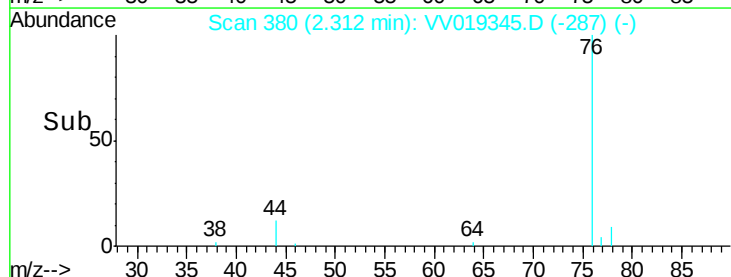
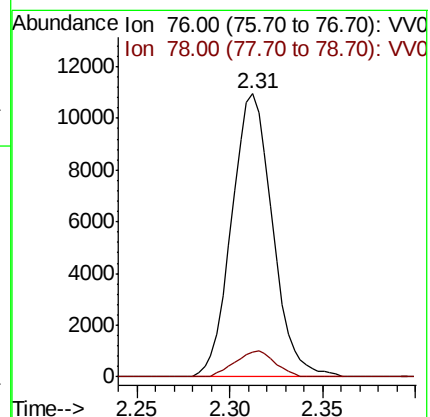
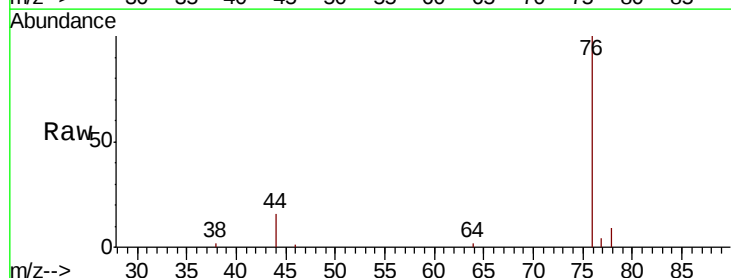
Acq: 12 Nov 2020 11:22

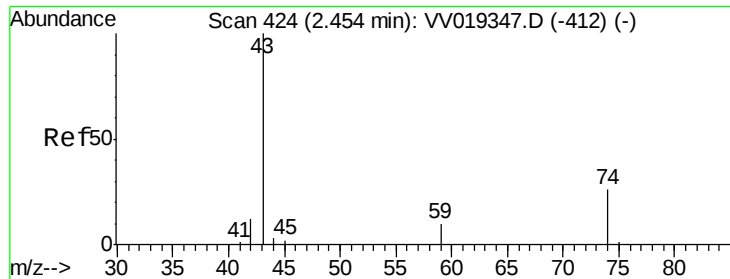
Tgt Ion: 76 Resp: 16725

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





#15

Methyl Acetate

Concen: 3.238 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

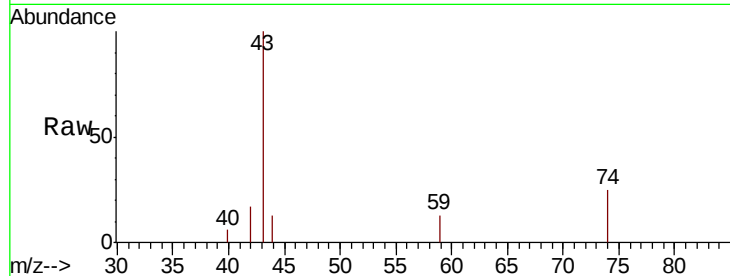
VSTD00563

Tot Ion: 43 Resp: 4474

Ion Ratio Lower Upper

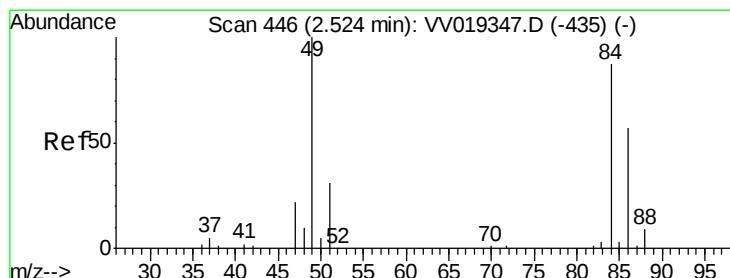
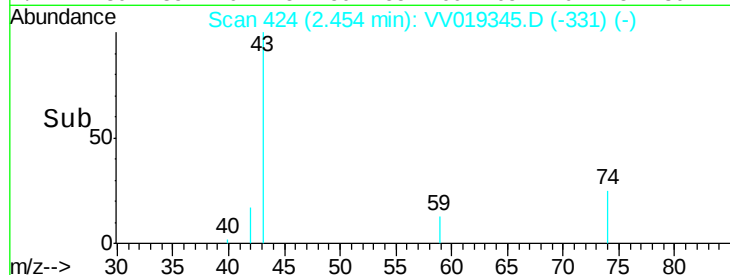
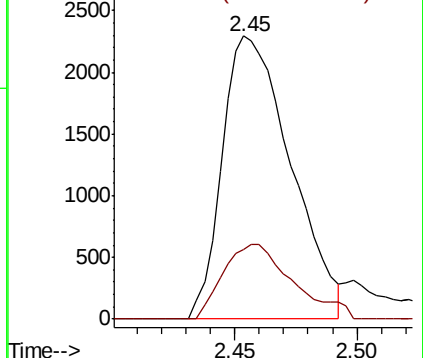
43 100

74 25.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 4.331 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

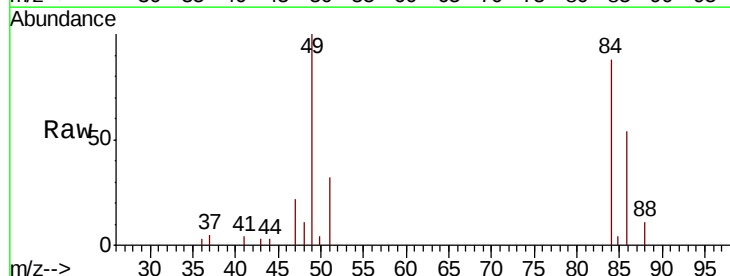
Tgt Ion: 84 Resp: 6194

Ion Ratio Lower Upper

84 100

86 60.7 45.6 84.8

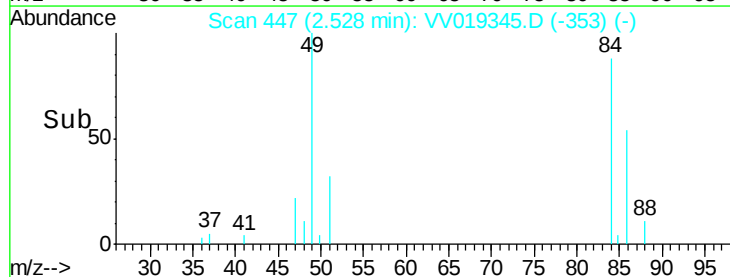
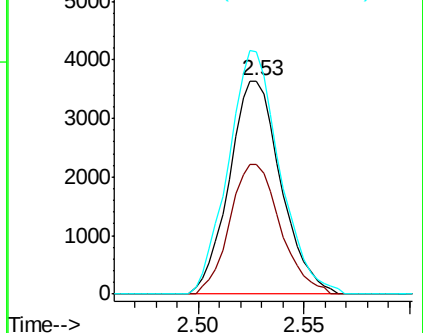
49 113.4 80.2 149.0

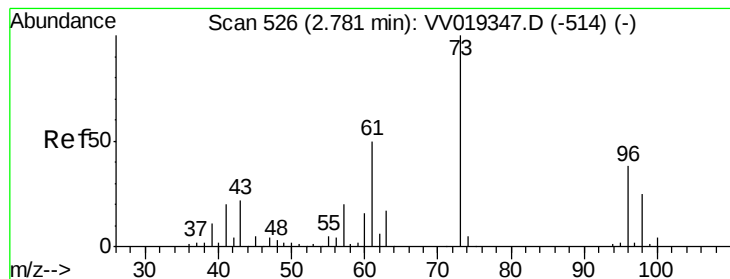


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 4.086 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

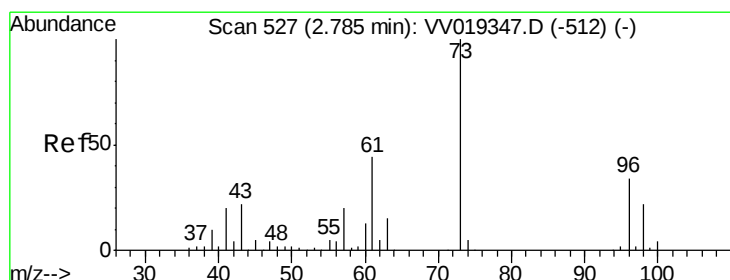
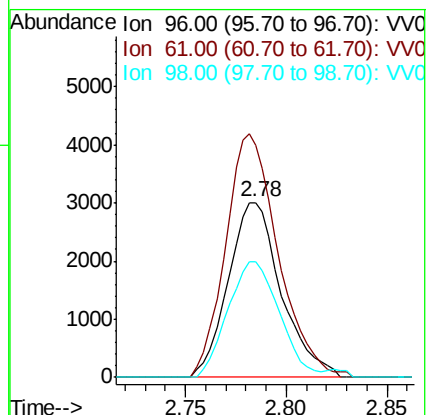
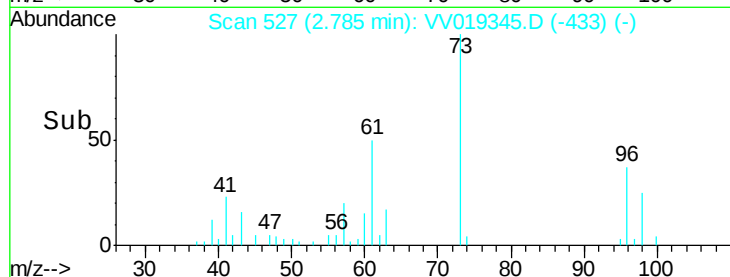
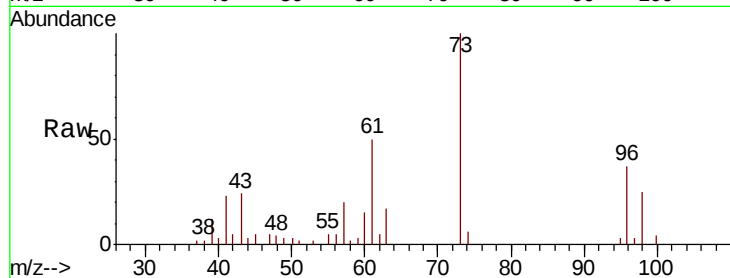
Tot Ion: 96 Resp: 5520

Ion Ratio Lower Upper

96 100

61 132.6 91.8 170.6

98 66.1 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 3.841 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

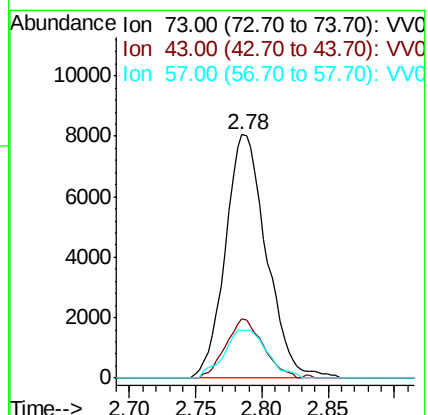
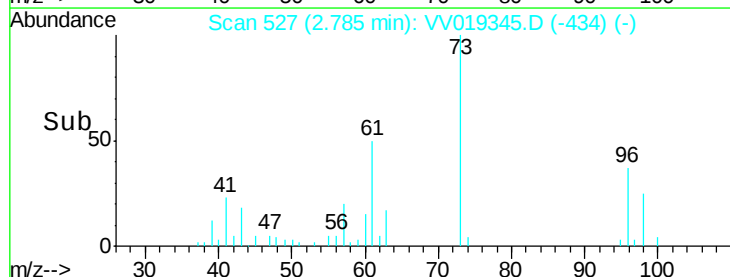
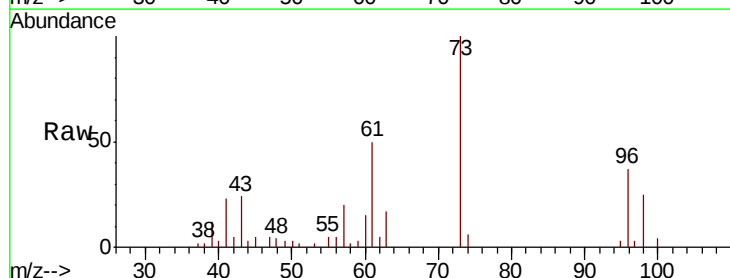
Tgt Ion: 73 Resp: 17333

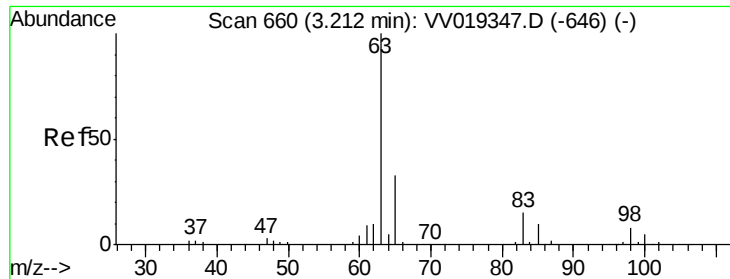
Ion Ratio Lower Upper

73 100

43 22.1 17.2 25.8

57 20.6 15.9 23.9

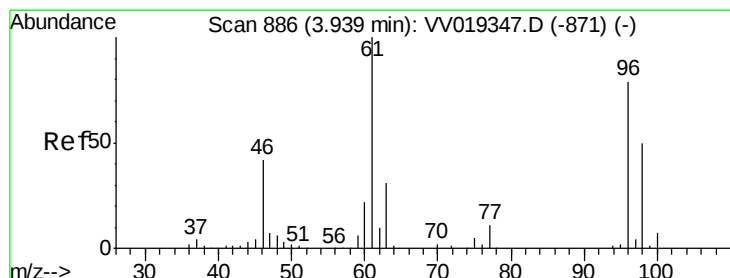
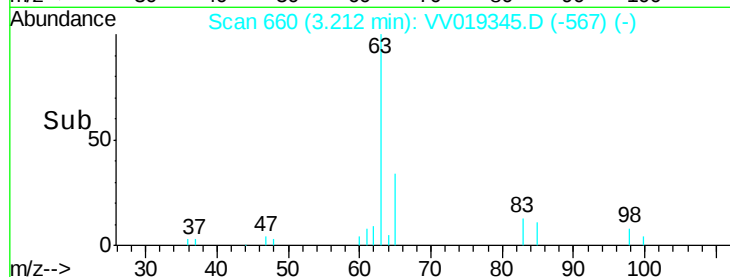
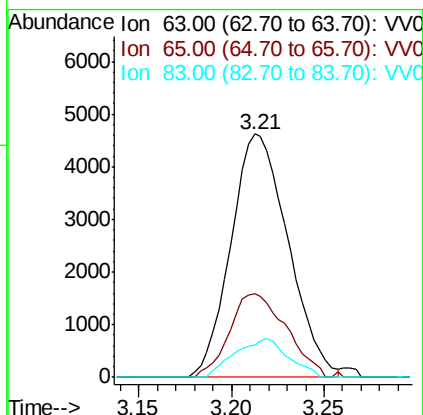
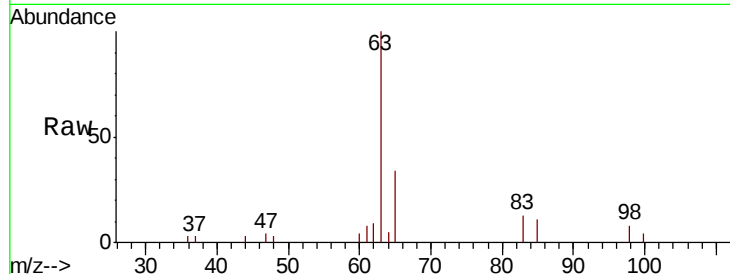




#19
 1,1-Dichloroethane
 Concen: 3.980 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

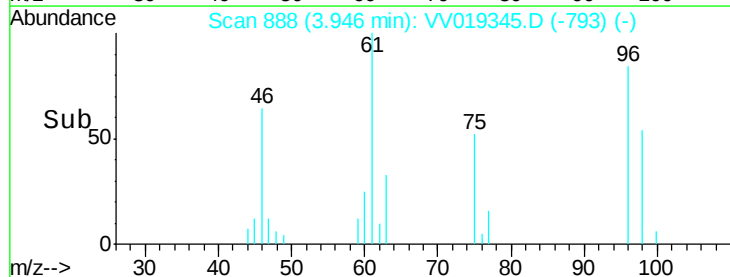
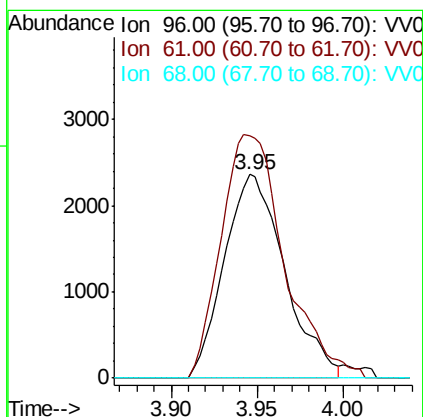
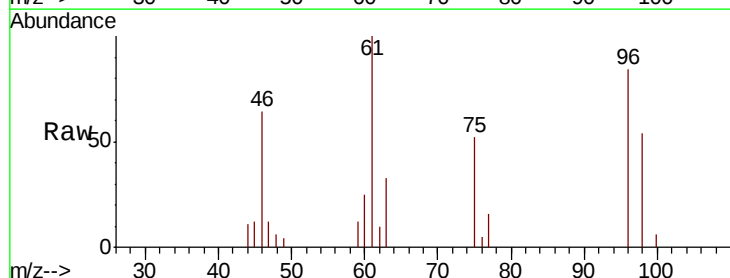
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

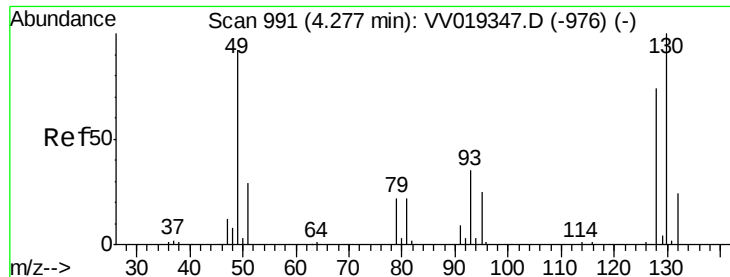
Tot Ion: 63 Resp: 9883
 Ion Ratio Lower Upper
 63 100
 65 34.2 23.0 42.8
 83 13.3 10.7 19.9



#20
 cis-1,2-Dichloroethene
 Concen: 3.909 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Tgt Ion: 96 Resp: 5772
 Ion Ratio Lower Upper
 96 100
 61 119.2 88.2 163.8
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 4.153 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tot Ion:128 Resp: 3351

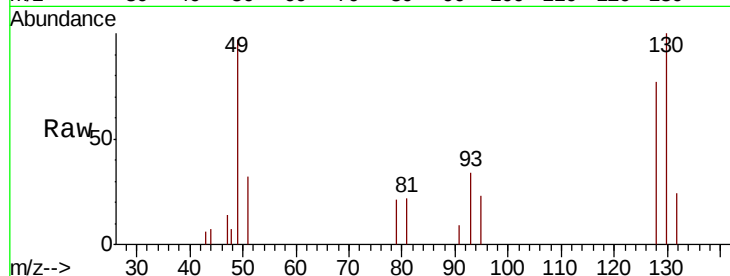
Ion Ratio Lower Upper

128 100

49 127.1 86.2 160.0

130 130.5 94.0 174.6

51 41.6 30.6 46.0

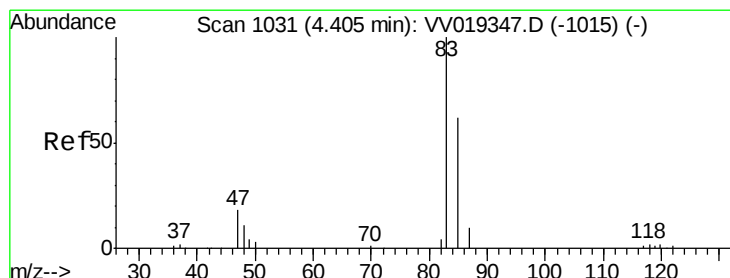
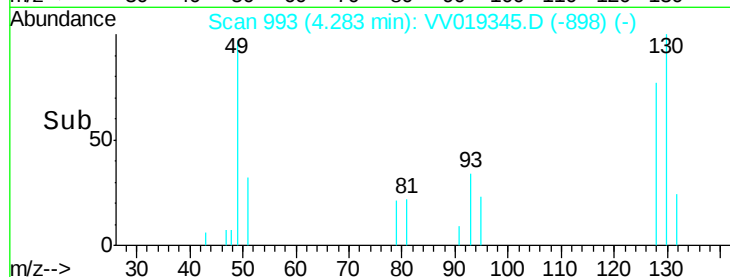
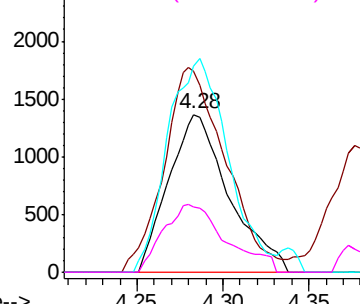


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 4.310 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV019345.D

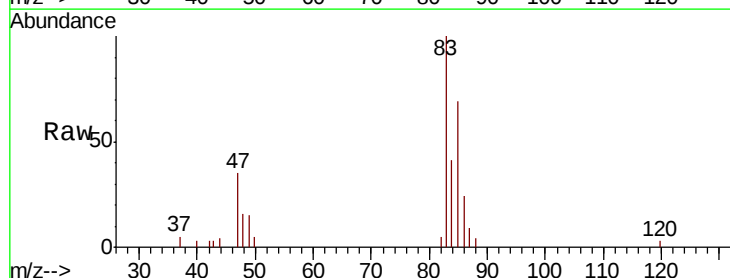
Acq: 12 Nov 2020 11:22

Tgt Ion: 83 Resp: 11762

Ion Ratio Lower Upper

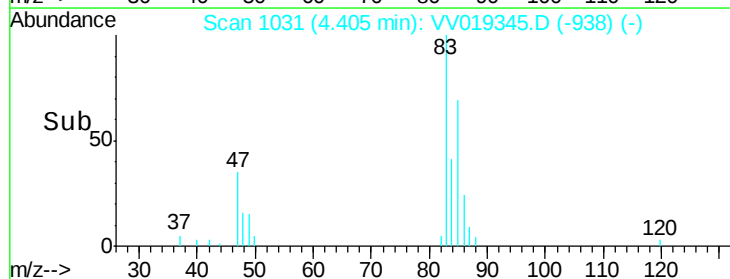
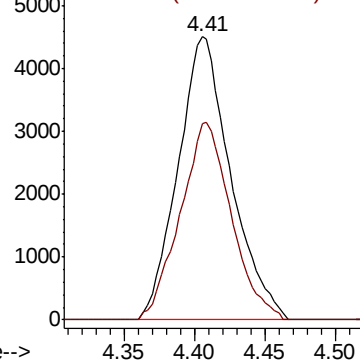
83 100

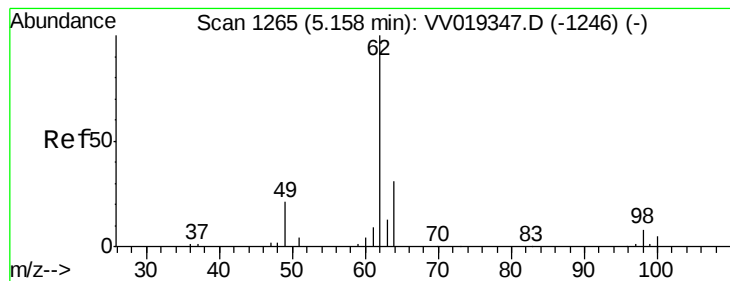
85 69.2 44.0 81.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 4.051 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

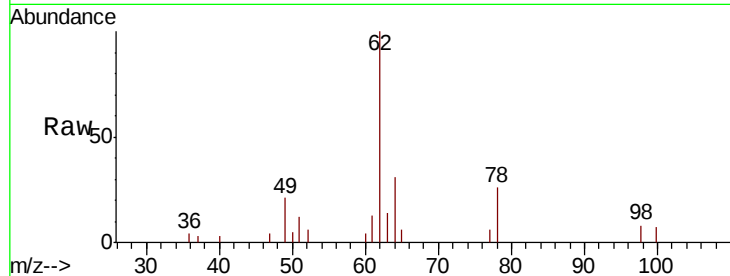
VSTD00563

Tot Ion: 62 Resp: 9457

Ion Ratio Lower Upper

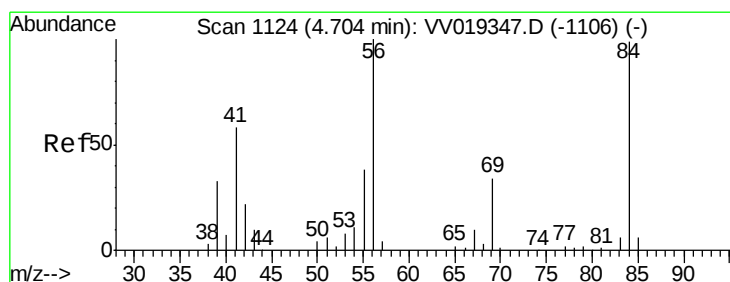
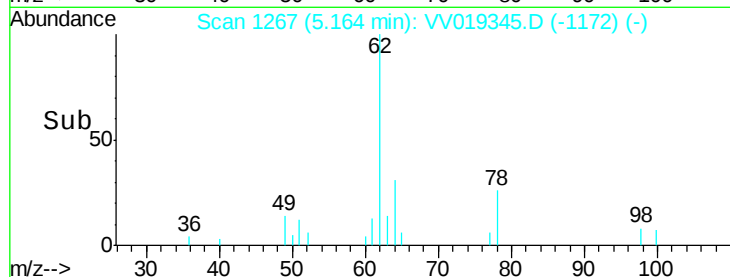
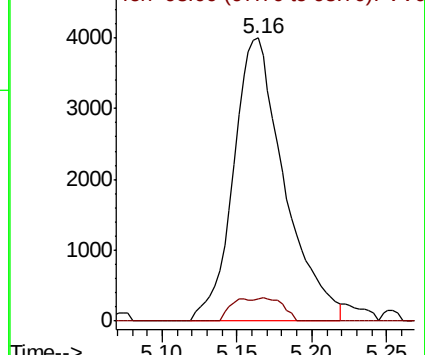
62 100

98 8.0 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 3.495 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

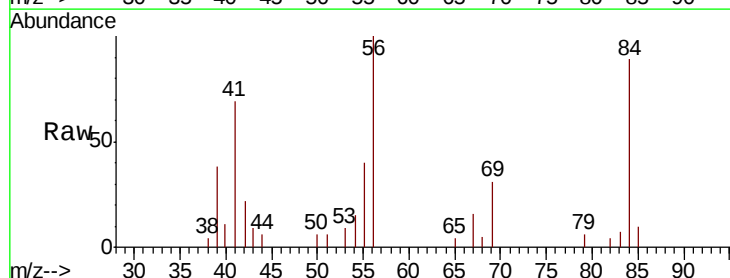
Tgt Ion: 56 Resp: 7211

Ion Ratio Lower Upper

56 100

69 33.9 26.7 40.1

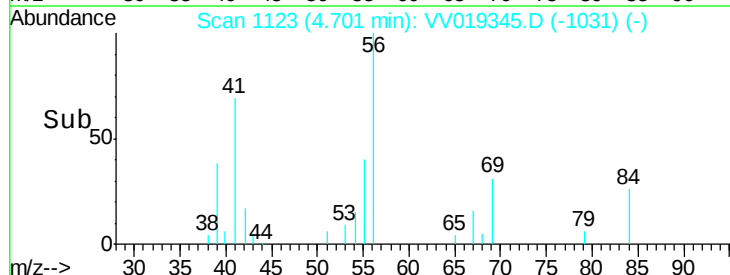
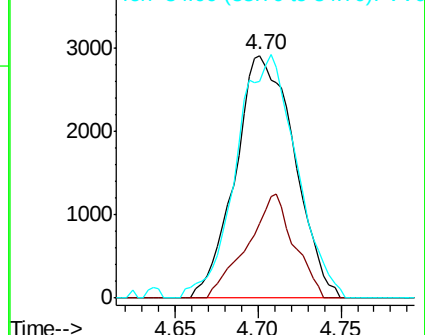
84 38.5 79.5 119.3#

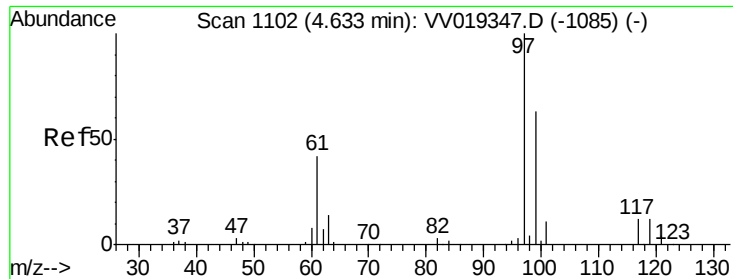


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0

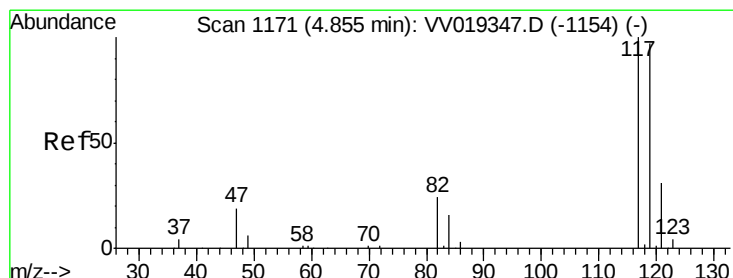
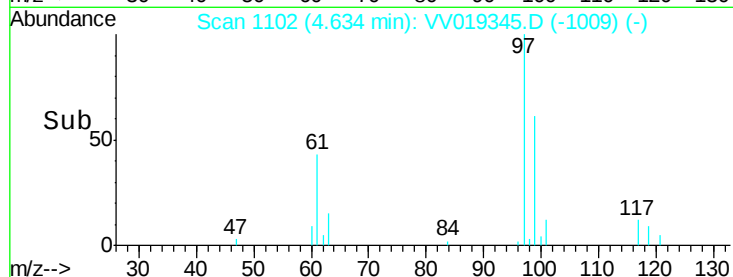
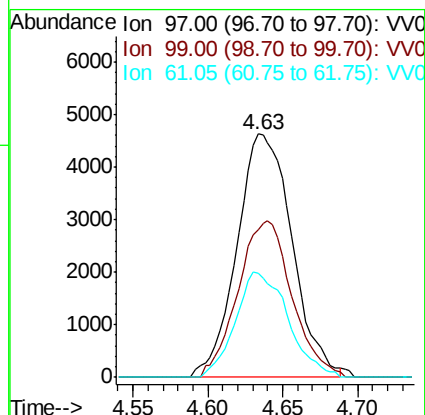
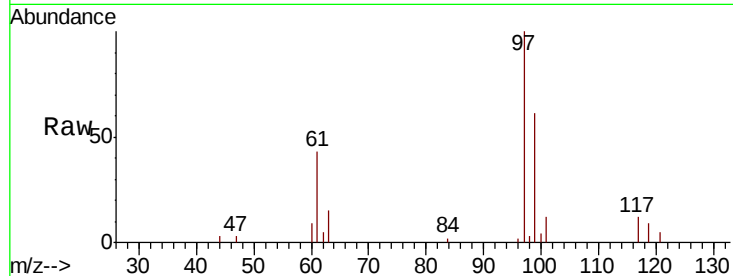




#30
 1,1,1-Trichloroethane
 Concen: 4.536 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

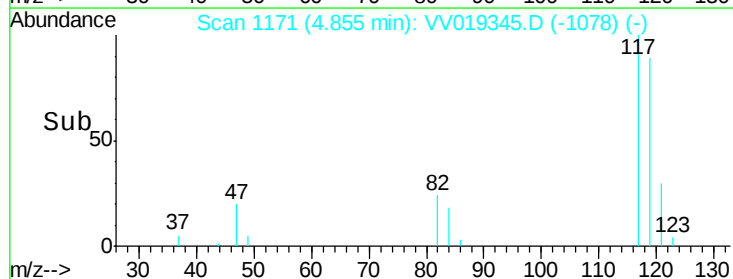
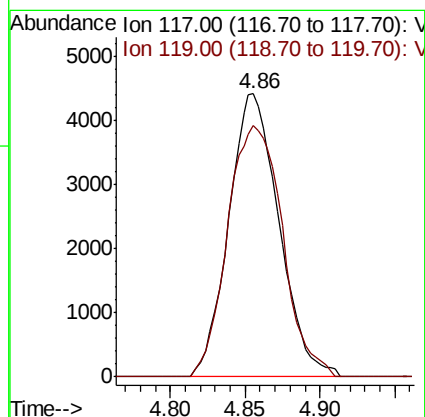
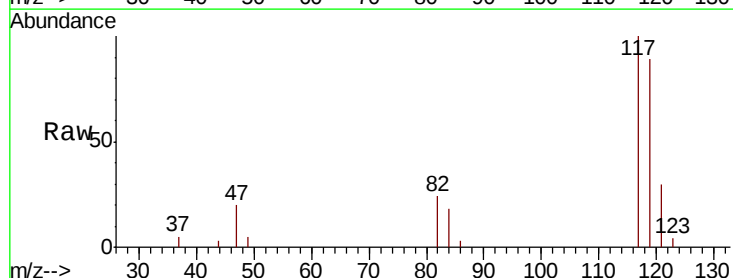
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

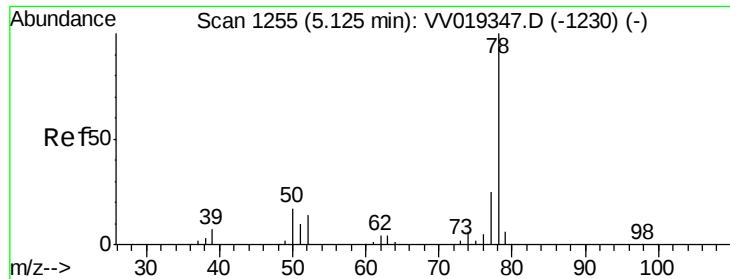
Tot Ion: 97 Resp: 11862
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.0 76.6
 61 41.4 33.2 49.8



#31
 Carbon tetrachloride
 Concen: 4.430 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Tgt Ion: 117 Resp: 10320
 Ion Ratio Lower Upper
 117 100
 119 97.2 77.0 115.4





#33

Benzene

Concen: 3.942 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

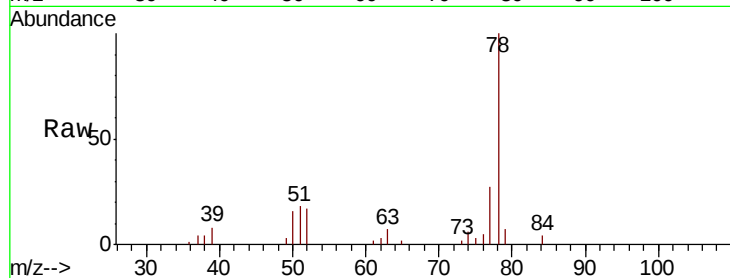
Instrument :

MSVOA_V

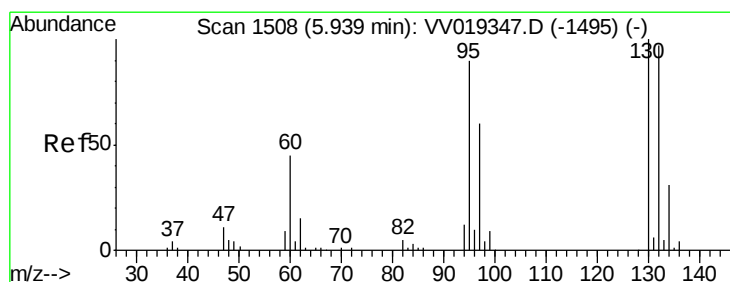
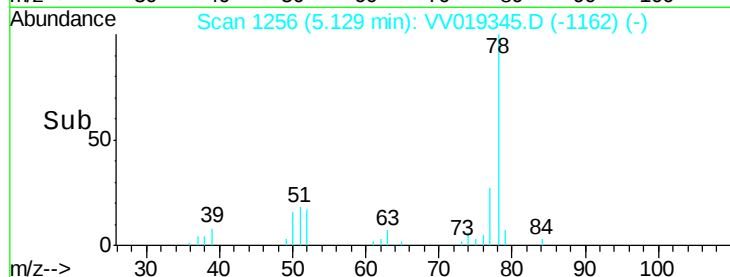
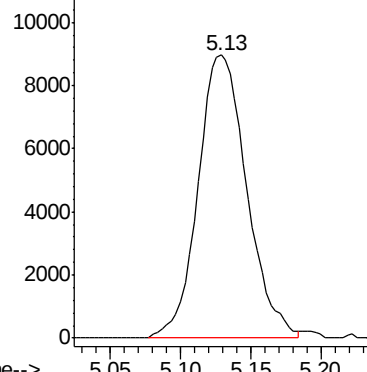
ClientSampleId :

VSTD00563

Tgt Ion: 78 Resp: 21644



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 4.798 ug/L

RT: 5.94 min Scan# 1509

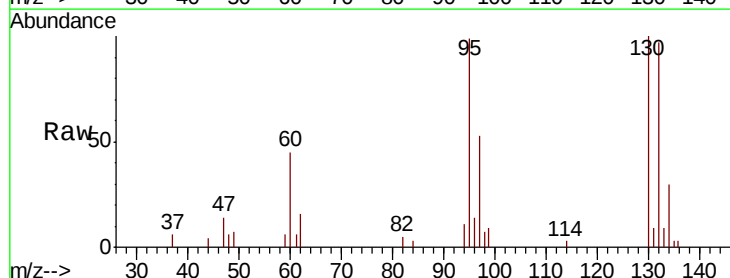
Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Tgt Ion: 95 Resp: 7307

Ion	Ratio	Lower	Upper
95	100		
97	53.7	46.8	86.8
132	97.2	75.5	140.3
130	100.7	77.7	144.3

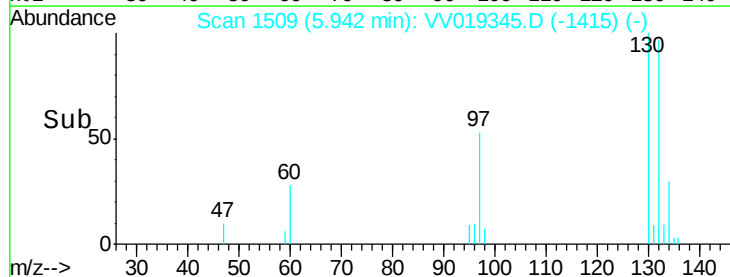


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

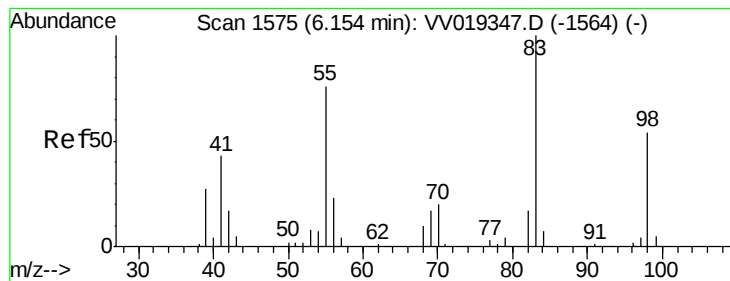


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methvlcvclohexane

Concen: 4.180 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

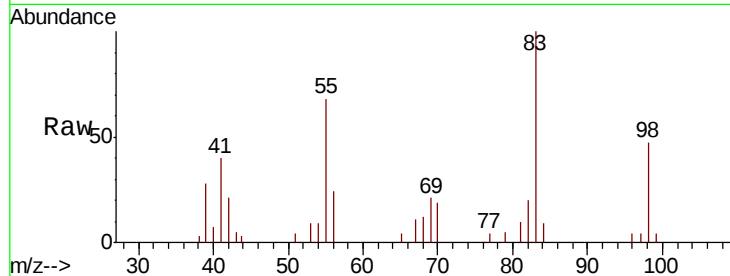
Tot Ion: 83 Resp: 8383

Ion Ratio Lower Upper

83 100

55 72.9 58.6 88.0

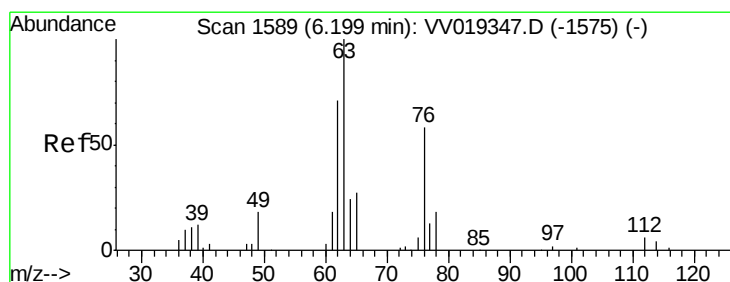
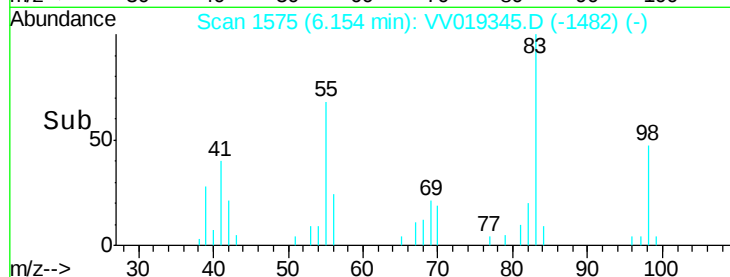
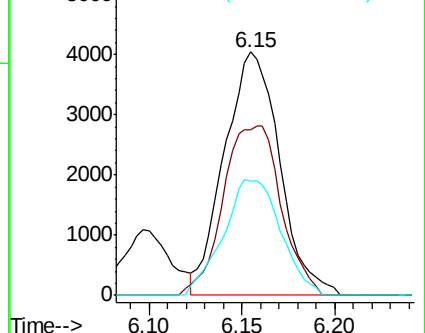
98 49.4 41.4 62.0



Abundance Ion 83.00 (82.70 to 83.70): VV019345.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV019345.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV019345.D (-1482) (-)



#37

1,2-Dichloropropane

Concen: 4.003 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV019345.D

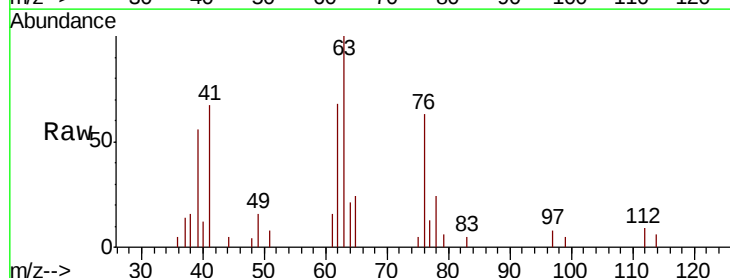
Acq: 12 Nov 2020 11:22

Tgt Ion: 63 Resp: 5418

Ion Ratio Lower Upper

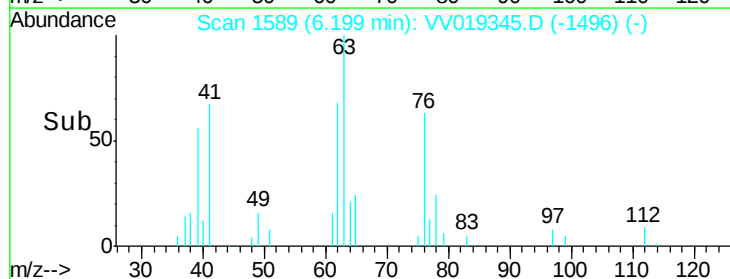
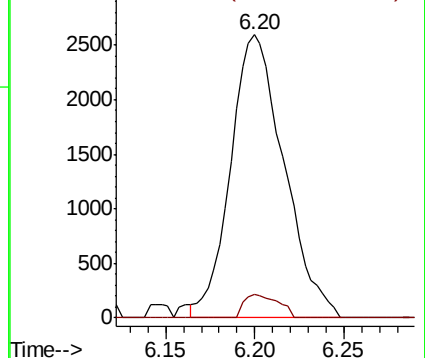
63 100

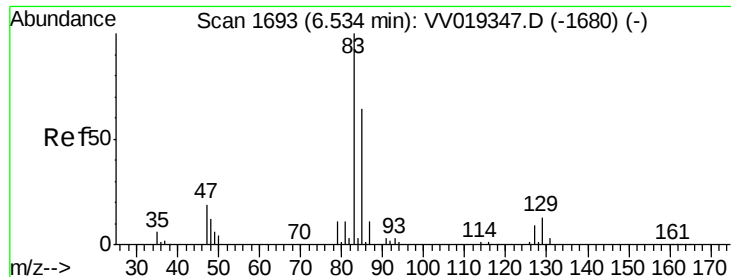
112 5.3 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VV019345.D (-1496) (-)

Ion 112.00 (111.70 to 112.70): VV019345.D (-1496) (-)





#38

Bromodichloromethane

Concen: 4.194 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

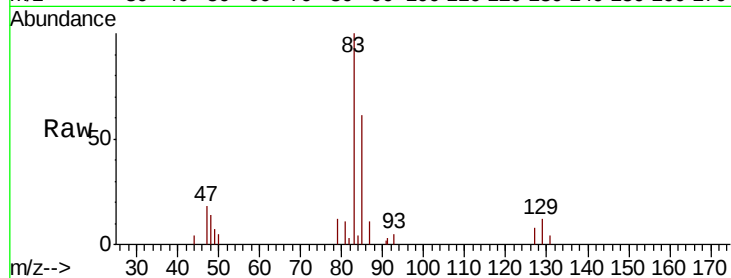
Tot Ion: 83 Resp: 8610

Ion Ratio Lower Upper

83 100

85 60.8 45.1 83.7

127 8.0 7.2 10.8



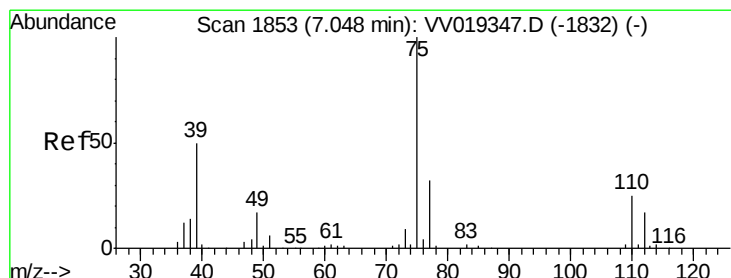
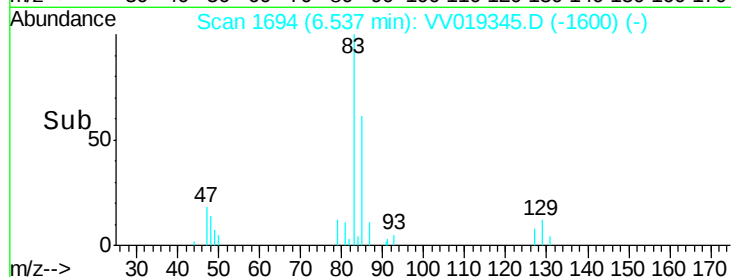
Abundance Ion 83.00 (82.70 to 83.70): VV019345.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV019345.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV019345.D (-1600) (-)

6.54

Time-->



#39

cis-1,3-Dichloropropene

Concen: 3.721 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV019345.D

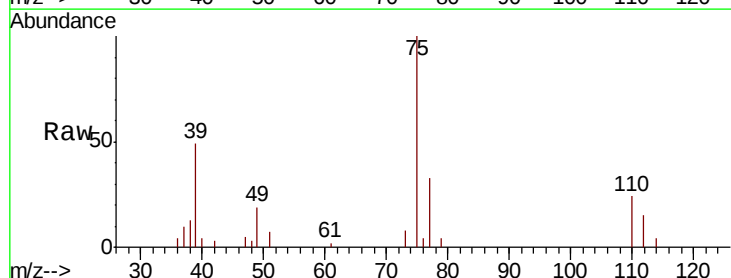
Acq: 12 Nov 2020 11:22

Tgt Ion: 75 Resp: 8408

Ion Ratio Lower Upper

75 100

77 32.9 22.7 42.1

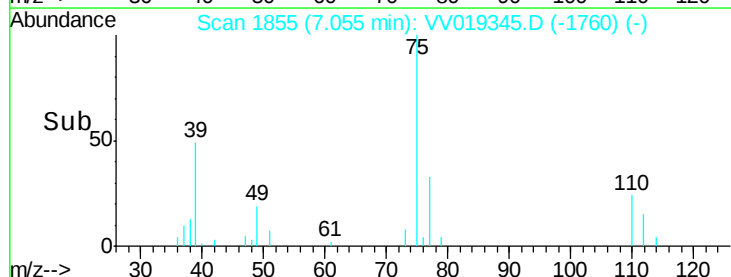


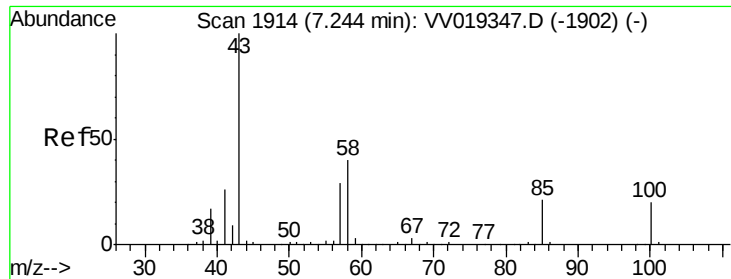
Abundance Ion 75.00 (74.70 to 75.70): VV019345.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV019345.D (-1760) (-)

7.05

Time-->

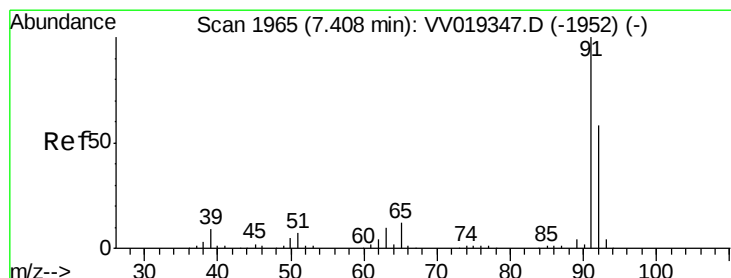
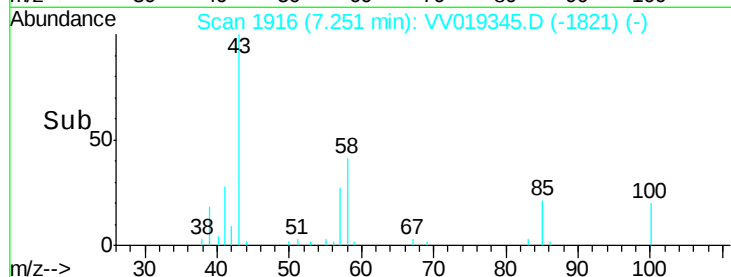
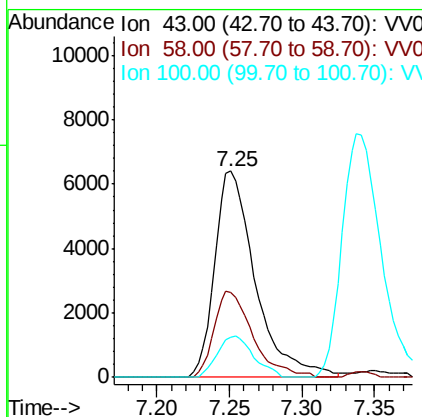
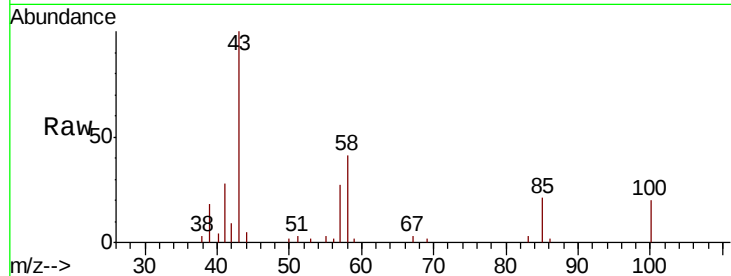




#40
4-Methyl-2-pentanone
Concen: 6.793 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019345.D
Acq: 12 Nov 2020 11:22

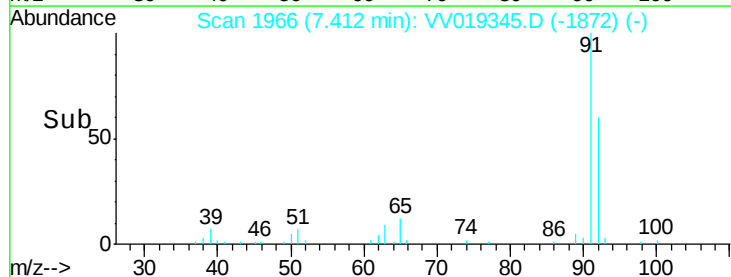
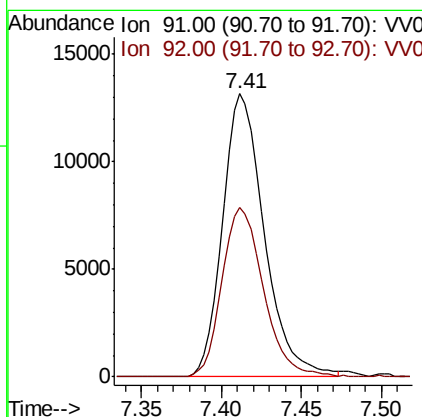
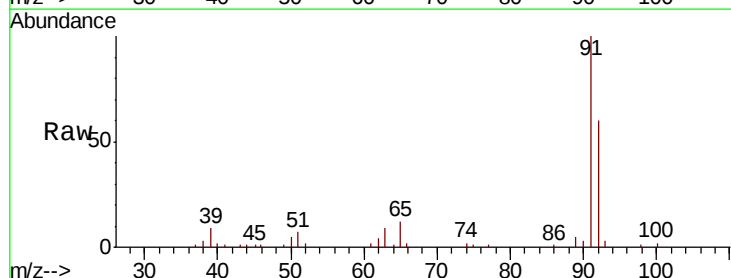
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

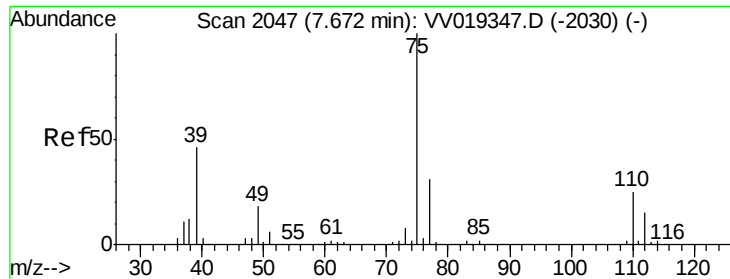
Tot Ion: 43 Resp: 12451
Ion Ratio Lower Upper
43 100
58 39.2 32.7 49.1
100 17.9 15.9 23.9



#42
Toluene
Concen: 3.887 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV019345.D
Acq: 12 Nov 2020 11:22

Tgt Ion: 91 Resp: 23404
Ion Ratio Lower Upper
91 100
92 59.6 40.5 75.3





#44

trans-1,3-Dichloropropene

Concen: 3.484 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

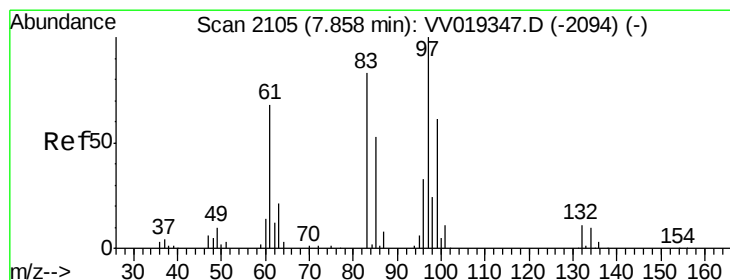
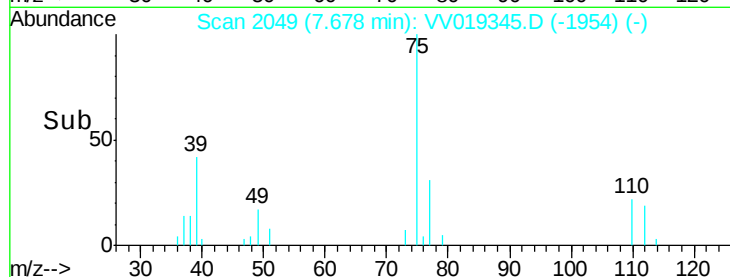
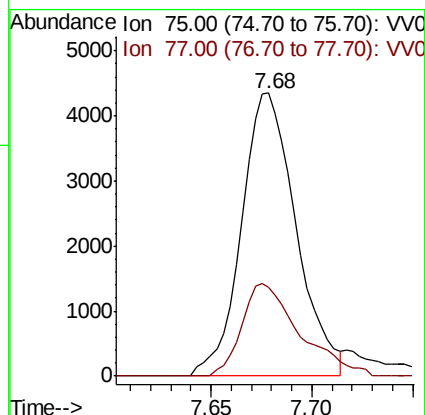
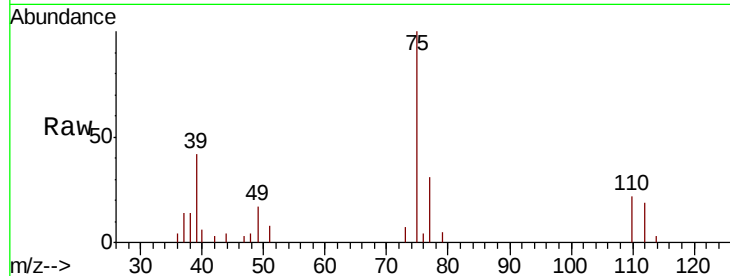
VSTD00563

Tot Ion: 75 Resp: 8237

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 4.154 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Tgt Ion: 97 Resp: 5756

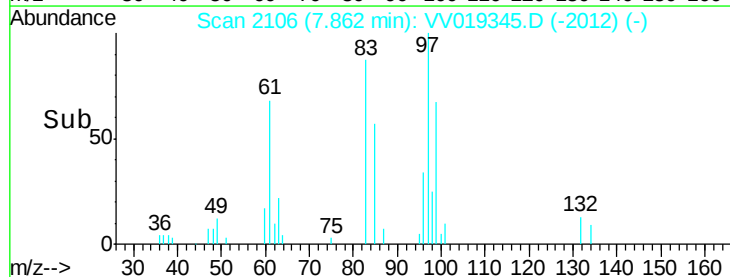
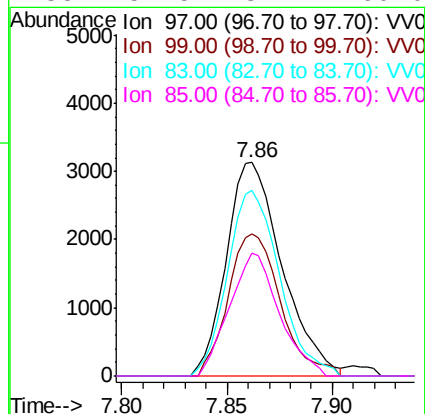
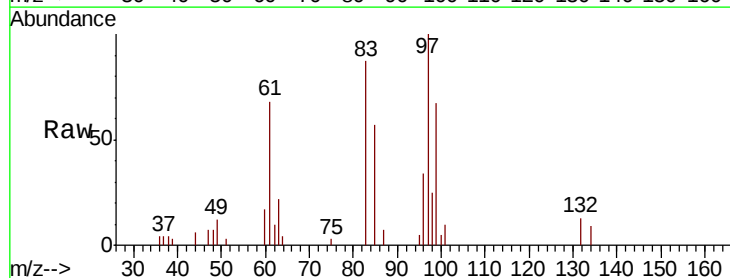
Ion Ratio Lower Upper

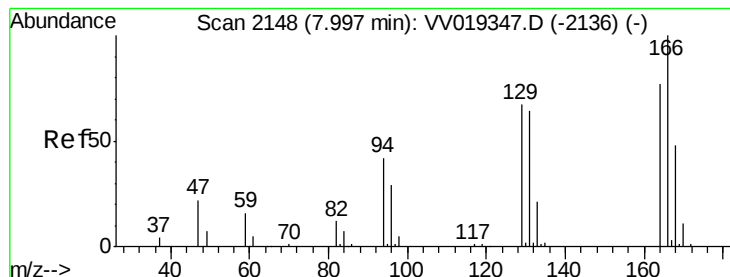
97 100

99 66.6 42.5 78.9

83 86.8 58.1 107.9

85 57.5 37.2 69.0





#46

Tetrachloroethene

Concen: 4.573 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tot Ion:164 Resp: 5982

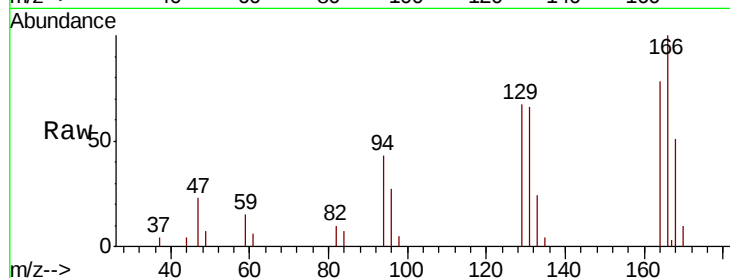
Ion Ratio Lower Upper

164 100

129 86.0 60.9 113.1

131 85.3 58.9 109.5

166 128.8 91.4 169.8

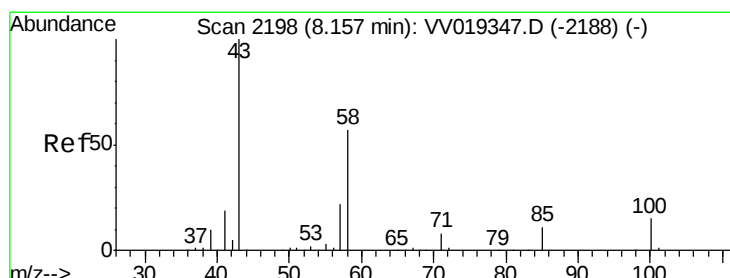
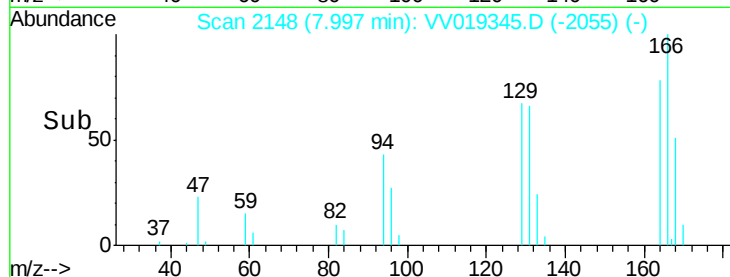
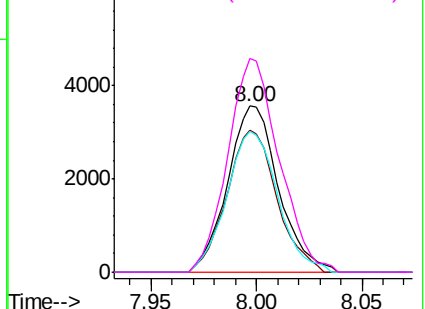


Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.715 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Tgt Ion: 43 Resp: 9836

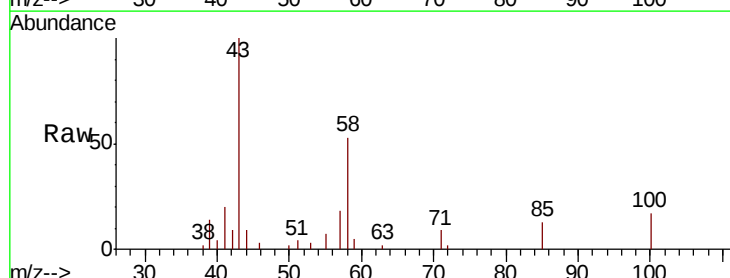
Ion Ratio Lower Upper

43 100

58 52.7 43.6 65.4

57 11.7 17.2 25.8#

100 13.7 11.9 17.9

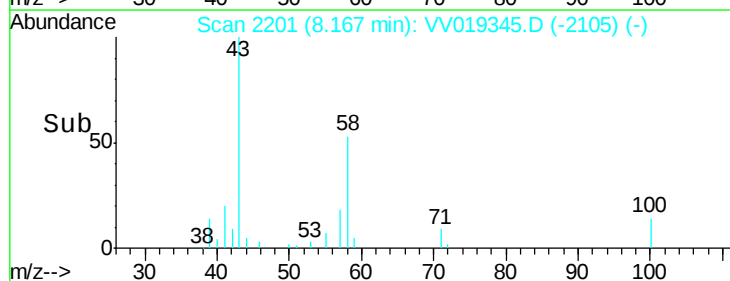
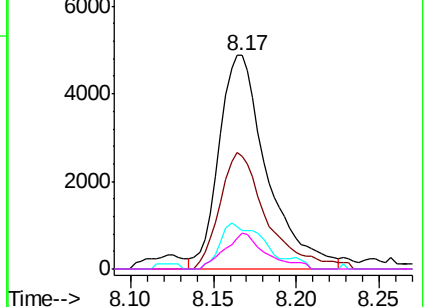


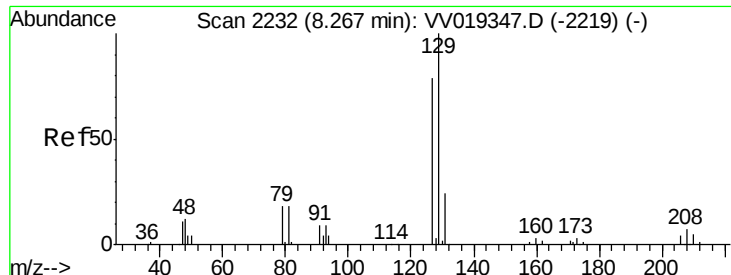
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.084 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

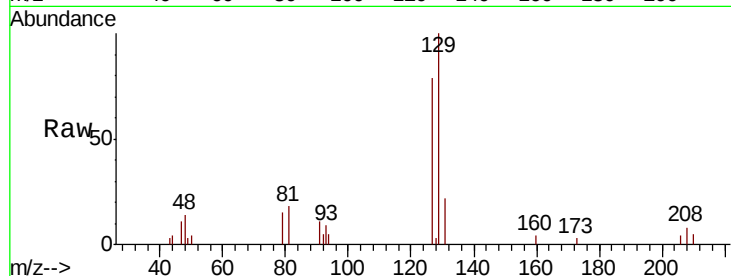
VSTD00563

Tot Ion:129 Resp: 6920

Ion Ratio Lower Upper

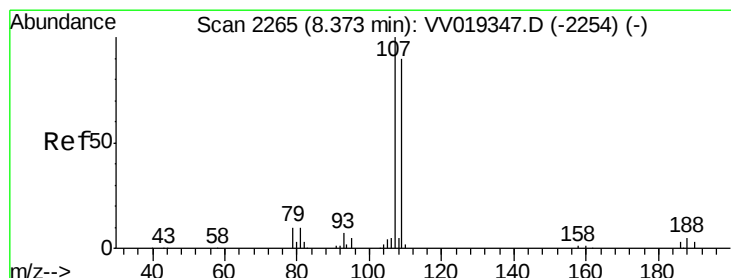
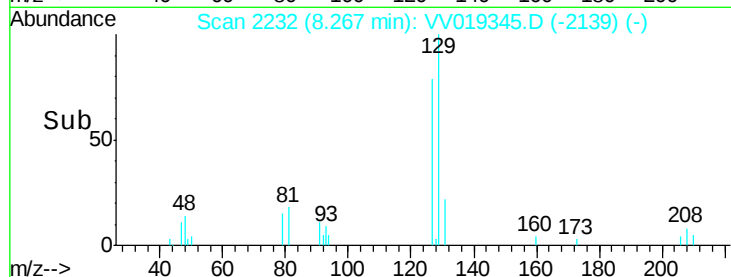
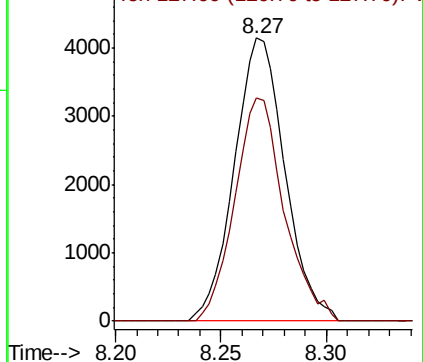
129 100

127 78.9 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.129 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

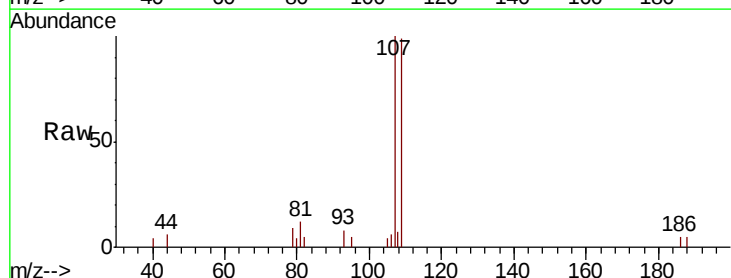
Tgt Ion:107 Resp: 6116

Ion Ratio Lower Upper

107 100

109 98.6 62.9 116.9

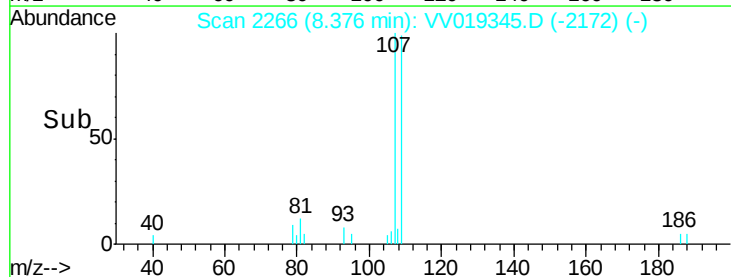
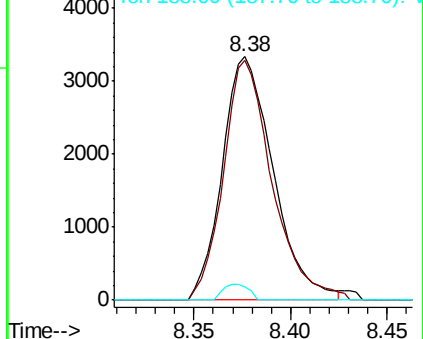
188 5.3 3.6 5.4

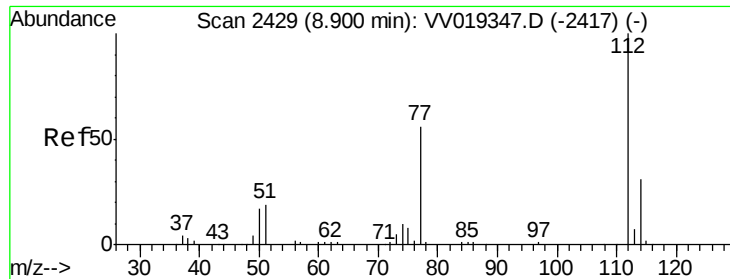


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

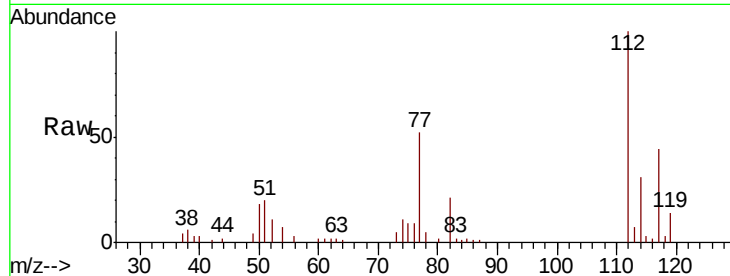




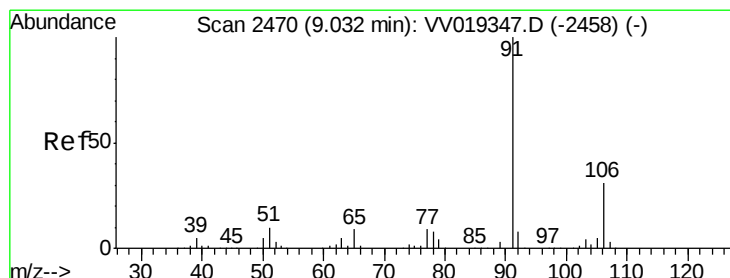
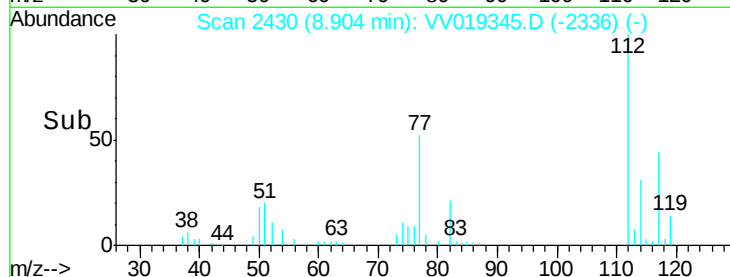
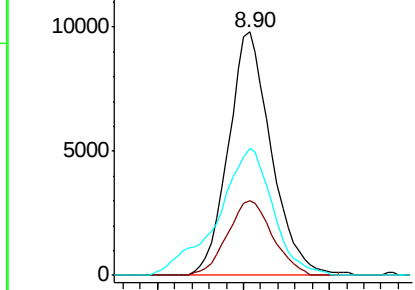
#51
Chlorobenzene
Concen: 4.254 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019345.D
Acq: 12 Nov 2020 11:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tot Ion:112 Resp: 16939
Ion Ratio Lower Upper
112 100
114 30.6 21.8 40.6
77 52.2 45.1 67.7

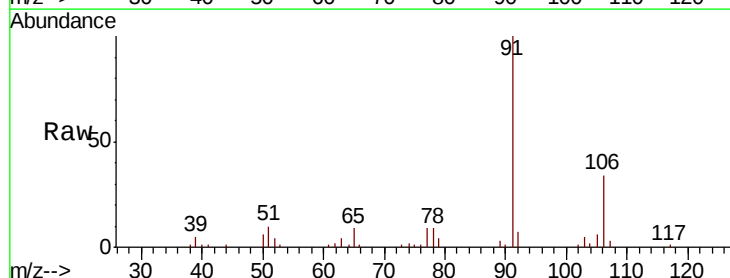


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

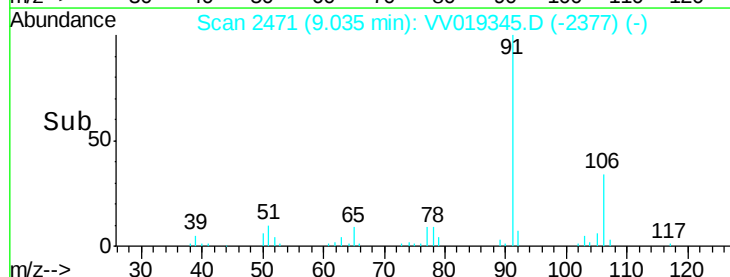
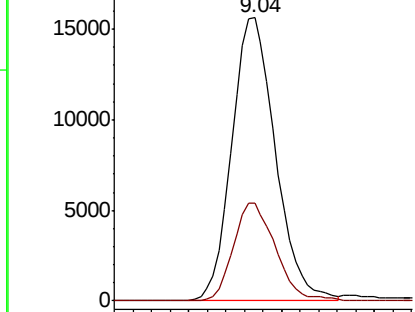


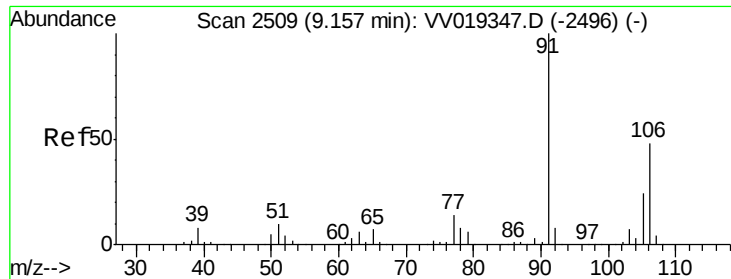
#52
Ethylbenzene
Concen: 3.842 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019345.D
Acq: 12 Nov 2020 11:22

Tgt Ion: 91 Resp: 25613
Ion Ratio Lower Upper
91 100
106 34.4 21.8 40.4



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





#53

m,p-Xylene

Concen: 3.992 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

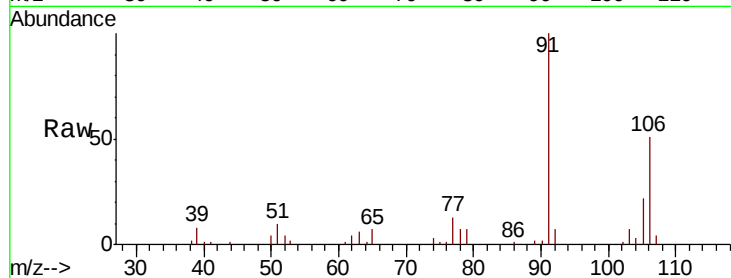
VSTD00563

Tot Ion:106 Resp: 10044

Ion Ratio Lower Upper

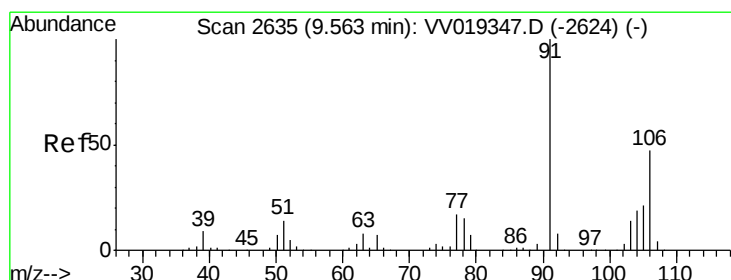
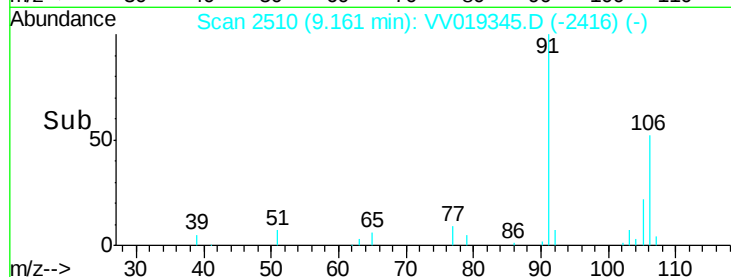
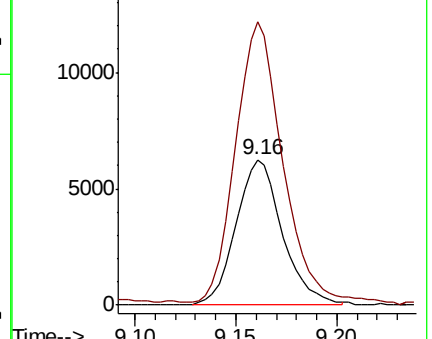
106 100

91 195.0 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 3.832 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019345.D

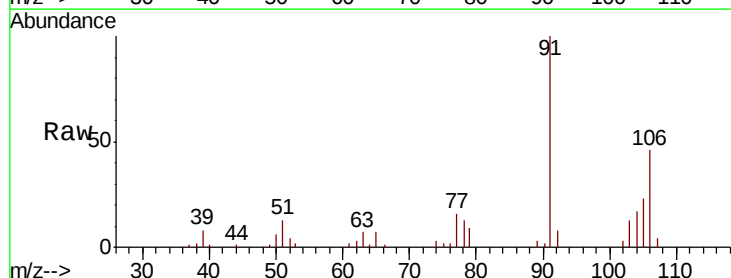
Acq: 12 Nov 2020 11:22

Tgt Ion:106 Resp: 9304

Ion Ratio Lower Upper

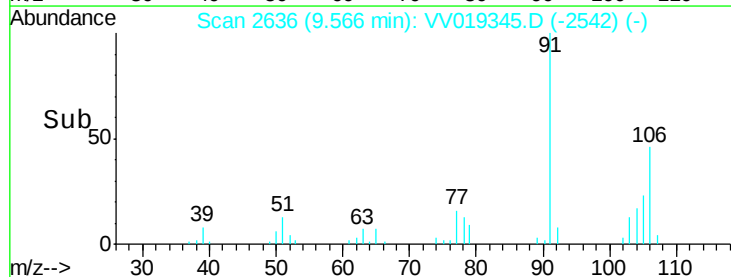
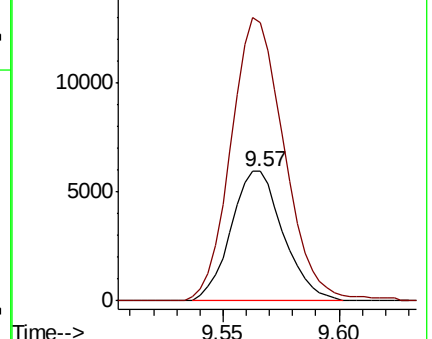
106 100

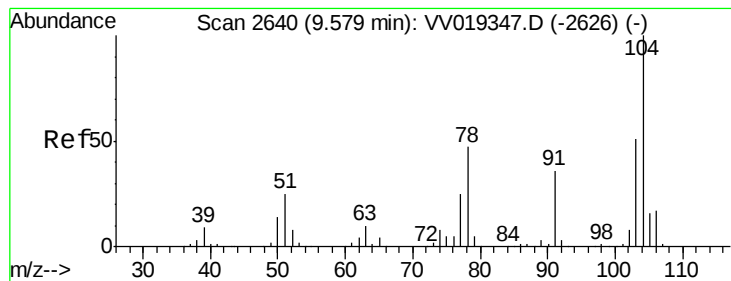
91 215.2 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 3.664 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

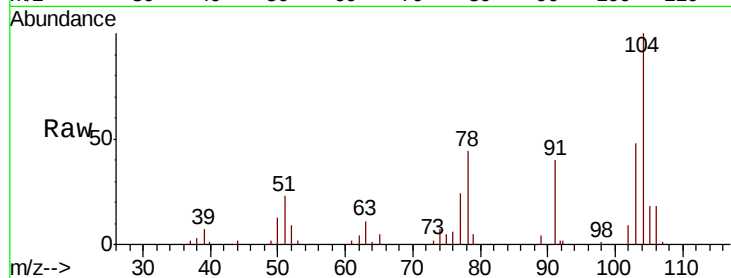
VSTD00563

Tot Ion:104 Resp: 15738

Ion Ratio Lower Upper

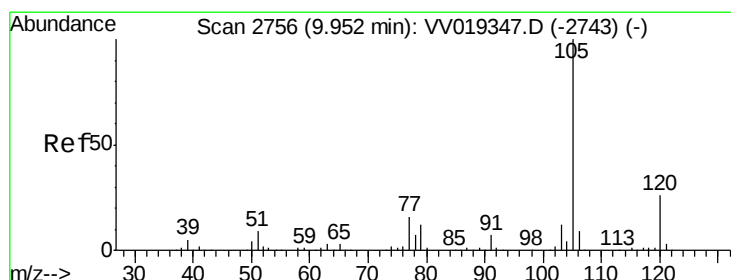
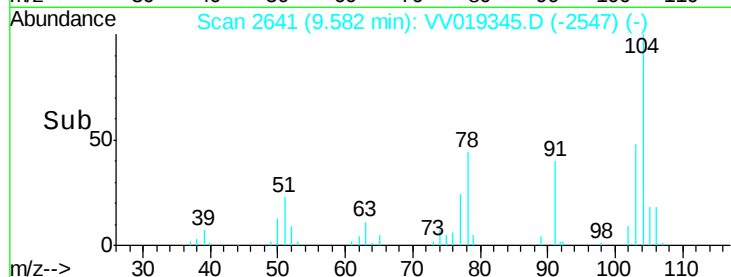
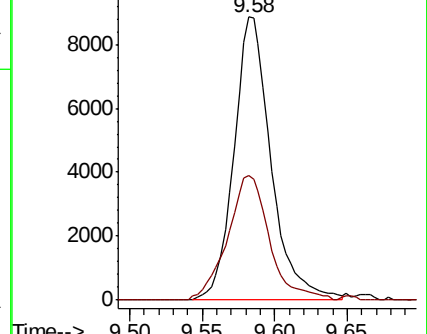
104 100

78 44.2 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 3.960 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

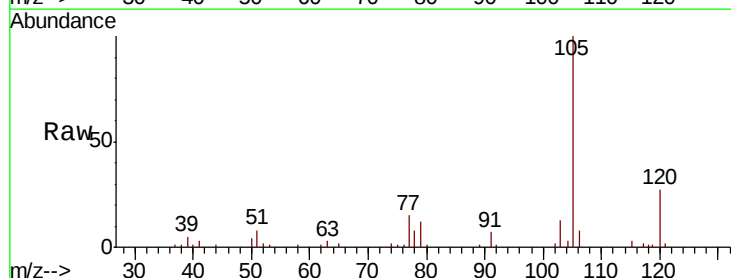
Tgt Ion:105 Resp: 25763

Ion Ratio Lower Upper

105 100

120 25.7 21.3 31.9

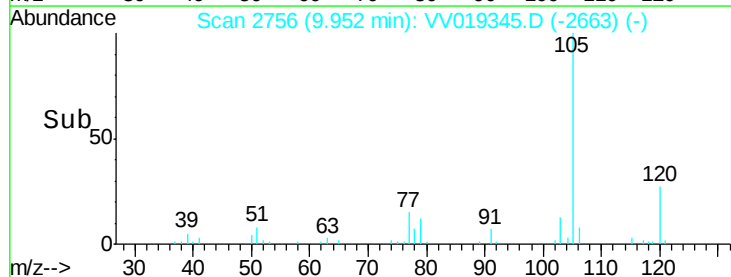
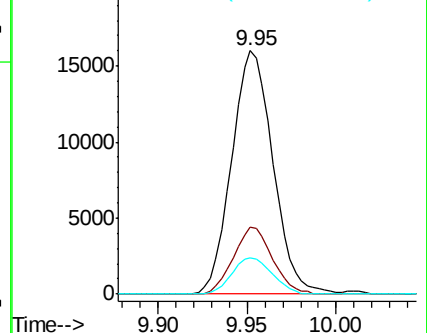
77 14.4 12.6 18.8

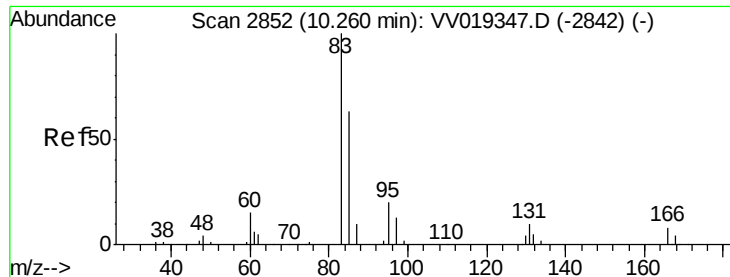


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.372 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

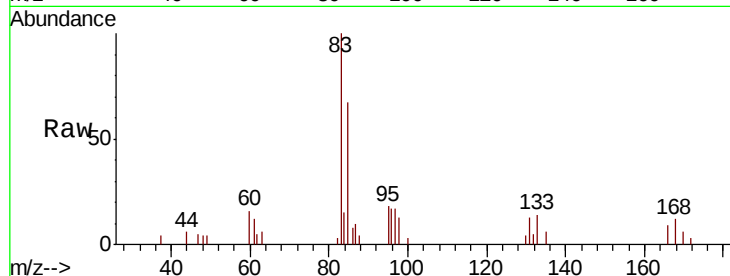
Tot Ion: 83 Resp: 6977

Ion Ratio Lower Upper

83 100

85 67.1 45.1 83.9

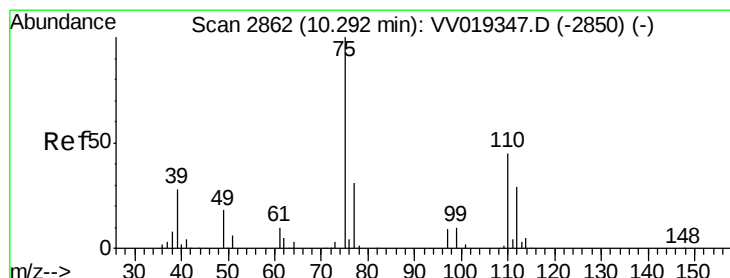
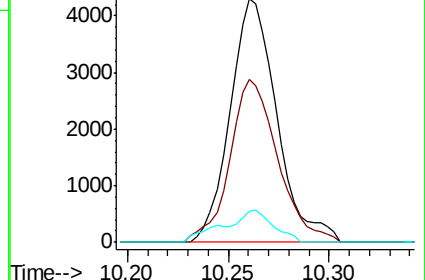
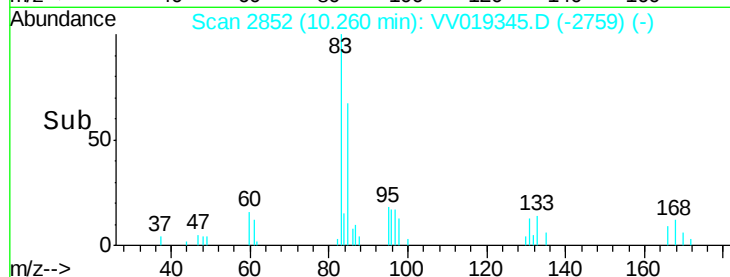
131 12.6 9.6 14.4



Abundance Ion 83.00 (82.70 to 83.70): VV019345.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV019345.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV019345.D (-2759) (-)



#59

1,2,3-Trichloropropane

Concen: 4.119 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019345.D

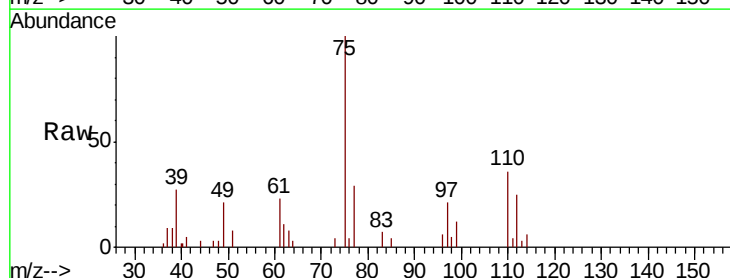
Acq: 12 Nov 2020 11:22

Tgt Ion: 75 Resp: 7380

Ion Ratio Lower Upper

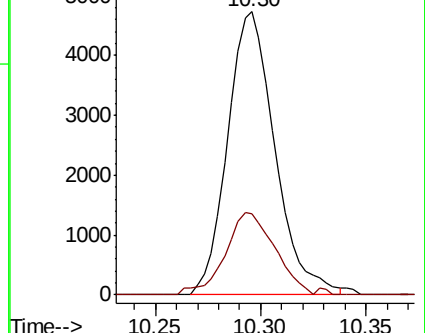
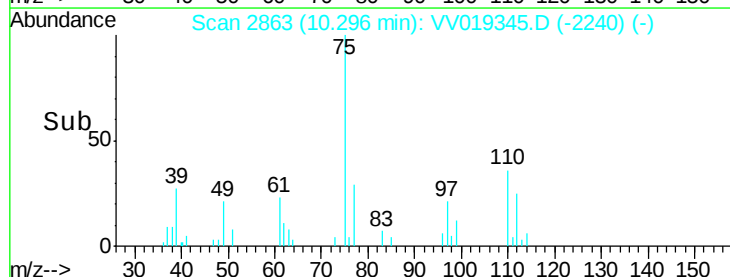
75 100

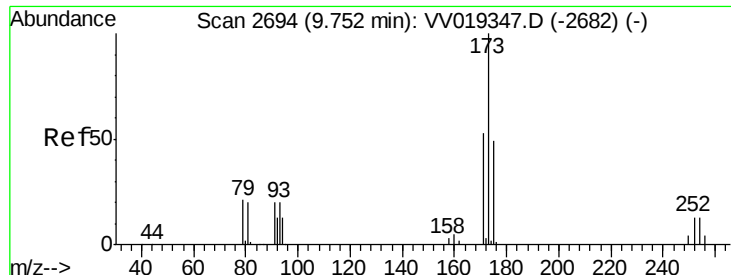
77 30.5 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VV019345.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV019345.D (-2240) (-)





#61

Bromoform

Concen: 3.970 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

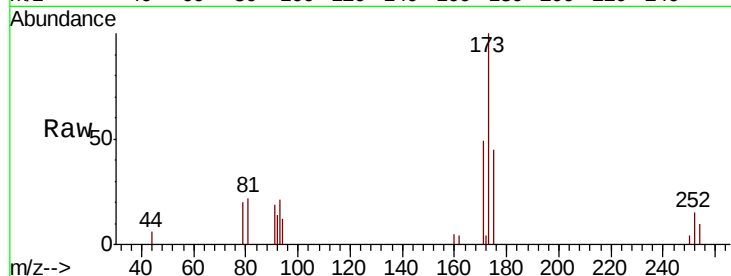
Tot Ion:173 Resp: 5415

Ion Ratio Lower Upper

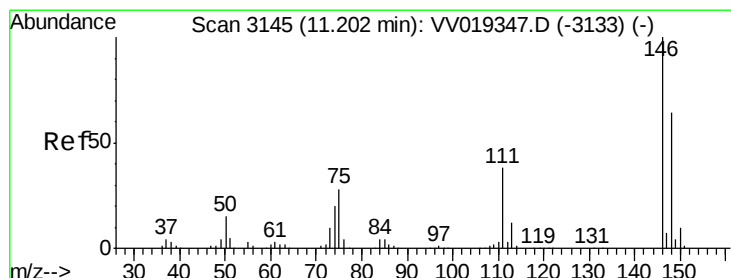
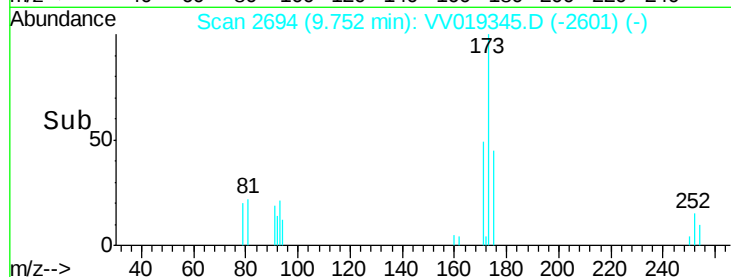
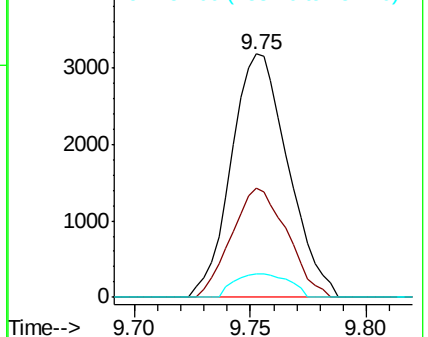
173 100

175 44.0 38.3 57.5

254 9.3 10.3 15.5#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 4.105 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019345.D

Acq: 12 Nov 2020 11:22

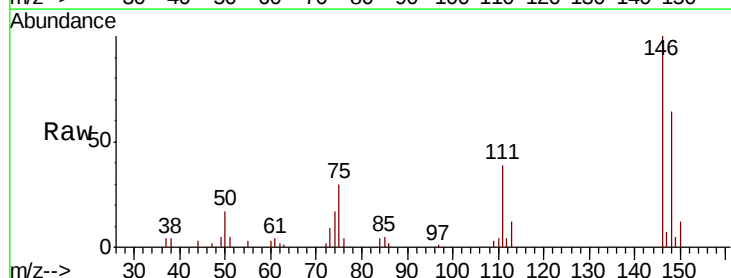
Tgt Ion:146 Resp: 14165

Ion Ratio Lower Upper

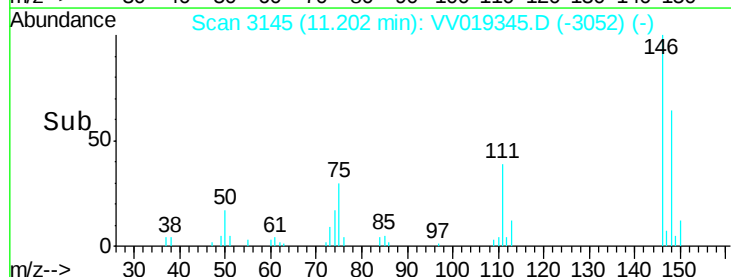
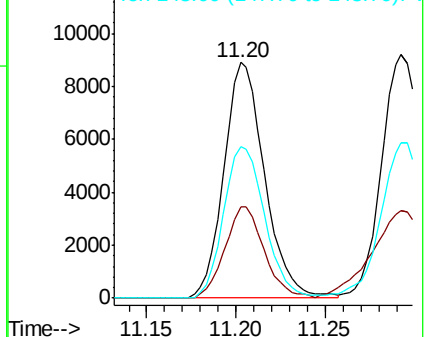
146 100

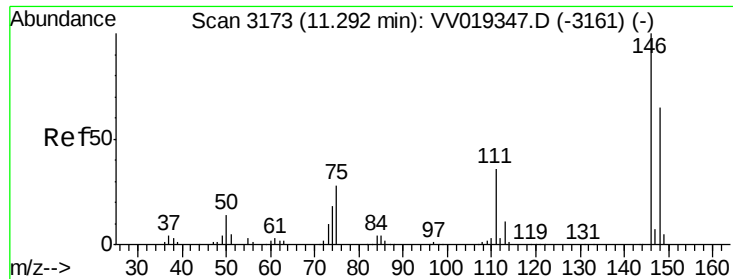
111 38.6 26.5 49.3

148 64.3 44.5 82.7



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

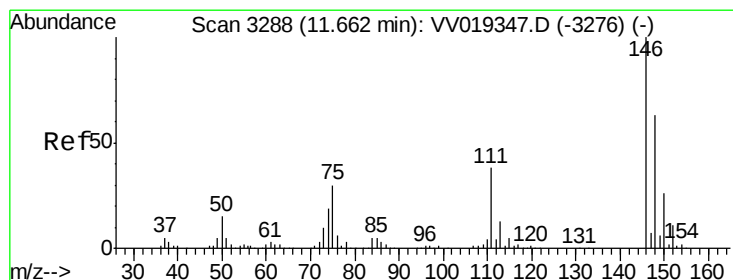
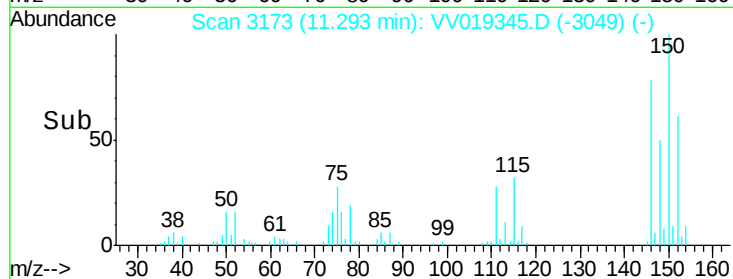
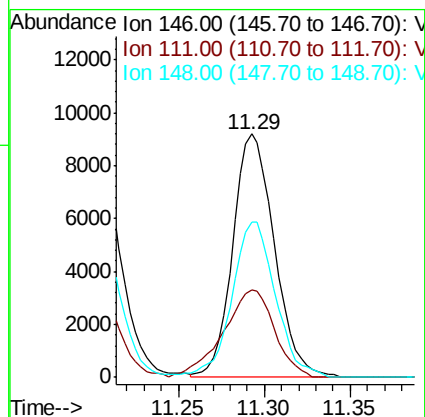
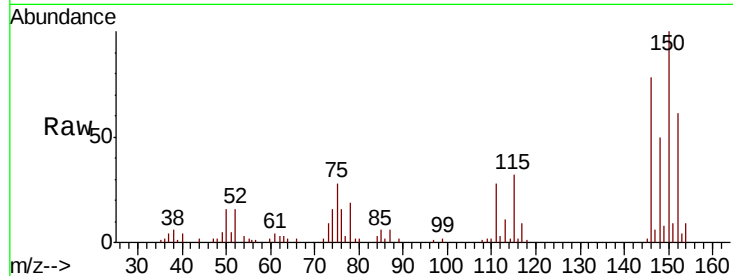




#63
 1,4-Dichlorobenzene
 Concen: 4.341 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

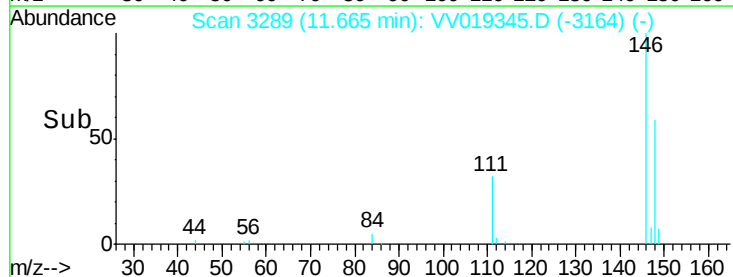
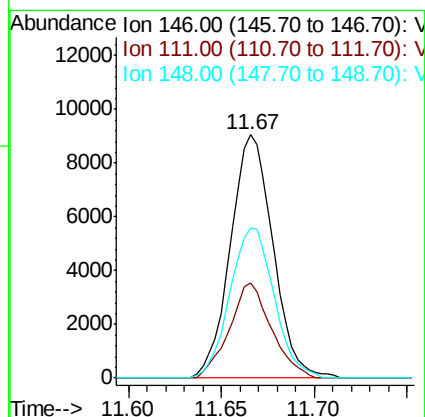
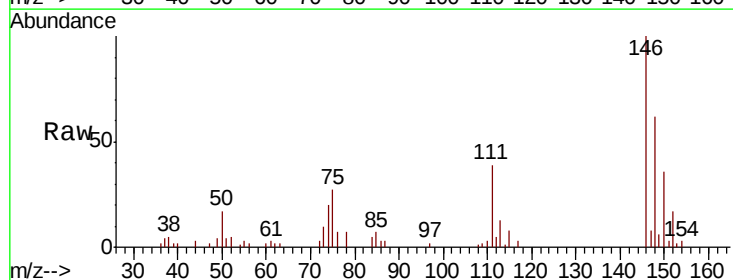
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

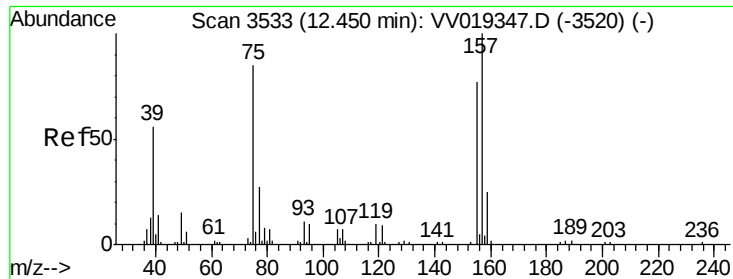
Tot Ion:146 Resp: 15528
 Ion Ratio Lower Upper
 146 100
 111 35.7 25.1 46.7
 148 63.9 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 4.219 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Tgt Ion:146 Resp: 14480
 Ion Ratio Lower Upper
 146 100
 111 39.1 30.6 45.8
 148 61.8 50.6 75.8

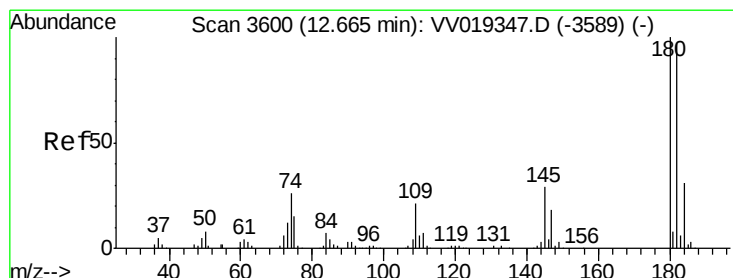
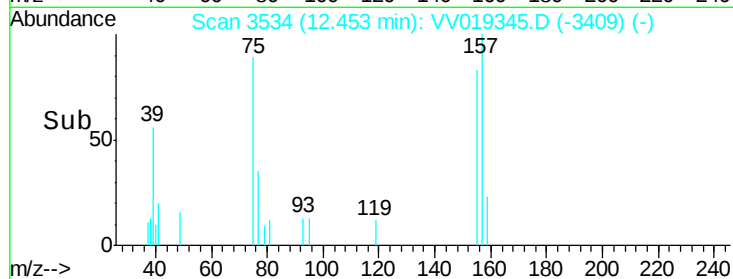
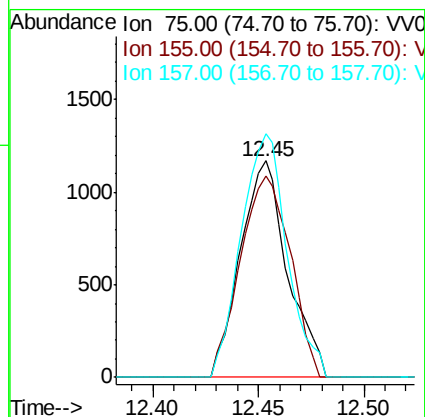
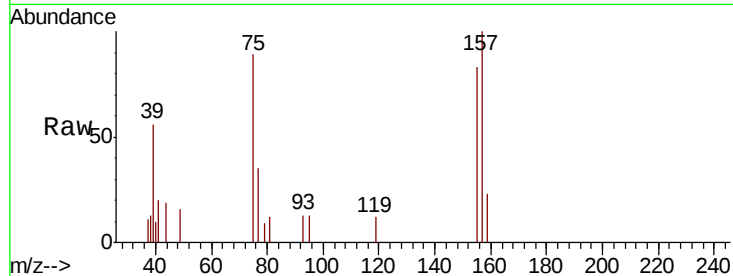




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.153 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

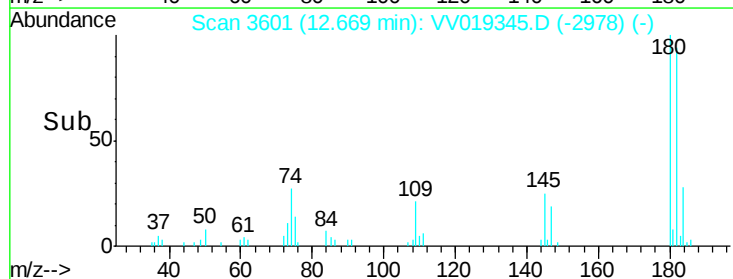
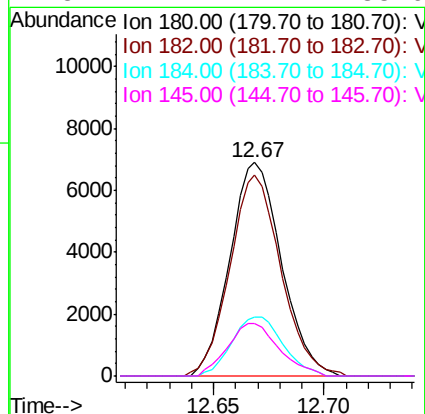
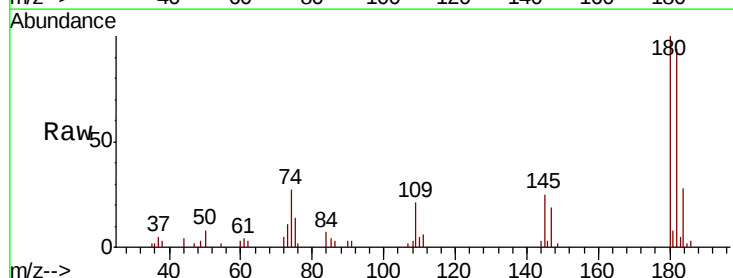
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

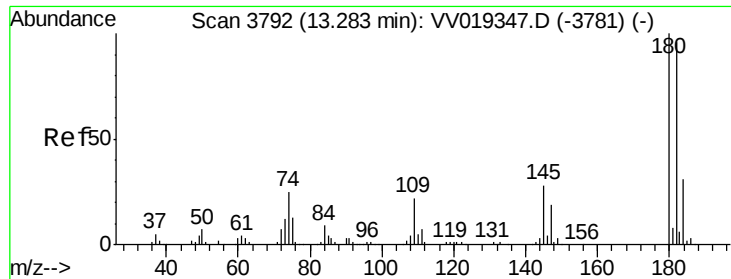
Tot Ion: 75 Resp: 1813
 Ion Ratio Lower Upper
 75 100
 155 93.2 72.2 108.2
 157 112.4 94.1 141.1



#67
 1,3,5-Trichlorobenzene
 Concen: 4.388 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Tgt Ion: 180 Resp: 11191
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.5 114.7
 184 27.4 24.6 36.8
 145 24.7 22.4 33.6

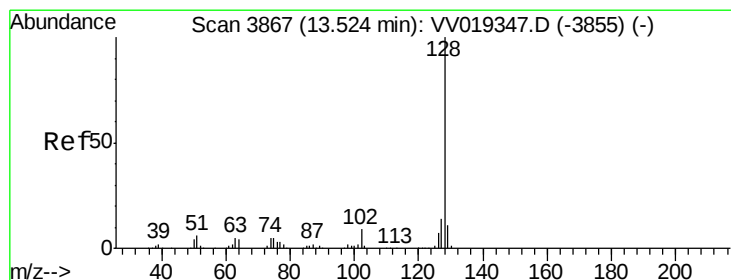
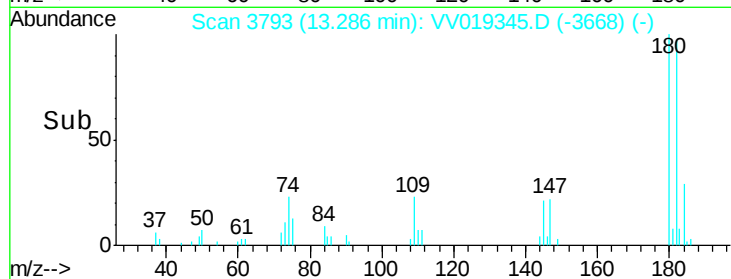
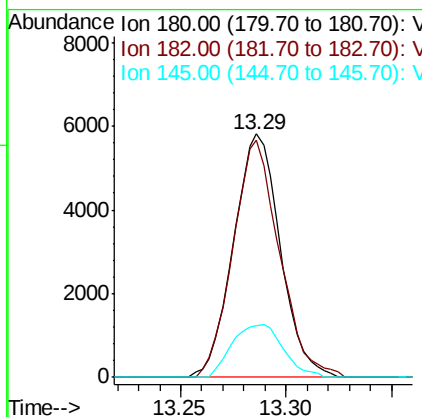
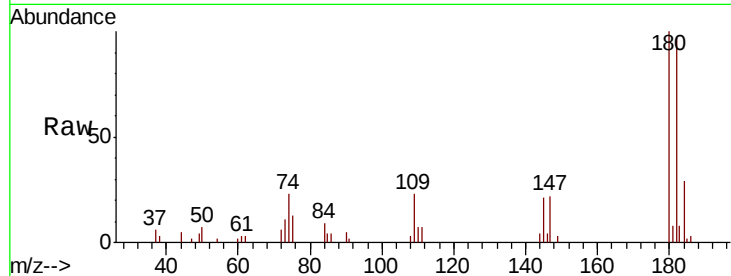




#68
 1,2,4-trichlorobenzene
 Concen: 3.775 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

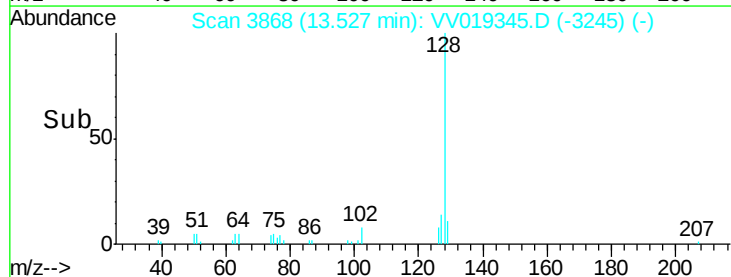
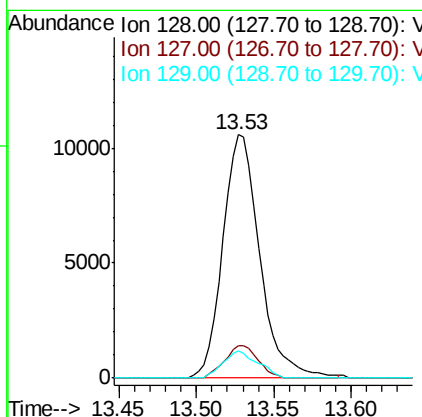
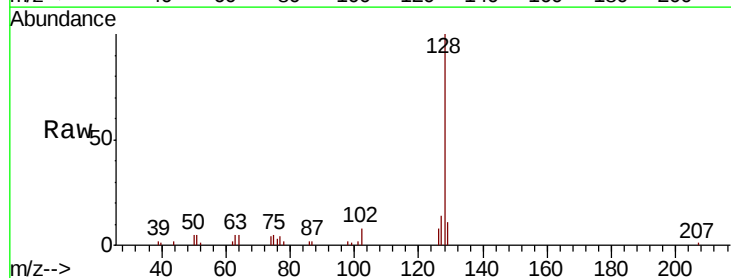
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

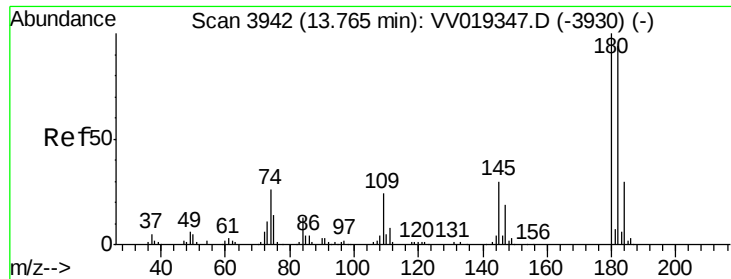
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
145	23.7	22.5	33.7



#69
 Naphthalene
 Concen: 2.728 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.9	16.3
129	10.5	8.7	13.1

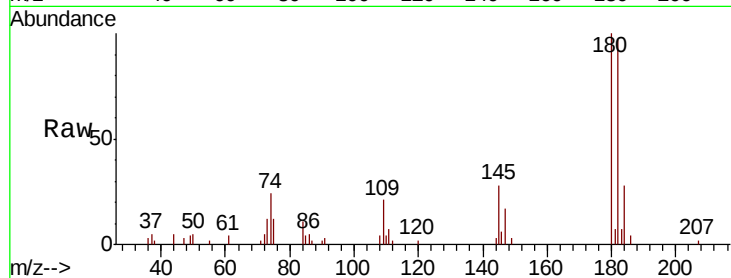




#70
 1,2,3-Trichlorobenzene
 Concen: 3.888 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019345.D
 Acq: 12 Nov 2020 11:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	26.4	24.2	36.2



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

