

Data File : VV014608.D
Acq On : 19 Feb 2020 15:48
Operator : SY/MD
Sample : VSTD00533
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

Quant Time: Feb 20 01:54:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 01:51:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	267154	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	249318	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	124253	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47684	3.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	36977	2.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	93469	3.83	ug/L	0.00
20) 2-Butanone-d5	3.94	46	108045	29.24	ug/L	0.00
24) Chloroform-d	4.39	84	119057	3.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	76496	4.64	ug/L	0.00
32) Benzene-d6	5.09	84	326759	4.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	92252	4.21	ug/L	0.00
41) Toluene-d8	7.35	98	312918	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	38159	4.22	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	133865	39.27	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	69718	4.64	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	110313	4.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	127629	5.837 ug/L	100
3) Chloromethane	1.25	50	53440	2.911 ug/L	100
5) Vinyl chloride	1.32	62	57819	3.363 ug/L	100
6) Bromomethane	1.53	94	33728	3.491 ug/L	100
8) Chloroethane	1.60	64	29733	3.329 ug/L	100
9) Trichlorofluoromethane	1.77	101	118044	5.193 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	49107	4.193 ug/L	100
12) 1,1-Dichloroethene	2.14	96	43570	4.013 ug/L	100
13) Acetone	2.20	43	56720	22.879 ug/L	100
14) Carbon disulfide	2.31	76	242935	4.475 ug/L	100
15) Methyl Acetate	2.46	43	18120	3.374 ug/L	100
16) Methylene chloride	2.53	84	81992	3.665 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	187824	4.779 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	89816	4.990 ug/L	100
19) 1,1-Dichloroethane	3.22	63	149185	4.546 ug/L	100
21) 2-Butanone	4.03	43	123596	31.744 ug/L	100
22) cis-1,2-Dichloroethene	3.95	96	95215	5.004 ug/L	100
23) Bromochloromethane	4.29	128	40153	5.467 ug/L	100
25) Chloroform	4.42	83	210673	6.159 ug/L	100
27) 1,2-Dichloroethane	5.17	62	90500	4.923 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	149713	5.156 ug/L	100
30) Cyclohexane	4.72	56	140972	4.163 ug/L	100
31) Carbon tetrachloride	4.87	117	133137	5.273 ug/L	100
33) Benzene	5.14	78	349175	4.704 ug/L	100
34) Trichloroethene	5.96	95	96758	4.961 ug/L	100
35) Methylcyclohexane	6.17	83	161564	4.735 ug/L	100
37) 1,2-Dichloropropane	6.22	63	76050	4.271 ug/L	100
38) Bromodichloromethane	6.55	83	113863	4.925 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	133736	4.706 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	405513	39.099 ug/L	100

Data File : VV014608.D
Acq On : 19 Feb 2020 15:48
Operator : SY/MD
Sample : VSTD00533
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

Quant Time: Feb 20 01:54:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 01:51:06 2020
Response via : Initial Calibration

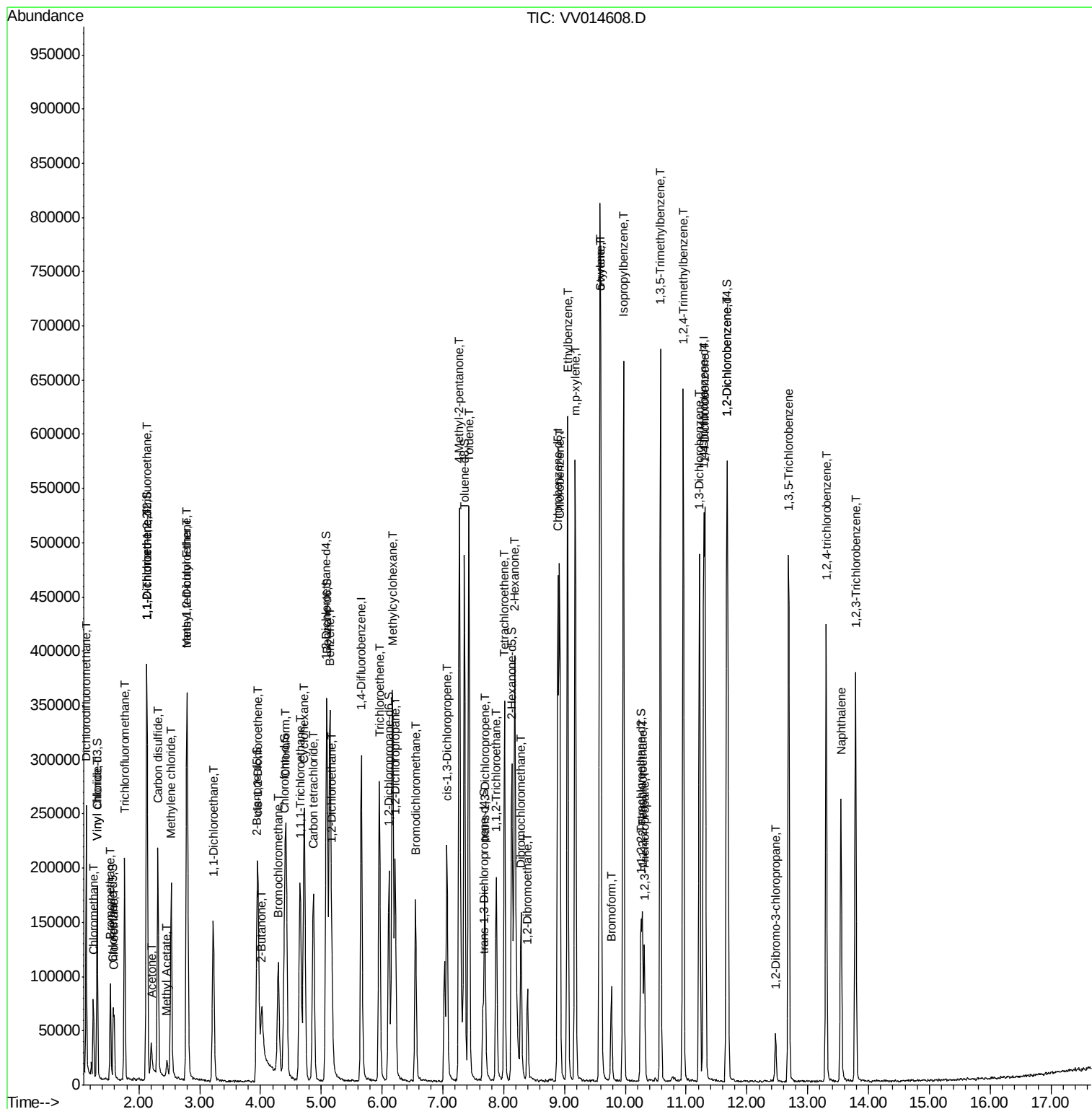
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	388407	4.869	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	105301	4.798	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	59739	5.102	ug/L	100
47) Tetrachloroethene	8.01	164	77487	5.596	ug/L	100
48) 2-Hexanone	8.18	43	288639	40.618	ug/L	100
49) Dibromochloromethane	8.28	129	79395	5.437	ug/L	100
50) 1,2-Dibromoethane	8.39	107	56204	5.166	ug/L	100
51) Chlorobenzene	8.92	112	248927	5.053	ug/L	100
52) Ethylbenzene	9.05	91	436702	4.877	ug/L	100
53) m,p-xylene	9.18	106	168298	5.047	ug/L	100
54) o-xylene	9.58	106	160647	4.983	ug/L	100
55) Styrene	9.60	104	268197	5.019	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	69752	4.915	ug/L	100
59) Bromoform	9.77	173	38814	5.073	ug/L	100
60) Isopropylbenzene	9.97	105	433913	4.778	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	50016	4.619	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	365381	4.781	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	361134	4.752	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	198130	5.160	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	198555	5.086	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	174298	5.068	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	11400	4.177	ug/L	100
69) 1,3,5-Trichlorobenzene	12.69	180	147611	5.220	ug/L	100
70) 1,2,4-trichlorobenzene	13.30	180	126085	5.279	ug/L	100
71) Naphthalene	13.55	128	210134	4.845	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	110982	5.373	ug/L	100

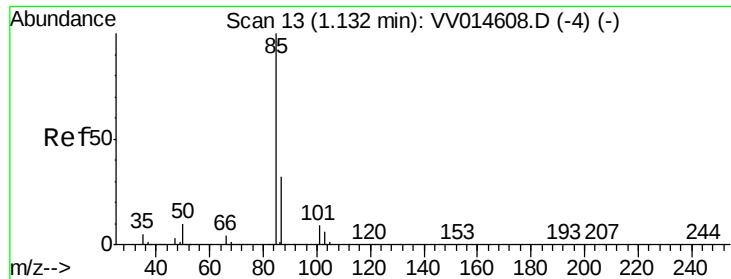
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV014608.D
Acq On : 19 Feb 2020 15:48
Operator : SY/MD
Sample : VSTD00533
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

Quant Time: Feb 20 01:54:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 01:51:06 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.837 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

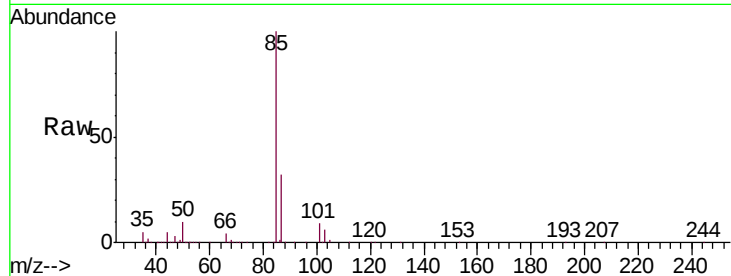
VSTD005703

Tgt Ion: 85 Resp: 127629

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

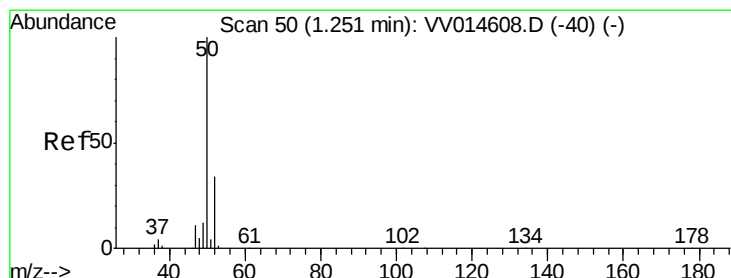
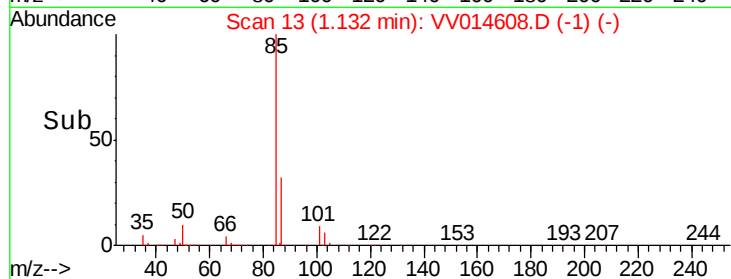
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.911 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014608.D

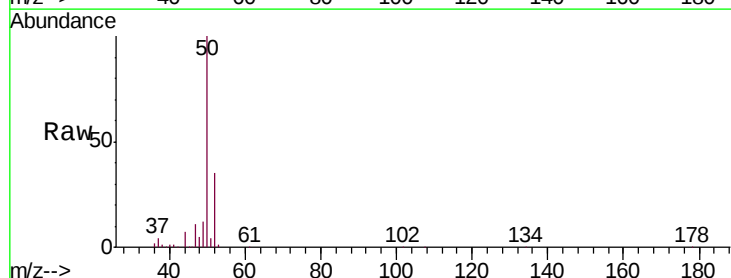
Acq: 19 Feb 2020 15:48

Tgt Ion: 50 Resp: 53440

Ion Ratio Lower Upper

50 100

52 34.6 24.2 45.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

50000

40000

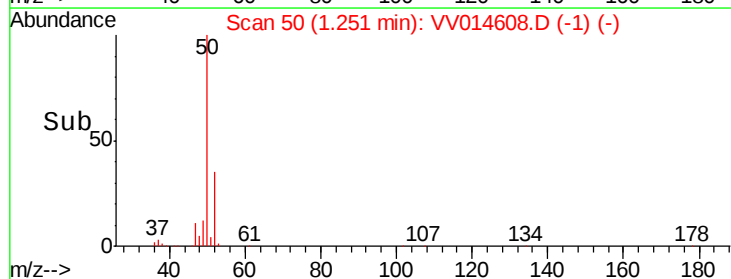
30000

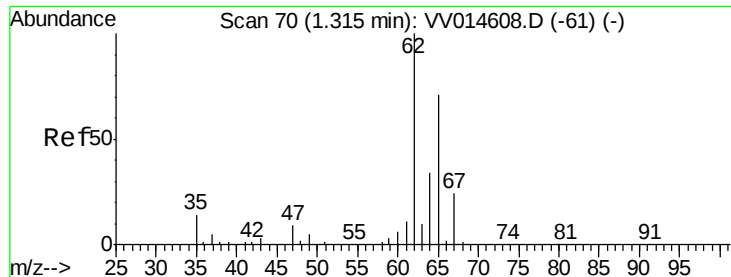
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 3.363 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

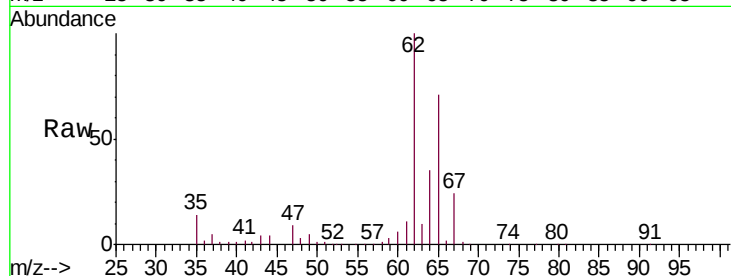
VSTD005703

Tgt Ion: 62 Resp: 57819

Ion Ratio Lower Upper

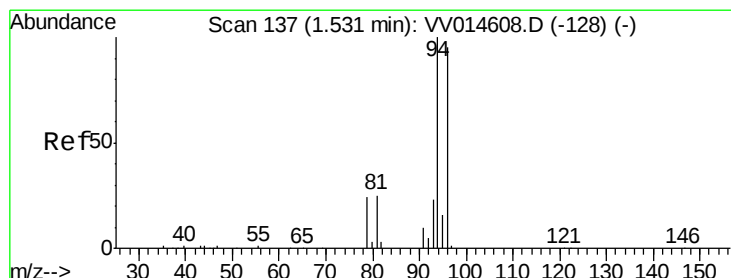
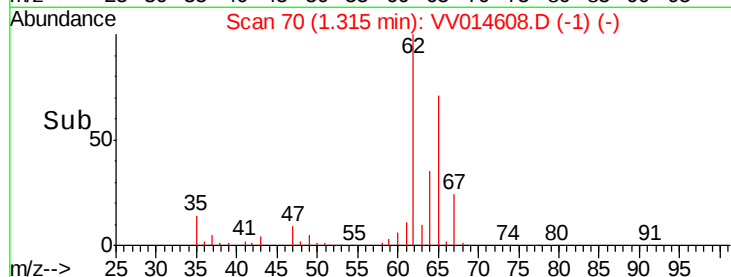
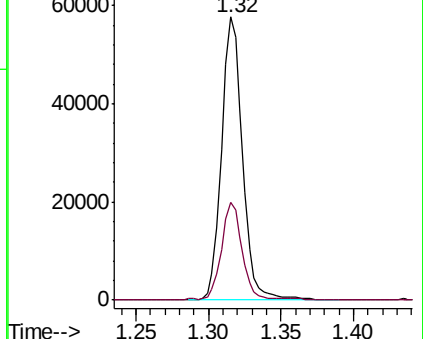
62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.491 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014608.D

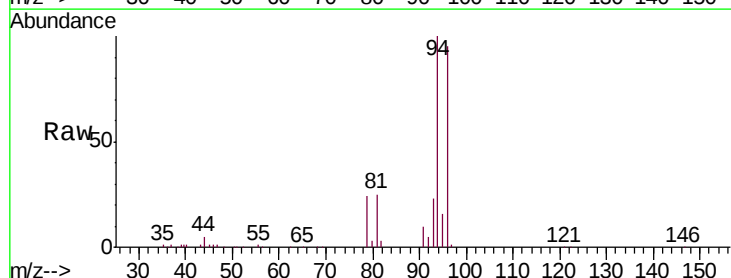
Acq: 19 Feb 2020 15:48

Tgt Ion: 94 Resp: 33728

Ion Ratio Lower Upper

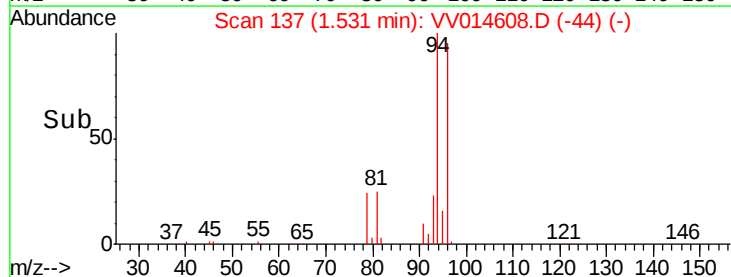
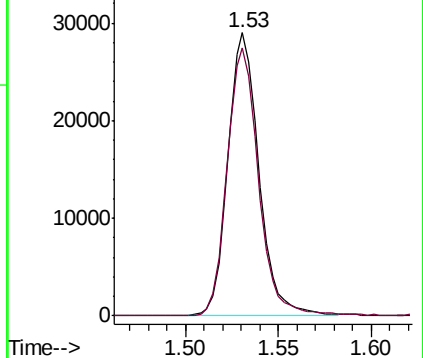
94 100

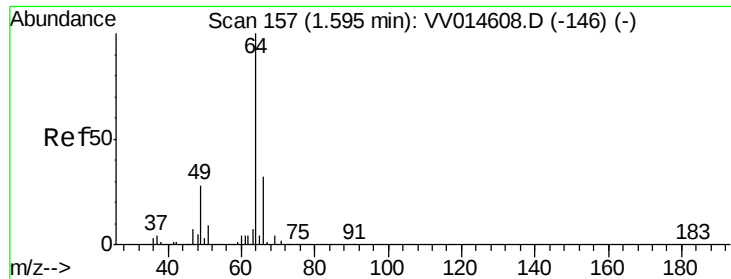
96 94.8 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

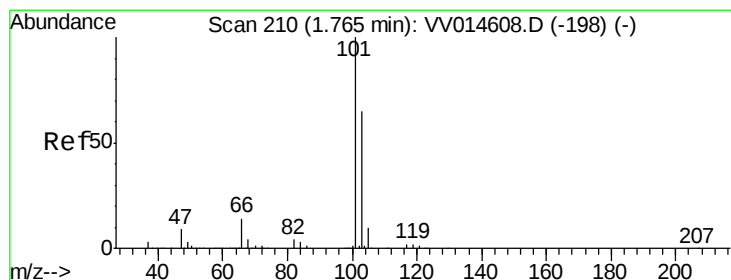
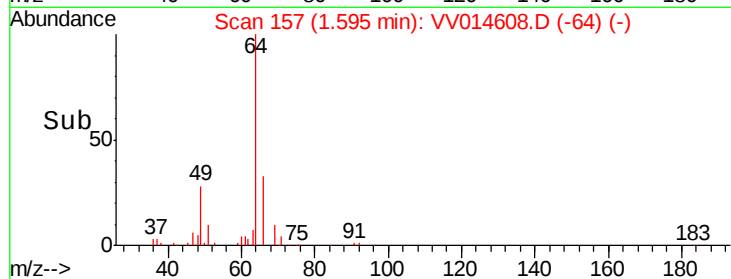
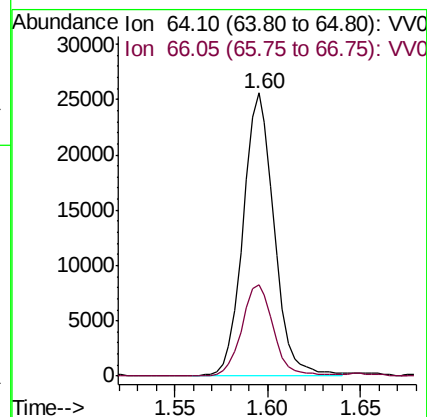
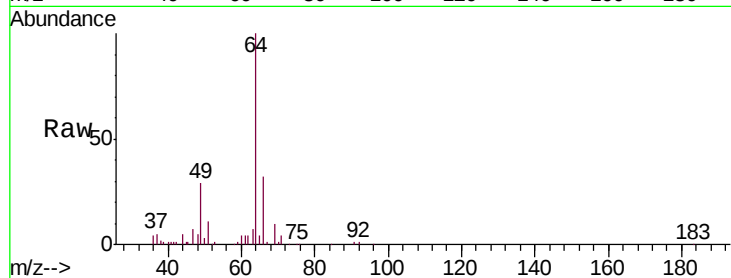




#8
Chloroethane
Concen: 3.329 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

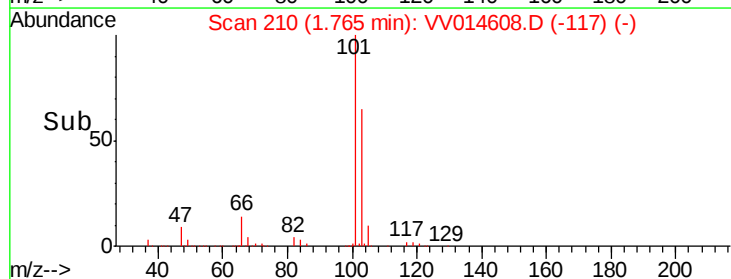
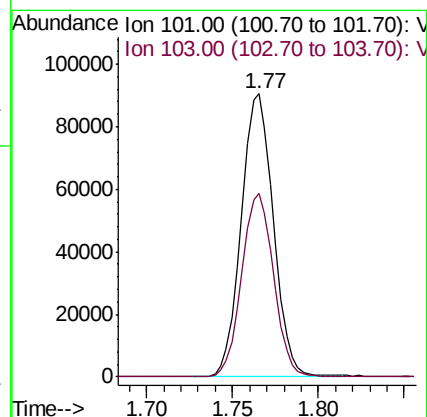
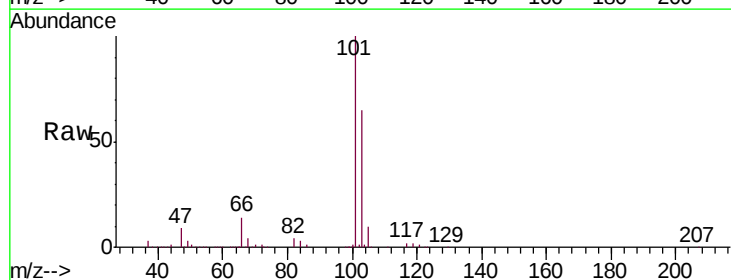
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

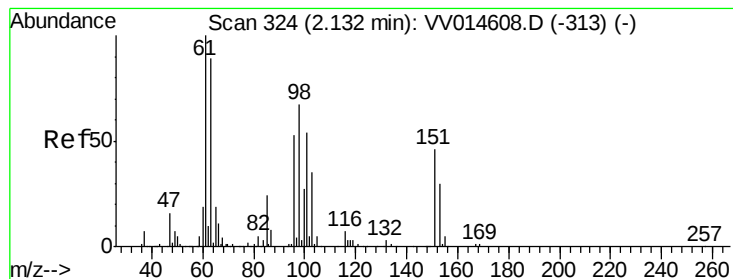
Tgt Ion: 64 Resp: 29733
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.193 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion: 101 Resp: 118044
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 4.193 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005703

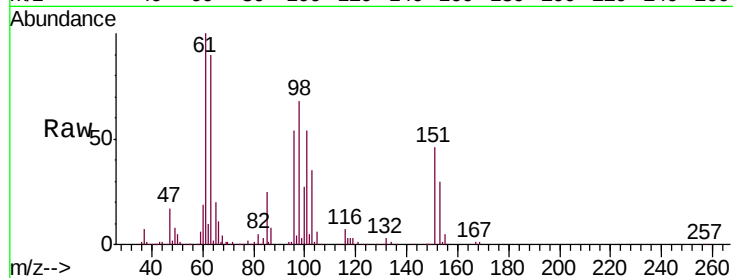
Tgt Ion: 101 Resp: 49107

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

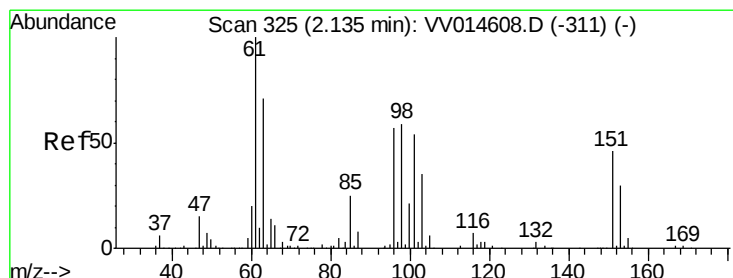
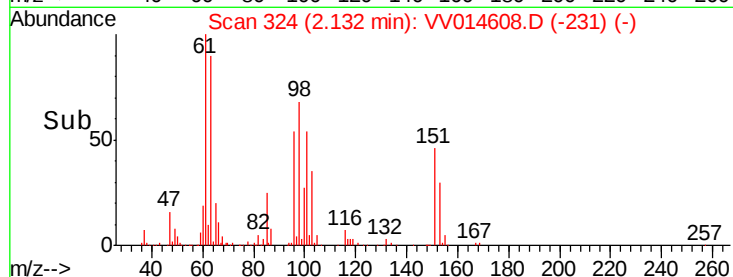
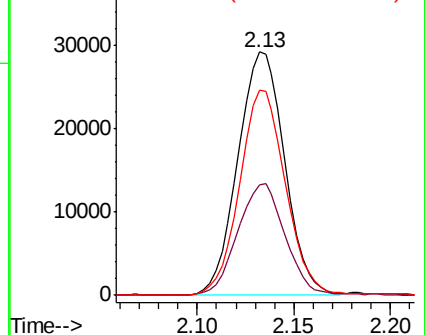
151 82.9 66.3 99.5



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: 4.013 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

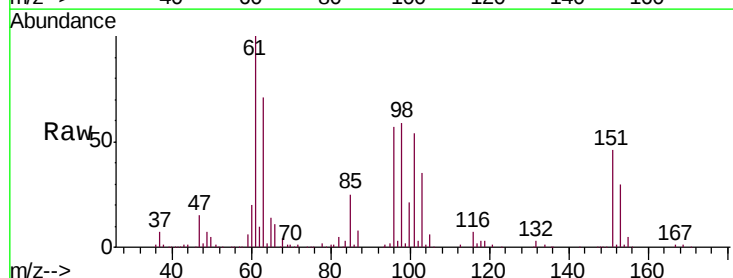
Tgt Ion: 96 Resp: 43570

Ion Ratio Lower Upper

96 100

61 174.8 122.4 227.2

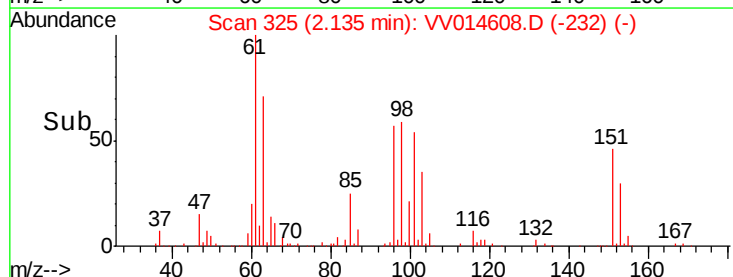
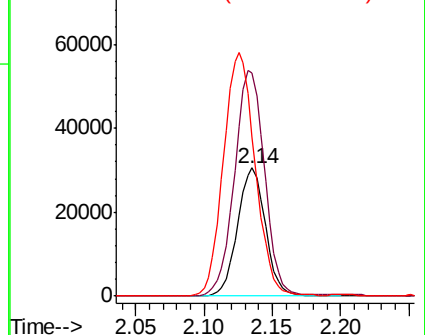
63 124.2 86.9 161.5

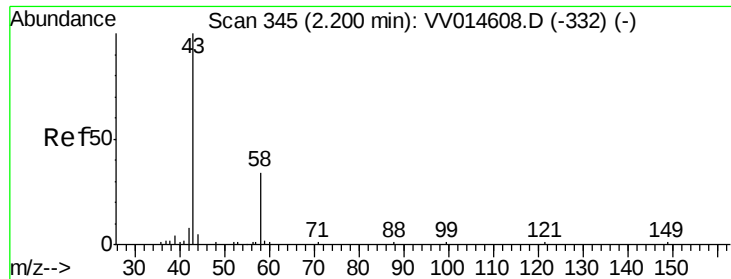


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 22.879 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

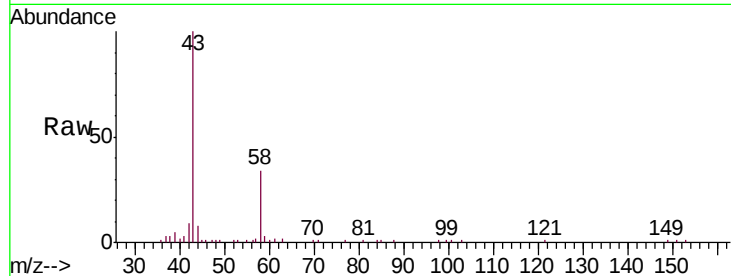
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

Tgt Ion: 43 Resp: 56720

Ion Ratio Lower Upper

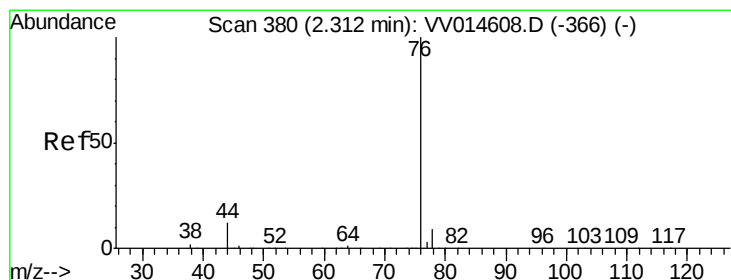
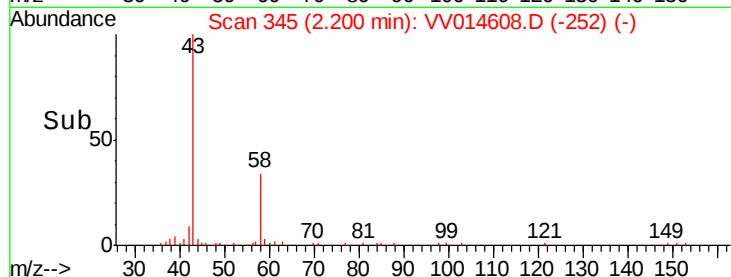
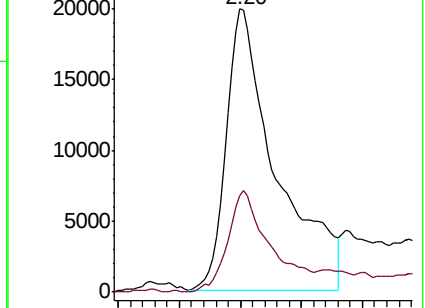
43 100

58 30.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VV014608.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV014608.D (-332) (-)



#14

Carbon disulfide

Concen: 4.475 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014608.D

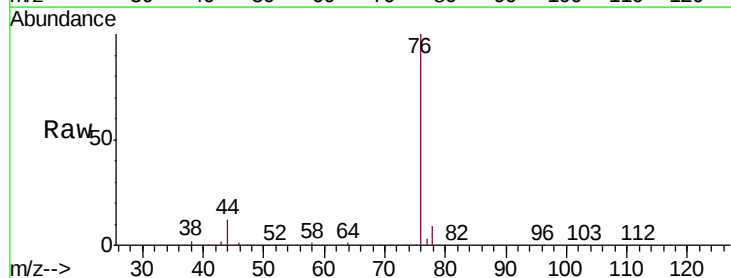
Acq: 19 Feb 2020 15:48

Tgt Ion: 76 Resp: 242935

Ion Ratio Lower Upper

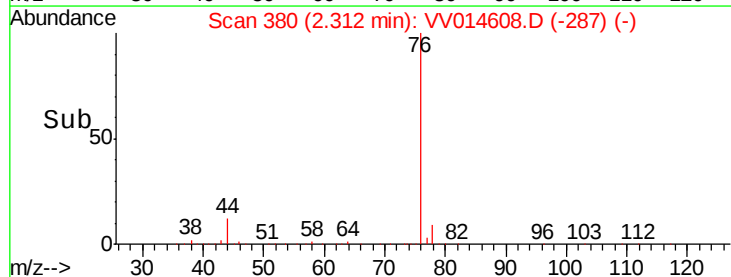
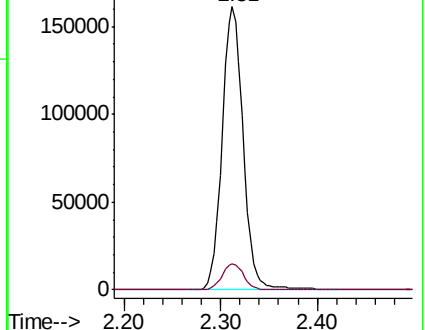
76 100

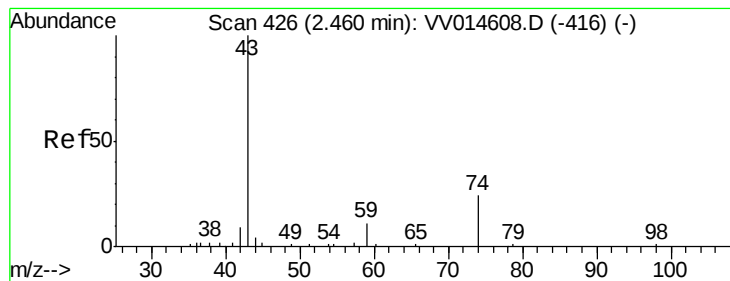
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV014608.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV014608.D (-366) (-)





#15

Methyl Acetate

Concen: 3.374 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

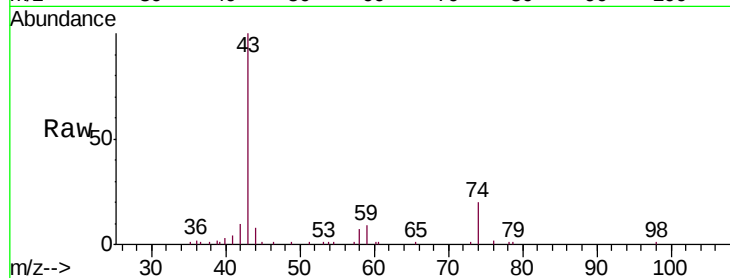
VSTD005703

Tgt Ion: 43 Resp: 18120

Ion Ratio Lower Upper

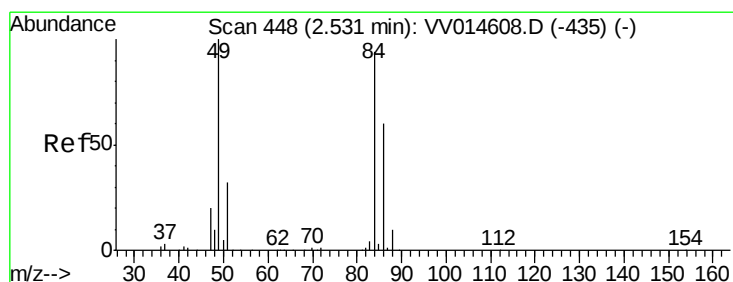
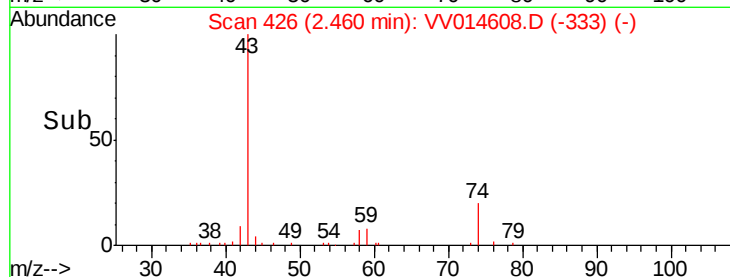
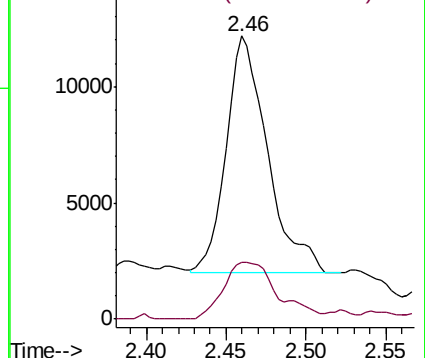
43 100

74 31.3 25.0 37.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 3.665 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

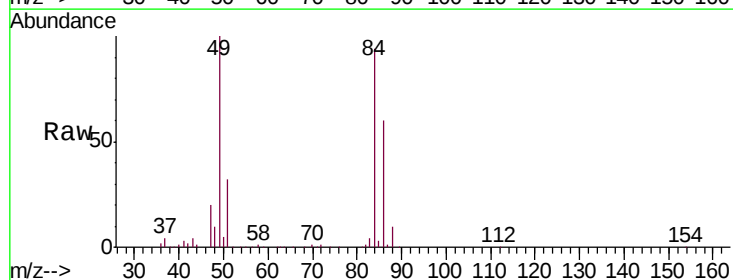
Tgt Ion: 84 Resp: 81992

Ion Ratio Lower Upper

84 100

86 64.0 44.8 83.2

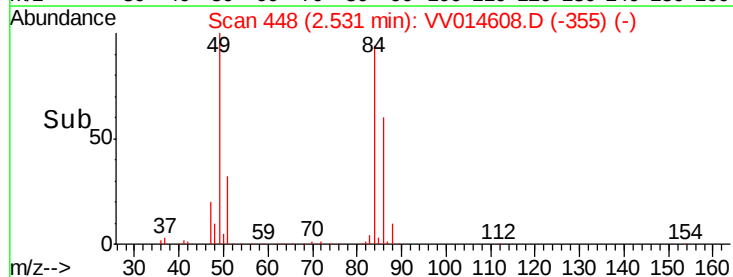
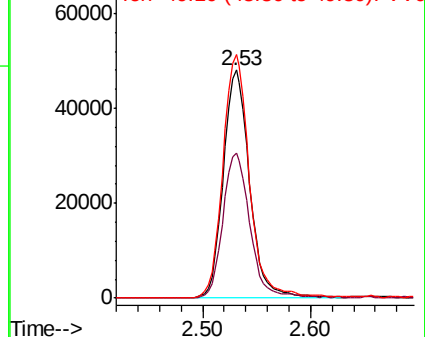
49 106.9 74.8 139.0

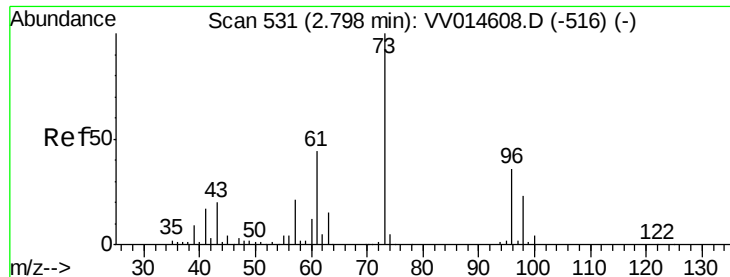


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

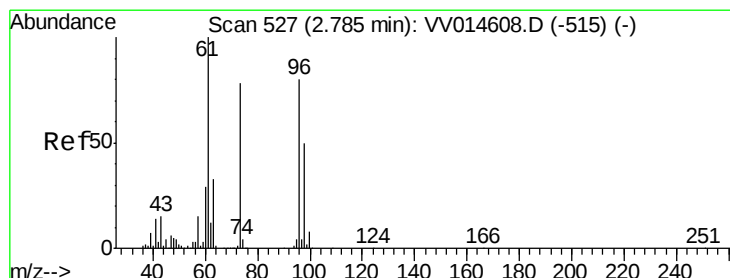
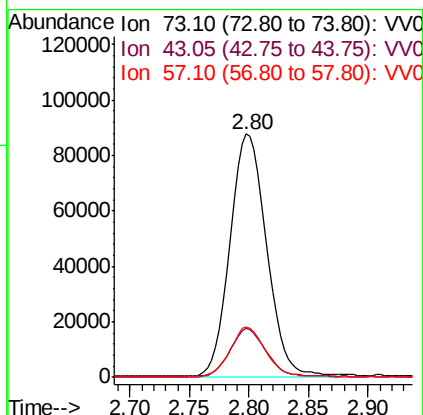
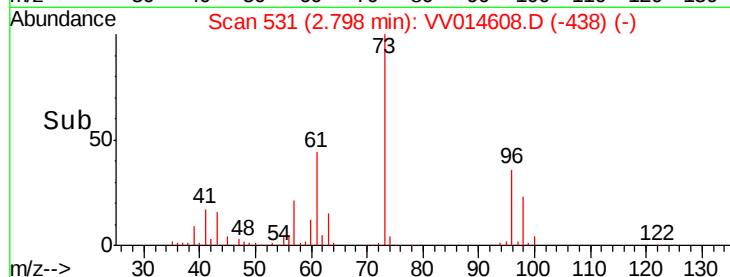
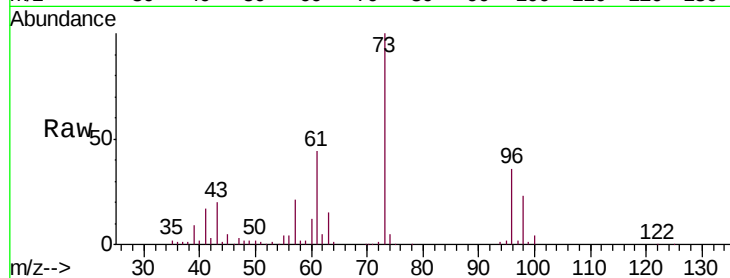




#17
Methyl tert-butyl Ether
Concen: 4.779 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

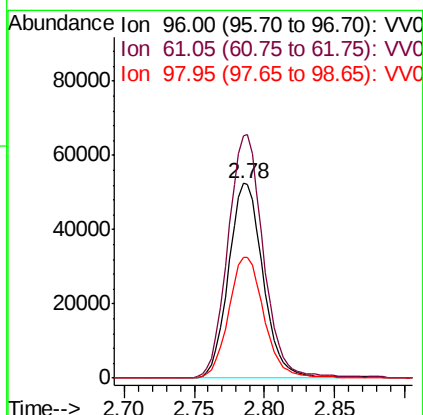
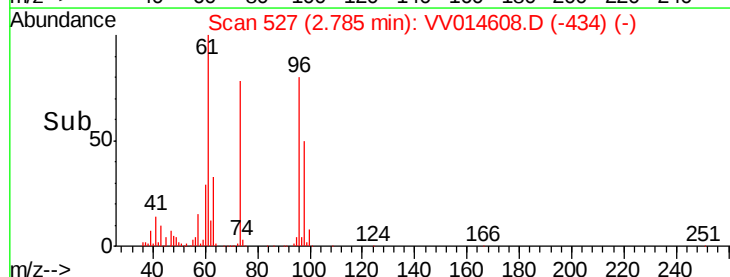
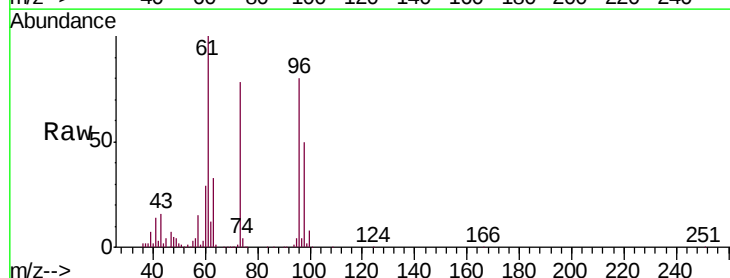
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

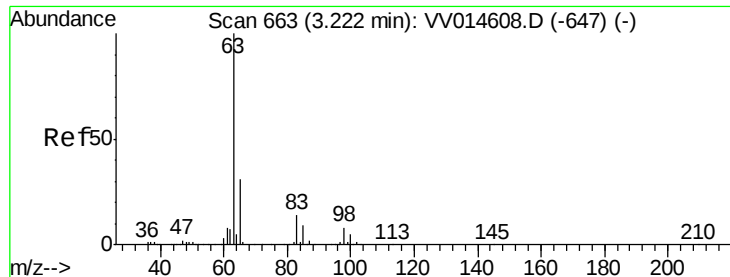
Tgt Ion: 73 Resp: 187824
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 20.0 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 4.990 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion: 96 Resp: 89816
Ion Ratio Lower Upper
96 100
61 124.6 87.2 162.0
98 62.0 43.4 80.6

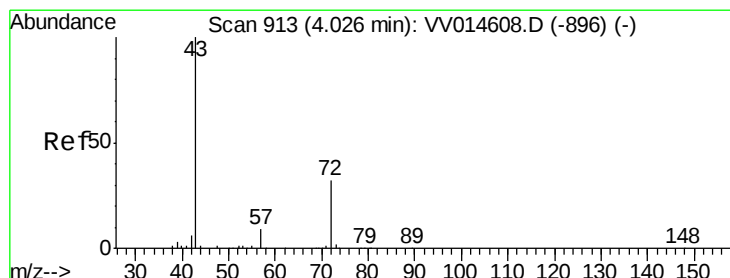
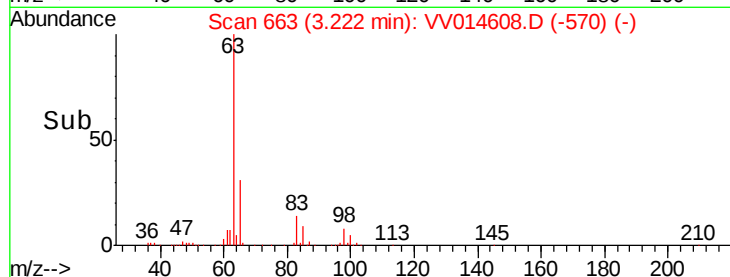
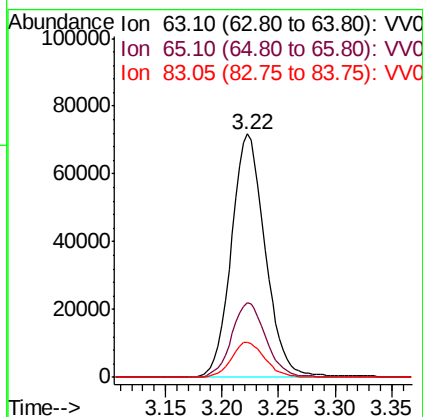
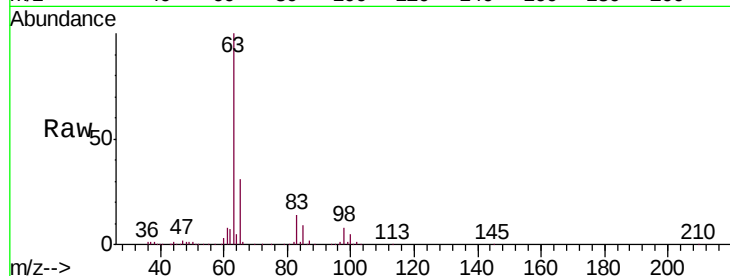




#19
 1,1-Dichloroethane
 Concen: 4.546 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

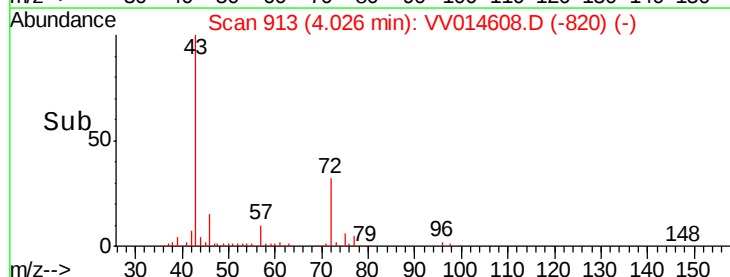
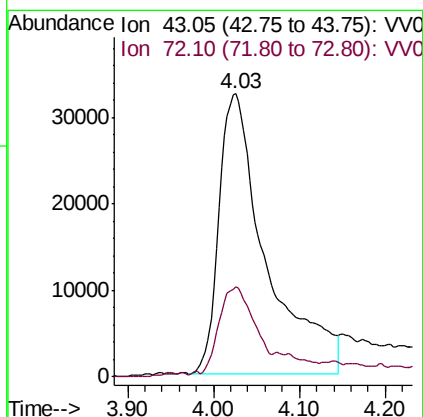
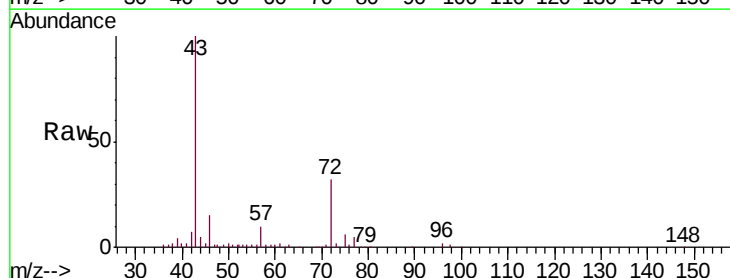
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

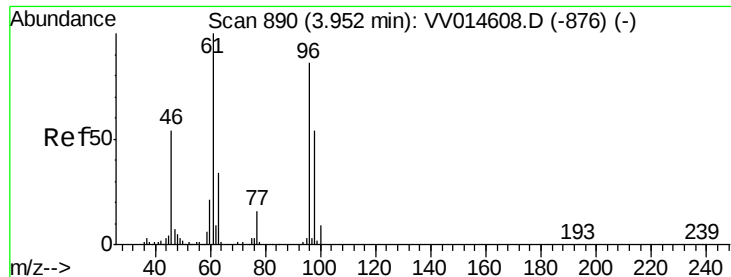
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.4	39.8
83	14.3	10.0	18.6



#21
 2-Butanone
 Concen: 31.744 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	11.5	34.5



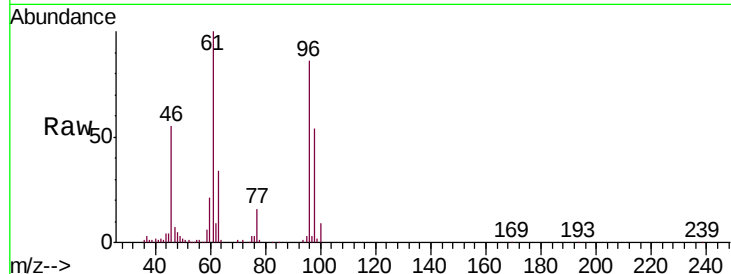


#22

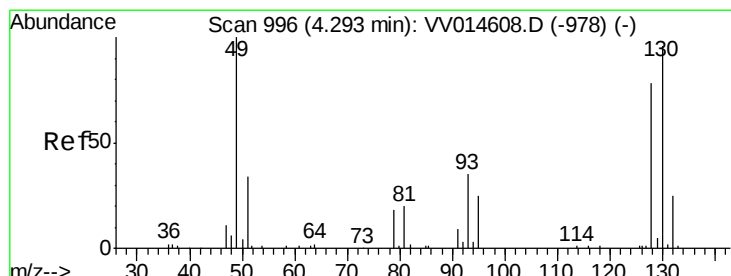
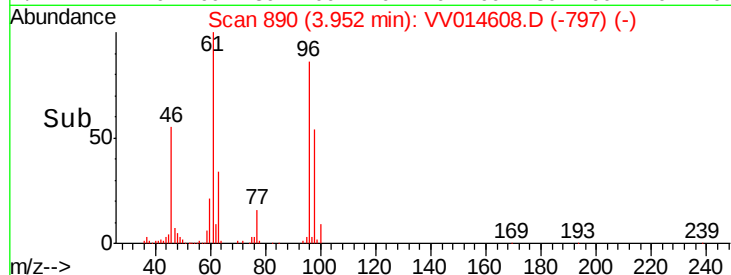
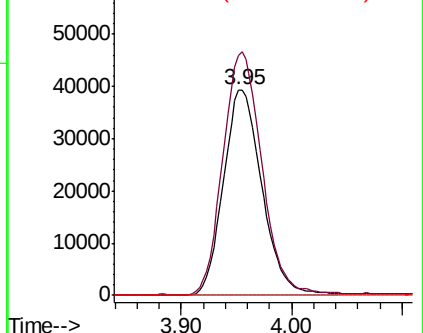
cis-1,2-Dichloroethene
 Concen: 5.004 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

Tgt Ion: 96 Resp: 95215
 Ion Ratio Lower Upper
 96 100
 61 116.5 81.5 151.5
 68 0.0 0.0 0.0



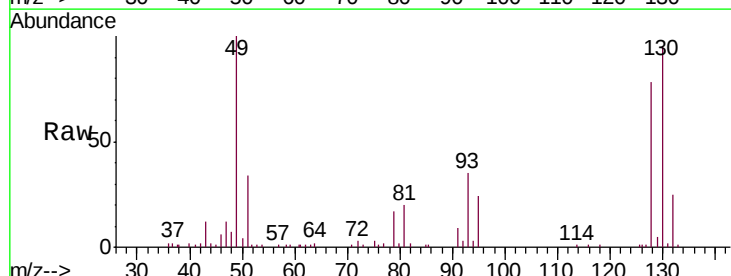
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



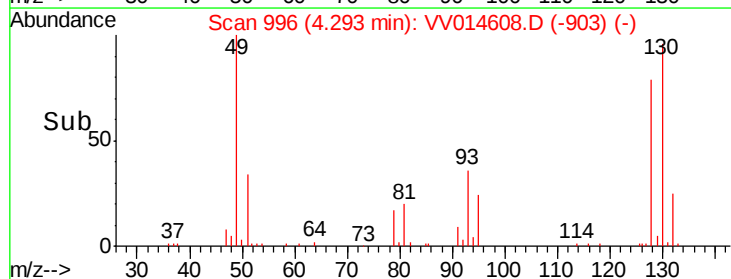
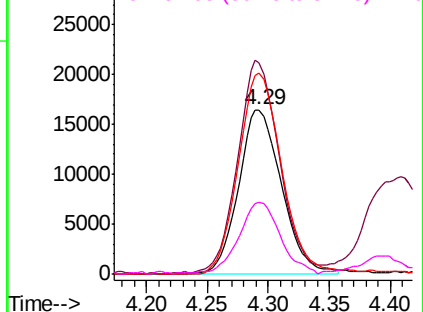
#23

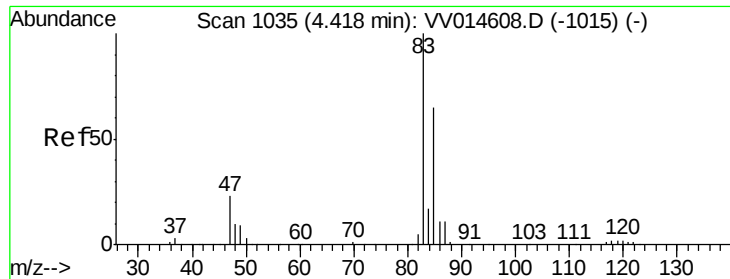
Bromochloromethane
 Concen: 5.467 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 128 Resp: 40153
 Ion Ratio Lower Upper
 128 100
 49 128.8 90.2 167.4
 130 122.3 85.6 159.0
 51 44.0 35.2 52.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

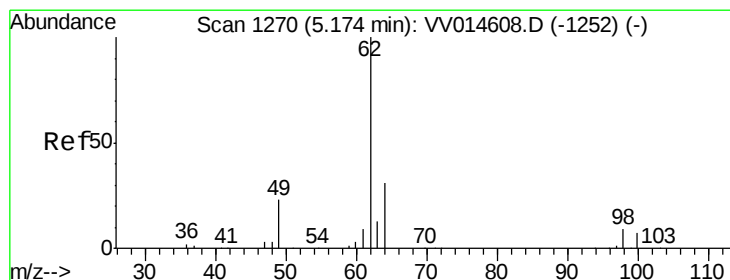
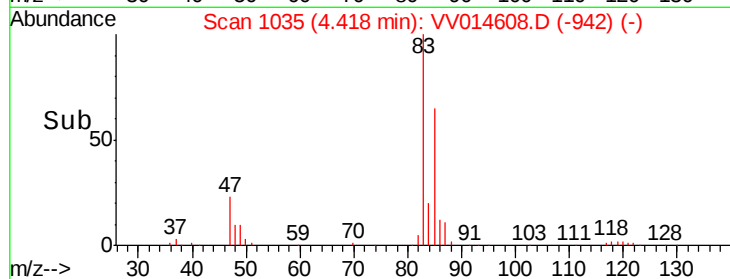
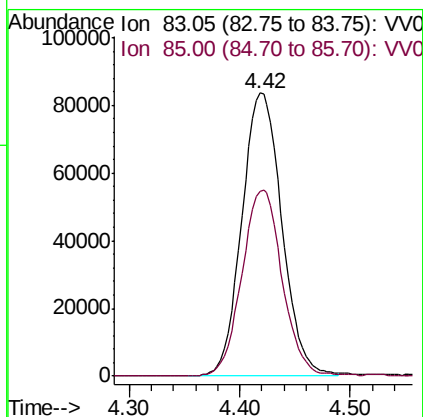
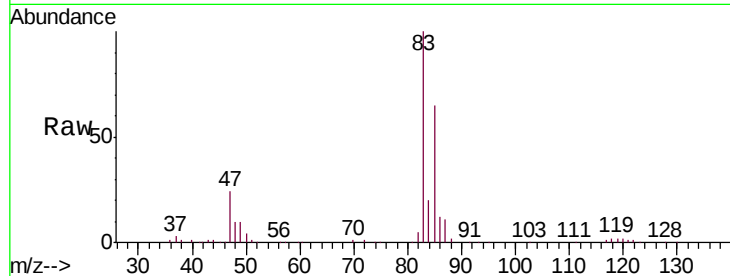




#25
Chloroform
Concen: 6.159 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

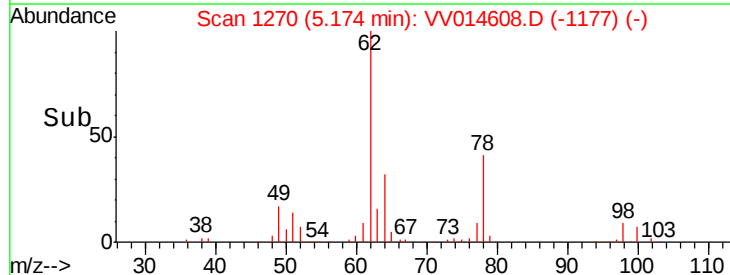
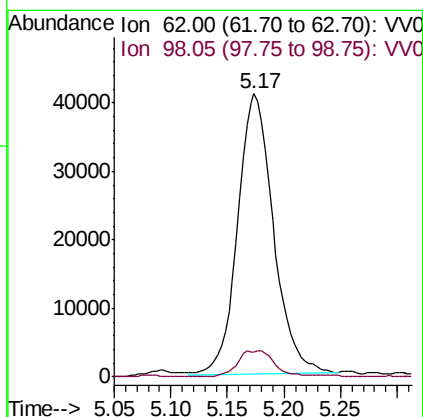
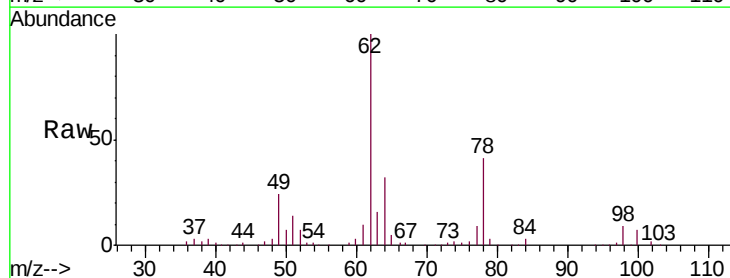
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

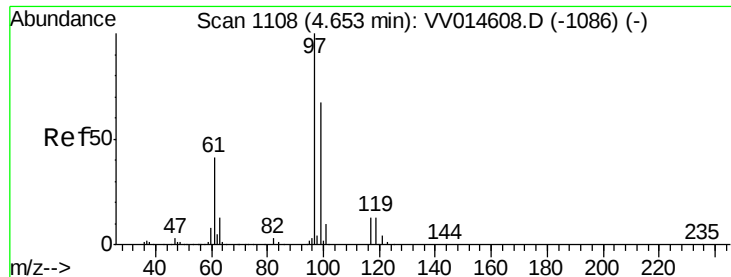
Tgt Ion: 83 Resp: 210673
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.923 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion: 62 Resp: 90500
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

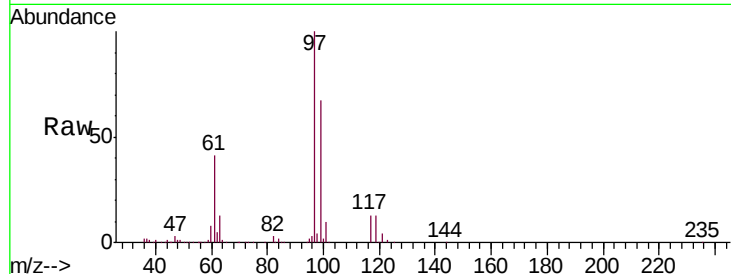




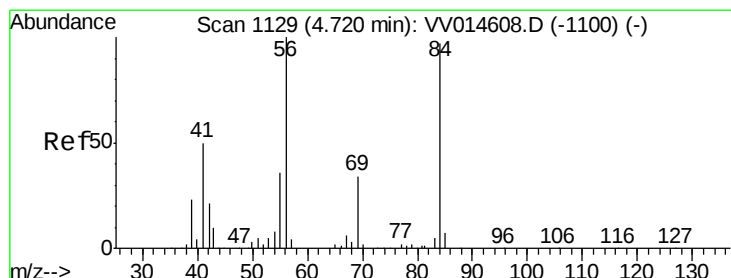
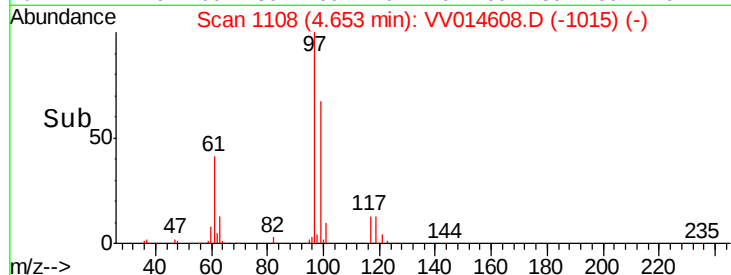
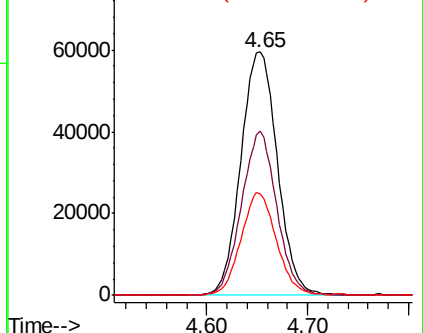
#29
 1,1,1-Trichloroethane
 Concen: 5.156 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

Tgt Ion: 97 Resp: 149713
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 41.0 32.8 49.2

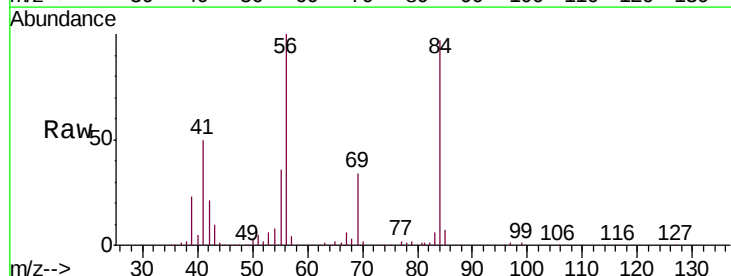


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

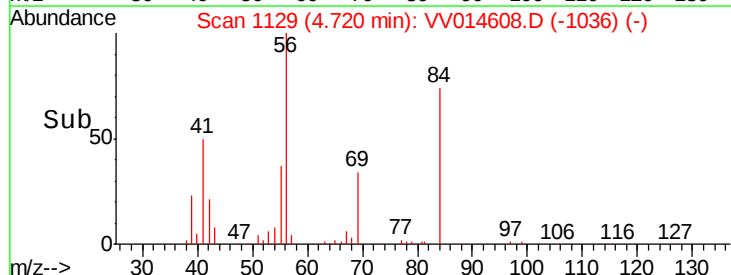
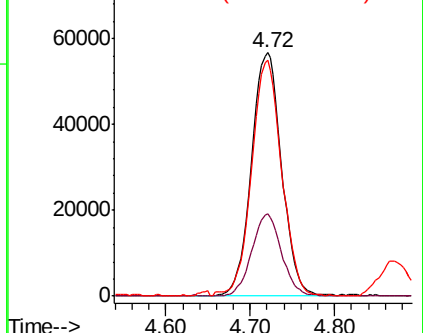


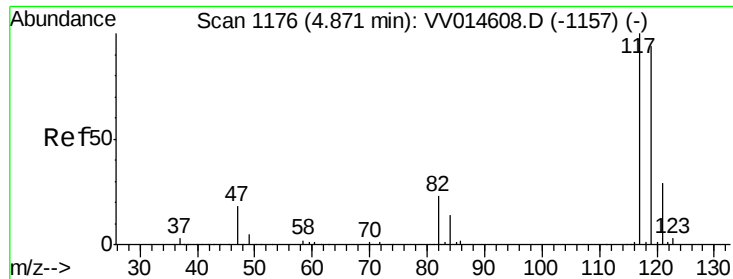
#30
 Cyclohexane
 Concen: 4.163 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 56 Resp: 140972
 Ion Ratio Lower Upper
 56 100
 69 33.4 26.7 40.1
 84 94.9 75.9 113.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.273 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

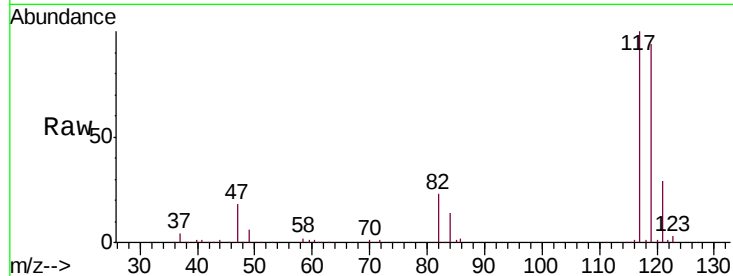
VSTD005703

Tgt Ion:117 Resp: 133137

Ion Ratio Lower Upper

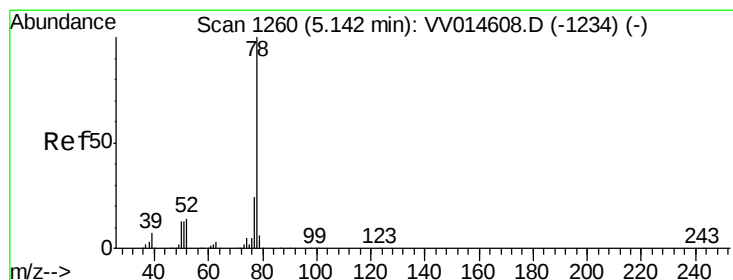
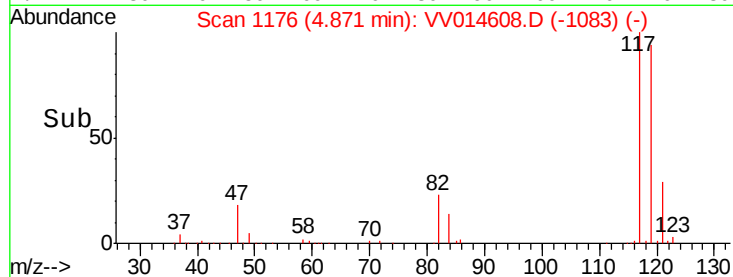
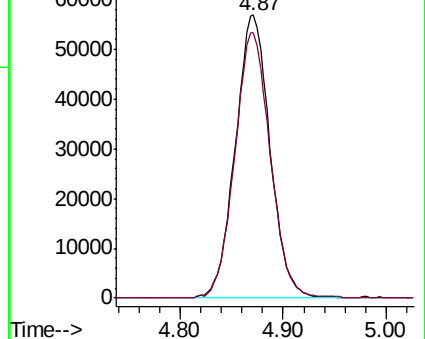
117 100

119 95.6 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.704 ug/L

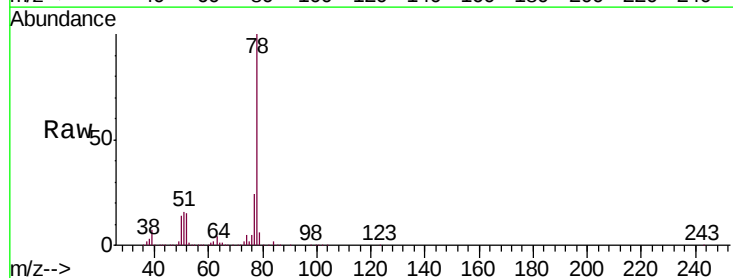
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

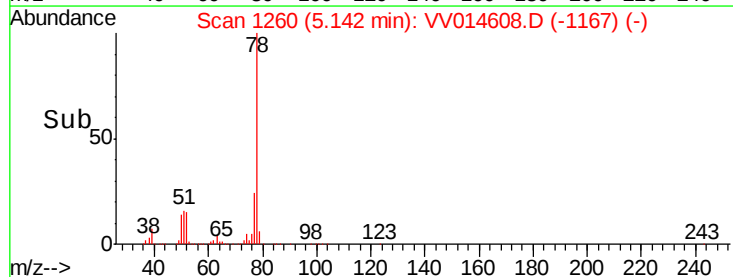
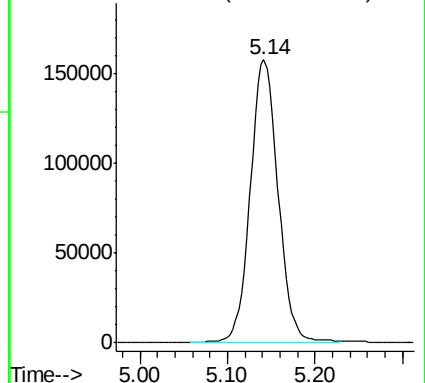
Lab File: VV014608.D

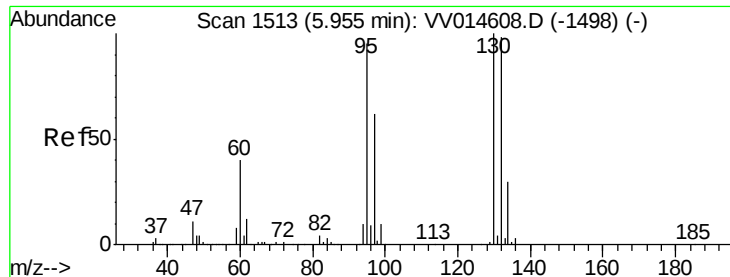
Acq: 19 Feb 2020 15:48

Tgt Ion: 78 Resp: 349175



Abundance Ion 78.10 (77.80 to 78.80): VV0

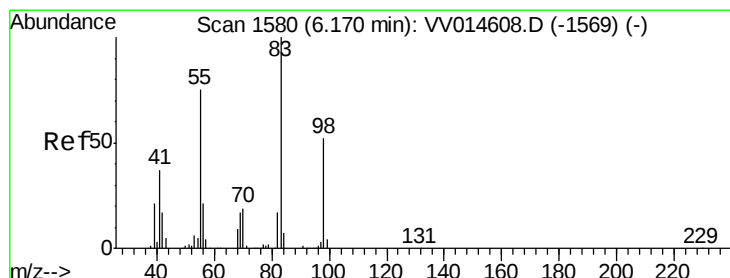
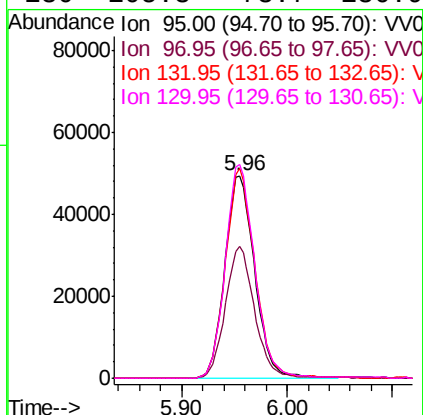
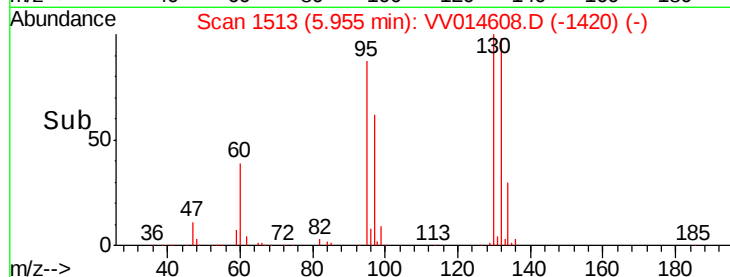
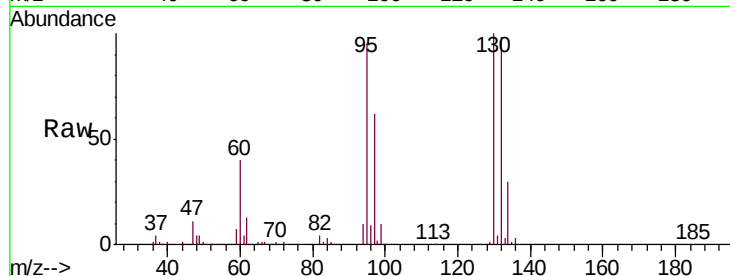




#34
 Trichloroethene
 Concen: 4.961 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

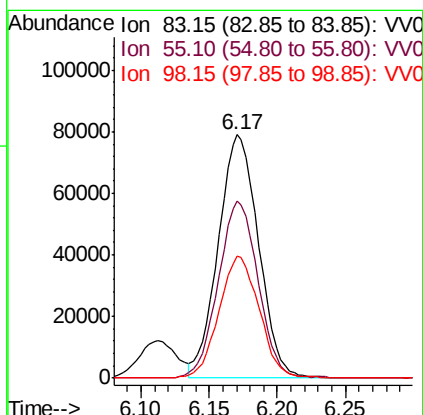
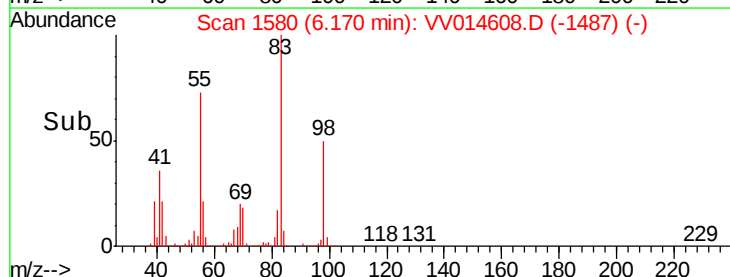
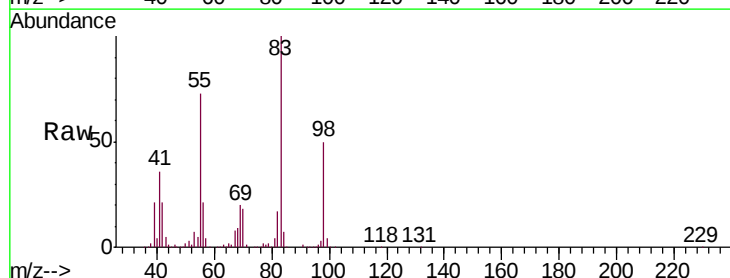
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

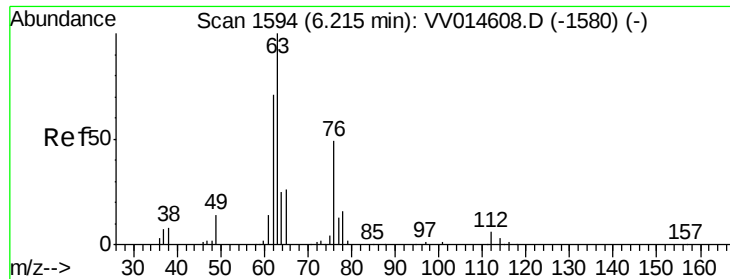
Tgt Ion:	95	Resp:	96758
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.4	84.2
132	103.4	72.4	134.4
130	105.3	73.7	136.9



#35
 Methylcyclohexane
 Concen: 4.735 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion:	83	Resp:	161564
Ion	Ratio	Lower	Upper
83	100		
55	71.4	57.1	85.7
98	50.2	40.2	60.2

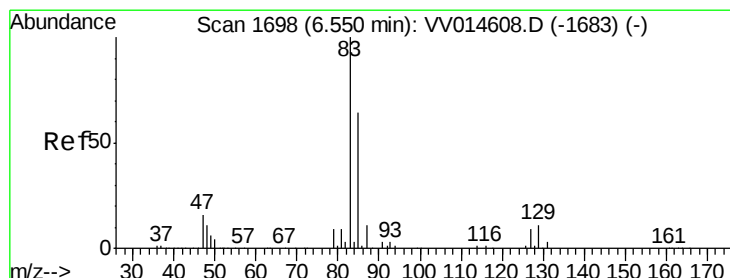
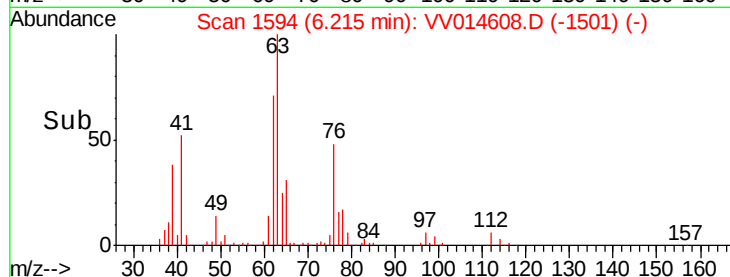
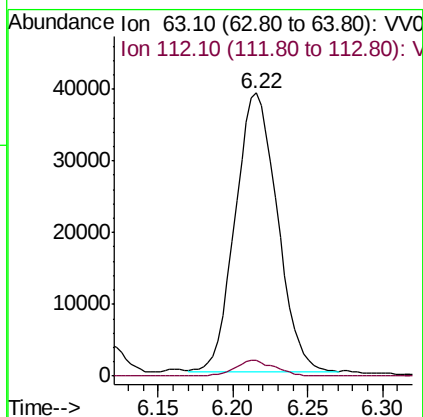
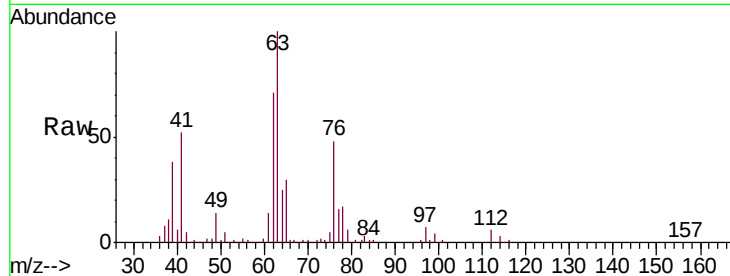




#37
 1,2-Dichloropropane
 Concen: 4.271 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

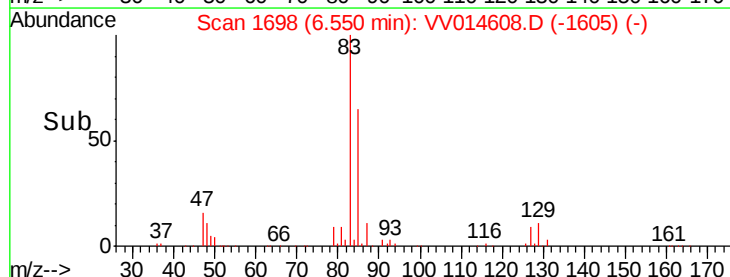
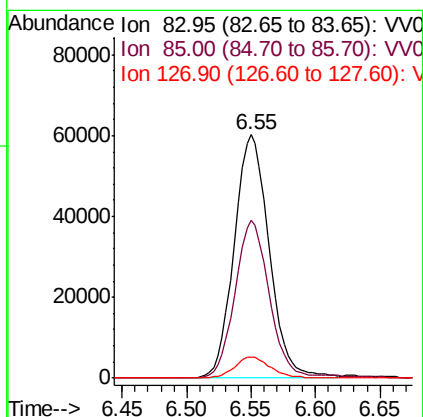
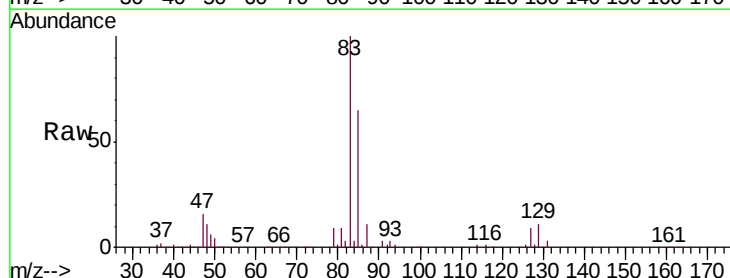
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

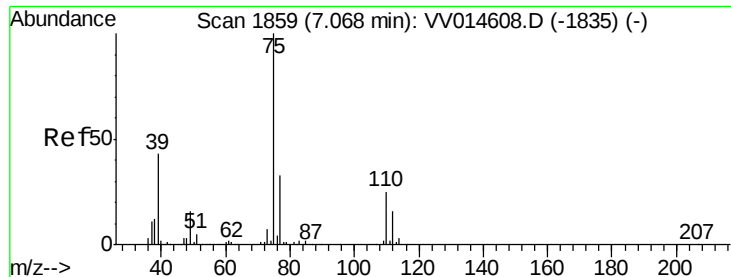
Tgt Ion: 63 Resp: 76050
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.3 6.5



#38
 Bromodichloromethane
 Concen: 4.925 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 83 Resp: 113863
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.2 84.0
 127 8.8 7.0 10.6

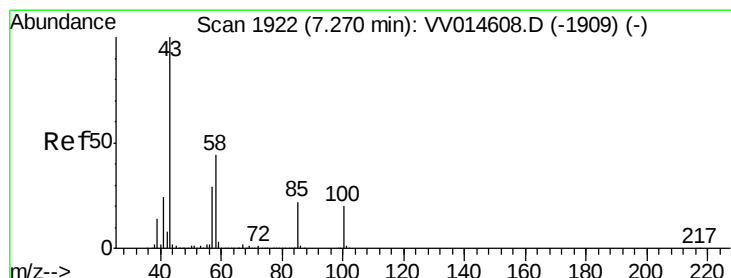
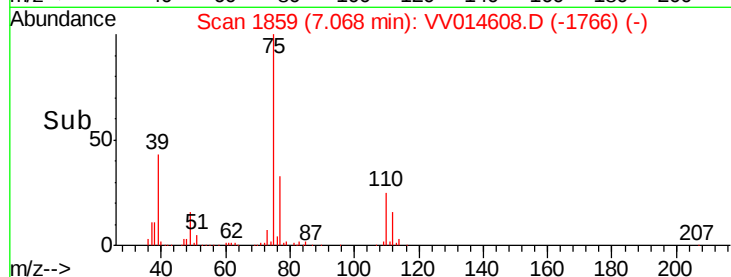
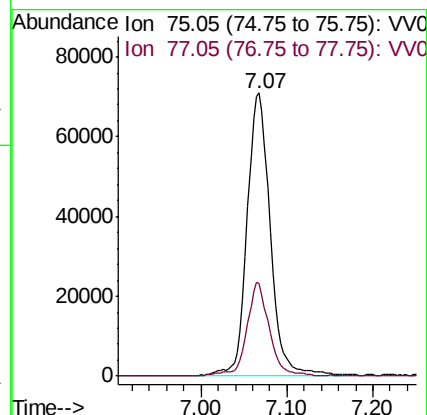
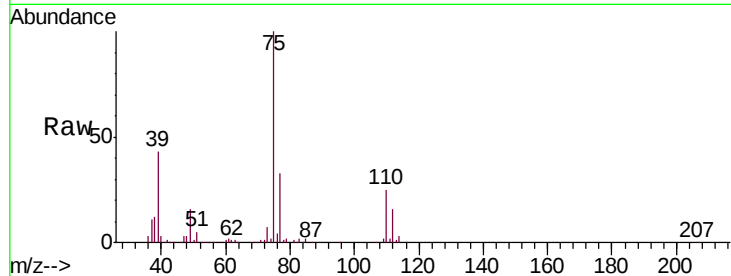




#39
 cis-1,3-Dichloropropene
 Concen: 4.706 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

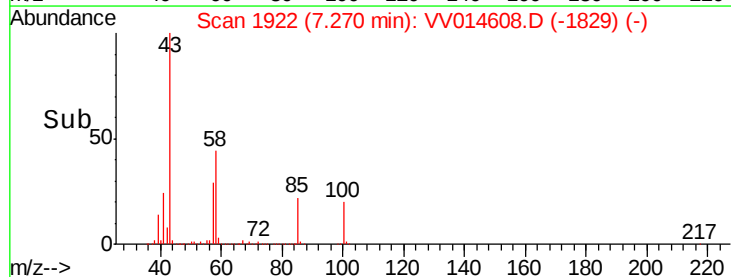
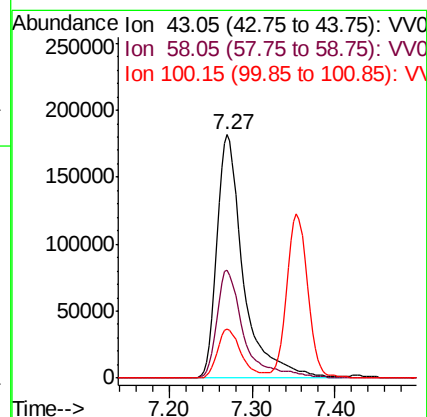
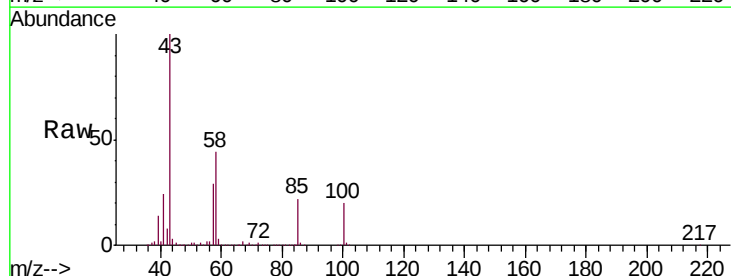
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

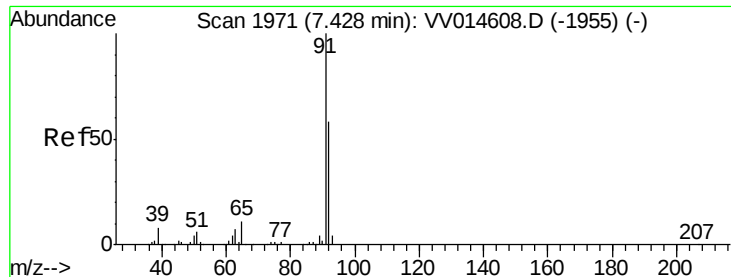
Tgt Ion: 75 Resp: 133736
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 39.099 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 43 Resp: 405513
 Ion Ratio Lower Upper
 43 100
 58 45.2 36.2 54.2
 100 18.4 14.7 22.1





#42

Toluene

Concen: 4.869 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

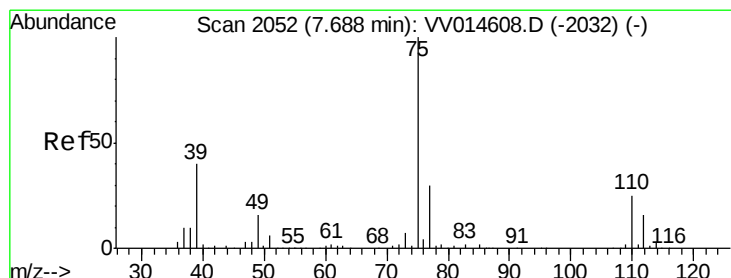
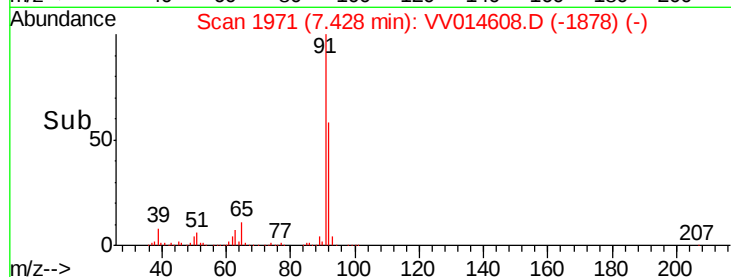
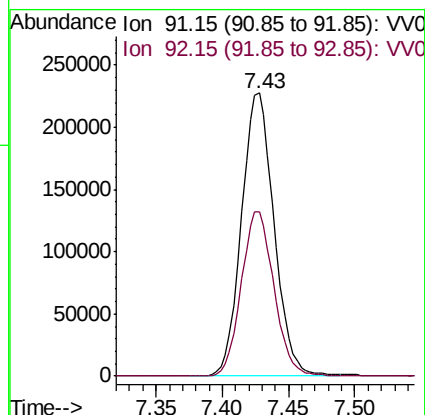
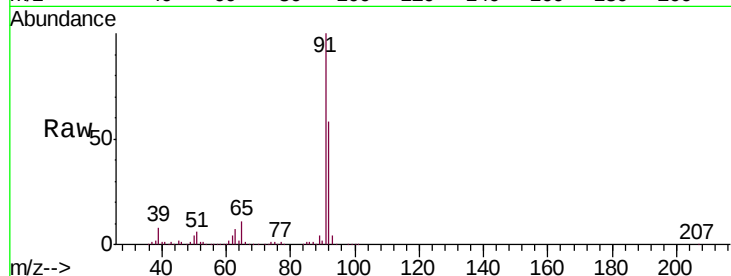
VSTD005703

Tgt Ion: 91 Resp: 388407

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.798 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014608.D

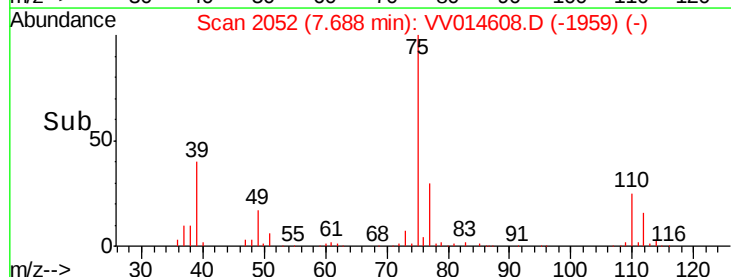
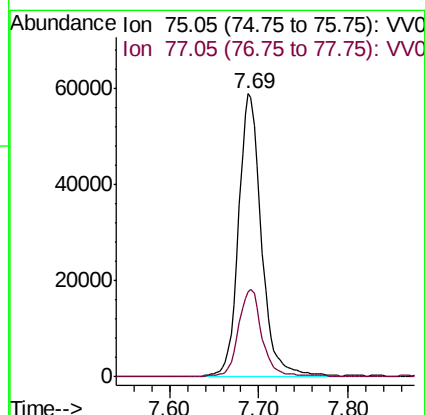
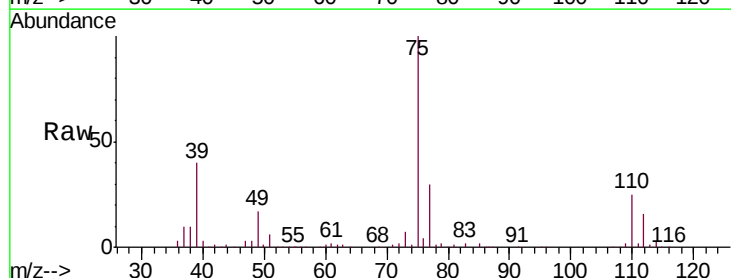
Acq: 19 Feb 2020 15:48

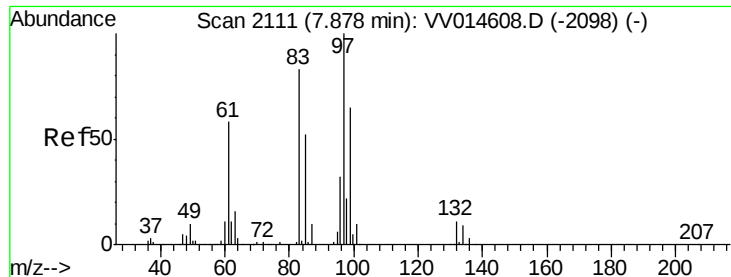
Tgt Ion: 75 Resp: 105301

Ion Ratio Lower Upper

75 100

77 30.0 21.0 39.0

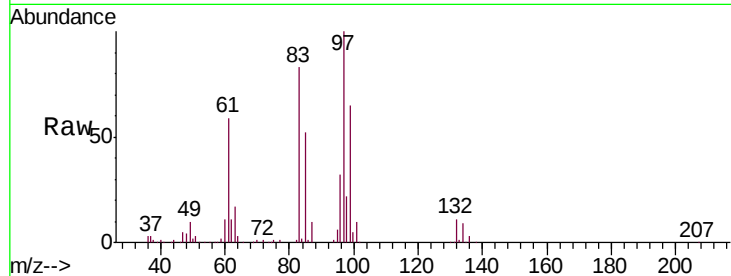




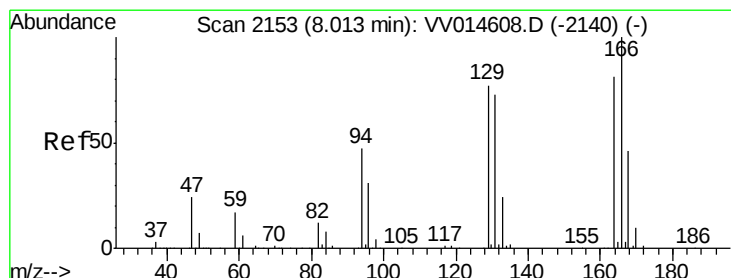
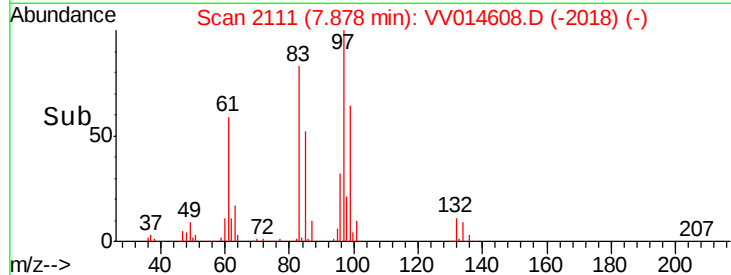
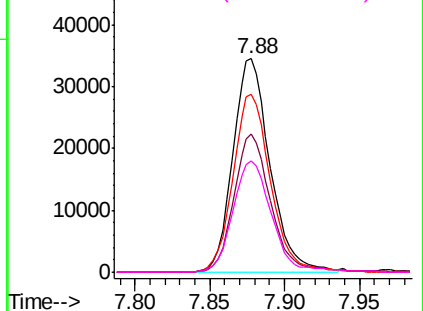
#45
 1,1,2-Trichloroethane
 Concen: 5.102 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

Tgt Ion: 97 Resp: 59739
 Ion Ratio Lower Upper
 97 100
 99 64.6 45.2 84.0
 83 83.3 58.3 108.3
 85 51.9 36.3 67.5

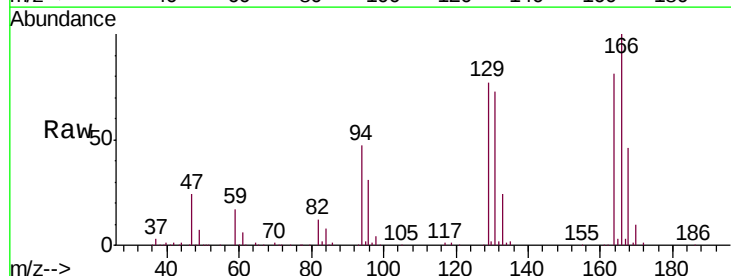


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

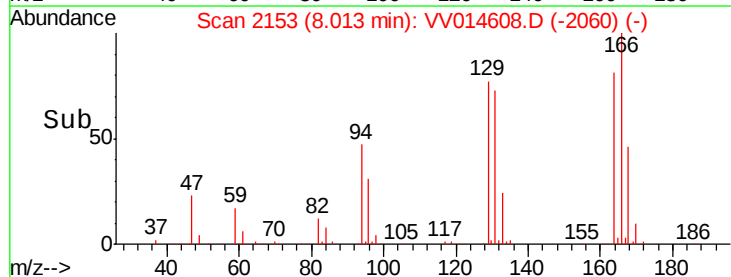
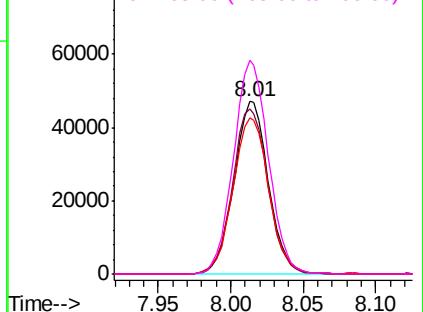


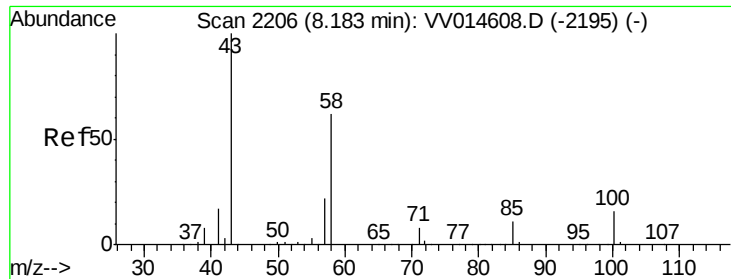
#47
 Tetrachloroethene
 Concen: 5.596 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 164 Resp: 77487
 Ion Ratio Lower Upper
 164 100
 129 95.7 67.0 124.4
 131 90.9 63.6 118.2
 166 123.9 86.7 161.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

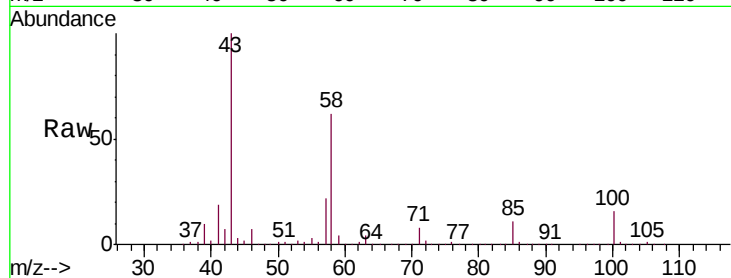




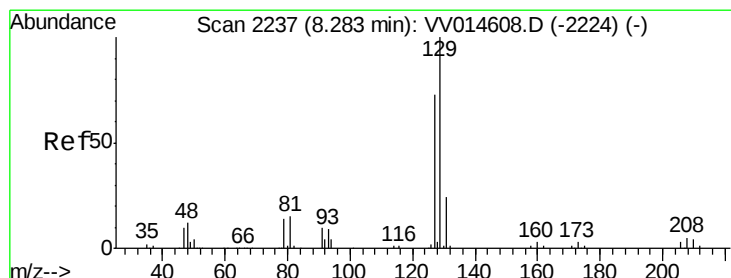
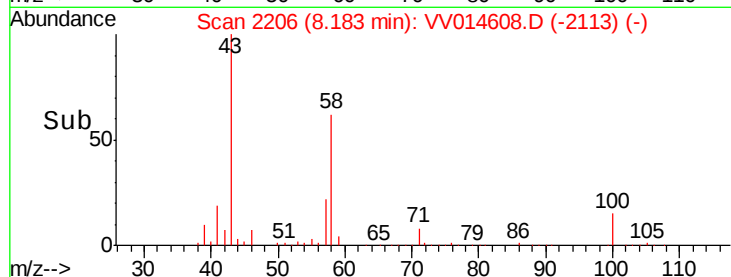
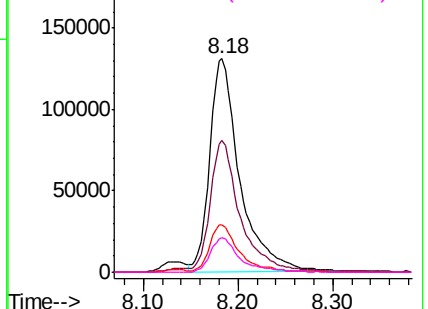
#48
2-Hexanone
Concen: 40.618 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

Tgt Ion: 43 Resp: 288639
Ion Ratio Lower Upper
43 100
58 60.8 48.6 73.0
57 22.1 17.7 26.5
100 16.0 12.8 19.2

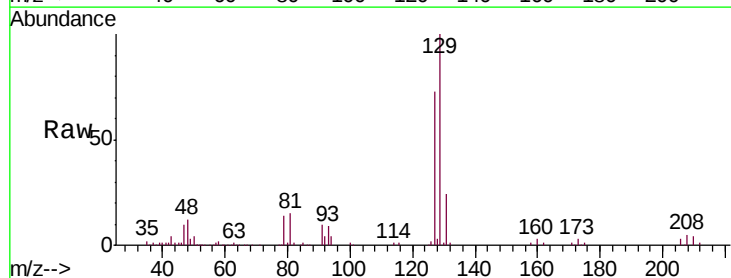


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

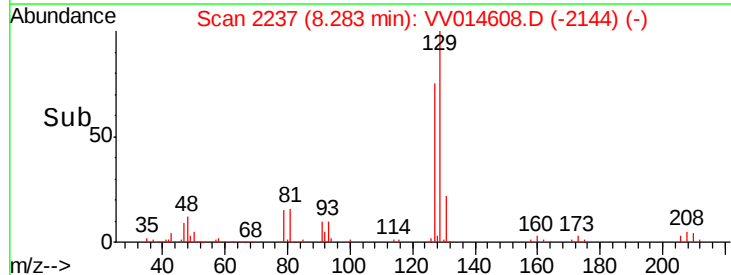
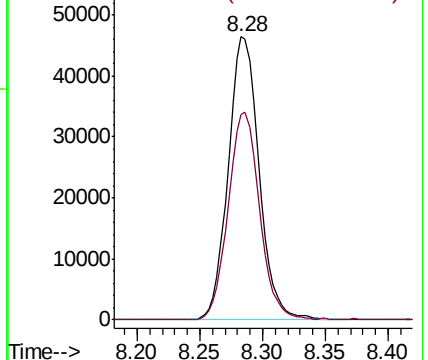


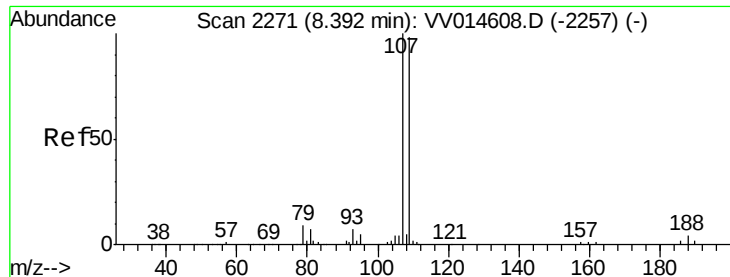
#49
Dibromochloromethane
Concen: 5.437 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion: 129 Resp: 79395
Ion Ratio Lower Upper
129 100
127 72.7 50.9 94.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

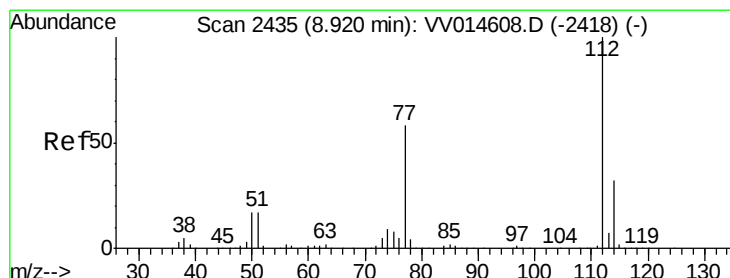
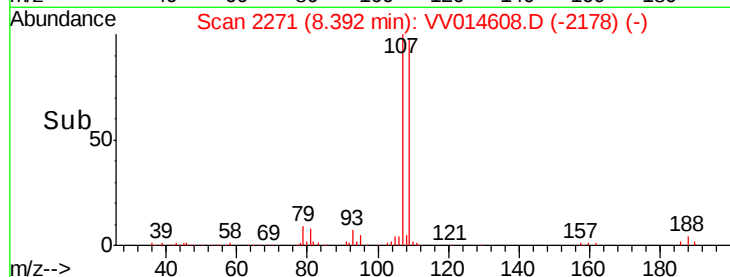
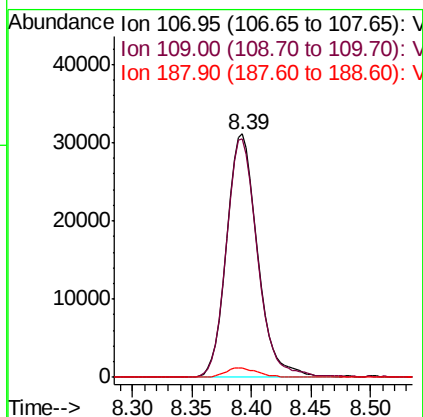
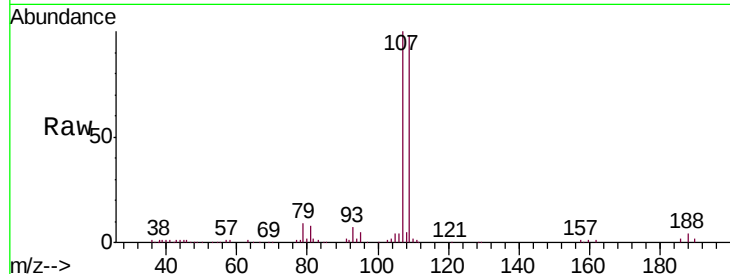




#50
1,2-Dibromoethane
Concen: 5.166 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

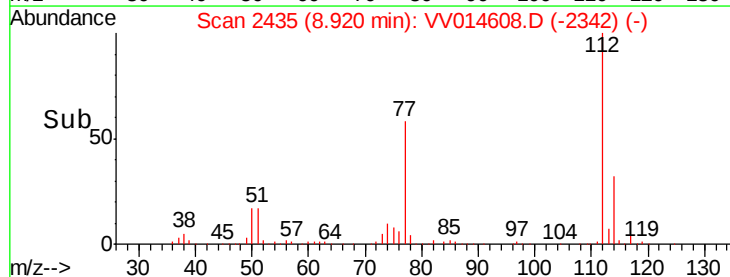
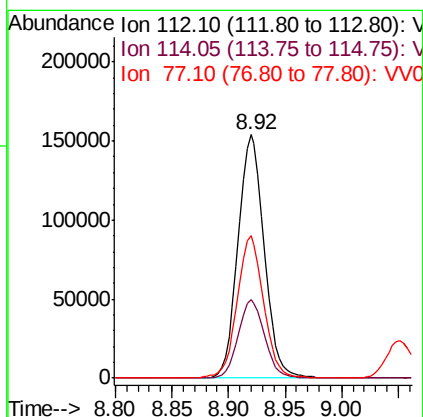
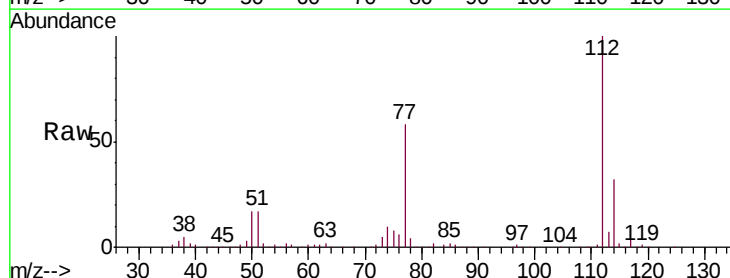
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

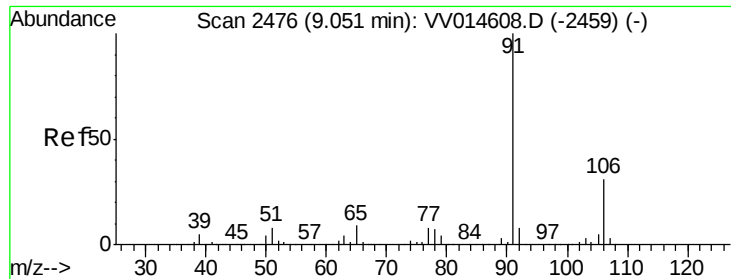
Tgt Ion:107 Resp: 56204
Ion Ratio Lower Upper
107 100
109 98.1 68.7 127.5
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 5.053 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion:112 Resp: 248927
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 58.3 46.6 70.0

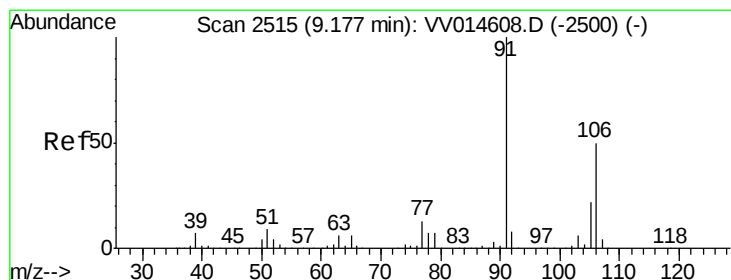
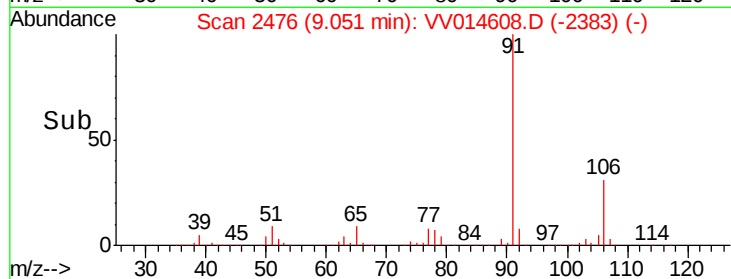
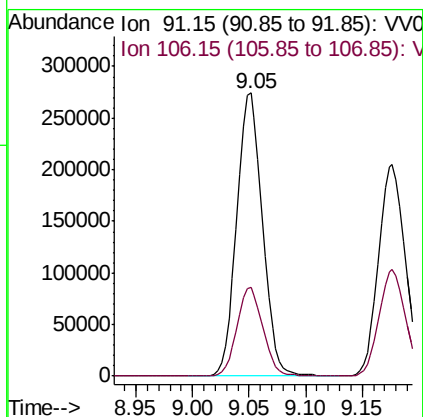
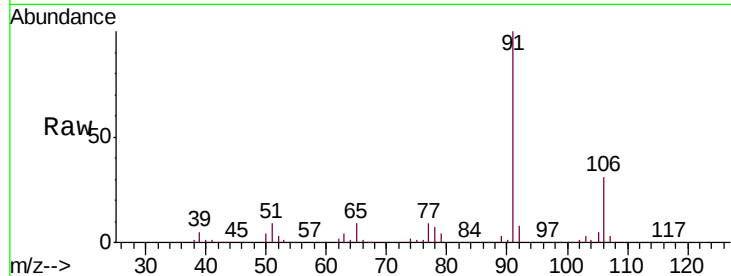




#52
Ethylbenzene
Concen: 4.877 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

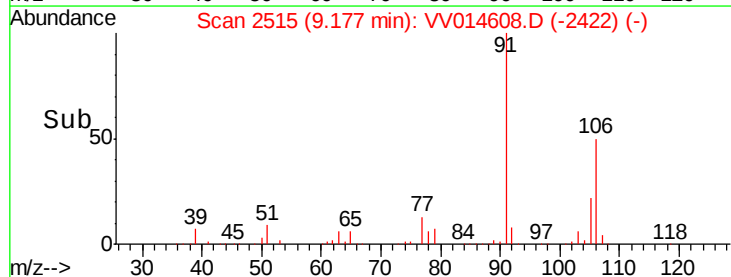
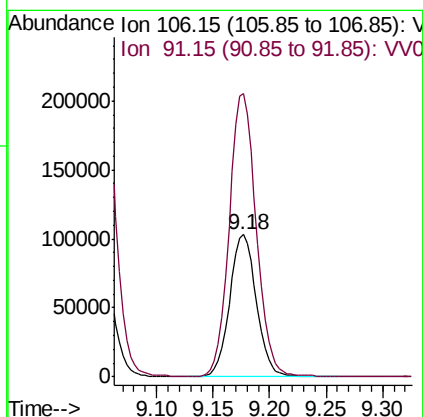
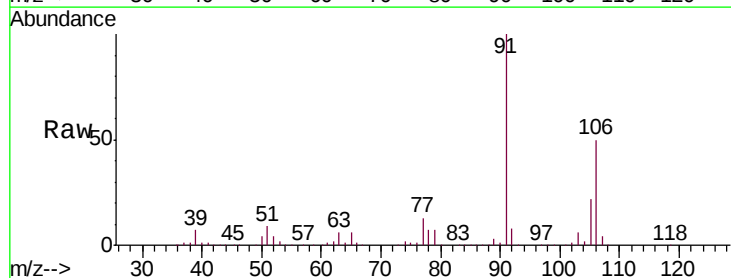
Instrument :
MSVOA_V
ClientSampleId :
VSTD005703

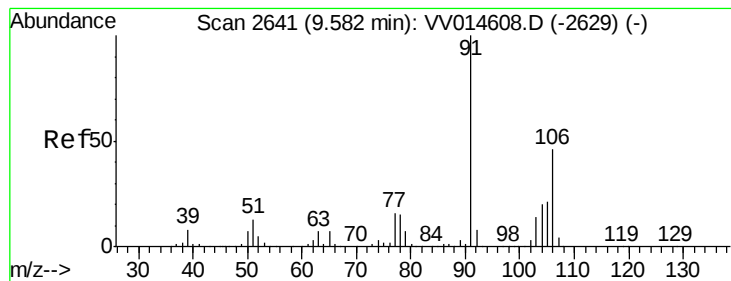
Tgt Ion: 91 Resp: 436702
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-xylene
Concen: 5.047 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014608.D
Acq: 19 Feb 2020 15:48

Tgt Ion: 106 Resp: 168298
Ion Ratio Lower Upper
106 100
91 199.4 139.6 259.2





#54

o-xylene

Concen: 4.983 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

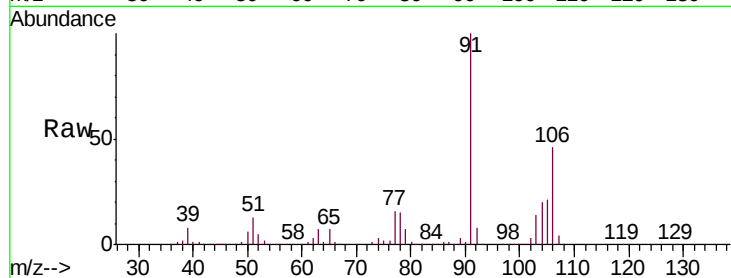
VSTD005703

Tgt Ion:106 Resp: 160647

Ion Ratio Lower Upper

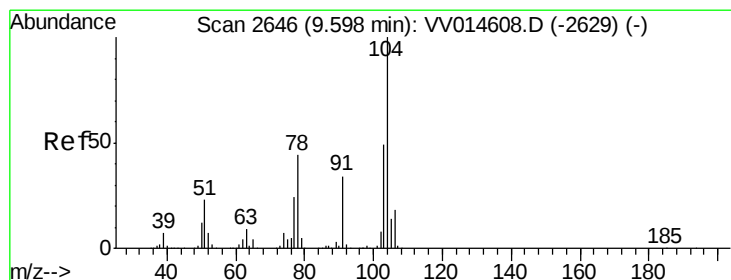
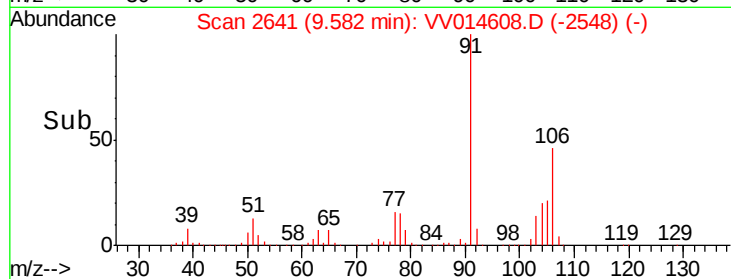
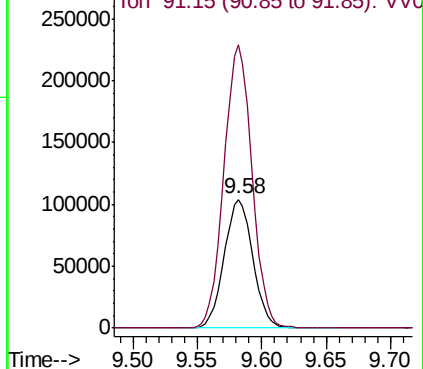
106 100

91 219.8 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.019 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014608.D

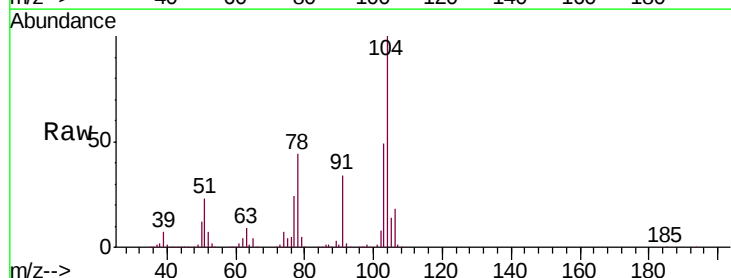
Acq: 19 Feb 2020 15:48

Tgt Ion:104 Resp: 268197

Ion Ratio Lower Upper

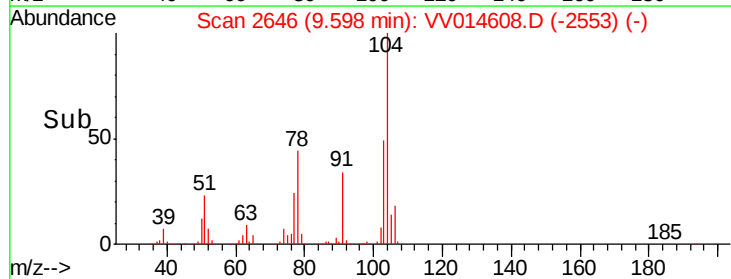
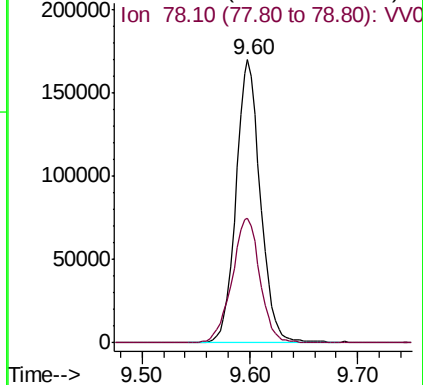
104 100

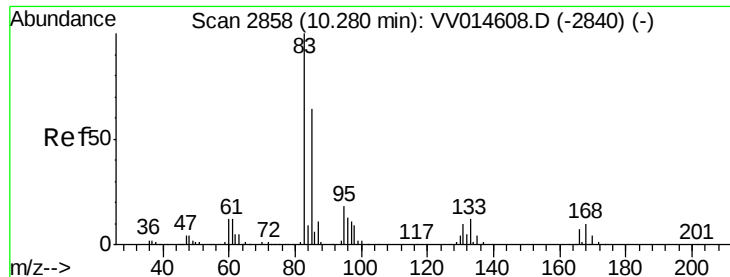
78 44.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.915 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VSTD005703

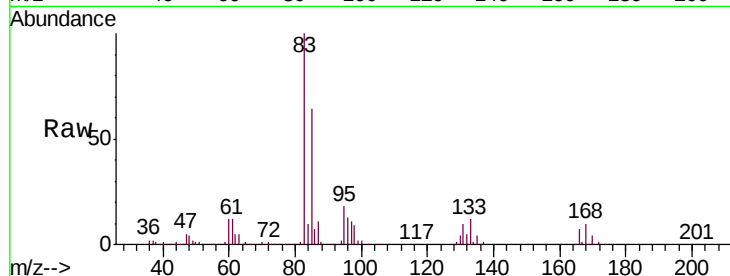
Tgt Ion: 83 Resp: 69752

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

131 10.1 8.1 12.1

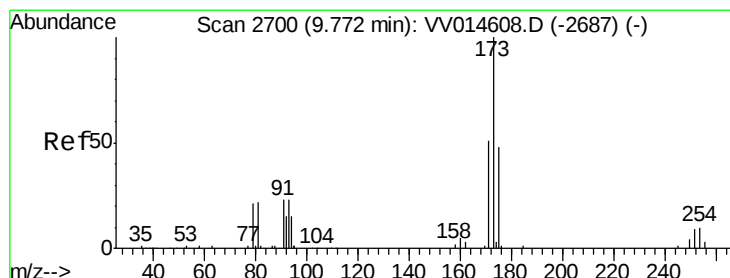
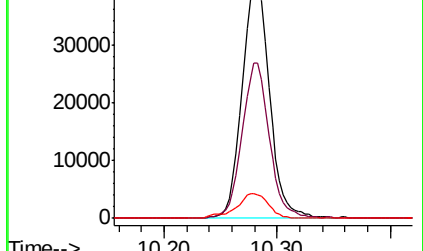
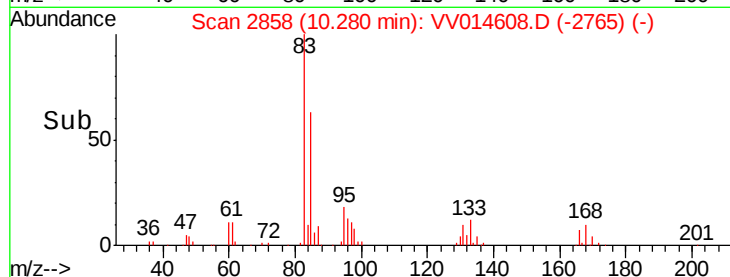


Abundance Ion 82.95 (82.65 to 83.65): VV014608.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV014608.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV014608.D (-2840) (-)

Time-->



#59

Bromoform

Concen: 5.073 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

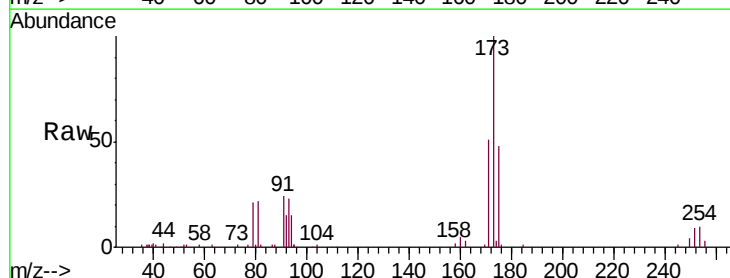
Tgt Ion: 173 Resp: 38814

Ion Ratio Lower Upper

173 100

175 50.0 40.0 60.0

254 10.2 8.2 12.2

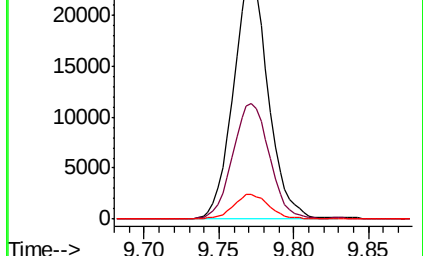
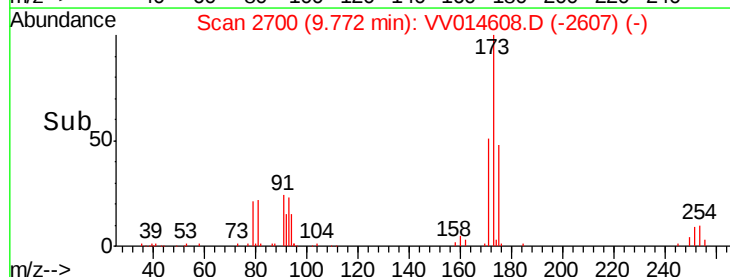


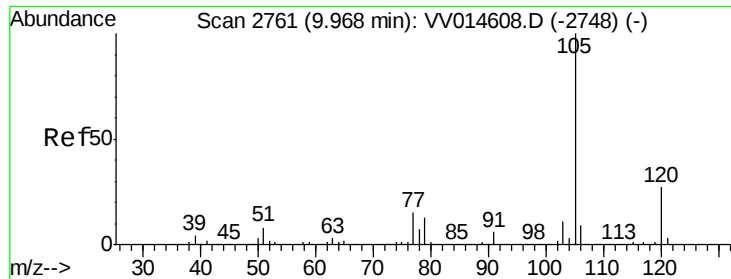
Abundance Ion 172.90 (172.60 to 173.60): VV014608.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014608.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014608.D (-2687) (-)

Time-->





#60

Isopropylbenzene

Concen: 4.778 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005703

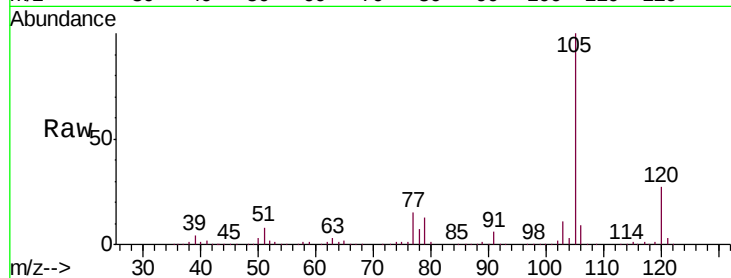
Tgt Ion: 105 Resp: 433913

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

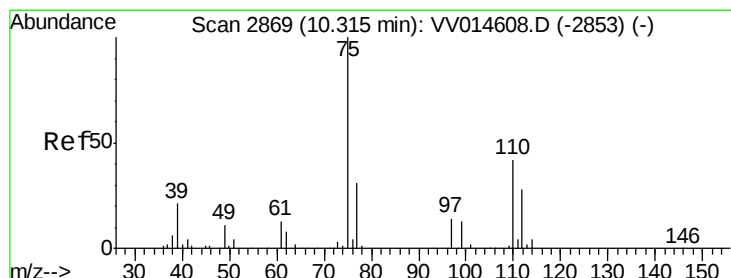
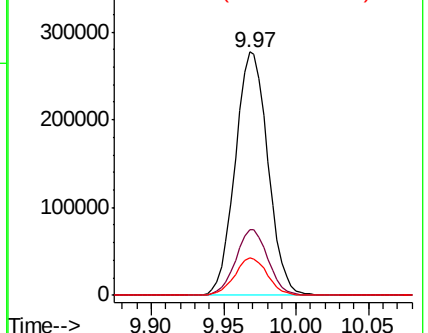
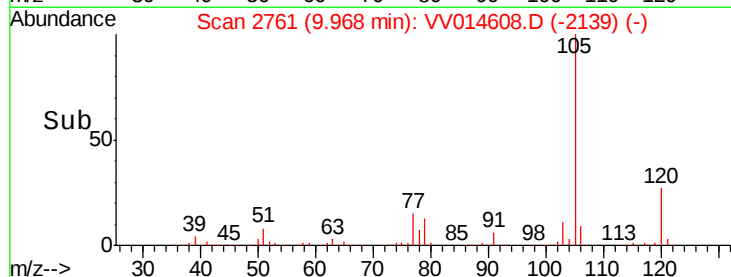
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.619 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

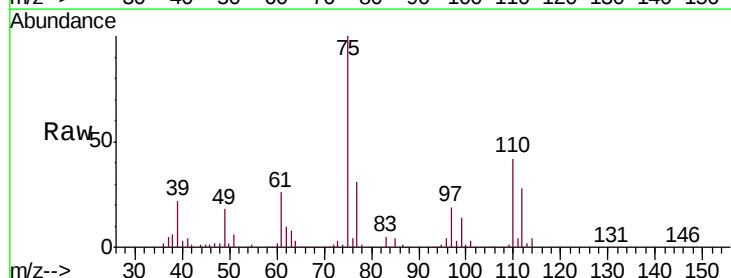
Tgt Ion: 75 Resp: 50016

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5

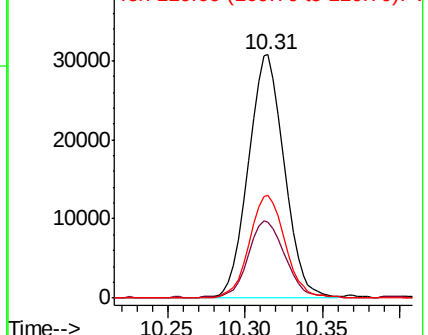
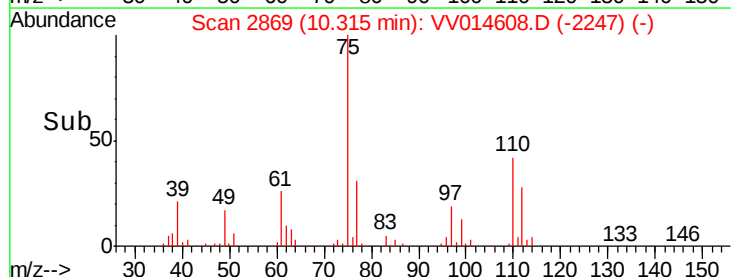
110 42.0 33.6 50.4

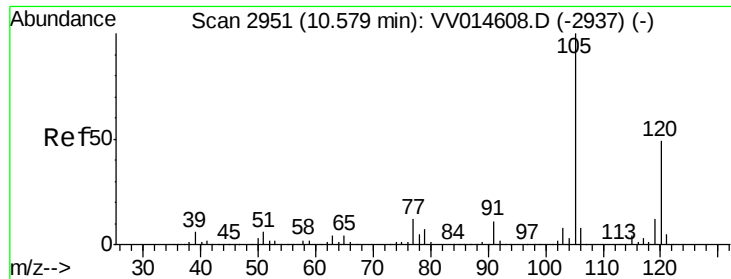


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

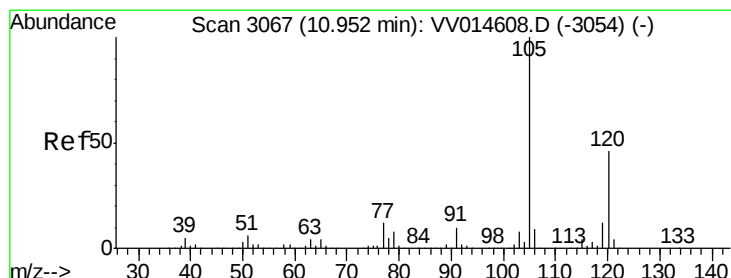
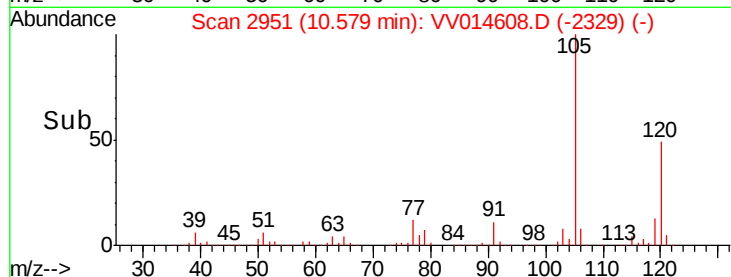
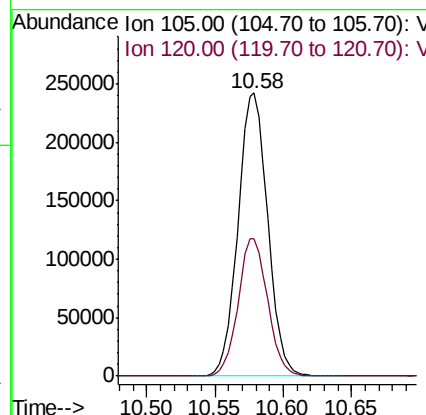
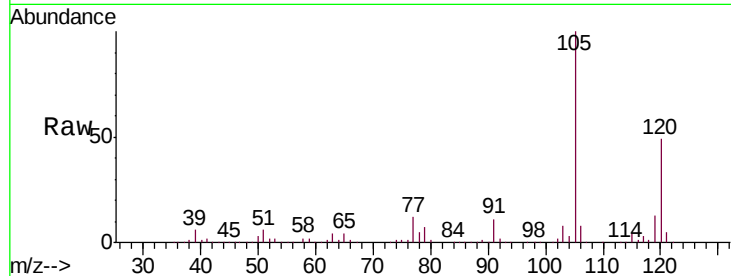




#62
 1,3,5-Trimethylbenzene
 Concen: 4.781 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

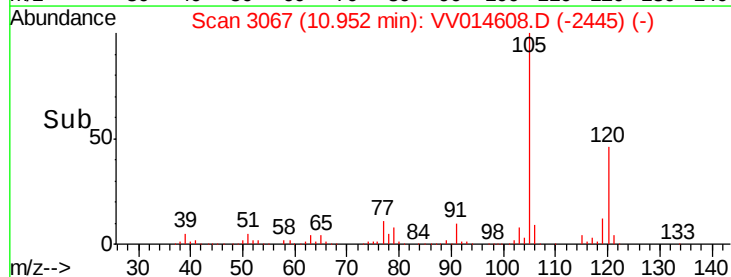
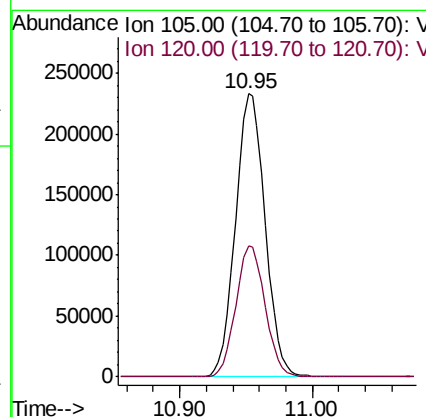
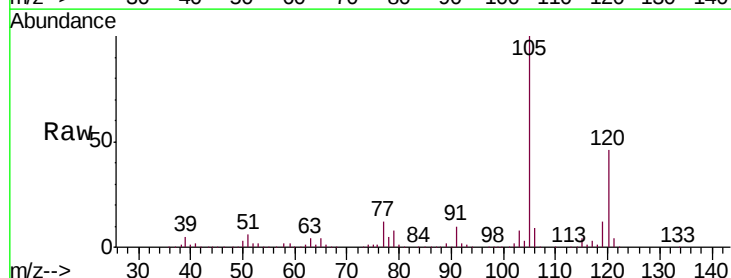
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

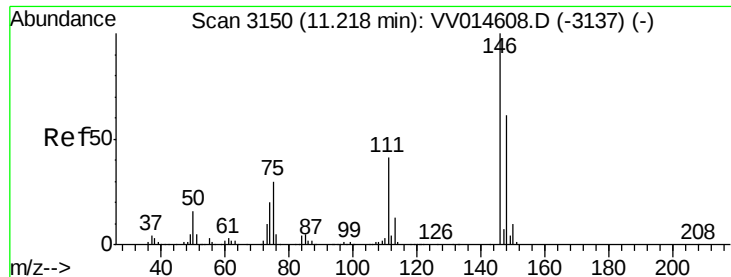
Tgt Ion:105 Resp: 365381
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.752 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion:105 Resp: 361134
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 5.160 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005703

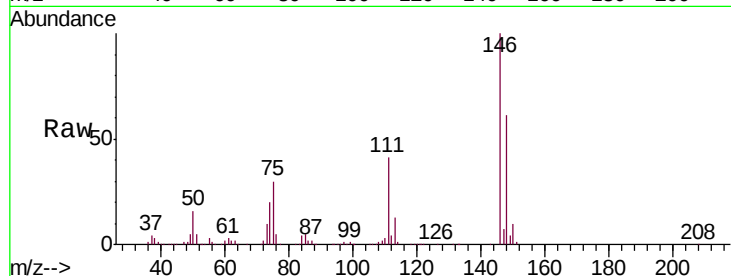
Tgt Ion:146 Resp: 198130

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

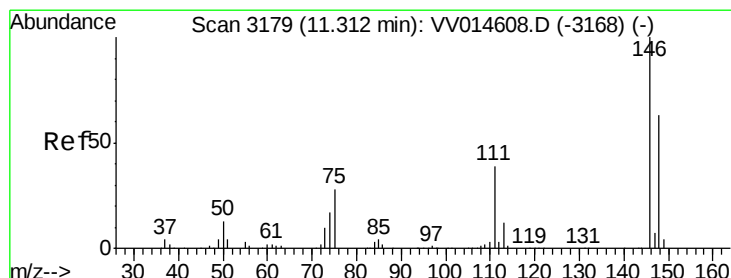
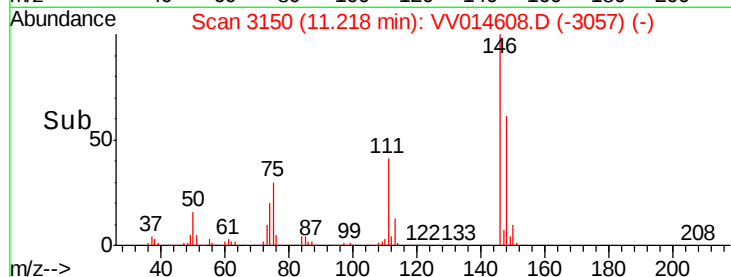
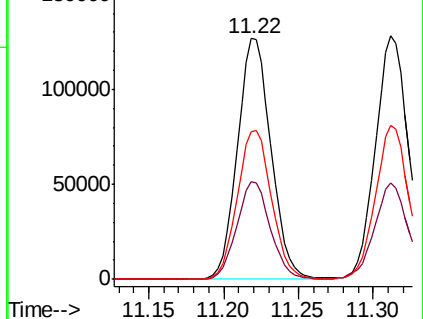
148 61.4 43.0 79.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 5.086 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

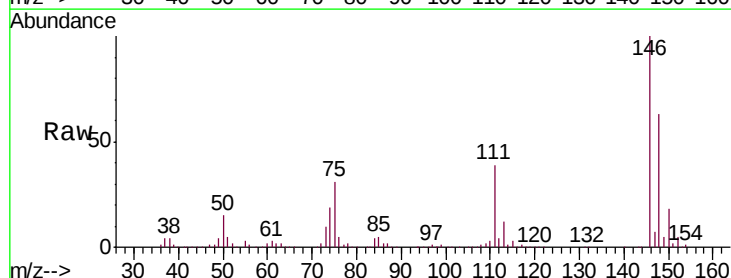
Tgt Ion:146 Resp: 198555

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

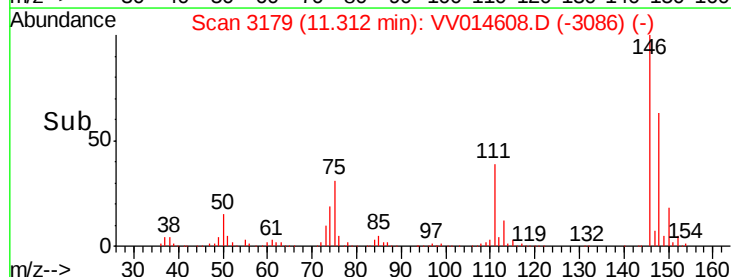
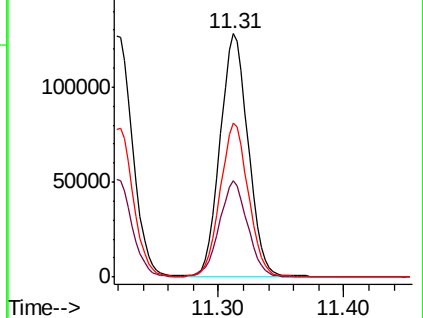
148 63.3 44.3 82.3

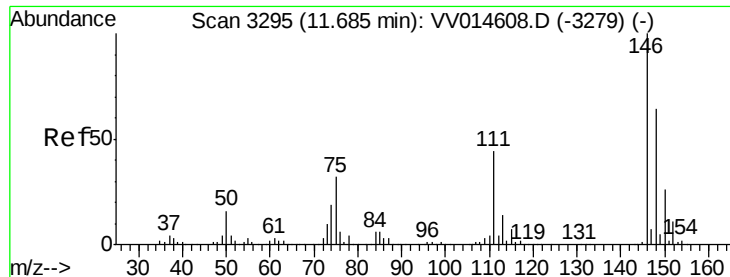


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

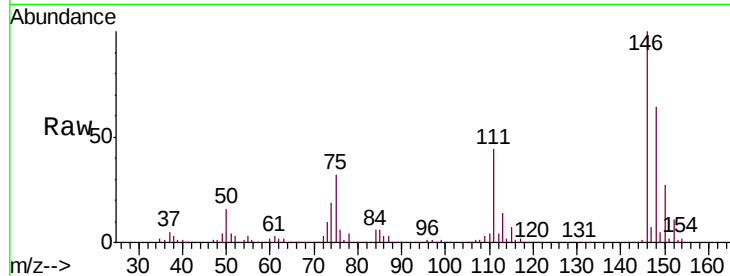




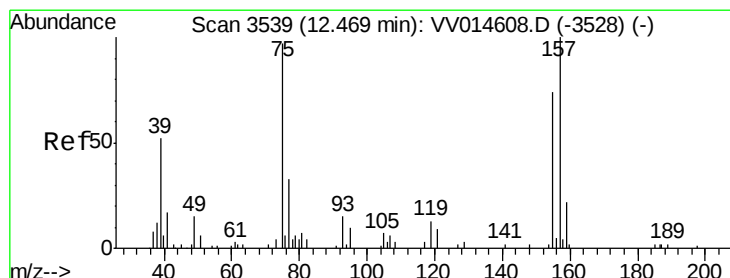
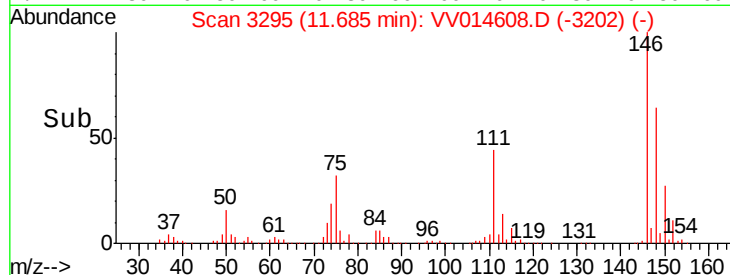
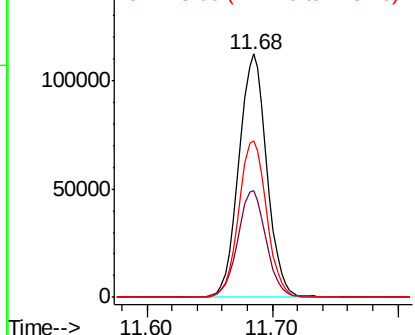
#67
 1,2-Dichlorobenzene
 Concen: 5.068 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

Tgt Ion: 146 Resp: 174298
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.0 52.4
 148 64.2 51.4 77.0

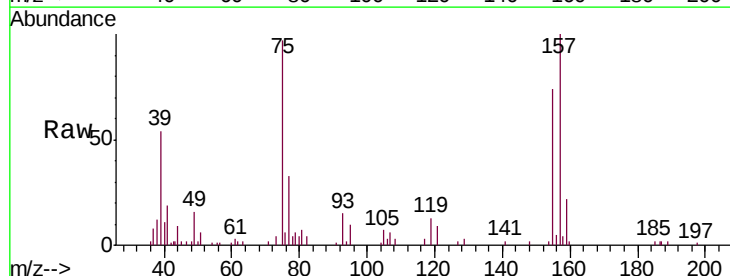


Abundance Ion 145.95 (145.65 to 146.65): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

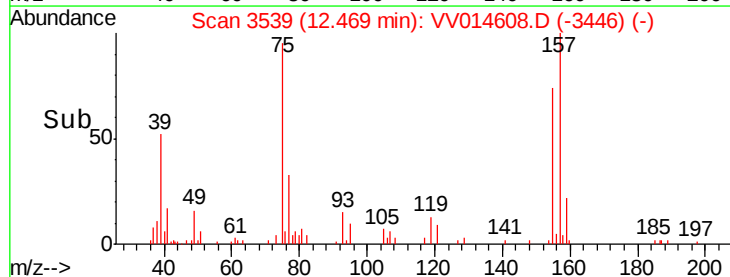
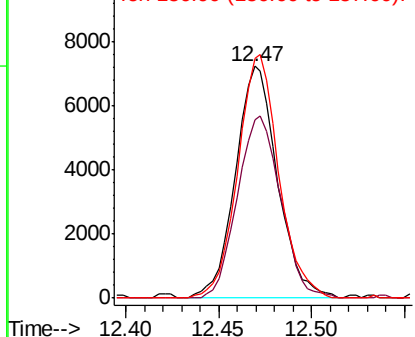


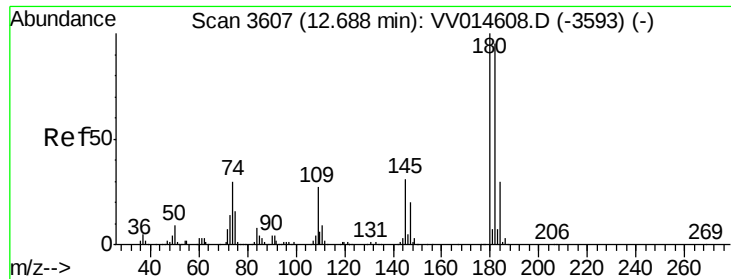
#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.177 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion: 75 Resp: 11400
 Ion Ratio Lower Upper
 75 100
 155 76.8 61.4 92.2
 157 103.5 82.8 124.2



Abundance Ion 75.05 (74.75 to 75.75): VV0
 10000 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

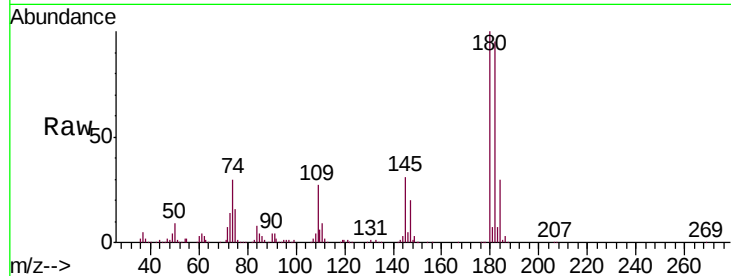




#69
 1,3,5-Trichlorobenzene
 Concen: 5.220 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005703

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
184	29.9	23.9	35.9
145	31.8	25.4	38.2



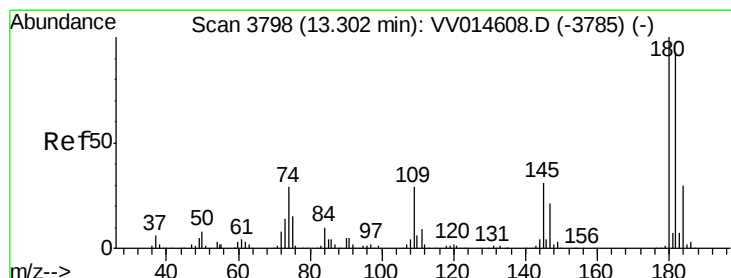
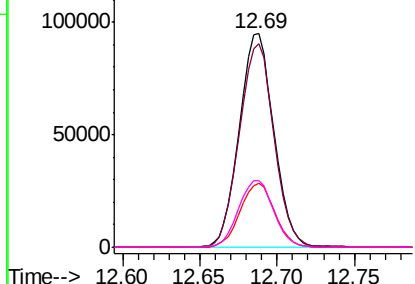
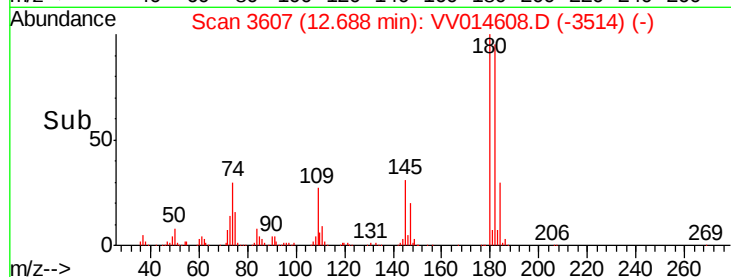
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

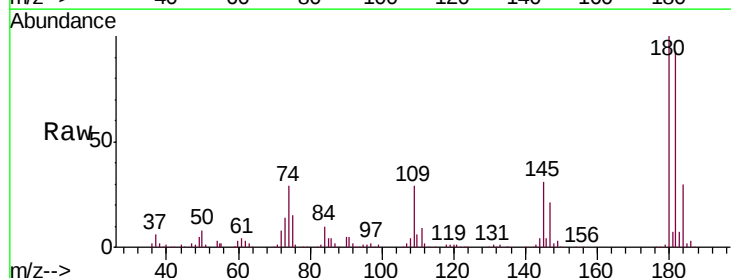
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.279 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014608.D
 Acq: 19 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	31.4	25.1	37.7

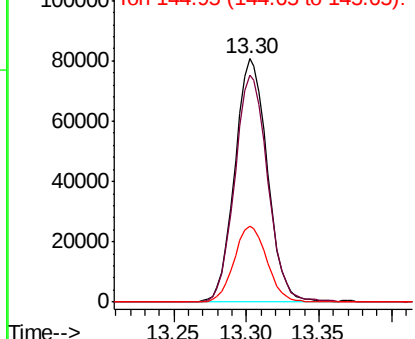
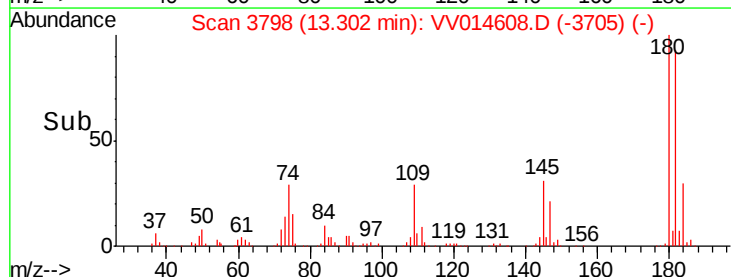


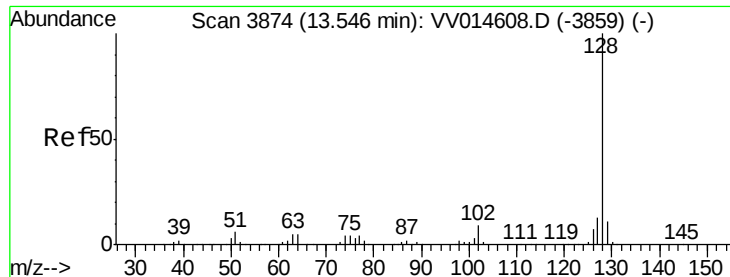
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 4.845 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD005703

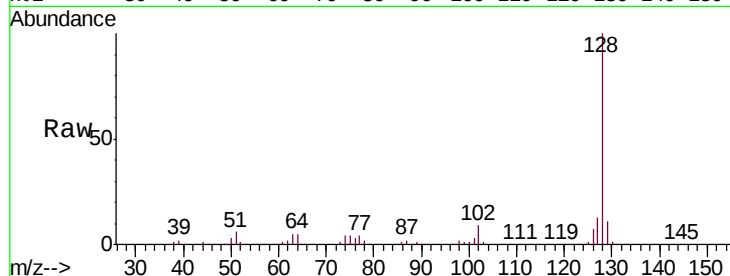
Tgt Ion:128 Resp: 210134

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

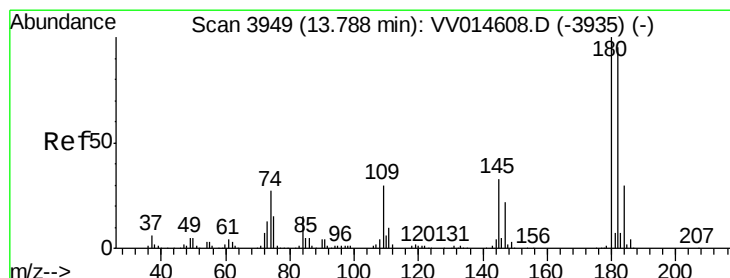
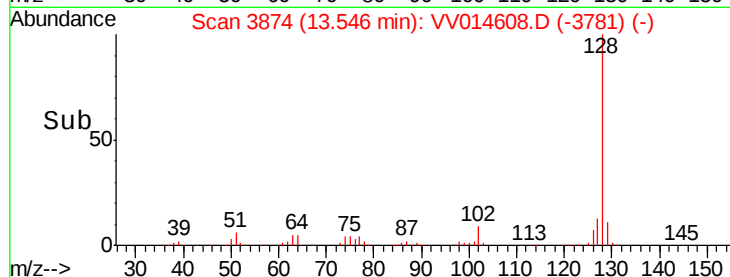
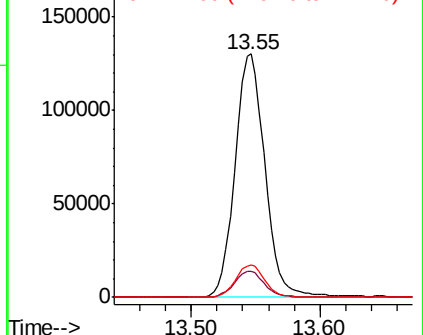
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.373 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014608.D

Acq: 19 Feb 2020 15:48

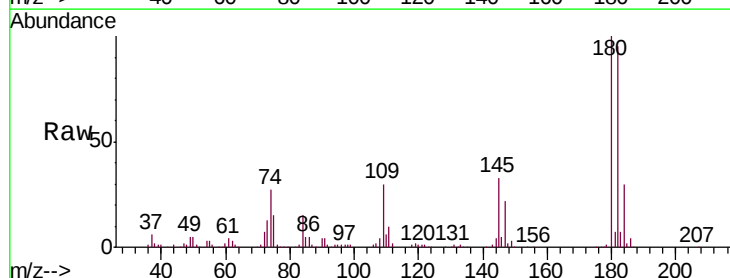
Tgt Ion:180 Resp: 110982

Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

145 33.4 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

