

Data File : VV014515.D
Acq On : 06 Feb 2020 11:56
Operator : SY/MD
Sample : VSTD20064
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD200205

Quant Time: Feb 07 01:08:11 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	411741	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	382627	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	192637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	435129	188.96	ug/L	0.00
7) Chloroethane-d5	1.57	69	289985	177.13	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.13	63	651926	167.45	ug/L	0.00
21) 2-Butanone-d5	3.92	46	739254	431.30	ug/L	0.00
24) Chloroform-d	4.40	84	1034759	181.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	626123	172.64	ug/L	0.00
32) Benzene-d6	5.10	84	2097253	186.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	655272	198.71	ug/L	0.00
41) Toluene-d8	7.36	98	1949403	181.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	356743	192.98	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	595771	431.85	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	854104	186.13	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	731021	163.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	640393	213.349	ug/L	99
3) Chloromethane	1.26	50	617086	263.484	ug/L	100
5) Vinyl chloride	1.32	62	486042	228.804	ug/L	100
6) Bromomethane	1.52	94	218432	186.628	ug/L	98
8) Chloroethane	1.59	64	232441	210.809	ug/L	100
9) Trichlorofluoromethane	1.77	101	673145	203.874	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	311130	193.606	ug/L	100
12) 1,1-Dichloroethene	2.14	96	297149	194.638	ug/L	98
13) Acetone	2.19	43	522028	443.725	ug/L	99
14) Carbon disulfide	2.32	76	1493920	265.113	ug/L	100
15) Methyl Acetate	2.45	43	561254	259.362	ug/L	100
16) Methylene chloride	2.54	84	567592	233.189	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	536910	236.166	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	1718089	225.010	ug/L	100
19) 1,1-Dichloroethane	3.23	63	969830	234.471	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	608799	230.666	ug/L	98
22) 2-Butanone	4.00	43	859046	533.373	ug/L	94
23) Bromochloromethane	4.29	128	298651	211.539	ug/L	99
25) Chloroform	4.42	83	983837	215.242	ug/L	98
27) 1,2-Dichloroethane	5.17	62	744925	211.777	ug/L	100
29) Cyclohexane	4.72	56	909144	257.849	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	867032	208.086	ug/L	99
31) Carbon tetrachloride	4.87	117	776998	203.207	ug/L	100
33) Benzene	5.14	78	2194381	233.409	ug/L	100
34) Trichloroethene	5.95	95	578322	225.138	ug/L	100
35) Methylcyclohexane	6.17	83	934289	239.244	ug/L	99
37) 1,2-Dichloropropane	6.22	63	563546	243.846	ug/L	100
38) Bromodichloromethane	6.55	83	769108	219.407	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	989322	245.092	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1496744	498.702	ug/L	99

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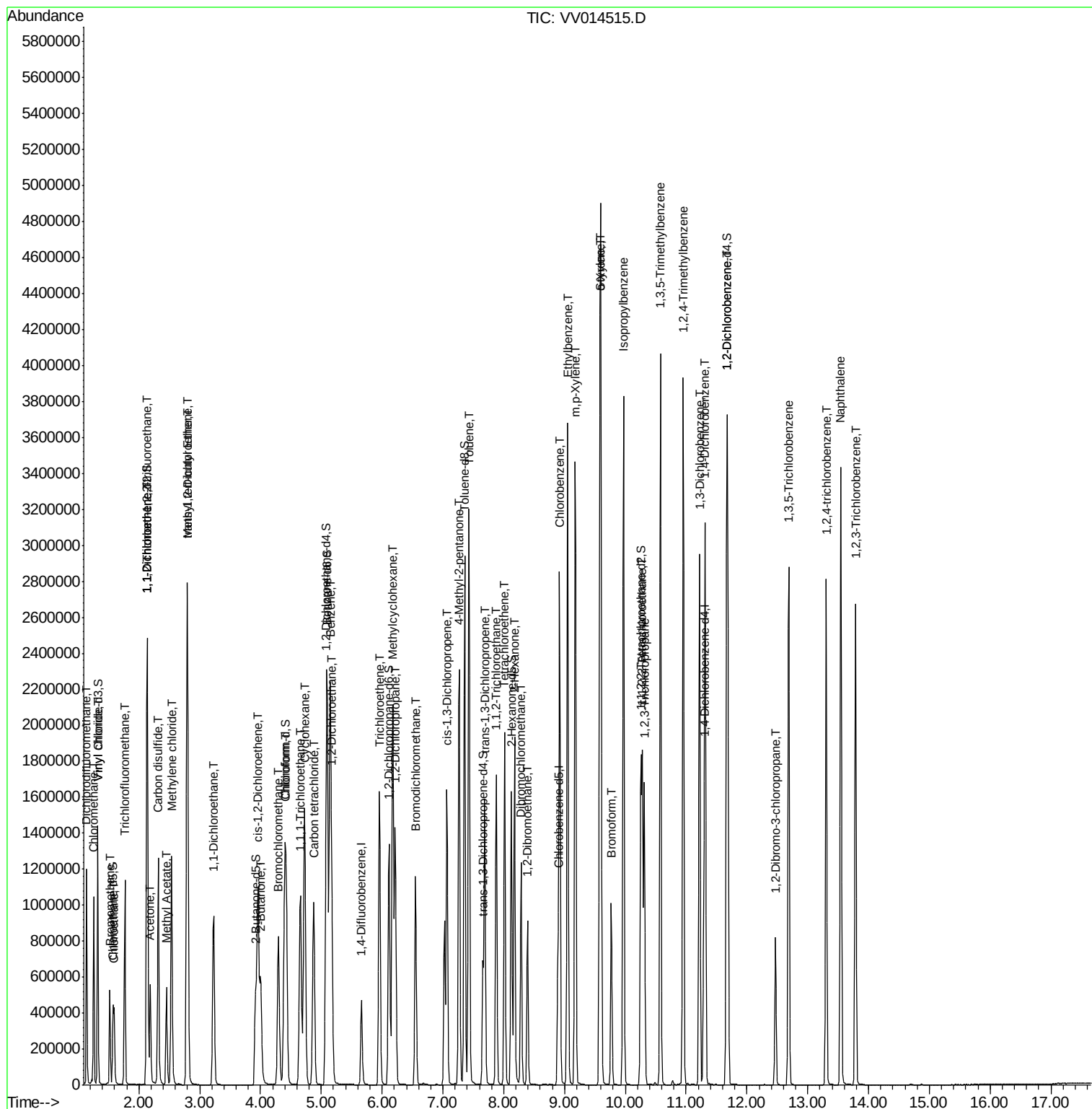
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2329656	226.084	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	860897	229.012	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	536535	220.893	ug/L	100
46) Tetrachloroethene	8.02	164	441466	191.176	ug/L	98
48) 2-Hexanone	8.18	43	1170399	510.914	ug/L	98
49) Dibromochloromethane	8.29	129	633805	207.309	ug/L	99
50) 1,2-Dibromoethane	8.39	107	597802	223.101	ug/L	99
51) Chlorobenzene	8.92	112	1519574	219.979	ug/L	100
52) Ethylbenzene	9.05	91	2606577	224.827	ug/L	98
53) m,p-Xylene	9.18	106	996075	223.680	ug/L	98
54) o-Xylene	9.58	106	946272	215.449	ug/L	99
55) Styrene	9.60	104	1659133	222.890	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	857780	228.032	ug/L	100
59) Bromoform	9.77	173	450649	199.565	ug/L	98
60) Isopropylbenzene	9.97	105	2516295	227.208	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	677593	241.000	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	2185249	228.175	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	2158223	227.933	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	1195221	216.536	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	1211007	216.133	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	1153603	207.302	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	201540	224.764	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	868465	200.074	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	823416	215.623	ug/L	99
71) Naphthalene	13.54	128	2666788	261.320	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	792460	208.935	ug/L	99

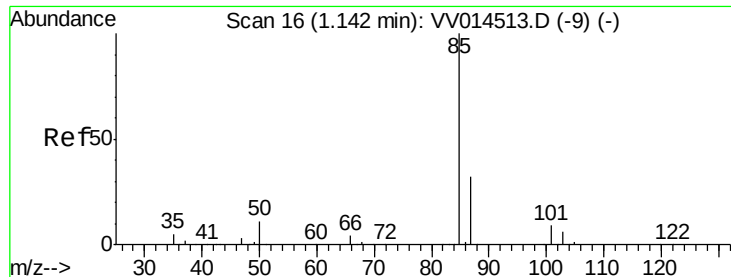
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 213.349 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

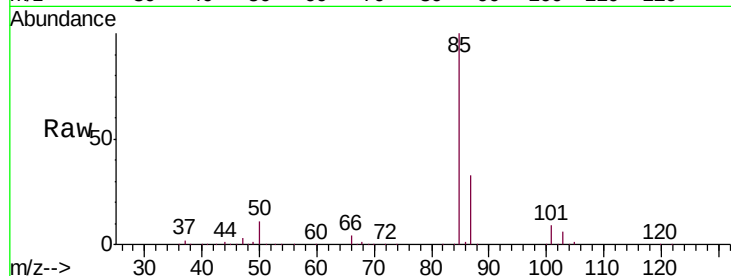
VSTD200205

Tgt Ion: 85 Resp: 640393

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

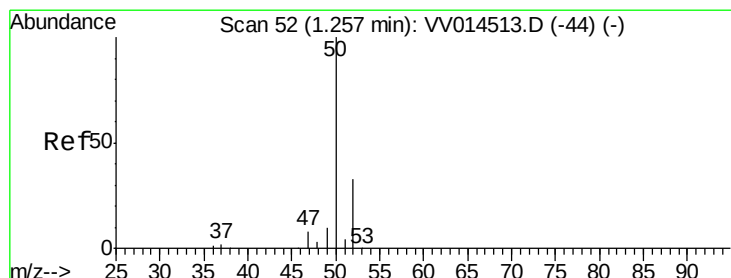
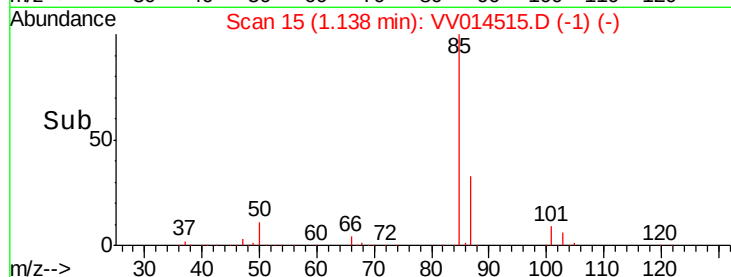
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 263.484 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014515.D

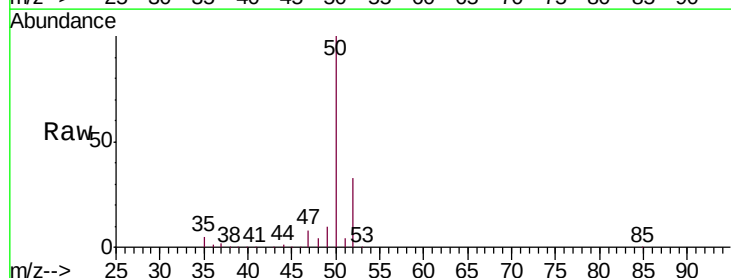
Acq: 06 Feb 2020 11:56

Tgt Ion: 50 Resp: 617086

Ion Ratio Lower Upper

50 100

52 32.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

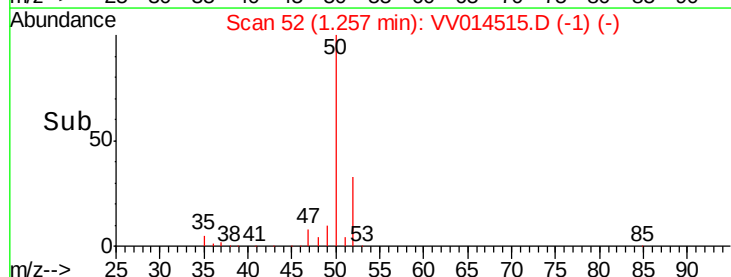
600000

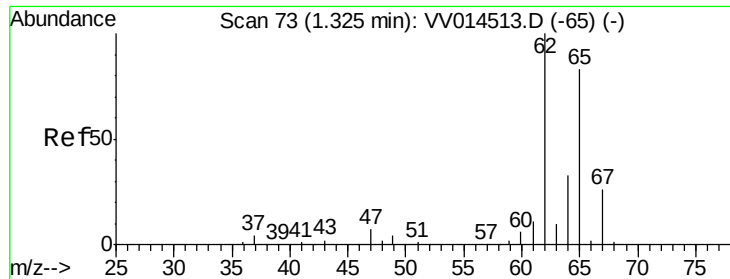
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 228.804 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

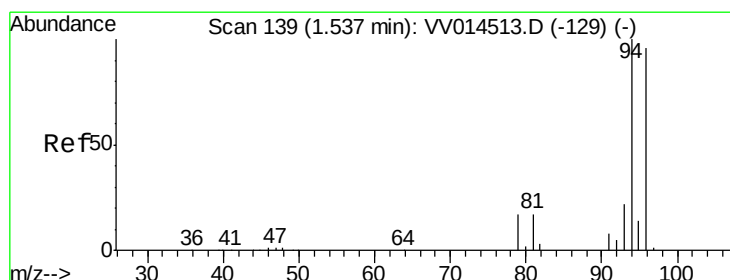
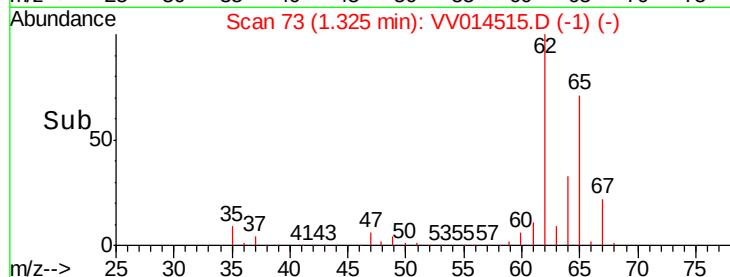
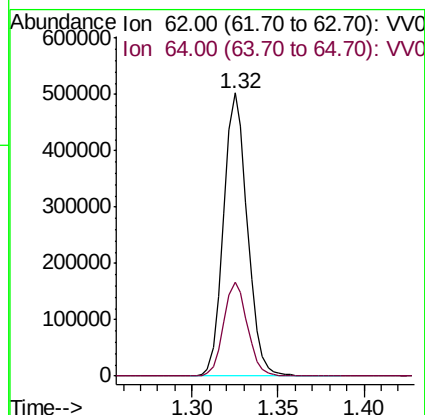
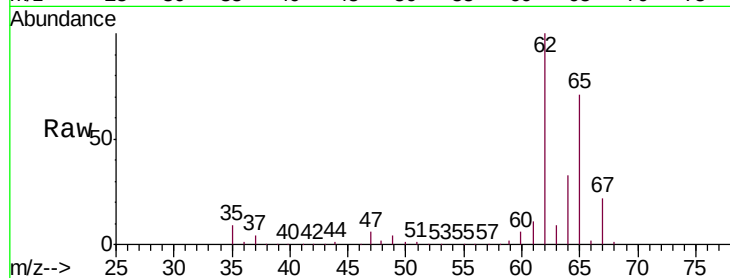
VSTD200205

Tgt Ion: 62 Resp: 486042

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 186.628 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.02 min

Lab File: VV014515.D

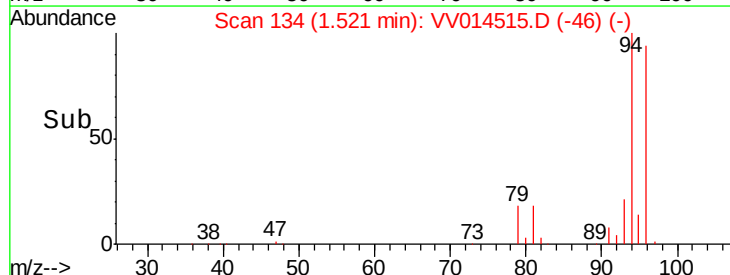
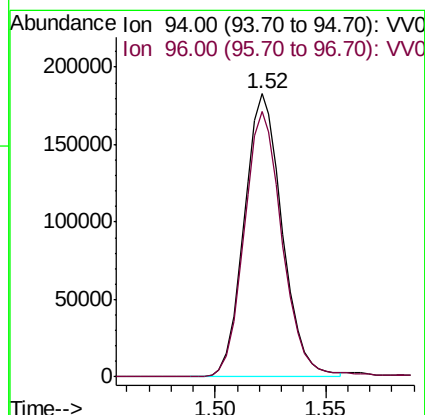
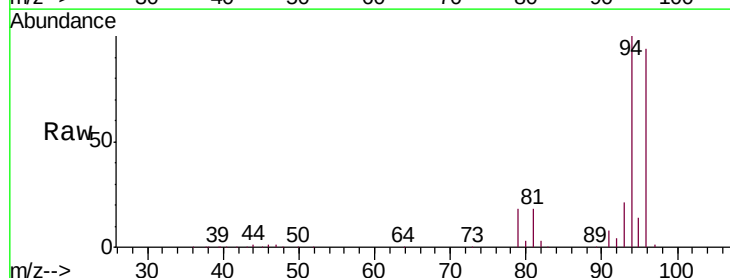
Acq: 06 Feb 2020 11:56

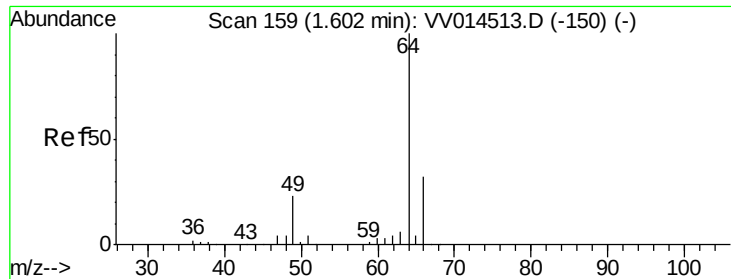
Tgt Ion: 94 Resp: 218432

Ion Ratio Lower Upper

94 100

96 93.7 67.3 124.9





#8

Chloroethane

Concen: 210.809 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

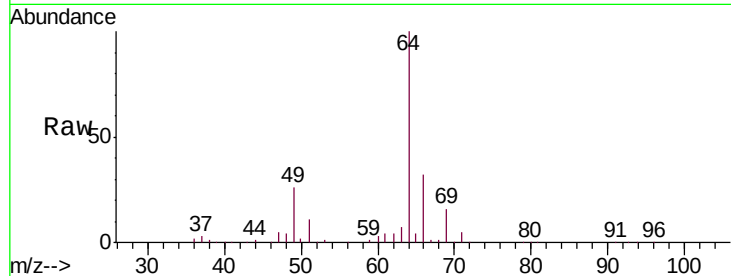
VSTD200205

Tgt Ion: 64 Resp: 232441

Ion Ratio Lower Upper

64 100

66 31.8 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) (-)

1.59

200000

150000

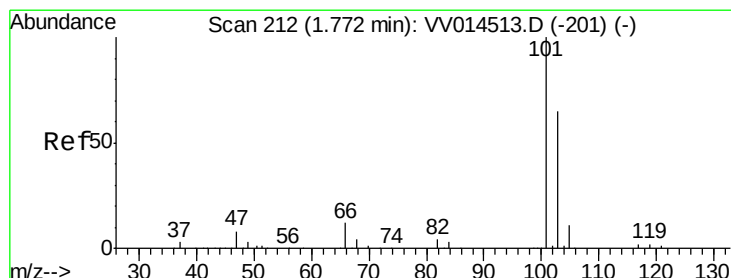
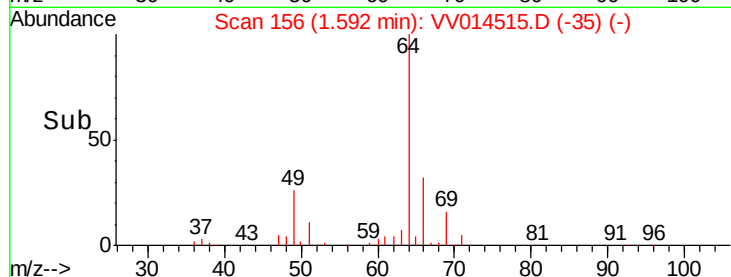
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 203.874 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014515.D

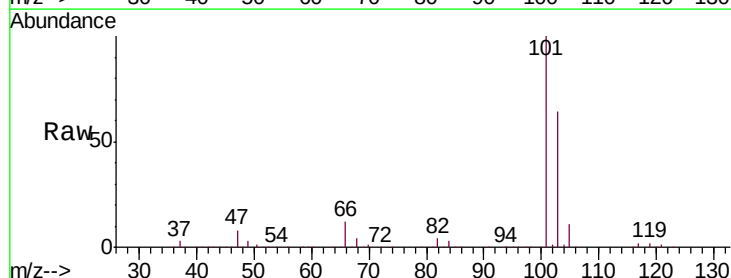
Acq: 06 Feb 2020 11:56

Tgt Ion: 101 Resp: 673145

Ion Ratio Lower Upper

101 100

103 64.3 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

600000

500000

400000

300000

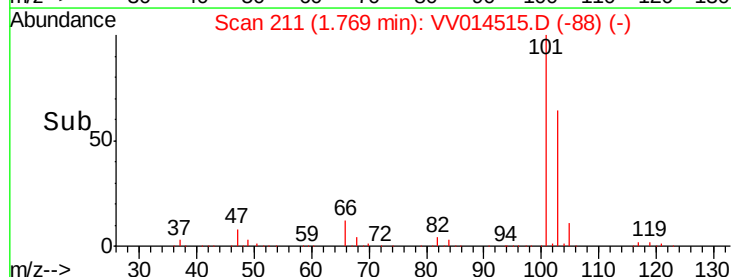
200000

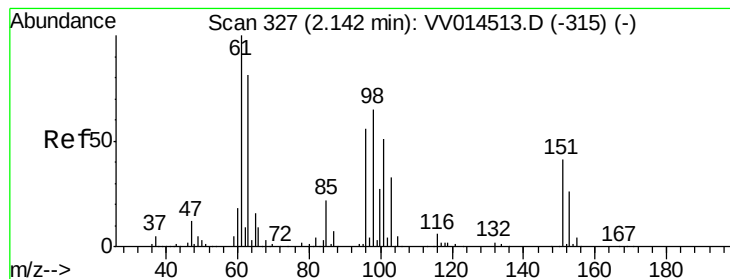
100000

0

Time-->

1.70 1.80 1.90





#10

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

Concen: 193.606 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

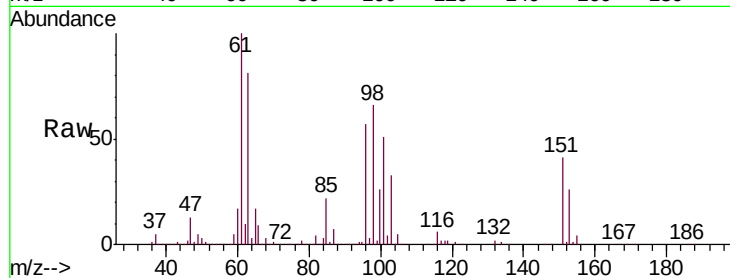
Tgt Ion: 101 Resp: 311130

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.6

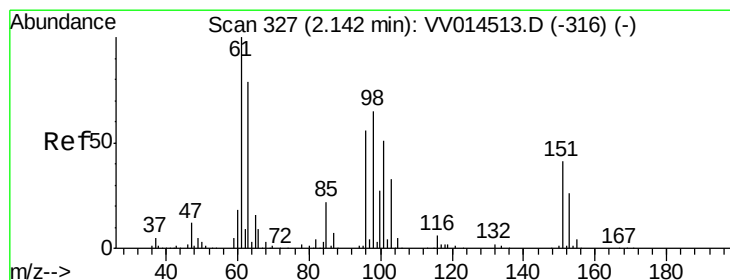
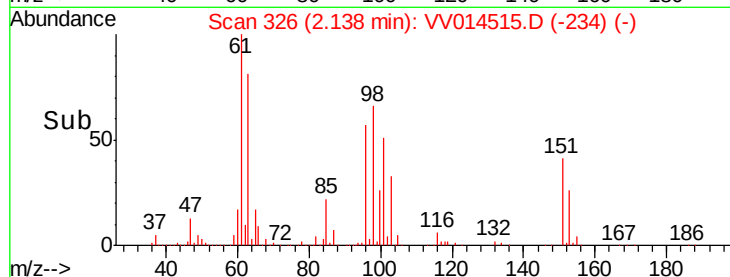
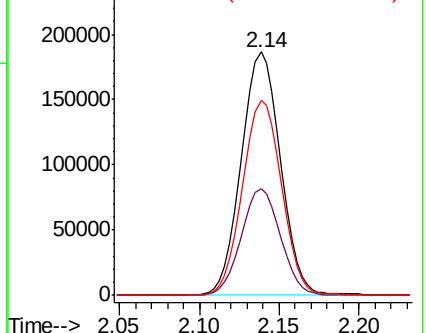
151 80.5 64.4 96.6



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: 194.638 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

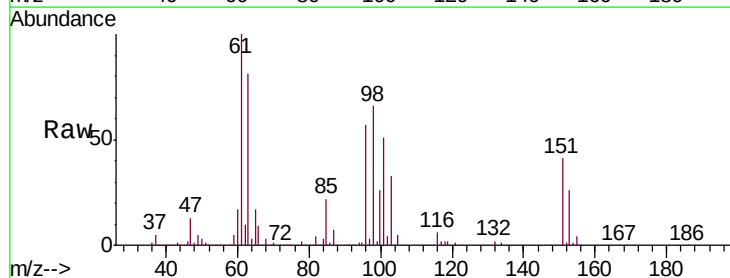
Tgt Ion: 96 Resp: 297149

Ion Ratio Lower Upper

96 100

61 175.5 125.0 232.2

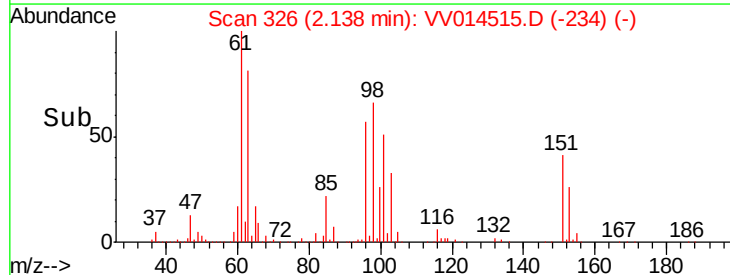
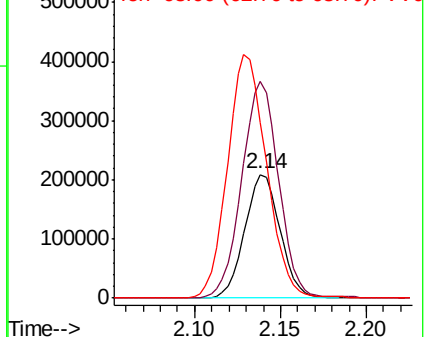
63 142.7 101.6 188.6

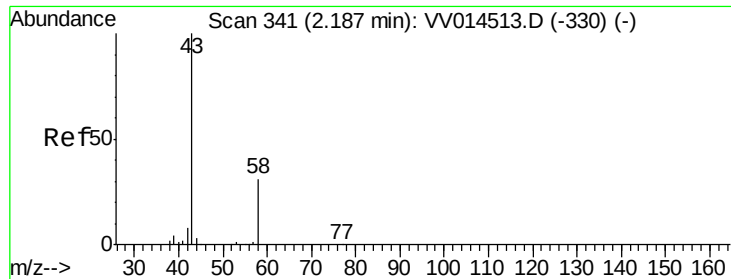


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 443.725 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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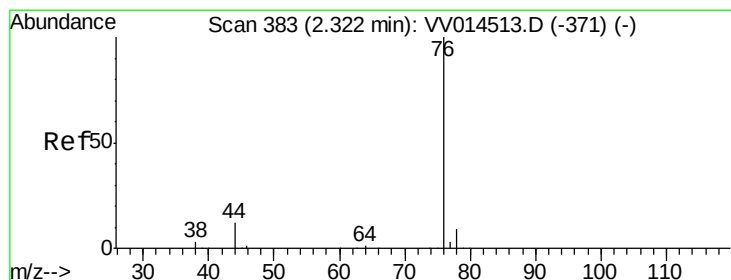
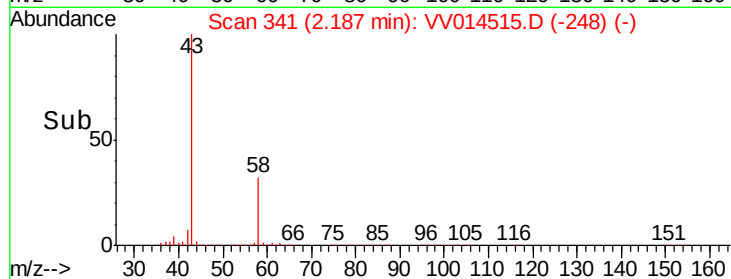
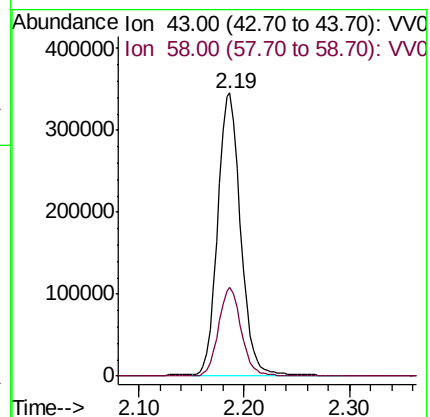
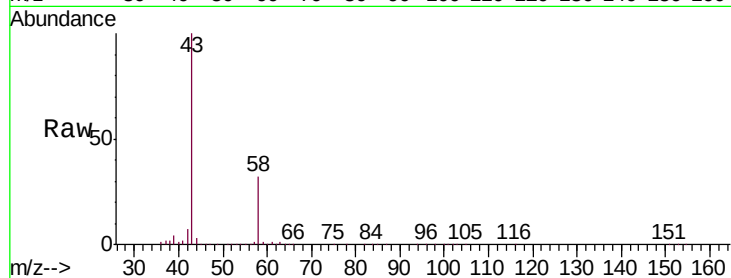
VSTD200205

Tgt Ion: 43 Resp: 522028

Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.8



#14

Carbon disulfide

Concen: 265.113 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014515.D

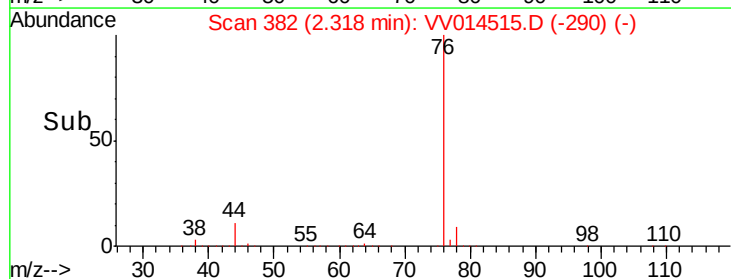
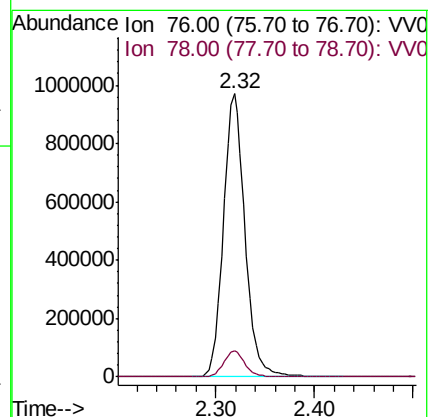
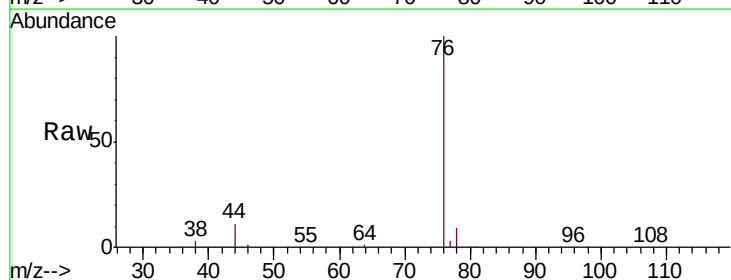
Acq: 06 Feb 2020 11:56

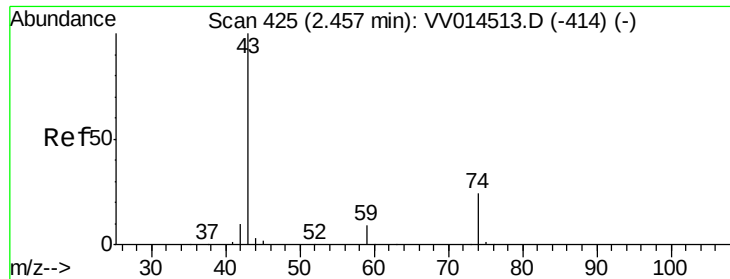
Tgt Ion: 76 Resp: 1493920

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 259.362 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

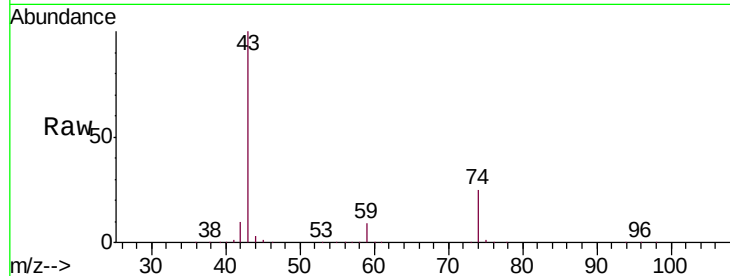
VSTD200205

Tgt Ion: 43 Resp: 561254

Ion Ratio Lower Upper

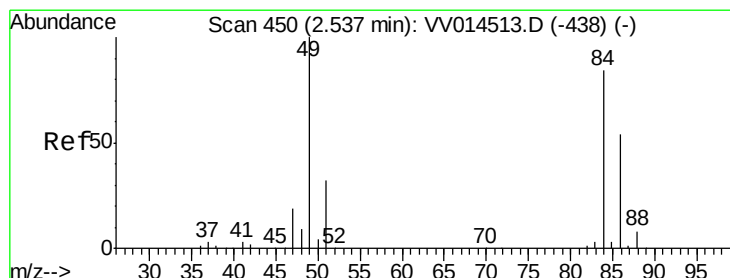
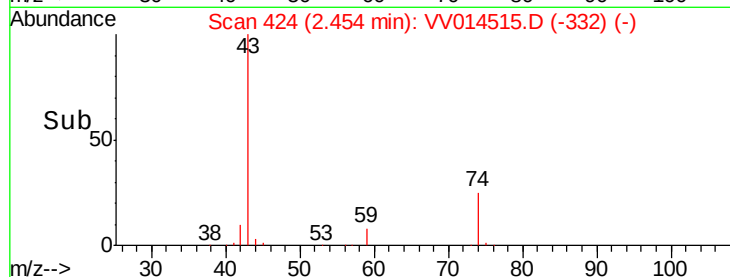
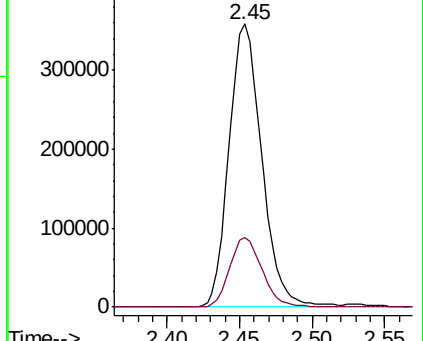
43 100

74 24.4 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 233.189 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

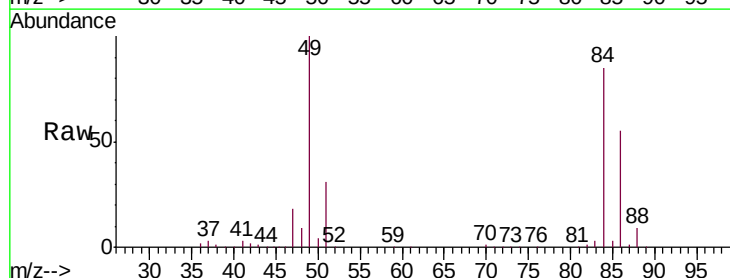
Tgt Ion: 84 Resp: 567592

Ion Ratio Lower Upper

84 100

86 65.1 44.6 82.8

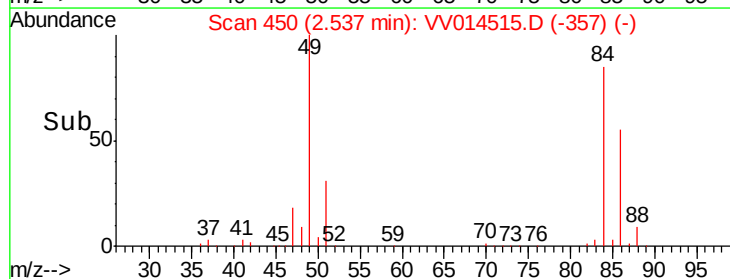
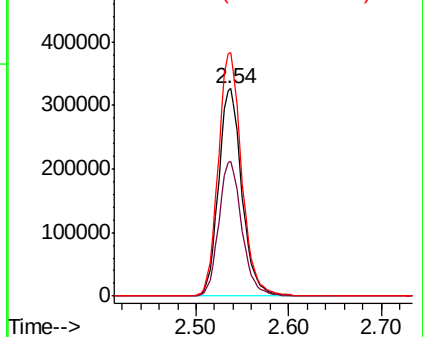
49 117.5 83.2 154.4

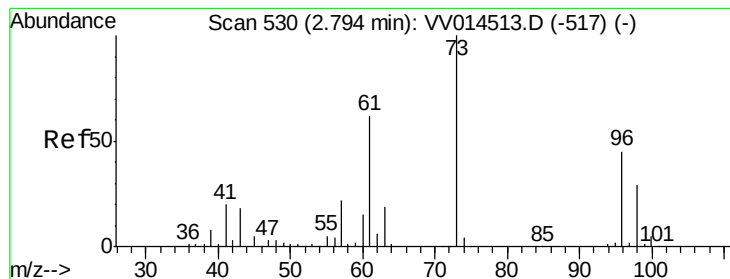


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 236.166 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

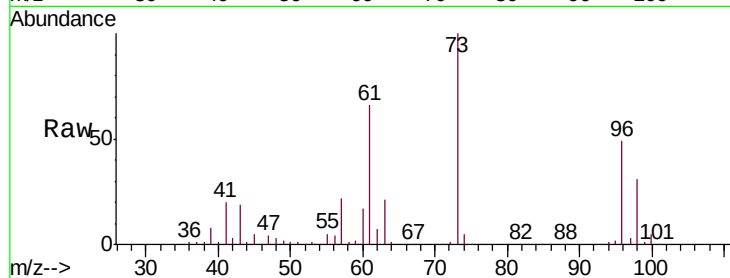
Tgt Ion: 96 Resp: 536910

Ion Ratio Lower Upper

96 100

61 136.6 95.8 178.0

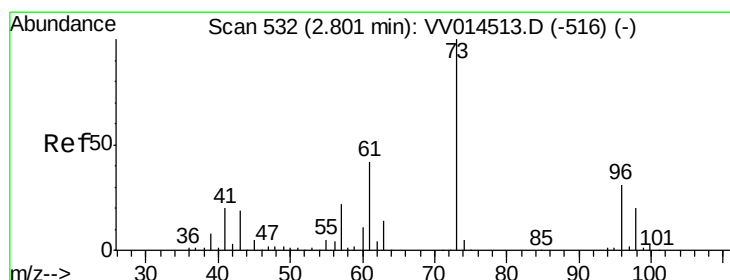
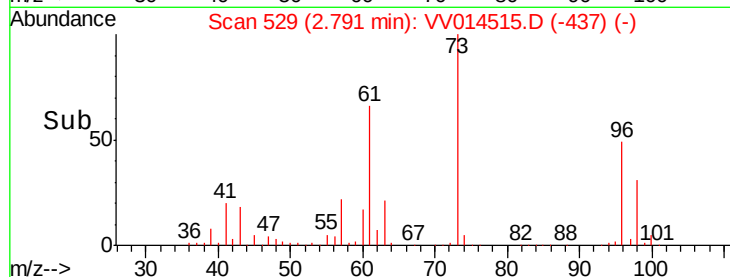
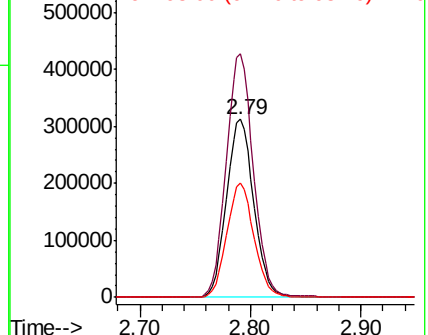
98 64.0 45.1 83.7



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: 225.010 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

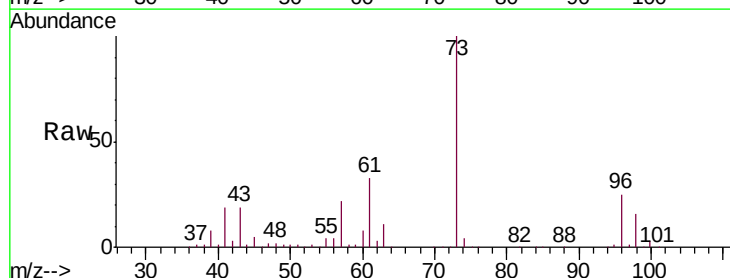
Tgt Ion: 73 Resp: 1718089

Ion Ratio Lower Upper

73 100

43 18.8 14.9 22.3

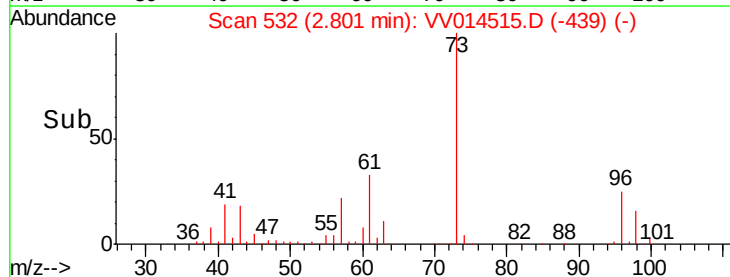
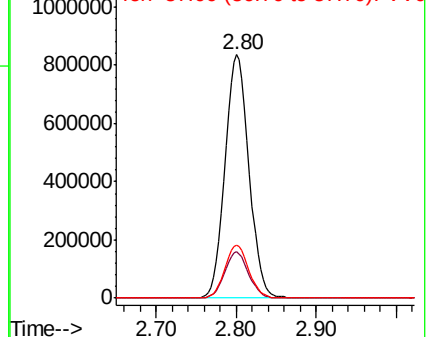
57 21.9 17.5 26.3

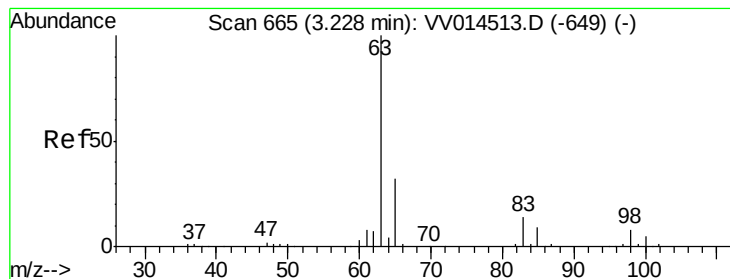


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 234.471 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

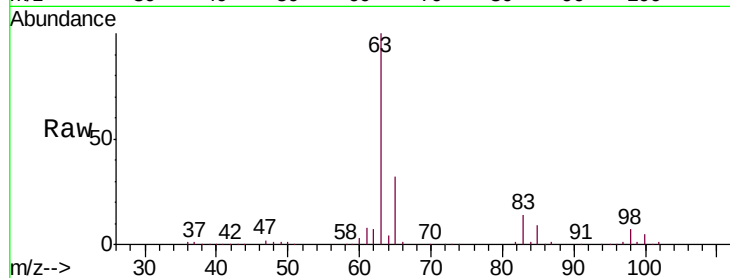
Tgt Ion: 63 Resp: 969830

Ion Ratio Lower Upper

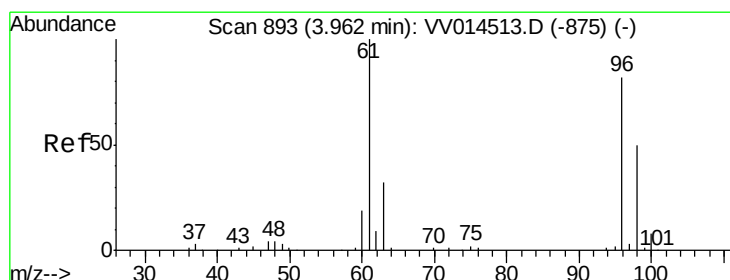
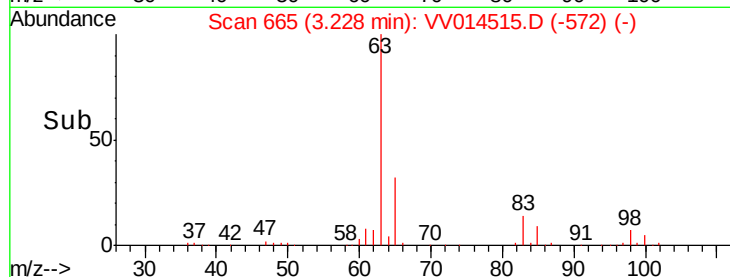
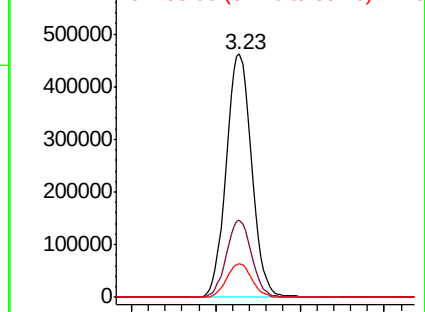
63 100

65 31.6 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: 230.666 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

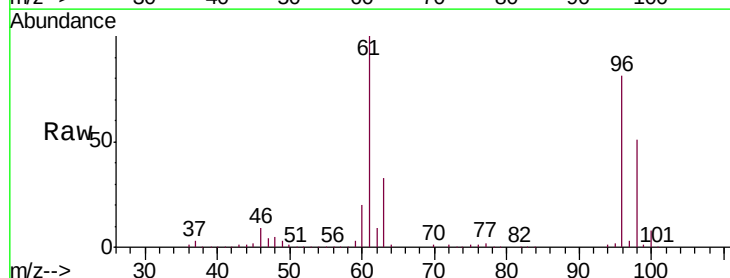
Tgt Ion: 96 Resp: 608799

Ion Ratio Lower Upper

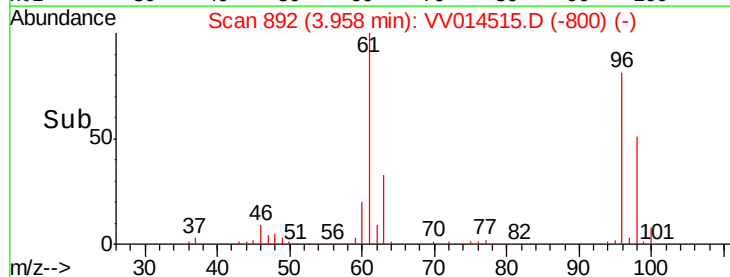
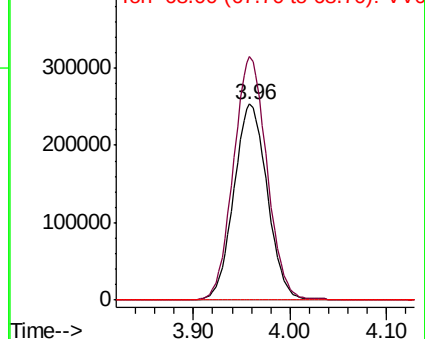
96 100

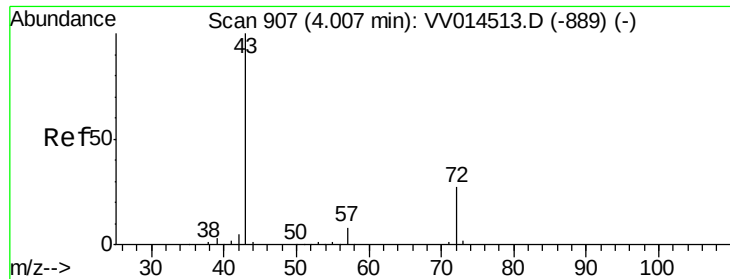
61 124.1 85.2 158.2

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: 533.373 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

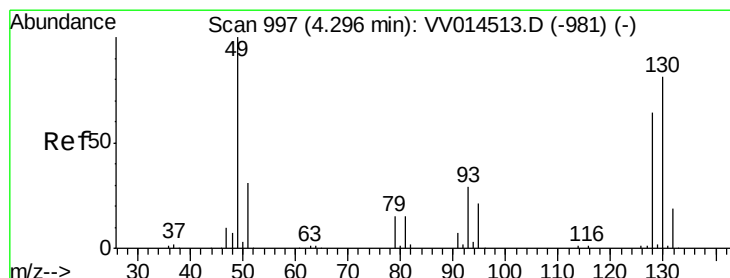
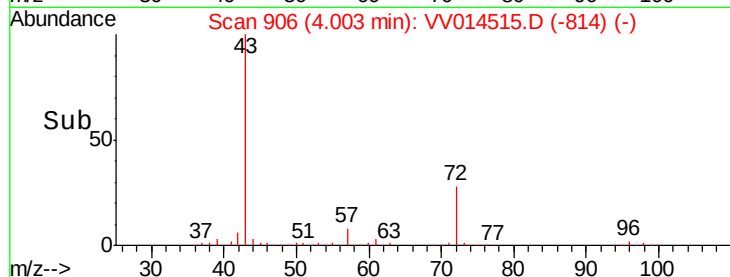
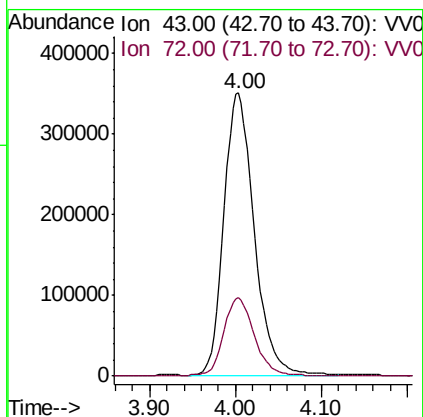
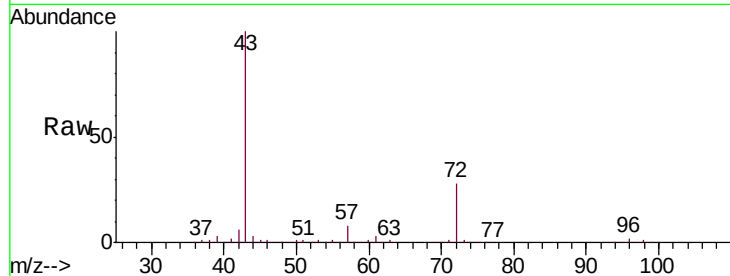
VSTD200205

Tgt Ion: 43 Resp: 859046

Ion Ratio Lower Upper

43 100

72 28.4 12.7 38.1



#23

Bromochloromethane

Concen: 211.539 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Tgt Ion: 128 Resp: 298651

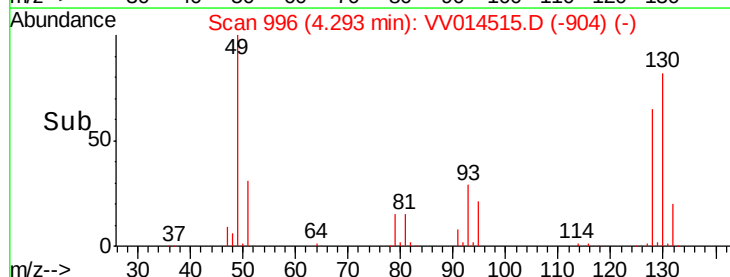
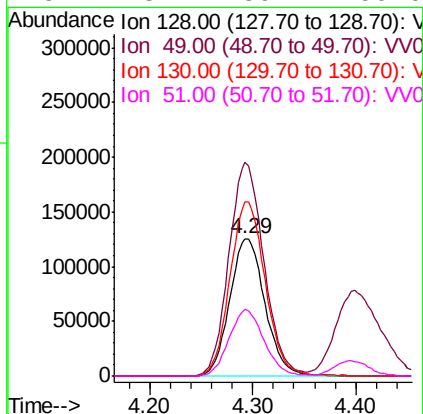
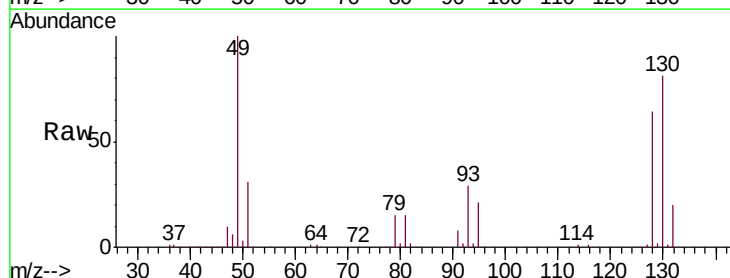
Ion Ratio Lower Upper

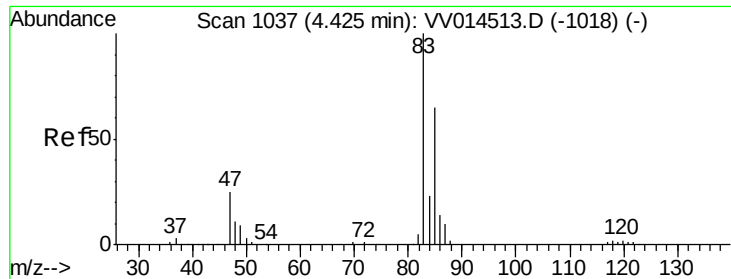
128 100

49 155.4 110.1 204.5

130 126.5 88.5 164.4

51 48.4 39.4 59.0

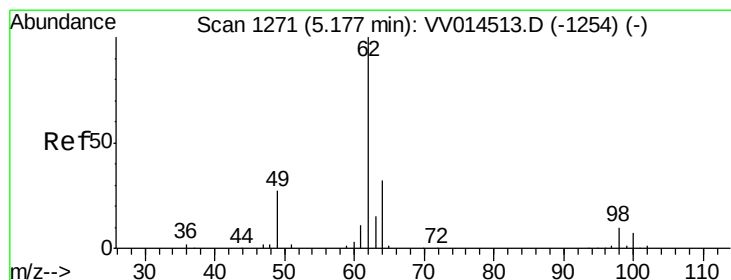
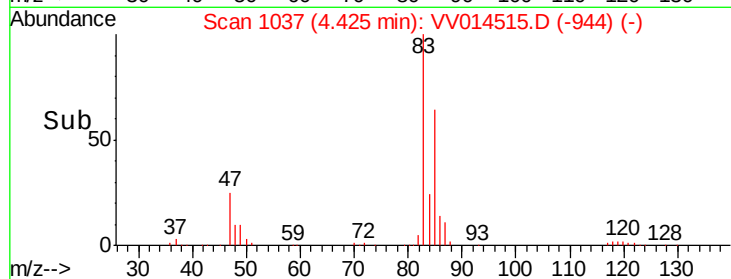
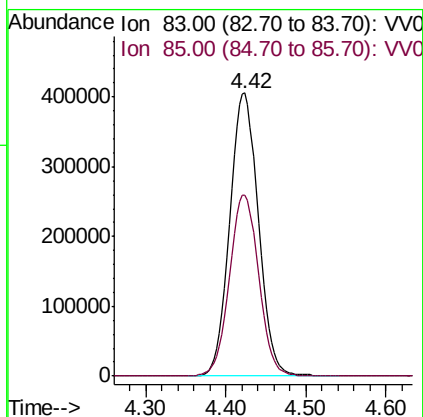
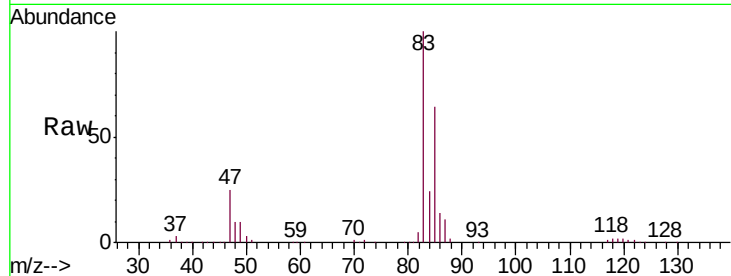




#25
Chloroform
Concen: 215.242 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

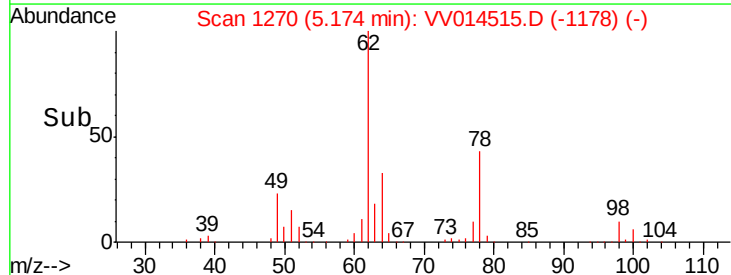
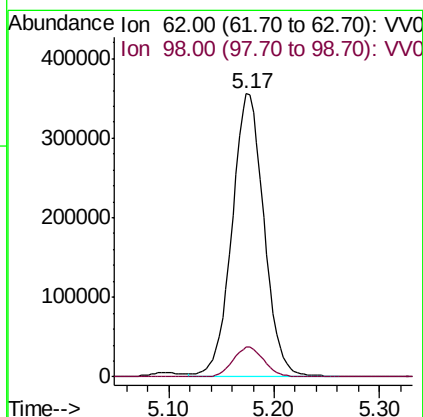
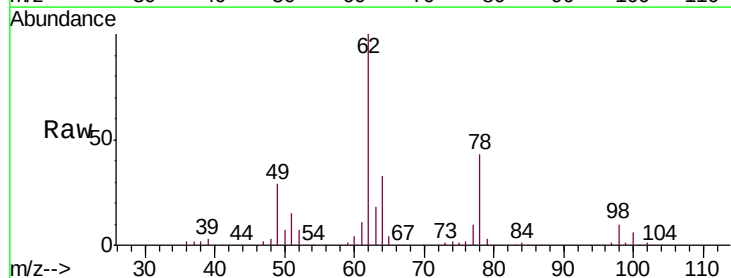
Instrument :
MSVOA_V
ClientSampleId :
VSTD200205

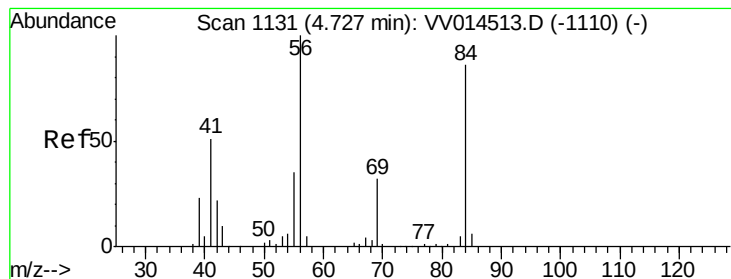
Tgt Ion: 83 Resp: 983837
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 211.777 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Tgt Ion: 62 Resp: 744925
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4





#29

Cyclohexane

Concen: 257.849 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

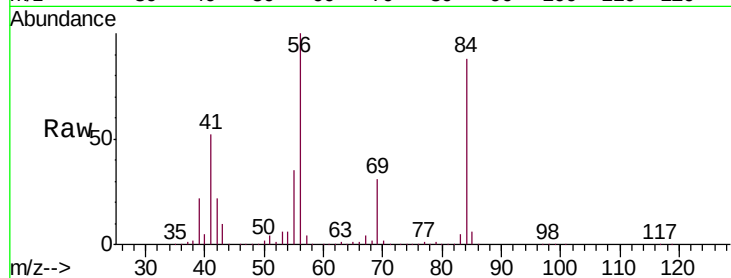
Tgt Ion: 56 Resp: 909144

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

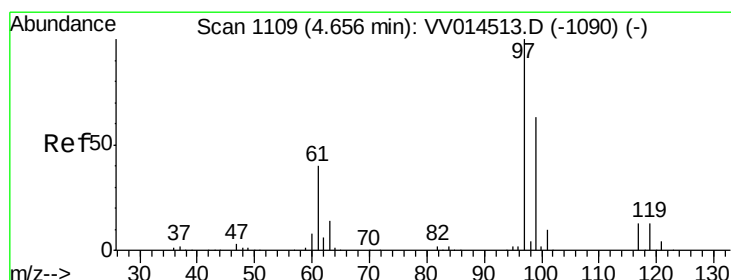
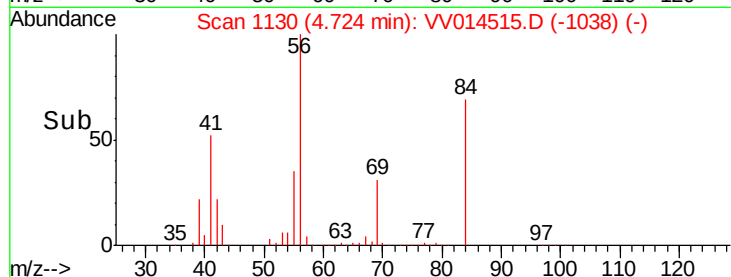
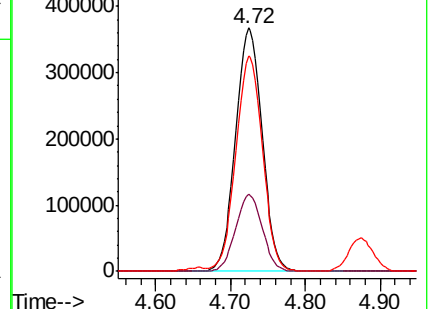
84 88.5 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 208.086 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

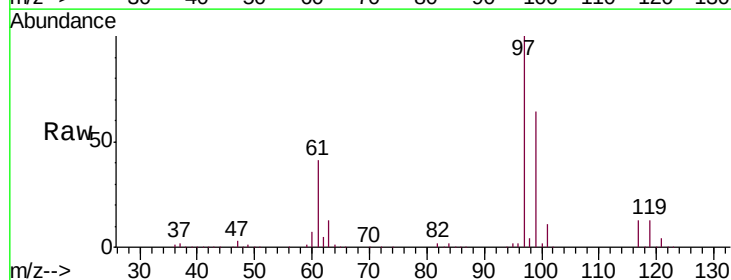
Tgt Ion: 97 Resp: 867032

Ion Ratio Lower Upper

97 100

99 64.4 50.6 76.0

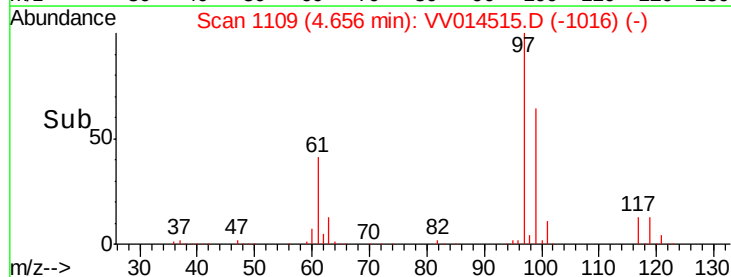
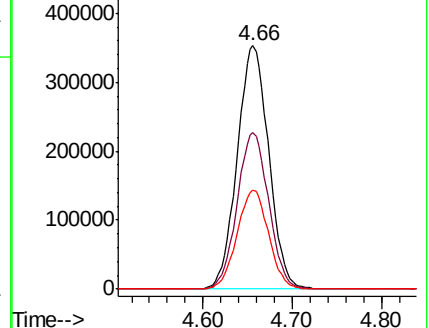
61 41.0 33.0 49.4

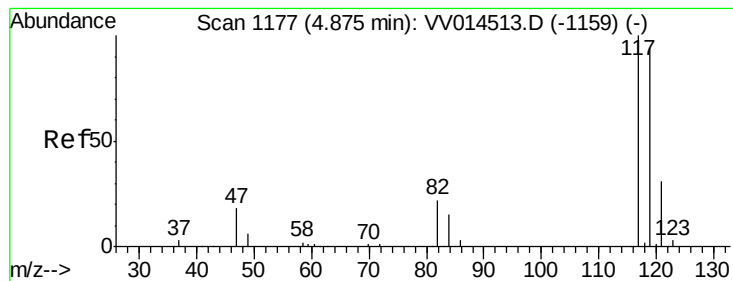


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 203.207 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

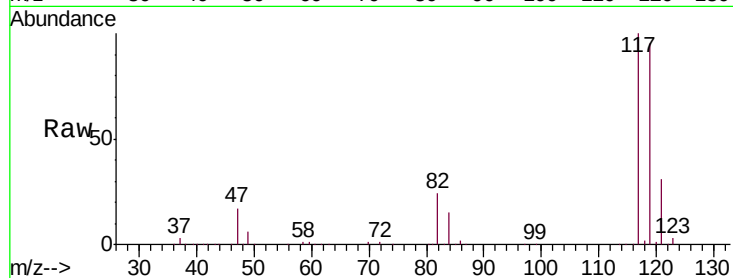
VSTD200205

Tgt Ion:117 Resp: 776998

Ion Ratio Lower Upper

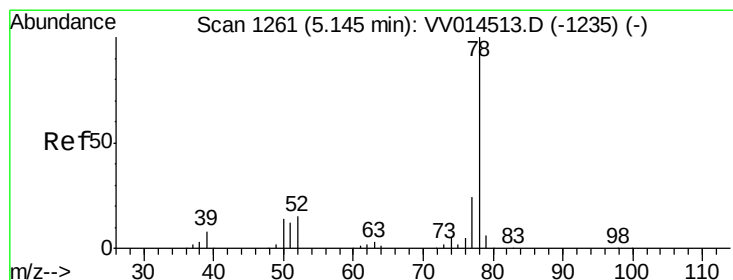
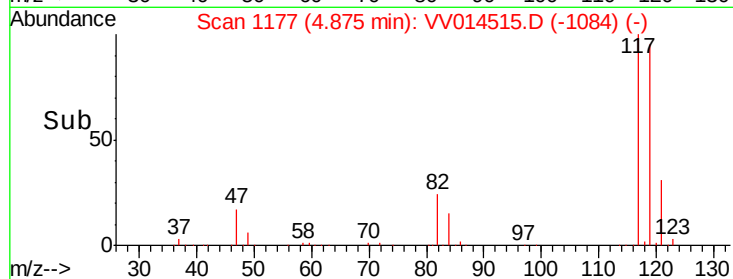
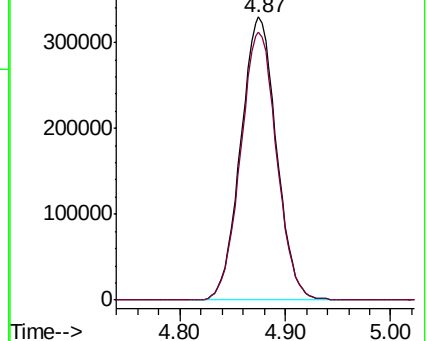
117 100

119 95.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 233.409 ug/L

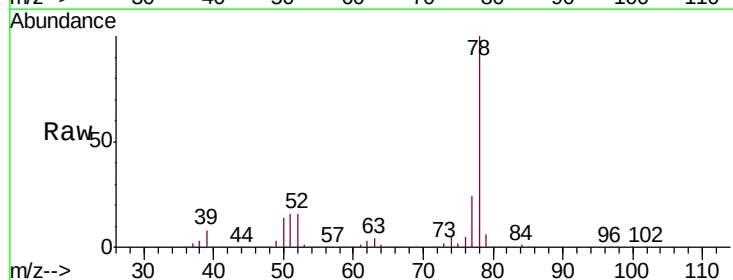
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

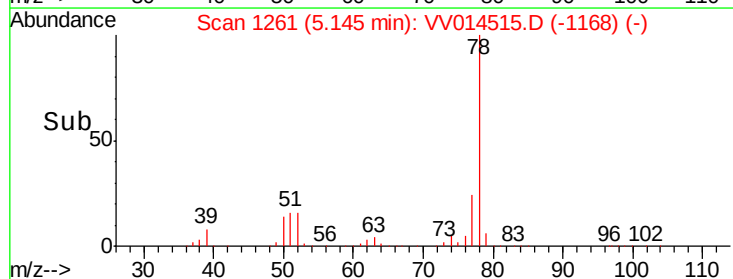
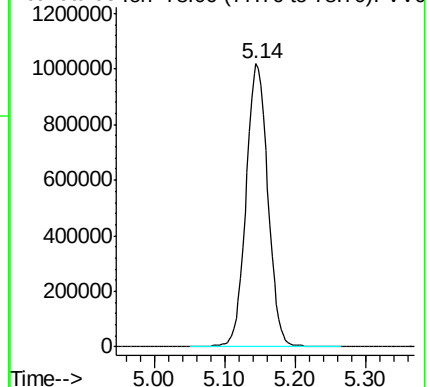
Lab File: VV014515.D

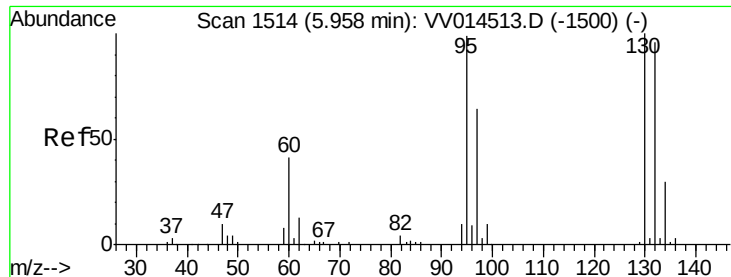
Acq: 06 Feb 2020 11:56

Tgt Ion: 78 Resp: 2194381



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 225.138 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

Tgt Ion: 95 Resp: 578322

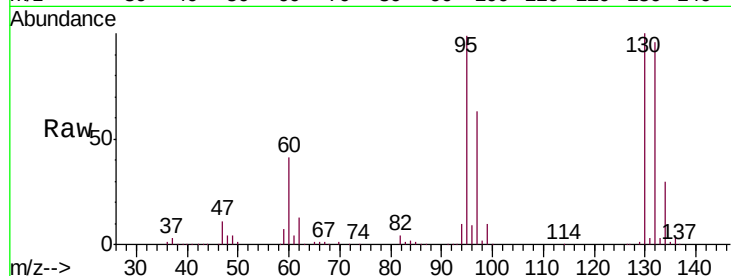
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.7

132 96.6 67.7 125.7

130 100.7 70.5 130.9

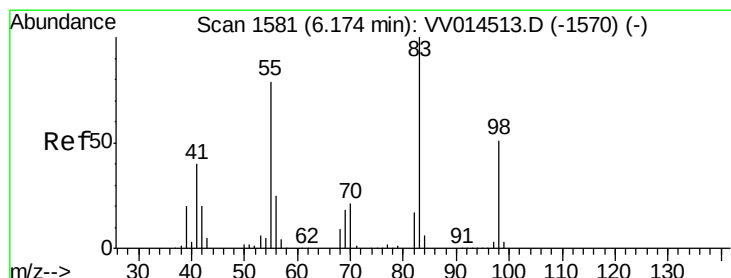
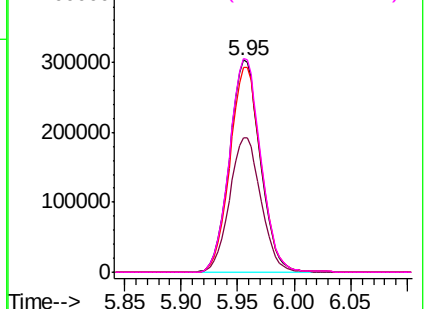
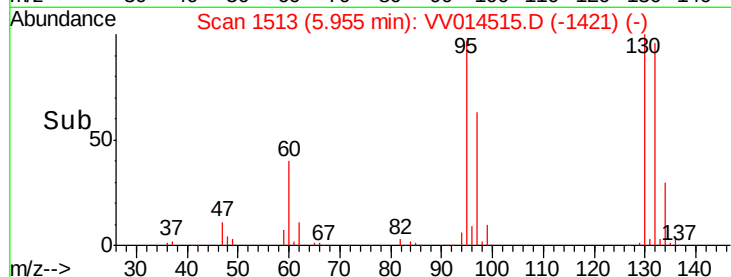


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 239.244 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

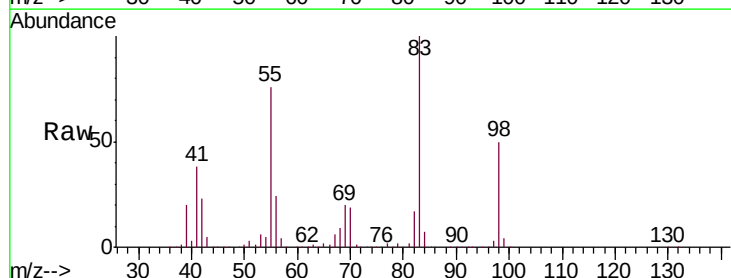
Tgt Ion: 83 Resp: 934289

Ion Ratio Lower Upper

83 100

55 75.6 60.7 91.1

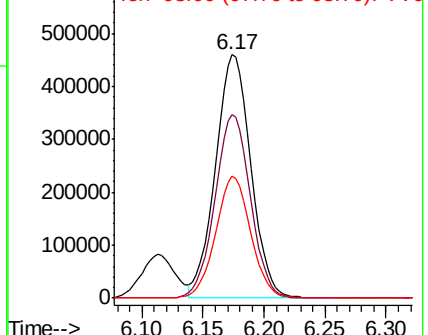
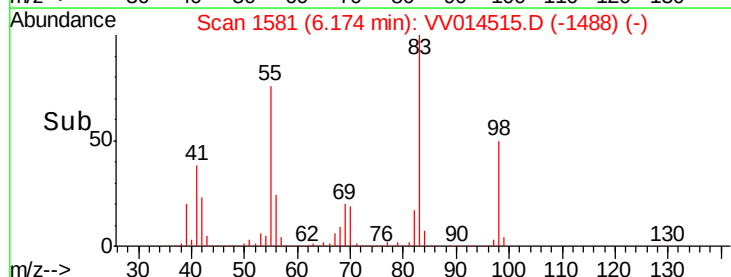
98 49.8 39.4 59.0

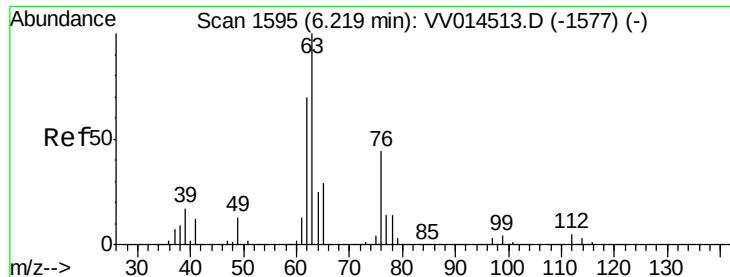


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

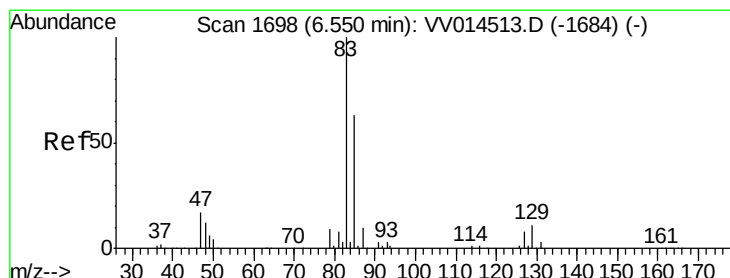
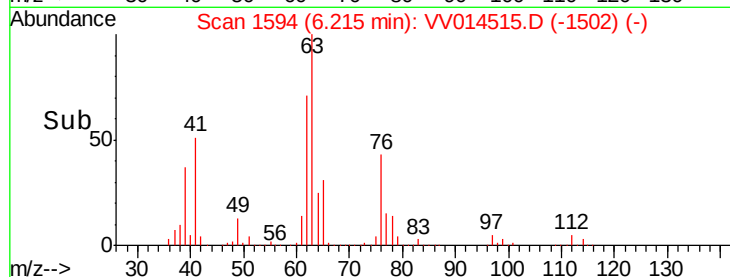
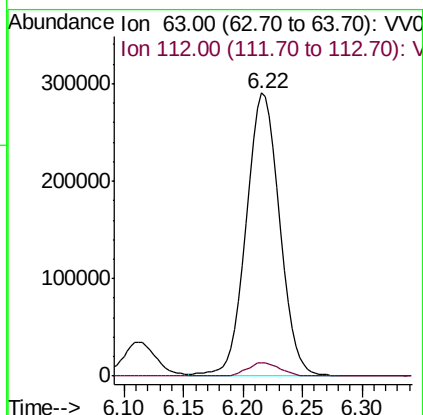
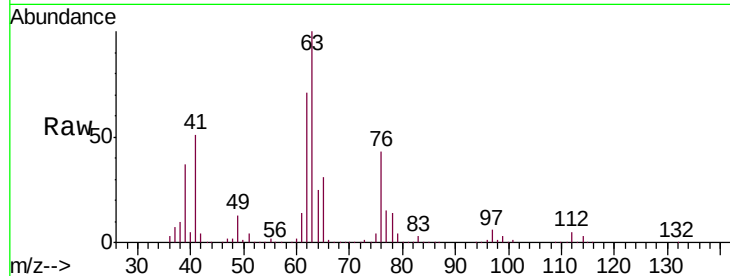




#37
 1,2-Dichloropropane
 Concen: 243.846 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

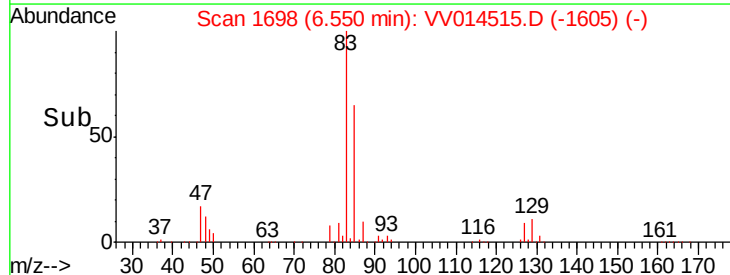
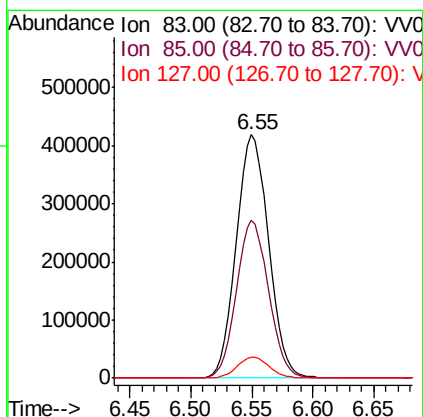
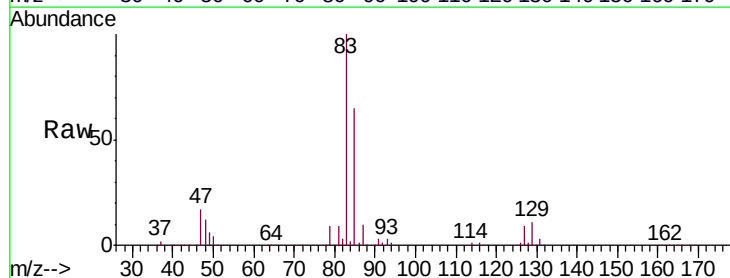
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

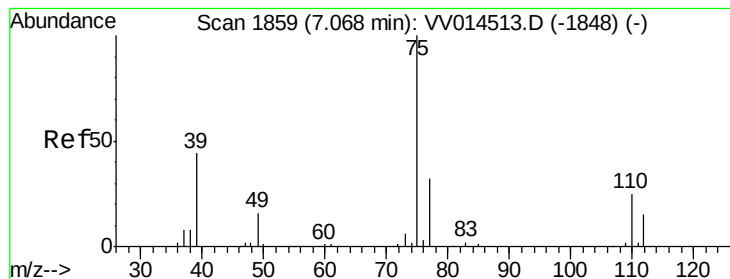
Tgt Ion: 63 Resp: 563546
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 219.407 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion: 83 Resp: 769108
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.4 82.4
 127 8.6 6.7 10.1



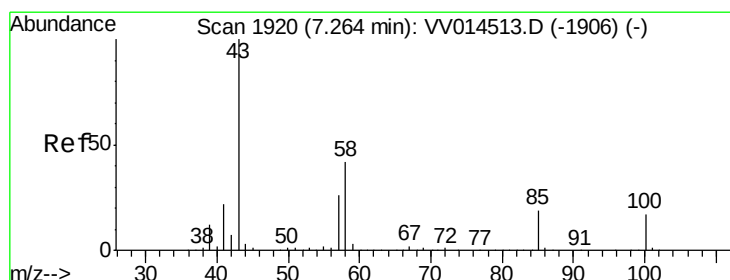
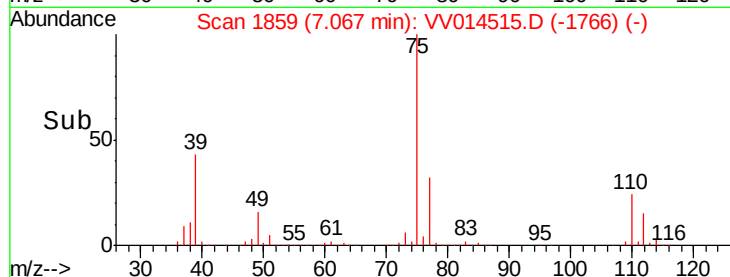
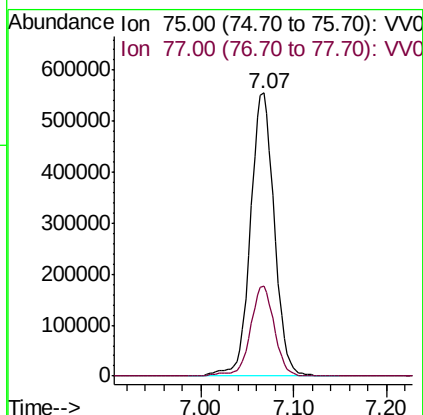
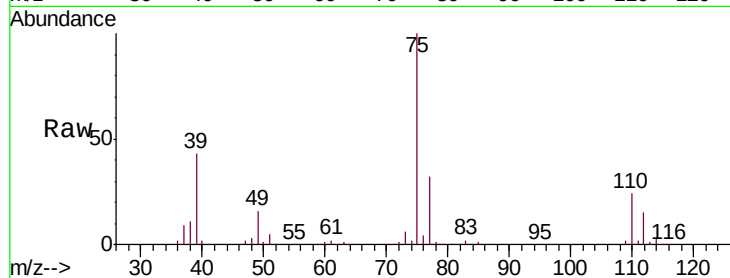


#39

cis-1,3-Dichloropropene
Concen: 245.092 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD200205

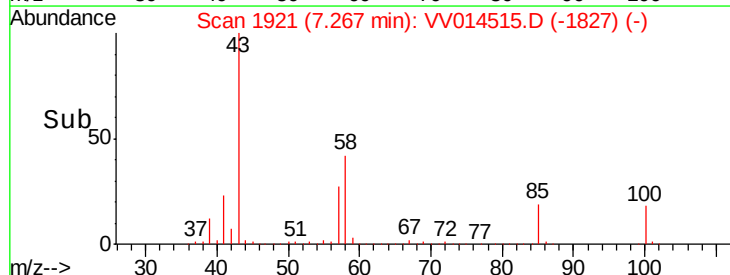
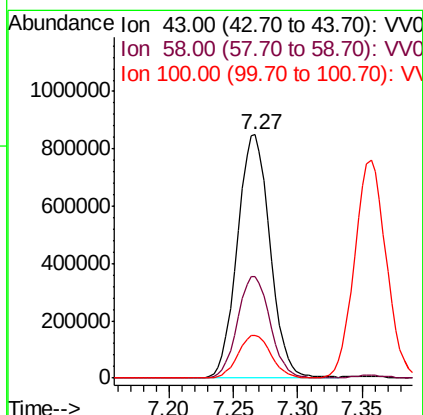
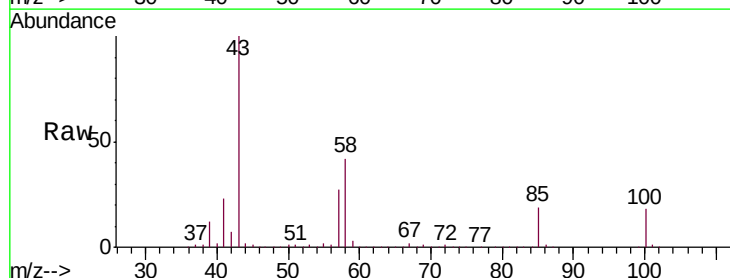
Tgt Ion: 75 Resp: 989322
Ion Ratio Lower Upper
75 100
77 31.8 22.7 42.1

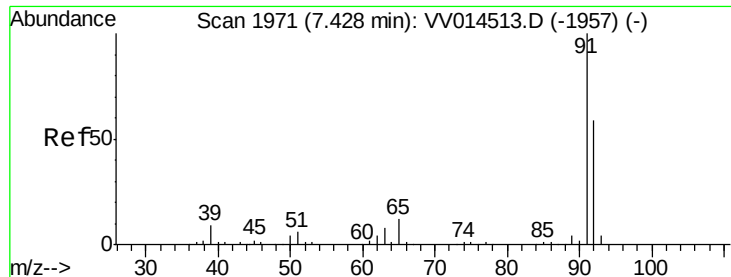


#40

4-Methyl-2-pentanone
Concen: 498.702 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Tgt Ion: 43 Resp: 1496744
Ion Ratio Lower Upper
43 100
58 41.8 33.2 49.8
100 17.7 13.9 20.9





#42

Toluene

Concen: 226.084 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

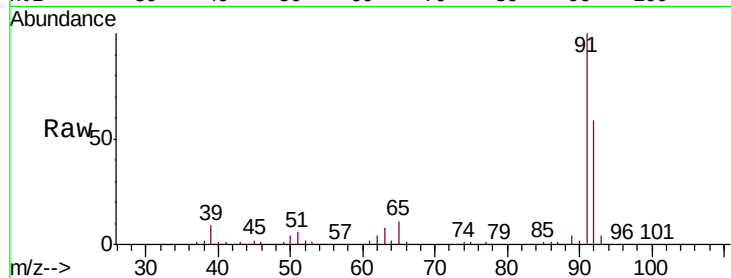
VSTD200205

Tgt Ion: 91 Resp: 2329656

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014515.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014515.D (-1957) (-)

7.43

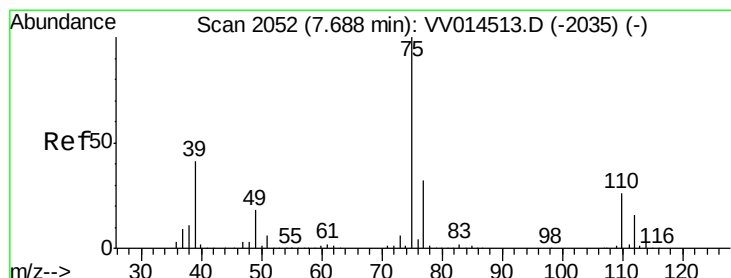
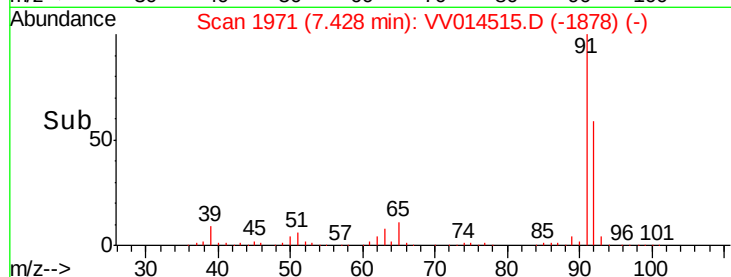
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 229.012 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014515.D

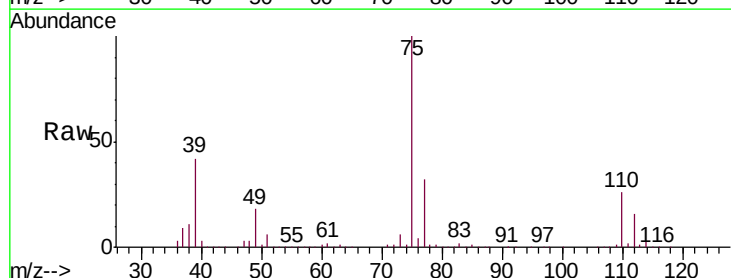
Acq: 06 Feb 2020 11:56

Tgt Ion: 75 Resp: 860897

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014515.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014515.D (-2035) (-)

7.69

600000

500000

400000

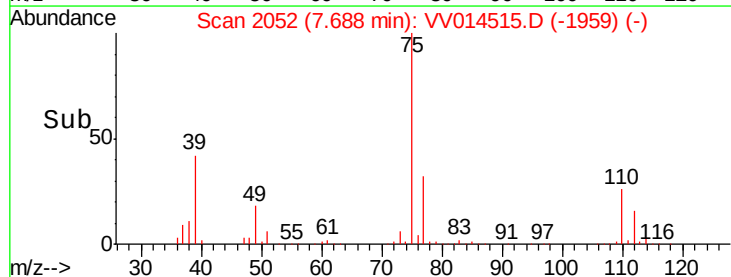
300000

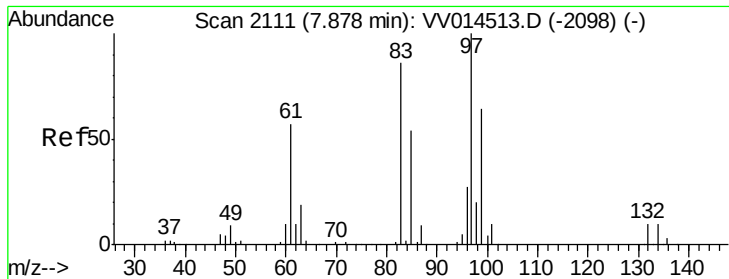
200000

100000

0

Time-->

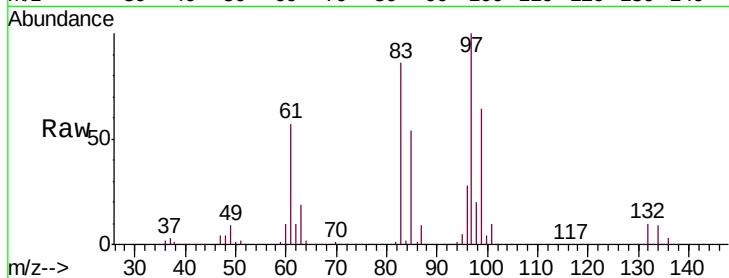




#45
 1,1,2-Trichloroethane
 Concen: 220.893 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

Tgt Ion:	97	Resp:	536535
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.5	82.7
83	85.7	60.1	111.5
85	54.2	38.1	70.9



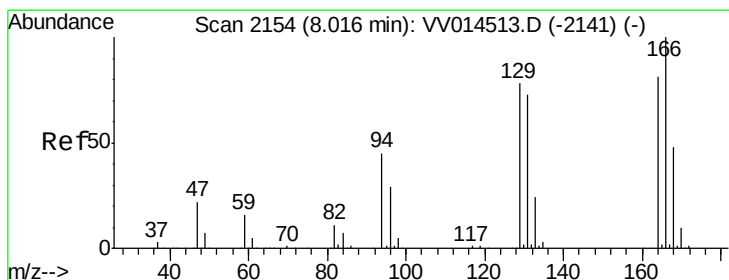
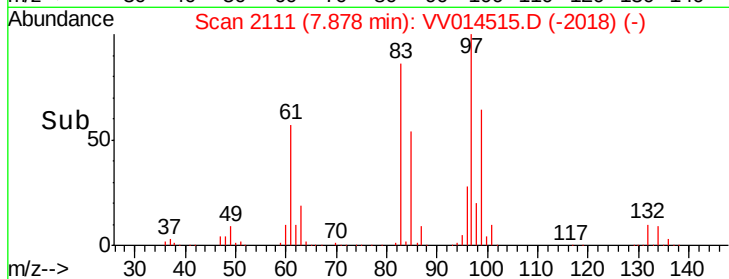
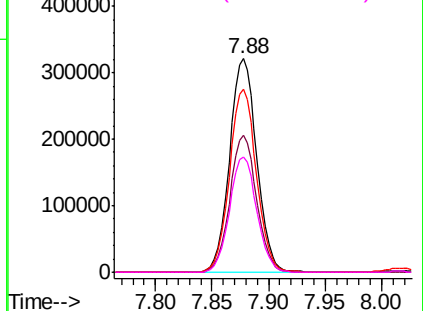
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

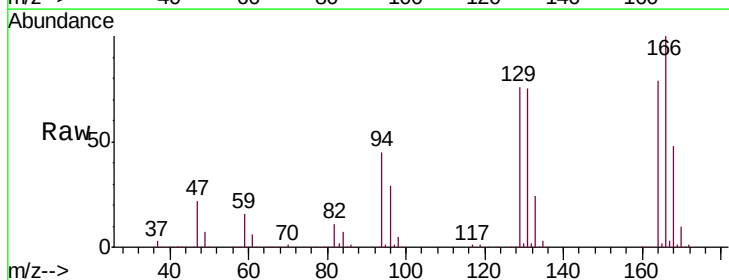
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 191.176 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion:	164	Resp:	441466
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.0	126.4
131	94.4	63.4	117.8
166	126.3	86.9	161.3



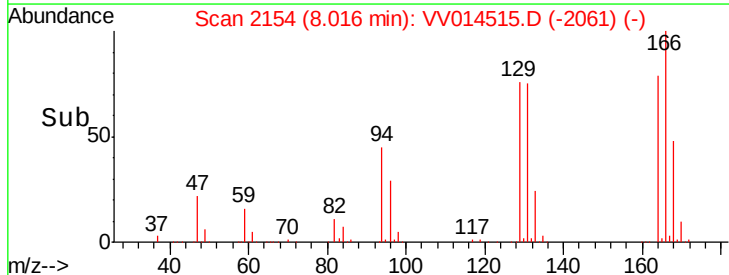
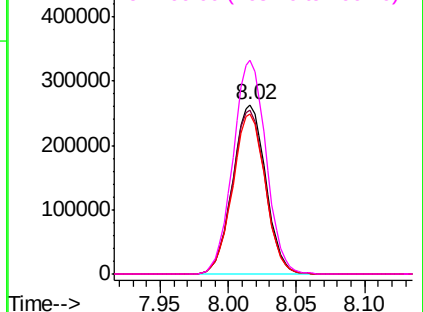
Abundance

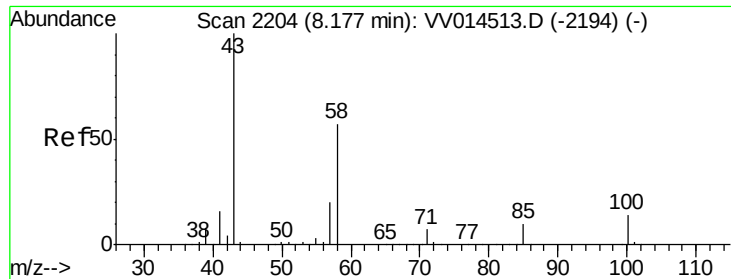
Ion 164.00 (163.70 to 164.70): V

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

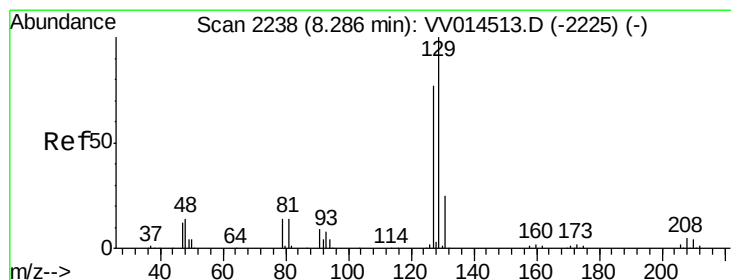
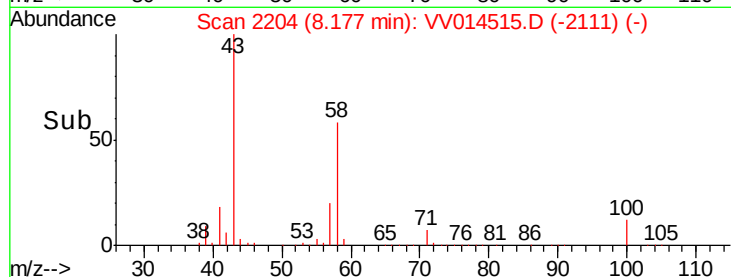
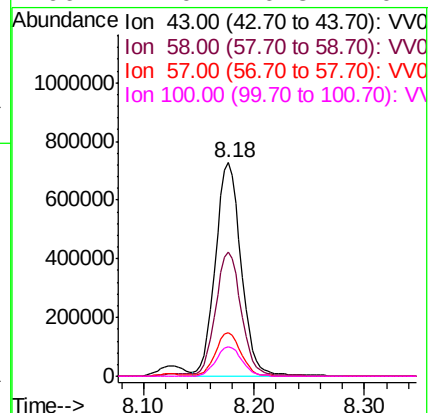
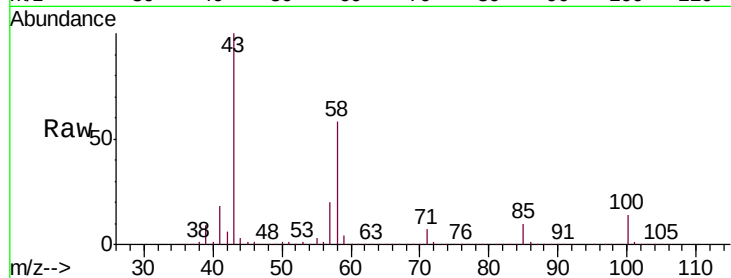




#48
2-Hexanone
Concen: 510.914 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

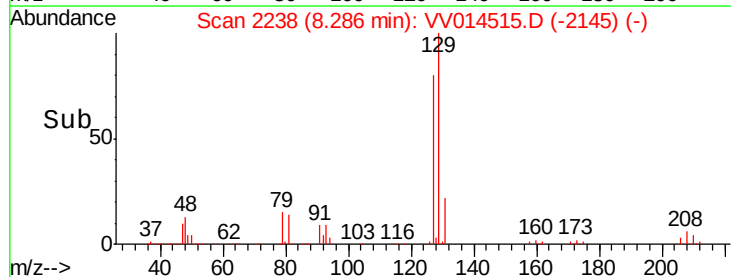
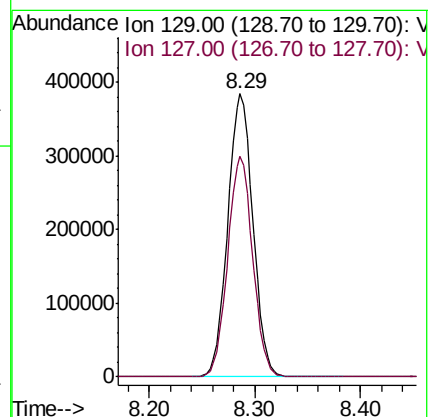
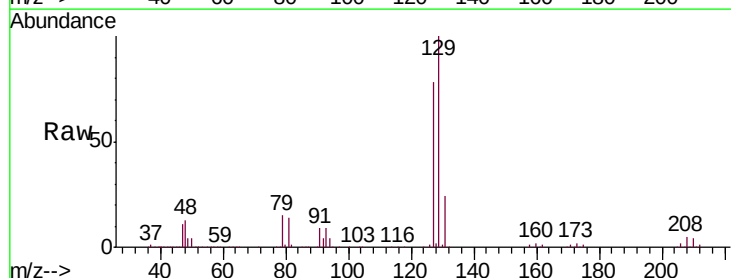
Instrument :
MSVOA_V
ClientSampled :
VSTD200205

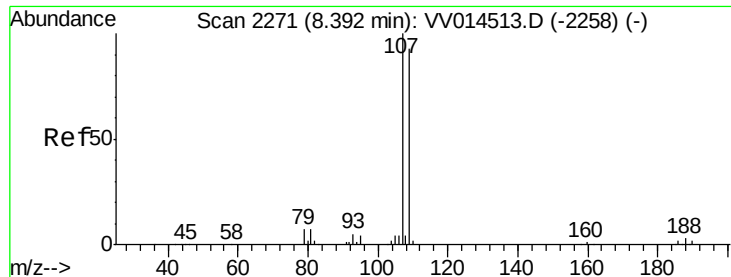
Tgt Ion: 43 Resp: 1170399
Ion Ratio Lower Upper
43 100
58 58.4 45.5 68.3
57 20.1 15.8 23.6
100 14.0 10.8 16.2



#49
Dibromochloromethane
Concen: 207.309 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Tgt Ion: 129 Resp: 633805
Ion Ratio Lower Upper
129 100
127 78.0 54.1 100.5

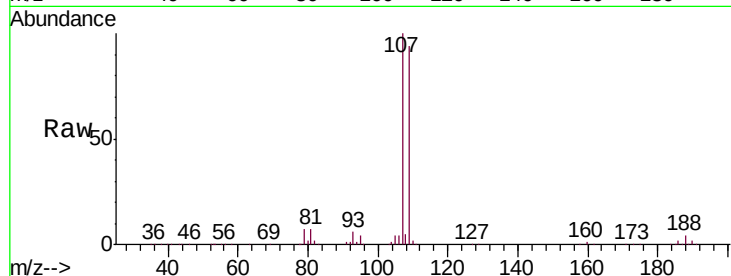




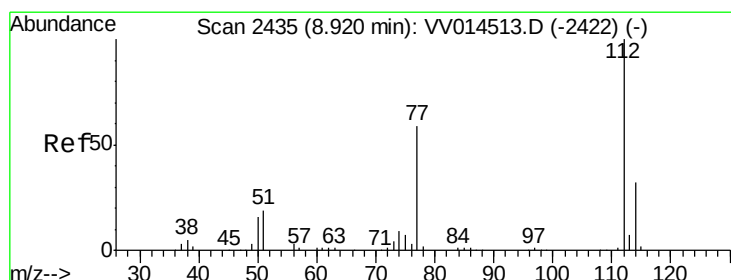
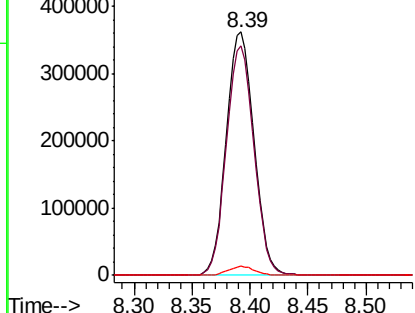
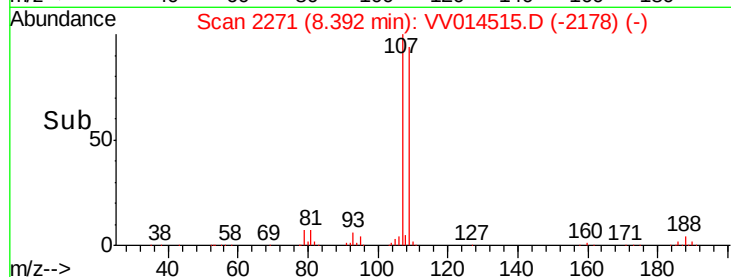
#50
1,2-Dibromoethane
Concen: 223.101 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD200205

Tgt Ion:107 Resp: 597802
Ion Ratio Lower Upper
107 100
109 94.4 65.2 121.2
188 3.7 2.6 4.0

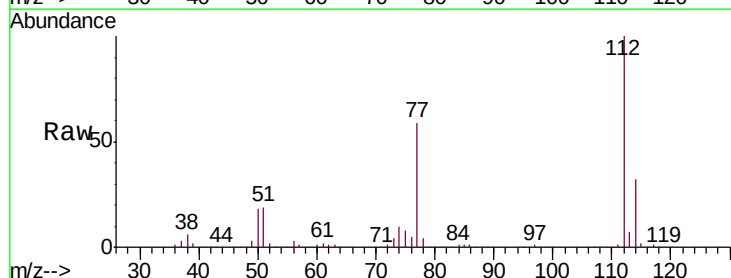


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

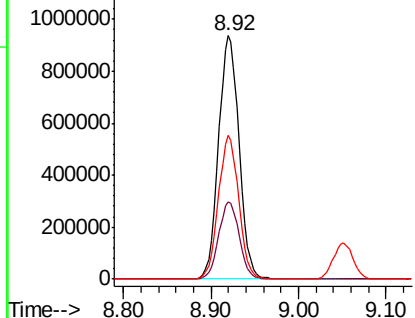
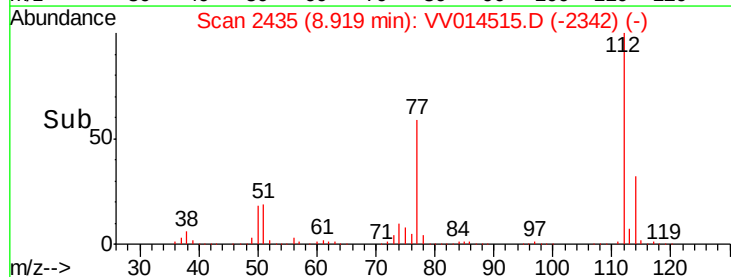


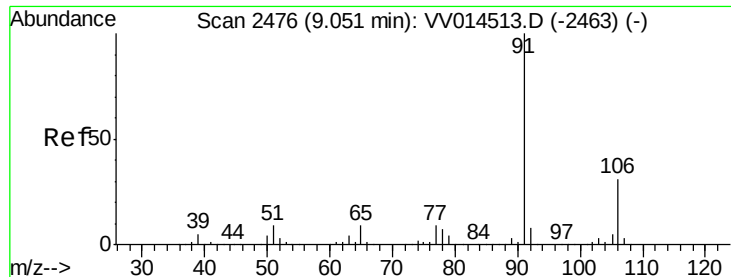
#51
Chlorobenzene
Concen: 219.979 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Tgt Ion:112 Resp: 1519574
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 58.9 47.3 70.9



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





#52

Ethylbenzene

Concen: 224.827 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

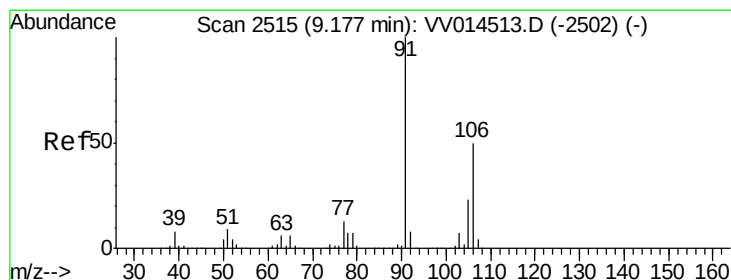
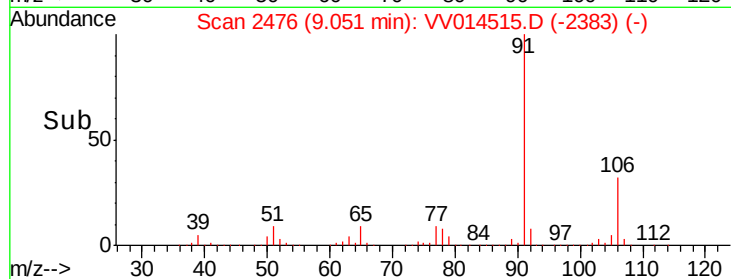
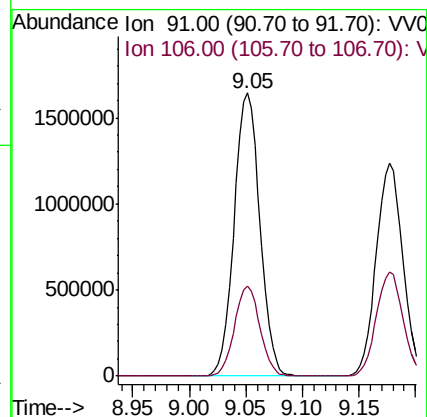
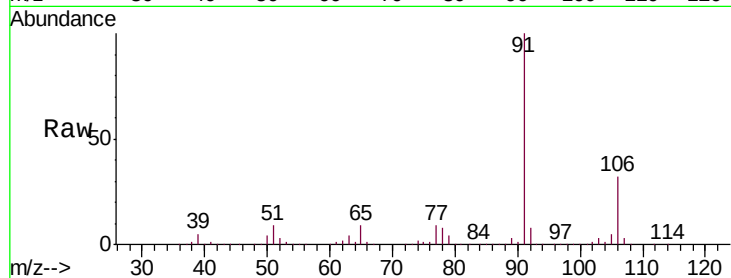
VSTD200205

Tgt Ion: 91 Resp: 2606577

Ion Ratio Lower Upper

91 100

106 31.7 21.5 39.9



#53

m,p-Xylene

Concen: 223.680 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014515.D

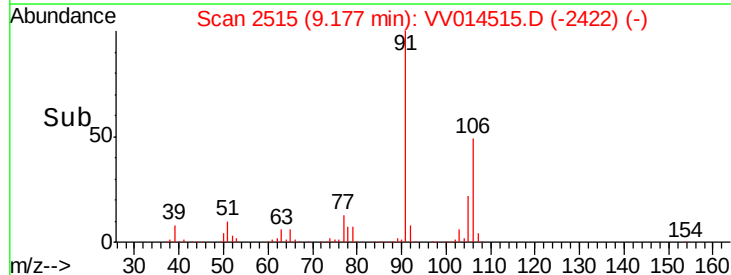
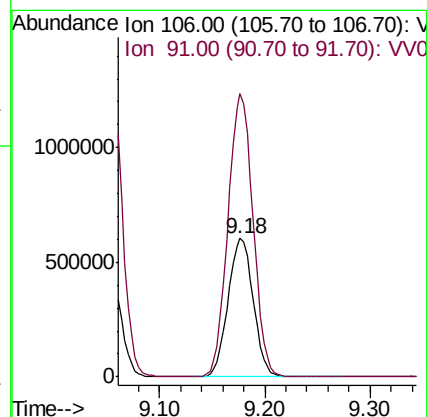
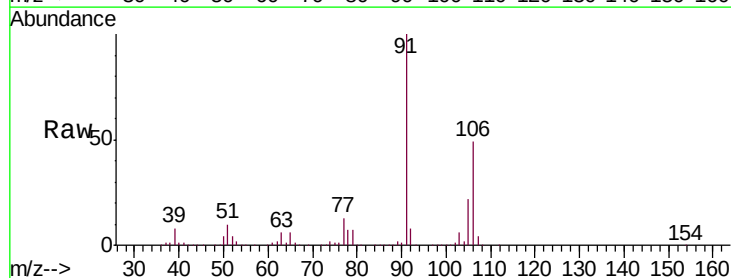
Acq: 06 Feb 2020 11:56

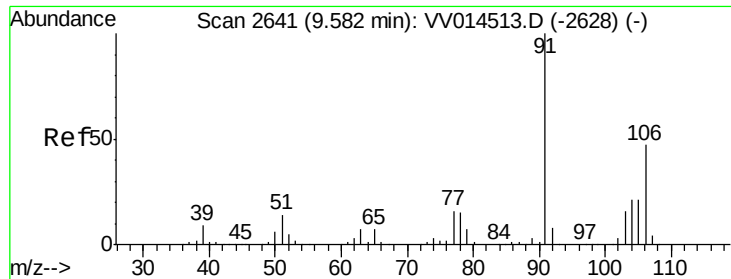
Tgt Ion: 106 Resp: 996075

Ion Ratio Lower Upper

106 100

91 204.7 141.4 262.6

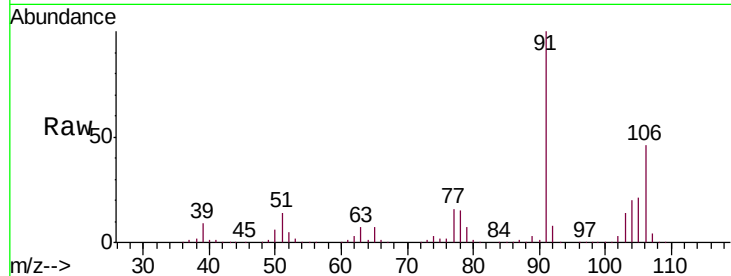




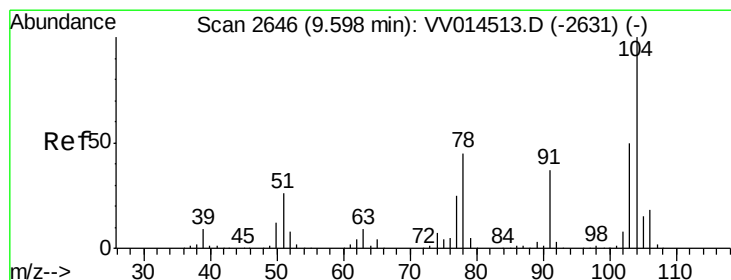
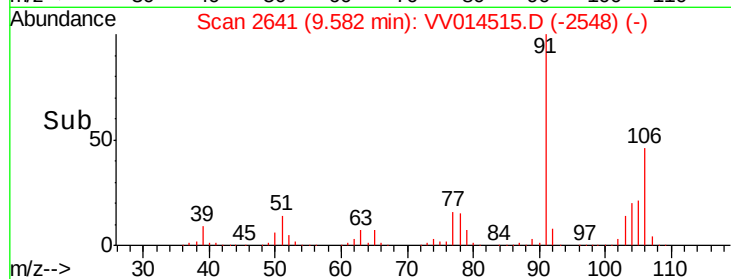
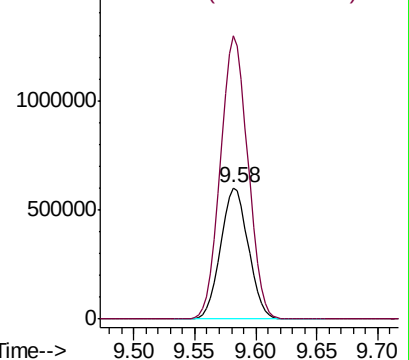
#54
o-Xylene
Concen: 215.449 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD200205

Tgt Ion:106 Resp: 946272
Ion Ratio Lower Upper
106 100
91 215.4 149.4 277.4

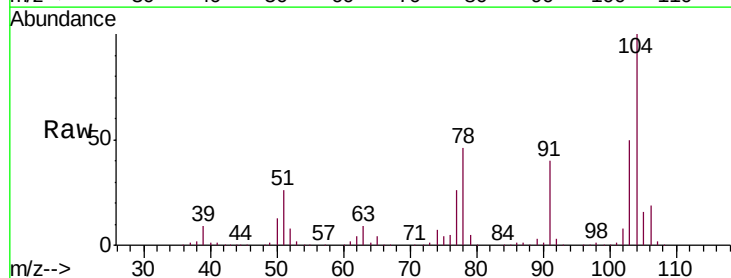


Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VV0

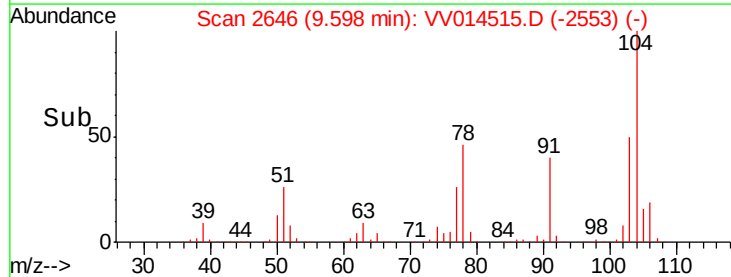
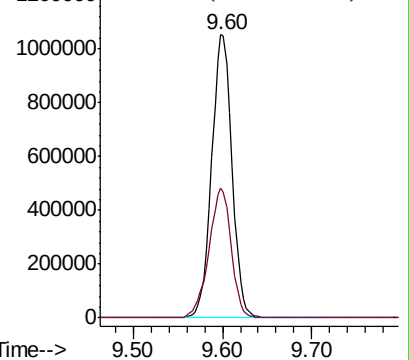


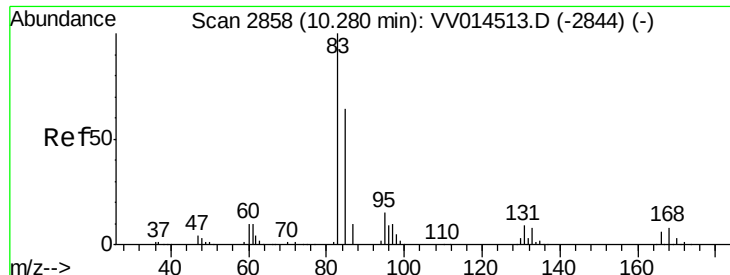
#55
Styrene
Concen: 222.890 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014515.D
Acq: 06 Feb 2020 11:56

Tgt Ion:104 Resp: 1659133
Ion Ratio Lower Upper
104 100
78 46.0 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V
1200000 Ion 78.00 (77.70 to 78.70): VV0

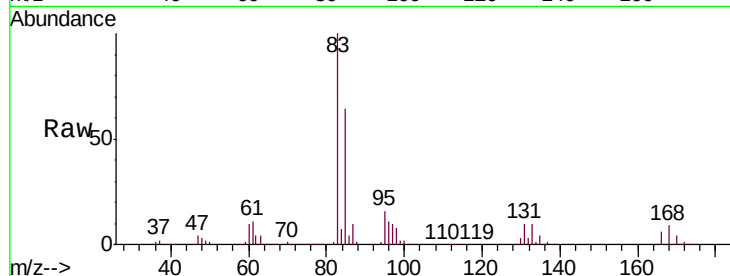




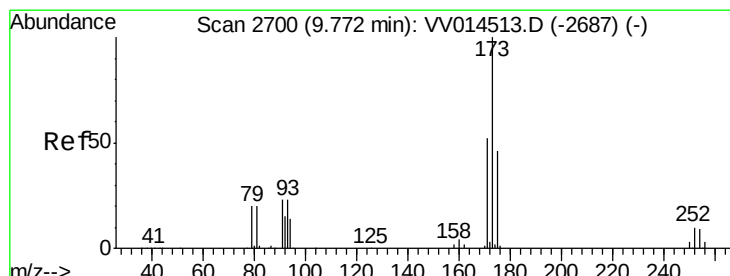
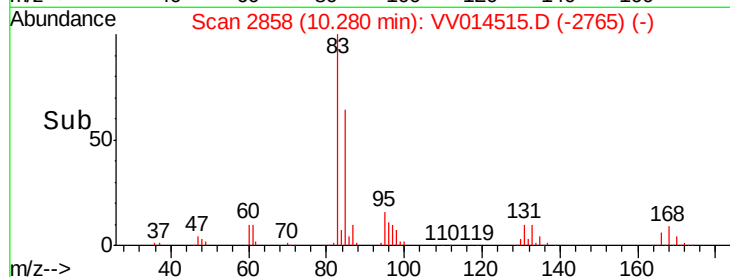
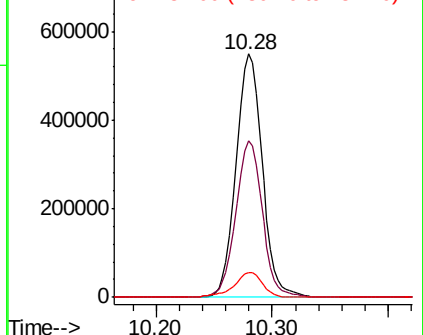
#57
 1,1,2,2-Tetrachloroethane
 Concen: 228.032 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.2	84.0
131	10.3	7.8	11.8

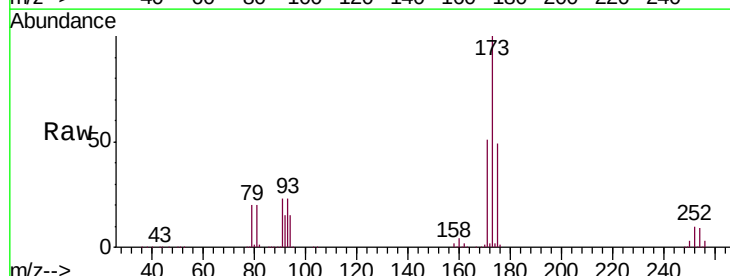


Abundance Ion 83.00 (82.70 to 83.70): VV014515.D (-2844) (-)

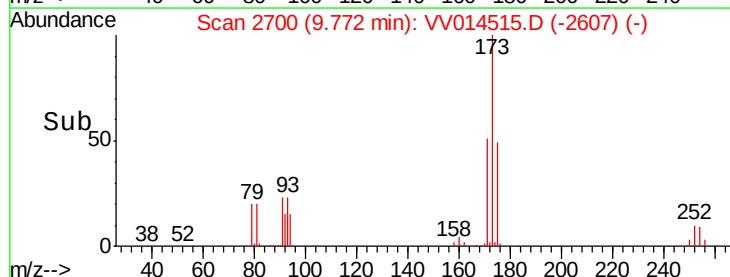
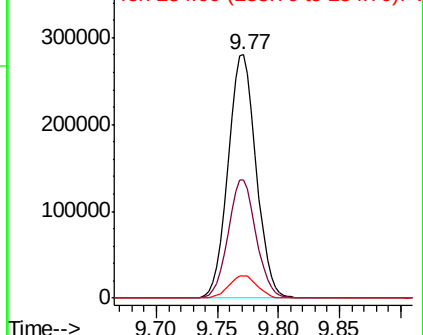


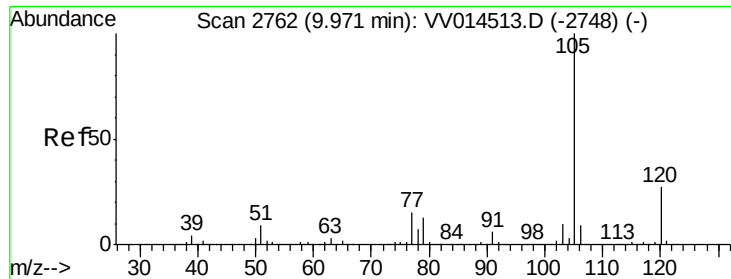
#59
 Bromoform
 Concen: 199.565 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	37.8	56.8
254	9.3	7.0	10.6



Abundance Ion 173.00 (172.70 to 173.70): VV014515.D (-2687) (-)





#60

Isopropylbenzene

Concen: 227.208 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

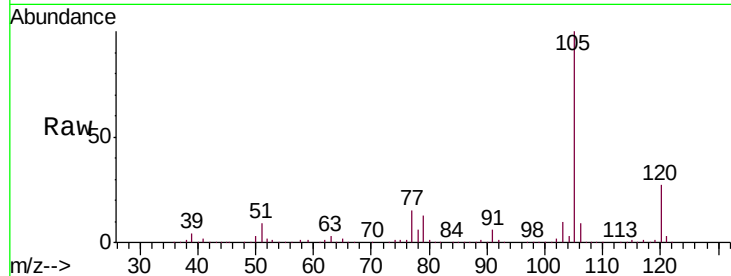
Tgt Ion:105 Resp: 2516295

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

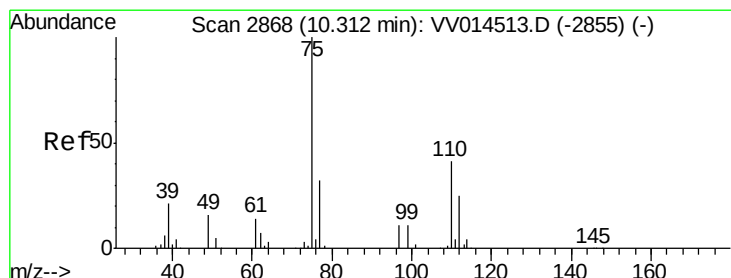
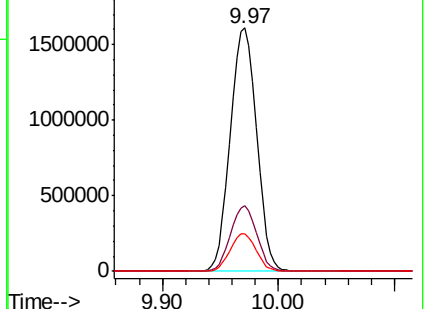
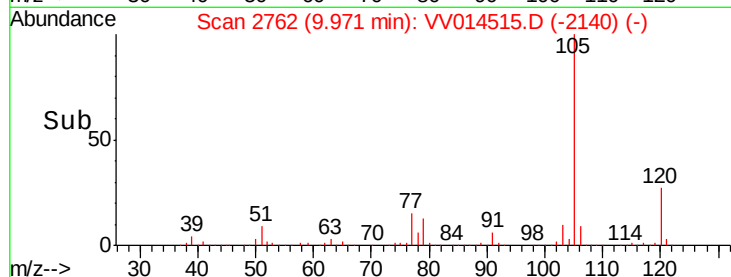
77 15.4 12.2 18.4



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: 241.000 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

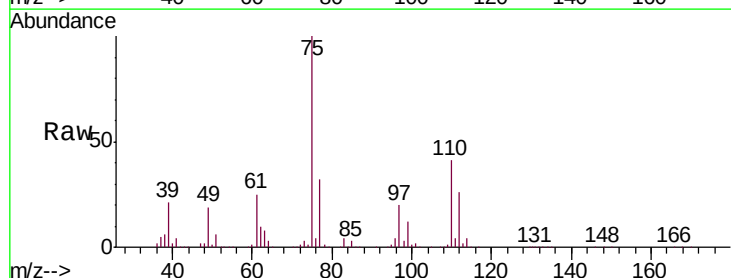
Tgt Ion: 75 Resp: 677593

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

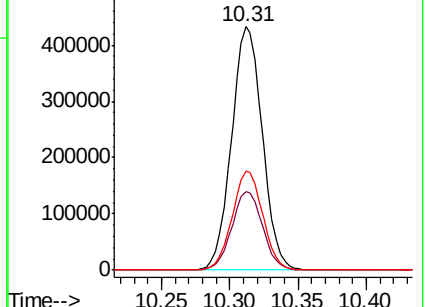
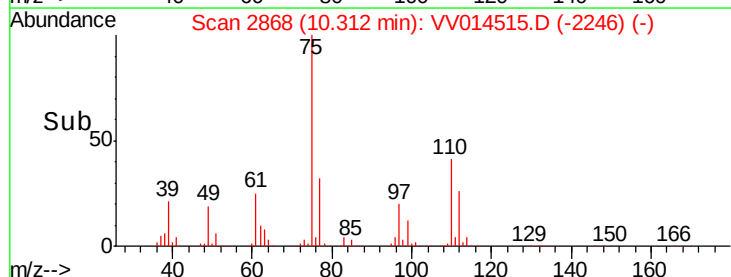
110 40.4 32.4 48.6

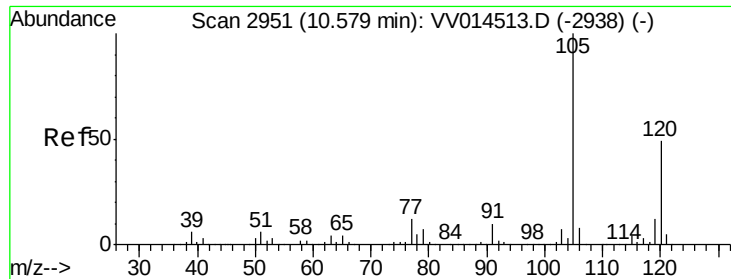


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

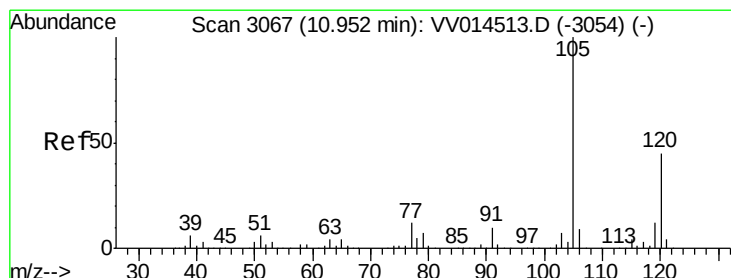
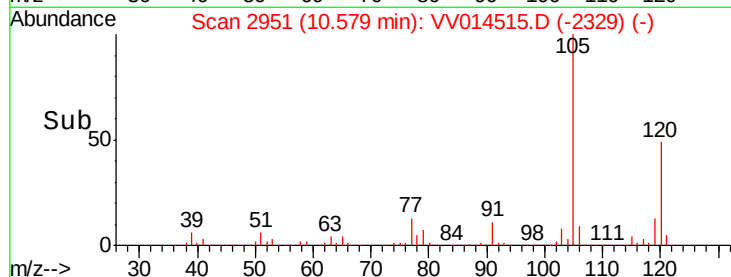
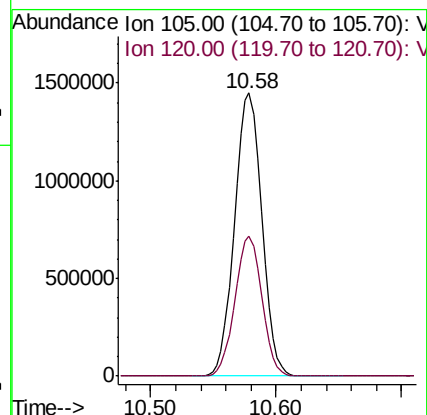
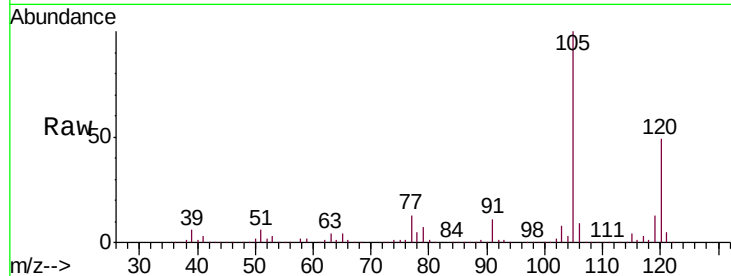




#62
 1,3,5-Trimethylbenzene
 Concen: 228.175 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

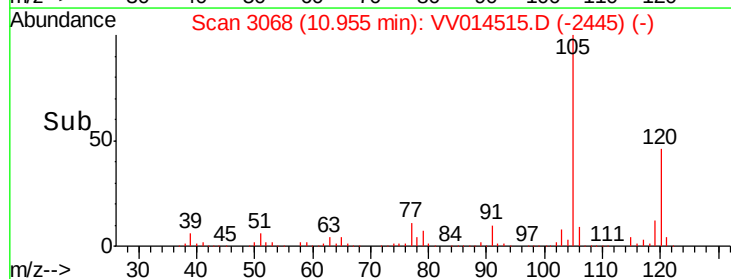
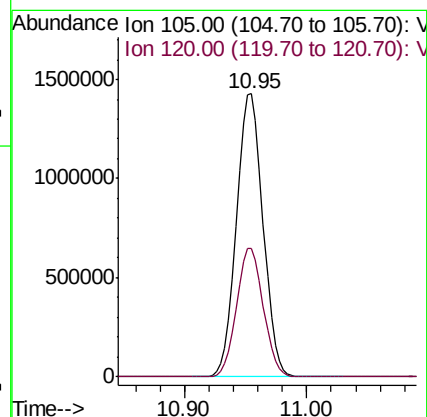
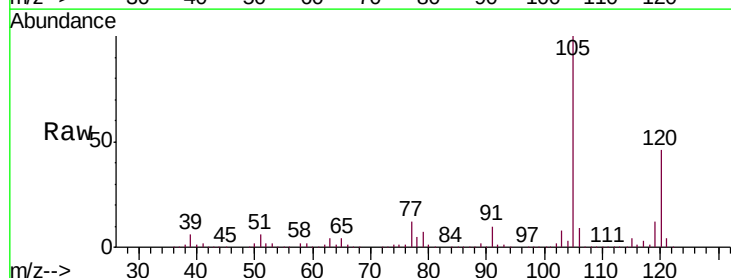
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

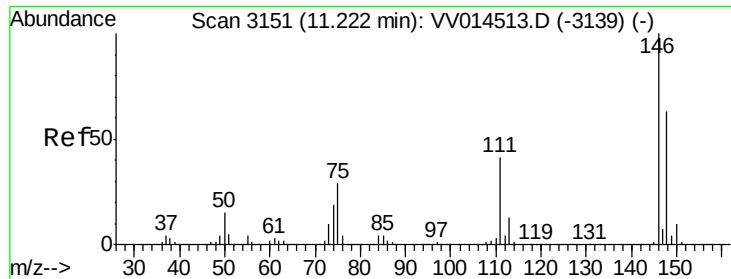
Tgt Ion:105 Resp: 2185249
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 227.933 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion:105 Resp: 2158223
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.2 54.4

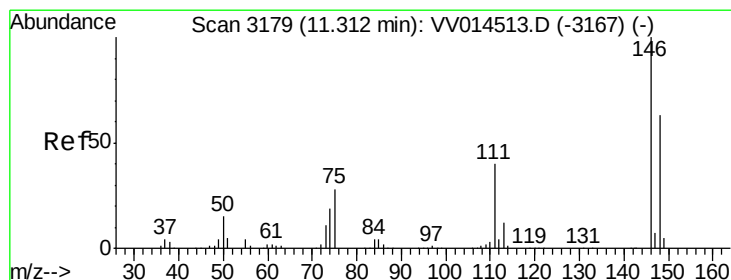
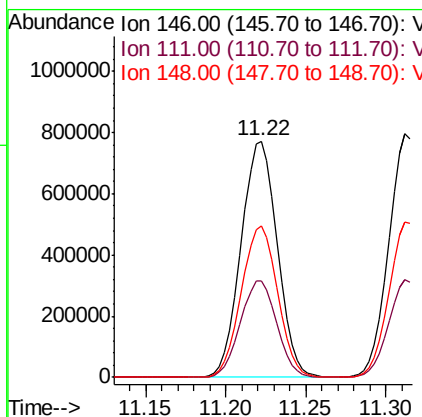
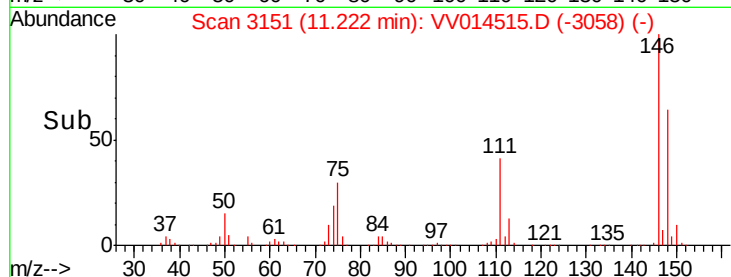
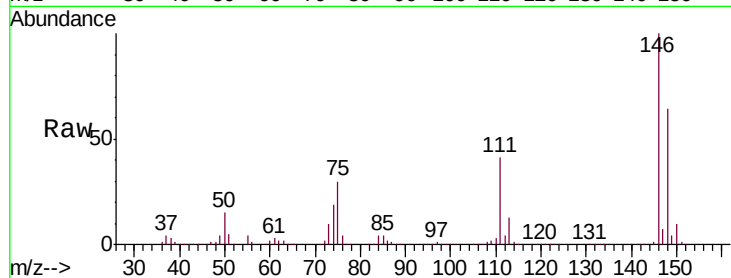




#64
 1,3-Dichlorobenzene
 Concen: 216.536 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

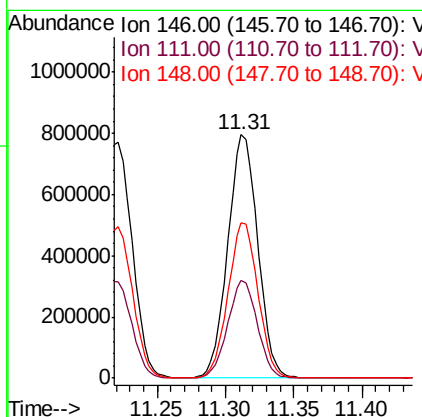
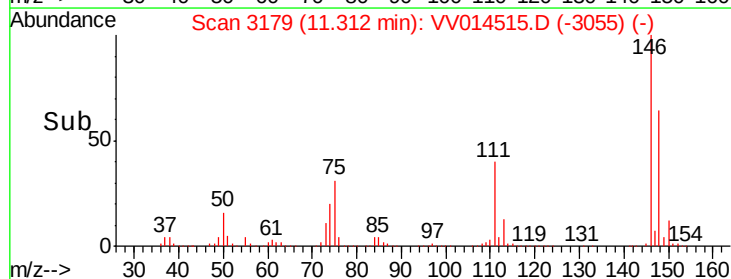
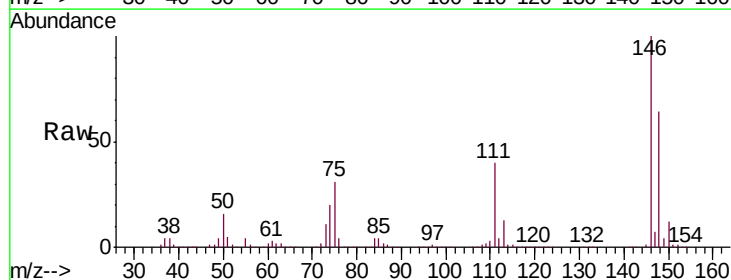
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

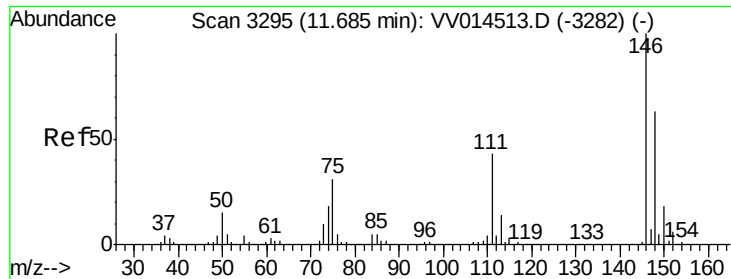
Tgt Ion:146 Resp: 1195221
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.9 53.7
 148 63.9 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 216.133 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion:146 Resp: 1211007
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.3
 148 64.0 44.4 82.4

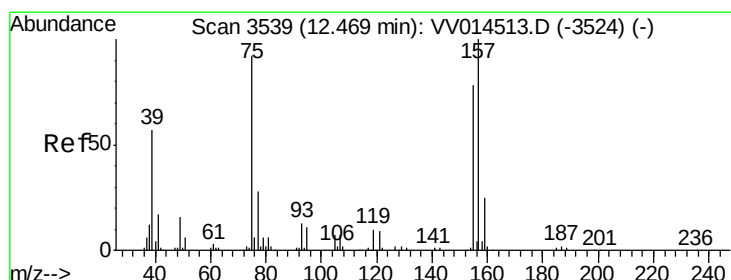
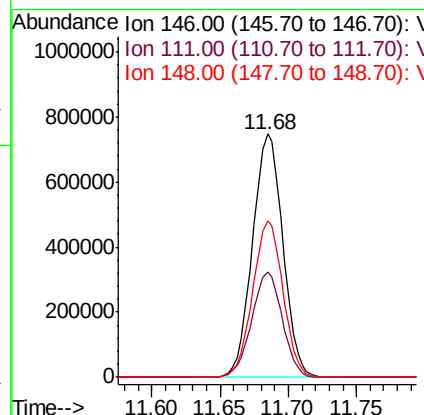
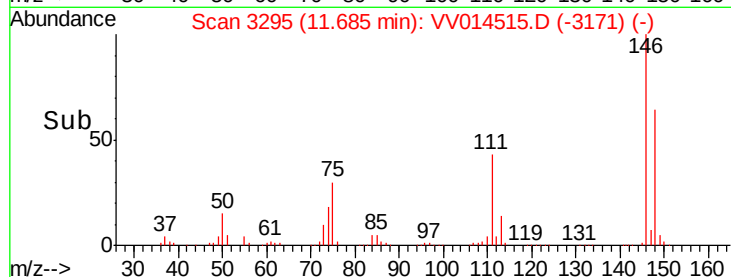
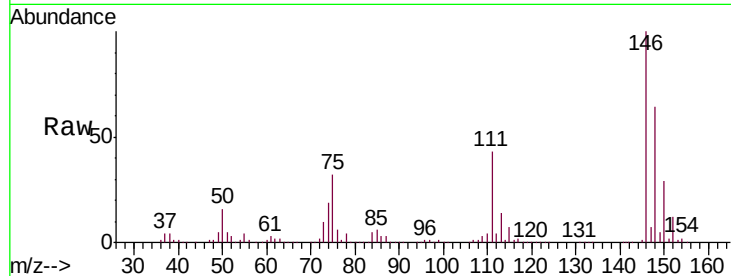




#67
 1,2-Dichlorobenzene
 Concen: 207.302 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

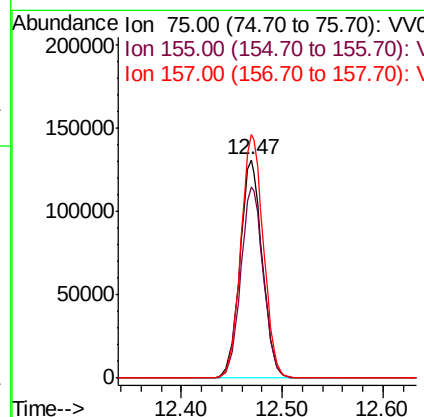
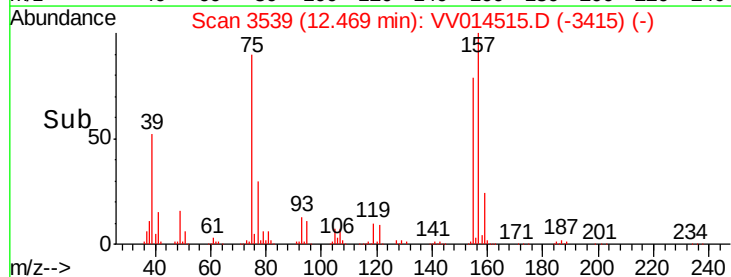
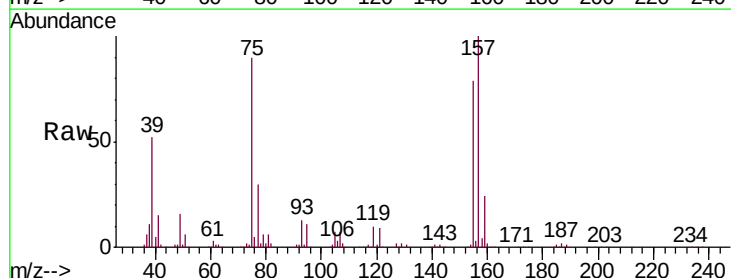
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

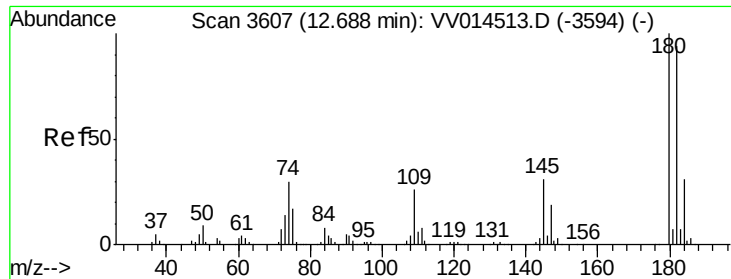
Tgt Ion: 146 Resp: 1153603
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 51.8
 148 64.1 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 224.764 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion: 75 Resp: 201540
 Ion Ratio Lower Upper
 75 100
 155 87.6 68.3 102.5
 157 111.5 87.1 130.7

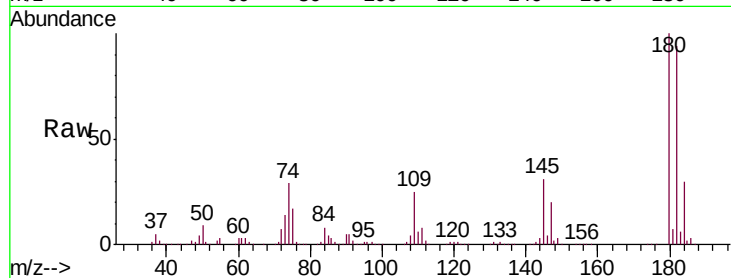




#69
 1,3,5-Trichlorobenzene
 Concen: 200.074 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200205

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.0	112.4
184	30.1	24.2	36.2
145	31.1	24.3	36.5



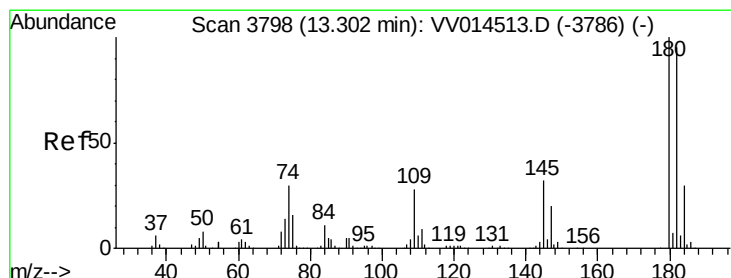
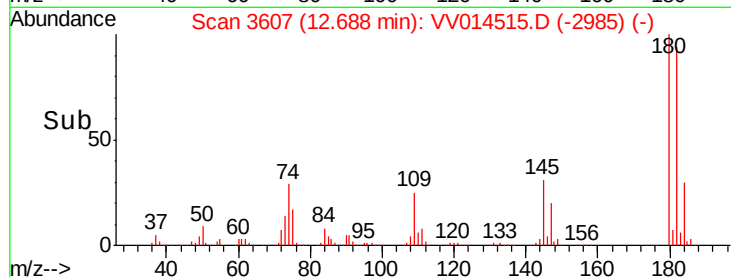
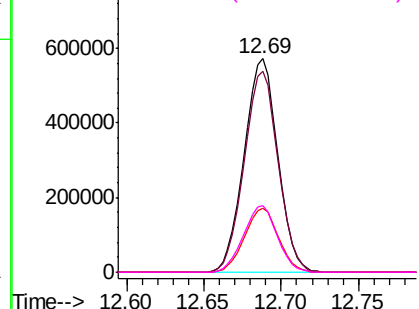
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

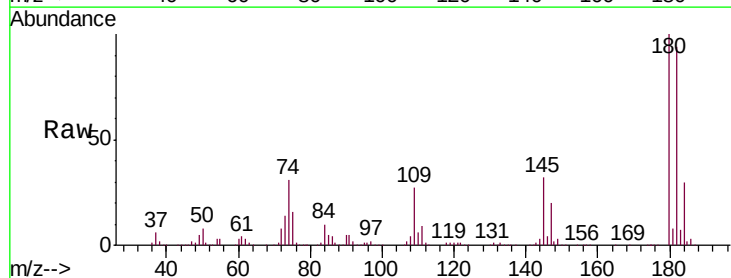
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 215.623 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014515.D
 Acq: 06 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
145	32.0	25.3	37.9

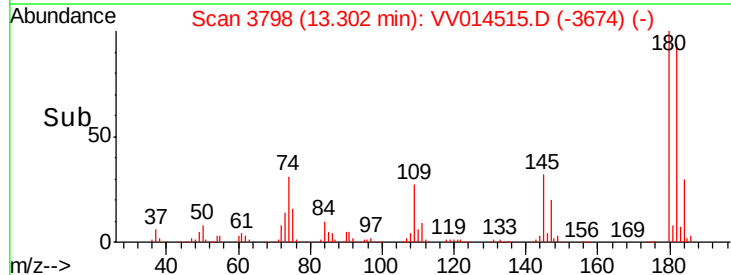
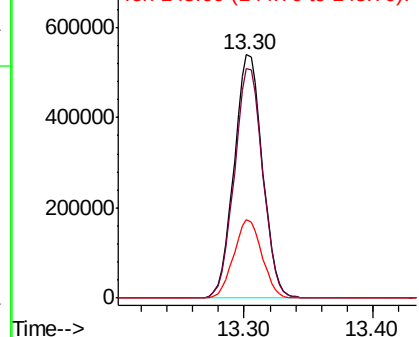


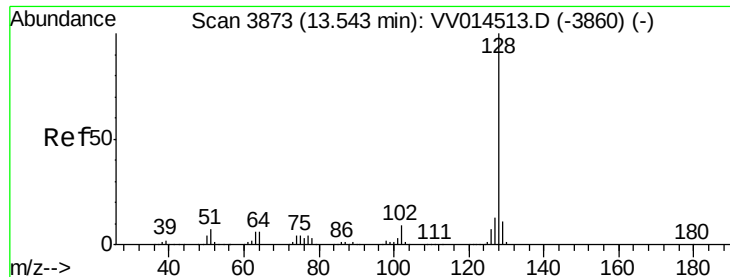
Abundance

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: 261.320 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD200205

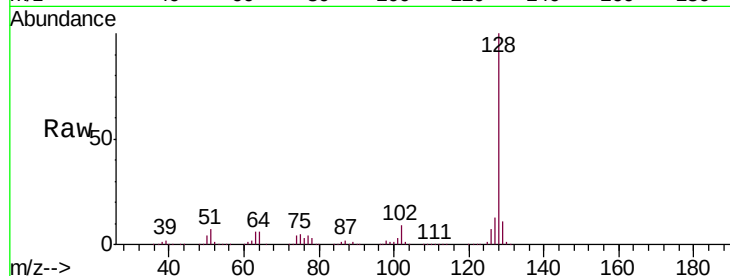
Tgt Ion:128 Resp: 2666788

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

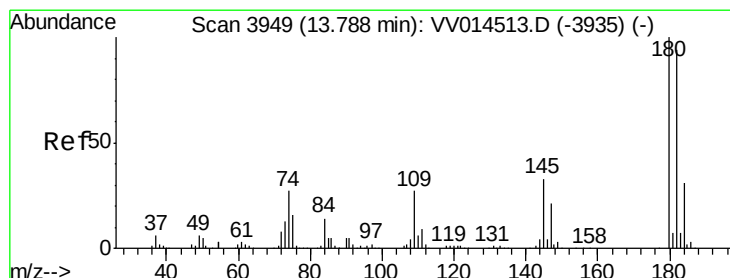
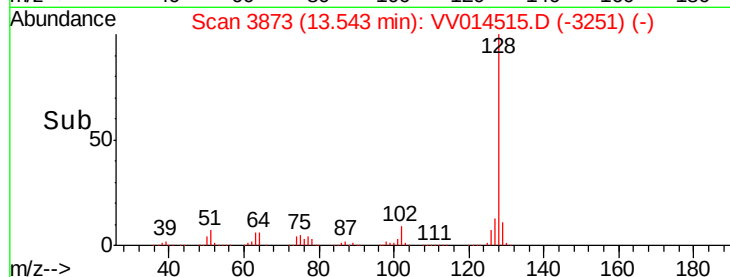
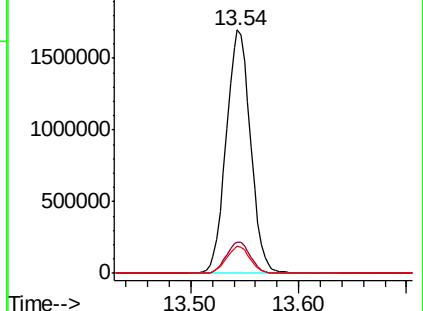
129 10.9 8.7 13.1



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: 208.935 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014515.D

Acq: 06 Feb 2020 11:56

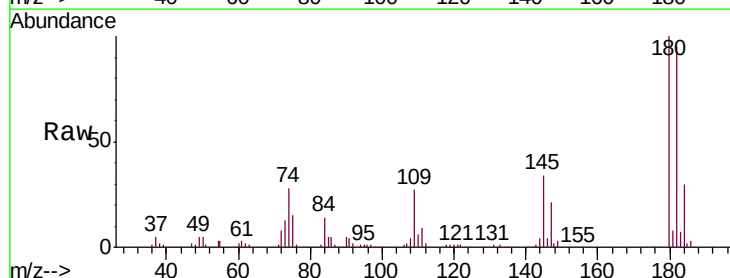
Tgt Ion:180 Resp: 792460

Ion Ratio Lower Upper

180 100

182 94.6 75.2 112.8

145 33.7 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

