

Data File : VV014455.D
Acq On : 31 Jan 2020 15:46
Operator : SY/MD
Sample : VSTD20063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Quant Time: Feb 01 01:42:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 01:38:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	407352	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386111	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189079	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	461937	196.74	ug/L	0.00
7) Chloroethane-d5	1.58	69	272731	121.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	602952	125.68	ug/L	0.00
21) 2-Butanone-d5	3.92	46	687016	424.49	ug/L	0.00
24) Chloroform-d	4.40	84	1010933	204.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	600724	194.37	ug/L	0.00
32) Benzene-d6	5.10	84	2089601	207.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	667173	218.33	ug/L	0.00
41) Toluene-d8	7.36	98	1935494	211.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	350826	234.75	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	568033	494.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	849439	198.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	708140	190.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	688932	190.589	ug/L	99
3) Chloromethane	1.26	50	676088	198.371	ug/L	100
5) Vinyl chloride	1.32	62	570671	169.216	ug/L	99
6) Bromomethane	1.52	94	198113	105.316	ug/L	97
8) Chloroethane	1.60	64	235672	111.547	ug/L	100
9) Trichlorofluoromethane	1.77	101	651649	130.093	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	306261	109.721	ug/L	99
12) 1,1-Dichloroethene	2.14	96	289907	107.219	ug/L	97
13) Acetone	2.19	43	494608	224.506	ug/L	96
14) Carbon disulfide	2.32	76	1554024	197.283	ug/L	100
15) Methyl Acetate	2.45	43	533662	181.921	ug/L	100
16) Methylene chloride	2.54	84	577856	187.457	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	544902	188.658	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1691048	200.877	ug/L	100
19) 1,1-Dichloroethane	3.23	63	996512	190.497	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	618359	198.013	ug/L	99
22) 2-Butanone	4.00	43	821384	363.487	ug/L	98
23) Bromochloromethane	4.30	128	295036	174.713	ug/L	97
25) Chloroform	4.42	83	988880	179.060	ug/L	100
27) 1,2-Dichloroethane	5.18	62	728665	183.891	ug/L	99
29) Cyclohexane	4.73	56	968567	212.279	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	857632	186.480	ug/L	99
31) Carbon tetrachloride	4.87	117	754683	185.074	ug/L	98
33) Benzene	5.15	78	2279840	197.994	ug/L	100
34) Trichloroethene	5.96	95	583758	190.885	ug/L	98
35) Methylcyclohexane	6.18	83	995493	213.176	ug/L	100
37) 1,2-Dichloropropane	6.22	63	590346	210.371	ug/L	99
38) Bromodichloromethane	6.55	83	779280	196.960	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1003979	223.442	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1438153	397.231	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2384573	200.129	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	875731	217.239	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	545132	197.120	ug/L	98
46) Tetrachloroethene	8.02	164	429492	161.542	ug/L	99
48) 2-Hexanone	8.18	43	1146671	392.454	ug/L	98
49) Dibromochloromethane	8.29	129	623169	187.340	ug/L	98
50) 1,2-Dibromoethane	8.39	107	586331	193.840	ug/L	99
51) Chlorobenzene	8.92	112	1528657	187.751	ug/L	100
52) Ethylbenzene	9.05	91	2672845	202.817	ug/L	99
53) m,p-Xylene	9.18	106	1025683	202.896	ug/L	99
54) o-xylene	9.58	106	970706	198.363	ug/L	98
55) Styrene	9.60	104	1685311	201.184	ug/L	99
56) Isopropylbenzene	9.97	105	2542129	197.103	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	867186	195.489	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	671098	182.650	ug/L	100
61) Bromoform	9.77	173	425003	186.387	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1167263	188.233	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	1188154	185.480	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1138681	183.735	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	189761	214.459	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	816704	166.384	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	762189	170.494	ug/L	99
69) Naphthalene	13.54	128	2484029	205.646	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	721779	157.696	ug/L	99

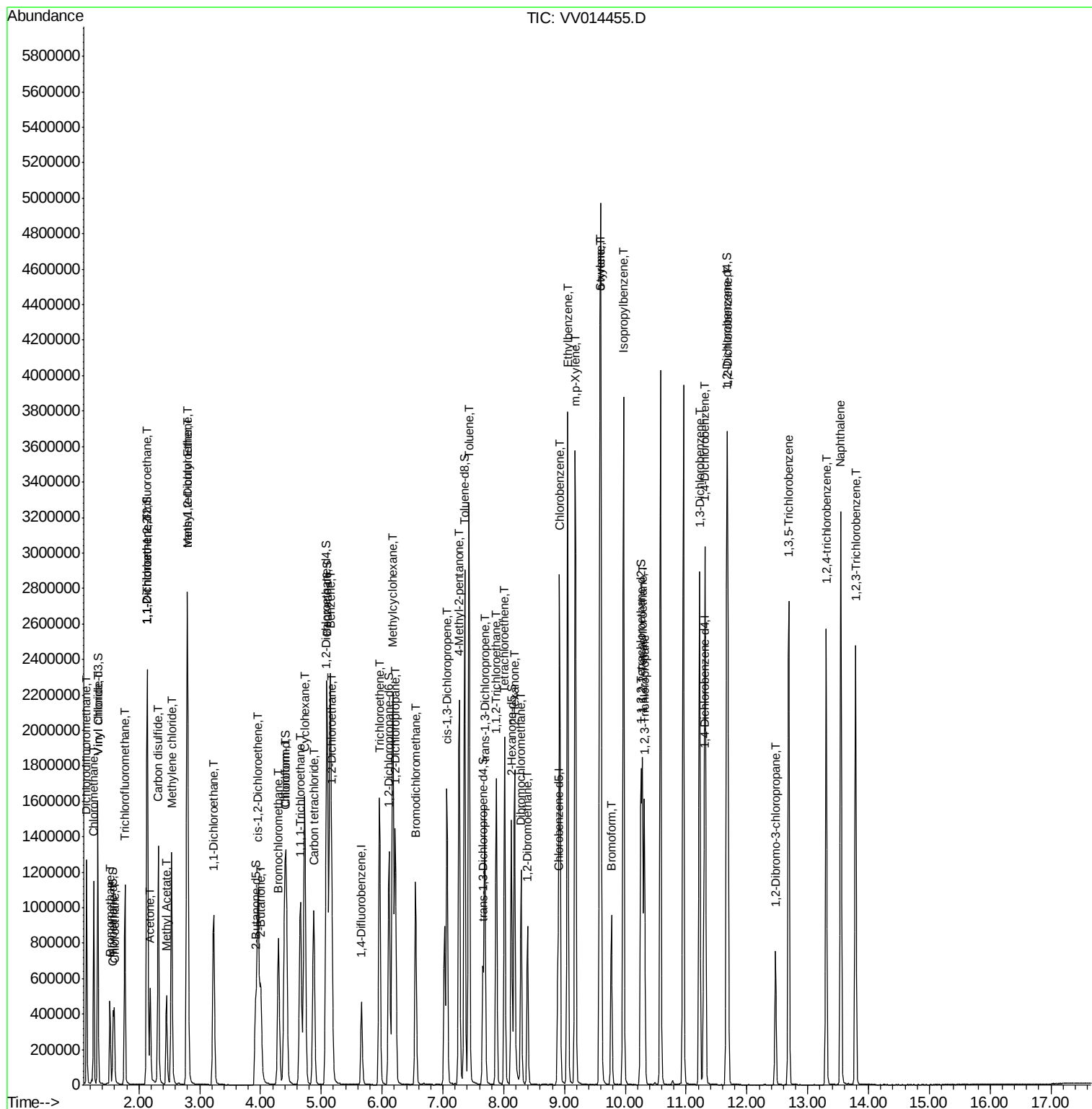
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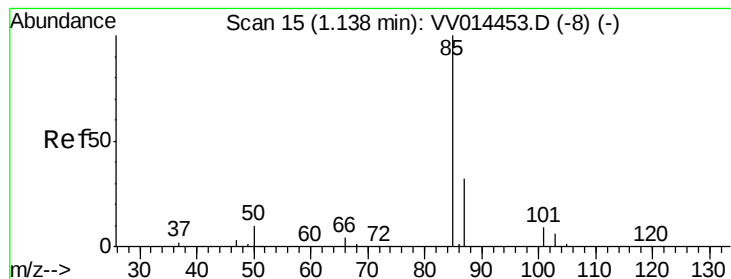
Data File : VV014455.D

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#2

Dichlorodifluoromethane

Concen: 190.589 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

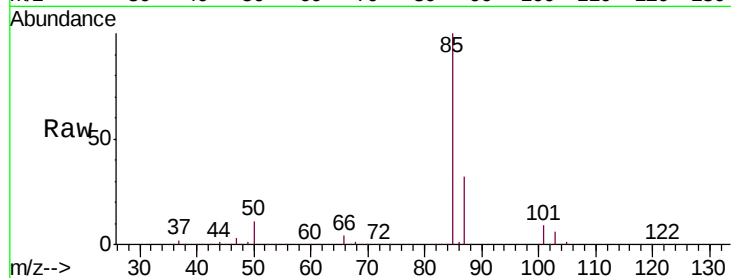
VSTD20063

Tgt Ion: 85 Resp: 688932

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014455.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014455.D (-8) (-)

1.14

800000

600000

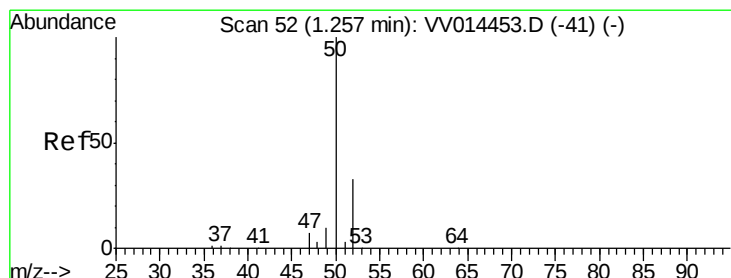
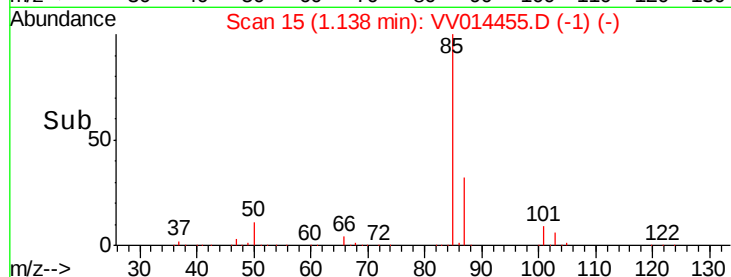
400000

200000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 198.371 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014455.D

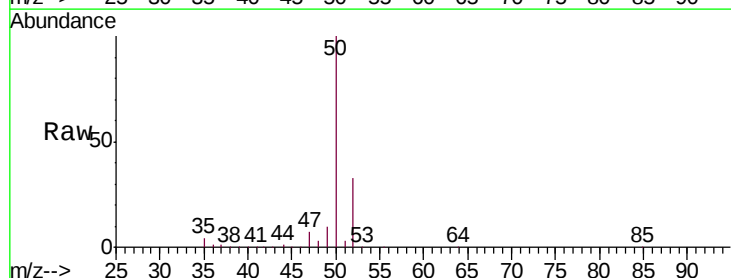
Acq: 31 Jan 2020 15:46

Tgt Ion: 50 Resp: 676088

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014455.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV014455.D (-41) (-)

1.26

800000

600000

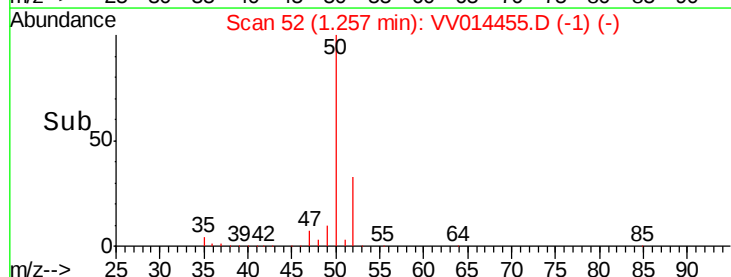
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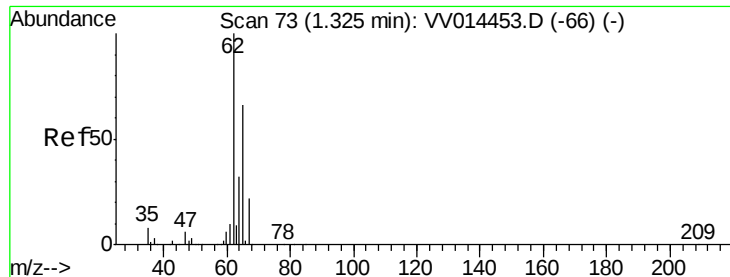
200000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 169.216 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

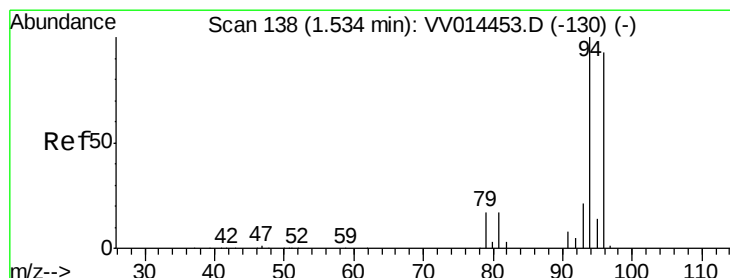
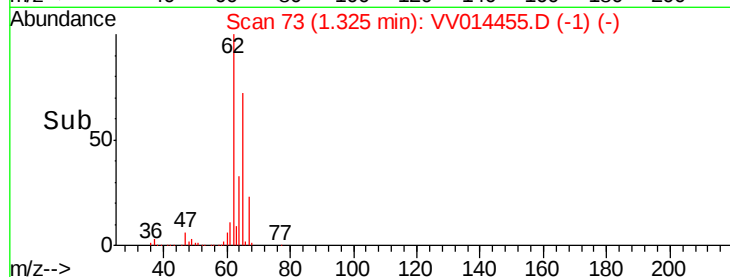
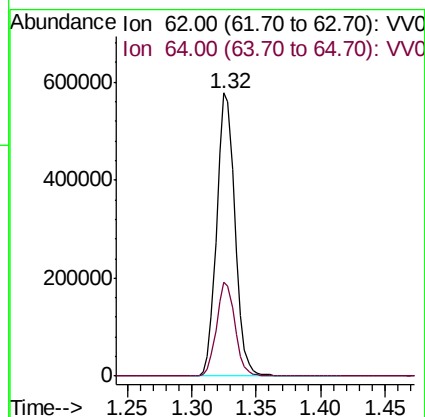
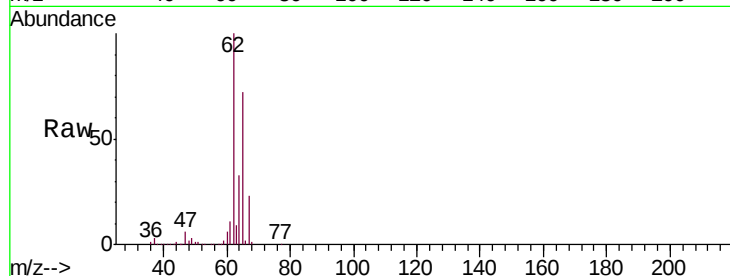
VSTD20063

Tgt Ion: 62 Resp: 570671

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#6

Bromomethane

Concen: 105.316 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV014455.D

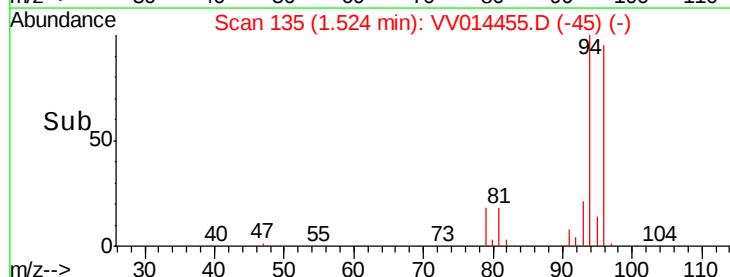
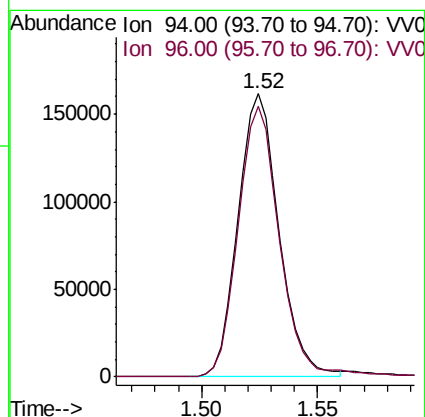
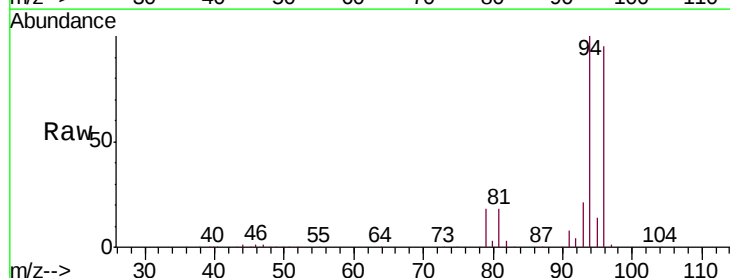
Acq: 31 Jan 2020 15:46

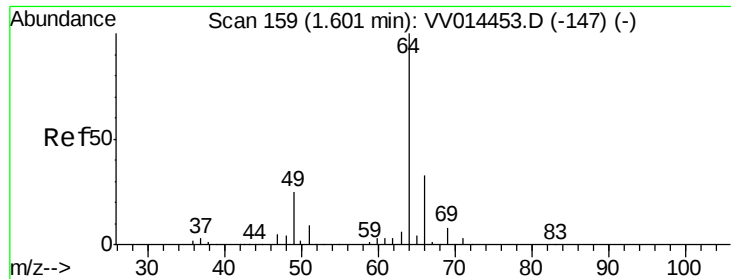
Tgt Ion: 94 Resp: 198113

Ion Ratio Lower Upper

94 100

96 95.4 65.0 120.8





#8

Chloroethane

Concen: 111.547 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

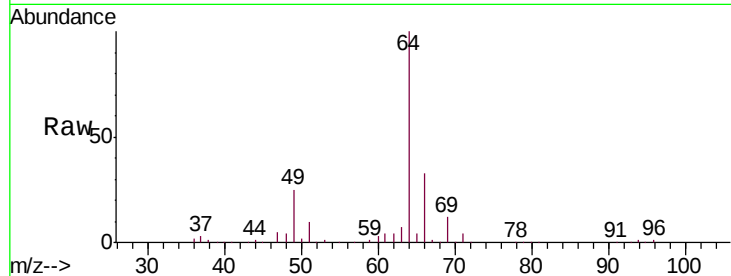
VSTD20063

Tgt Ion: 64 Resp: 235672

Ion Ratio Lower Upper

64 100

66 32.7 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014453.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV014455.D (-35) (-)

1.60

200000

150000

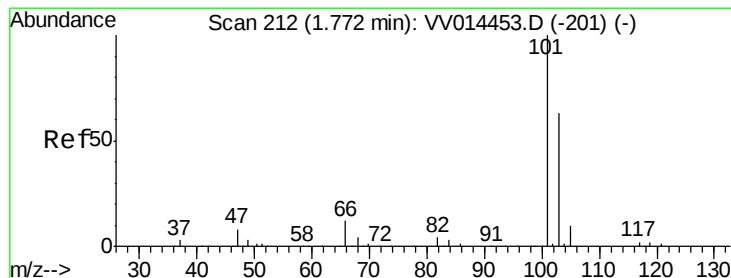
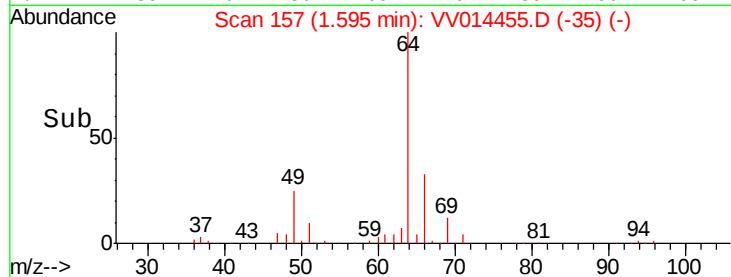
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 130.093 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014455.D

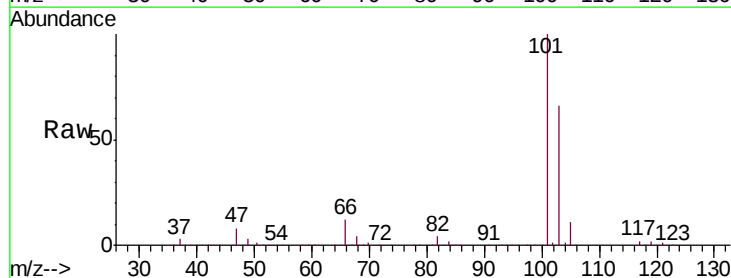
Acq: 31 Jan 2020 15:46

Tgt Ion: 101 Resp: 651649

Ion Ratio Lower Upper

101 100

103 65.3 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014453.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014455.D (-88) (-)

1.77

600000

500000

400000

300000

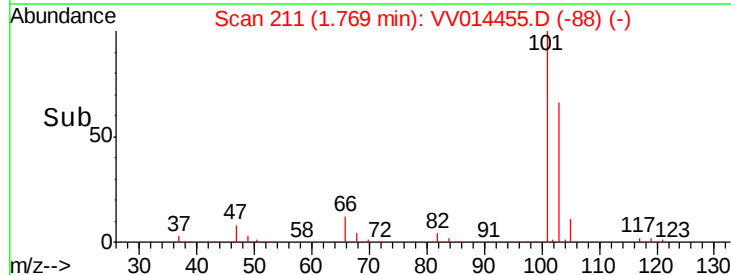
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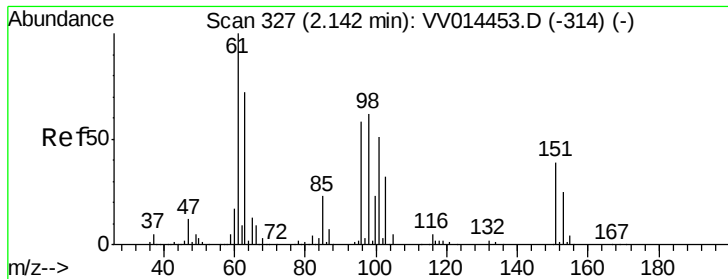
100000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 109.721 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

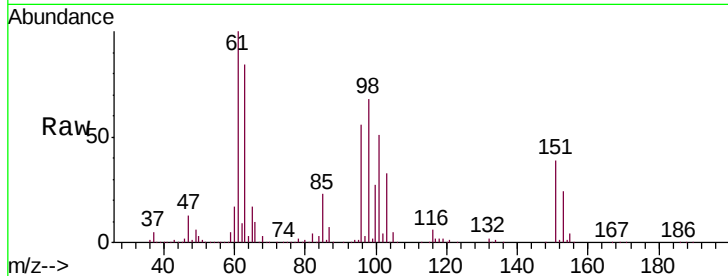
Tgt Ion: 101 Resp: 306261

Ion Ratio Lower Upper

101 100

85 44.0 34.6 51.8

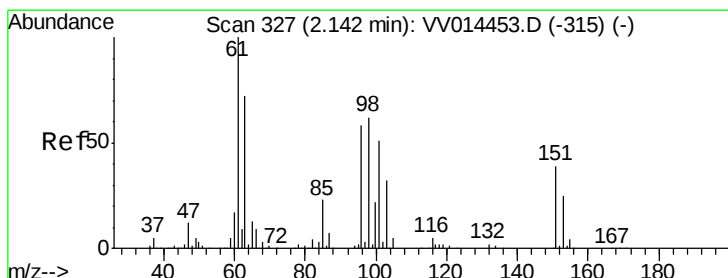
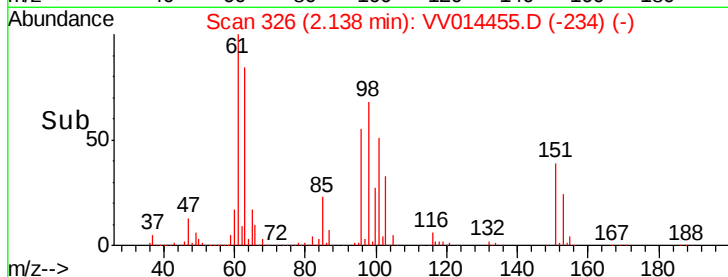
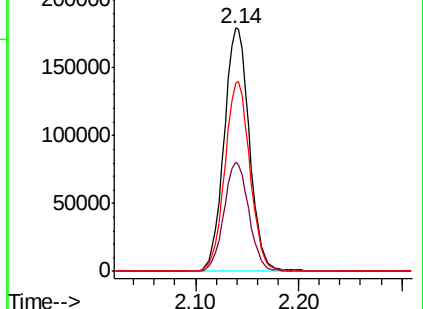
151 77.3 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): VV014455.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV014455.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV014455.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 107.219 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

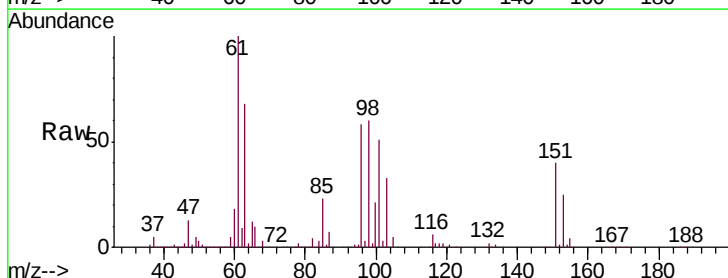
Tgt Ion: 96 Resp: 289907

Ion Ratio Lower Upper

96 100

61 172.1 120.5 223.7

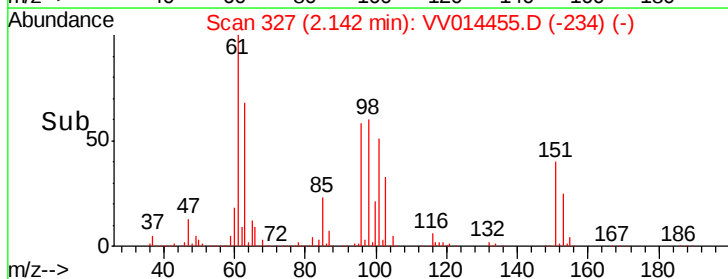
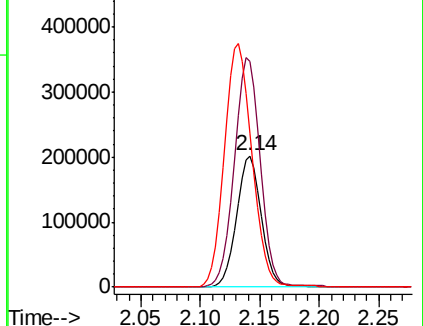
63 117.5 87.1 161.7

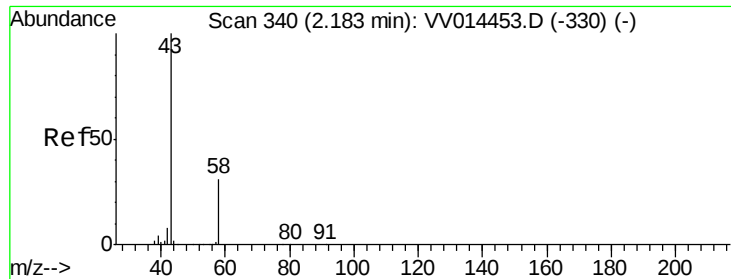


Abundance Ion 96.00 (95.70 to 96.70): VV014455.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV014455.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014455.D (-234) (-)

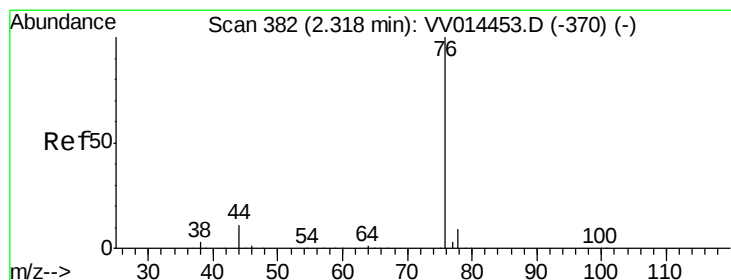
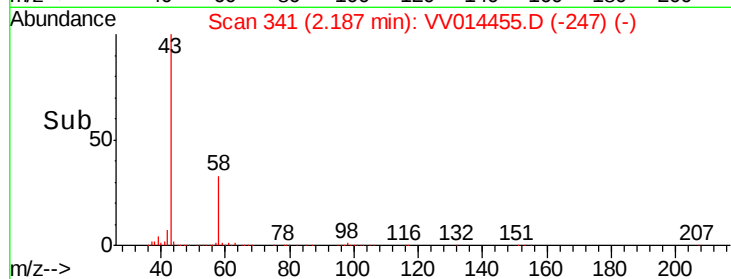
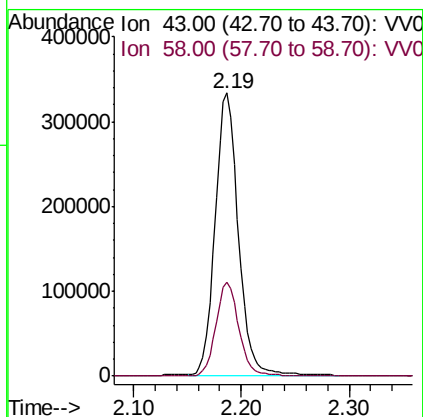
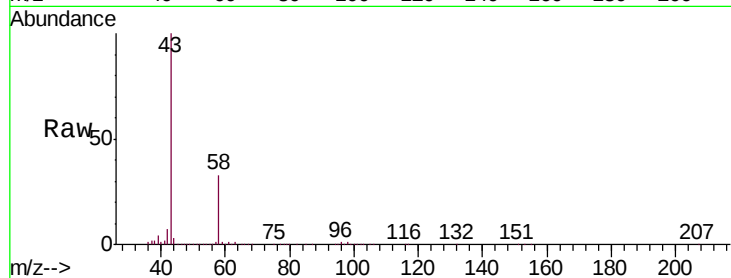




#13
Acetone
Concen: 224.506 ug/L
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

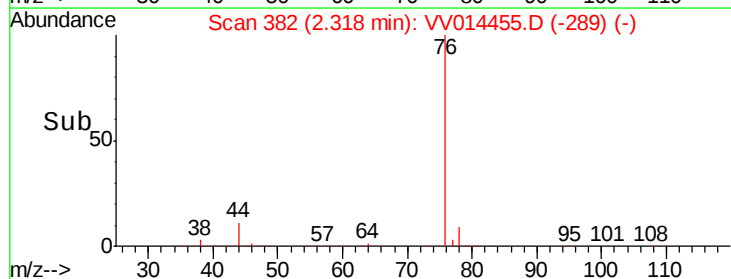
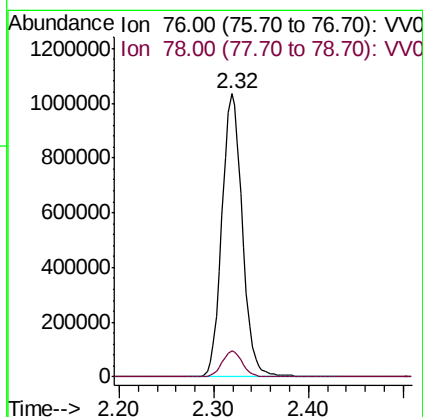
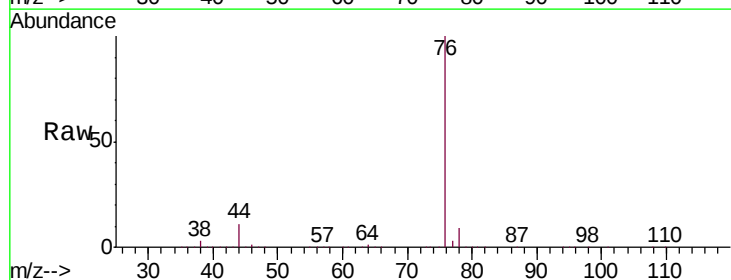
Instrument :
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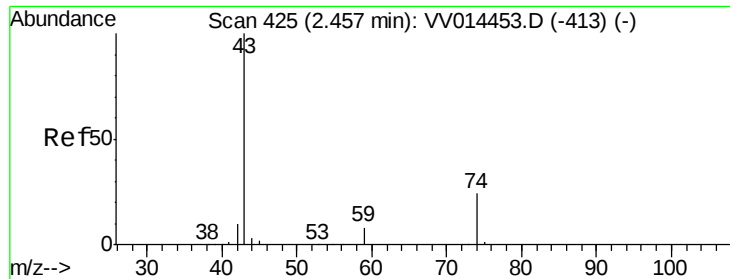
Tgt Ion: 43 Resp: 494608
Ion Ratio Lower Upper
43 100
58 32.6 0.0 61.2



#14
Carbon disulfide
Concen: 197.283 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Tgt Ion: 76 Resp: 1554024
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 181.921 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

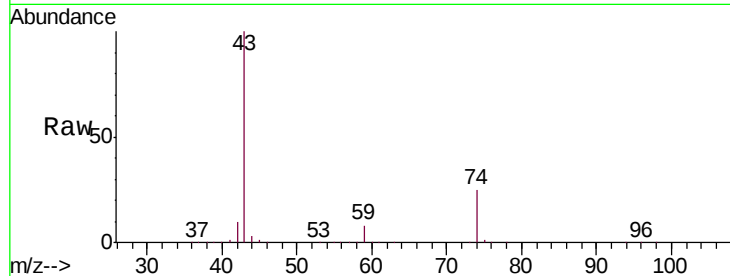
VSTD20063

Tgt Ion: 43 Resp: 533662

Ion Ratio Lower Upper

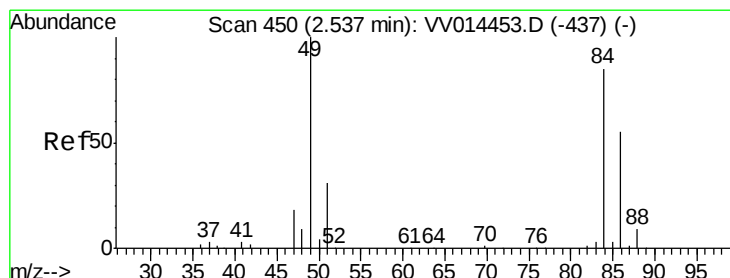
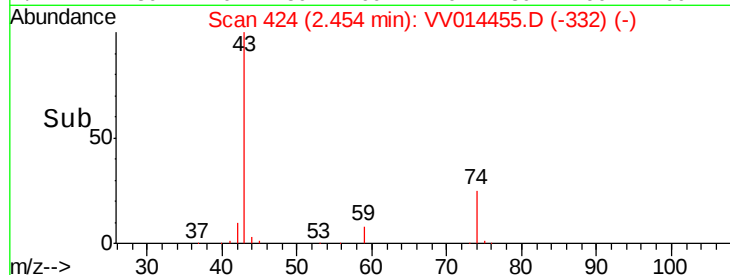
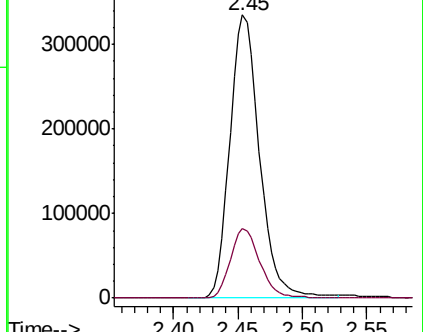
43 100

74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VV014455.D (-332) (-)

Ion 74.00 (73.70 to 74.70): VV014455.D (-332) (-)



#16

Methylene chloride

Concen: 187.457 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

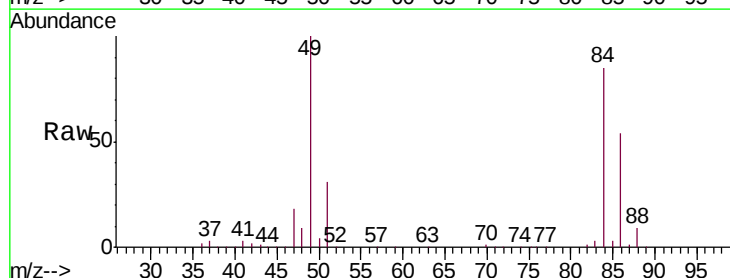
Tgt Ion: 84 Resp: 577856

Ion Ratio Lower Upper

84 100

86 63.9 45.6 84.8

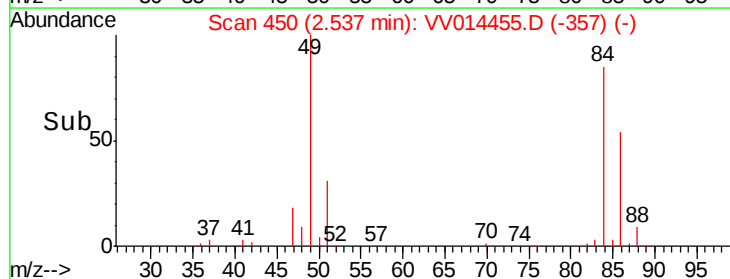
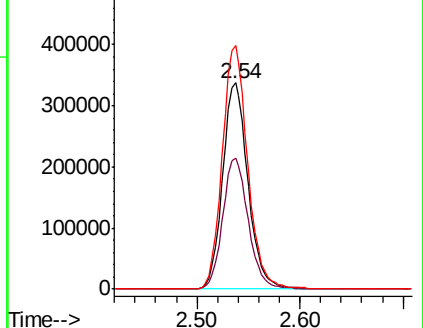
49 118.2 82.7 153.7

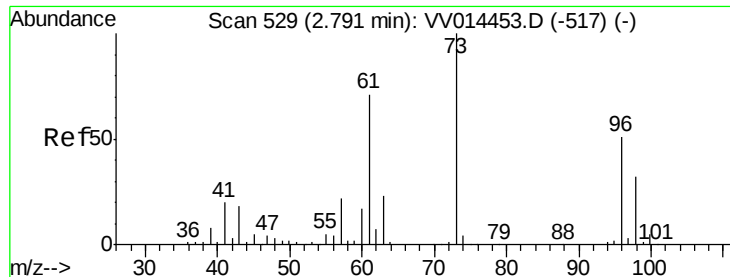


Abundance Ion 84.00 (83.70 to 84.70): VV014455.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV014455.D (-357) (-)

Ion 49.00 (48.70 to 49.70): VV014455.D (-357) (-)





#17

trans-1,2-Dichloroethene

Concen: 188.658 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

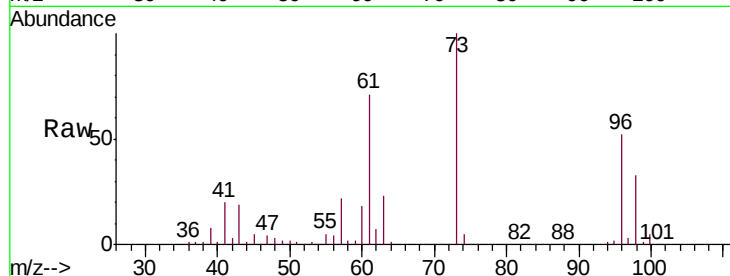
Tgt Ion: 96 Resp: 544902

Ion Ratio Lower Upper

96 100

61 135.7 96.7 179.7

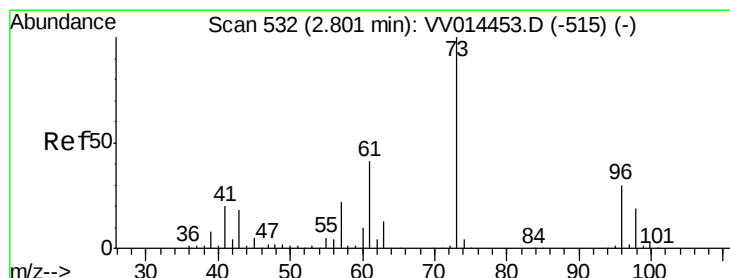
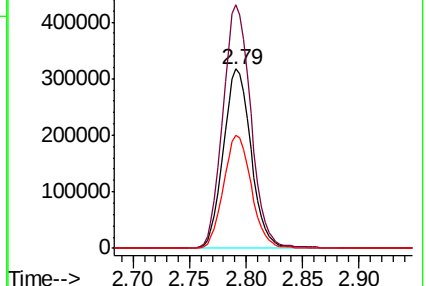
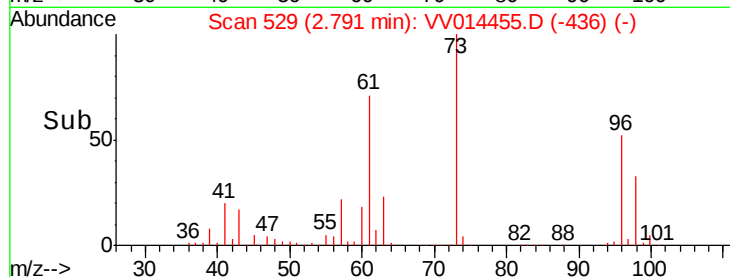
98 63.2 44.1 81.9



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: 200.877 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

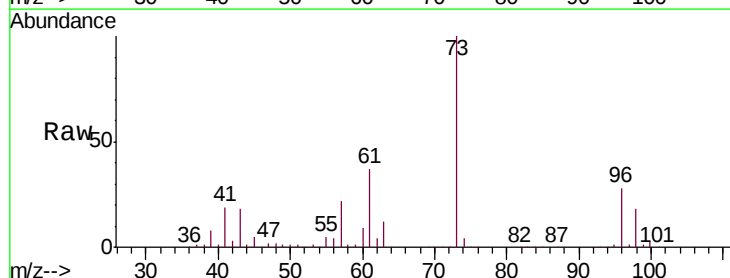
Tgt Ion: 73 Resp: 1691048

Ion Ratio Lower Upper

73 100

43 18.0 14.1 21.1

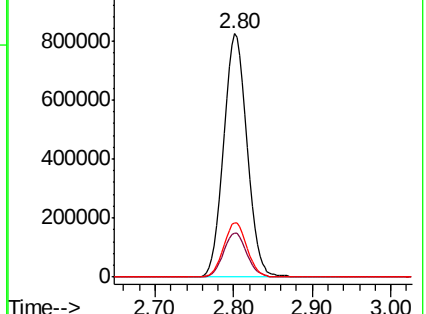
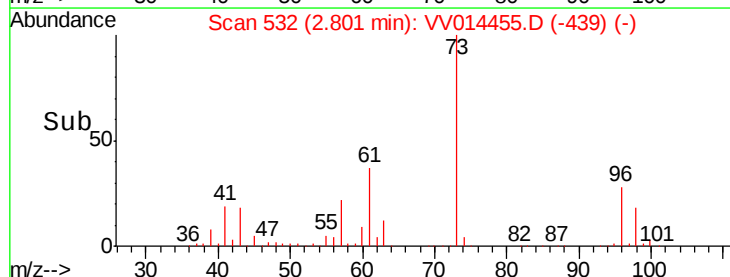
57 22.4 17.9 26.9

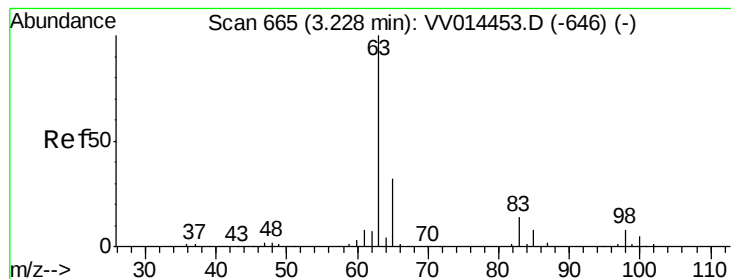


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 190.497 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

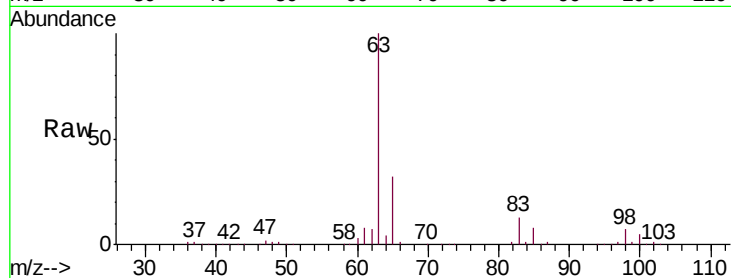
Tgt Ion: 63 Resp: 996512

Ion Ratio Lower Upper

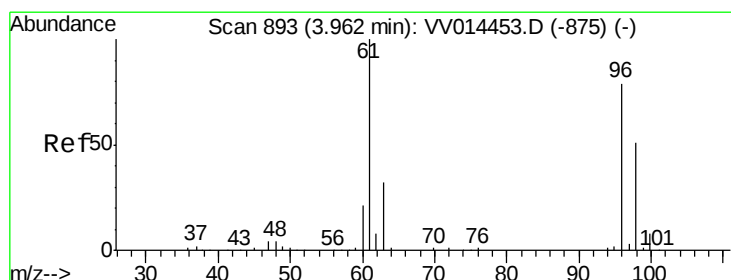
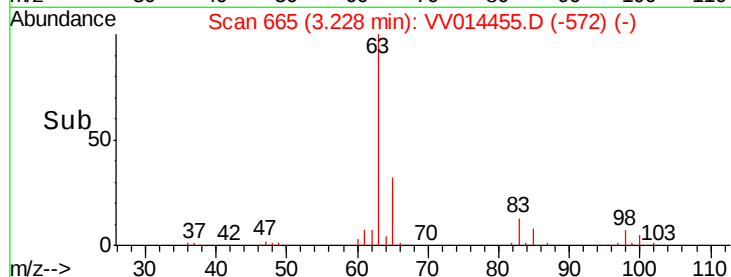
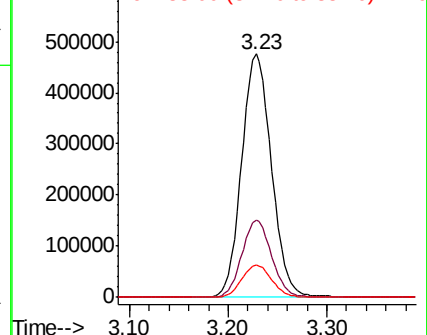
63 100

65 31.7 22.1 41.1

83 13.3 9.4 17.6



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: 198.013 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

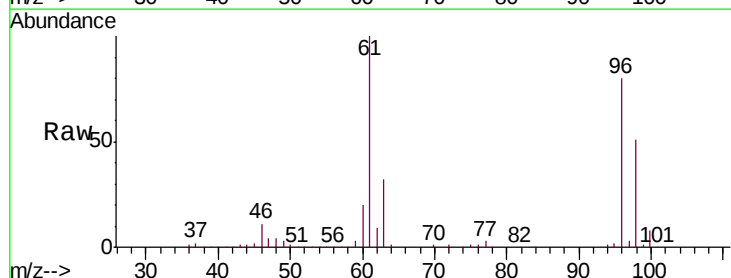
Tgt Ion: 96 Resp: 618359

Ion Ratio Lower Upper

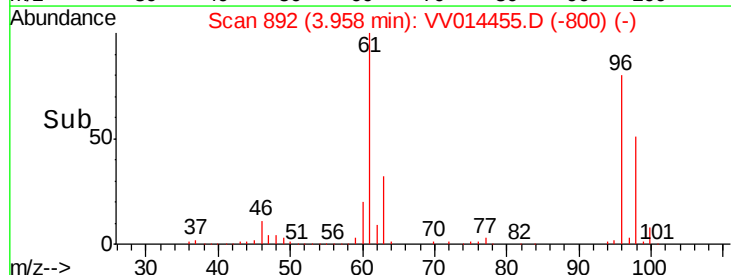
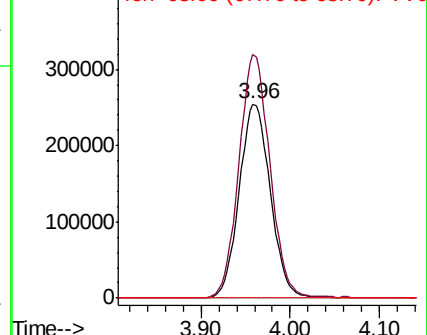
96 100

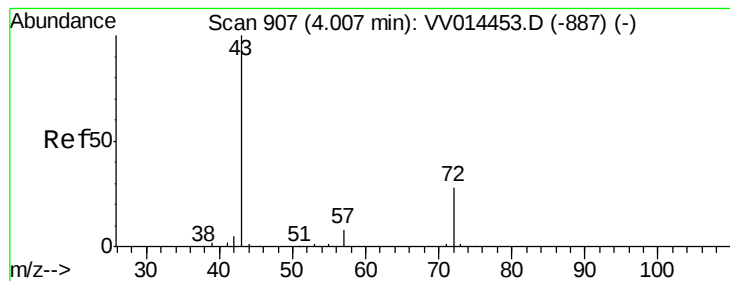
61 125.6 88.9 165.1

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: 363.487 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

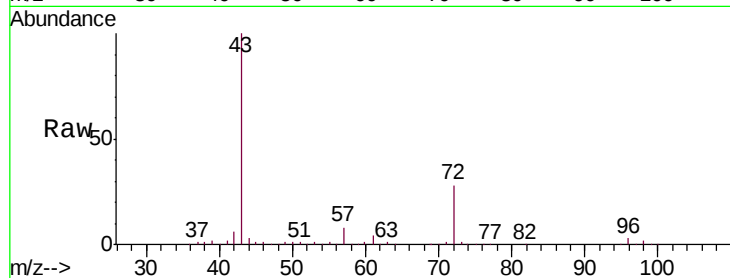
VSTD20063

Tgt Ion: 43 Resp: 821384

Ion Ratio Lower Upper

43 100

72 28.5 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014455.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV014455.D (-887) (-)

4.00

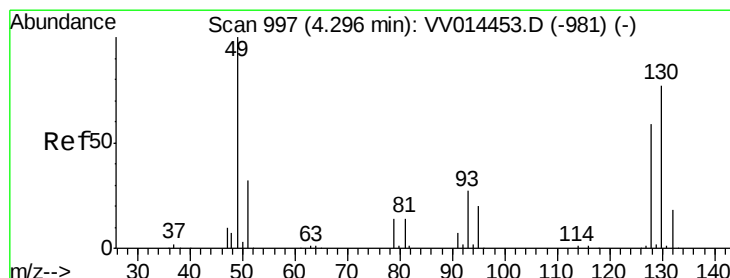
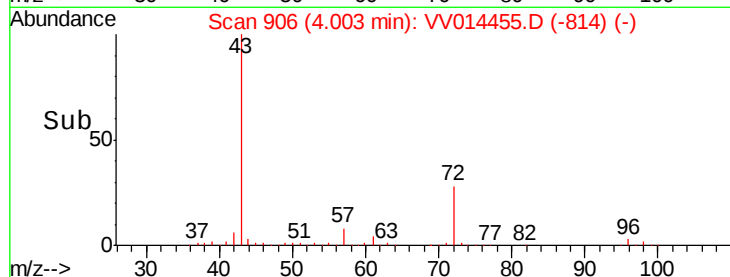
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 174.713 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Tgt Ion: 128 Resp: 295036

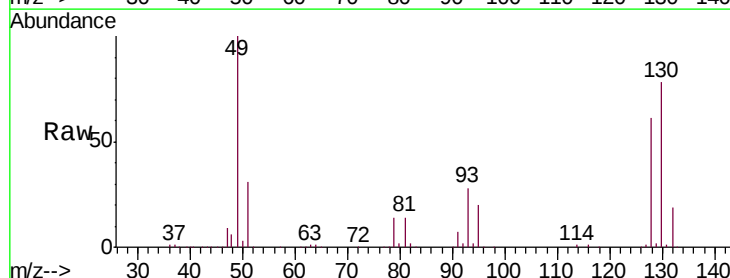
Ion Ratio Lower Upper

128 100

49 164.0 118.8 220.6

130 128.2 90.7 168.5

51 51.5 42.8 64.2



Abundance Ion 128.00 (127.70 to 128.70): VV014455.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014455.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014455.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014455.D (-904) (-)

4.30

300000

250000

200000

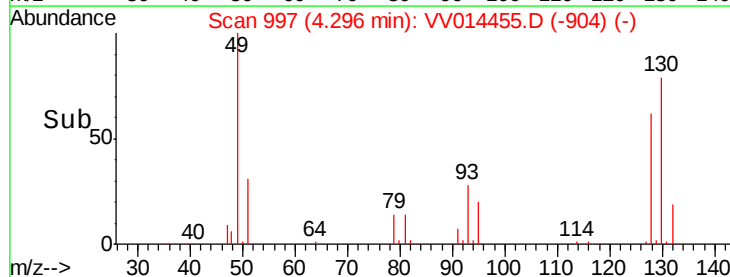
150000

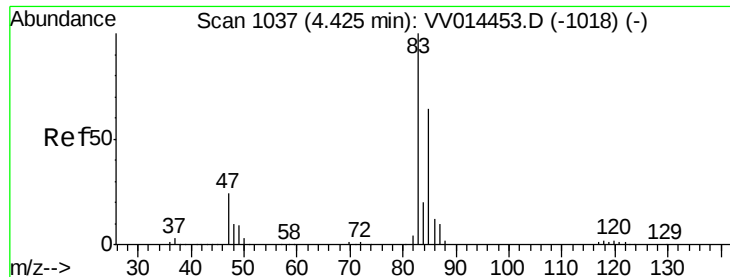
100000

50000

0

Time-->

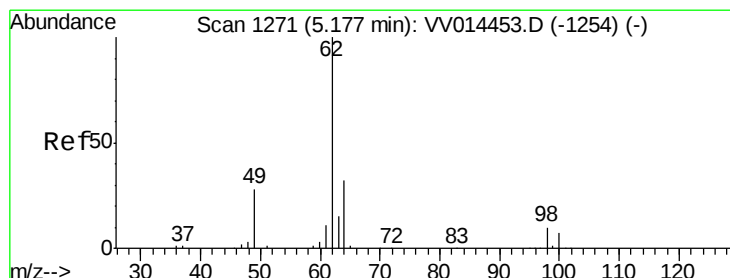
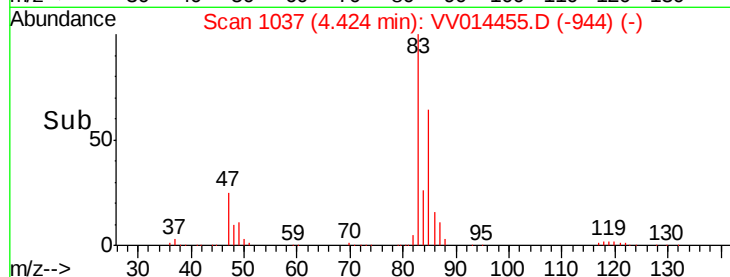
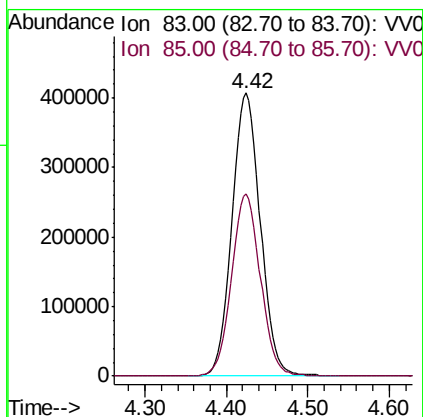
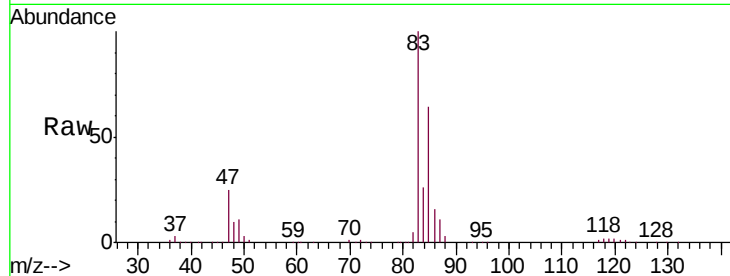




#25
Chloroform
Concen: 179.060 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

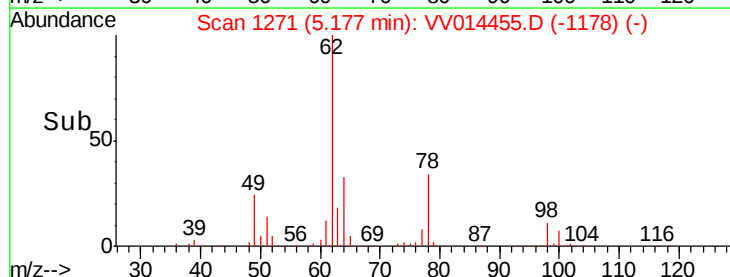
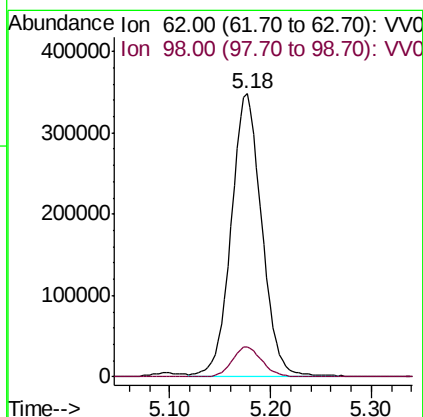
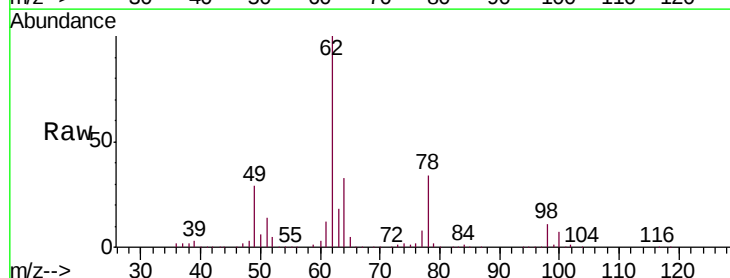
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

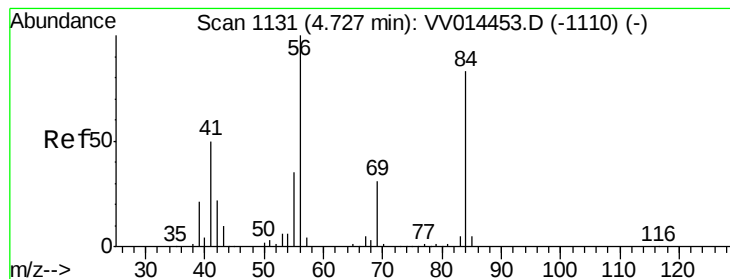
Tgt Ion: 83 Resp: 988880
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 183.891 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Tgt Ion: 62 Resp: 728665
Ion Ratio Lower Upper
62 100
98 10.5 8.0 12.0





#29

Cyclohexane

Concen: 212.279 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

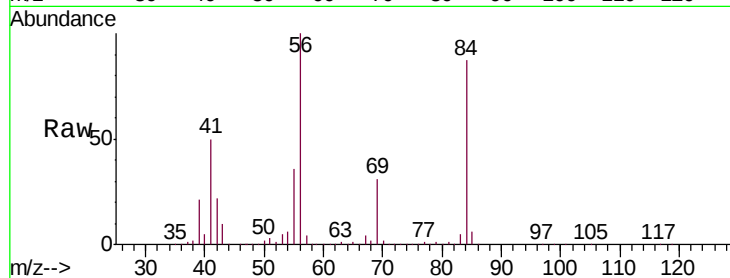
Tgt Ion: 56 Resp: 968567

Ion Ratio Lower Upper

56 100

69 30.7 24.9 37.3

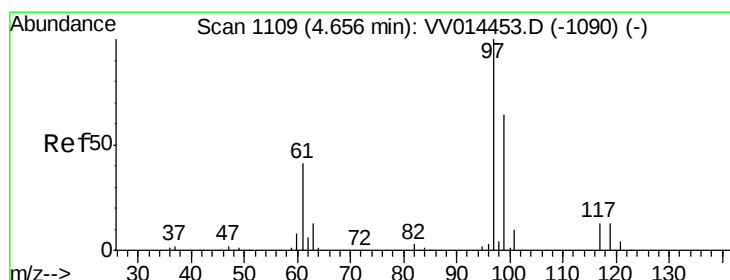
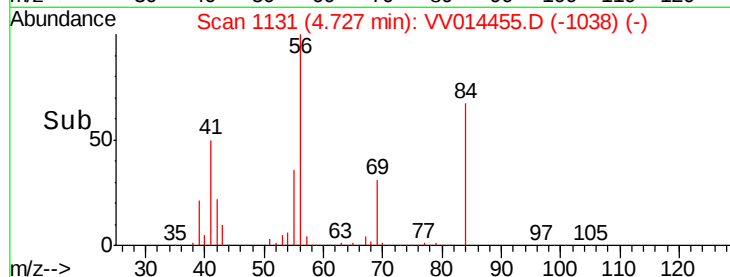
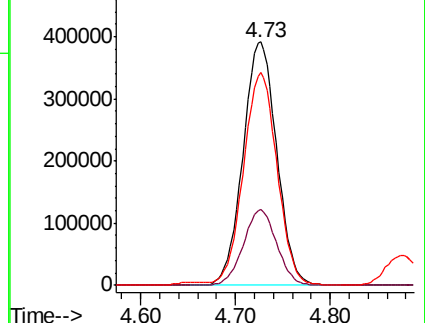
84 87.3 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VV014453.D (-1110) (-)

Ion 69.00 (68.70 to 69.70): VV014453.D (-1110) (-)

Ion 84.00 (83.70 to 84.70): VV014453.D (-1110) (-)



#30

1,1,1-Trichloroethane

Concen: 186.480 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

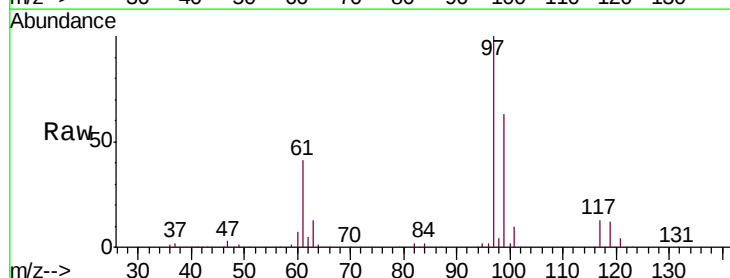
Tgt Ion: 97 Resp: 857632

Ion Ratio Lower Upper

97 100

99 64.1 50.6 76.0

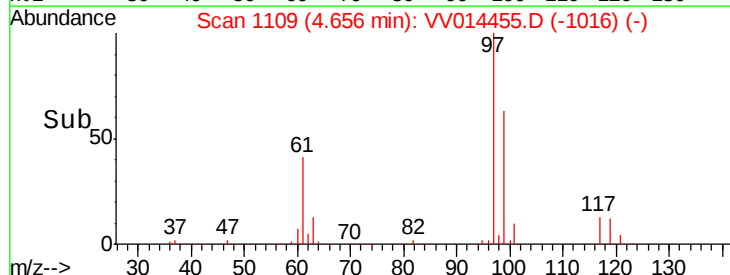
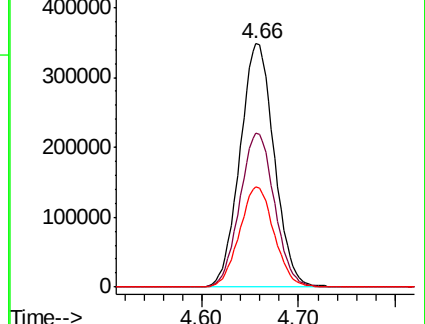
61 41.6 33.0 49.4

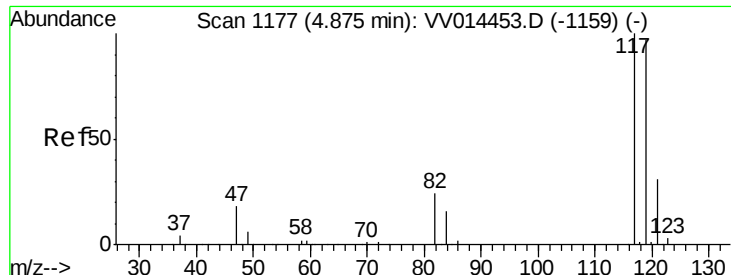


Abundance Ion 97.00 (96.70 to 97.70): VV014453.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014453.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014453.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 185.074 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

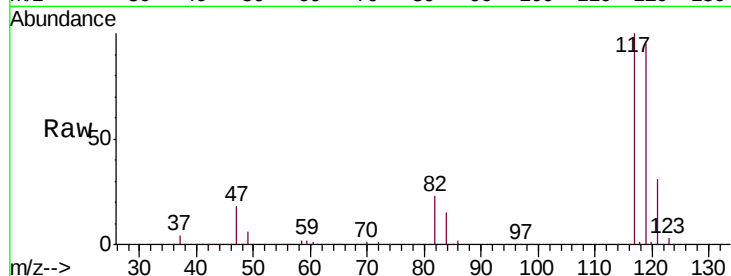
VSTD20063

Tgt Ion:117 Resp: 754683

Ion Ratio Lower Upper

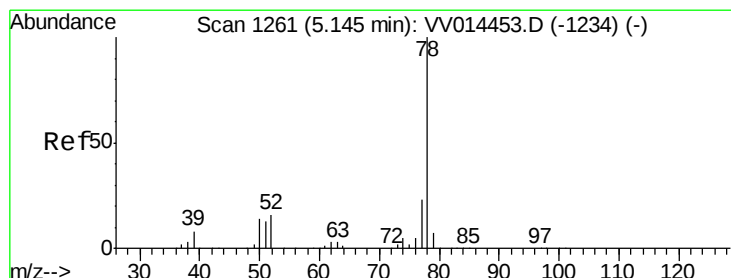
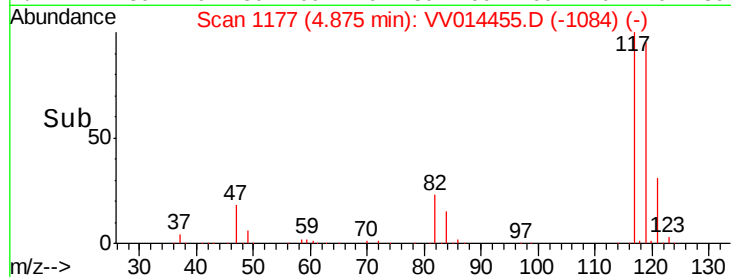
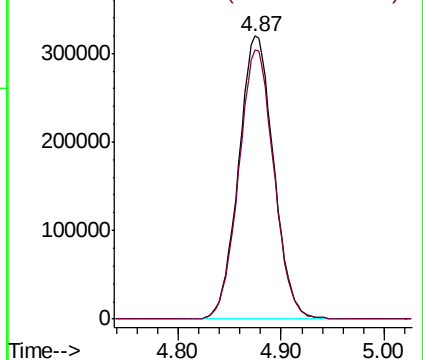
117 100

119 95.5 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 197.994 ug/L

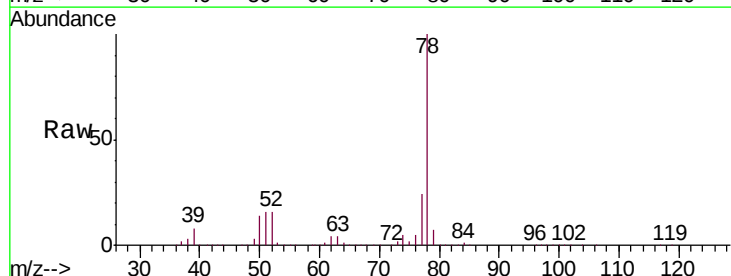
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

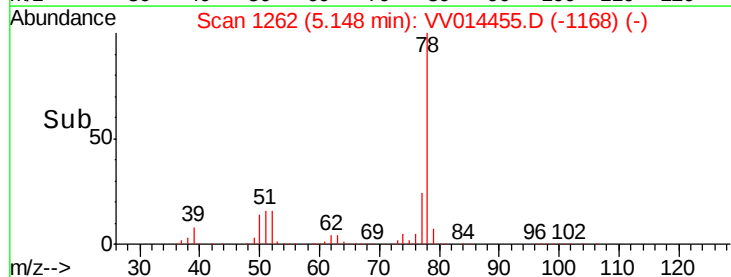
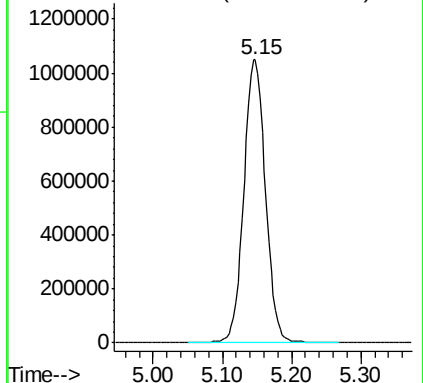
Lab File: VV014455.D

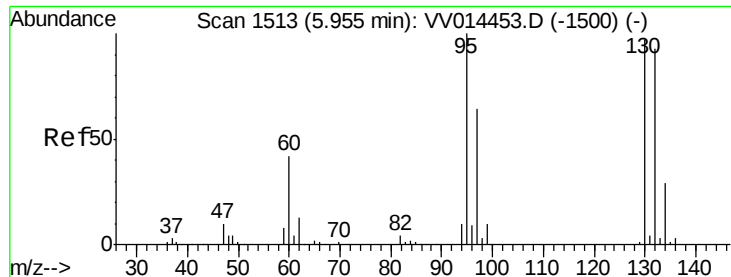
Acq: 31 Jan 2020 15:46

Tgt Ion: 78 Resp: 2279840



Abundance Ion 78.00 (77.70 to 78.70): VV0

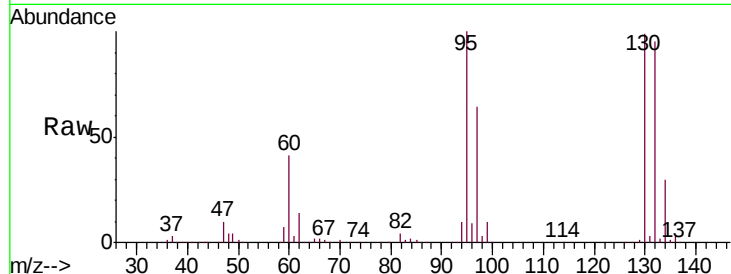




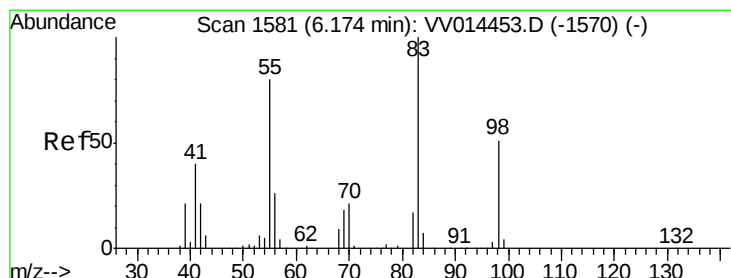
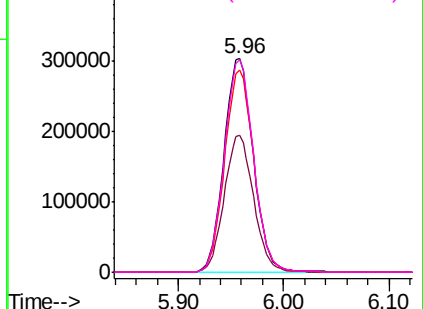
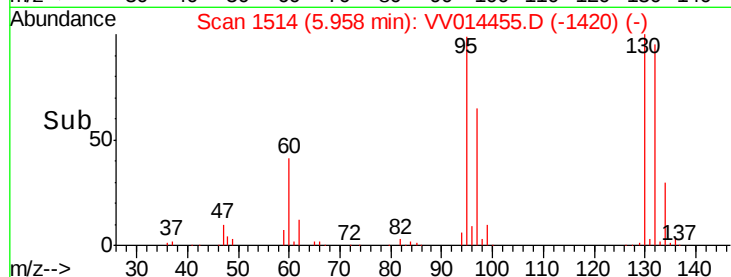
#34
 Trichloroethene
 Concen: 190.885 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014455.D
 Acq: 31 Jan 2020 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Tgt Ion: 95 Resp: 583758
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 83.1
 132 94.6 65.4 121.4
 130 99.3 67.7 125.7

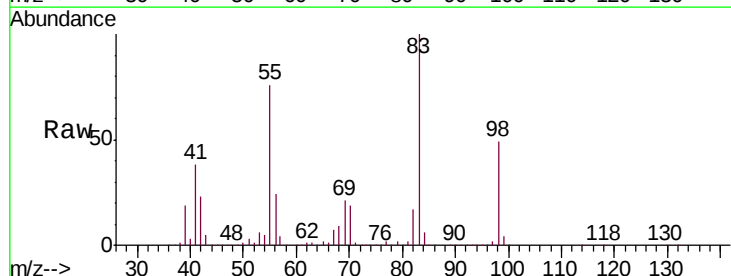


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

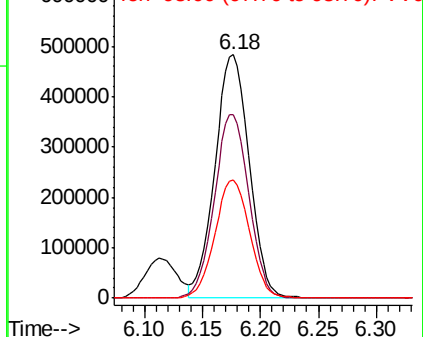
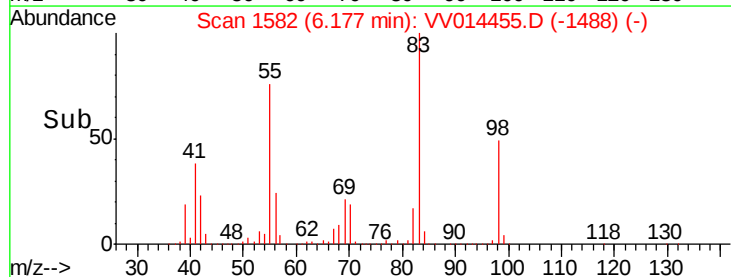


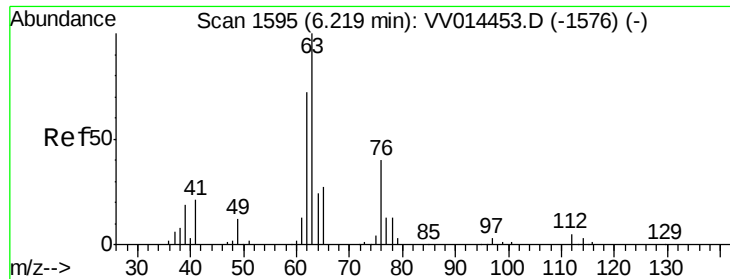
#35
 Methylcyclohexane
 Concen: 213.176 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV014455.D
 Acq: 31 Jan 2020 15:46

Tgt Ion: 83 Resp: 995493
 Ion Ratio Lower Upper
 83 100
 55 75.6 60.4 90.6
 98 48.9 39.2 58.8



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: 210.371 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

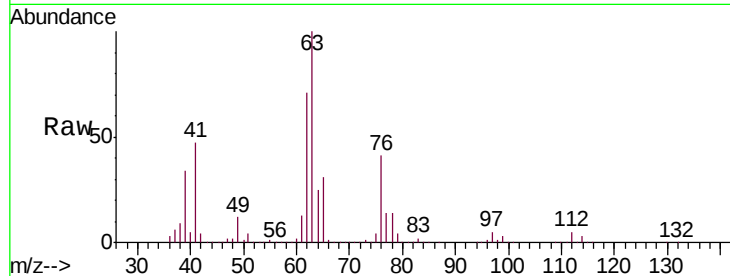
VSTD20063

Tgt Ion: 63 Resp: 590346

Ion Ratio Lower Upper

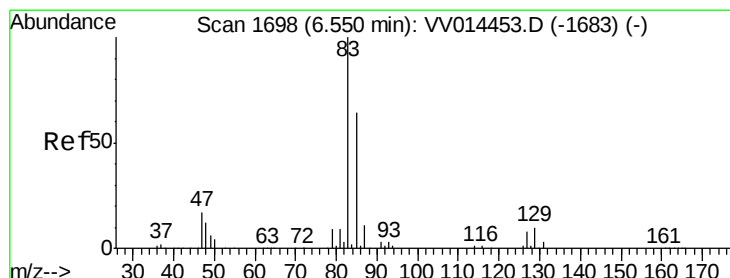
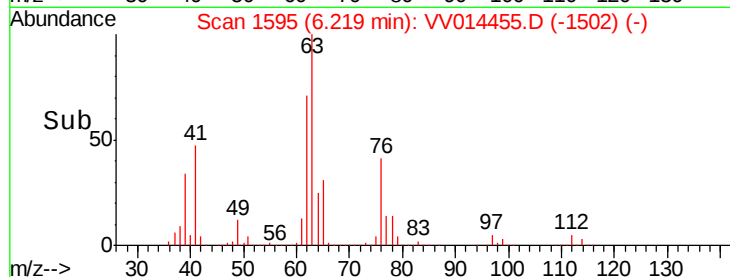
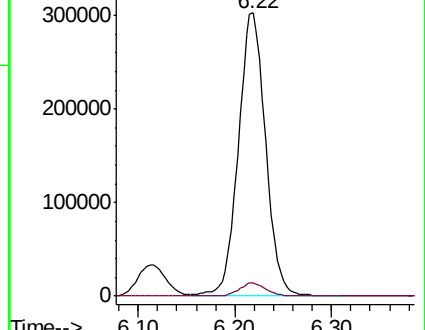
63 100

112 4.5 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV014455.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV014455.D (-1576) (-)



#38

Bromodichloromethane

Concen: 196.960 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

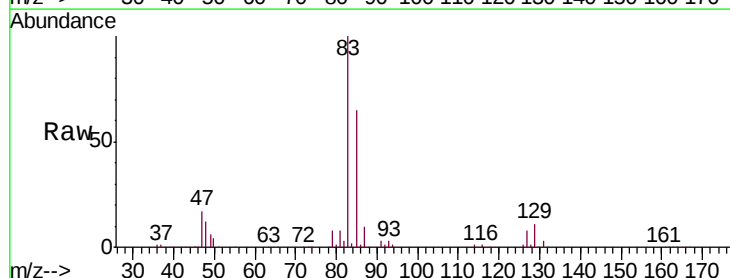
Tgt Ion: 83 Resp: 779280

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

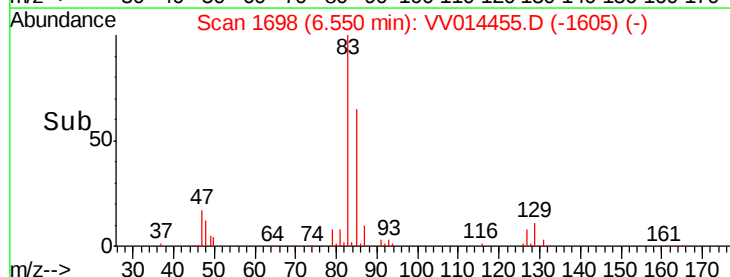
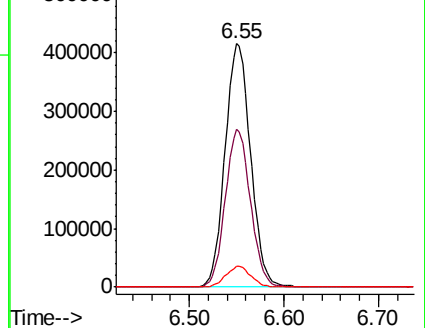
127 8.5 6.3 9.5

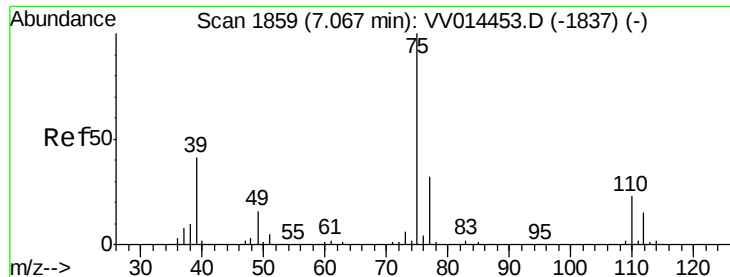


Abundance Ion 83.00 (82.70 to 83.70): VV014455.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV014455.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV014455.D (-1683) (-)





#39

cis-1,3-Dichloropropene

Concen: 223.442 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

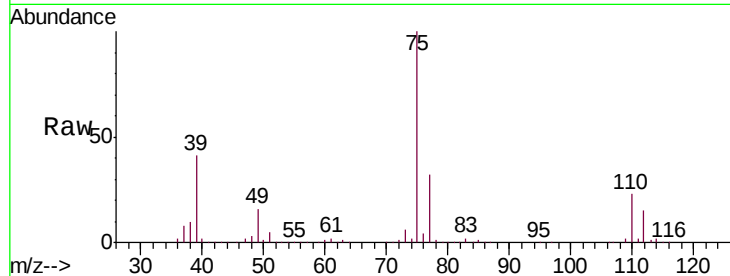
VSTD20063

Tgt Ion: 75 Resp: 1003979

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV014453.D (-1837) (-)

Ion 77.00 (76.70 to 77.70): VV014453.D (-1837) (-)

7.07

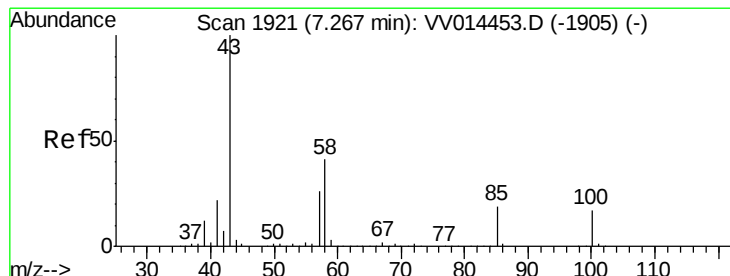
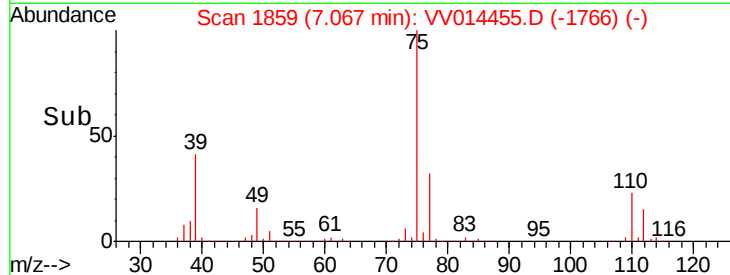
600000

400000

200000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 397.231 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

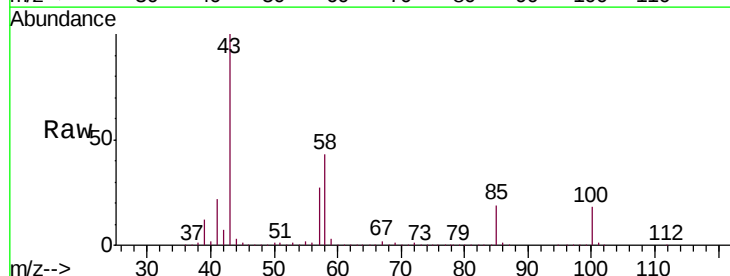
Tgt Ion: 43 Resp: 1438153

Ion Ratio Lower Upper

43 100

58 42.5 31.9 47.9

100 17.3 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VV014453.D (-1905) (-)

Ion 58.00 (57.70 to 58.70): VV014453.D (-1905) (-)

Ion 100.00 (99.70 to 100.70): VV014453.D (-1905) (-)

7.27

1000000

800000

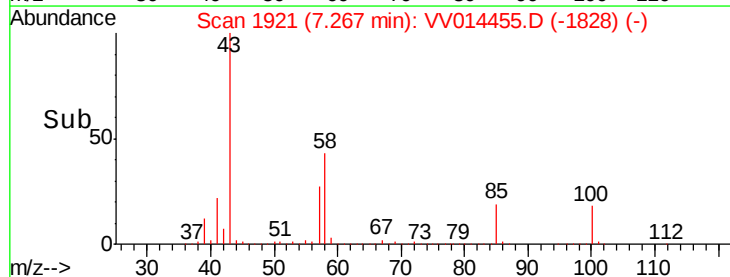
600000

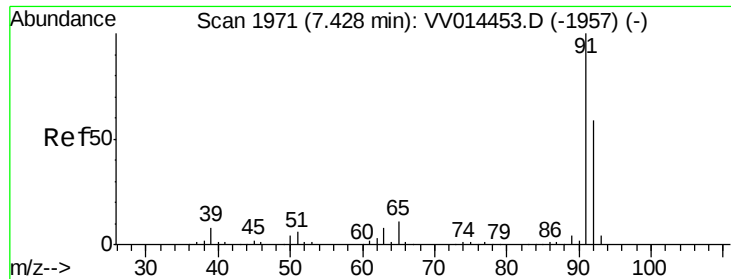
400000

200000

0

Time-->





#42

Toluene

Concen: 200.129 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

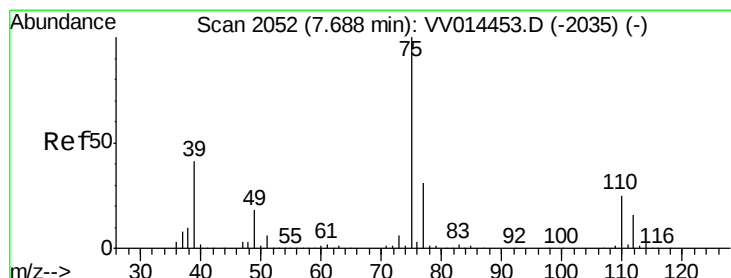
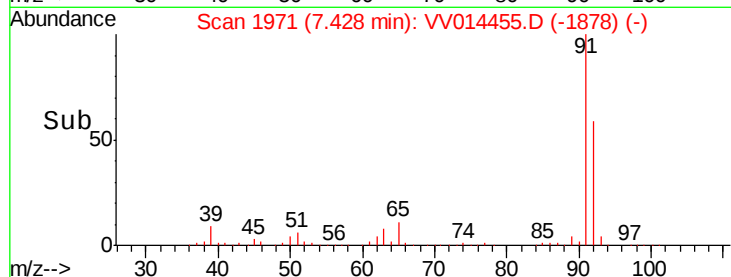
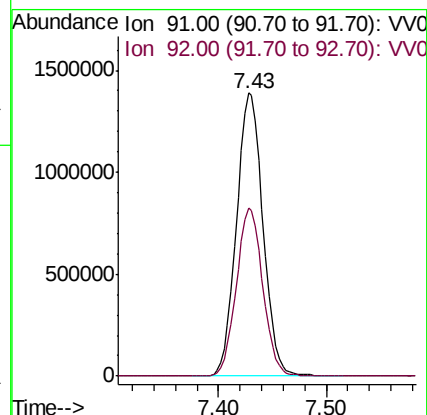
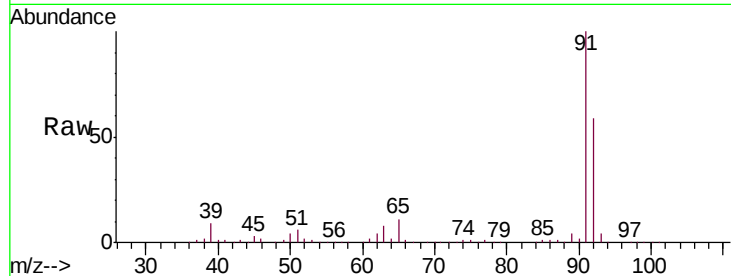
VSTD20063

Tgt Ion: 91 Resp: 2384573

Ion Ratio Lower Upper

91 100

92 59.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 217.239 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014455.D

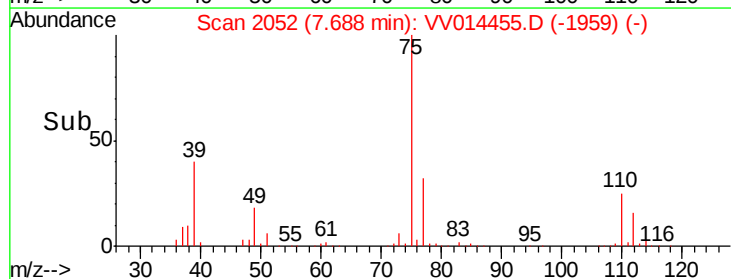
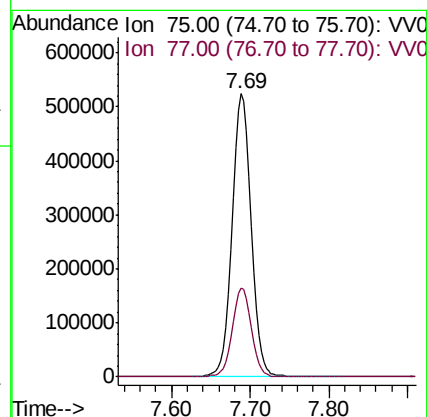
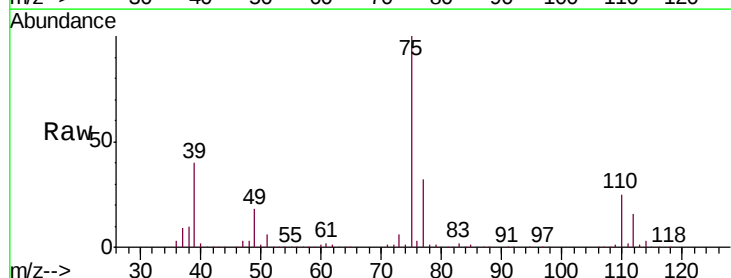
Acq: 31 Jan 2020 15:46

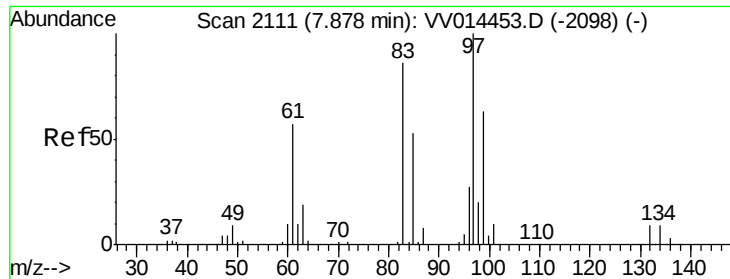
Tgt Ion: 75 Resp: 875731

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

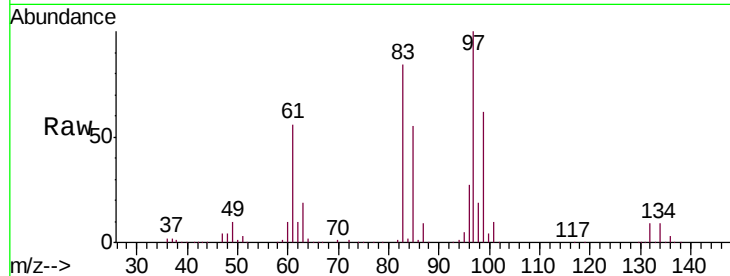




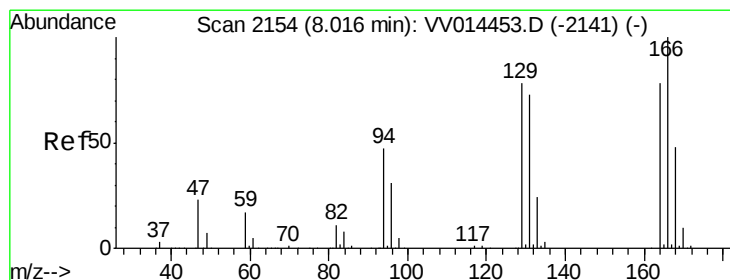
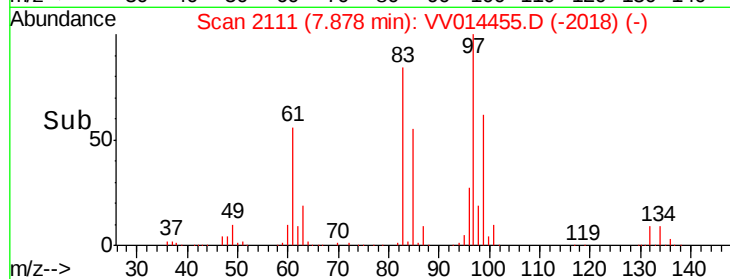
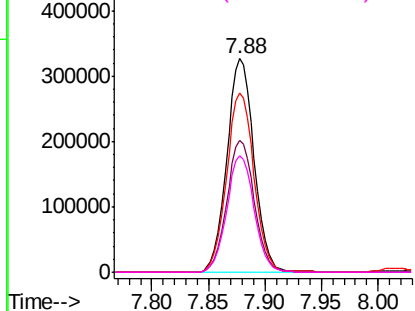
#45
 1,1,2-Trichloroethane
 Concen: 197.120 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014455.D
 Acq: 31 Jan 2020 15:46

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD20063

Tgt Ion:	97	Resp:	545132
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.8	81.3
83	84.1	60.0	111.4
85	54.6	37.2	69.0

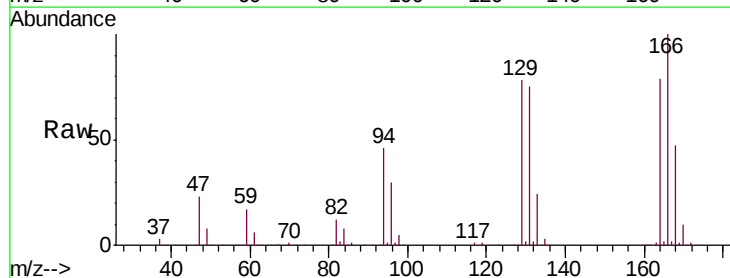


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

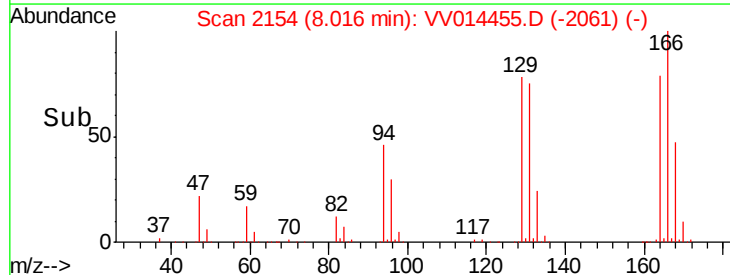
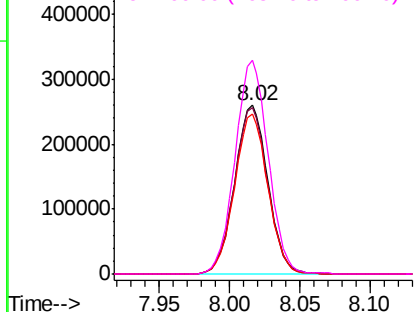


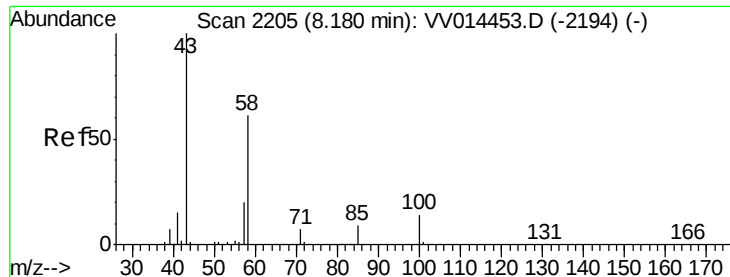
#46
 Tetrachloroethene
 Concen: 161.542 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014455.D
 Acq: 31 Jan 2020 15:46

Tgt Ion:	164	Resp:	429492
Ion	Ratio	Lower	Upper
164	100		
129	99.0	70.4	130.8
131	95.0	65.5	121.7
166	126.9	89.9	166.9



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

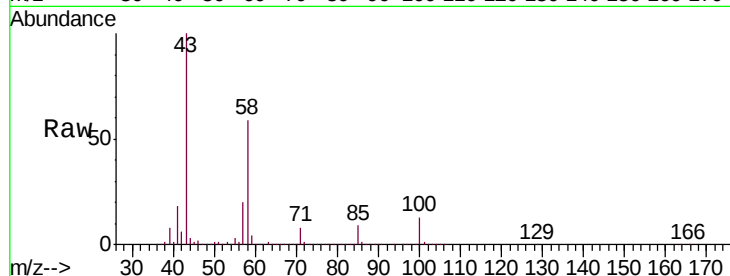




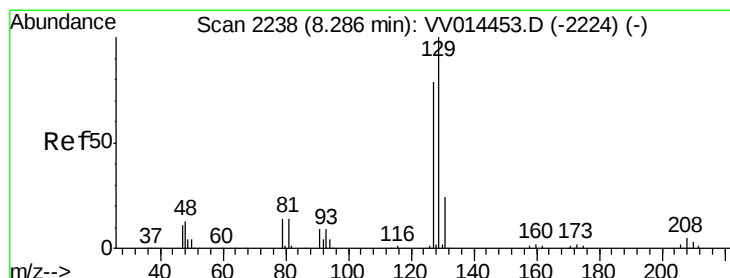
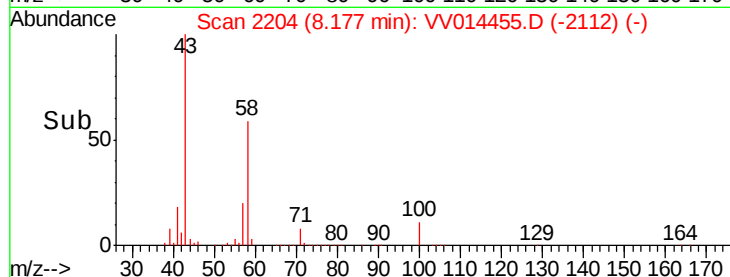
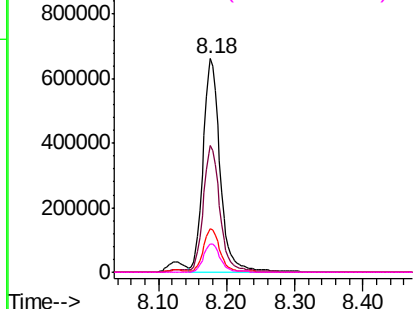
#48
2-Hexanone
Concen: 392.454 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion: 43 Resp: 1146671
Ion Ratio Lower Upper
43 100
58 58.6 48.0 72.0
57 19.9 15.0 22.6
100 13.3 10.4 15.6

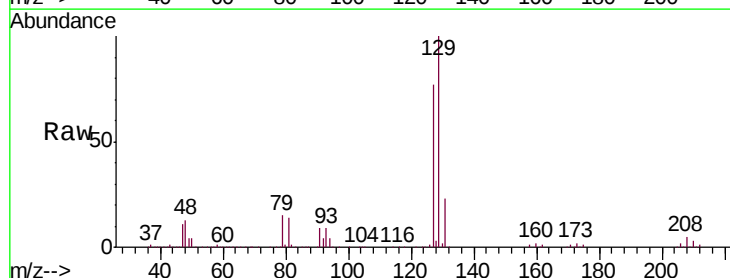


Abundance Ion 43.00 (42.70 to 43.70): VV014455.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV014455.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV014455.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV014455.D (-2194) (-)

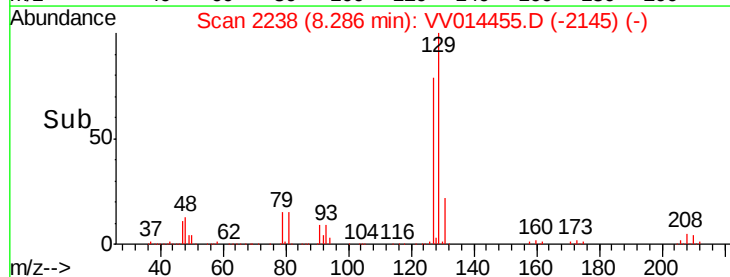
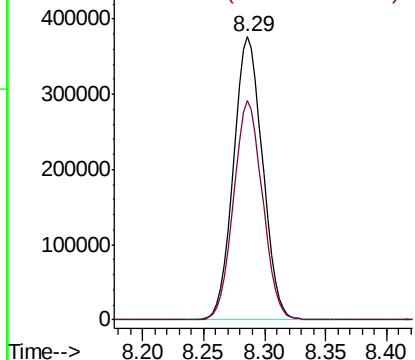


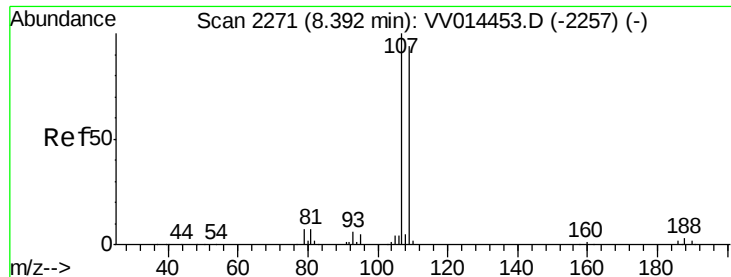
#49
Dibromochloromethane
Concen: 187.340 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Tgt Ion: 129 Resp: 623169
Ion Ratio Lower Upper
129 100
127 77.3 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): VV014455.D (-2224) (-)
Ion 127.00 (126.70 to 127.70): VV014455.D (-2224) (-)

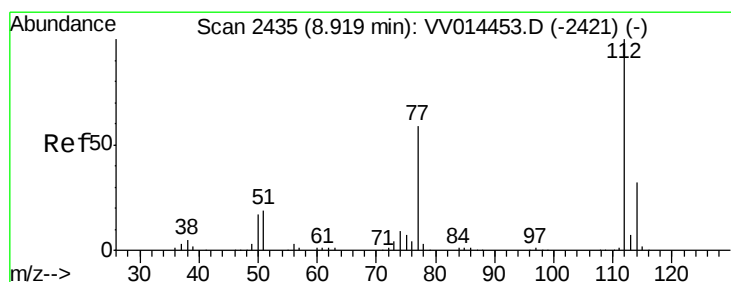
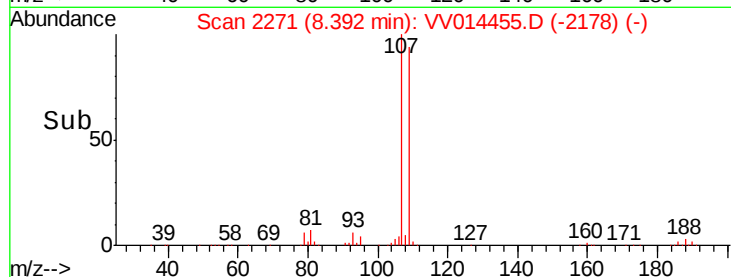
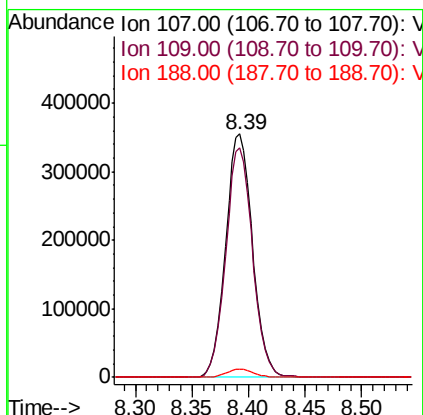
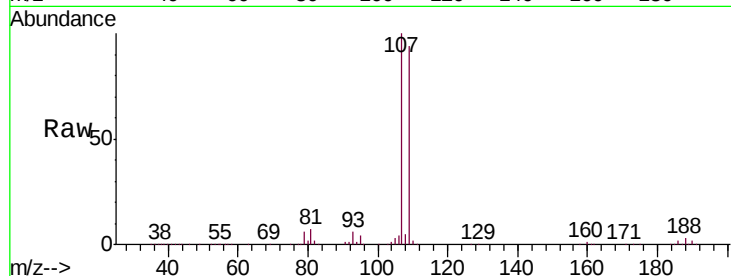




#50
1,2-Dibromoethane
Concen: 193.840 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

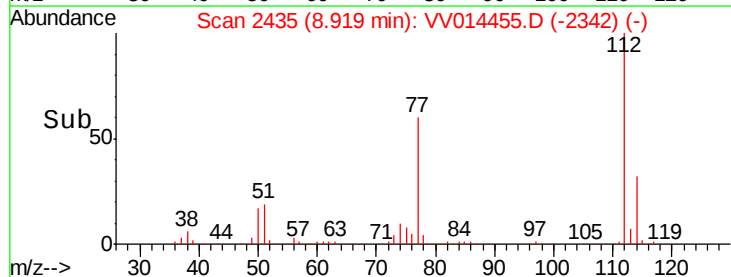
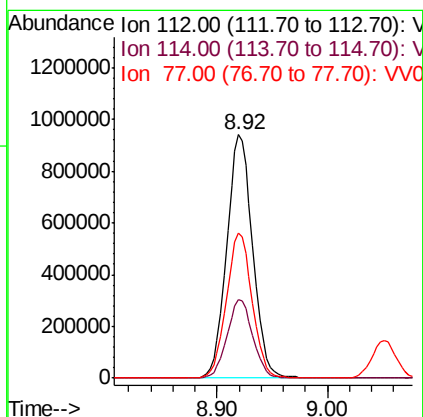
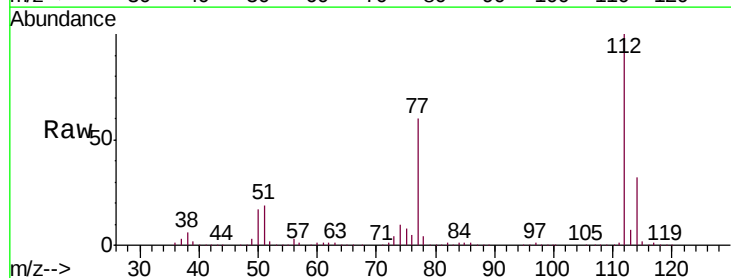
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

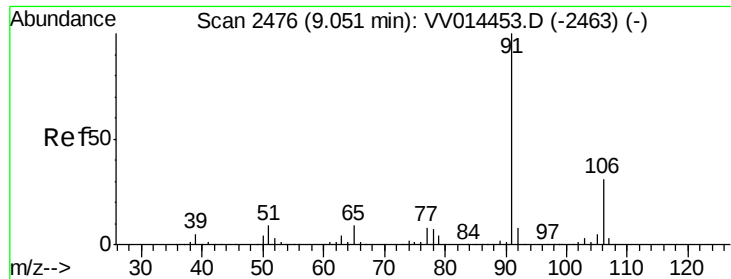
Tgt Ion:107 Resp: 586331
Ion Ratio Lower Upper
107 100
109 94.4 65.5 121.7
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 187.751 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Tgt Ion:112 Resp: 1528657
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 59.8 47.5 71.3





#52

Ethylbenzene

Concen: 202.817 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

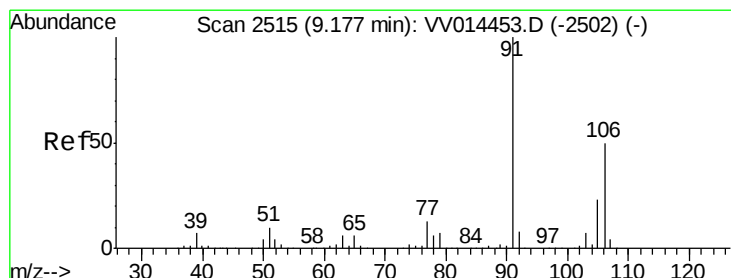
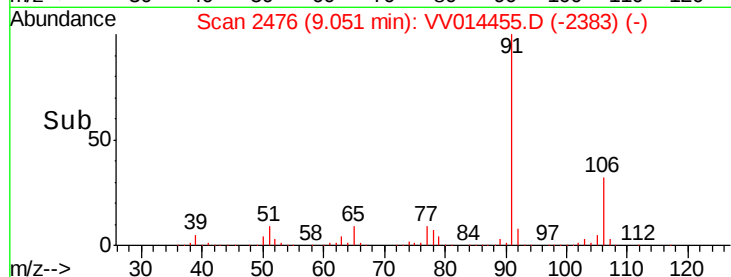
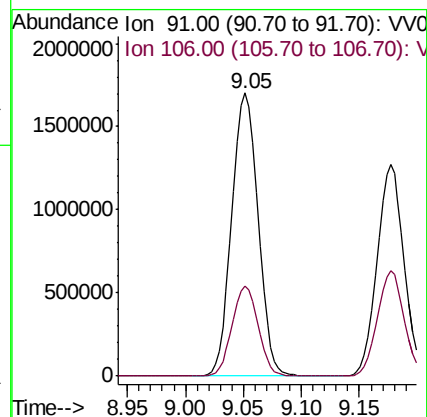
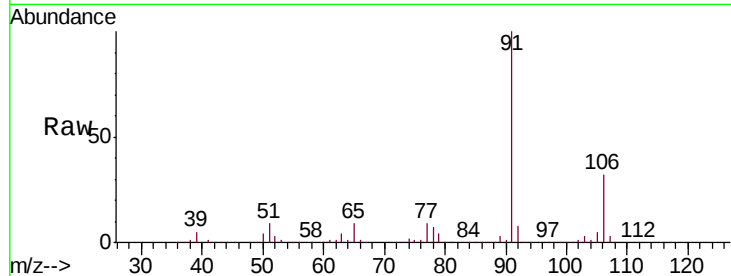
VSTD20063

Tgt Ion: 91 Resp: 2672845

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.6



#53

m,p-Xylene

Concen: 202.896 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014455.D

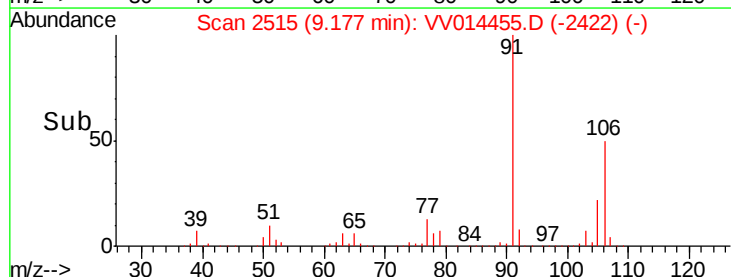
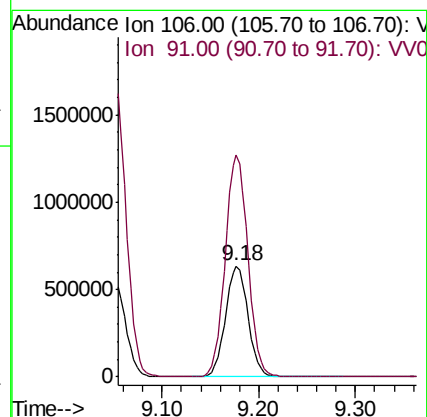
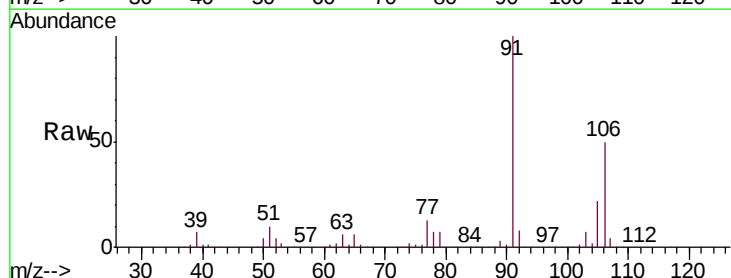
Acq: 31 Jan 2020 15:46

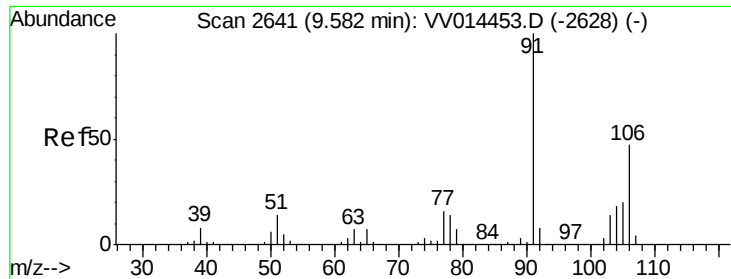
Tgt Ion: 106 Resp: 1025683

Ion Ratio Lower Upper

106 100

91 200.3 140.9 261.7

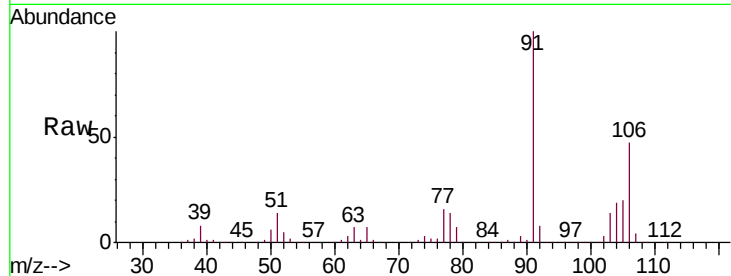




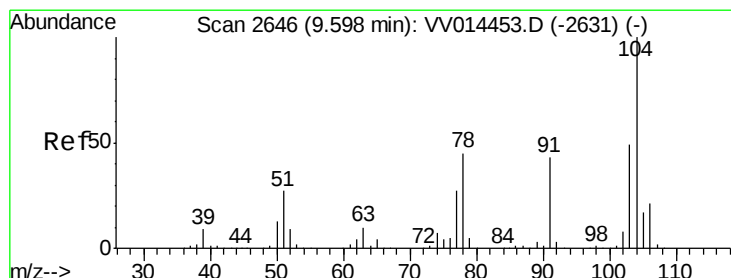
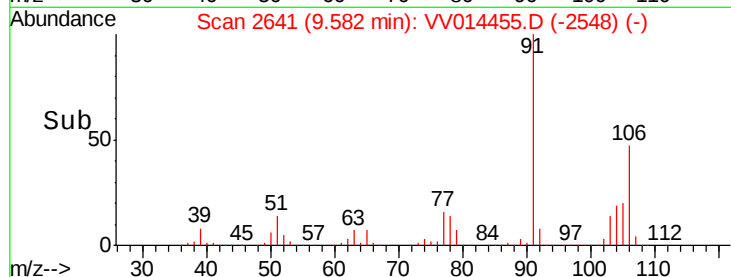
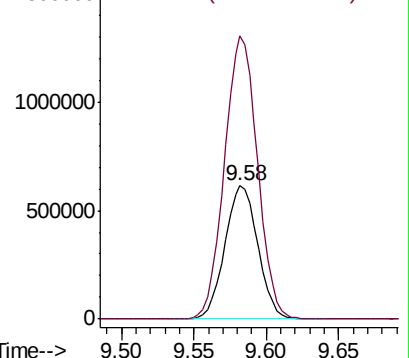
#54
o-xylene
Concen: 198.363 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion:106 Resp: 970706
Ion Ratio Lower Upper
106 100
91 212.0 150.4 279.2

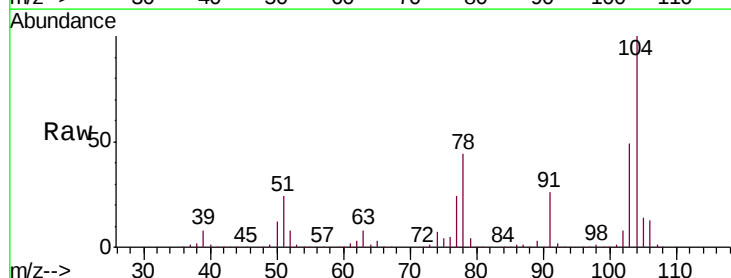


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

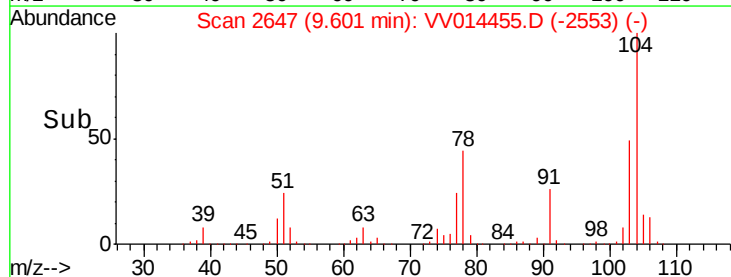
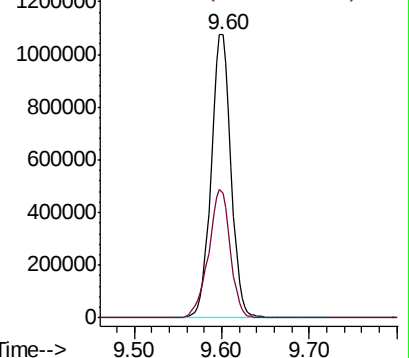


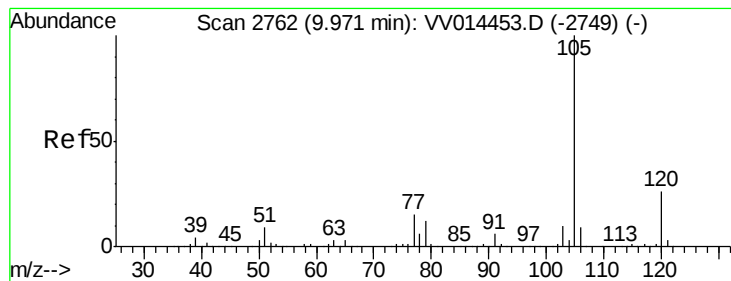
#55
Styrene
Concen: 201.184 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014455.D
Acq: 31 Jan 2020 15:46

Tgt Ion:104 Resp: 1685311
Ion Ratio Lower Upper
104 100
78 44.1 31.3 58.1



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





#56

Isopropylbenzene

Concen: 197.103 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

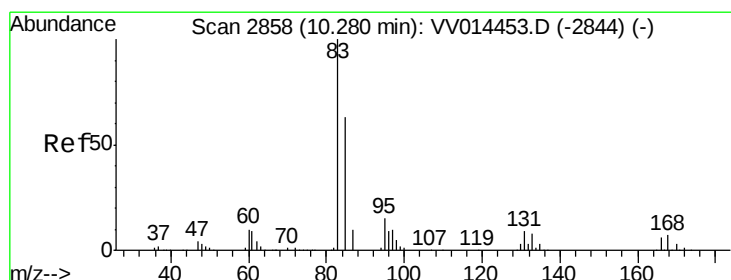
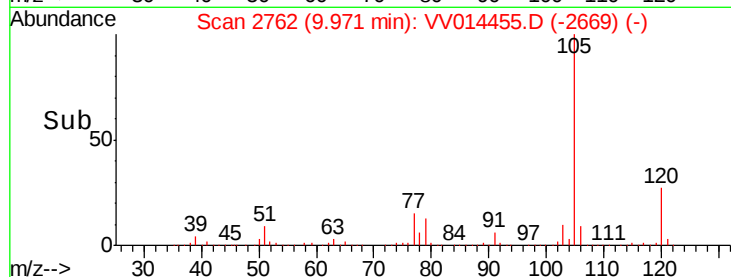
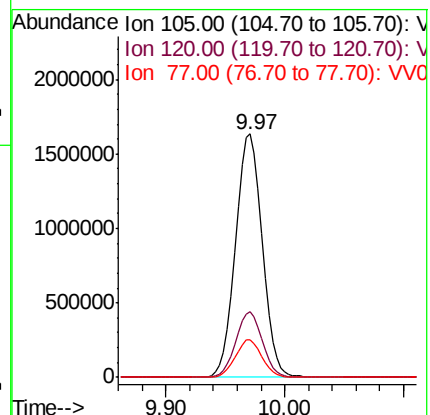
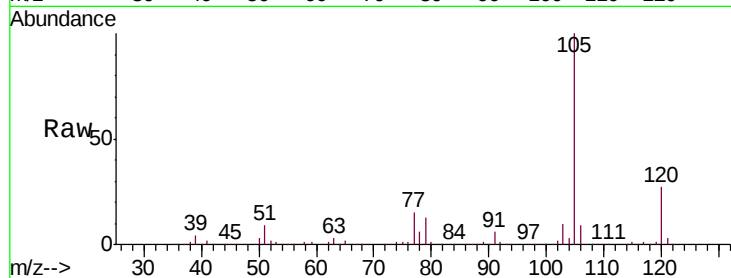
Tgt Ion:105 Resp: 2542129

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 15.3 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 195.489 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

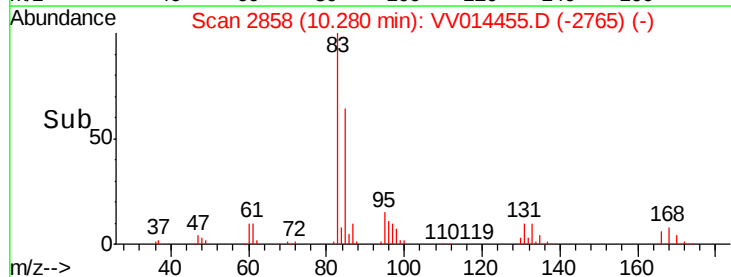
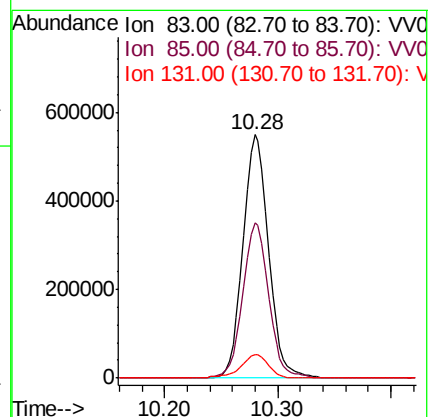
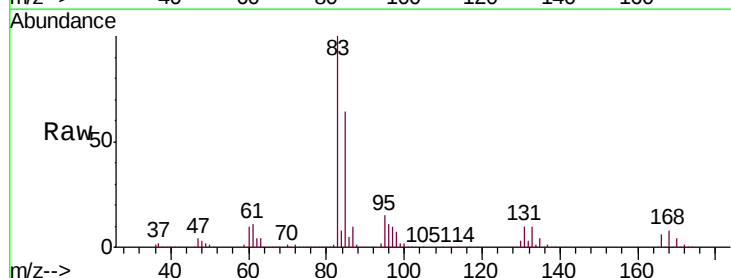
Tgt Ion: 83 Resp: 867186

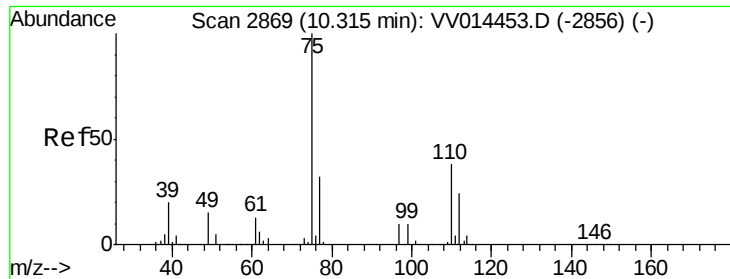
Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2

131 9.8 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 182.650 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

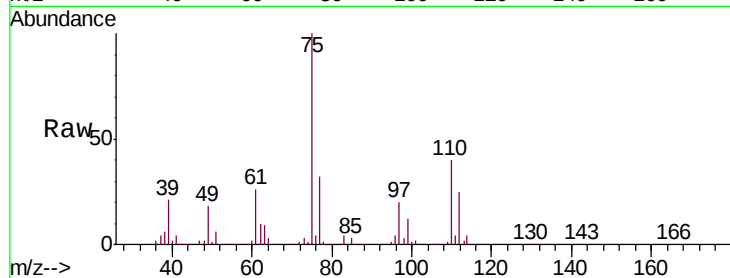
VSTD20063

Tgt Ion: 75 Resp: 671098

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014453.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014453.D (-2856) (-)

10.31

400000

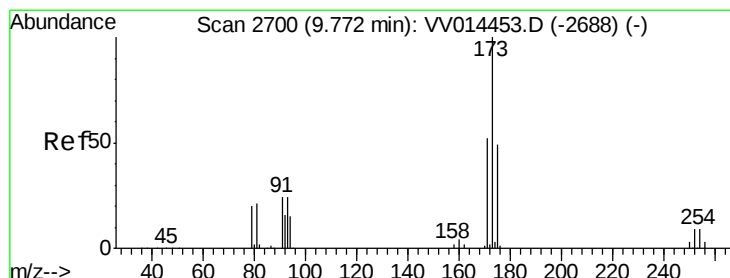
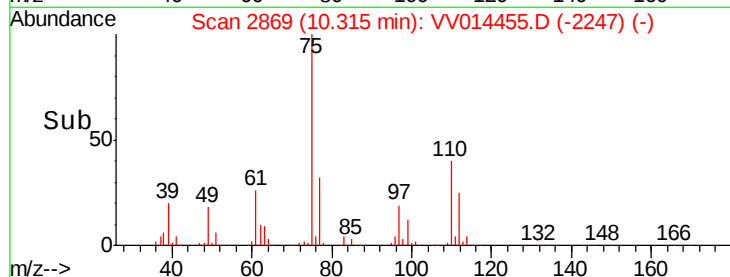
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 186.387 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

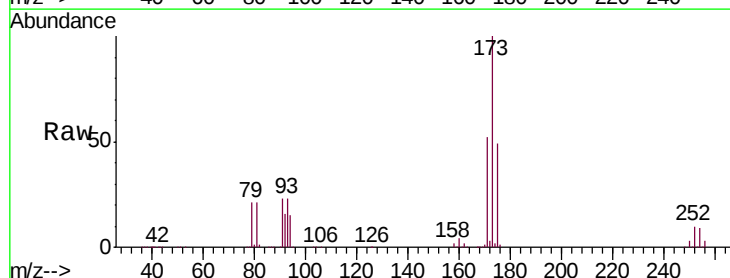
Tgt Ion: 173 Resp: 425003

Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

254 8.8 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VV014453.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014453.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014453.D (-2688) (-)

9.77

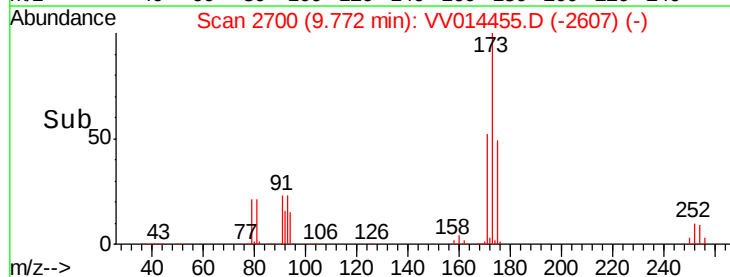
300000

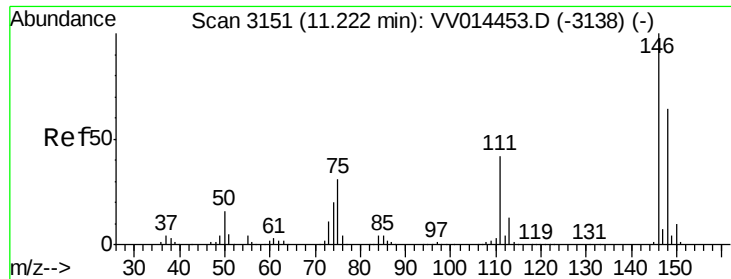
200000

100000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 188.233 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

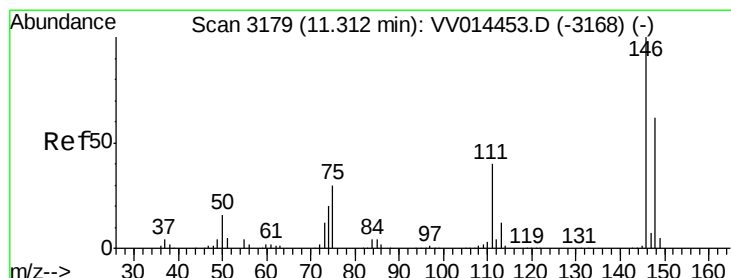
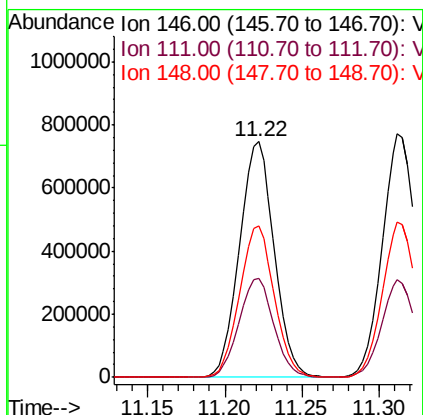
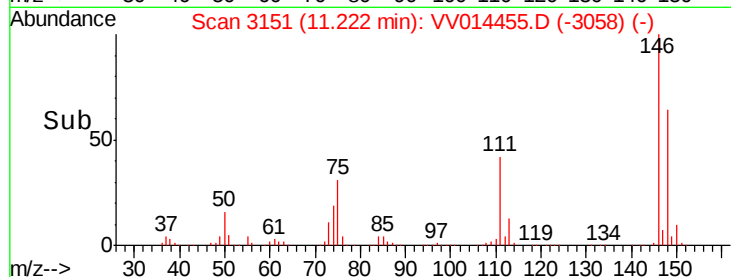
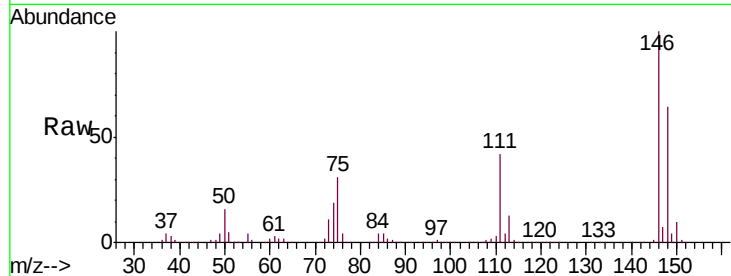
Tgt Ion:146 Resp: 1167263

Ion Ratio Lower Upper

146 100

111 42.0 29.3 54.3

148 64.1 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 185.480 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

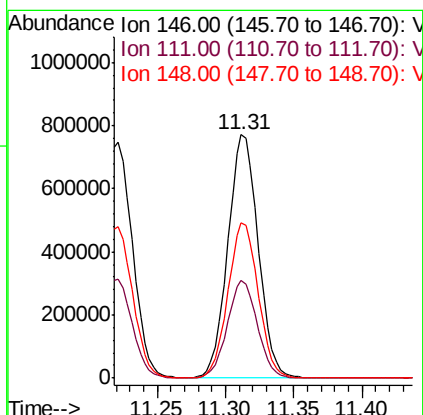
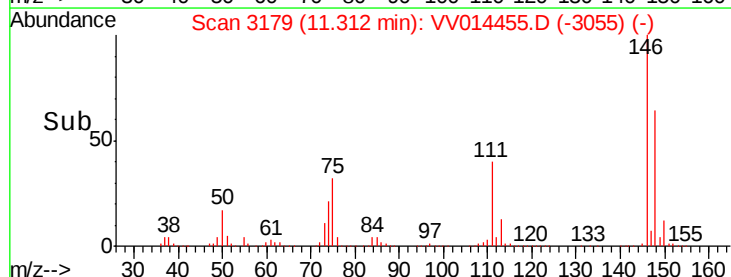
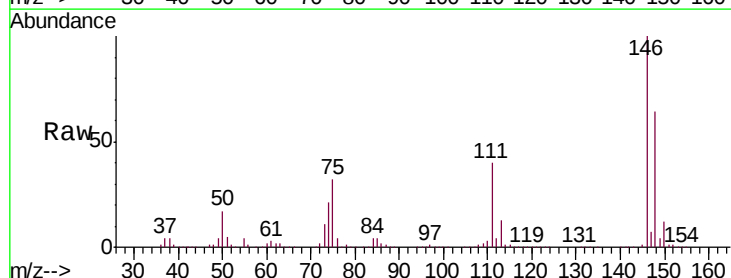
Tgt Ion:146 Resp: 1188154

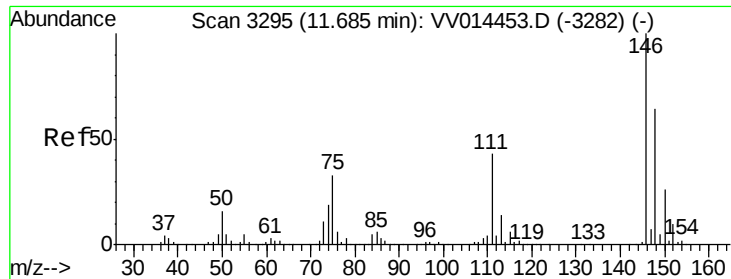
Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.1

148 63.6 43.5 80.9





#65

1,2-Dichlorobenzene

Concen: 183.735 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

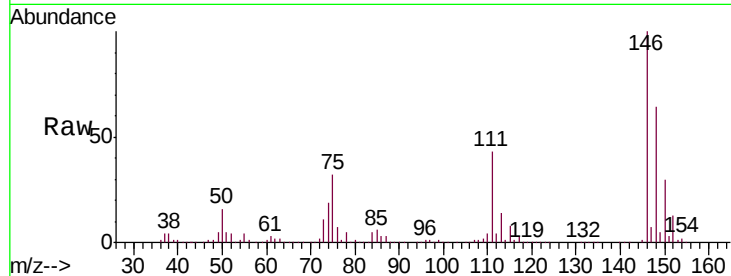
Tgt Ion:146 Resp: 1138681

Ion Ratio Lower Upper

146 100

111 43.3 34.6 51.8

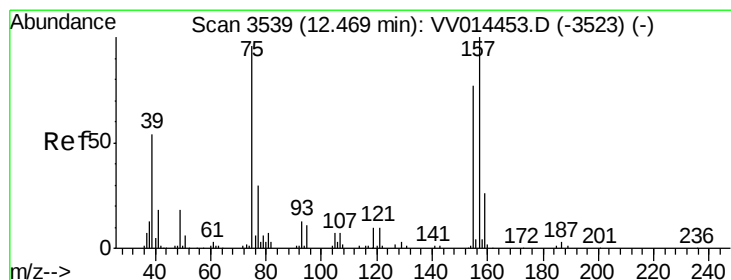
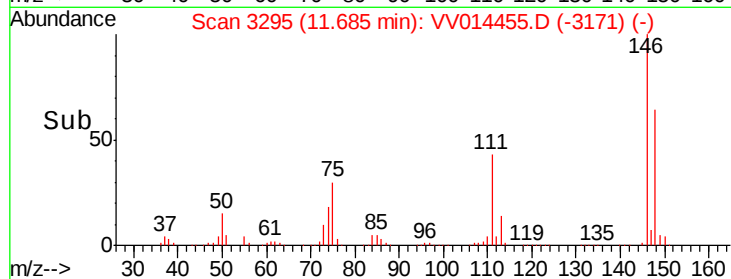
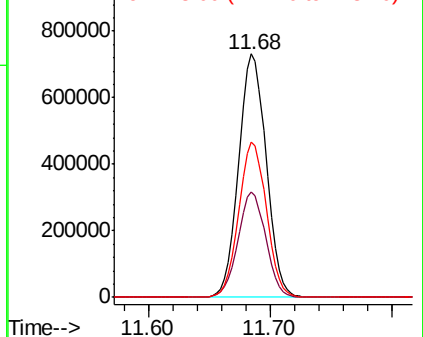
148 63.5 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 214.459 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

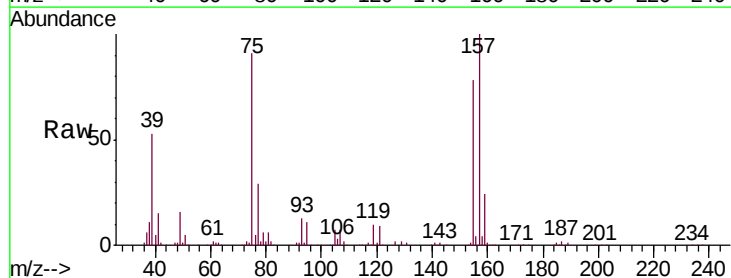
Tgt Ion: 75 Resp: 189761

Ion Ratio Lower Upper

75 100

155 86.1 64.2 96.2

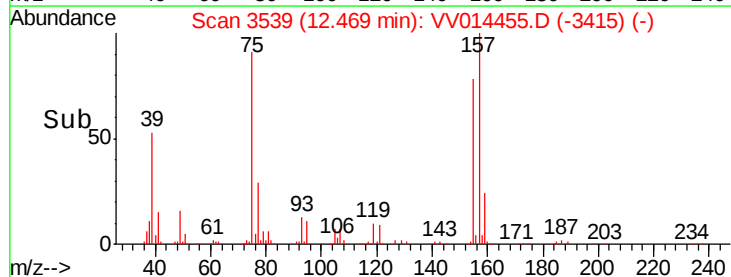
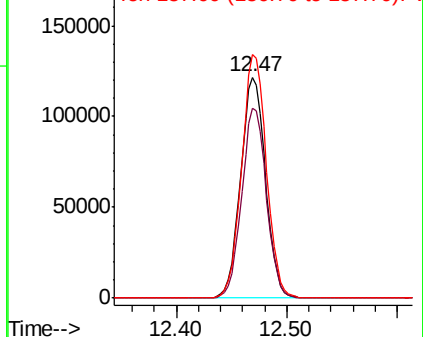
157 110.3 83.4 125.2

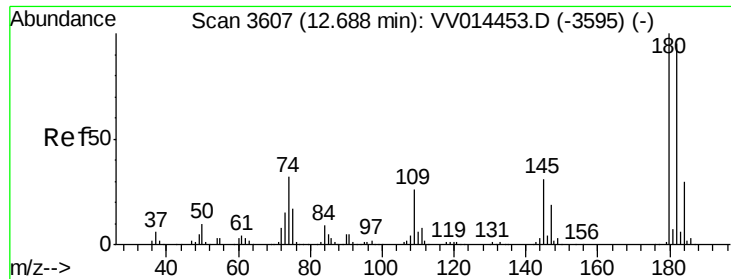


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 166.384 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion:180 Resp: 816704

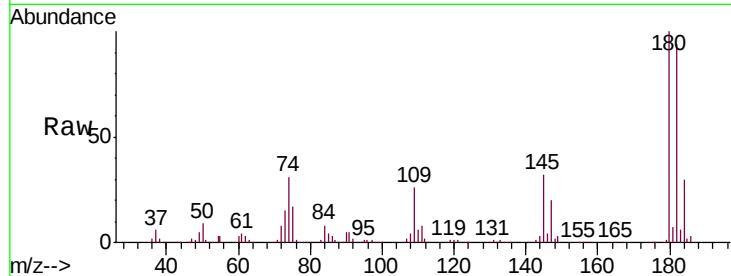
Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

184 30.0 24.2 36.2

145 31.8 25.4 38.2

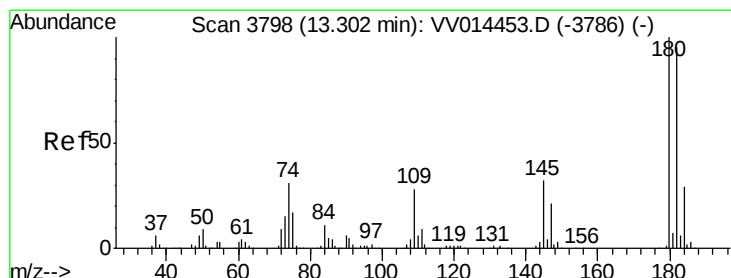
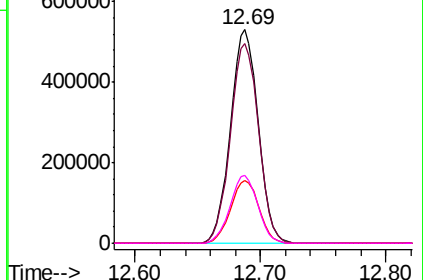
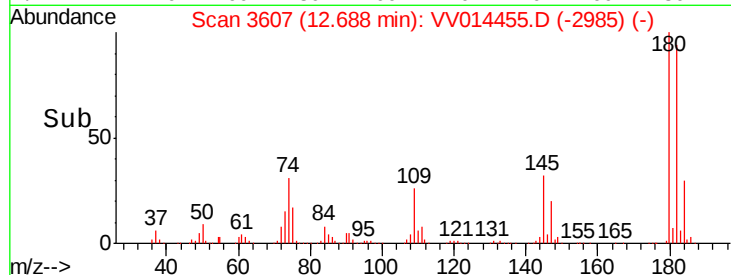


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 170.494 ug/L

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

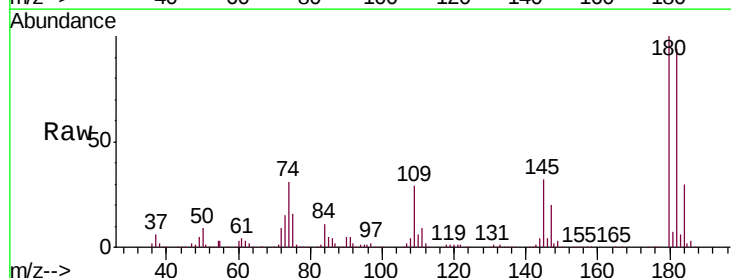
Tgt Ion:180 Resp: 762189

Ion Ratio Lower Upper

180 100

182 94.1 76.0 114.0

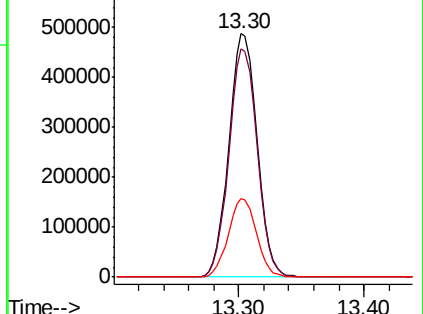
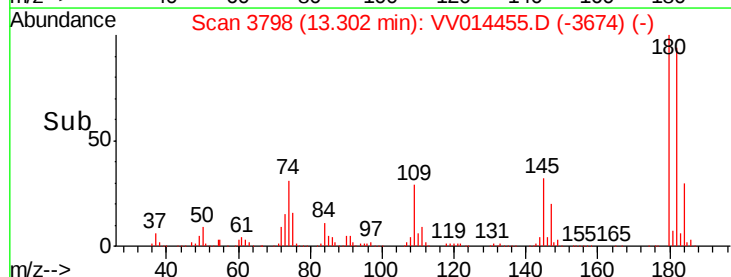
145 32.0 26.2 39.2

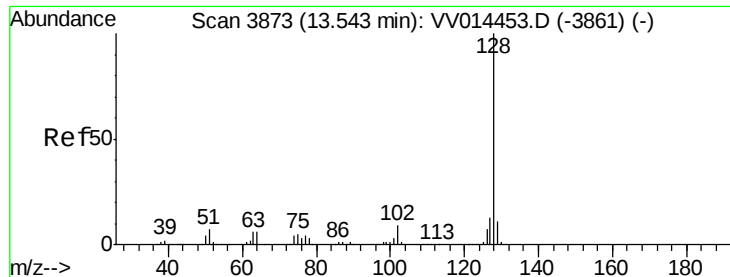


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 205.646 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

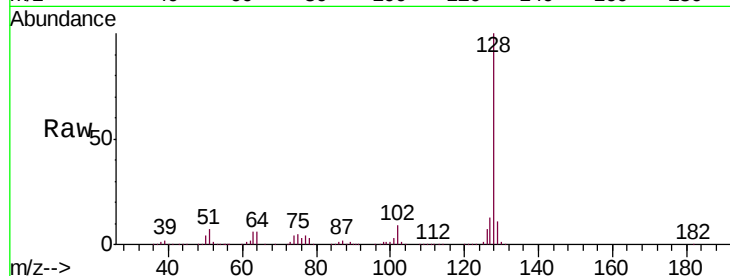
Tgt Ion:128 Resp: 2484029

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

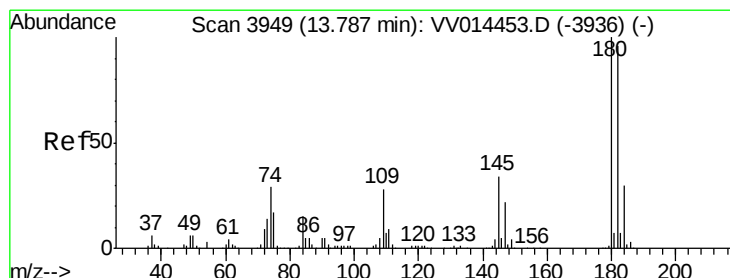
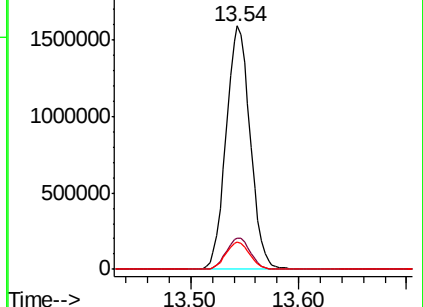
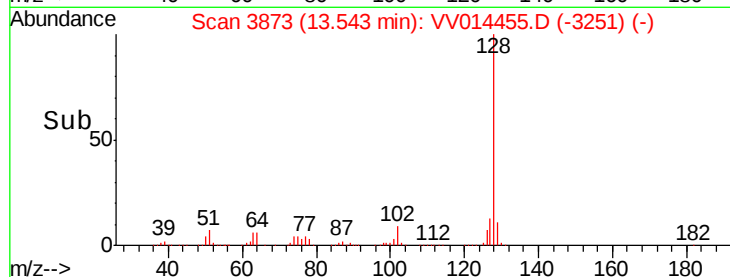
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 157.696 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014455.D

Acq: 31 Jan 2020 15:46

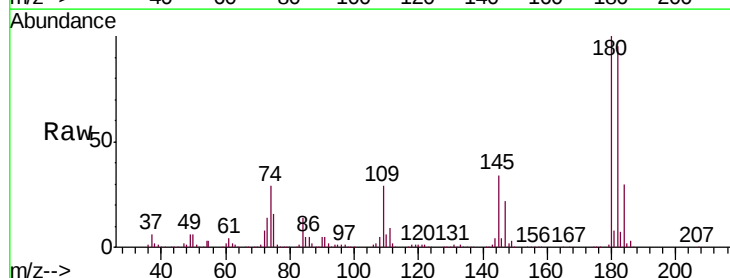
Tgt Ion:180 Resp: 721779

Ion Ratio Lower Upper

180 100

182 95.6 77.5 116.3

145 34.1 27.8 41.6



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

