

Data File : VV014514.D
Acq On : 06 Feb 2020 11:33
Operator : SY/MD
Sample : VSTD10063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

Quant Time: Feb 07 01:07:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	401309	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	374570	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	187479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	223634	99.64	ug/L	0.00
7) Chloroethane-d5	1.58	69	153840	96.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	334012	88.02	ug/L	0.00
21) 2-Butanone-d5	3.92	46	371396	222.31	ug/L	0.00
24) Chloroform-d	4.40	84	524054	94.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	321978	91.09	ug/L	0.00
32) Benzene-d6	5.10	84	1083895	98.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	336435	104.22	ug/L	0.00
41) Toluene-d8	7.36	98	1006672	95.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	181559	100.33	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	300607	222.59	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	436232	97.11	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	375786	86.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	325343	111.207	ug/L	99
3) Chloromethane	1.26	50	325260	142.490	ug/L	100
5) Vinyl chloride	1.33	62	249465	120.488	ug/L	99
6) Bromomethane	1.53	94	116179	101.844	ug/L	98
8) Chloroethane	1.60	64	121616	113.165	ug/L	99
9) Trichlorofluoromethane	1.77	101	341008	105.965	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	161262	102.957	ug/L	99
12) 1,1-Dichloroethene	2.14	96	151022	101.494	ug/L	95
13) Acetone	2.18	43	267993	233.716	ug/L	99
14) Carbon disulfide	2.32	76	754634	137.400	ug/L	100
15) Methyl Acetate	2.45	43	281184	133.316	ug/L	100
16) Methylene chloride	2.54	84	289815	122.162	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	277526	125.246	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	874779	117.544	ug/L	100
19) 1,1-Dichloroethane	3.23	63	491612	121.944	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	311748	121.188	ug/L	99
22) 2-Butanone	4.00	43	441205	281.061	ug/L	95
23) Bromochloromethane	4.30	128	148626	108.010	ug/L	99
25) Chloroform	4.42	83	499605	112.144	ug/L	99
27) 1,2-Dichloroethane	5.18	62	379598	110.722	ug/L	100
29) Cyclohexane	4.73	56	464923	134.696	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	440812	108.070	ug/L	99
31) Carbon tetrachloride	4.87	117	387660	103.565	ug/L	99
33) Benzene	5.14	78	1125044	122.241	ug/L	100
34) Trichloroethene	5.96	95	294289	117.030	ug/L	99
35) Methylcyclohexane	6.17	83	476473	124.635	ug/L	100
37) 1,2-Dichloropropane	6.22	63	287835	127.225	ug/L	100
38) Bromodichloromethane	6.55	83	388890	113.327	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	496341	125.607	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	757864	257.945	ug/L	100

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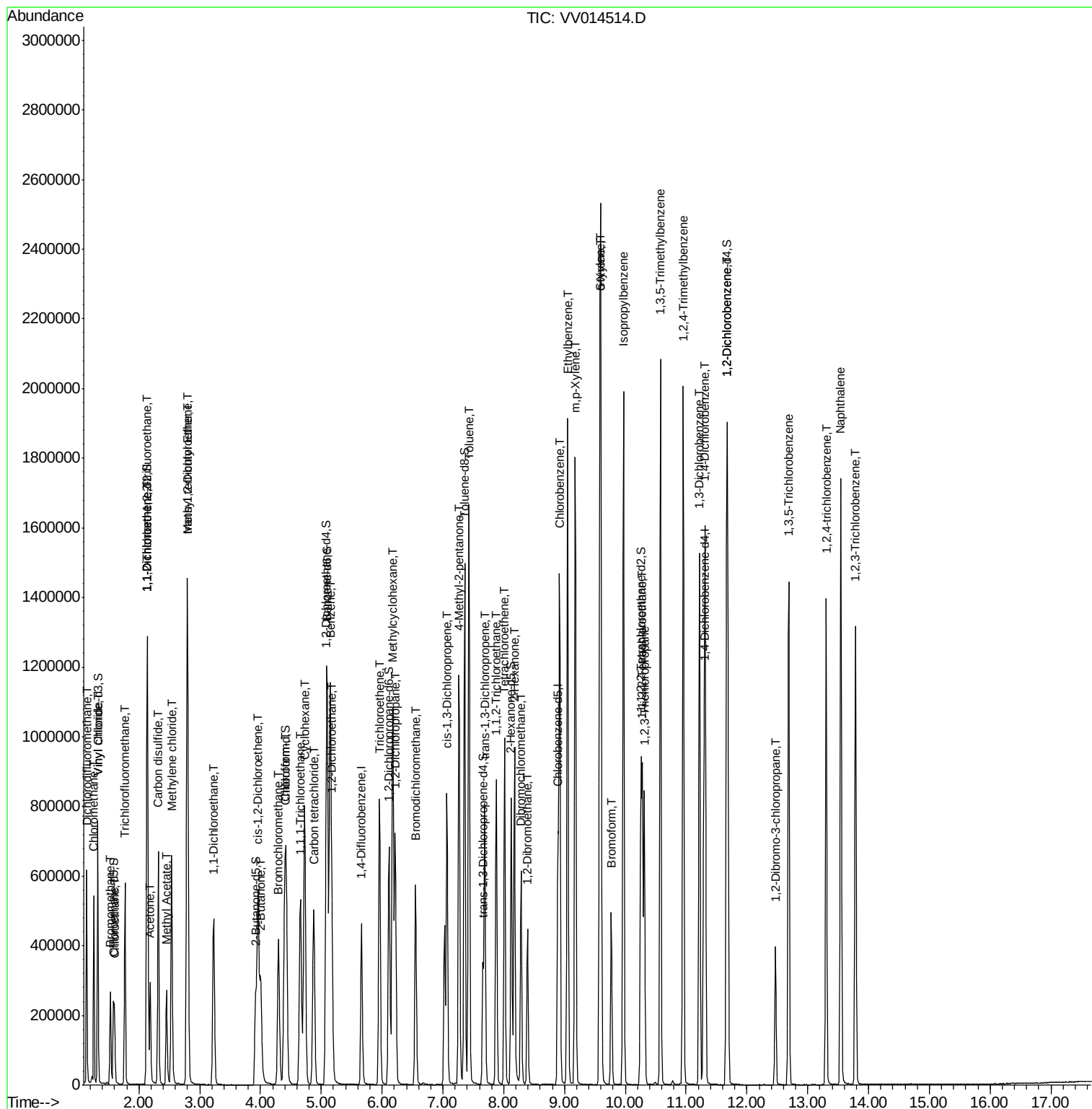
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1198646	118.826	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	437774	118.960	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	272380	114.552	ug/L	99
46) Tetrachloroethene	8.02	164	224905	99.489	ug/L	99
48) 2-Hexanone	8.18	43	597645	266.502	ug/L	98
49) Dibromochloromethane	8.29	129	316997	105.916	ug/L	99
50) 1,2-Dibromoethane	8.39	107	297340	113.355	ug/L	98
51) Chlorobenzene	8.92	112	772568	114.245	ug/L	100
52) Ethylbenzene	9.05	91	1339344	118.008	ug/L	99
53) m,p-Xylene	9.18	106	511614	117.360	ug/L	99
54) o-Xylene	9.58	106	493429	114.761	ug/L	99
55) Styrene	9.60	104	858654	117.834	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	432878	117.551	ug/L	100
59) Bromoform	9.77	173	218822	99.569	ug/L	98
60) Isopropylbenzene	9.97	105	1294714	120.122	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	339440	124.050	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	1122752	120.459	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	1105431	119.958	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	605878	112.786	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	619519	113.610	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	587400	108.460	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	98378	112.733	ug/L	99
69) 1,3,5-Trichlorobenzene	12.69	180	435473	103.083	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	407868	109.745	ug/L	99
71) Naphthalene	13.54	128	1334149	134.331	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	395852	107.239	ug/L	100

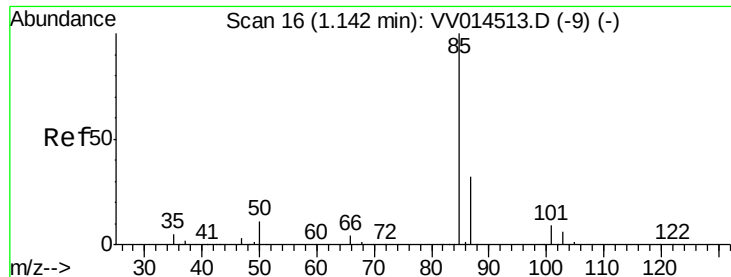
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 111.207 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

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Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

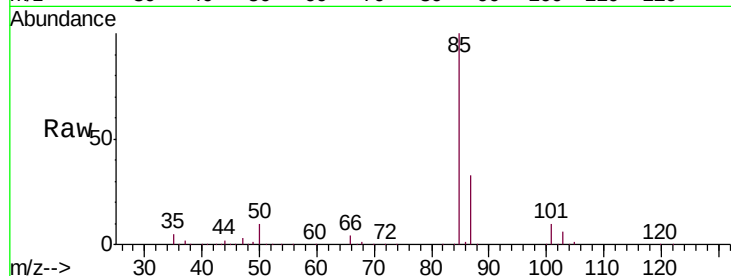
VSTD100204

Tgt Ion: 85 Resp: 325343

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014514.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014514.D (-9) (-)

1.14

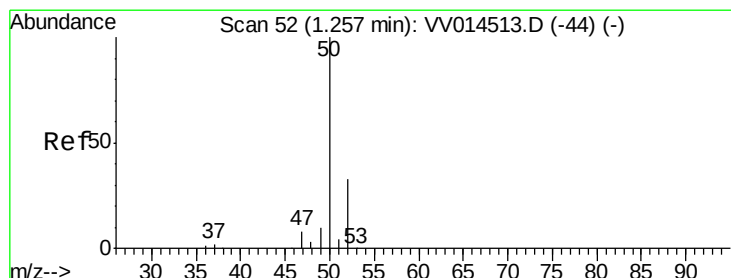
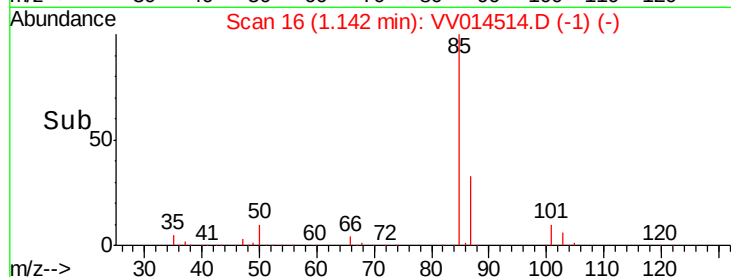
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 142.490 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014514.D

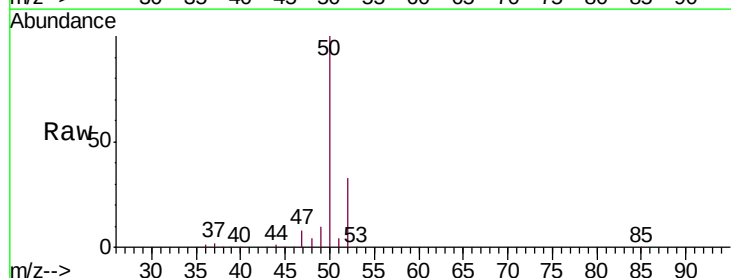
Acq: 06 Feb 2020 11:33

Tgt Ion: 50 Resp: 325260

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014514.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014514.D (-44) (-)

1.26

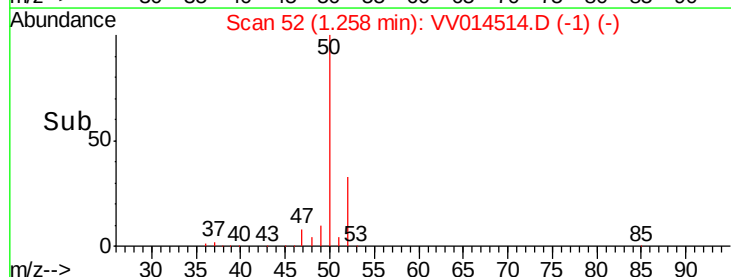
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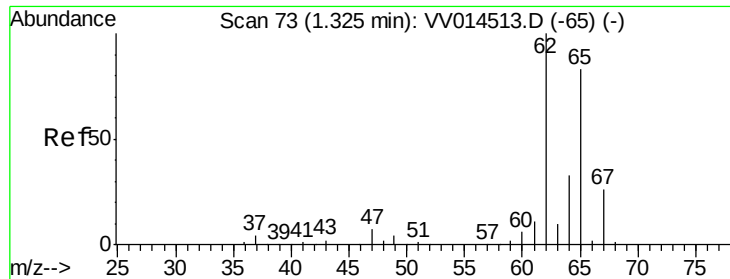
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 120.488 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

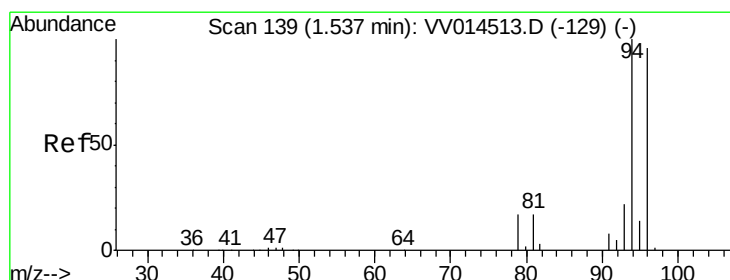
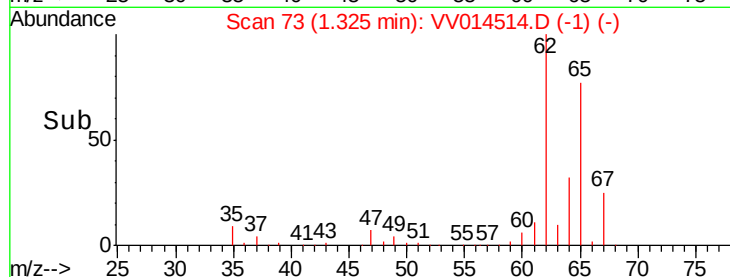
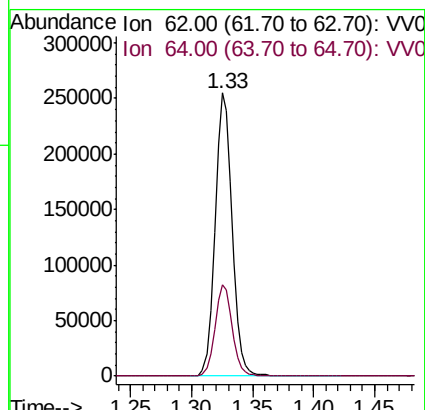
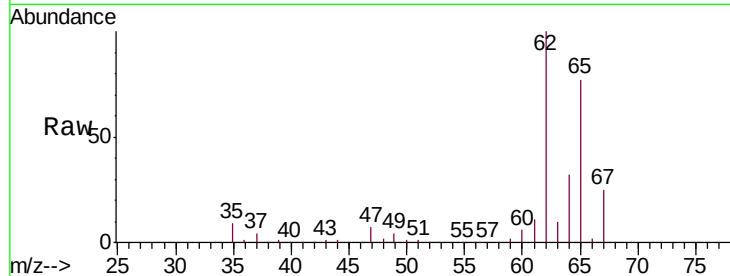
VSTD100204

Tgt Ion: 62 Resp: 249465

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



#6

Bromomethane

Concen: 101.844 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV014514.D

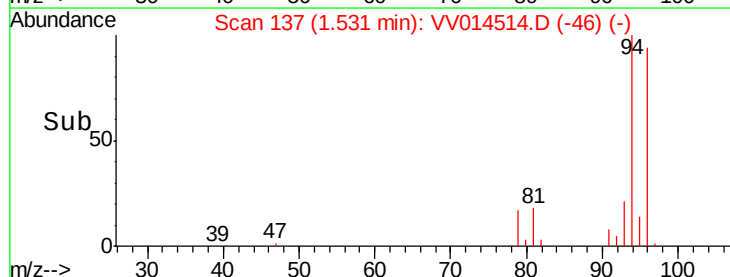
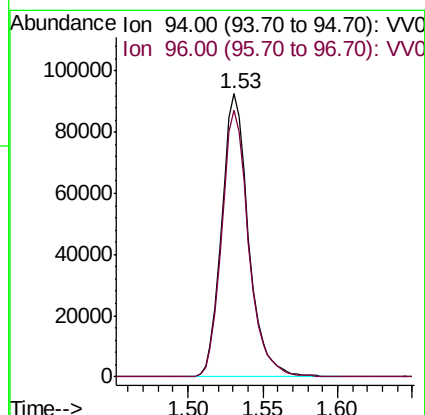
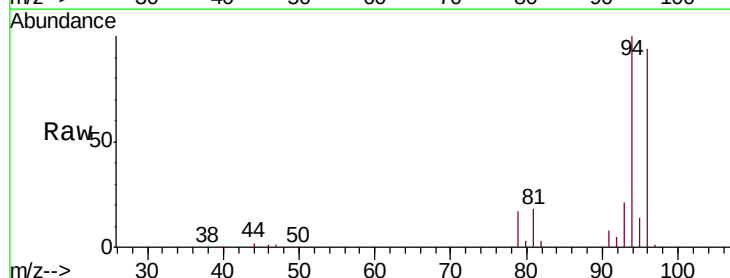
Acq: 06 Feb 2020 11:33

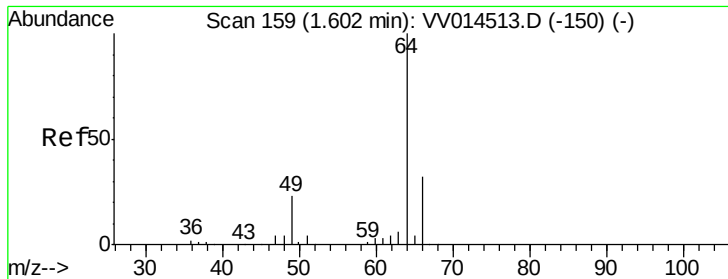
Tgt Ion: 94 Resp: 116179

Ion Ratio Lower Upper

94 100

96 94.0 67.3 124.9





#8

Chloroethane

Concen: 113.165 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

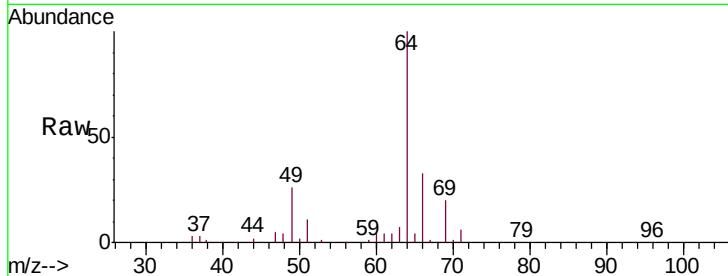
VSTD100204

Tgt Ion: 64 Resp: 121616

Ion Ratio Lower Upper

64 100

66 32.5 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014513.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014513.D (-150) (-)

1.60

100000

80000

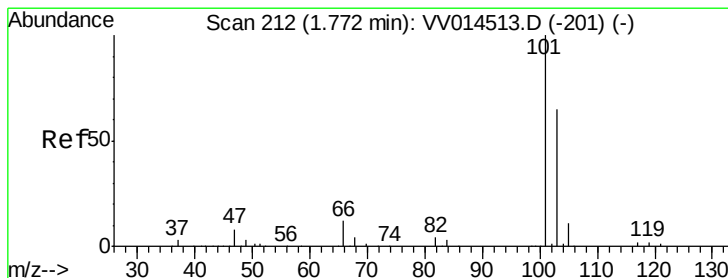
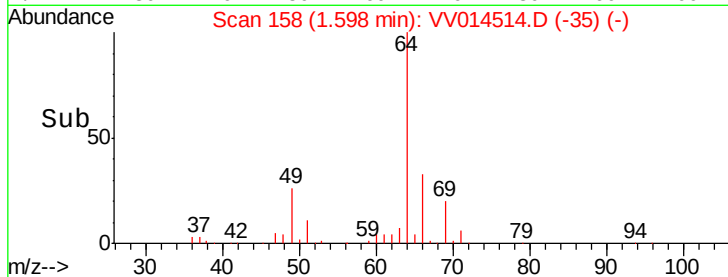
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 105.965 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014514.D

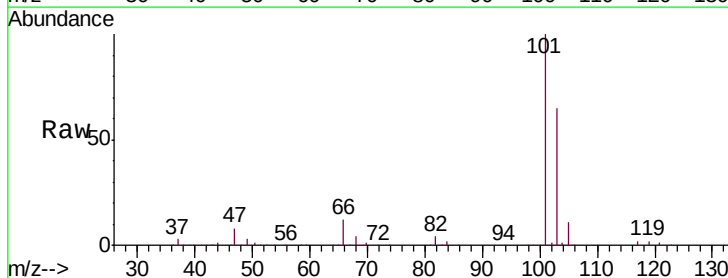
Acq: 06 Feb 2020 11:33

Tgt Ion: 101 Resp: 341008

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014513.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014513.D (-201) (-)

1.77

300000

250000

200000

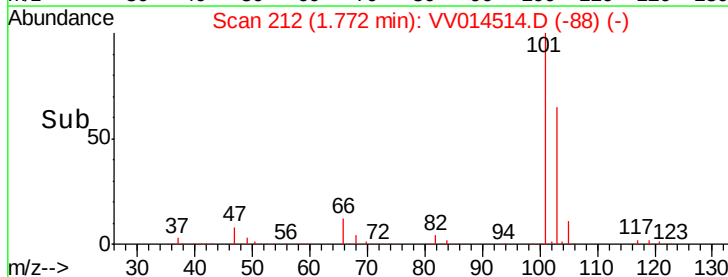
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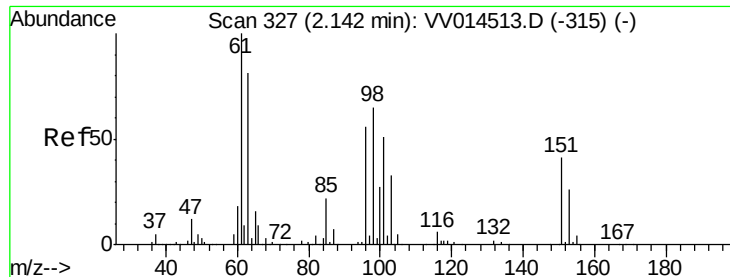
100000

50000

0

Time-->





#10

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

Concen: 102.957 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD100204

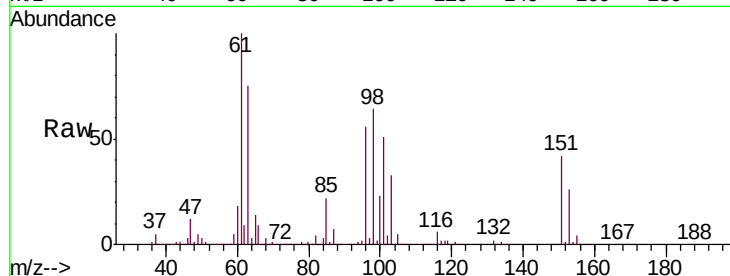
Tgt Ion: 101 Resp: 161262

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.6

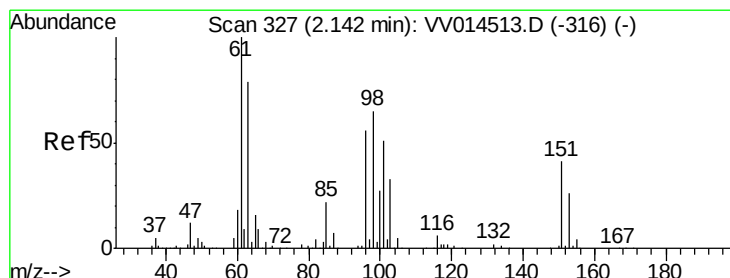
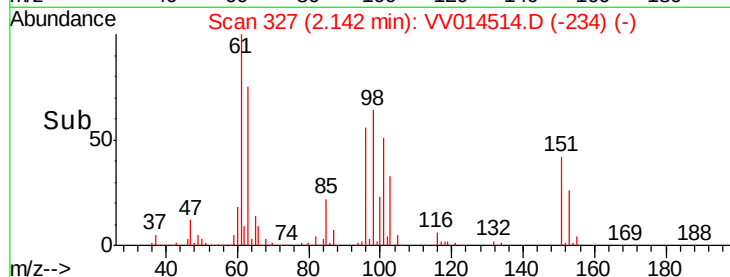
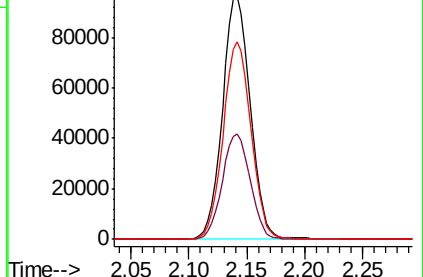
151 81.1 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): VV014514.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV014514.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV014514.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 101.494 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

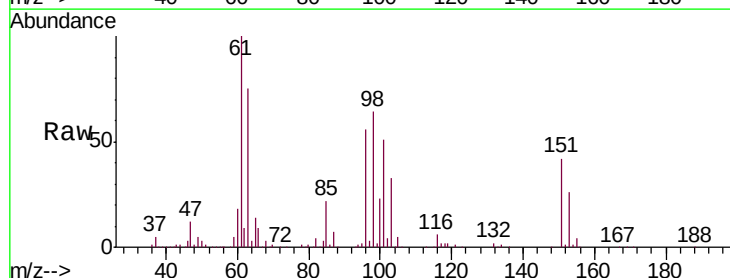
Tgt Ion: 96 Resp: 151022

Ion Ratio Lower Upper

96 100

61 177.1 125.0 232.2

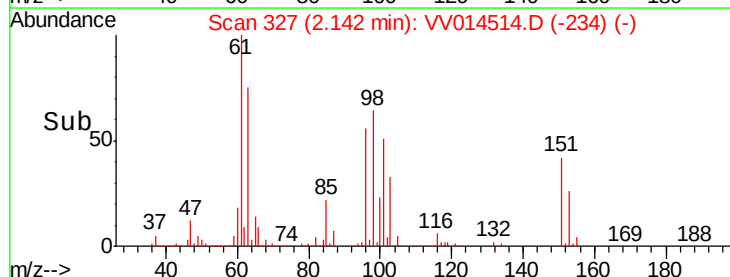
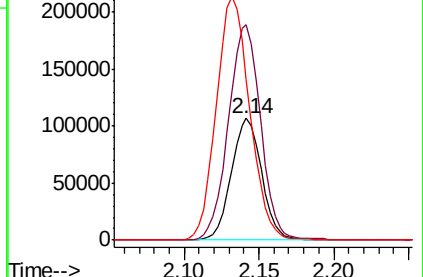
63 132.2 101.6 188.6

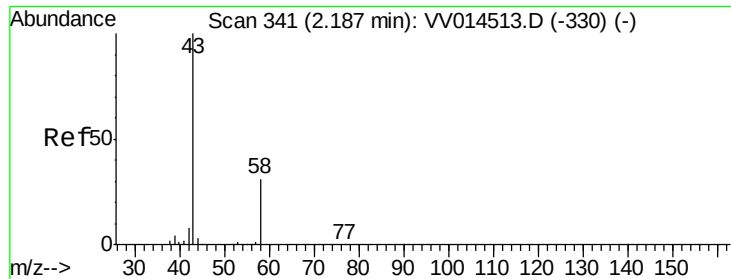


Abundance Ion 96.00 (95.70 to 96.70): VV014514.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014514.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014514.D (-234) (-)





#13

Acetone

Concen: 233.716 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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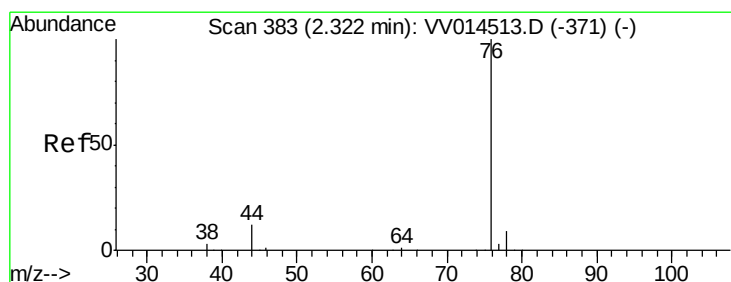
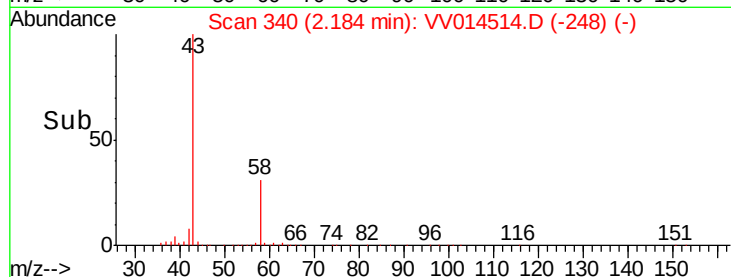
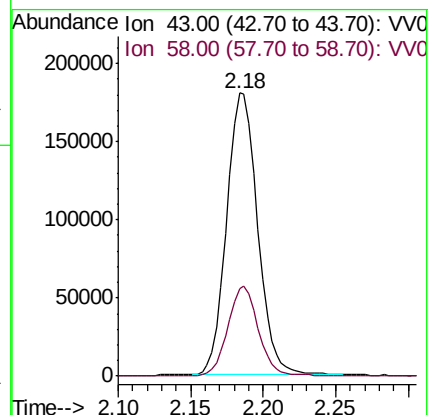
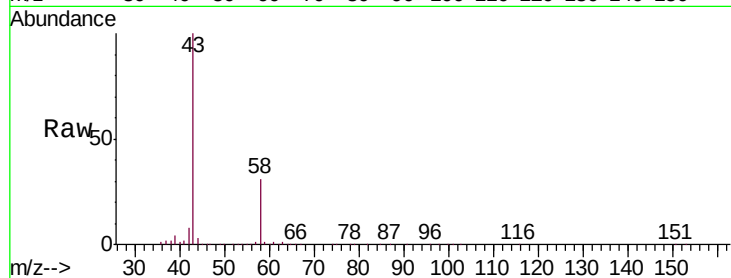
VSTD100204

Tgt Ion: 43 Resp: 267993

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.8



#14

Carbon disulfide

Concen: 137.400 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014514.D

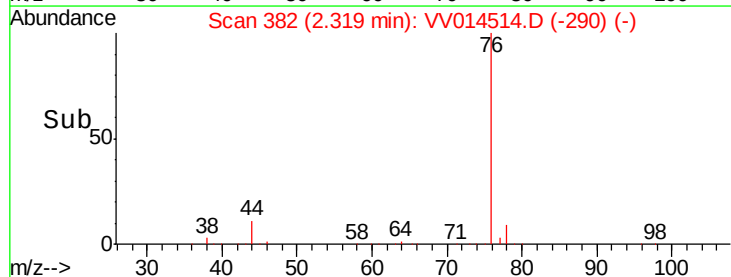
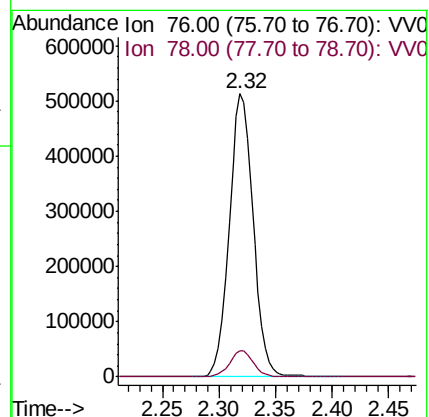
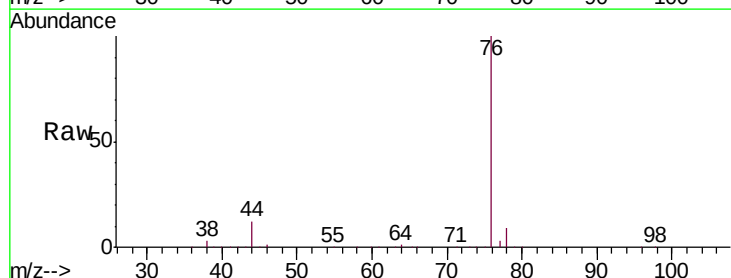
Acq: 06 Feb 2020 11:33

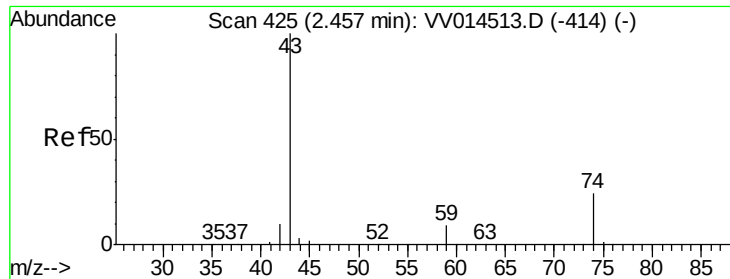
Tgt Ion: 76 Resp: 754634

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

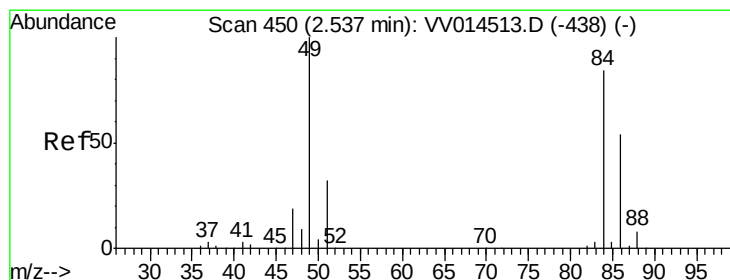
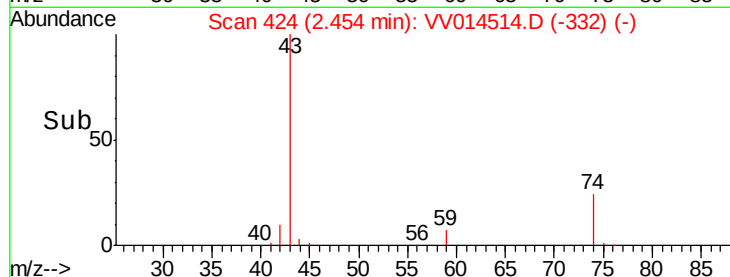
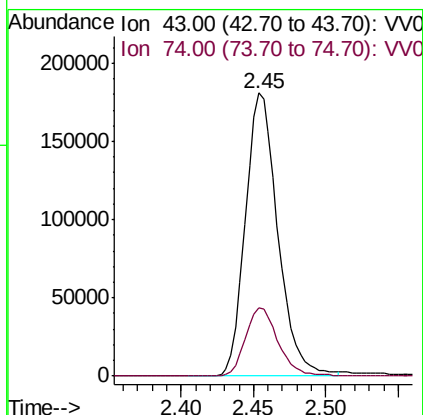
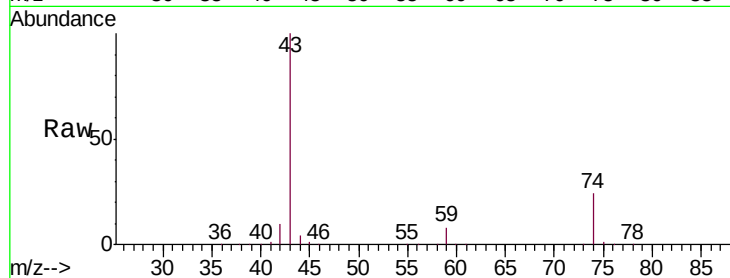




#15
Methyl Acetate
Concen: 133.316 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

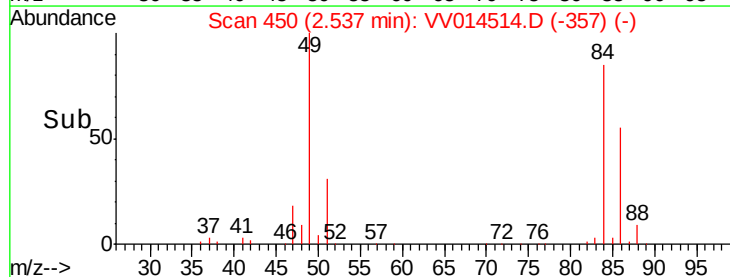
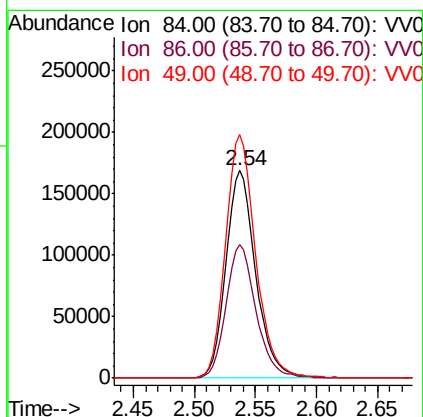
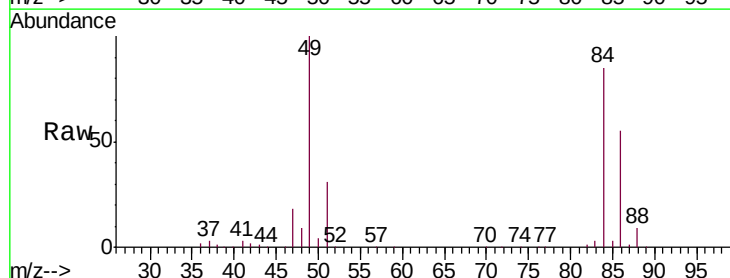
Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

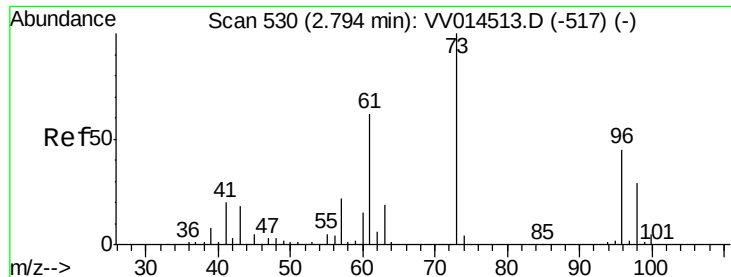
Tgt Ion: 43 Resp: 281184
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.0



#16
Methylene chloride
Concen: 122.162 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion: 84 Resp: 289815
Ion Ratio Lower Upper
84 100
86 64.4 44.6 82.8
49 117.3 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 125.246 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD100204

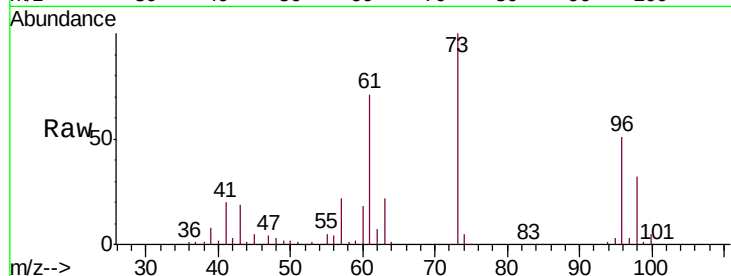
Tgt Ion: 96 Resp: 277526

Ion Ratio Lower Upper

96 100

61 137.6 95.8 178.0

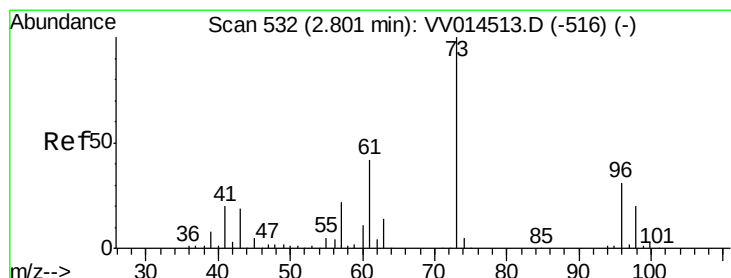
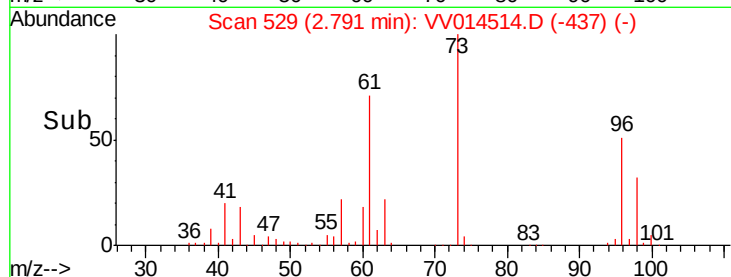
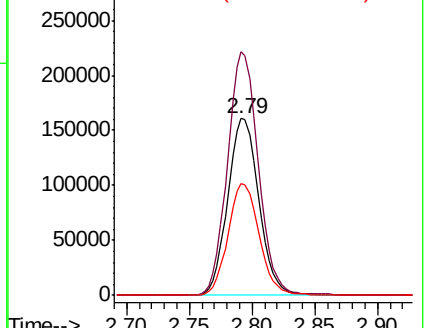
98 63.1 45.1 83.7



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: 117.544 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

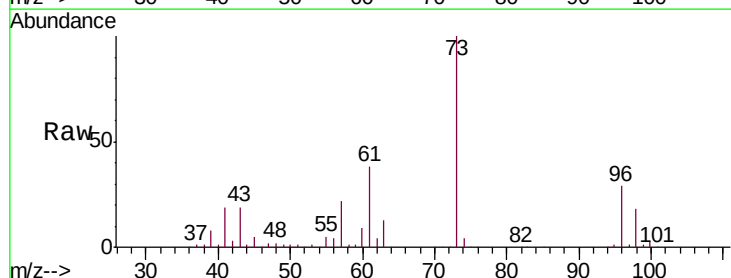
Tgt Ion: 73 Resp: 874779

Ion Ratio Lower Upper

73 100

43 18.6 14.9 22.3

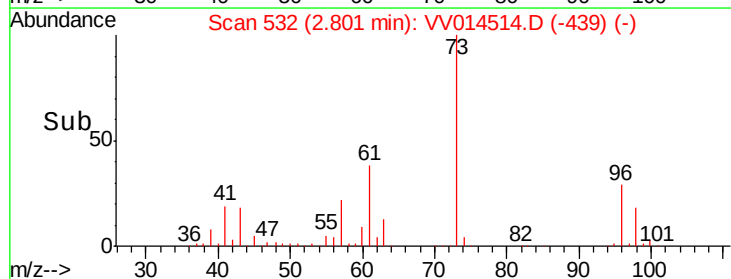
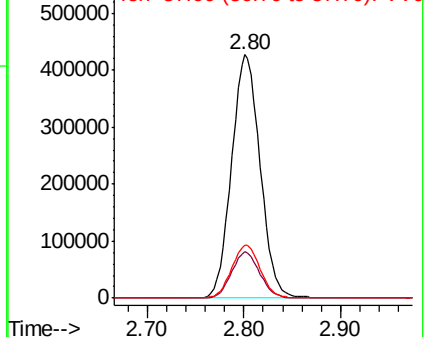
57 21.9 17.5 26.3

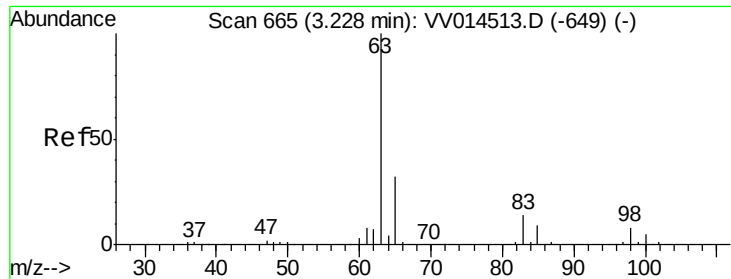


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

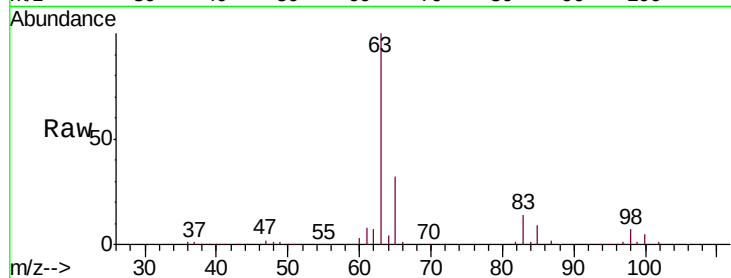




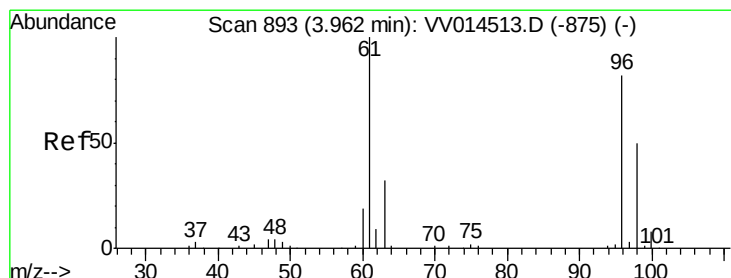
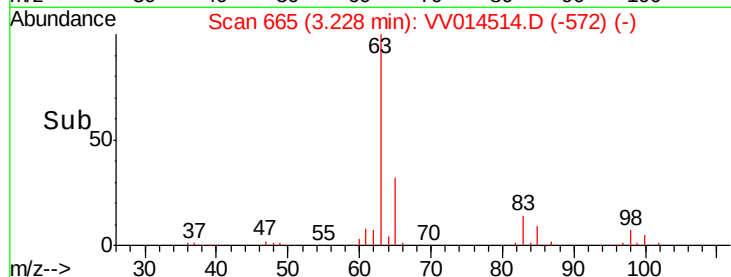
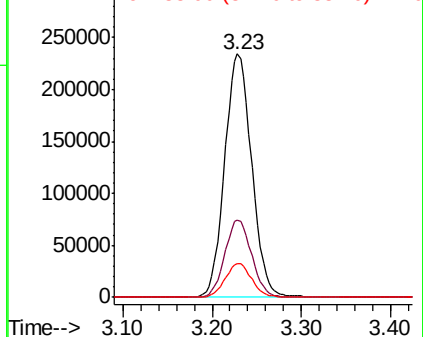
#19
 1,1-Dichloroethane
 Concen: 121.944 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

Tgt Ion: 63 Resp: 491612
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.8 9.7 18.1

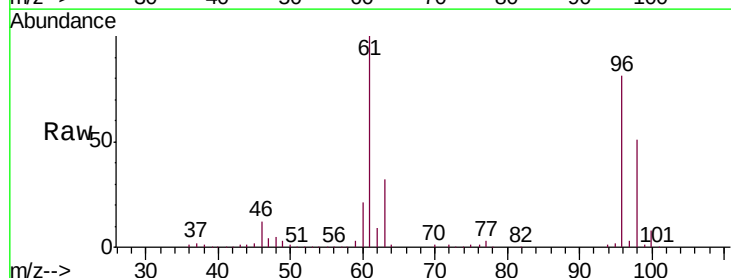


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

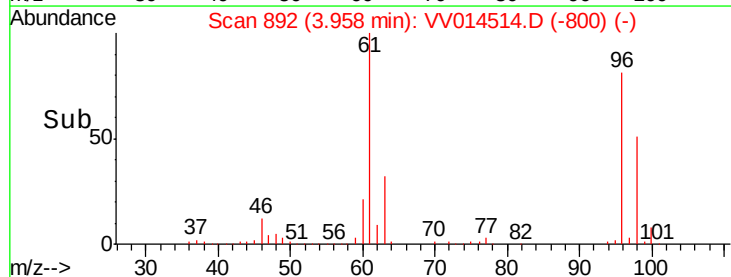
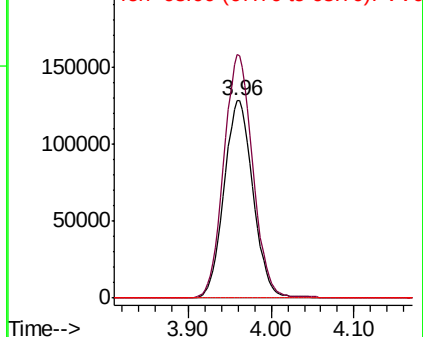


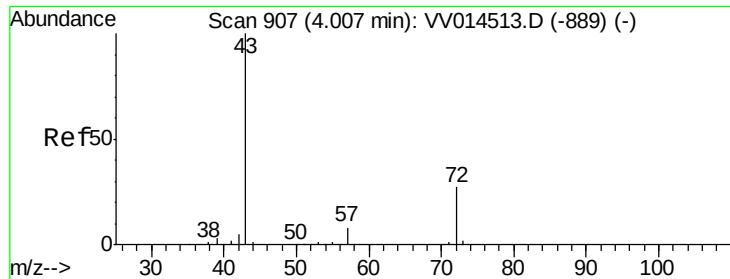
#20
 cis-1,2-Dichloroethene
 Concen: 121.188 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion: 96 Resp: 311748
 Ion Ratio Lower Upper
 96 100
 61 123.3 85.2 158.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 281.061 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

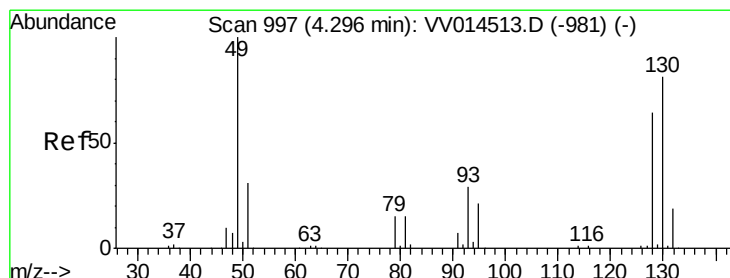
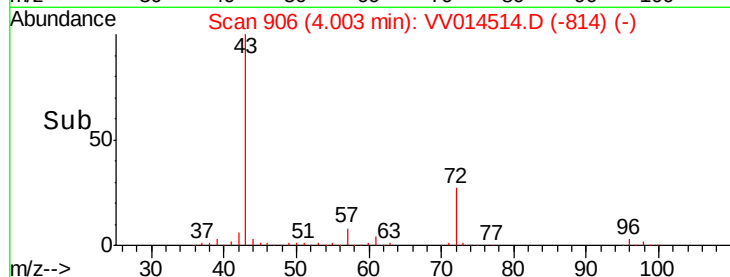
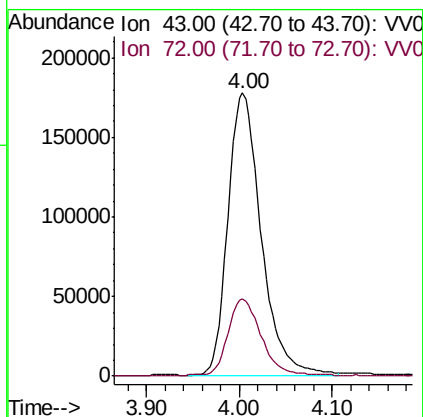
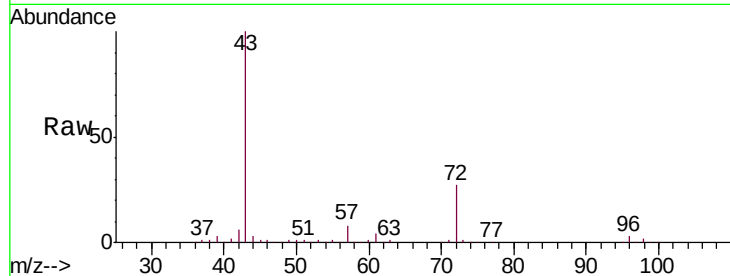
VSTD100204

Tgt Ion: 43 Resp: 441205

Ion Ratio Lower Upper

43 100

72 27.8 12.7 38.1



#23

Bromochloromethane

Concen: 108.010 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Tgt Ion: 128 Resp: 148626

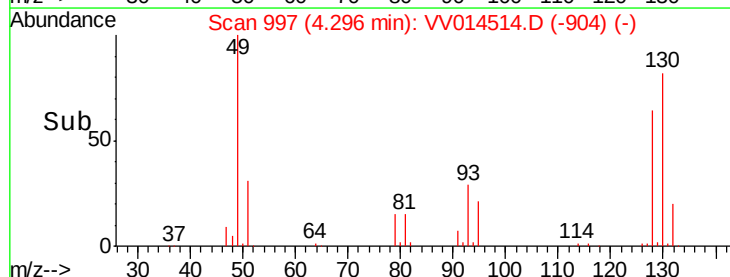
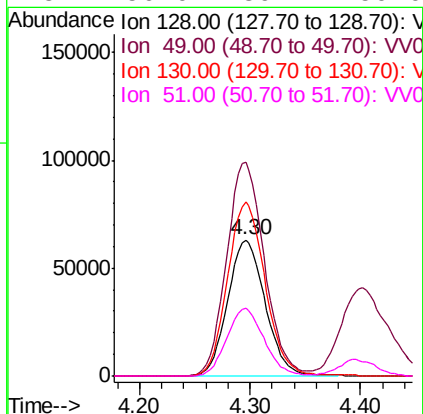
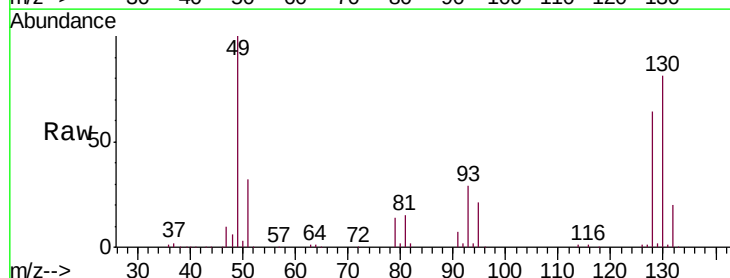
Ion Ratio Lower Upper

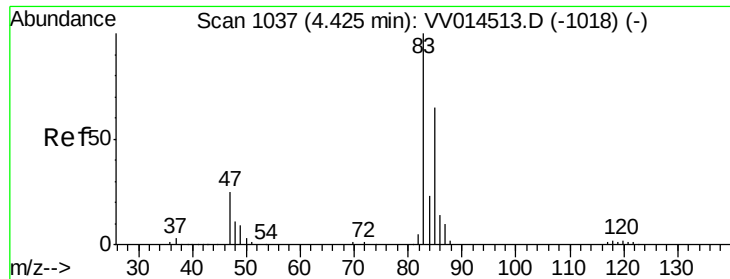
128 100

49 157.2 110.1 204.5

130 128.0 88.5 164.4

51 50.0 39.4 59.0

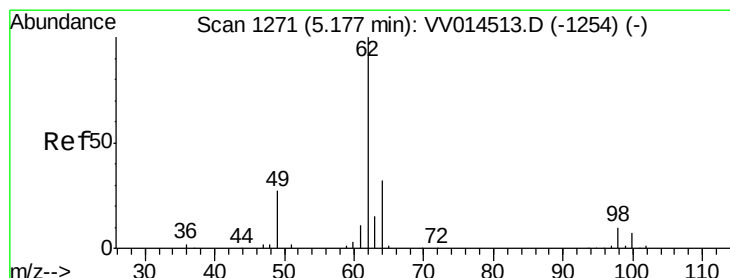
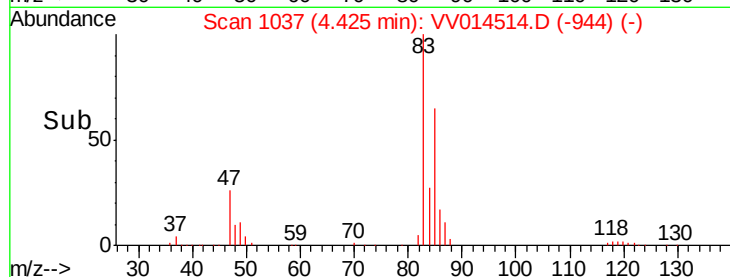
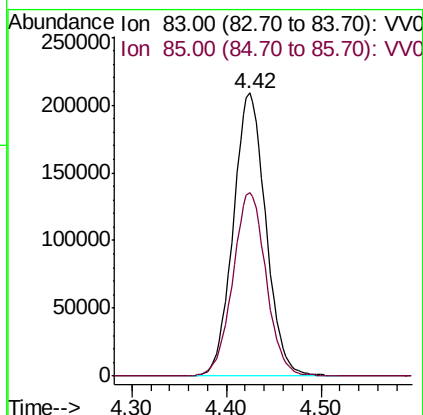
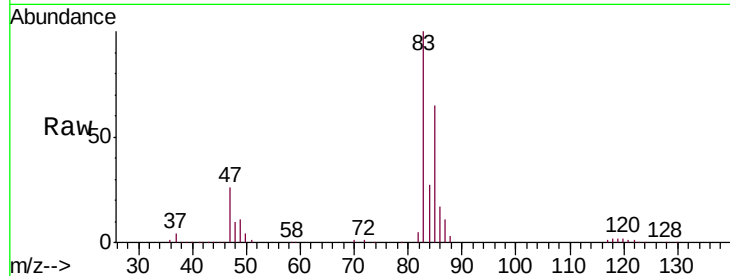




#25
Chloroform
Concen: 112.144 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

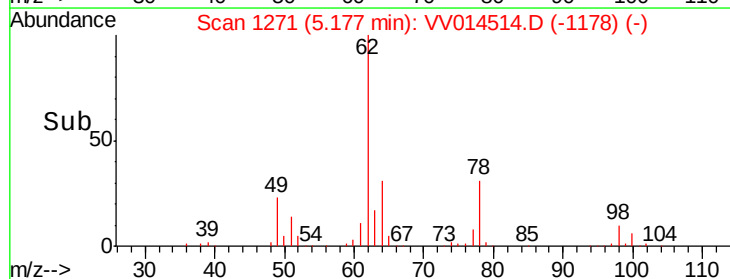
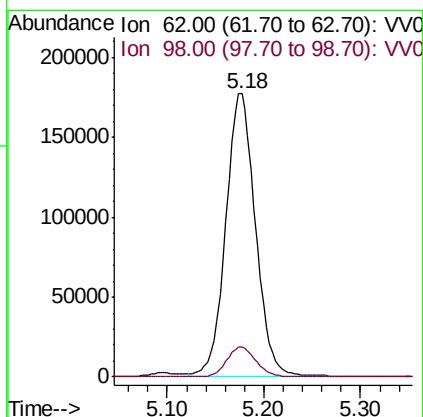
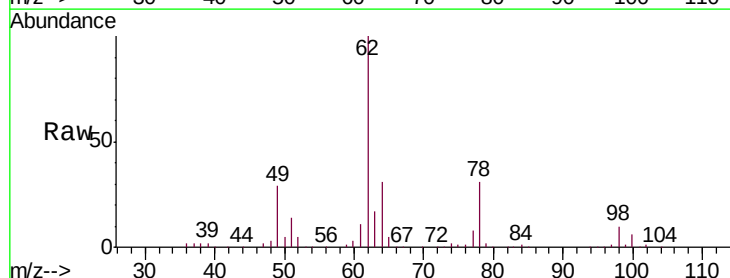
Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

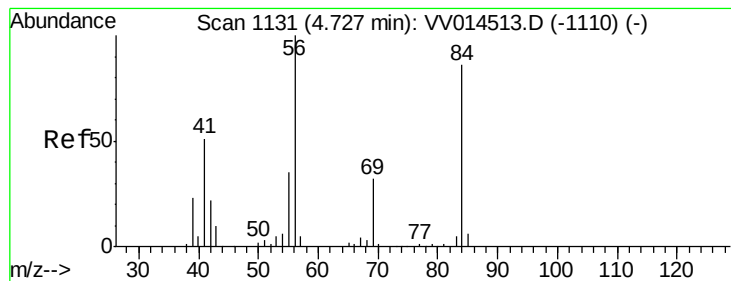
Tgt Ion: 83 Resp: 499605
Ion Ratio Lower Upper
83 100
85 64.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 110.722 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion: 62 Resp: 379598
Ion Ratio Lower Upper
62 100
98 10.5 8.2 12.4





#29

Cyclohexane

Concen: 134.696 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleID :

VSTD100204

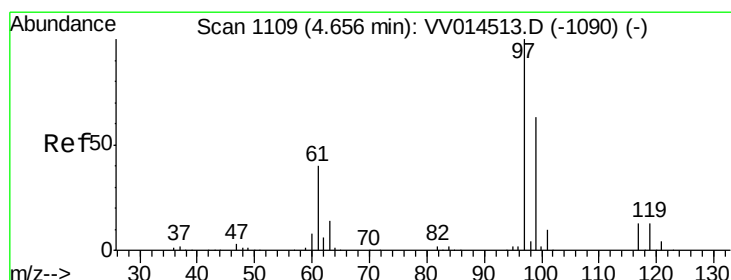
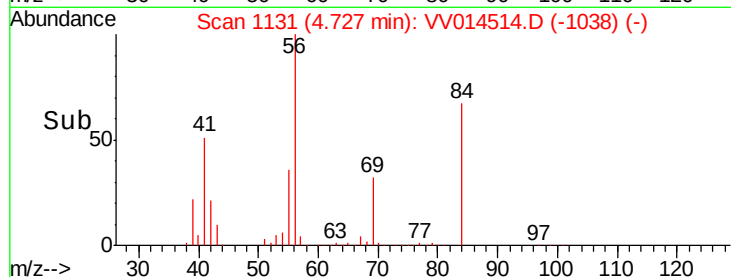
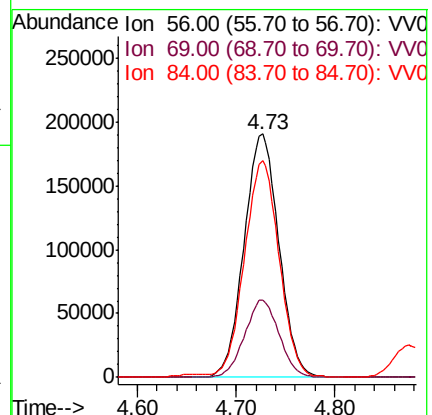
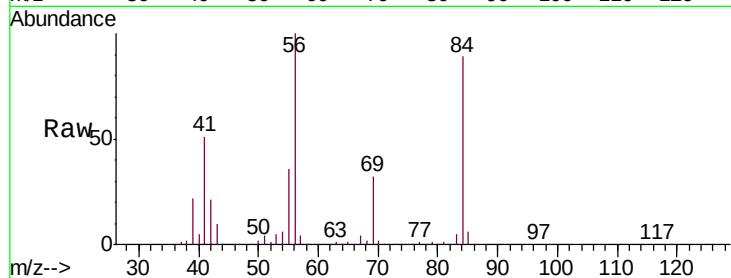
Tgt Ion: 56 Resp: 464923

Ion Ratio Lower Upper

56 100

69 31.6 25.2 37.8

84 88.6 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 108.070 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

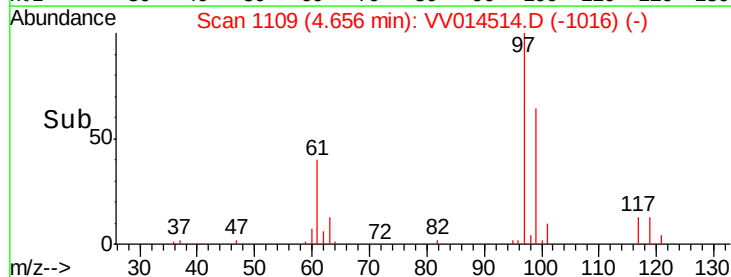
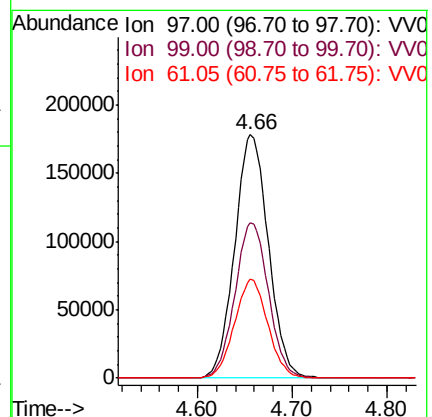
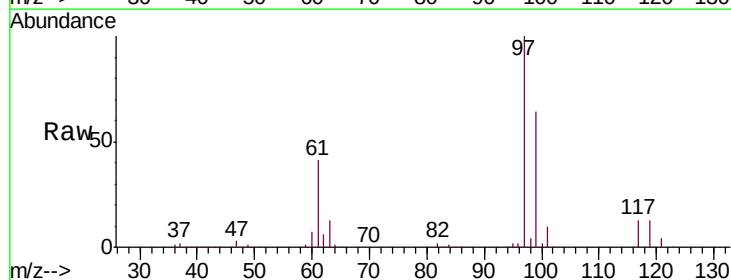
Tgt Ion: 97 Resp: 440812

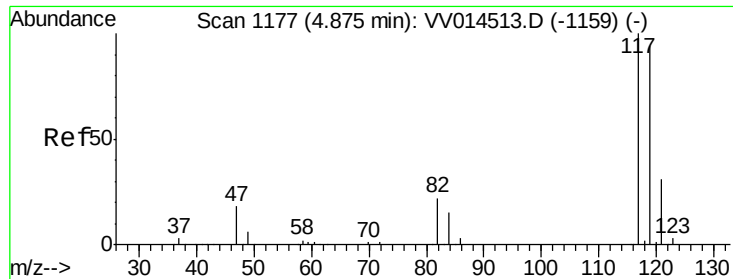
Ion Ratio Lower Upper

97 100

99 63.7 50.6 76.0

61 40.0 33.0 49.4

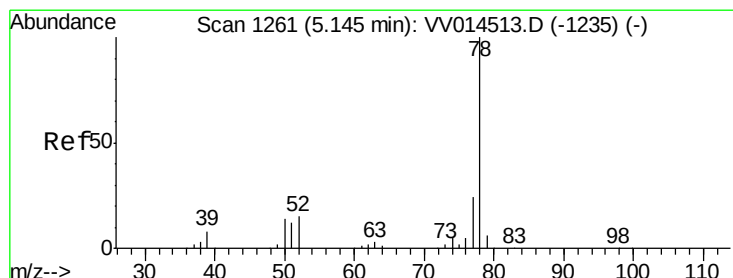
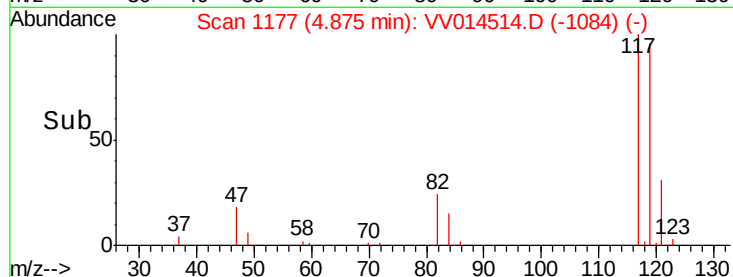
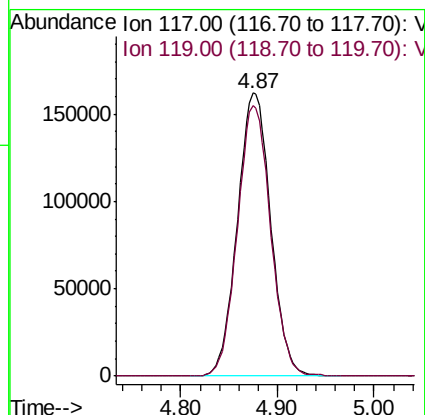
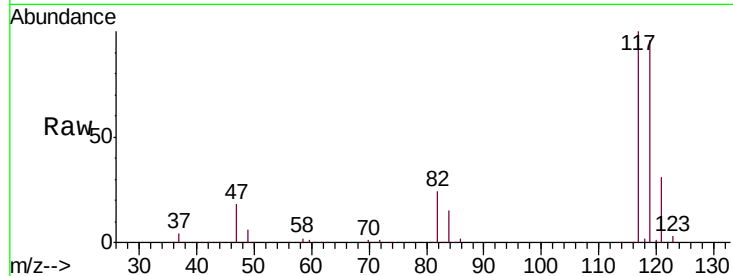




#31
Carbon tetrachloride
Concen: 103.565 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

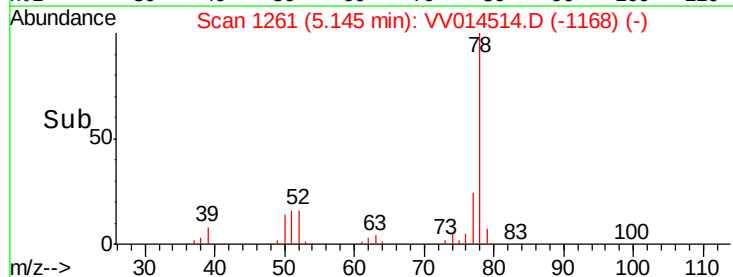
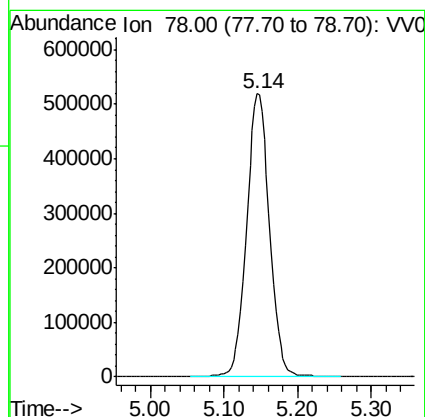
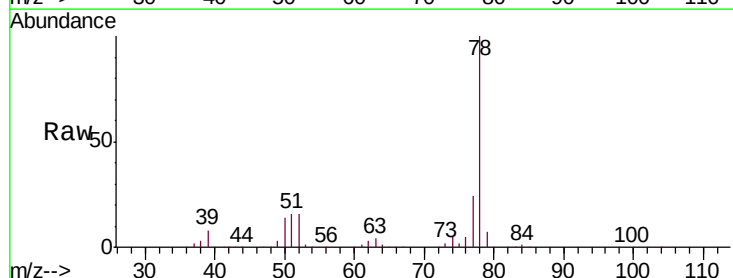
Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

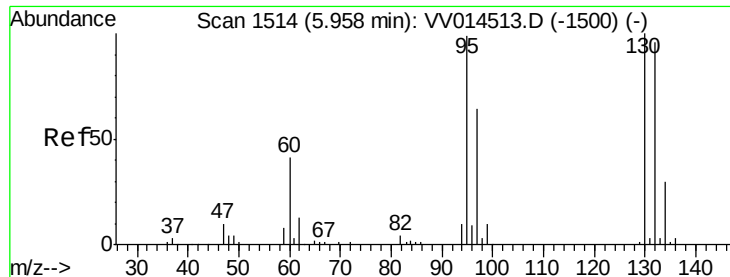
Tgt Ion:117 Resp: 387660
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1



#33
Benzene
Concen: 122.241 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion: 78 Resp: 1125044





#34

Trichloroethene

Concen: 117.030 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD100204

Tgt Ion: 95 Resp: 294289

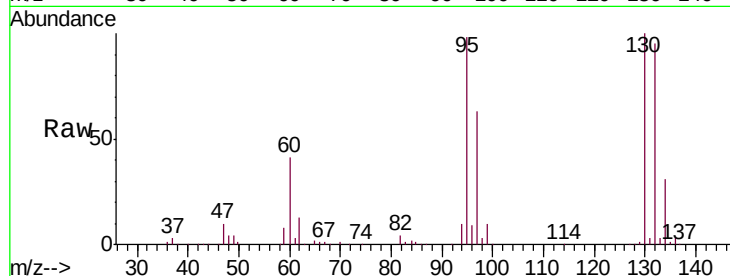
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.7

132 97.2 67.7 125.7

130 102.3 70.5 130.9

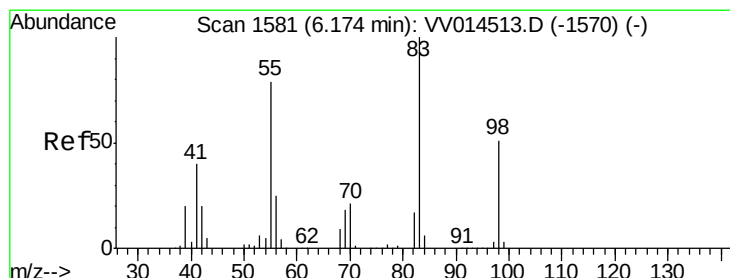
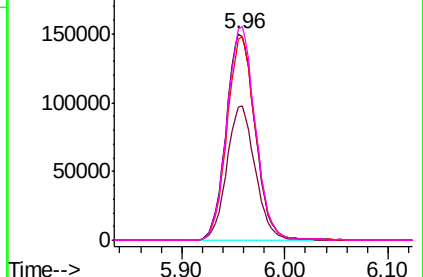
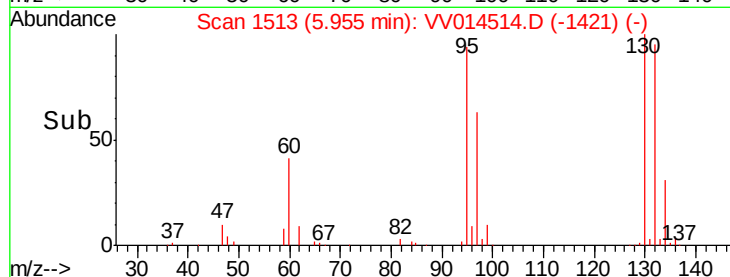


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 124.635 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

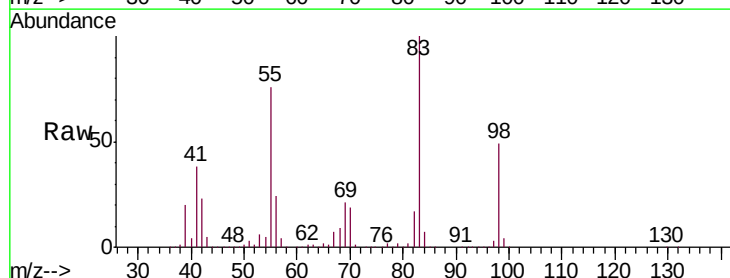
Tgt Ion: 83 Resp: 476473

Ion Ratio Lower Upper

83 100

55 75.9 60.7 91.1

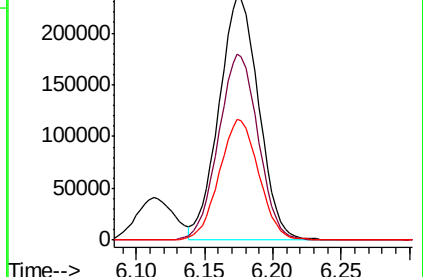
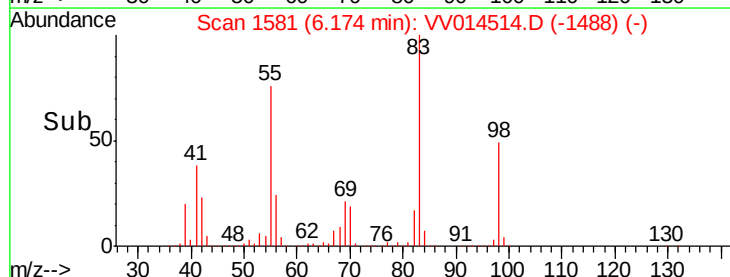
98 49.3 39.4 59.0

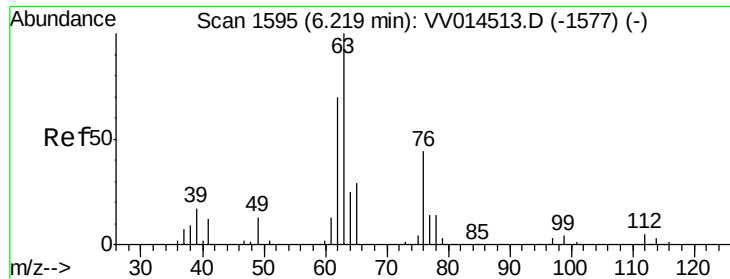


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

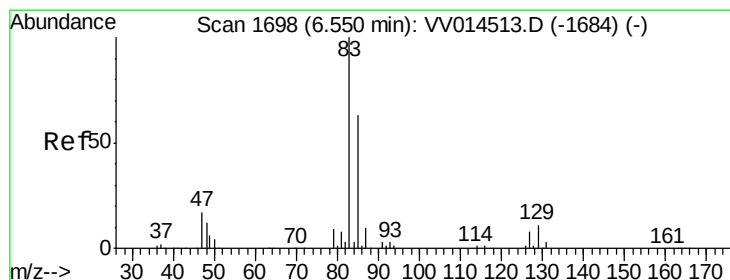
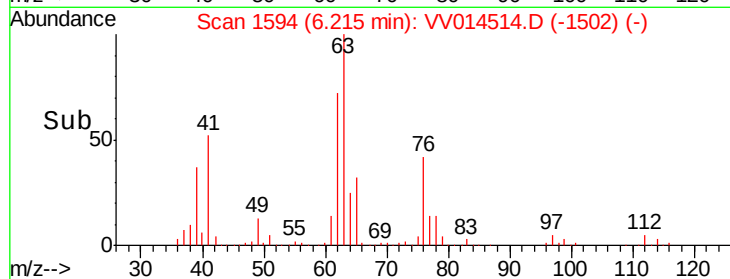
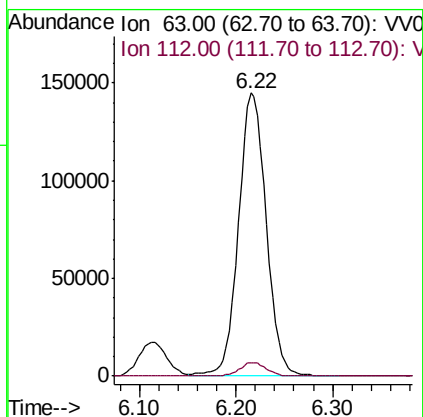
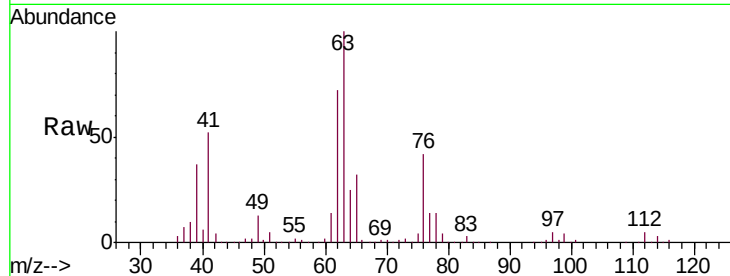




#37
 1,2-Dichloropropane
 Concen: 127.225 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

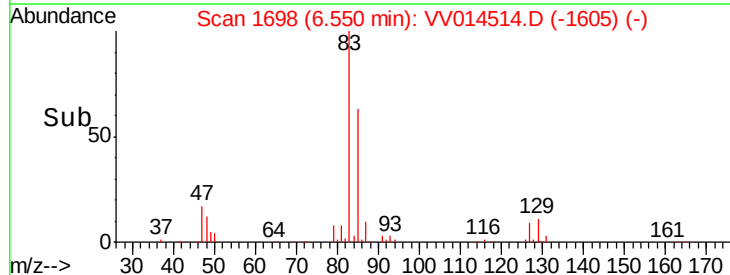
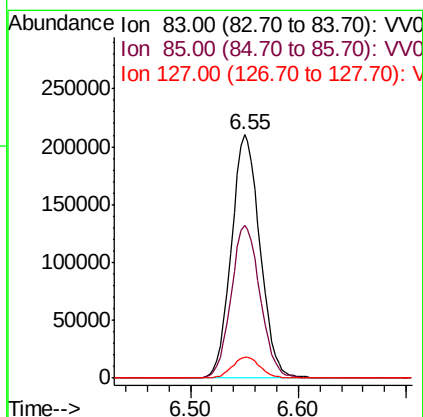
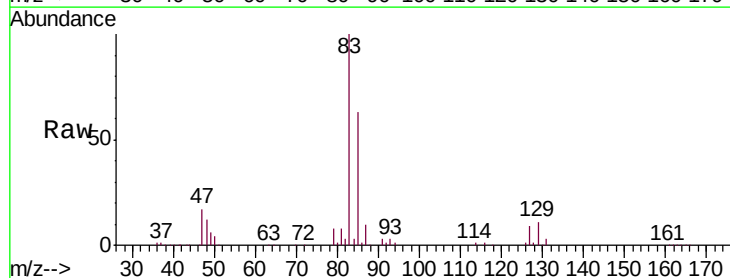
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

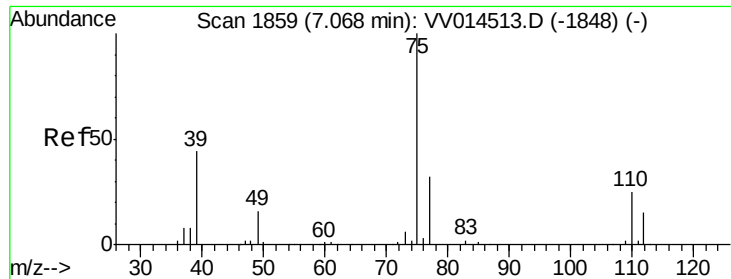
Tgt Ion: 63 Resp: 287835
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 113.327 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion: 83 Resp: 388890
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.4 82.4
 127 8.6 6.7 10.1

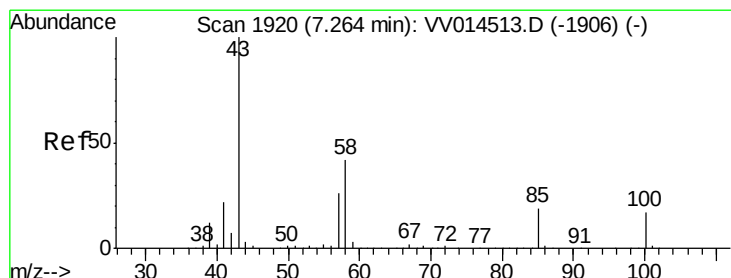
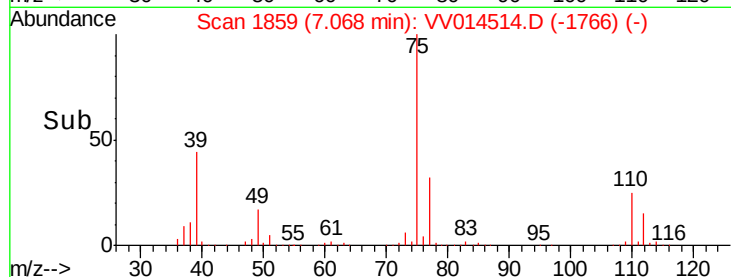
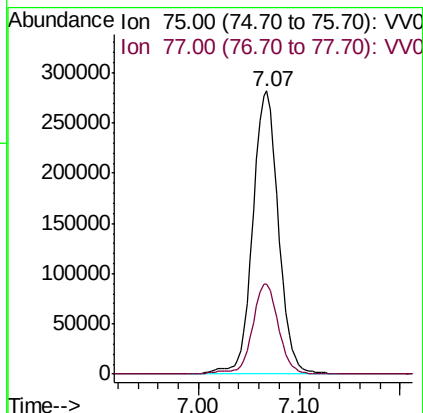
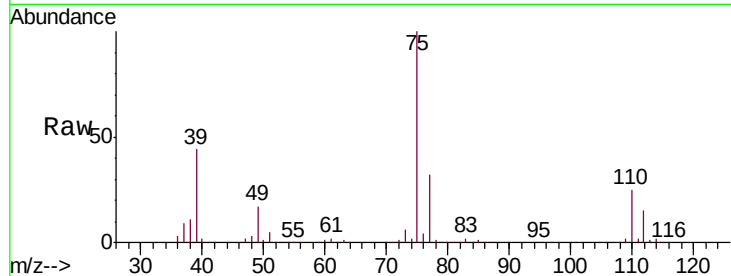




#39
 cis-1,3-Dichloropropene
 Concen: 125.607 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

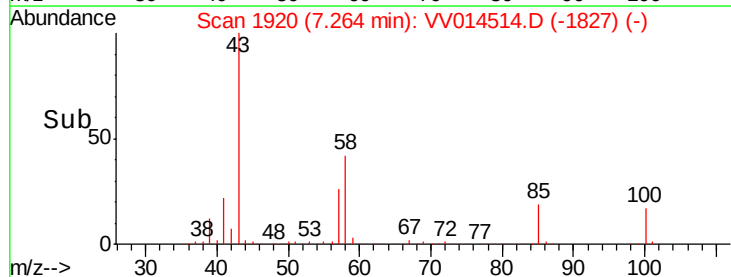
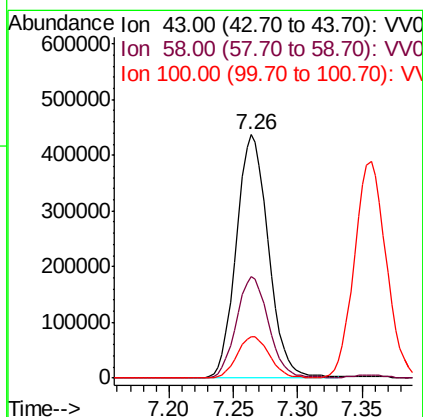
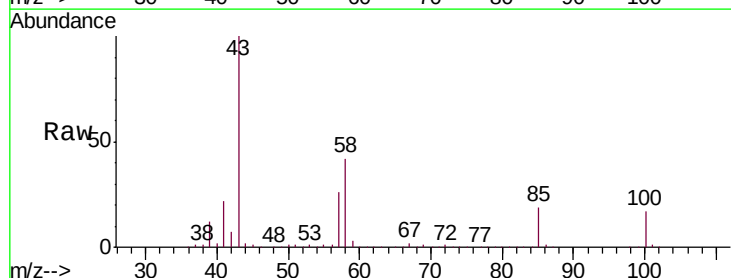
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

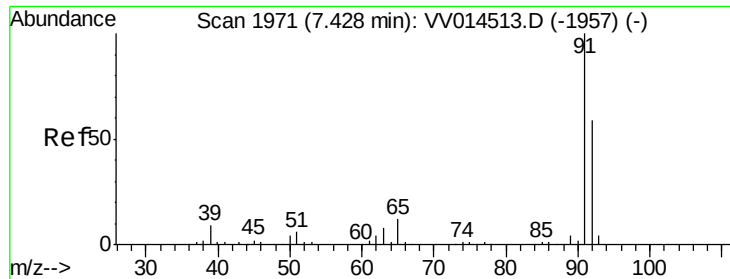
Tgt Ion: 75 Resp: 496341
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 257.945 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion: 43 Resp: 757864
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.2 49.8
 100 17.3 13.9 20.9





#42

Toluene

Concen: 118.826 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

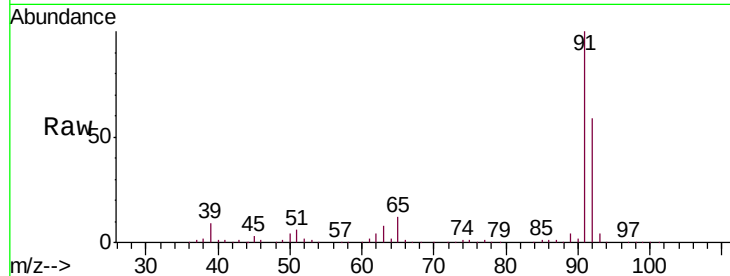
VSTD100204

Tgt Ion: 91 Resp: 1198646

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014514.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014514.D (-1957) (-)

7.43

600000

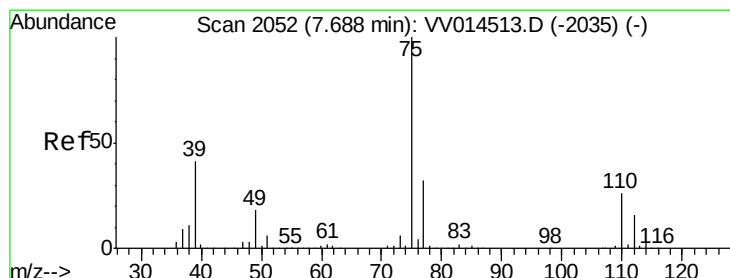
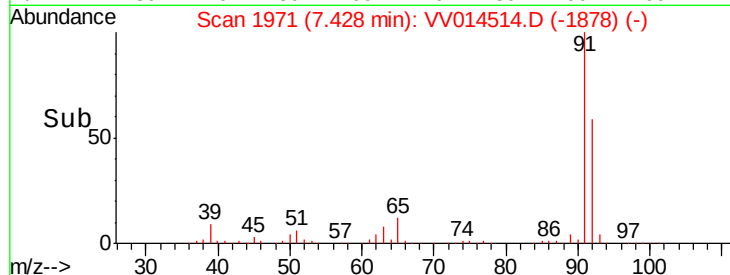
400000

200000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 118.960 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014514.D

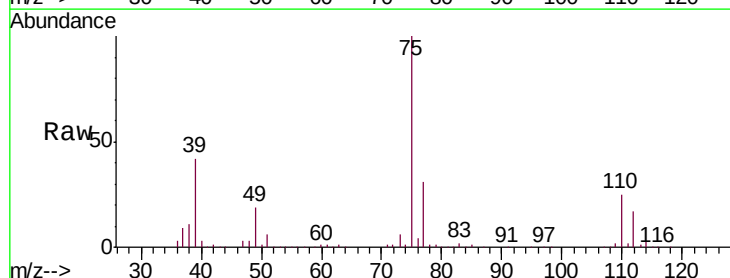
Acq: 06 Feb 2020 11:33

Tgt Ion: 75 Resp: 437774

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014514.D (-1959) (-)

Ion 77.00 (76.70 to 77.70): VV014514.D (-1959) (-)

7.69

300000

250000

200000

150000

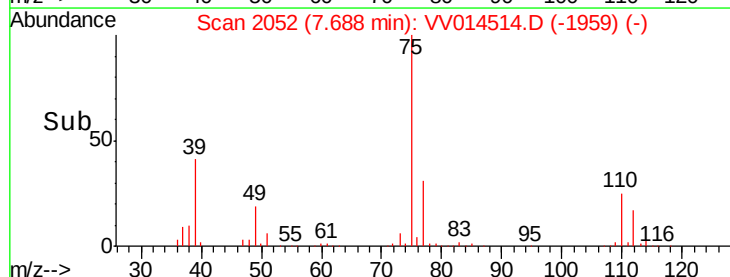
100000

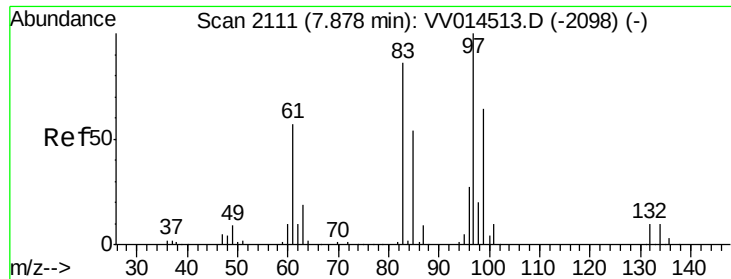
50000

0

7.60 7.70 7.80

Time-->

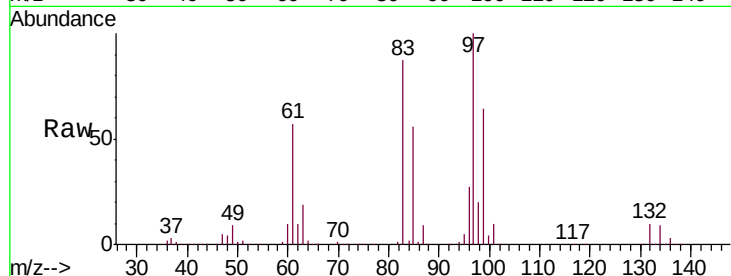




#45
 1,1,2-Trichloroethane
 Concen: 114.552 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

Tgt Ion:	97	Resp:	272380
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.5	82.7
83	86.7	60.1	111.5
85	55.6	38.1	70.9



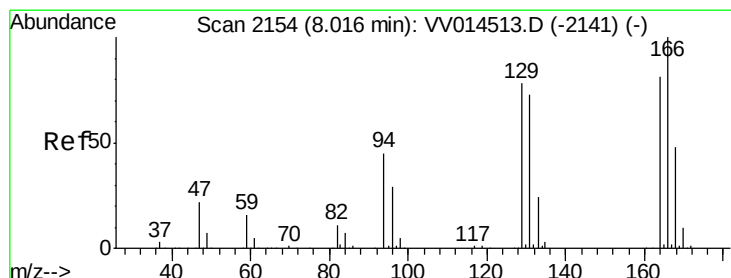
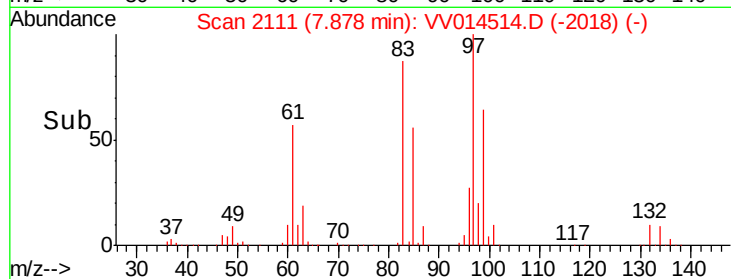
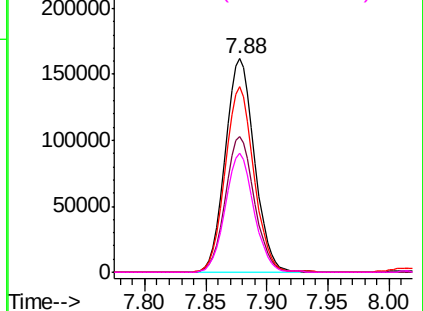
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

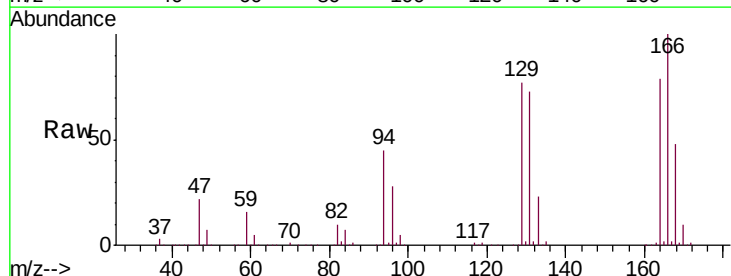
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 99.489 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion:	164	Resp:	224905
Ion	Ratio	Lower	Upper
164	100		
129	97.3	68.0	126.4
131	92.1	63.4	117.8
166	126.6	86.9	161.3



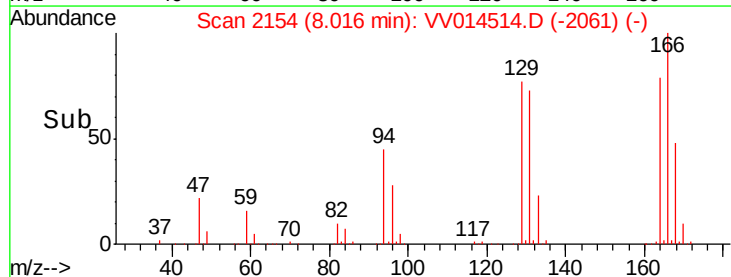
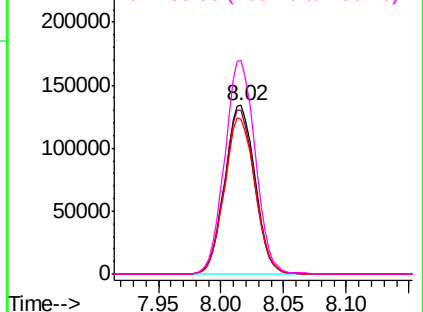
Abundance

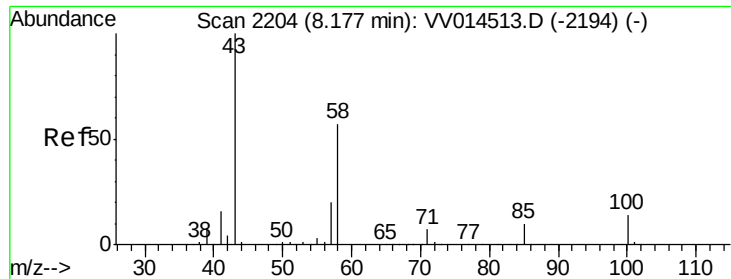
Ion 164.00 (163.70 to 164.70): V

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

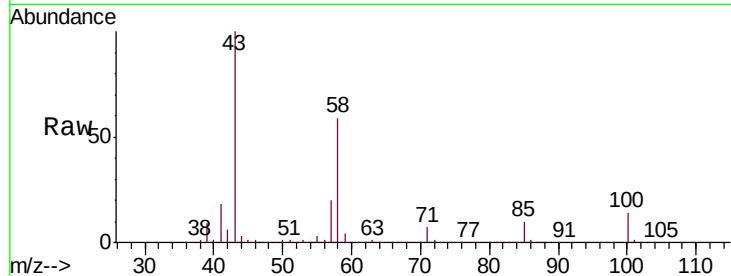




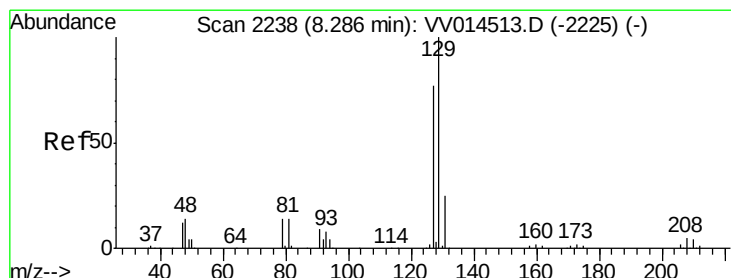
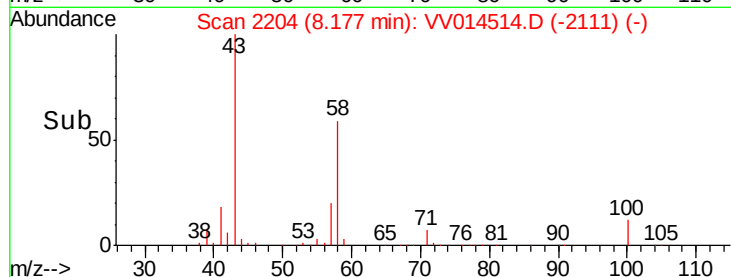
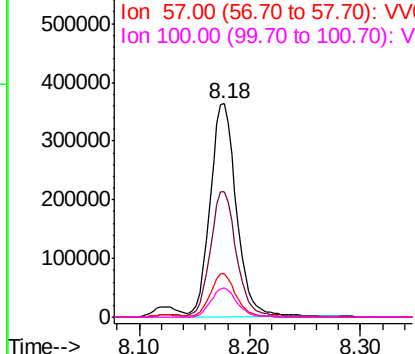
#48
2-Hexanone
Concen: 266.502 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

Tgt Ion: 43 Resp: 597645
Ion Ratio Lower Upper
43 100
58 58.6 45.5 68.3
57 19.7 15.8 23.6
100 13.8 10.8 16.2

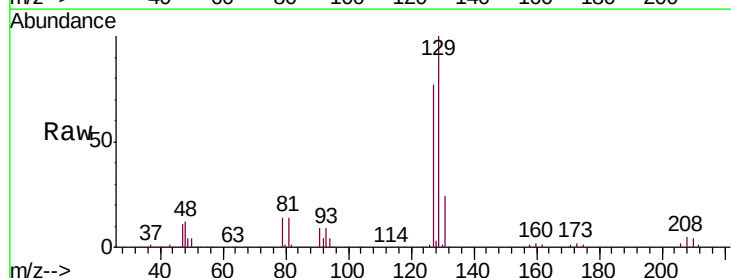


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

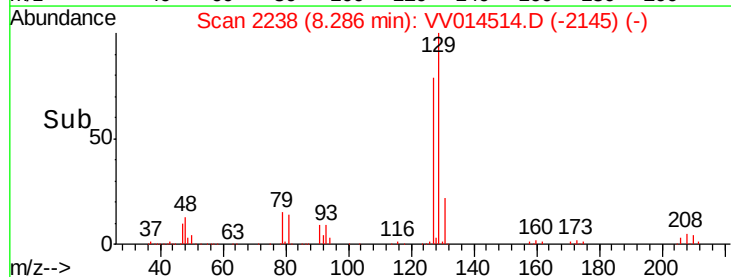
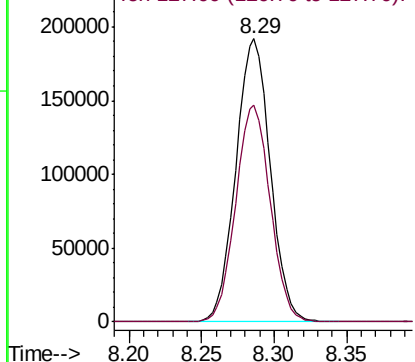


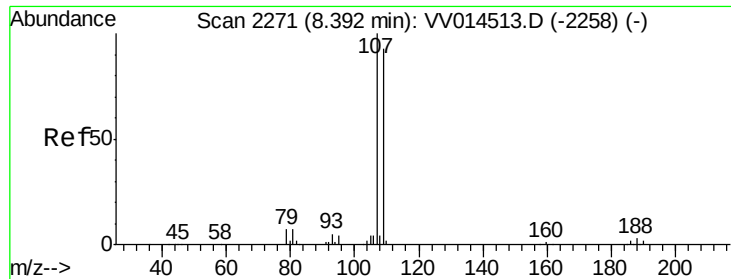
#49
Dibromochloromethane
Concen: 105.916 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion: 129 Resp: 316997
Ion Ratio Lower Upper
129 100
127 76.6 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

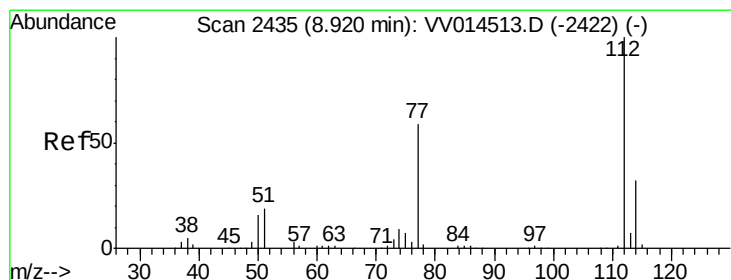
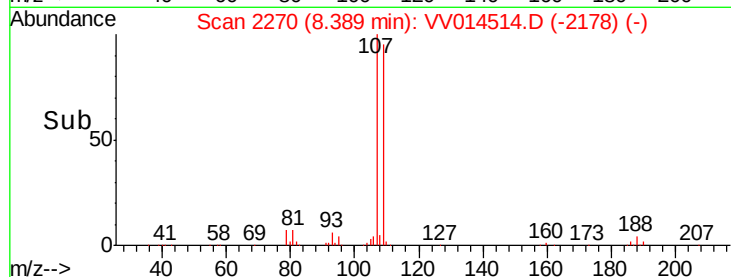
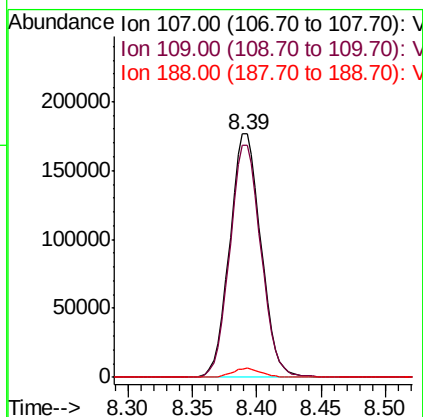
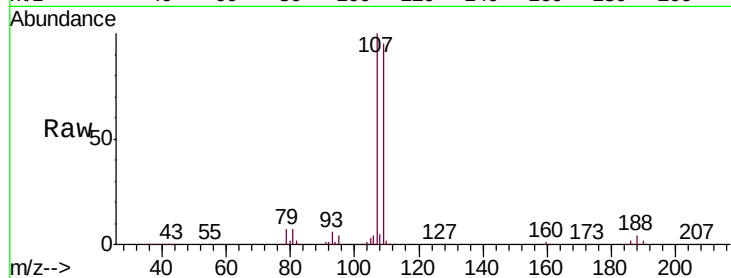




#50
1,2-Dibromoethane
Concen: 113.355 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

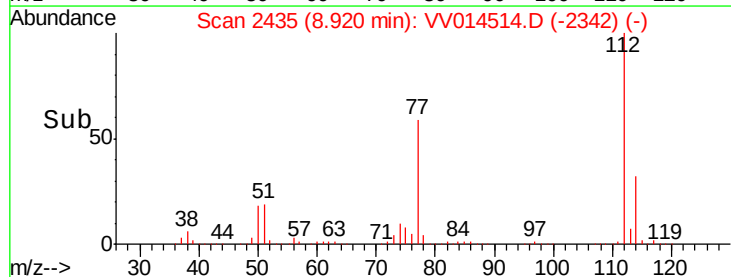
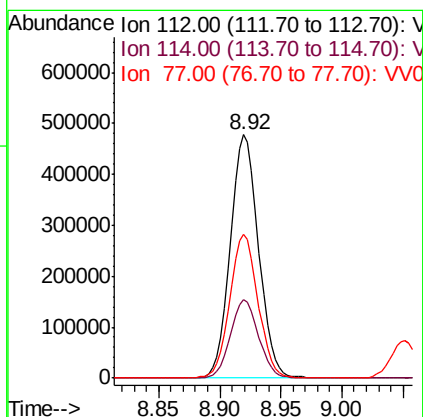
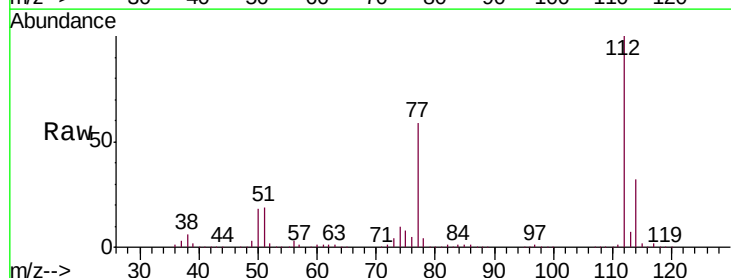
Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

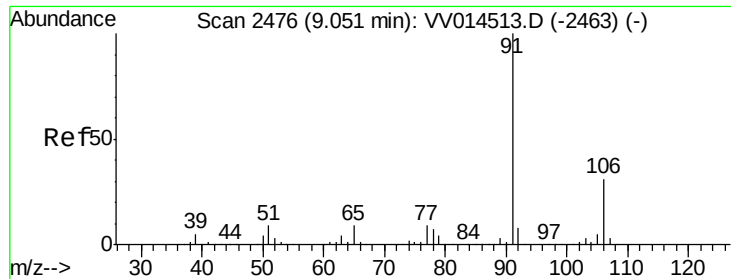
Tgt Ion:107 Resp: 297340
Ion Ratio Lower Upper
107 100
109 95.5 65.2 121.2
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 114.245 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion:112 Resp: 772568
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 59.2 47.3 70.9





#52

Ethylbenzene

Concen: 118.008 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

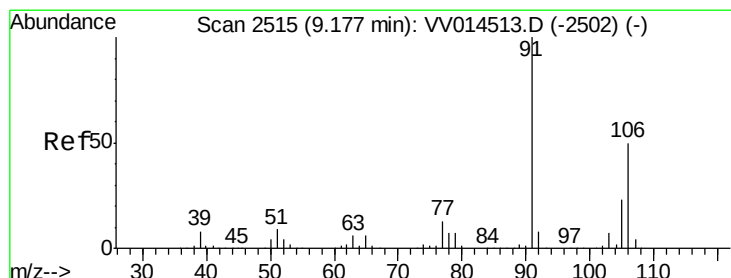
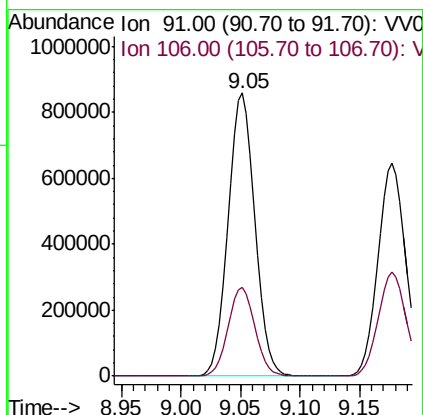
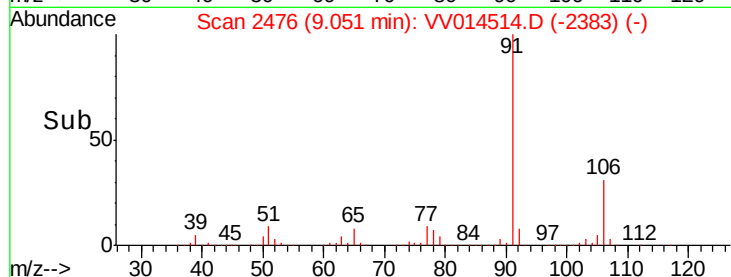
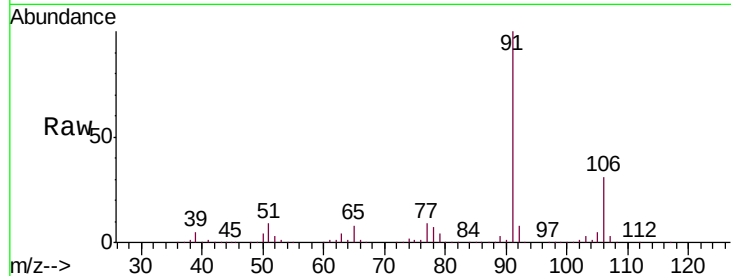
VSTD100204

Tgt Ion: 91 Resp: 1339344

Ion Ratio Lower Upper

91 100

106 31.2 21.5 39.9



#53

m,p-Xylene

Concen: 117.360 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014514.D

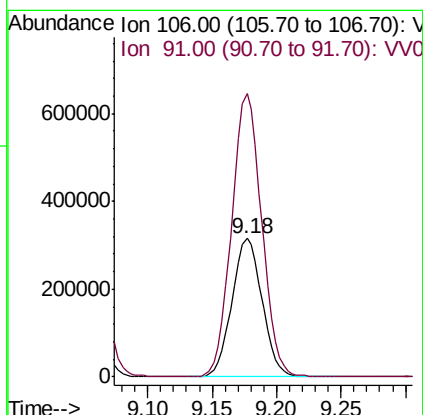
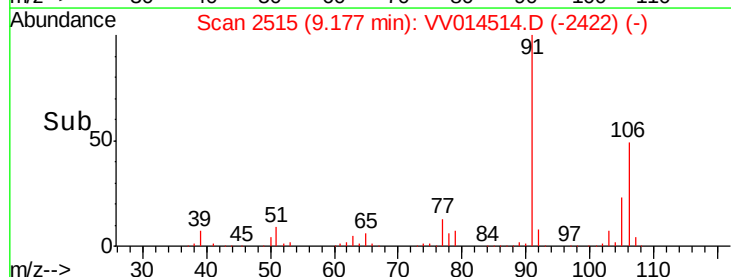
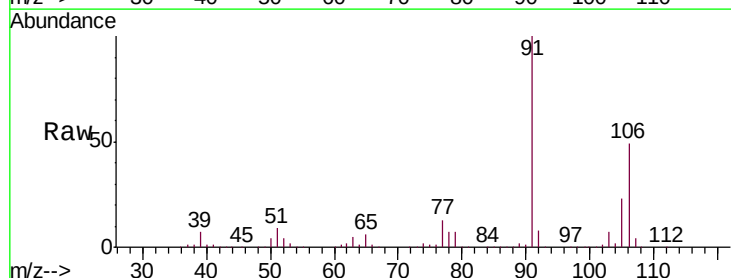
Acq: 06 Feb 2020 11:33

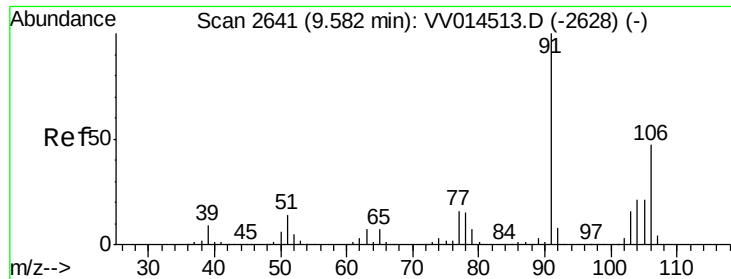
Tgt Ion: 106 Resp: 511614

Ion Ratio Lower Upper

106 100

91 204.2 141.4 262.6

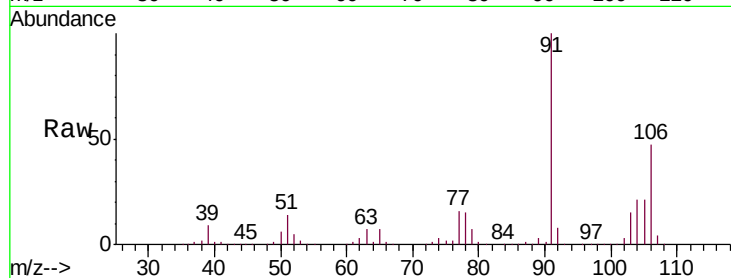




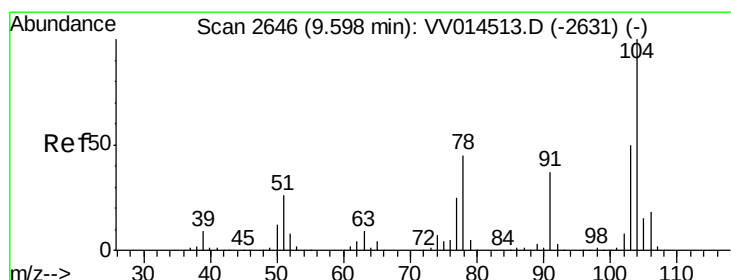
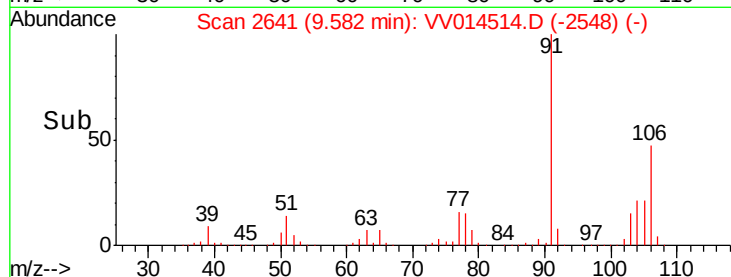
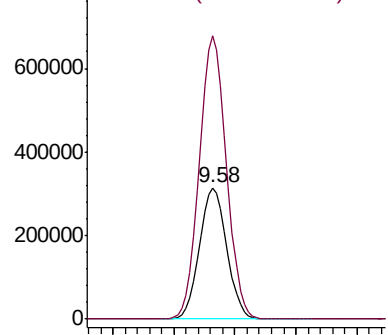
#54
o-Xylene
Concen: 114.761 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

Tgt Ion:106 Resp: 493429
Ion Ratio Lower Upper
106 100
91 215.0 149.4 277.4

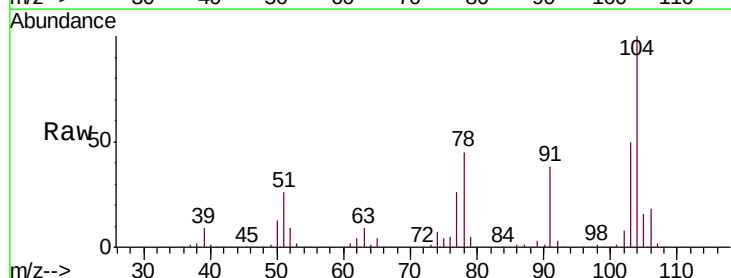


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

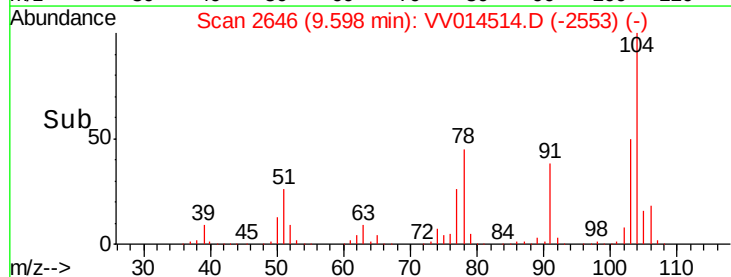
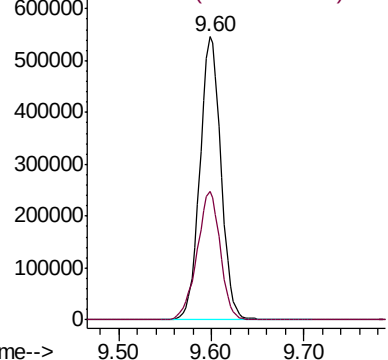


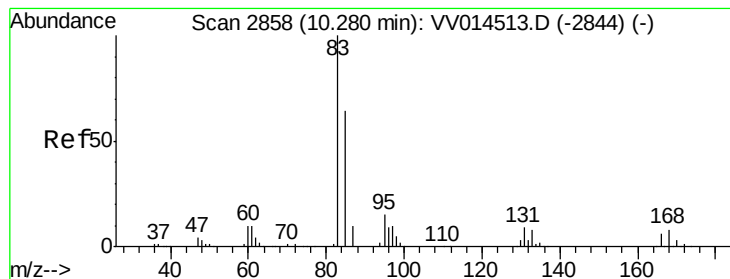
#55
Styrene
Concen: 117.834 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion:104 Resp: 858654
Ion Ratio Lower Upper
104 100
78 45.5 31.6 58.8



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





#57

1,1,2,2-Tetrachloroethane

Concen: 117.551 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD100204

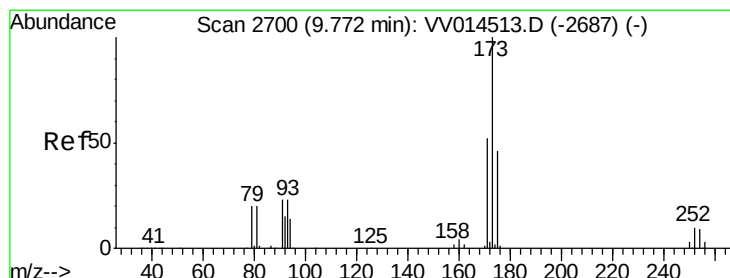
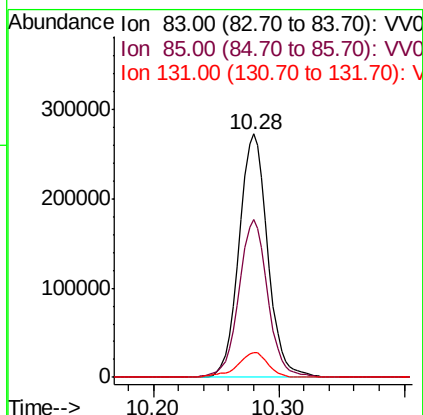
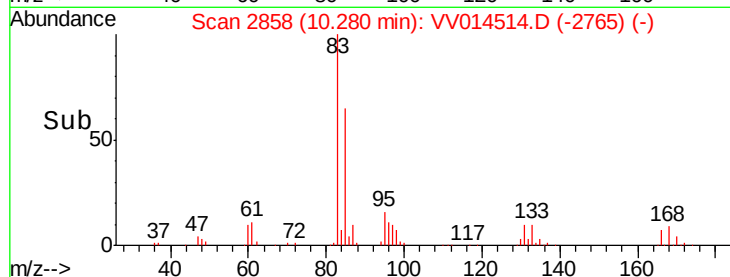
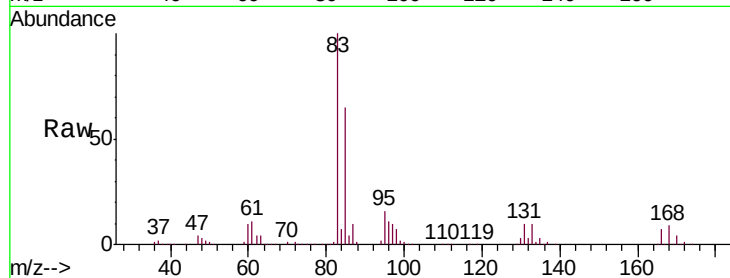
Tgt Ion: 83 Resp: 432878

Ion Ratio Lower Upper

83 100

85 64.7 45.2 84.0

131 10.4 7.8 11.8



#59

Bromoform

Concen: 99.569 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

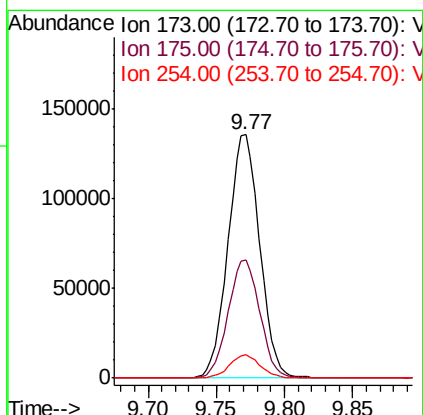
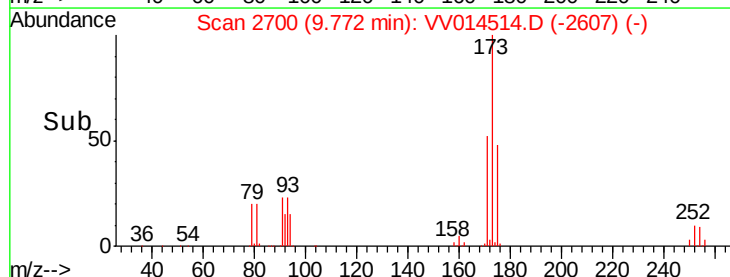
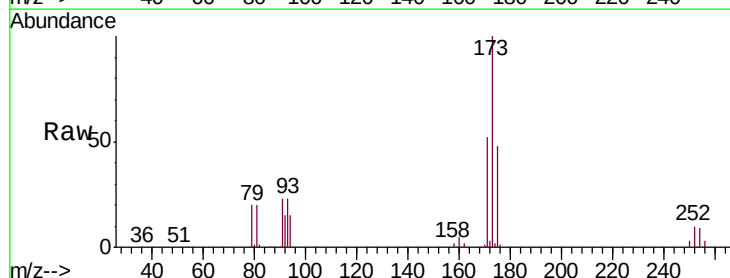
Tgt Ion: 173 Resp: 218822

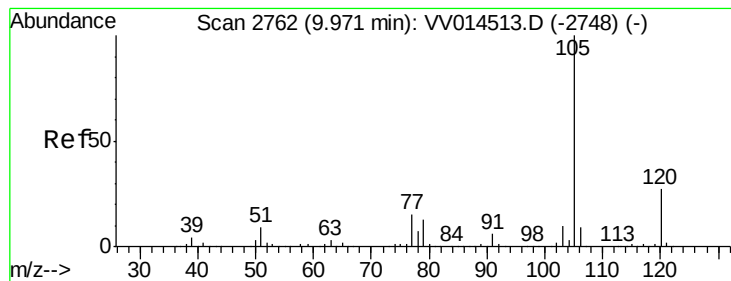
Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.8

254 9.3 7.0 10.6





#60

Isopropylbenzene

Concen: 120.122 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

Instrument :

MSVOA_V

ClientSampled :

VSTD100204

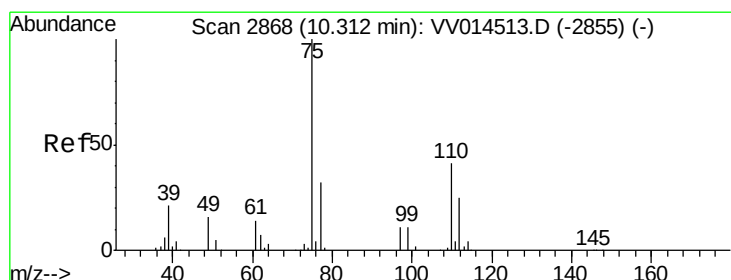
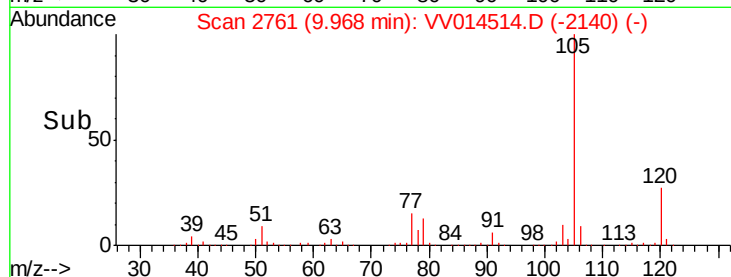
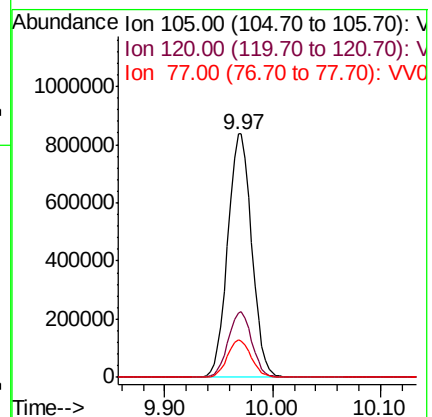
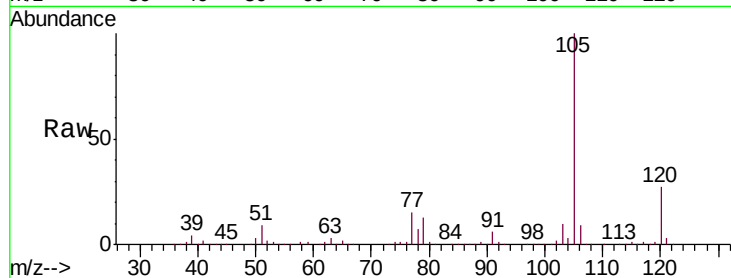
Tgt Ion:105 Resp: 1294714

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 15.2 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 124.050 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014514.D

Acq: 06 Feb 2020 11:33

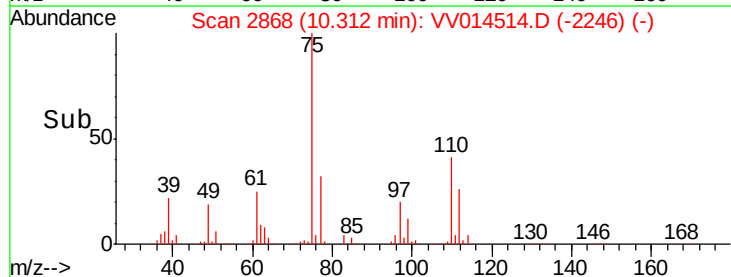
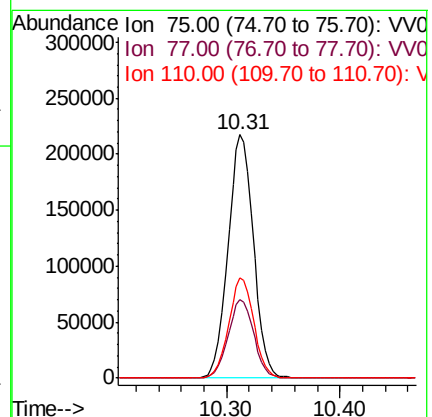
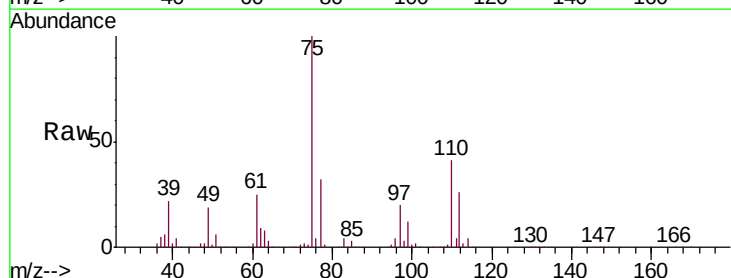
Tgt Ion: 75 Resp: 339440

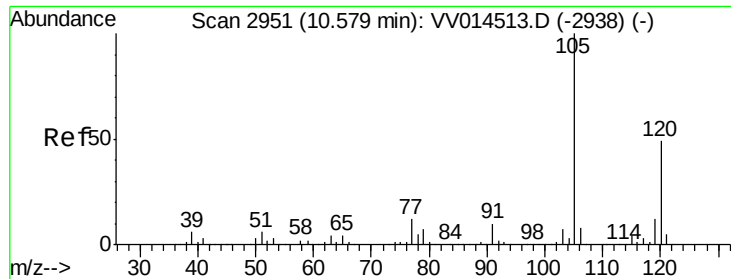
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

110 40.5 32.4 48.6

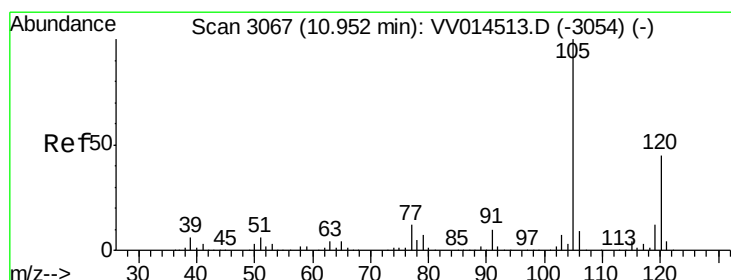
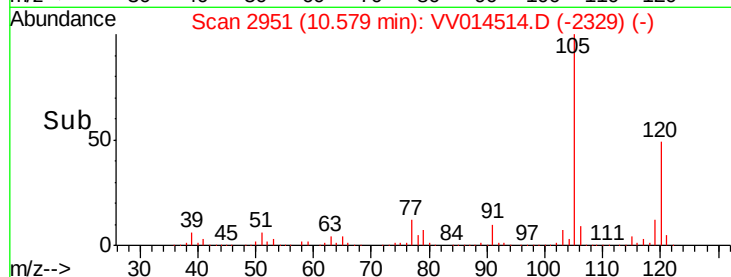
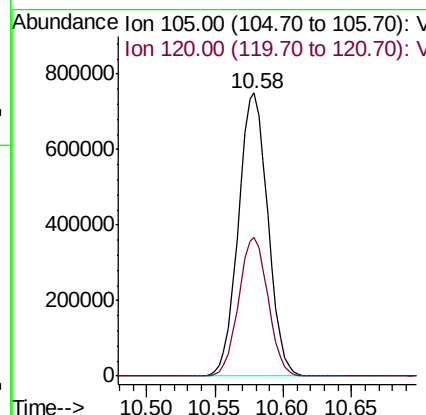
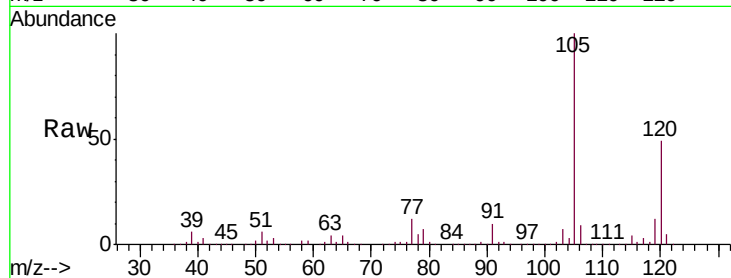




#62
 1,3,5-Trimethylbenzene
 Concen: 120.459 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

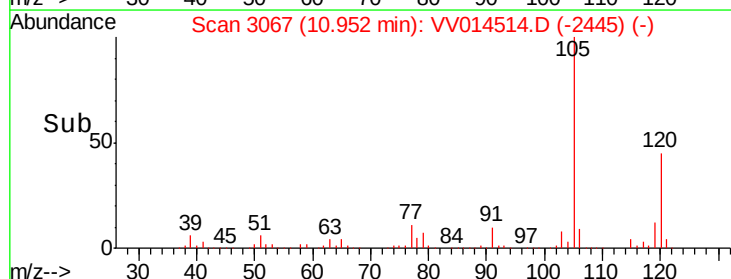
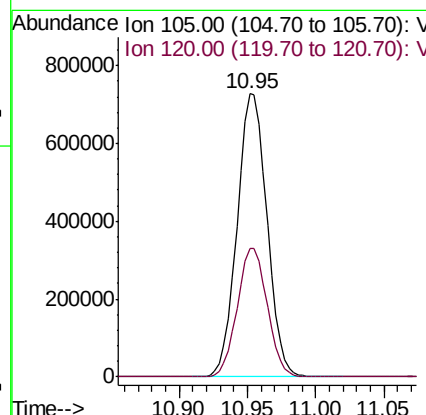
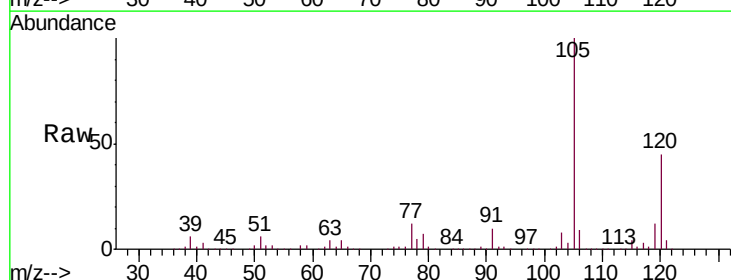
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

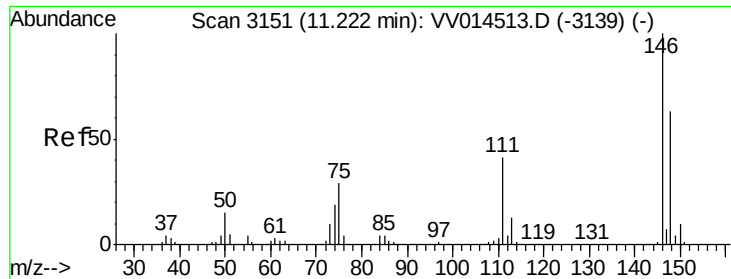
Tgt Ion:105 Resp: 1122752
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 119.958 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion:105 Resp: 1105431
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.2 54.4

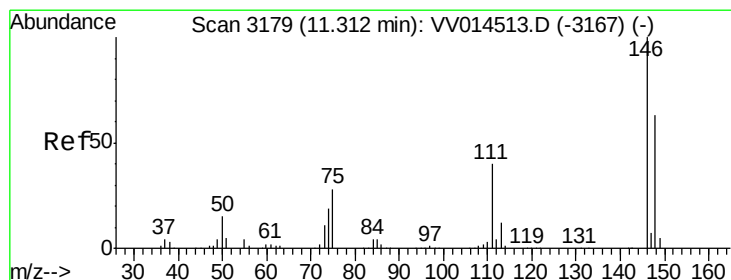
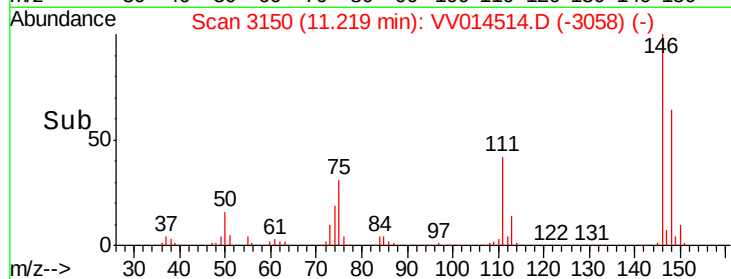
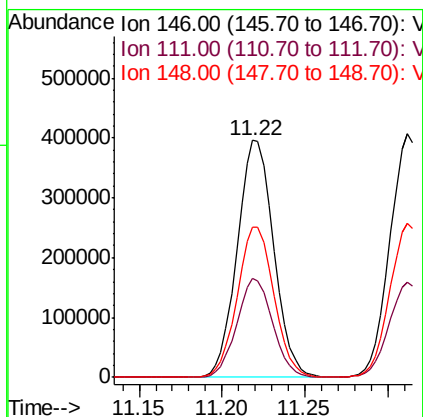
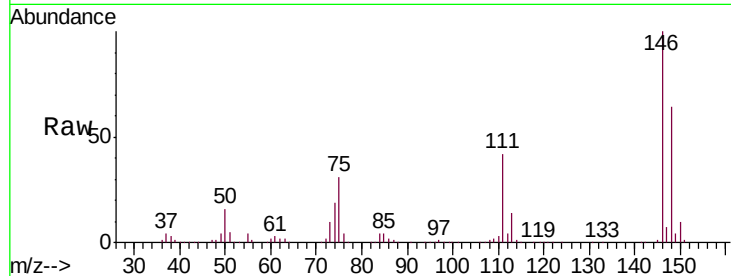




#64
 1,3-Dichlorobenzene
 Concen: 112.786 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

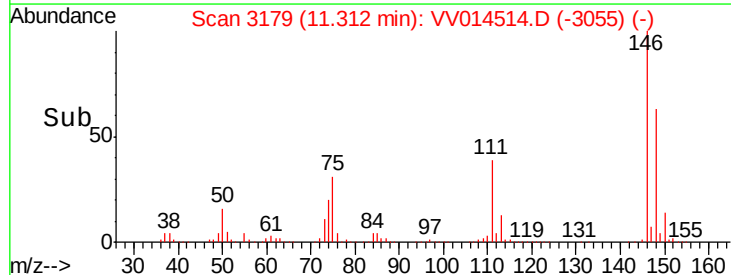
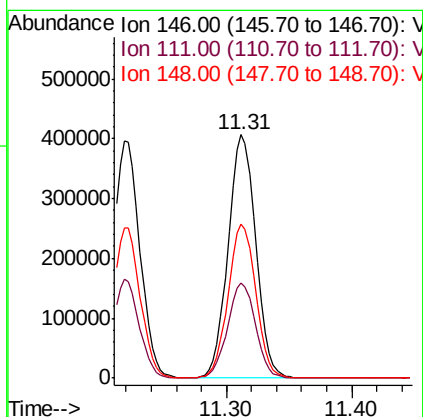
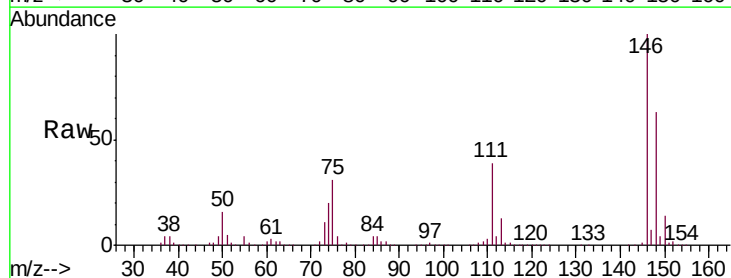
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

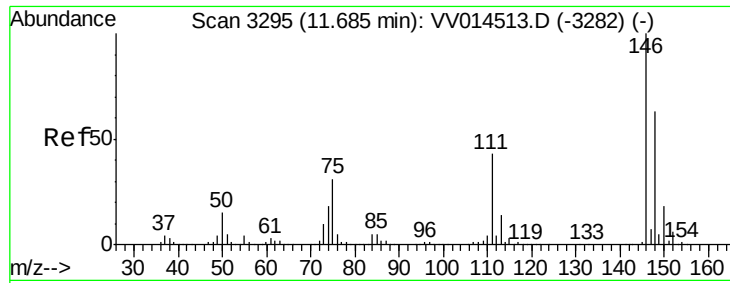
Tgt Ion:146 Resp: 605878
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.9 53.7
 148 63.6 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 113.610 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion:146 Resp: 619519
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.1 52.3
 148 63.4 44.4 82.4

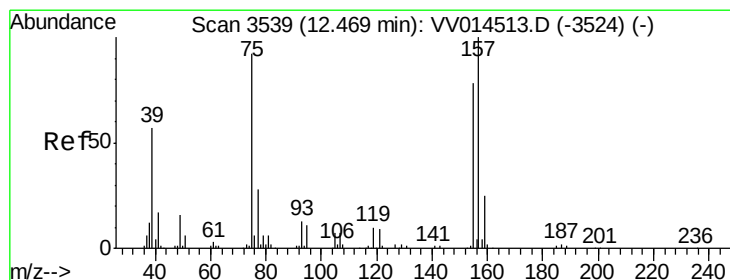
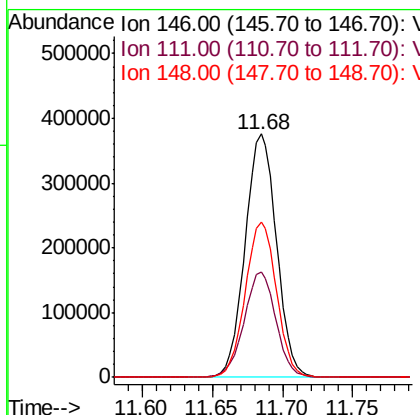
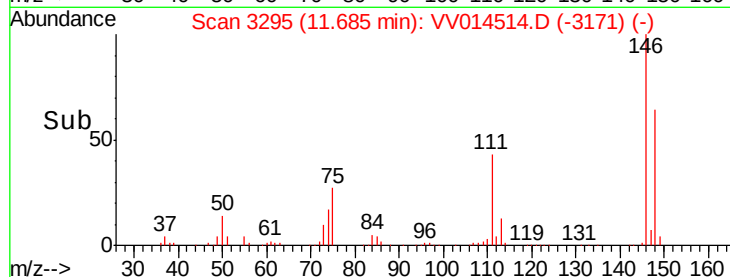
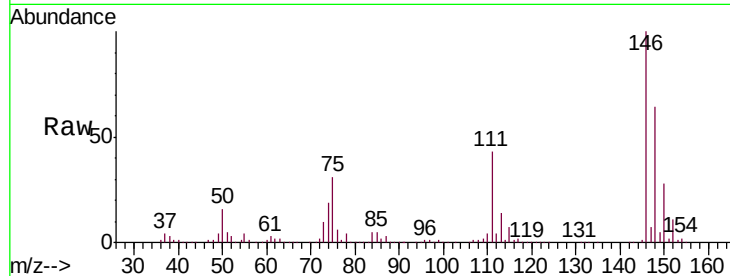




#67
 1,2-Dichlorobenzene
 Concen: 108.460 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

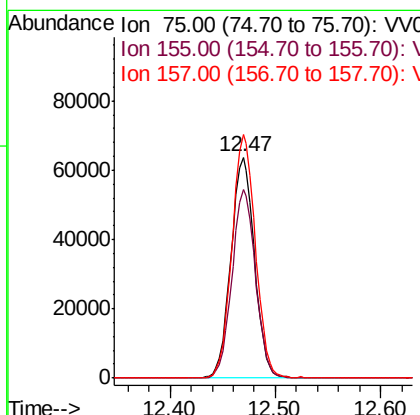
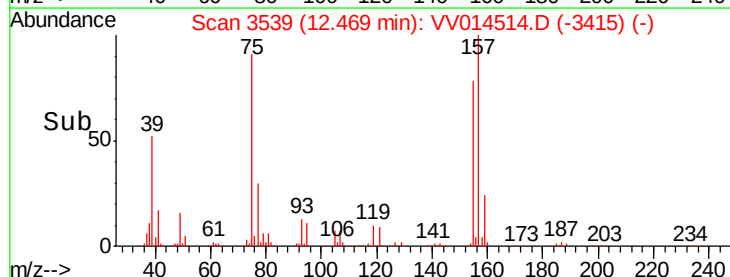
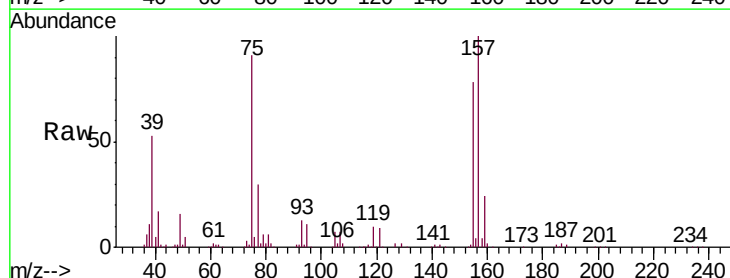
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 ClientSampleId :
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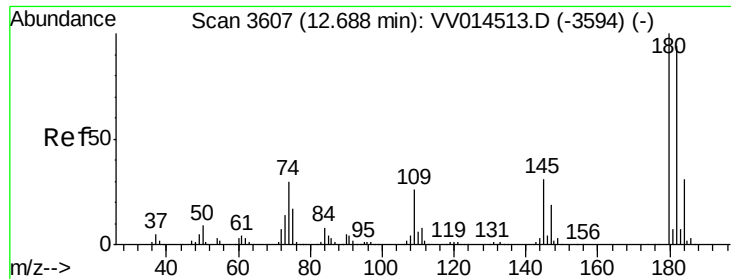
Tgt Ion: 146 Resp: 587400
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 51.8
 148 64.0 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 112.733 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion: 75 Resp: 98378
 Ion Ratio Lower Upper
 75 100
 155 85.8 68.3 102.5
 157 110.4 87.1 130.7

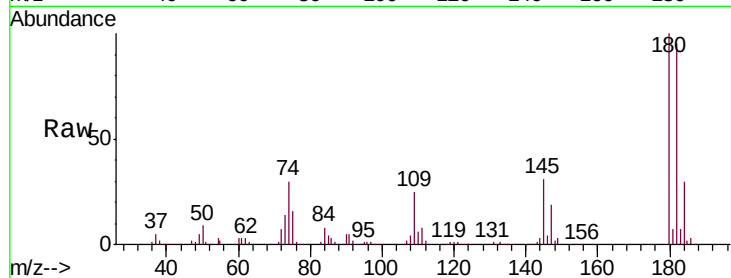




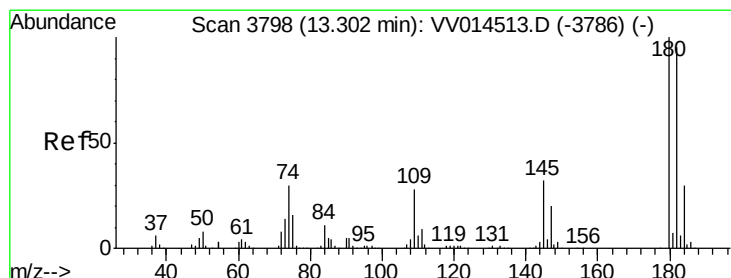
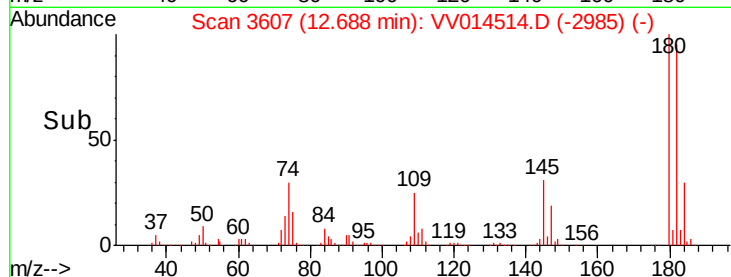
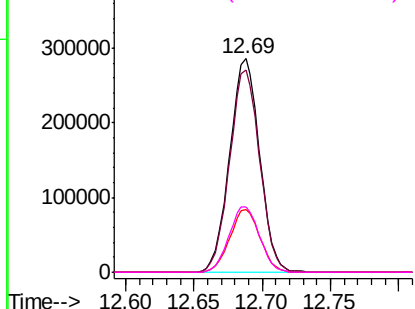
#69
 1,3,5-Trichlorobenzene
 Concen: 103.083 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100204

Tgt Ion:180 Resp: 435473
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.0 112.4
 184 29.7 24.2 36.2
 145 31.3 24.3 36.5

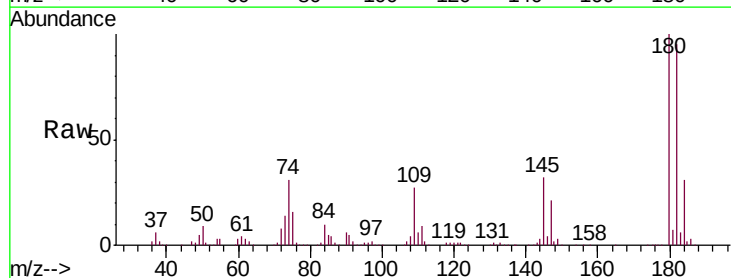


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

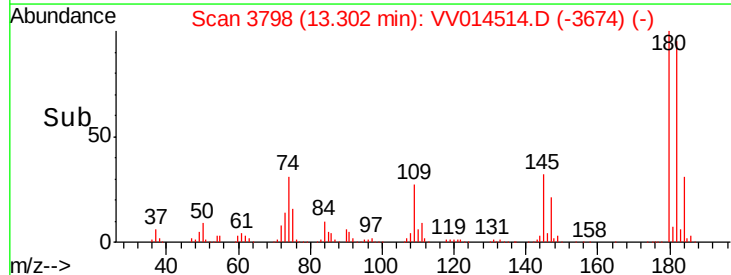
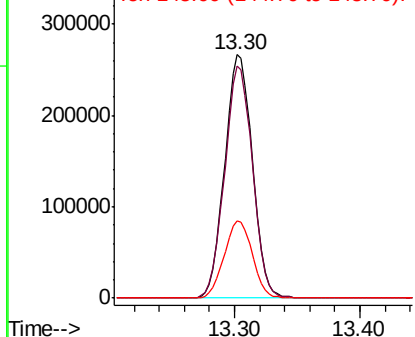


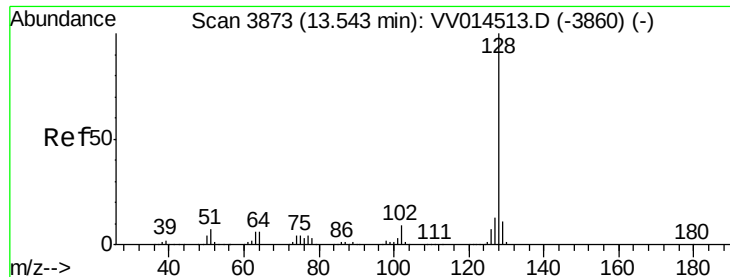
#70
 1,2,4-trichlorobenzene
 Concen: 109.745 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014514.D
 Acq: 06 Feb 2020 11:33

Tgt Ion:180 Resp: 407868
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.0 114.0
 145 32.3 25.3 37.9



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

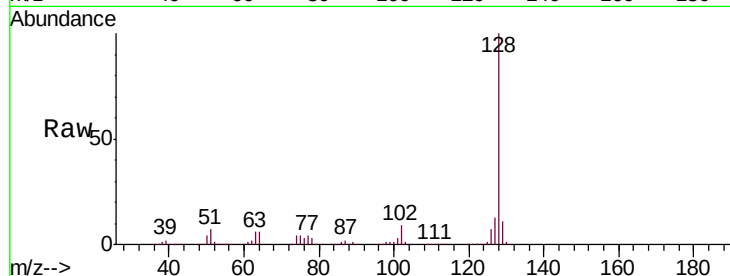




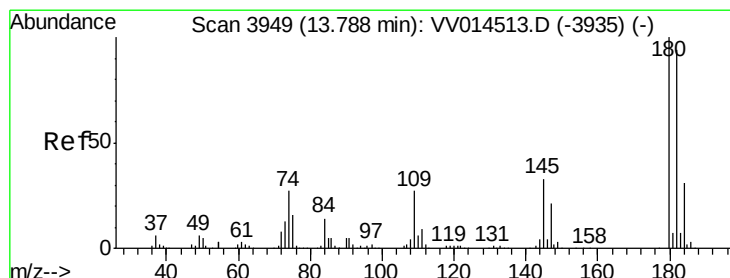
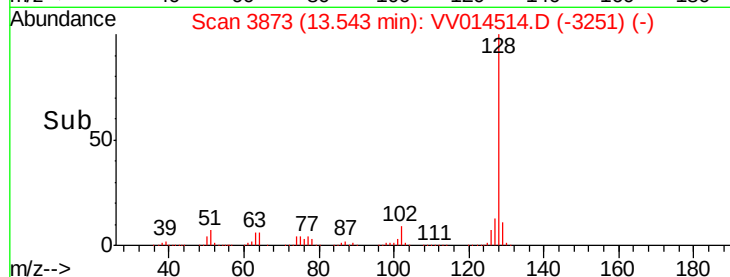
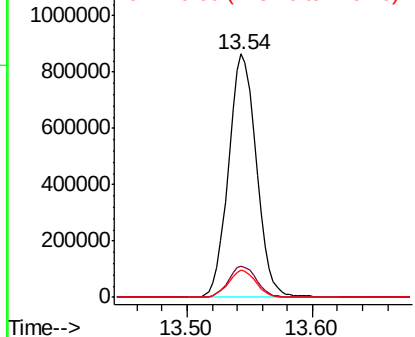
#71
Naphthalene
Concen: 134.331 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD100204

Tgt Ion:128 Resp: 1334149
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1

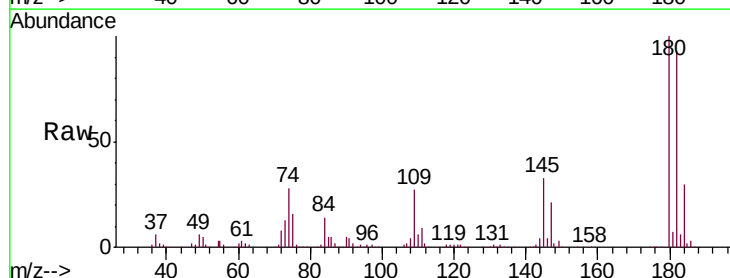


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 107.239 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014514.D
Acq: 06 Feb 2020 11:33

Tgt Ion:180 Resp: 395852
Ion Ratio Lower Upper
180 100
182 93.9 75.2 112.8
145 33.8 27.1 40.7



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

