

Data File : VV014990.D
Acq On : 17 Mar 2020 21:51
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Quant Time: Mar 18 05:28:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	335363	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326492	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177507	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99449	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.58	69	74277	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.12	63	156806	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
21) 2-Butanone-d5	3.93	46	117152	86.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.00%
24) Chloroform-d	4.38	84	224170	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.32%
26) 1,2-Dichloroethane-d4	5.06	65	143056	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
32) Benzene-d6	5.08	84	438239	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.10	67	129237	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.50%
41) Toluene-d8	7.34	98	442454	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.64	79	69199	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.20%
47) 2-Hexanone-d5	8.12	63	121977	100.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189748	48.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	192267	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	143394	45.744	ug/L	98
3) Chloromethane	1.25	50	99356	44.038	ug/L	99
5) Vinyl chloride	1.32	62	96308	44.051	ug/L	98
6) Bromomethane	1.53	94	61529	43.900	ug/L	98
8) Chloroethane	1.60	64	53755	45.185	ug/L	97
9) Trichlorofluoromethane	1.76	101	160182	46.303	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	77787	45.025	ug/L	98
12) 1,1-Dichloroethene	2.13	96	72696	46.126	ug/L	86
13) Acetone	2.20	43	56029	41.625	ug/L	98
14) Carbon disulfide	2.31	76	236657	45.766	ug/L	99
15) Methyl Acetate	2.45	43	82391	47.389	ug/L	97
16) Methylene chloride	2.52	84	112667	47.250	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	105210	47.563	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	342754	48.483	ug/L	100
19) 1,1-Dichloroethane	3.21	63	189411	47.629	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	121229	48.104	ug/L	98
22) 2-Butanone	4.01	43	103489	76.533	ug/L	89

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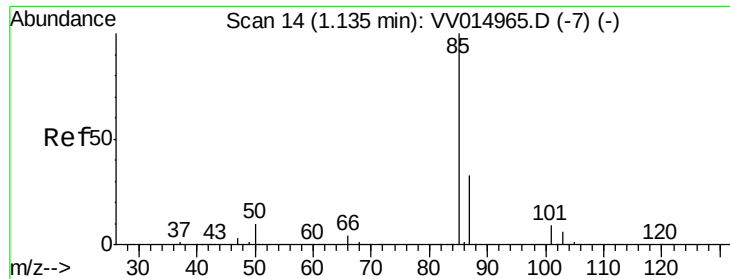
Quant Time: Mar 18 05:28:08 2020
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	65403	49.002	ug/L	94
25) Chloroform	4.41	83	214344	48.817	ug/L	100
27) 1,2-Dichloroethane	5.16	62	160252	48.431	ug/L	97
29) Cyclohexane	4.70	56	158795	47.090	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	192701	49.624	ug/L	100
31) Carbon tetrachloride	4.86	117	173007	49.974	ug/L	99
33) Benzene	5.13	78	435333	49.001	ug/L	100
34) Trichloroethene	5.94	95	116007	48.659	ug/L	98
35) Methylcyclohexane	6.16	83	180279	46.875	ug/L	98
37) 1,2-Dichloropropane	6.20	63	107858	48.450	ug/L	99
38) Bromodichloromethane	6.53	83	158559	50.244	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	179480	49.043	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	299856	100.129	ug/L	98
42) Toluene	7.41	91	498112	49.828	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	162913	50.031	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	116372	50.199	ug/L	98
46) Tetrachloroethene	8.00	164	108877	48.883	ug/L	98
48) 2-Hexanone	8.17	43	232669	97.820	ug/L	94
49) Dibromochloromethane	8.27	129	133089	51.037	ug/L	97
50) 1,2-Dibromoethane	8.37	107	126633	49.797	ug/L	99
51) Chlorobenzene	8.90	112	345588	50.201	ug/L	98
52) Ethylbenzene	9.03	91	567360	49.795	ug/L	99
53) m,p-Xylene	9.16	106	225190	50.929	ug/L	97
54) o-xylene	9.56	106	218884	49.932	ug/L	97
55) Styrene	9.58	104	376868	51.498	ug/L	100
56) Isopropylbenzene	9.95	105	584083	50.530	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	187808	48.971	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	152769	50.045	ug/L	98
61) Bromoform	9.75	173	98510	51.725	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	295899	50.585	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	329192	55.867	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	336064	57.514	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	44180	50.296	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	220485	48.075	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	256251	62.688	ug/L	99
69) Naphthalene	13.52	128	281483	53.605	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	214702	53.060	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 45.744 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

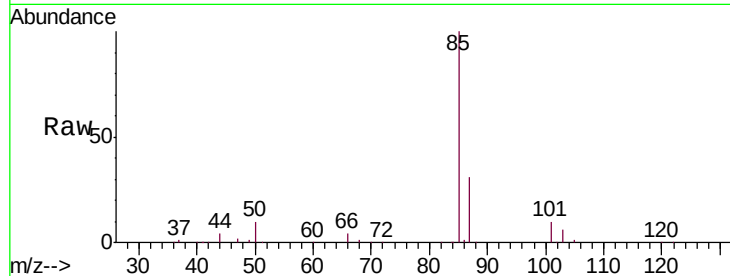
VSTD05095

Tgt Ion: 85 Resp: 143394

Ion Ratio Lower Upper

85 100

87 31.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014965.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014965.D (-7) (-)

1.14

150000

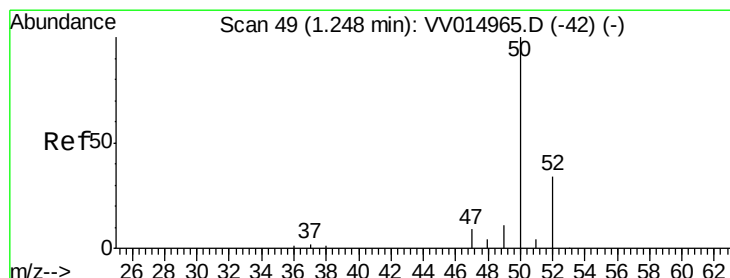
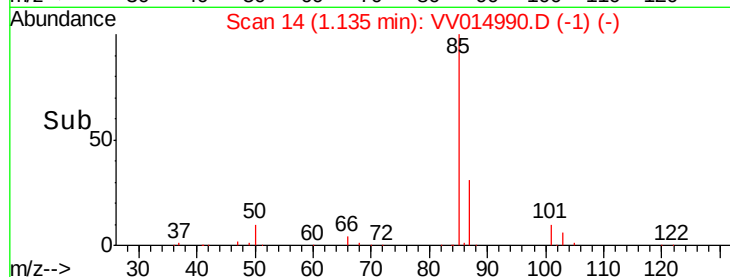
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 44.038 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014990.D

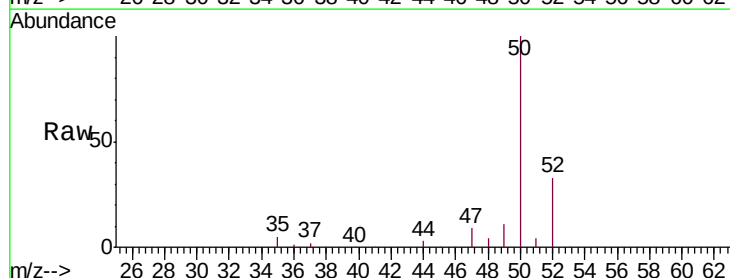
Acq: 17 Mar 2020 21:51

Tgt Ion: 50 Resp: 99356

Ion Ratio Lower Upper

50 100

52 32.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV014965.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014965.D (-42) (-)

1.25

100000

80000

60000

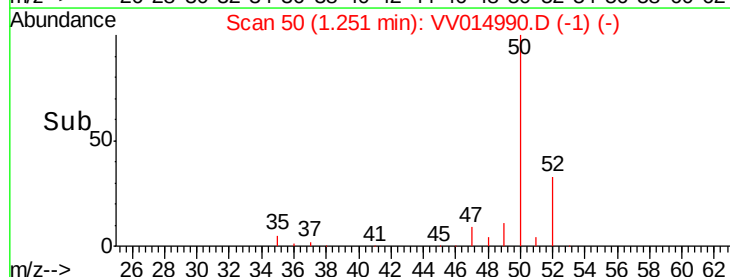
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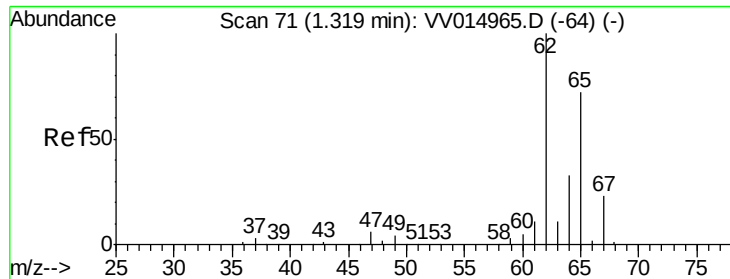
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 44.051 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

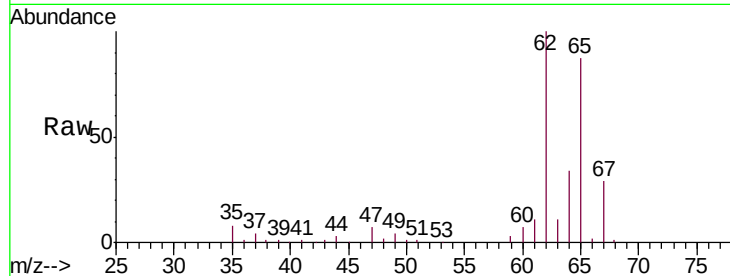
VSTD05095

Tgt Ion: 62 Resp: 96308

Ion Ratio Lower Upper

62 100

64 33.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV014965.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV014990.D (-64) (-)

1.32

100000

80000

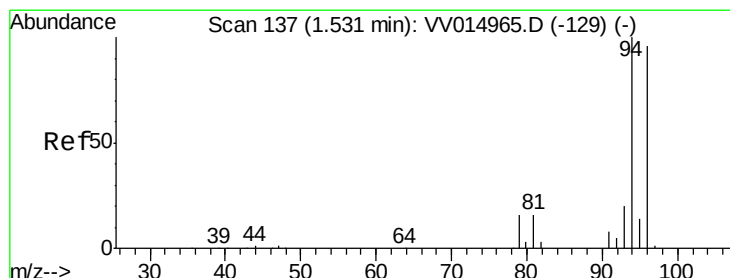
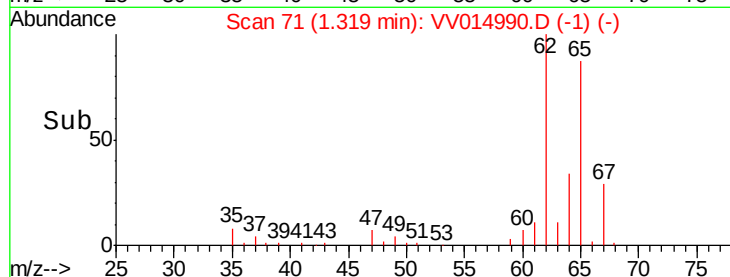
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 43.900 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014990.D

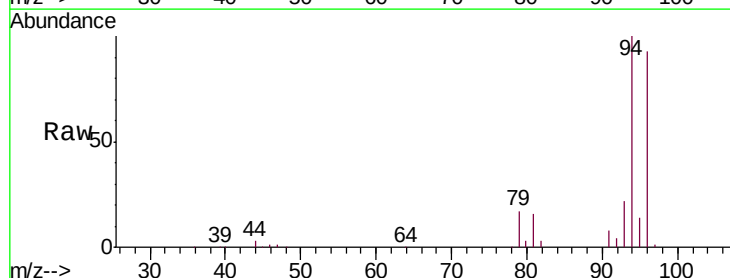
Acq: 17 Mar 2020 21:51

Tgt Ion: 94 Resp: 61529

Ion Ratio Lower Upper

94 100

96 93.4 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV014965.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014990.D (-129) (-)

1.53

60000

50000

40000

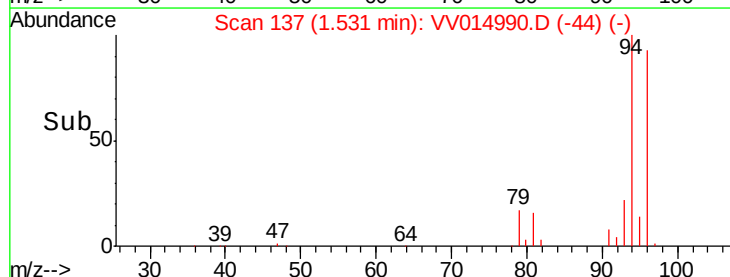
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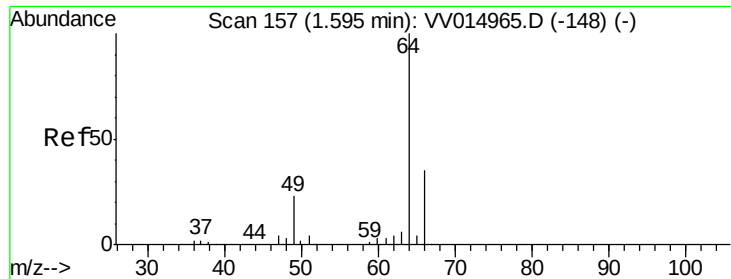
20000

10000

0

Time--> 1.50 1.55 1.60

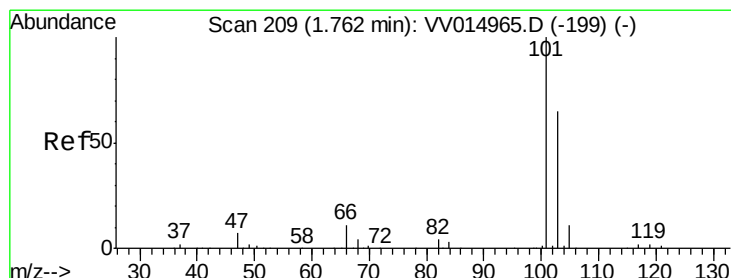
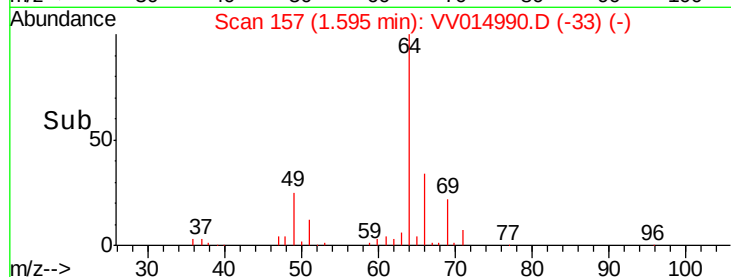
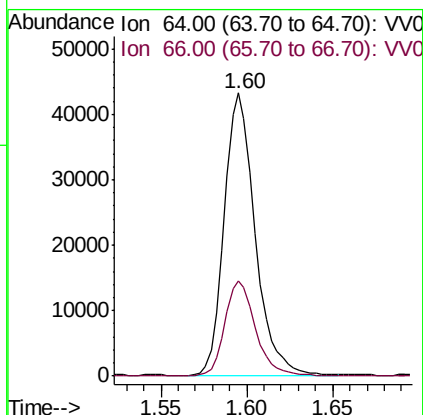
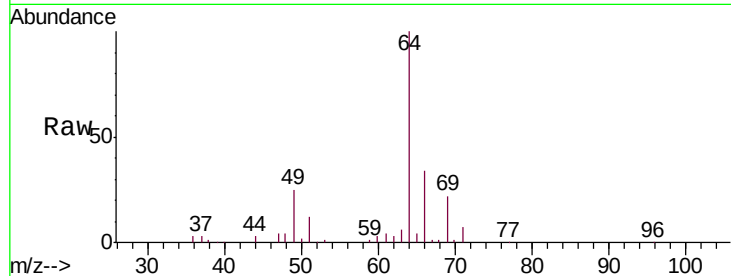




#8
Chloroethane
Concen: 45.185 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

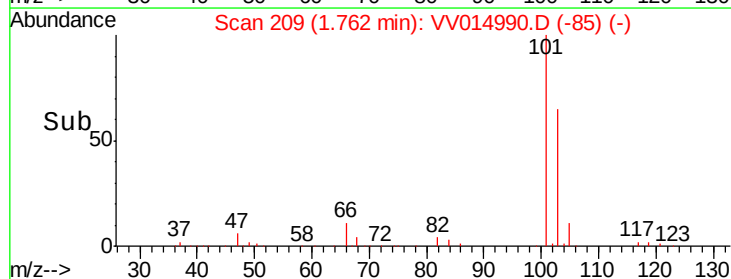
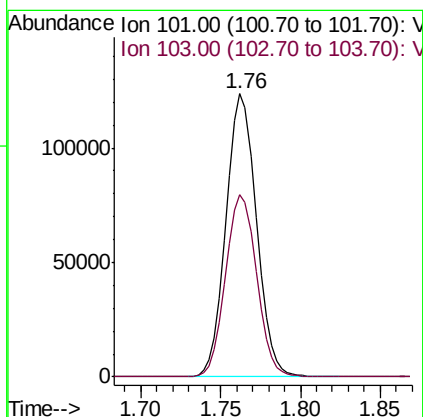
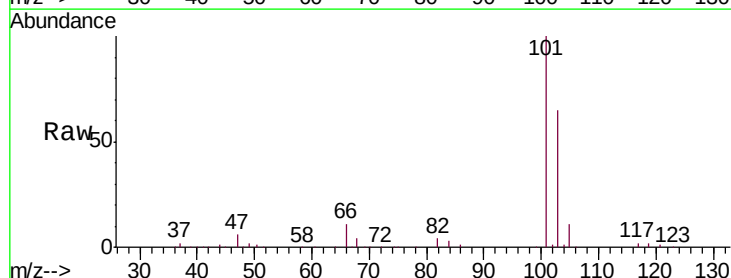
Instrument :
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VSTD05095

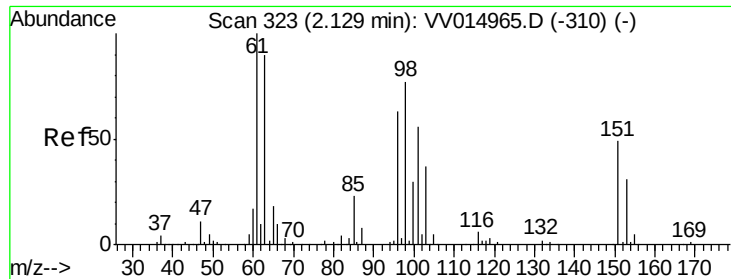
Tgt Ion: 64 Resp: 53755
Ion Ratio Lower Upper
64 100
66 33.9 22.7 42.1



#9
Trichlorofluoromethane
Concen: 46.303 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 101 Resp: 160182
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9





#10

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

Concen: 45.025 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampled :

VSTD05095

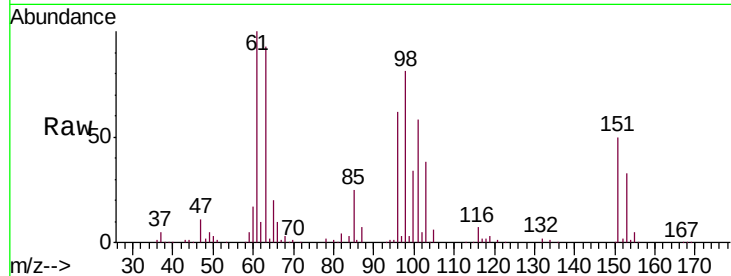
Tgt Ion:101 Resp: 77787

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

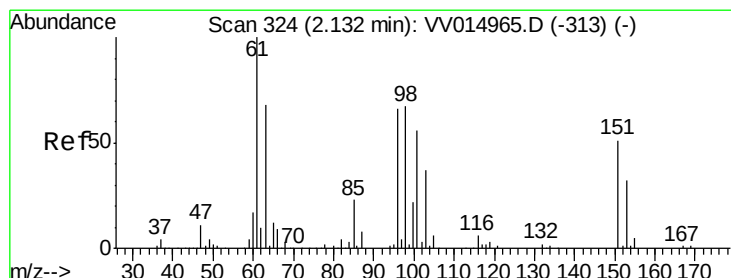
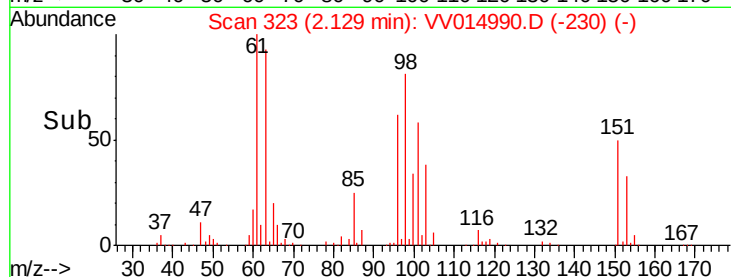
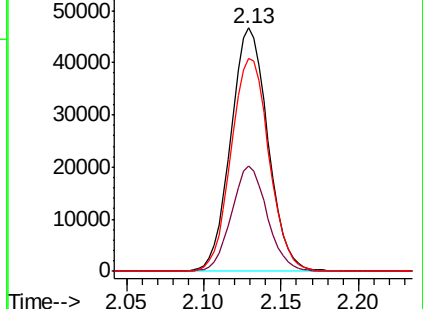
151 89.3 70.1 105.1



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: 46.126 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

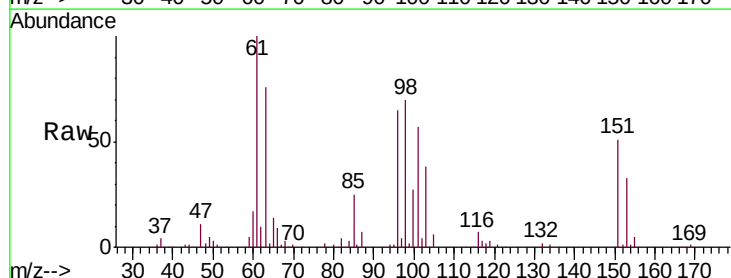
Tgt Ion: 96 Resp: 72696

Ion Ratio Lower Upper

96 100

61 153.9 115.7 214.9

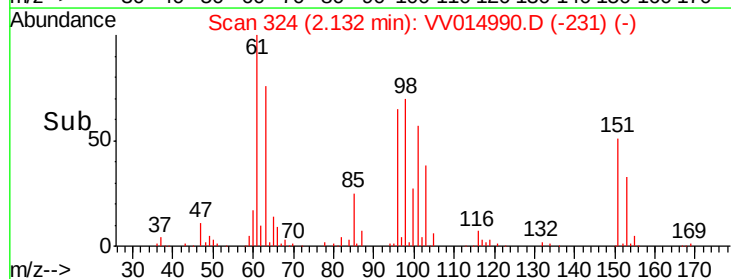
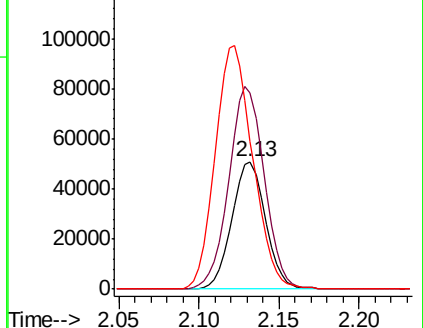
63 116.4 99.2 184.2

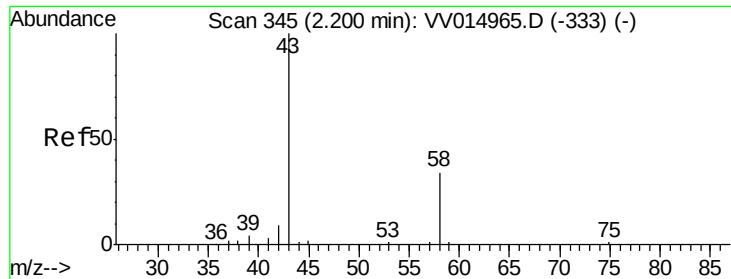


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 41.625 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

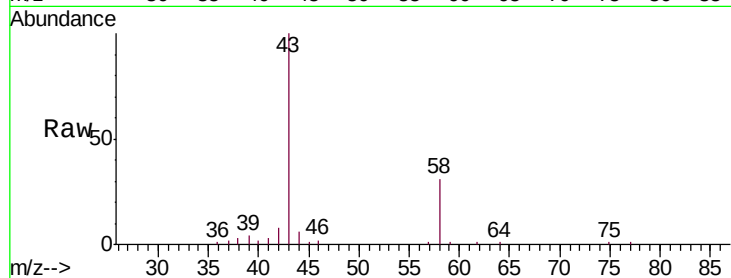
VSTD05095

Tgt Ion: 43 Resp: 56029

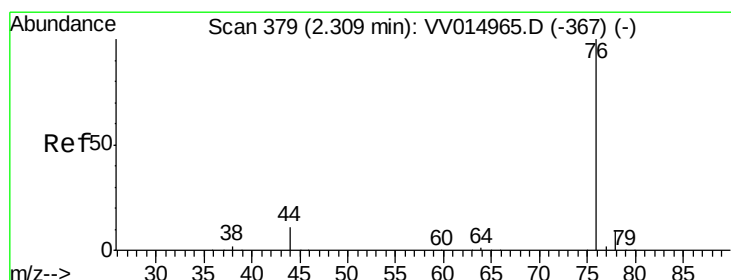
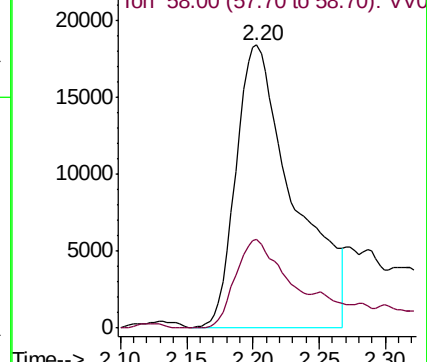
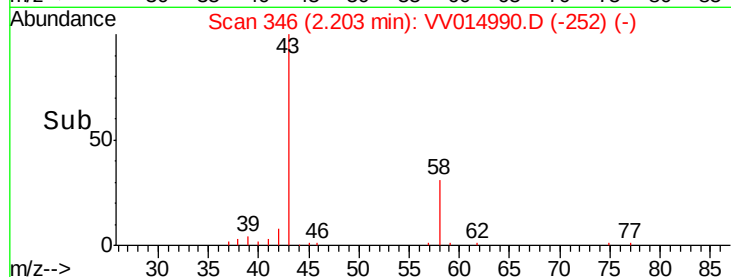
Ion Ratio Lower Upper

43 100

58 26.9 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014990.D (-252) (-)



#14

Carbon disulfide

Concen: 45.766 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014990.D

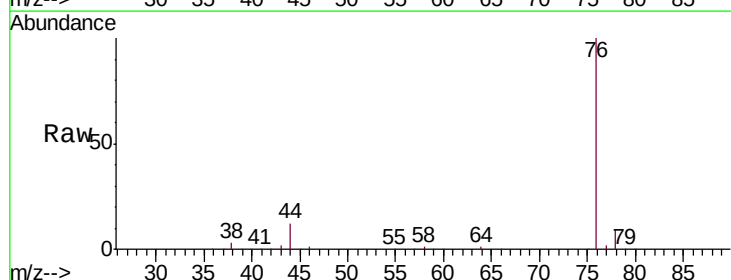
Acq: 17 Mar 2020 21:51

Tgt Ion: 76 Resp: 236657

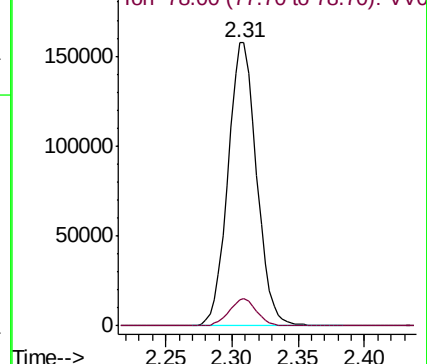
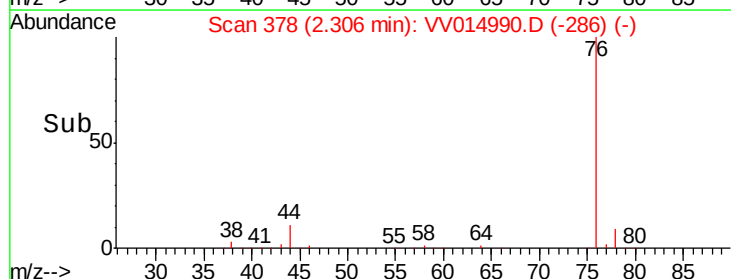
Ion Ratio Lower Upper

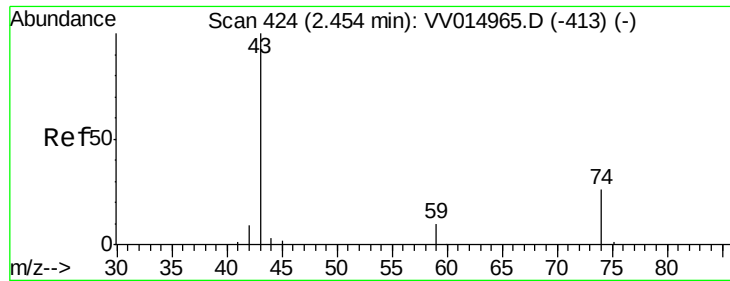
76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014990.D (-286) (-)

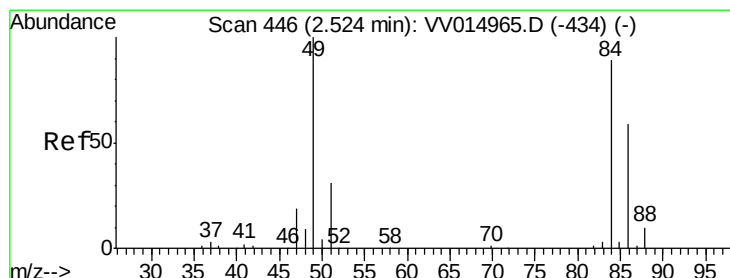
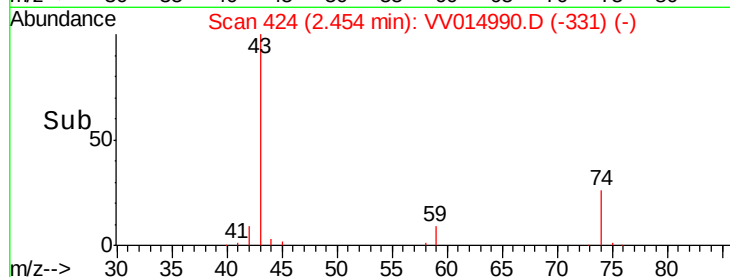
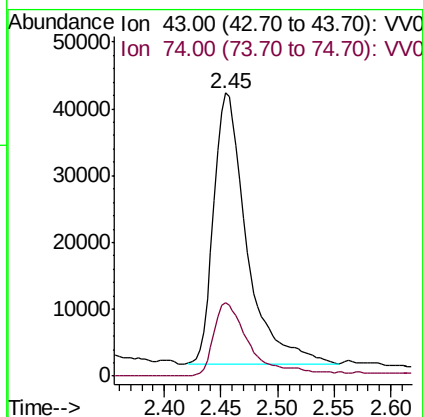
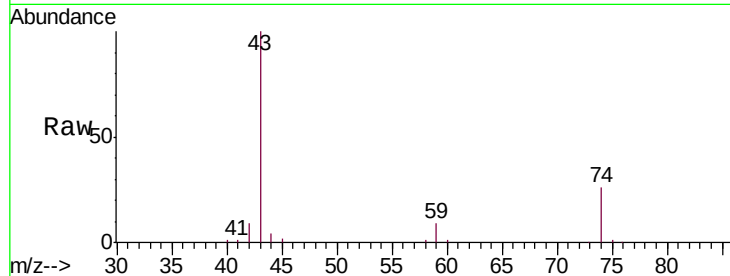




#15
Methyl Acetate
Concen: 47.389 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

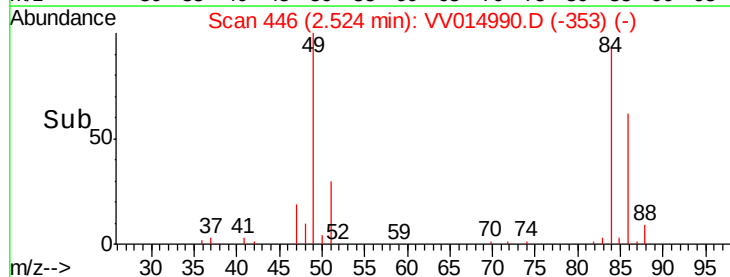
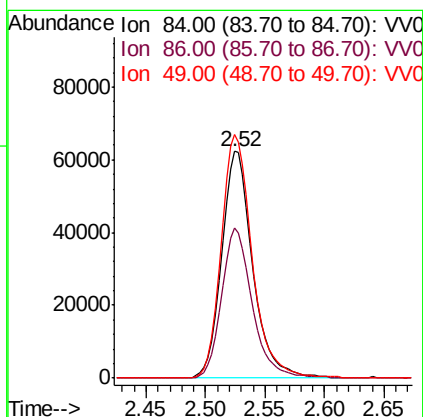
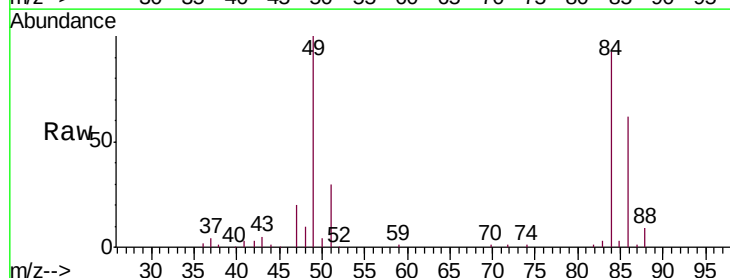
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

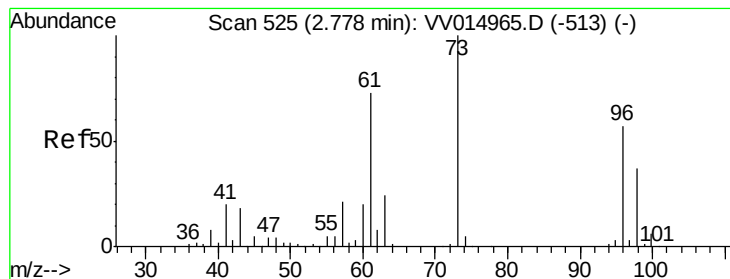
Tgt Ion: 43 Resp: 82391
Ion Ratio Lower Upper
43 100
74 29.6 22.4 33.6



#16
Methylene chloride
Concen: 47.250 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 84 Resp: 112667
Ion Ratio Lower Upper
84 100
86 66.2 44.6 82.8
49 107.4 76.9 142.9





#17

trans-1,2-Dichloroethene

Concen: 47.563 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

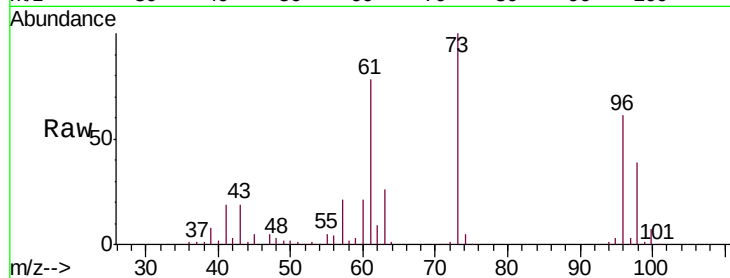
Tgt Ion: 96 Resp: 105210

Ion Ratio Lower Upper

96 100

61 128.0 87.9 163.3

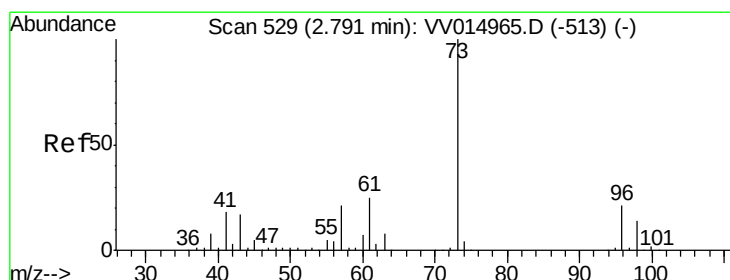
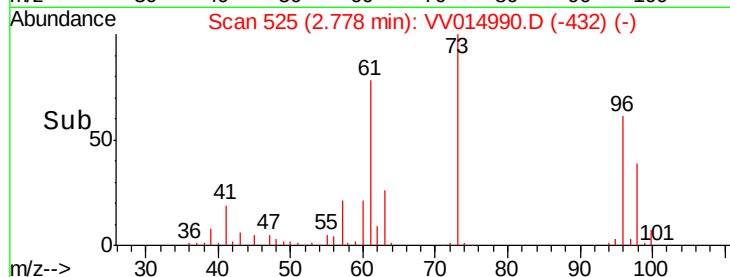
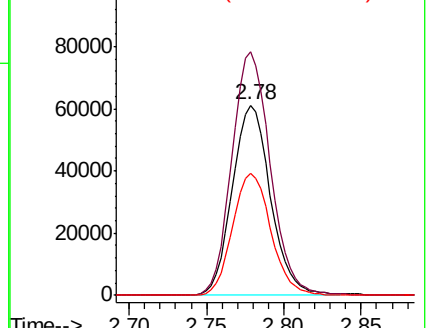
98 64.0 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.483 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

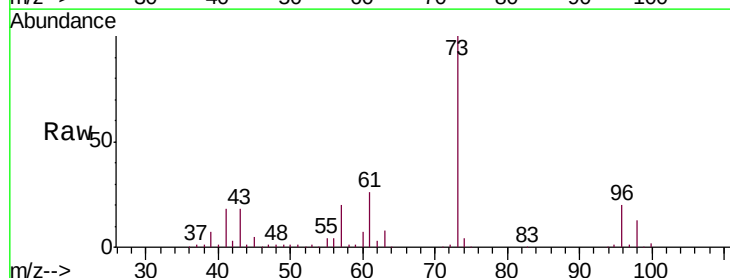
Tgt Ion: 73 Resp: 342754

Ion Ratio Lower Upper

73 100

43 17.8 14.4 21.6

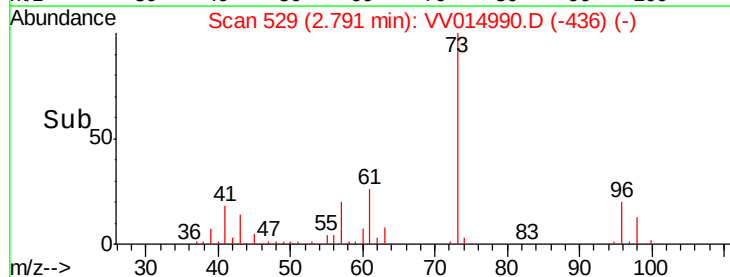
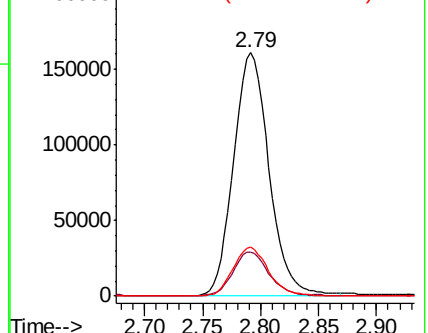
57 20.0 16.0 24.0

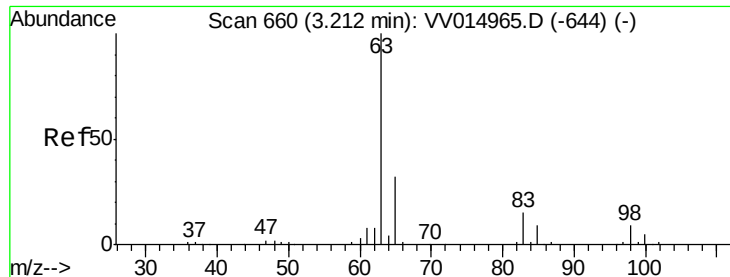


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

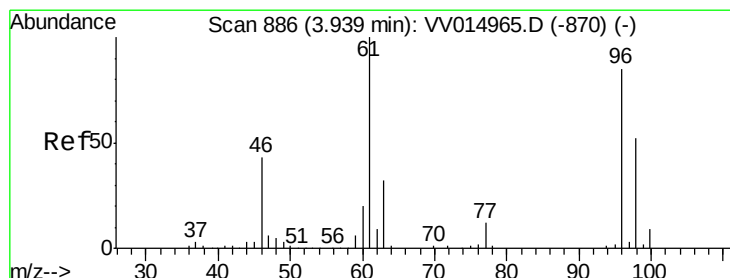
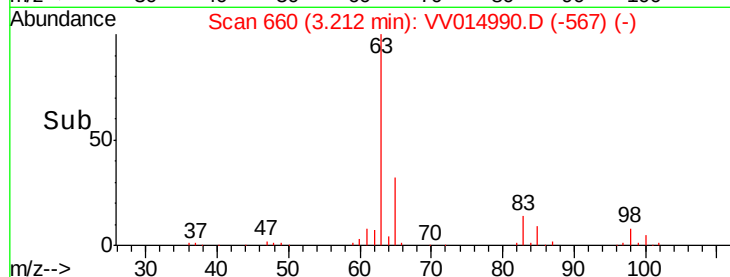
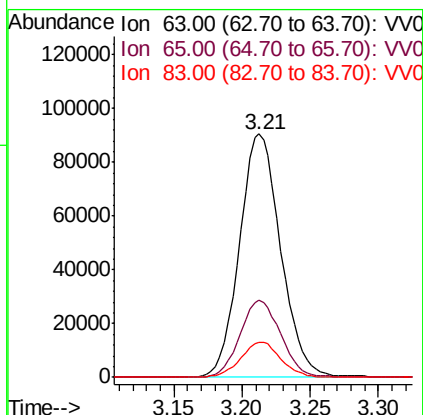
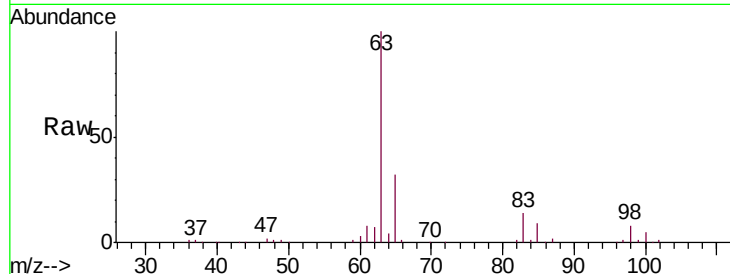




#19
 1,1-Dichloroethane
 Concen: 47.629 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

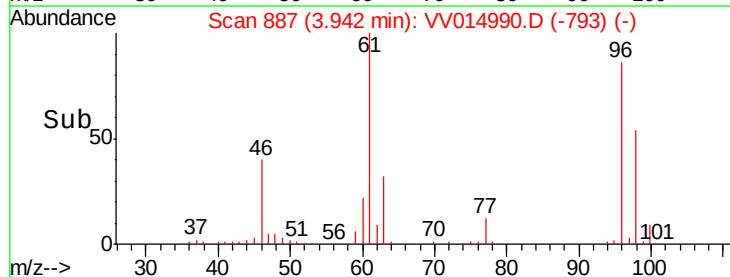
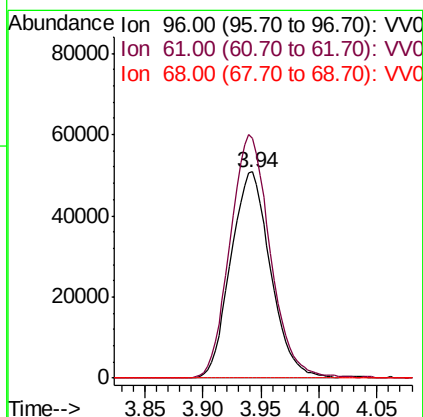
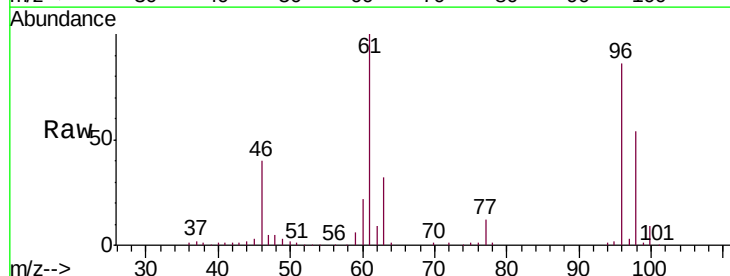
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

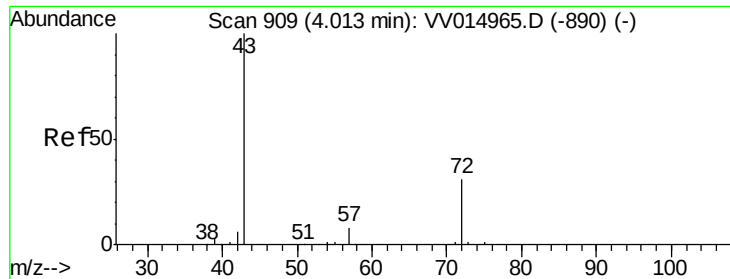
Tgt Ion: 63 Resp: 189411
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.3
 83 14.4 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.104 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 96 Resp: 121229
 Ion Ratio Lower Upper
 96 100
 61 116.4 80.2 149.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 76.533 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

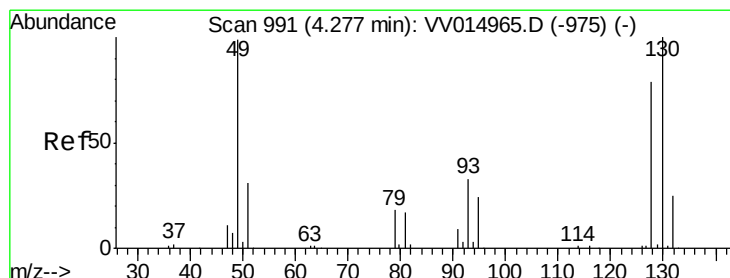
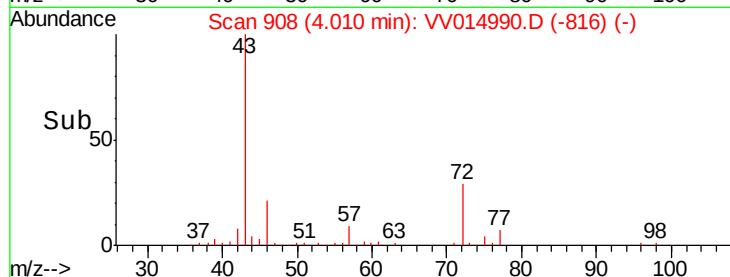
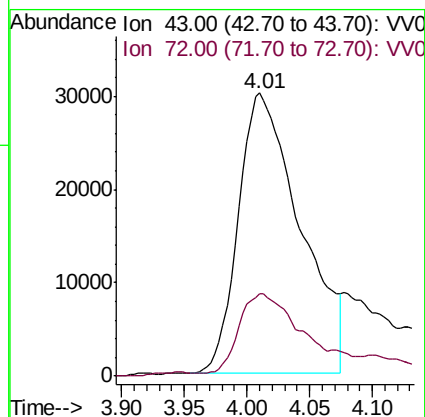
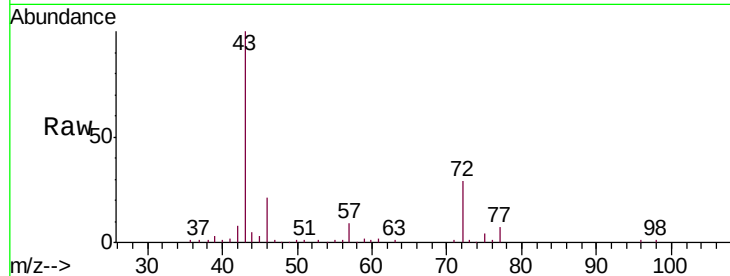
VSTD05095

Tgt Ion: 43 Resp: 103489

Ion Ratio Lower Upper

43 100

72 26.8 10.9 32.6



#23

Bromochloromethane

Concen: 49.002 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Tgt Ion: 128 Resp: 65403

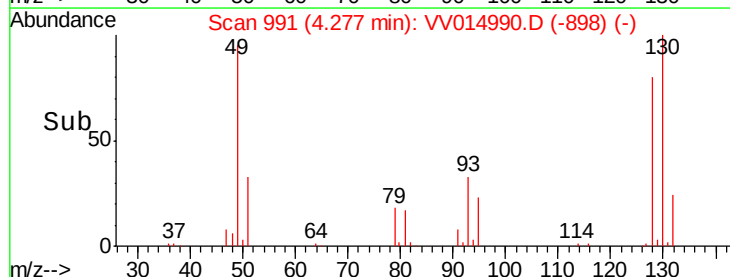
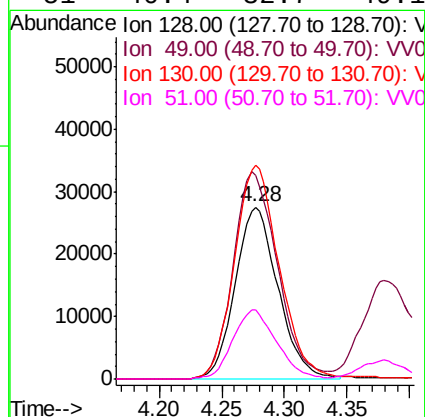
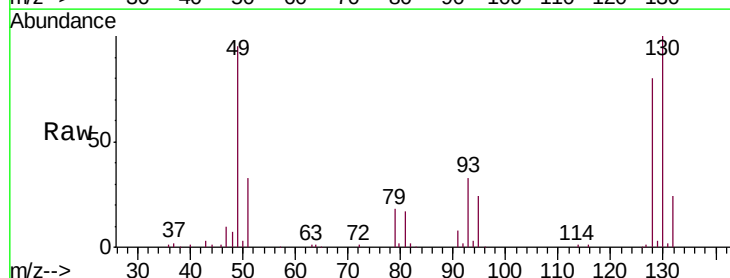
Ion Ratio Lower Upper

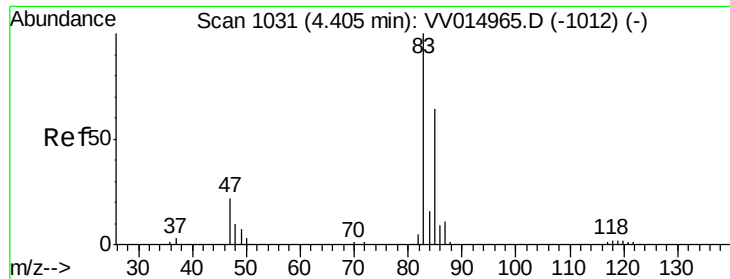
128 100

49 118.5 90.4 167.8

130 124.3 90.4 168.0

51 40.4 32.7 49.1

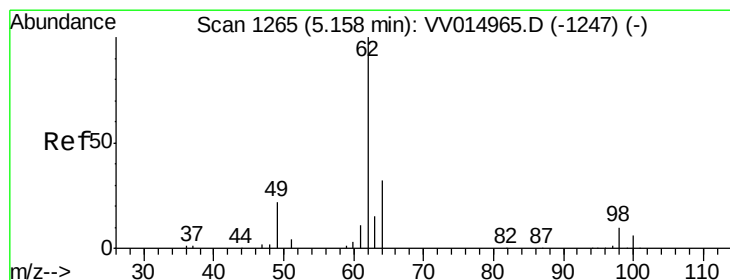
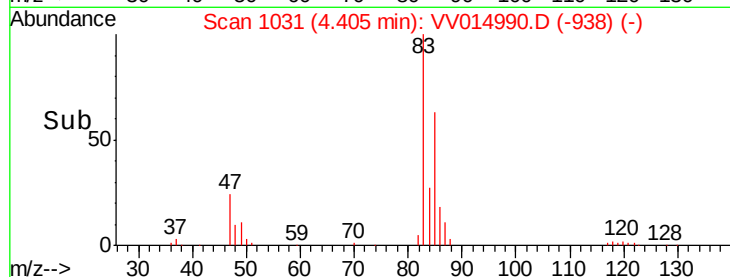
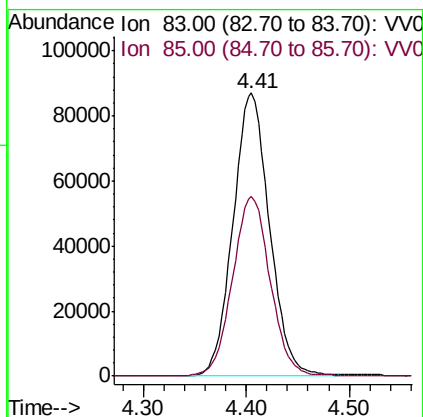
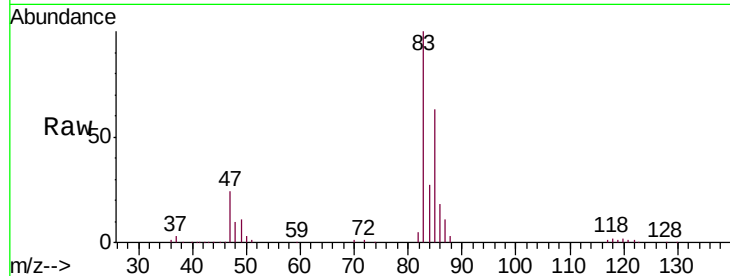




#25
Chloroform
Concen: 48.817 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

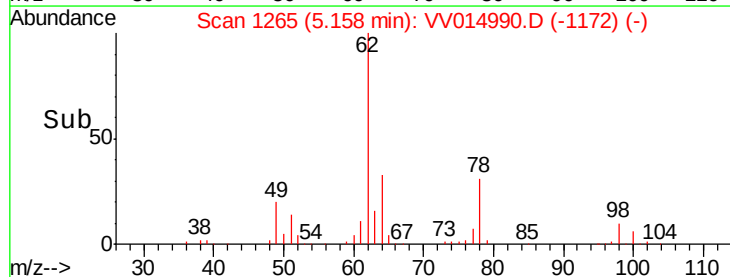
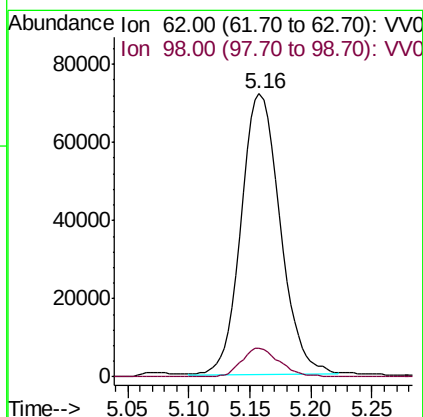
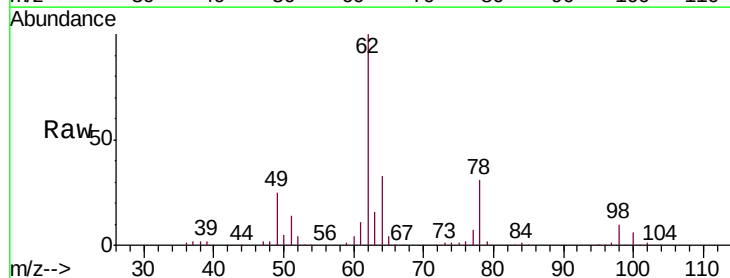
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

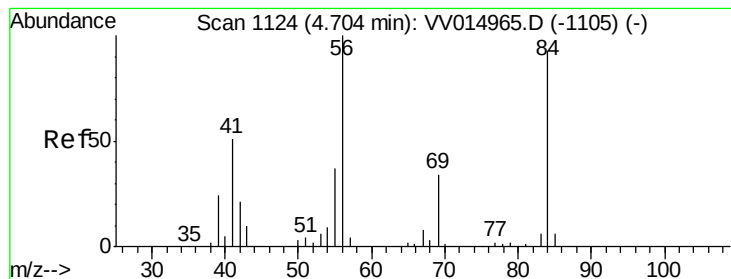
Tgt Ion: 83 Resp: 214344
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.431 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 62 Resp: 160252
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.0





#29

Cyclohexane

Concen: 47.090 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

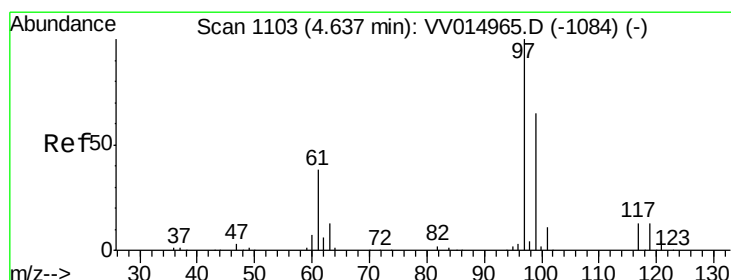
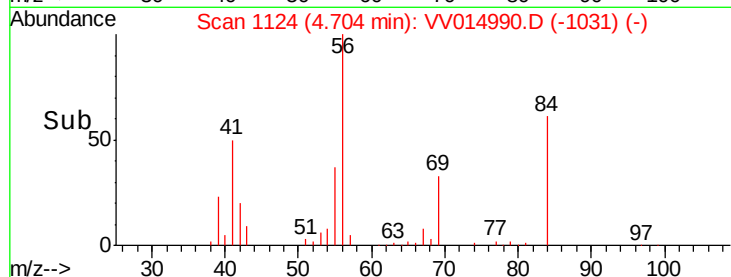
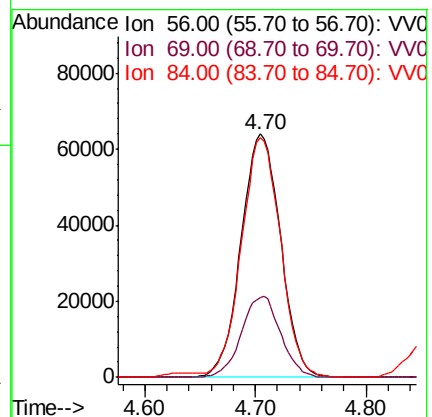
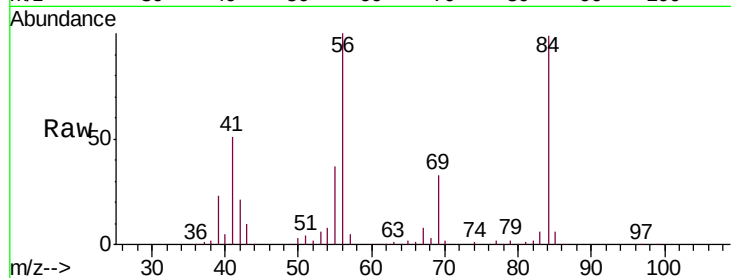
Tgt Ion: 56 Resp: 158795

Ion Ratio Lower Upper

56 100

69 33.0 25.2 37.8

84 97.3 76.4 114.6



#30

1,1,1-Trichloroethane

Concen: 49.624 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

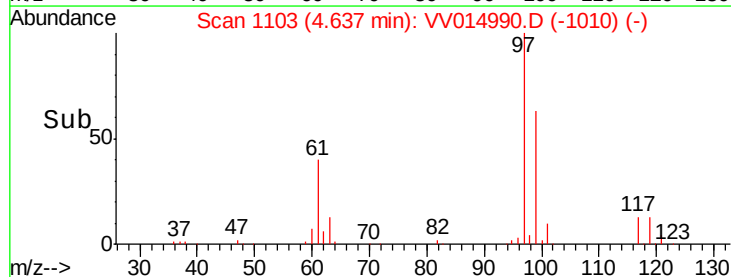
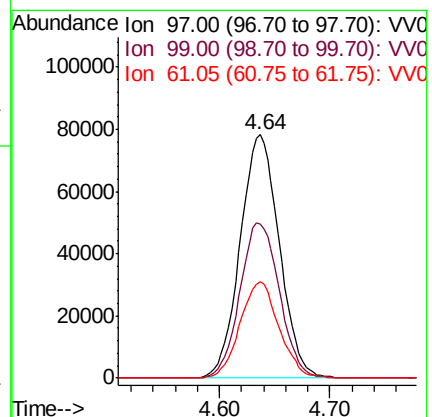
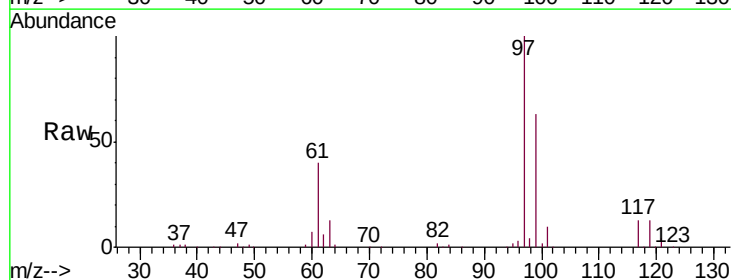
Tgt Ion: 97 Resp: 192701

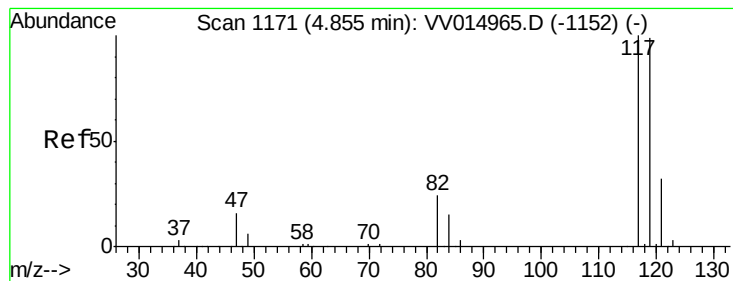
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 39.5 32.0 48.0





#31

Carbon tetrachloride

Concen: 49.974 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

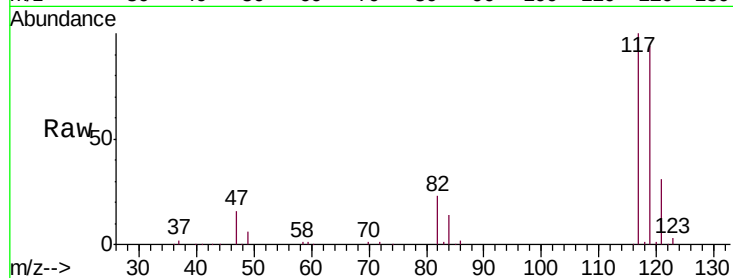
VSTD05095

Tgt Ion:117 Resp: 173007

Ion Ratio Lower Upper

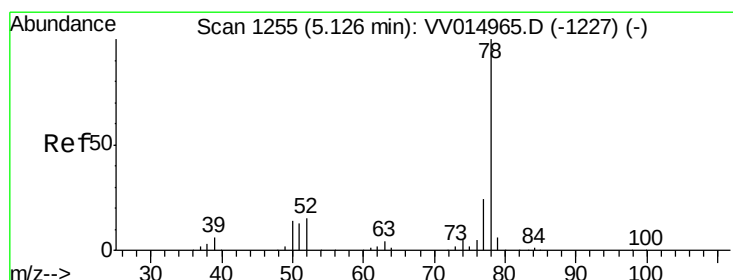
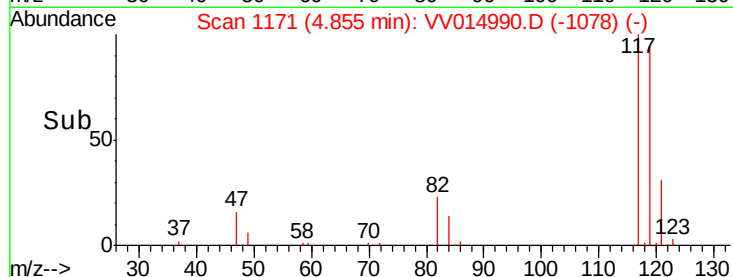
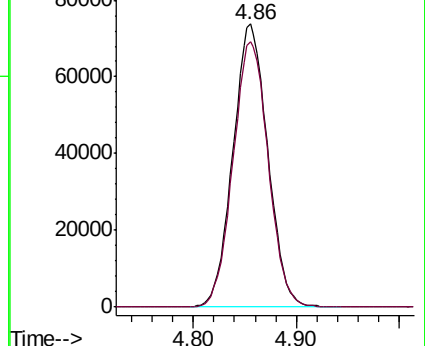
117 100

119 94.4 75.9 113.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.001 ug/L

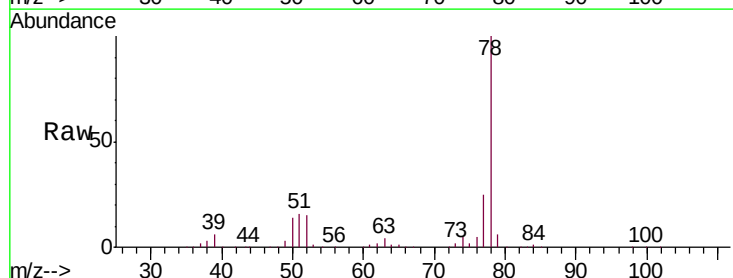
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

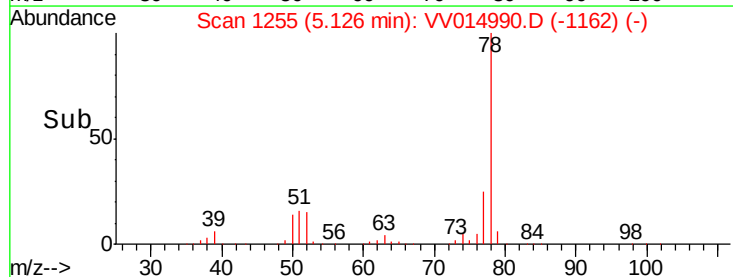
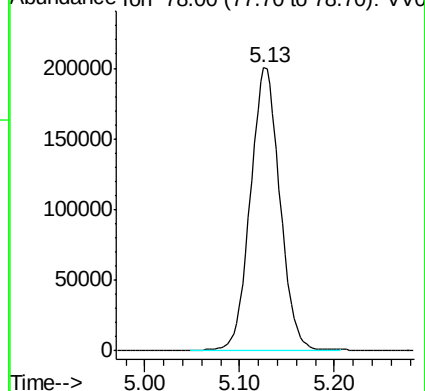
Lab File: VV014990.D

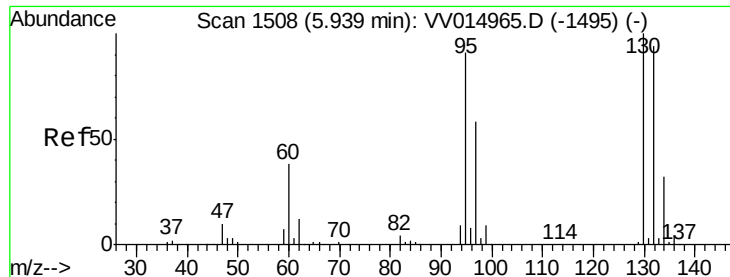
Acq: 17 Mar 2020 21:51

Tgt Ion: 78 Resp: 435333



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.659 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tgt Ion: 95 Resp: 116007

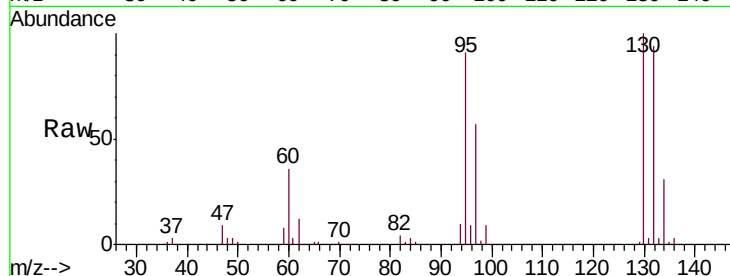
Ion Ratio Lower Upper

95 100

97 62.5 44.4 82.4

132 103.5 72.4 134.4

130 110.4 74.1 137.5

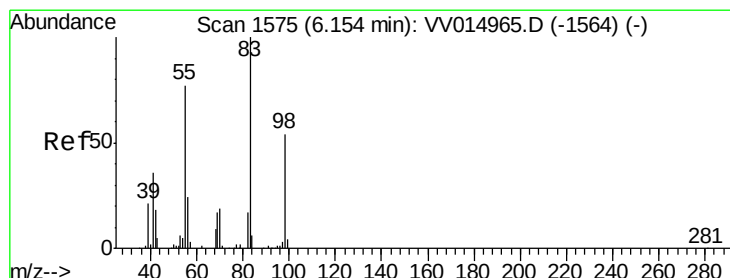
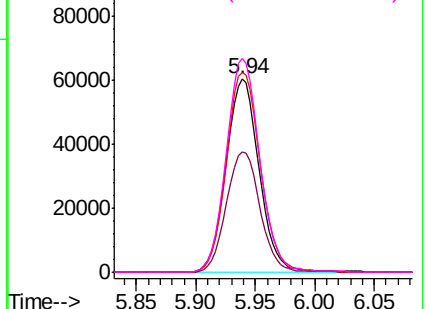
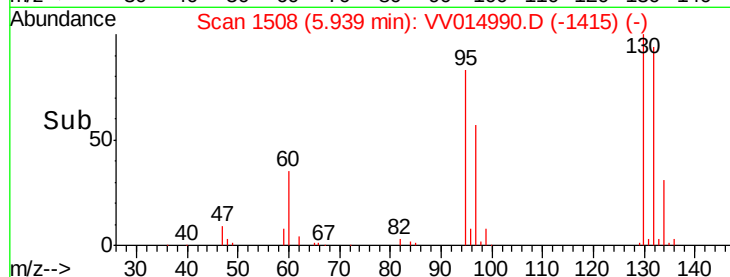


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.875 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

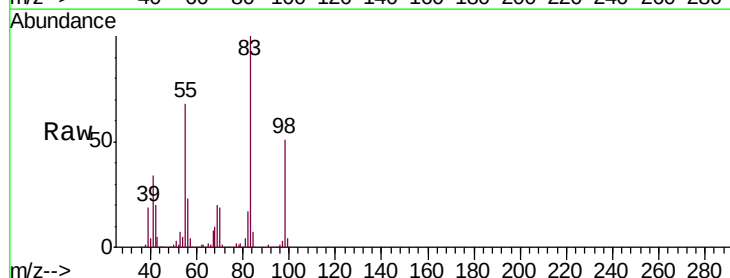
Tgt Ion: 83 Resp: 180279

Ion Ratio Lower Upper

83 100

55 70.2 57.5 86.3

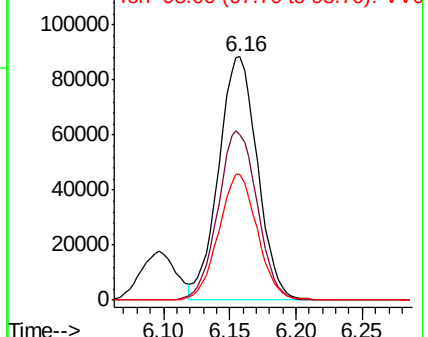
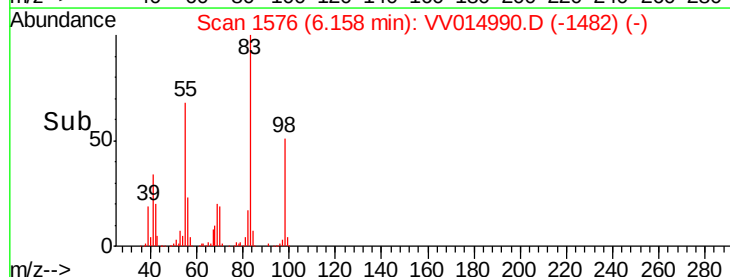
98 51.3 39.5 59.3

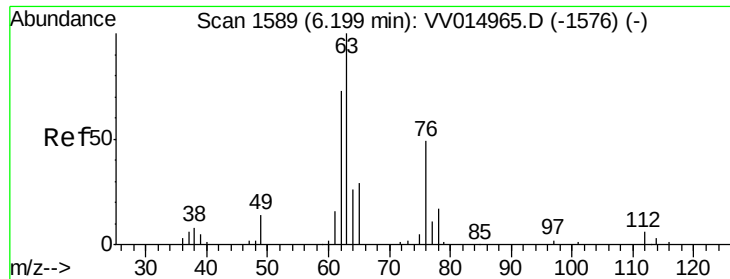


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

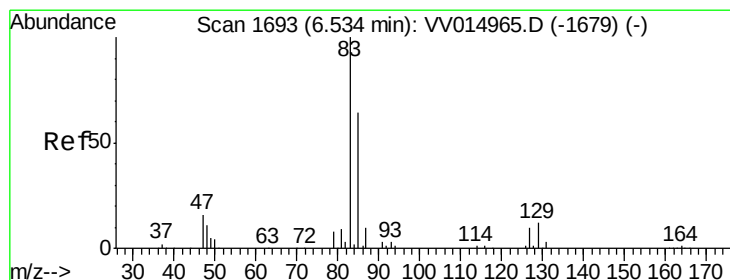
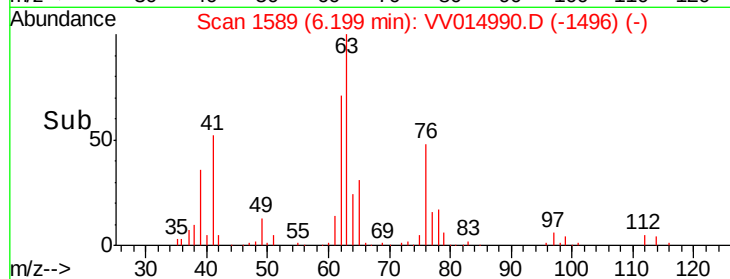
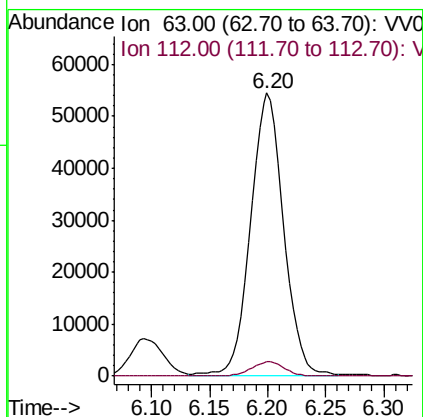
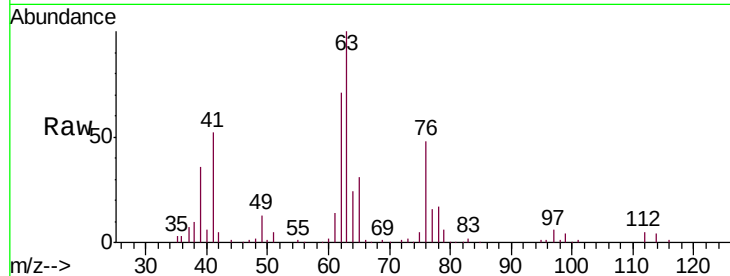




#37
 1,2-Dichloropropane
 Concen: 48.450 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

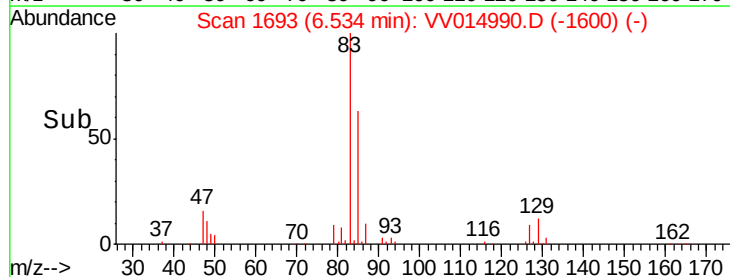
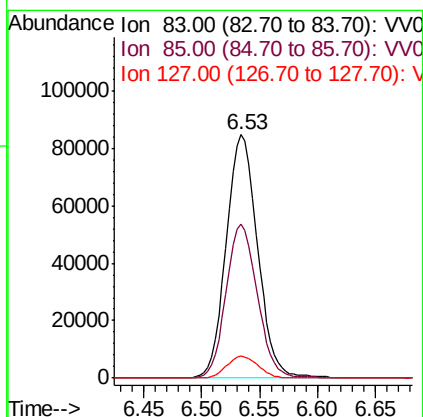
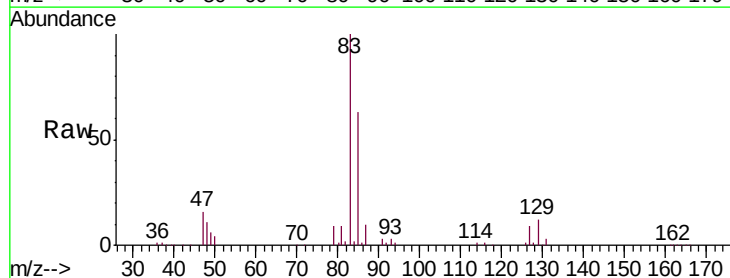
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

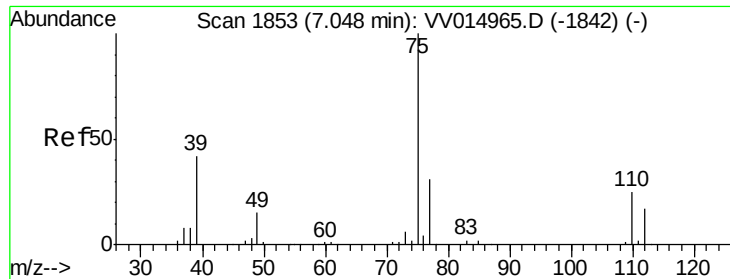
Tgt Ion: 63 Resp: 107858
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.4 6.6



#38
 Bromodichloromethane
 Concen: 50.244 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 83 Resp: 158559
 Ion Ratio Lower Upper
 83 100
 85 63.3 46.0 85.4
 127 9.1 7.5 11.3

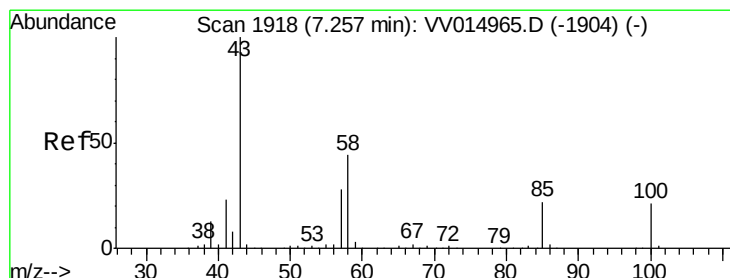
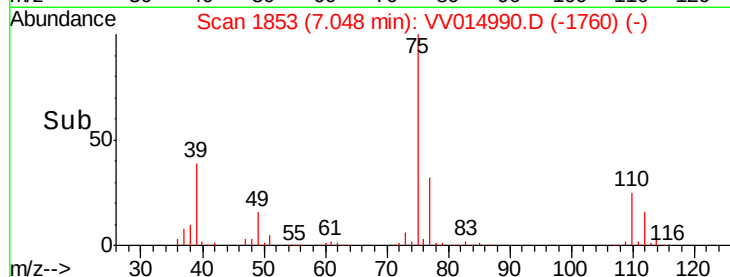
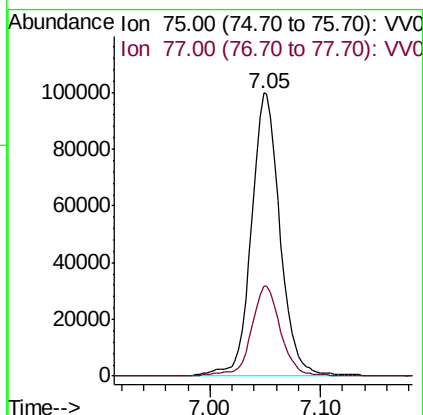
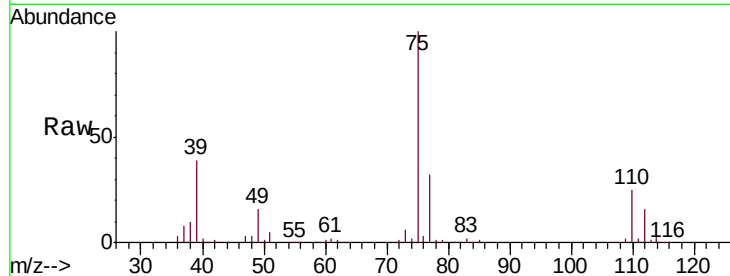




#39
 cis-1,3-Dichloropropene
 Concen: 49.043 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

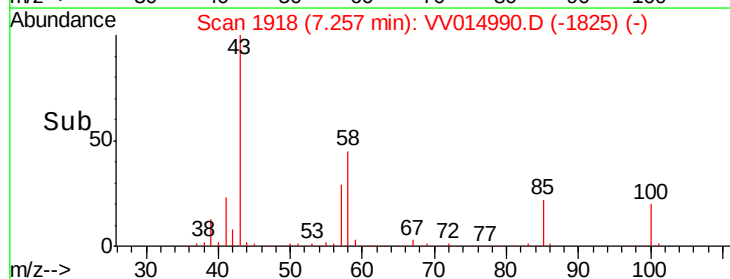
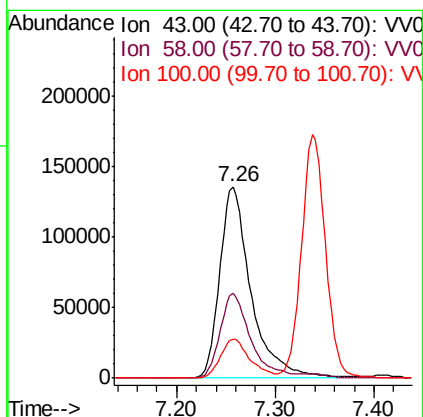
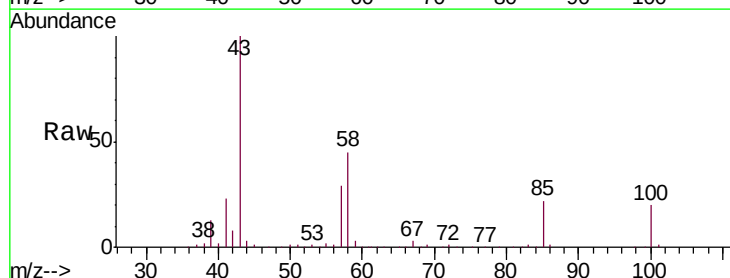
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05095

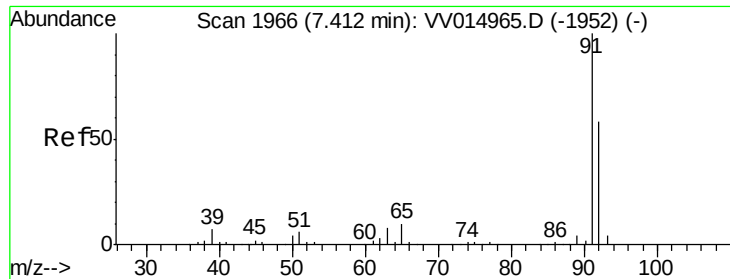
Tgt Ion: 75 Resp: 179480
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 100.129 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 43 Resp: 299856
 Ion Ratio Lower Upper
 43 100
 58 43.5 33.9 50.9
 100 19.5 15.1 22.7





#42

Toluene

Concen: 49.828 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

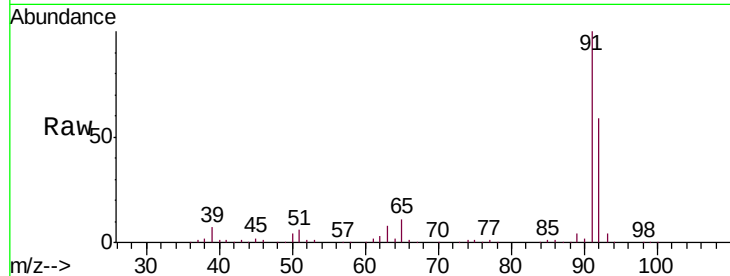
VSTD05095

Tgt Ion: 91 Resp: 498112

Ion Ratio Lower Upper

91 100

92 58.6 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VV014965.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV014990.D (-1873) (-)

7.41

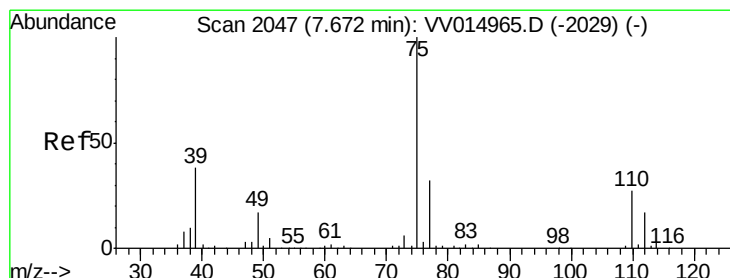
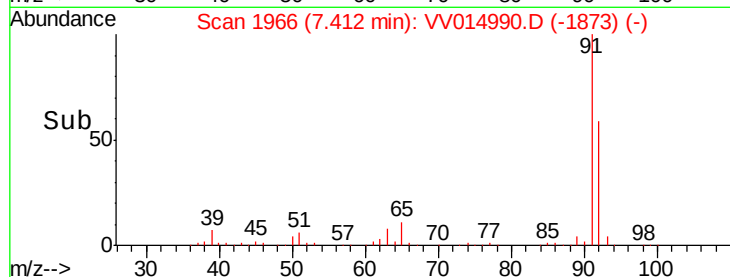
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.031 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014990.D

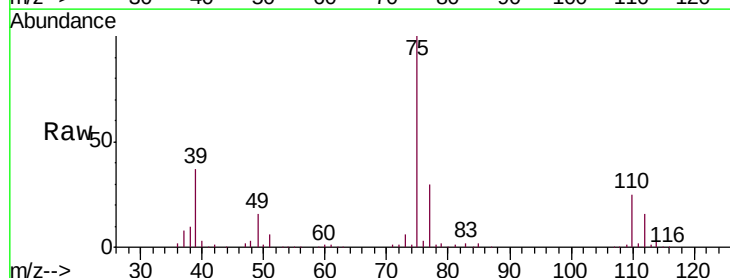
Acq: 17 Mar 2020 21:51

Tgt Ion: 75 Resp: 162913

Ion Ratio Lower Upper

75 100

77 30.5 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV014965.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV014990.D (-1954) (-)

7.67

100000

80000

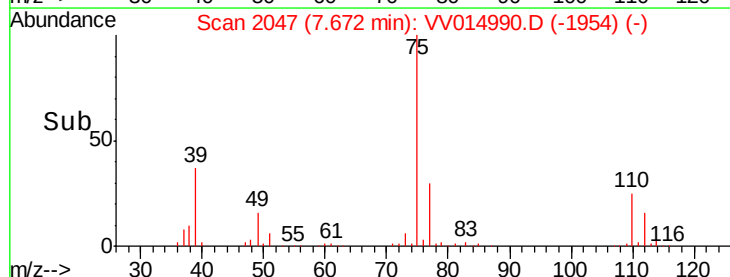
60000

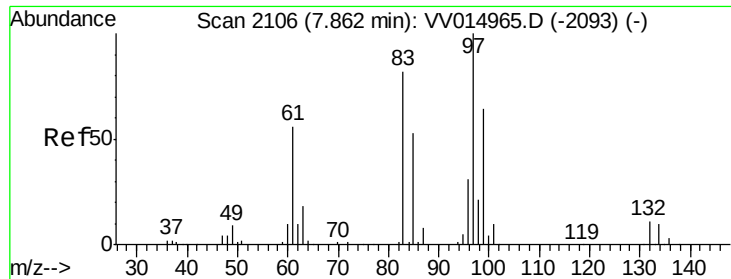
40000

20000

0

Time-->

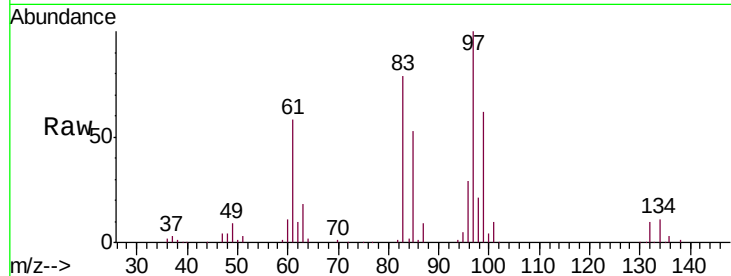




#45
 1,1,2-Trichloroethane
 Concen: 50.199 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tgt Ion:	97	Resp:	116372
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.7	81.1
83	79.4	58.6	108.8
85	53.2	37.0	68.6



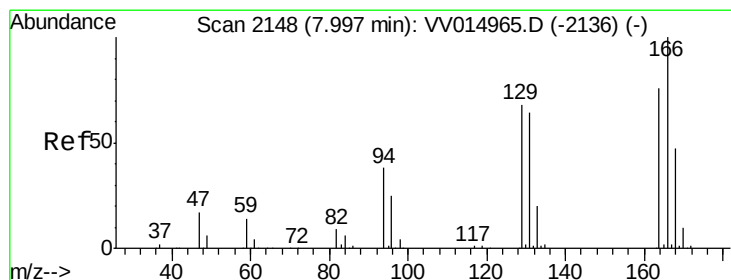
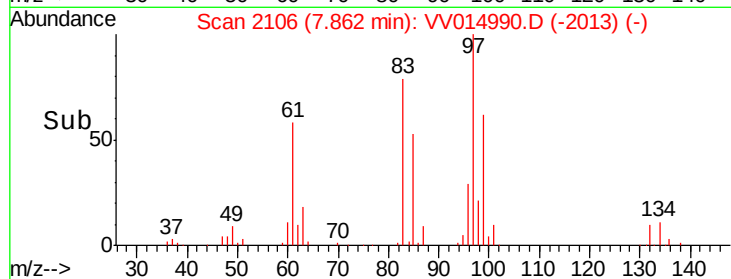
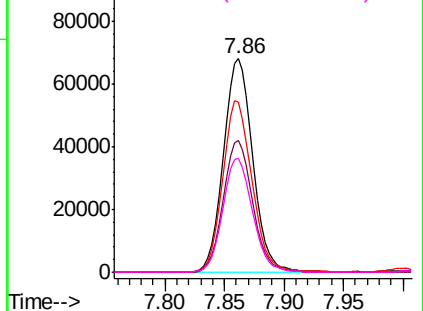
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

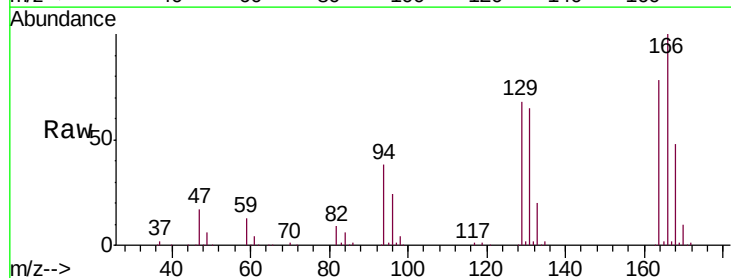
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 48.883 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion:	164	Resp:	108877
Ion	Ratio	Lower	Upper
164	100		
129	87.1	62.0	115.2
131	83.6	59.5	110.5
166	129.0	88.5	164.4



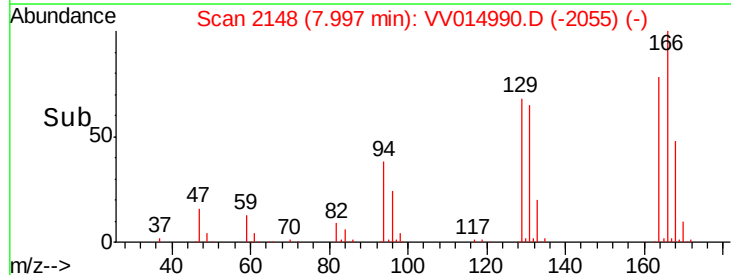
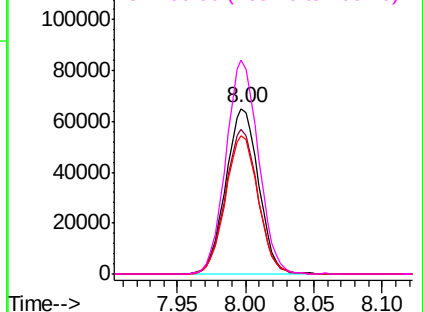
Abundance

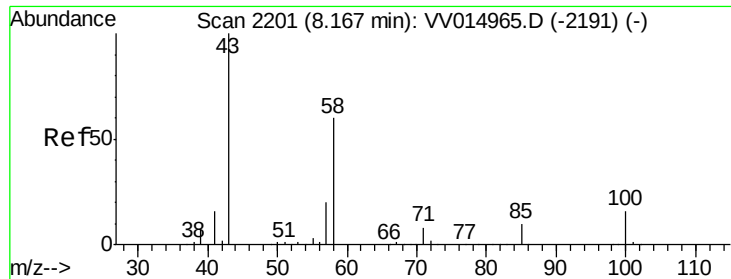
Ion 164.00 (163.70 to 164.70): V

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

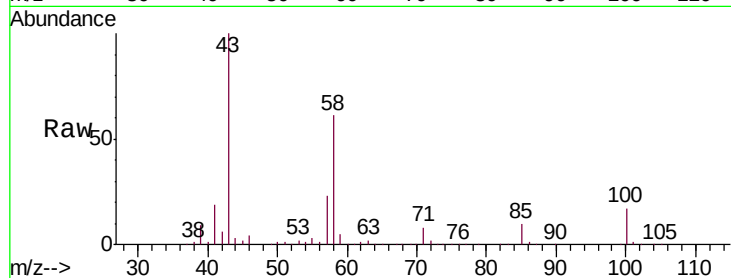




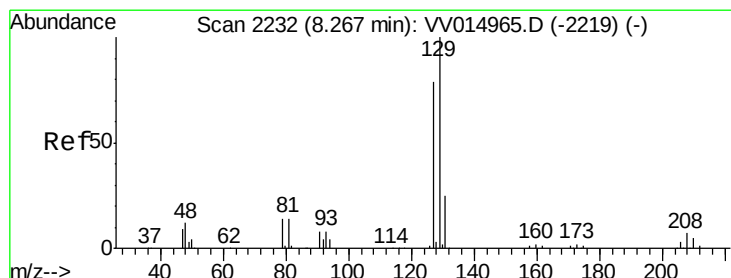
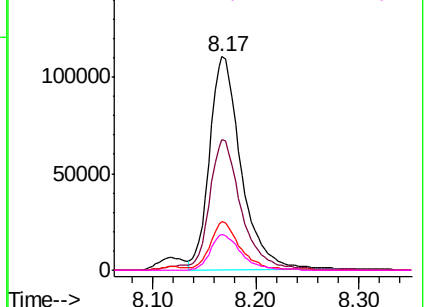
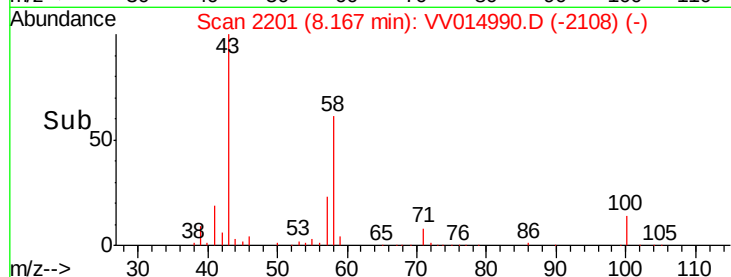
#48
2-Hexanone
Concen: 97.820 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tgt Ion:	43	Resp:	232669
Ion	Ratio	Lower	Upper
43	100		
58	63.8	46.9	70.3
57	21.6	16.2	24.4
100	16.5	11.9	17.9

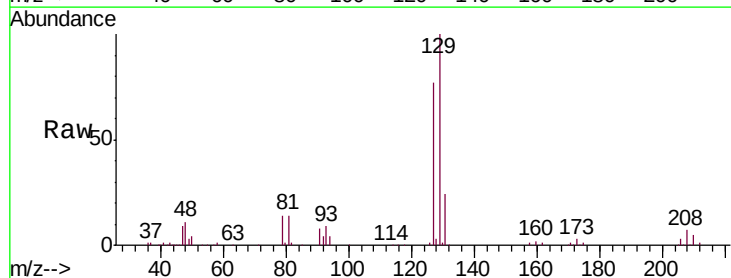


Abundance Ion 43.00 (42.70 to 43.70): VV014990.D (-2108) (-)
Ion 58.00 (57.70 to 58.70): VV014990.D (-2108) (-)
Ion 57.00 (56.70 to 57.70): VV014990.D (-2108) (-)
Ion 100.00 (99.70 to 100.70): VV014990.D (-2108) (-)

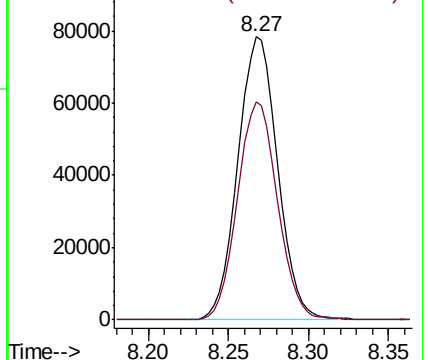
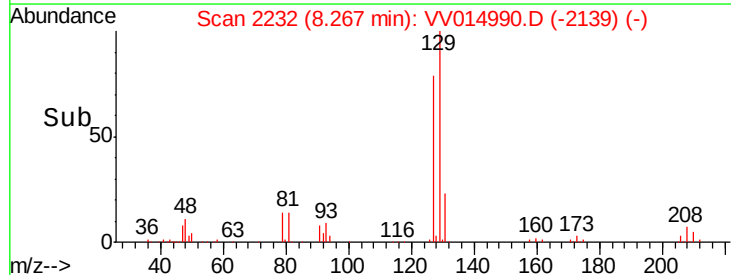


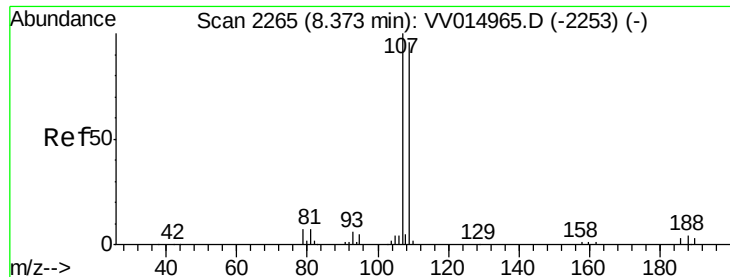
#49
Dibromochloromethane
Concen: 51.037 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion:	129	Resp:	133089
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.9	103.9



Abundance Ion 129.00 (128.70 to 129.70): VV014990.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV014990.D (-2139) (-)

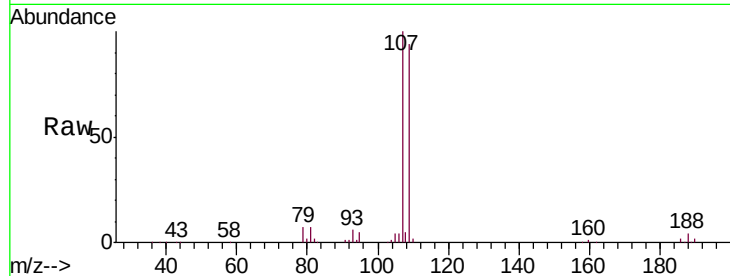




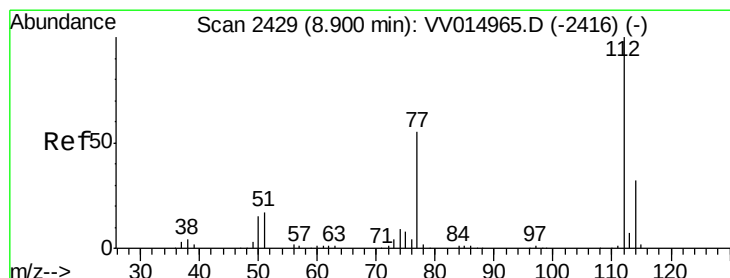
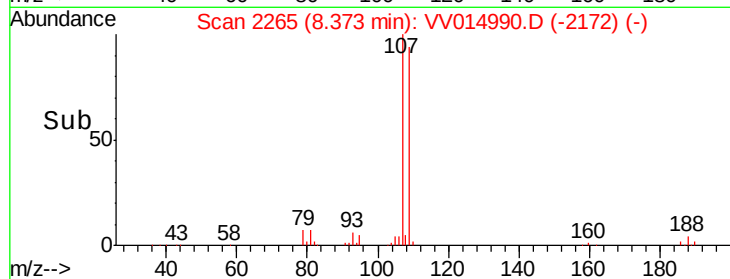
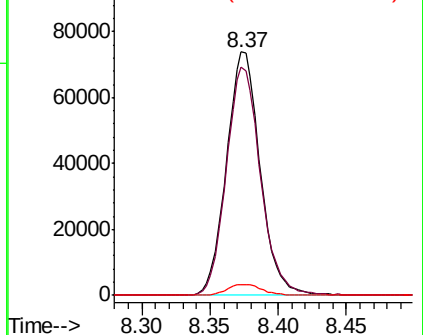
#50
1,2-Dibromoethane
Concen: 49.797 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.1	122.7
188	4.5	4.0	6.0

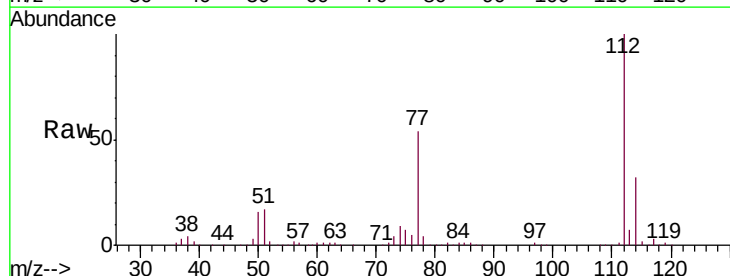


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

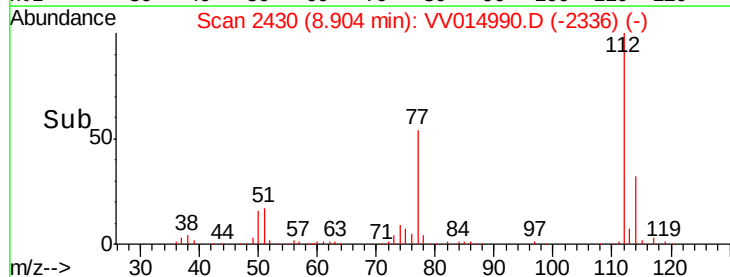
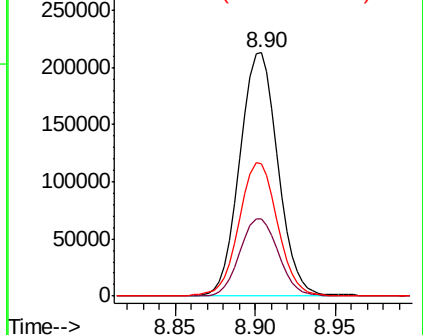


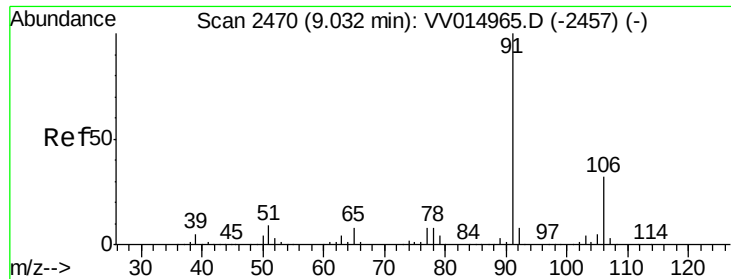
#51
Chlorobenzene
Concen: 50.201 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.8	42.4
77	54.4	44.5	66.7



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): VV0

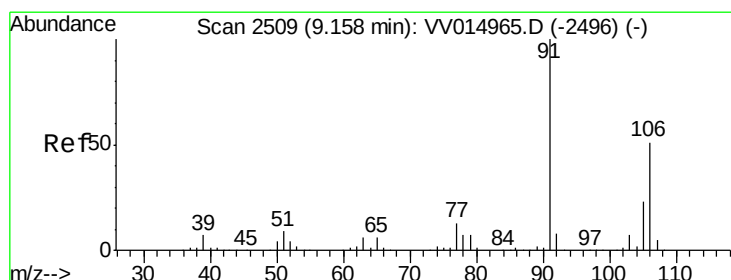
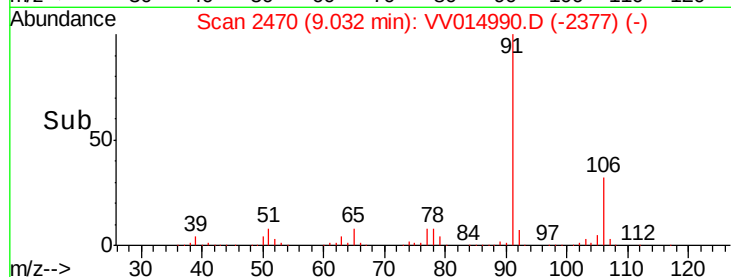
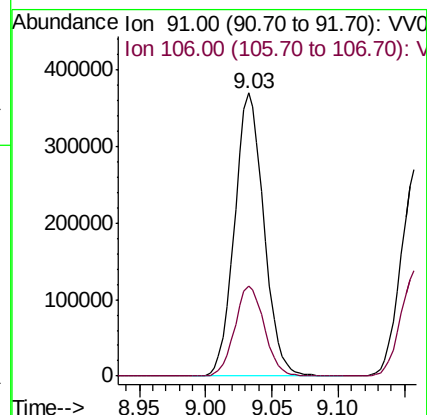
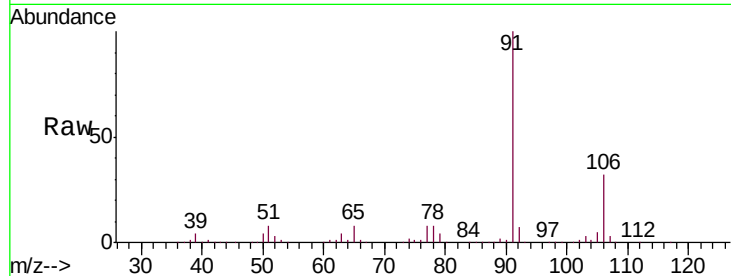




#52
Ethylbenzene
Concen: 49.795 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

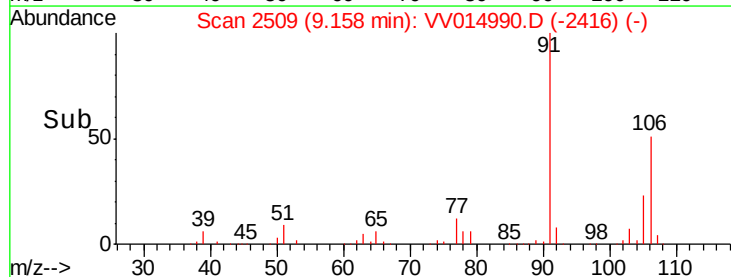
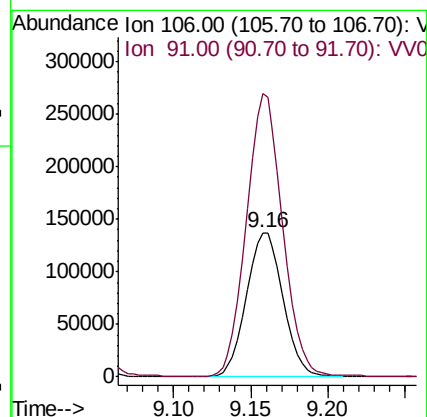
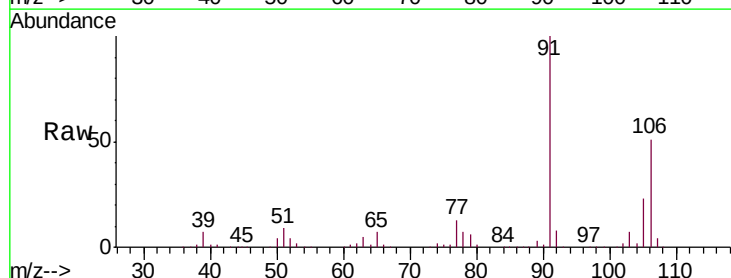
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

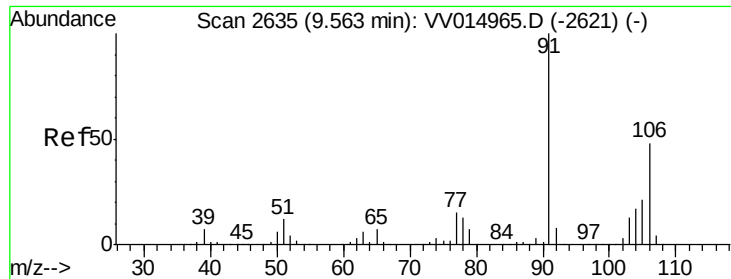
Tgt Ion: 91 Resp: 567360
Ion Ratio Lower Upper
91 100
106 31.8 21.9 40.7



#53
m,p-Xylene
Concen: 50.929 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion: 106 Resp: 225190
Ion Ratio Lower Upper
106 100
91 196.6 140.3 260.6

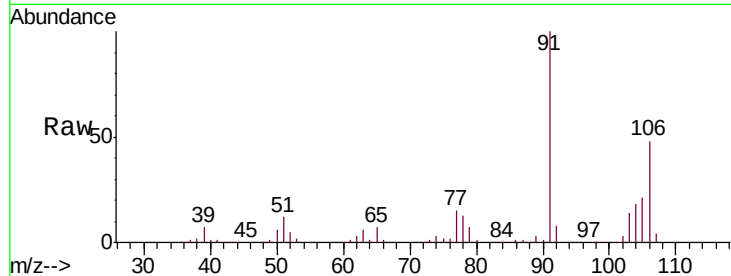




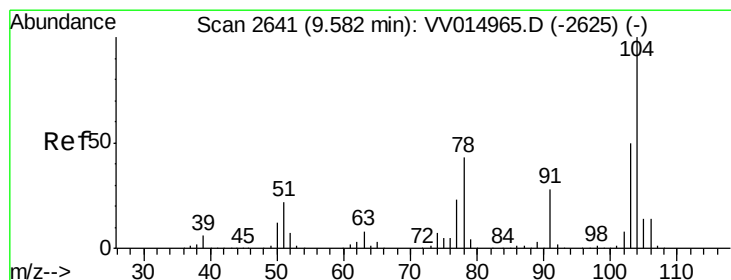
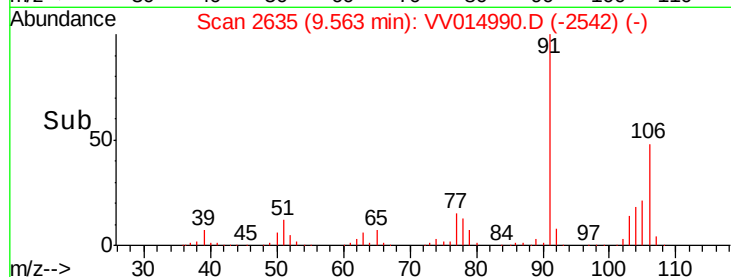
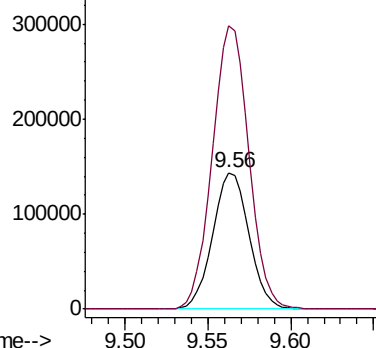
#54
o-xylene
Concen: 49.932 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tgt Ion:106 Resp: 218884
Ion Ratio Lower Upper
106 100
91 207.3 147.9 274.7

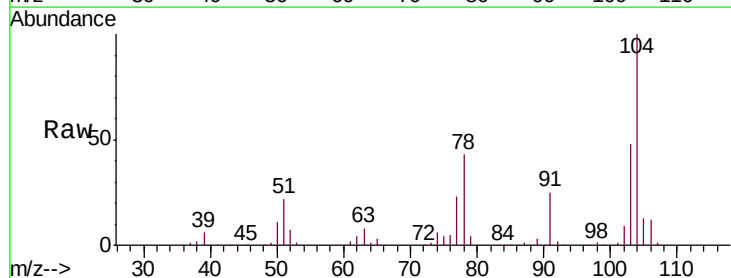


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

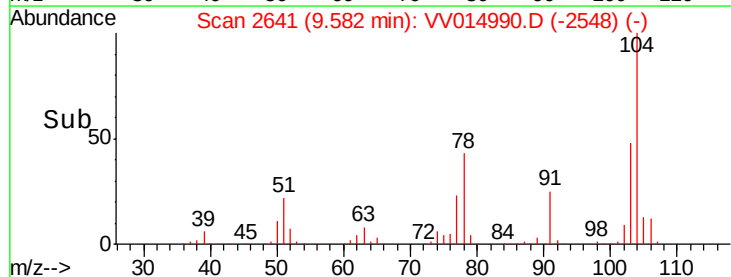
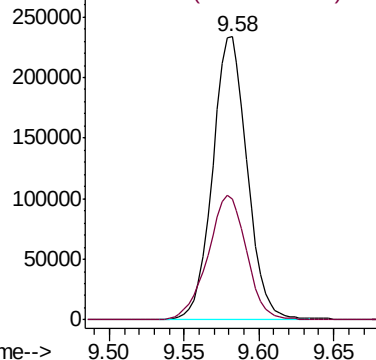


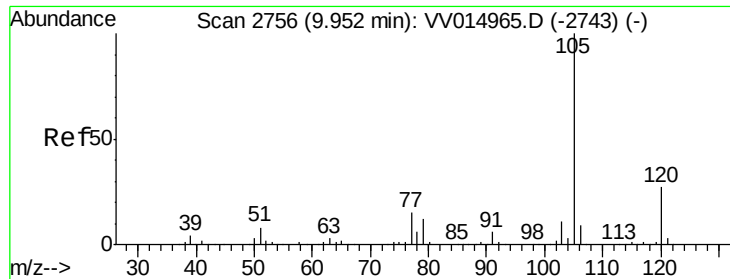
#55
Styrene
Concen: 51.498 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014990.D
Acq: 17 Mar 2020 21:51

Tgt Ion:104 Resp: 376868
Ion Ratio Lower Upper
104 100
78 42.9 30.1 55.9



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





#56

Isopropylbenzene

Concen: 50.530 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

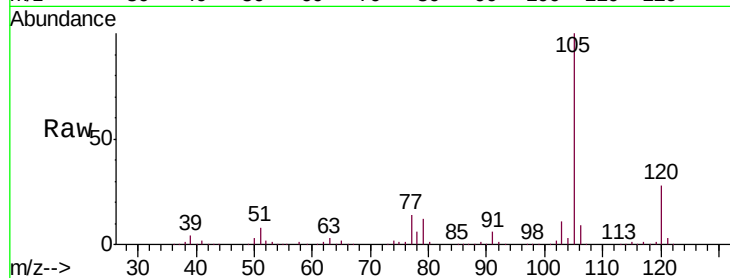
Tgt Ion: 105 Resp: 584083

Ion Ratio Lower Upper

105 100

120 27.2 21.6 32.4

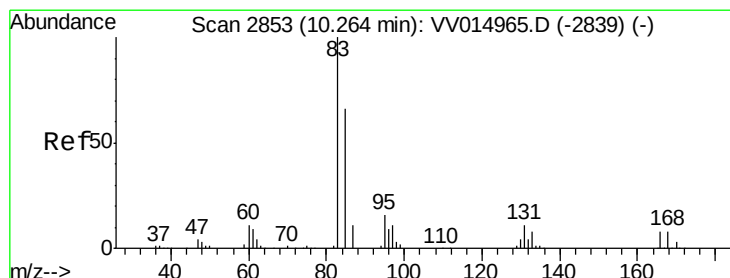
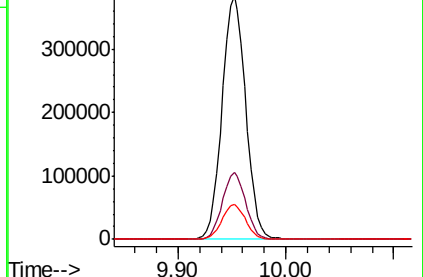
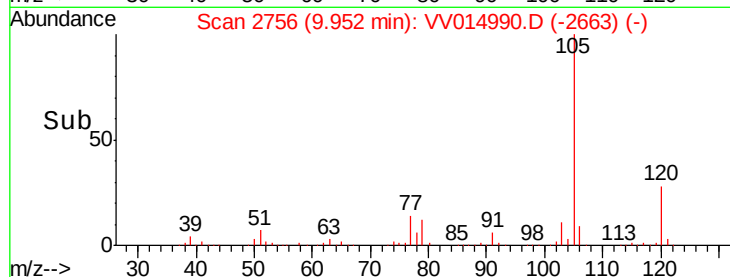
77 14.4 11.9 17.9



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: 48.971 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

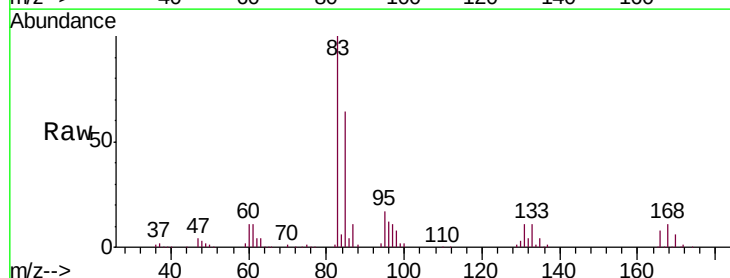
Tgt Ion: 83 Resp: 187808

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.6

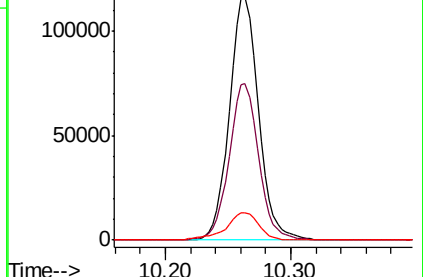
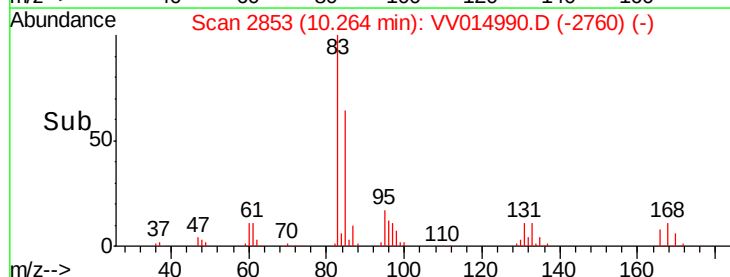
131 11.4 8.5 12.7

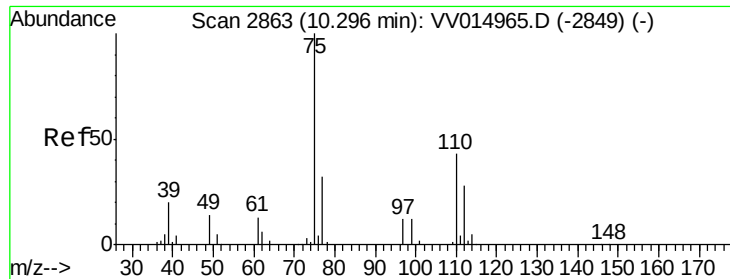


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.045 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

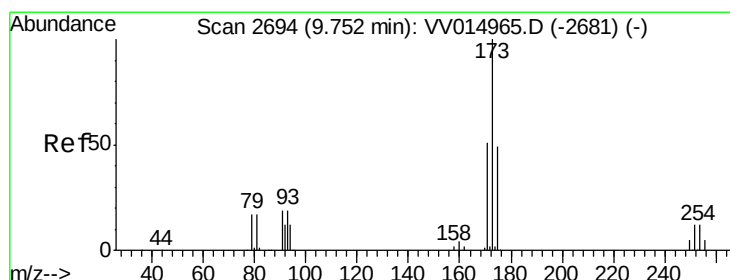
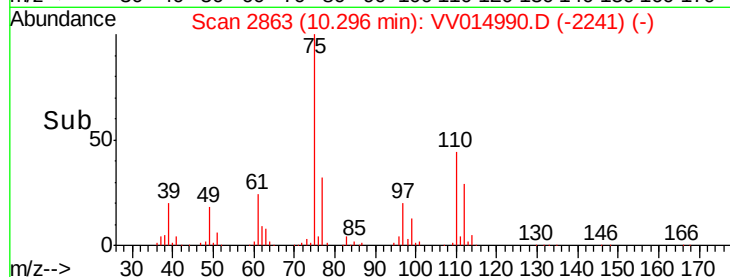
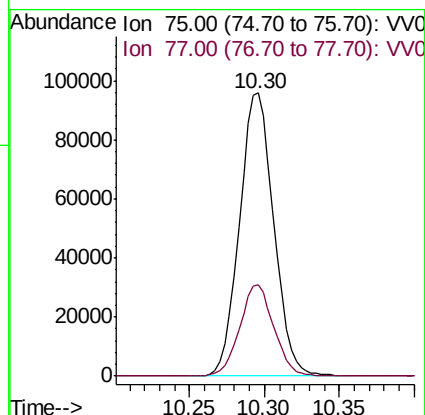
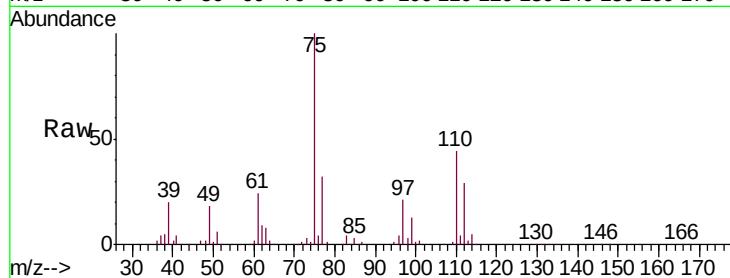
VSTD05095

Tgt Ion: 75 Resp: 152769

Ion Ratio Lower Upper

75 100

77 32.0 26.6 40.0



#61

Bromoform

Concen: 51.725 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

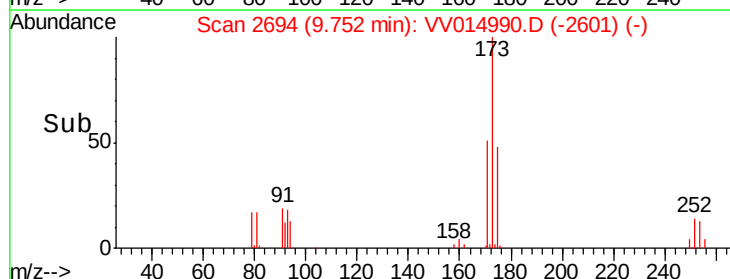
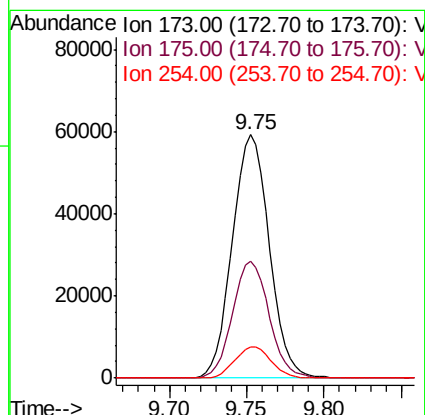
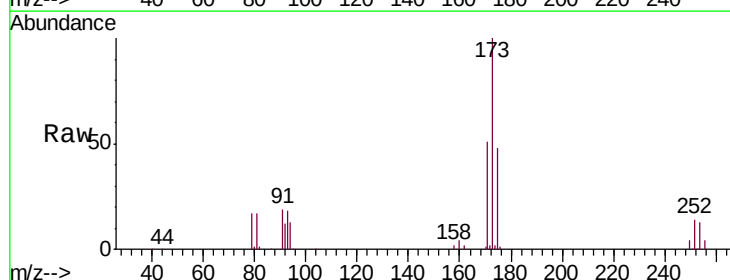
Tgt Ion: 173 Resp: 98510

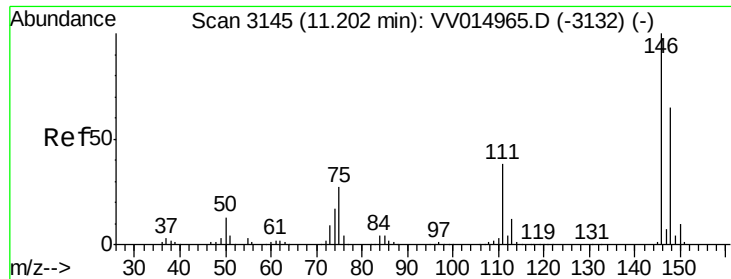
Ion Ratio Lower Upper

173 100

175 47.3 39.4 59.2

254 12.6 10.2 15.4

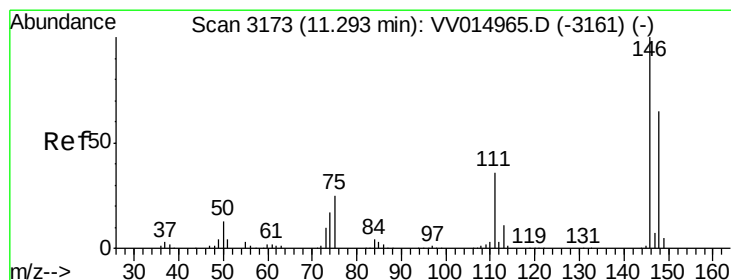
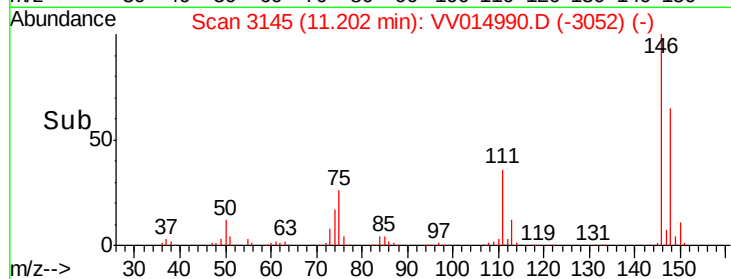
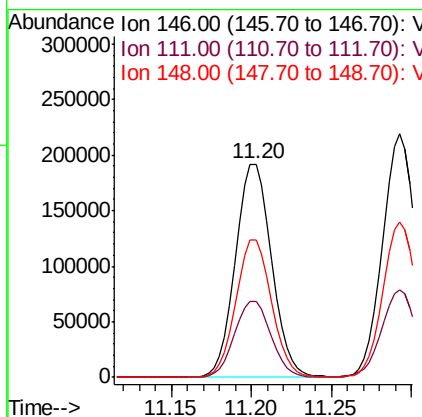
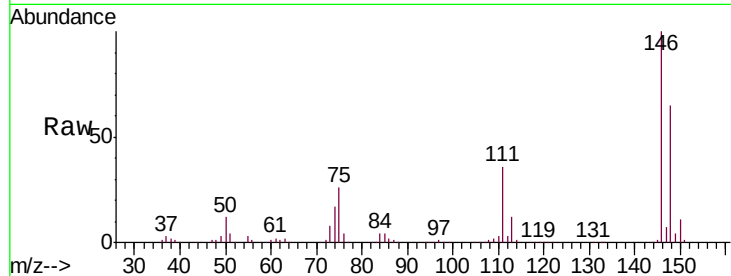




#62
 1,3-Dichlorobenzene
 Concen: 50.585 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

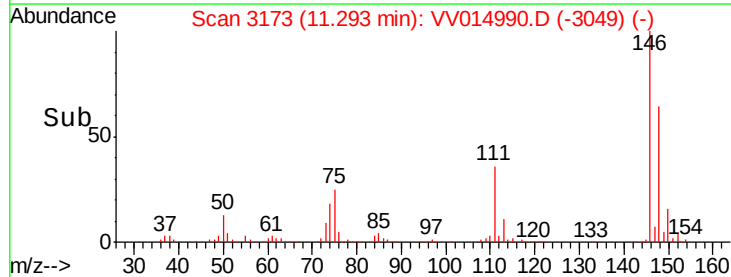
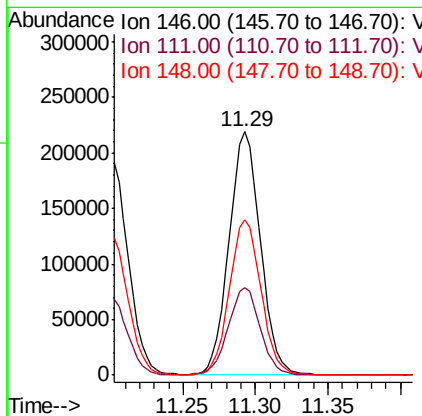
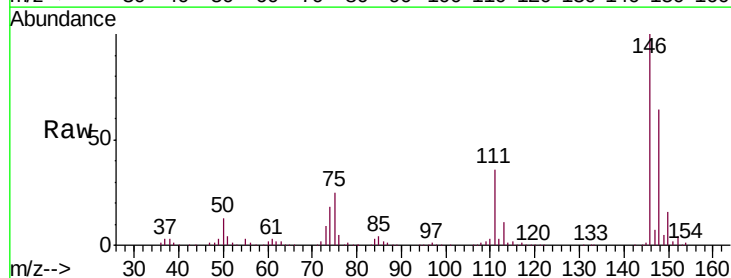
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

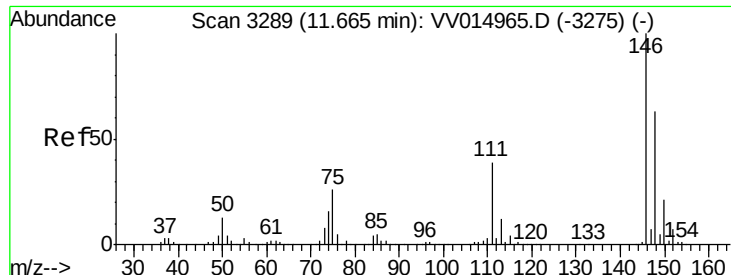
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	26.5	49.3
148	64.7	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 55.867 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.0	48.2
148	63.8	46.1	85.5

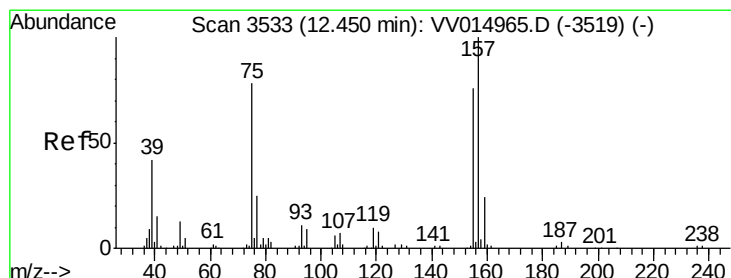
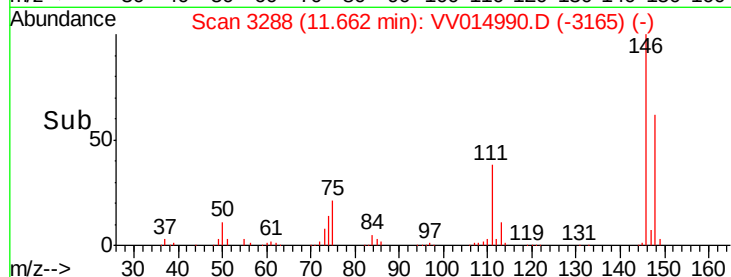
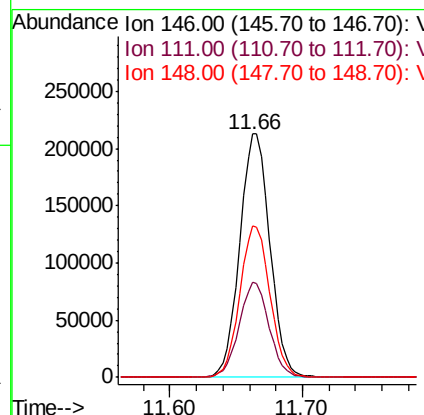
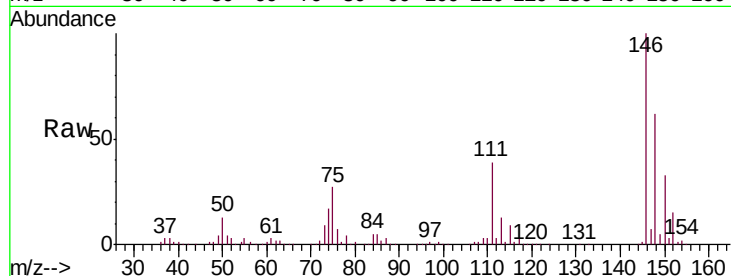




#65
 1,2-Dichlorobenzene
 Concen: 57.514 ug/L
 RT: 11.66 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

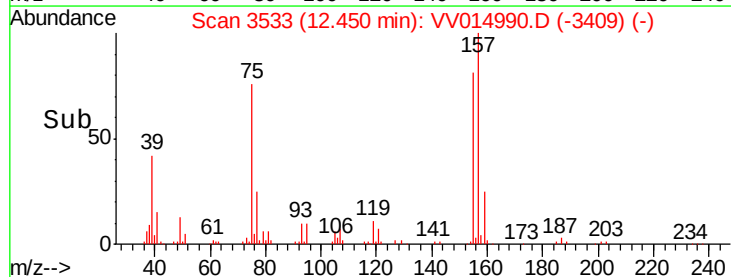
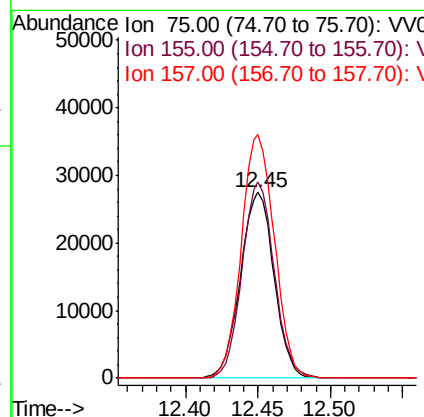
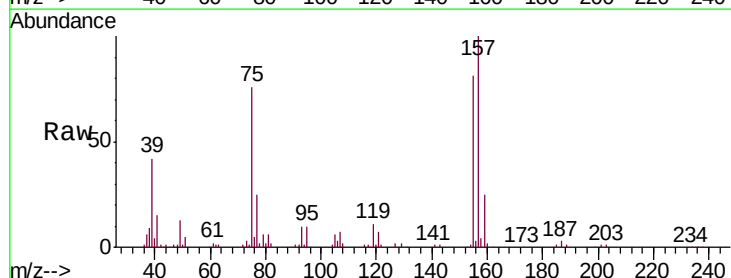
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05095

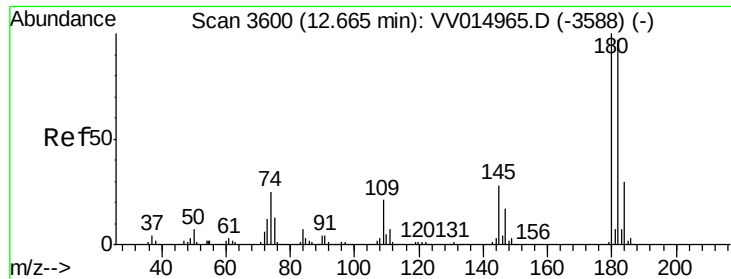
Tgt Ion: 146 Resp: 336064
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.6 47.4
 148 62.1 52.2 78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.296 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion: 75 Resp: 44180
 Ion Ratio Lower Upper
 75 100
 155 105.9 77.7 116.5
 157 131.1 97.2 145.8

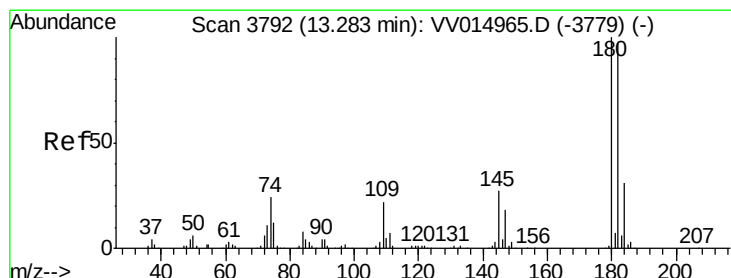
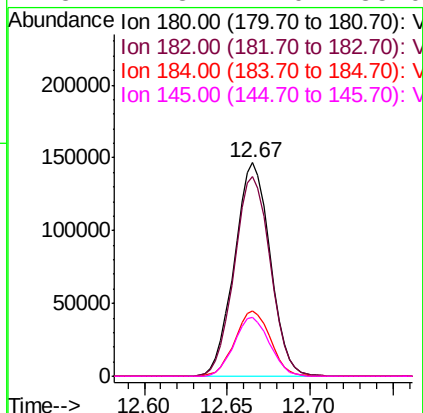
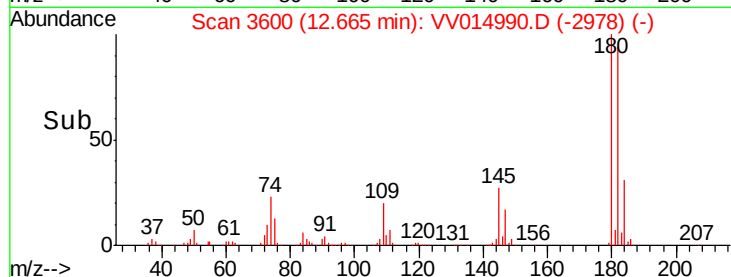
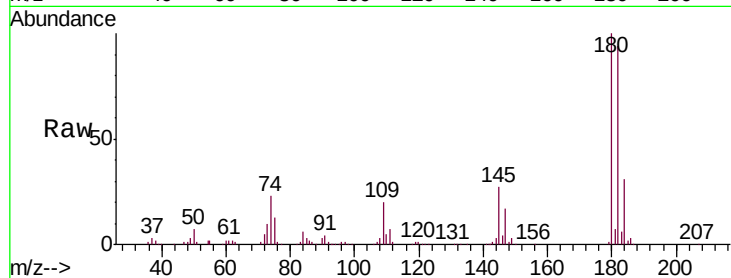




#67
 1,3,5-Trichlorobenzene
 Concen: 48.075 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

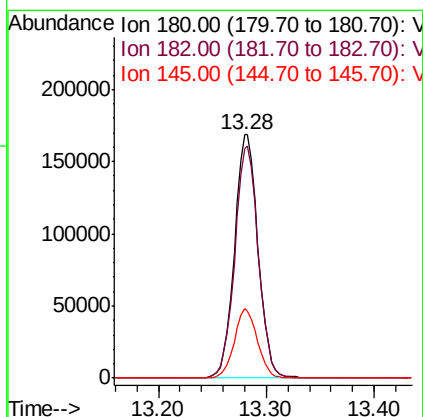
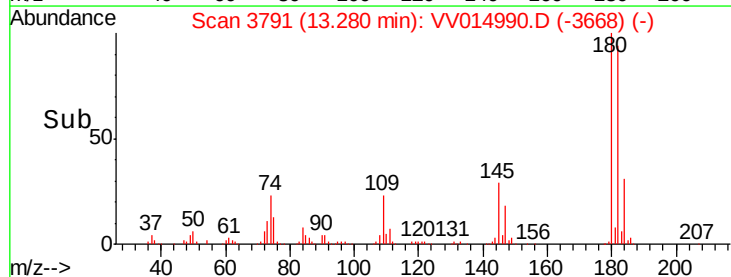
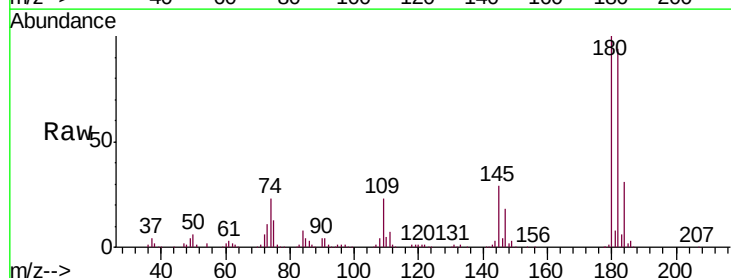
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

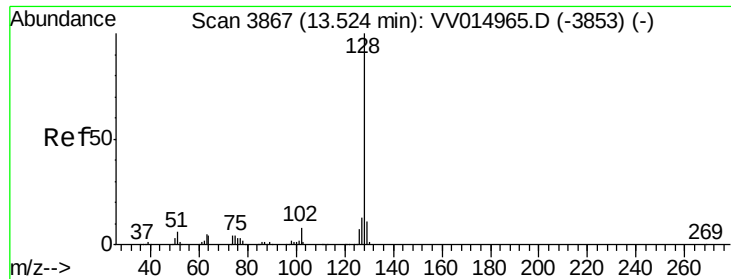
Tgt Ion:	180	Resp:	220485
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
184	30.5	24.2	36.4
145	27.3	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 62.688 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VV014990.D
 Acq: 17 Mar 2020 21:51

Tgt Ion:	180	Resp:	256251
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	28.1	23.1	34.7





#69

Naphthalene

Concen: 53.605 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

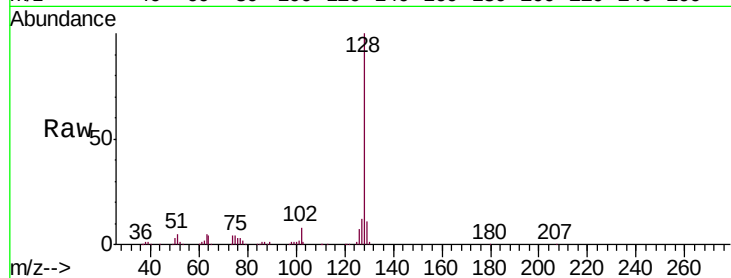
Tgt Ion:128 Resp: 281483

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

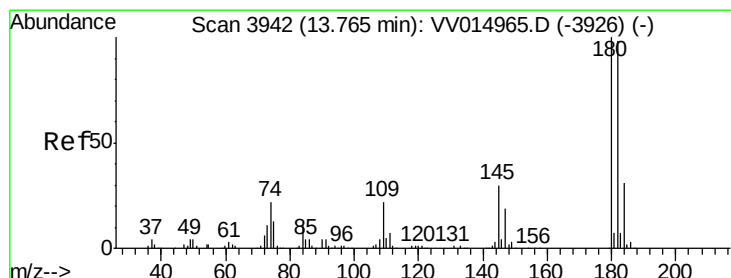
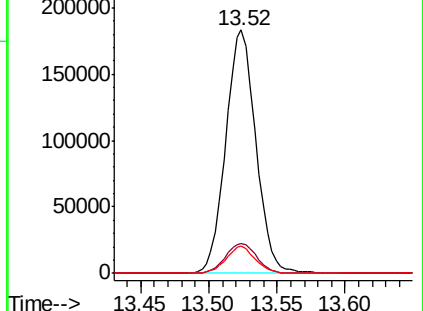
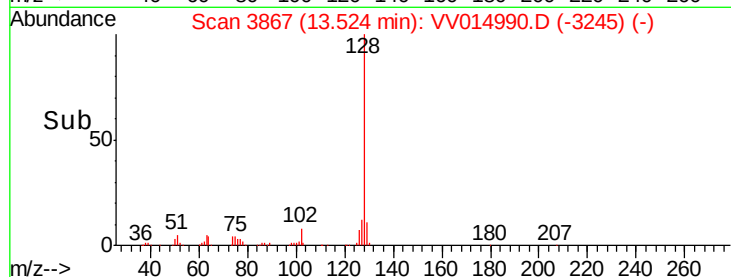
129 10.7 8.6 13.0



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: 53.060 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014990.D

Acq: 17 Mar 2020 21:51

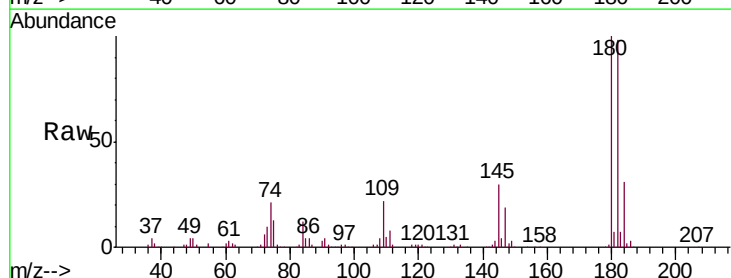
Tgt Ion:180 Resp: 214702

Ion Ratio Lower Upper

180 100

182 96.4 76.2 114.4

145 29.5 24.1 36.1



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

