

Data File : VV010628.D
Acq On : 02 May 2019 13:18
Operator : SY/MD
Sample : VSTD10064
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Quant Time: May 02 13:55:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 12:45:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182717	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95784	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185195	73.57	ug/L	0.00
7) Chloroethane-d5	1.56	69	128271	65.51	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	328193	69.83	ug/L	0.00
20) 2-Butanone-d5	3.93	46	145044	246.41	ug/L	0.00
24) Chloroform-d	4.40	84	429943	96.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	241310	88.09	ug/L	0.00
29) Benzene-d6	5.10	84	882746	103.18	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	269902	106.97	ug/L	0.00
37) Toluene-d8	7.36	98	873577	99.13	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	125716	101.17	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	115215	229.85	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	256295	104.24	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	336696	92.49	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	227398	81.596	ug/L	100
3) Chloromethane	1.25	50	200027	86.508	ug/L	99
5) Vinyl chloride	1.32	62	184397	67.494	ug/L	99
6) Bromomethane	1.51	94	80543	56.553	ug/L	99
8) Chloroethane	1.58	64	97593	63.537	ug/L	99
9) Trichlorofluoromethane	1.76	101	318394	68.219	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	161649	61.859	ug/L	98
12) 1,1-Dichloroethene	2.13	96	141889	61.669	ug/L	98
13) Acetone	2.19	43	85861	136.094	ug/L	99
14) Carbon disulfide	2.31	76	486139	94.545	ug/L	100
15) Methyl Acetate	2.46	43	108008	115.018	ug/L	99
16) Methylene chloride	2.53	84	205079	76.535	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	517145	94.816	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	194850	95.750	ug/L	97
19) 1,1-Dichloroethane	3.23	63	357247	98.236	ug/L	100
21) 2-Butanone	4.01	43	155807	231.719	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	227204	99.035	ug/L	97
23) Bromochloromethane	4.30	128	106087	95.849	ug/L	98
25) Chloroform	4.42	83	392035	89.721	ug/L	99
27) 1,2-Dichloroethane	5.18	62	261328	85.266	ug/L	98
30) Cyclohexane	4.72	56	297938	90.758	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	328807	83.028	ug/L	98
32) Carbon tetrachloride	4.87	117	298322	79.476	ug/L	100
34) Benzene	5.14	78	811658	99.100	ug/L	100
35) Trichloroethene	5.96	95	223826	90.115	ug/L	99
36) Methylcyclohexane	6.18	83	337170	90.868	ug/L	96
40) 1,2-Dichloropropane	6.22	63	211160	104.759	ug/L	99
41) Bromodichloromethane	6.55	83	293249	94.323	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	339604	102.027	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	333945	223.089	ug/L	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	923245	93.280	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	300761	98.961	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	183963	101.759	ug/L	97
47) Tetrachloroethene	8.02	164	175651	79.673	ug/L	97
49) 2-Hexanone	8.18	43	250341	235.561	ug/L	98
50) Dibromochloromethane	8.29	129	232980	95.598	ug/L	100
51) 1,2-Dibromoethane	8.40	107	176462	93.030	ug/L	98
52) Chlorobenzene	8.93	112	625410	90.131	ug/L	99
53) Ethylbenzene	9.05	91	1047290	90.499	ug/L	100
54) m,p-Xylene	9.18	106	412281	90.881	ug/L	97
55) o-xylene	9.59	106	402443	89.059	ug/L	99
56) Styrene	9.60	104	692504	92.884	ug/L	100
57) Isopropylbenzene	9.97	105	1049378	85.956	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	238417	101.801	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	170316	98.154	ug/L	100
62) Bromoform	9.77	173	140594	98.008	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	510810	91.191	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	522368	91.093	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	501354	92.101	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	39748	110.174	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	388454	86.780	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	332139	98.361	ug/L	100
69) Naphthalene	13.55	128	731635	134.809	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	317154	101.474	ug/L	96

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

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VSTD10064

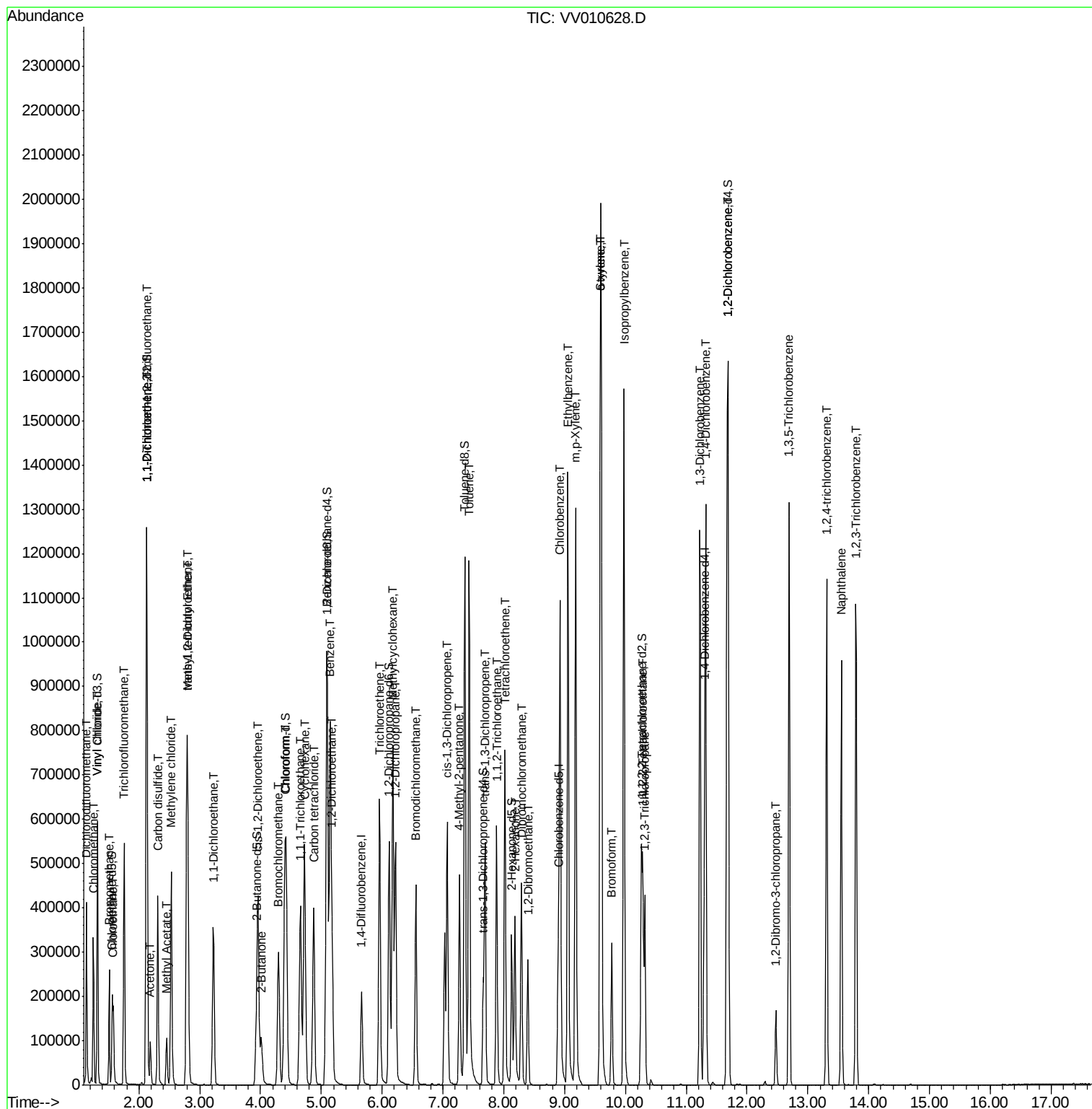
Quant Time: May 02 13:55:38 2019

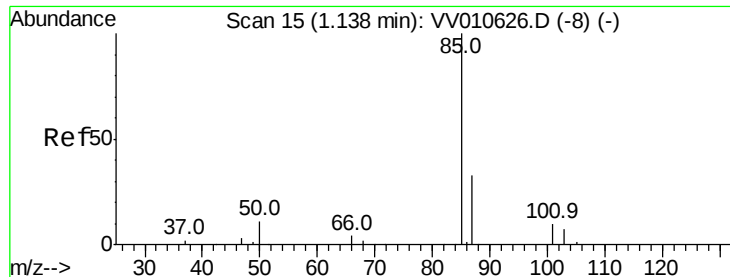
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050219S.M

Quant Title : VOC Analysis

QLast Update : Thu May 02 12:45:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 81.596 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

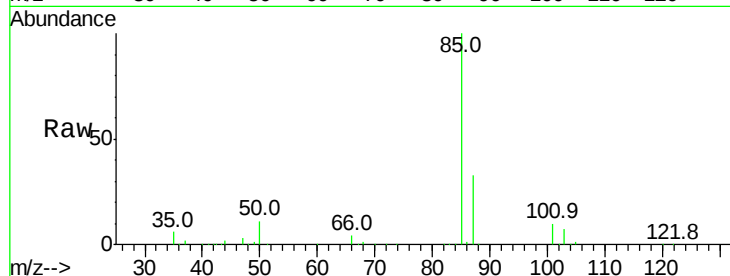
VSTD10064

Tgt Ion: 85 Resp: 227398

Ion Ratio Lower Upper

85 100

87 32.8 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV010628.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010628.D (-8) (-)

1.14

250000

200000

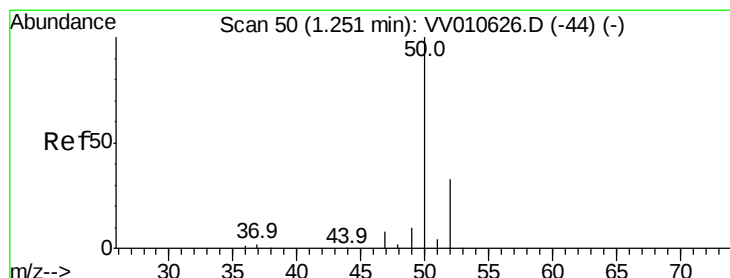
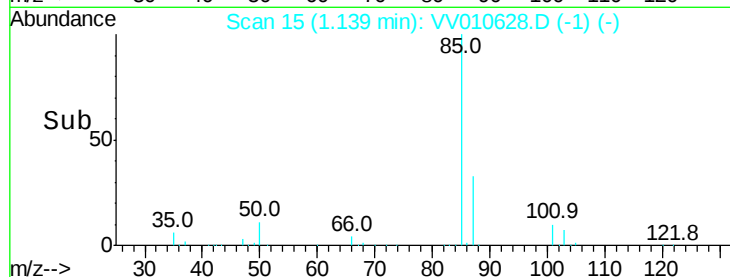
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 86.508 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010628.D

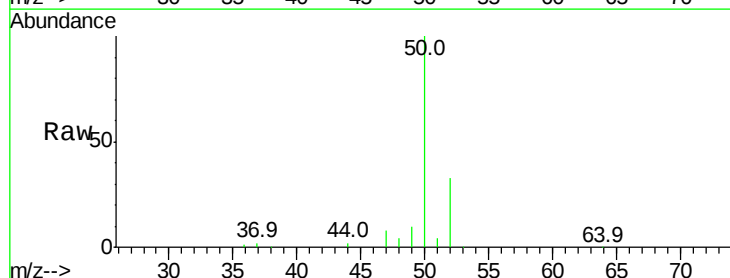
Acq: 02 May 2019 13:18

Tgt Ion: 50 Resp: 200027

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010628.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010628.D (-44) (-)

1.25

200000

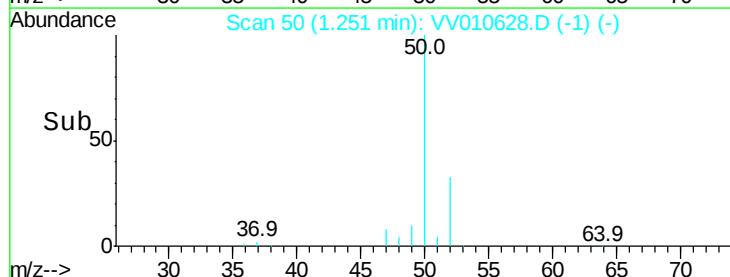
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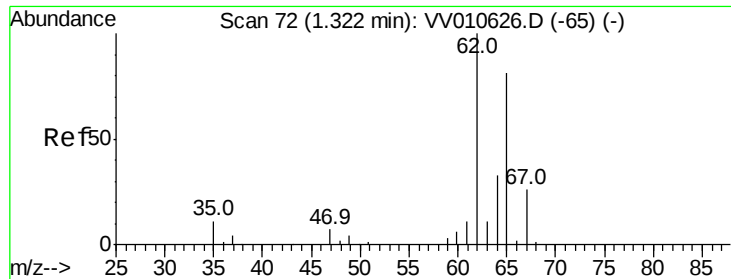
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 67.494 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

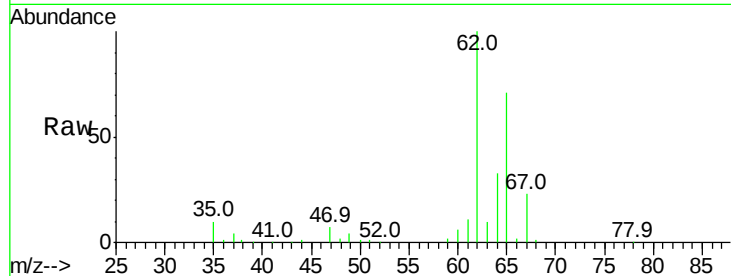
VSTD10064

Tgt Ion: 62 Resp: 184397

Ion Ratio Lower Upper

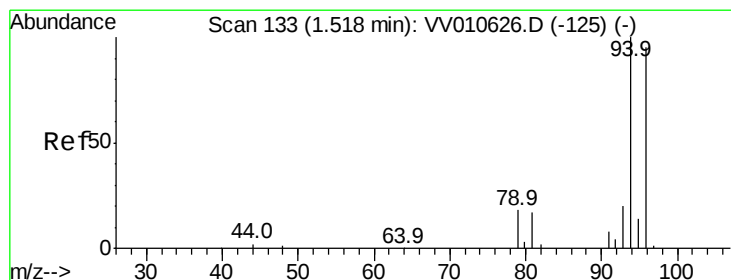
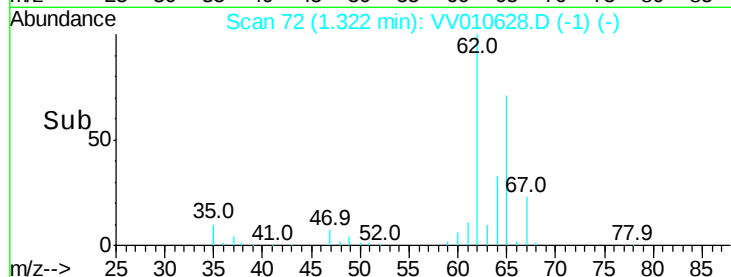
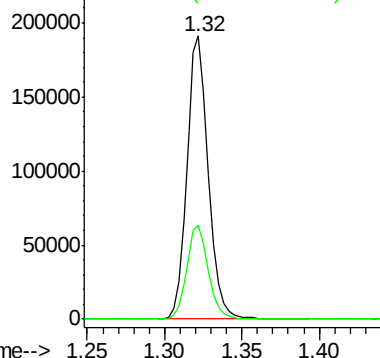
62 100

64 33.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 56.553 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV010628.D

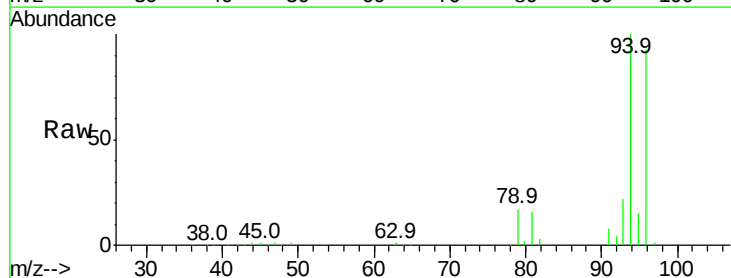
Acq: 02 May 2019 13:18

Tgt Ion: 94 Resp: 80543

Ion Ratio Lower Upper

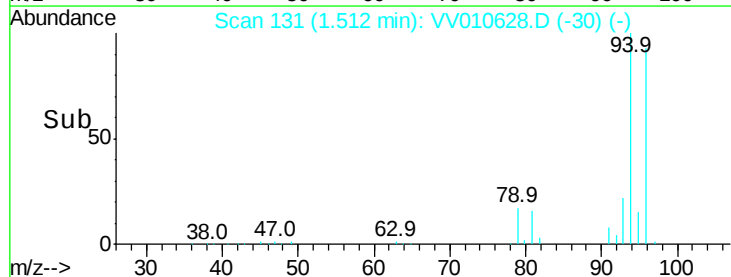
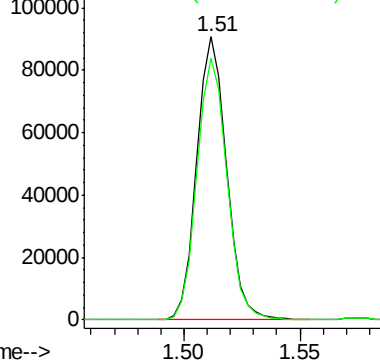
94 100

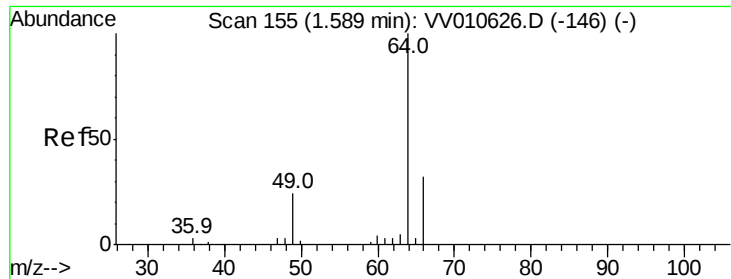
96 93.5 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 63.537 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

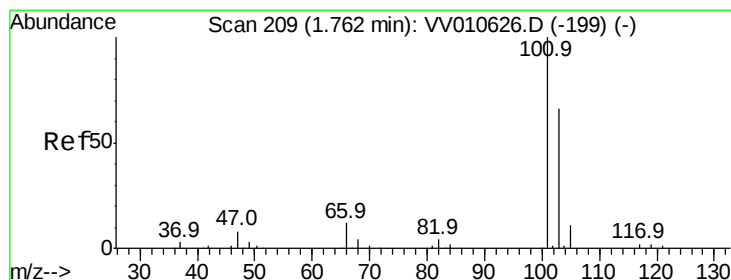
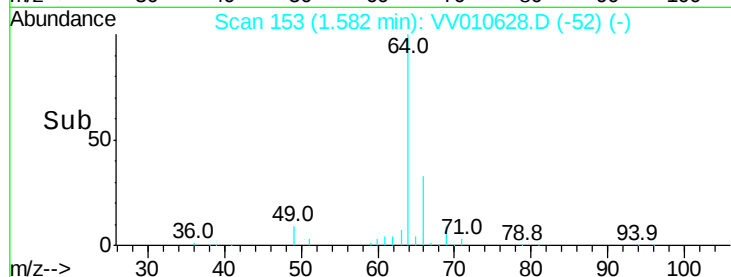
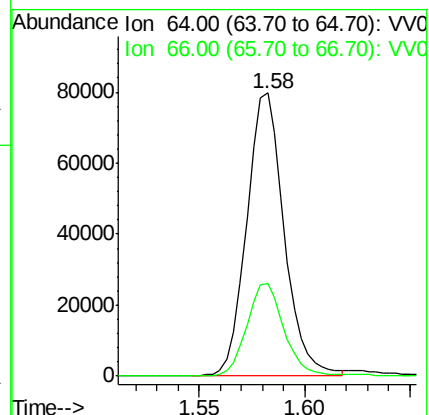
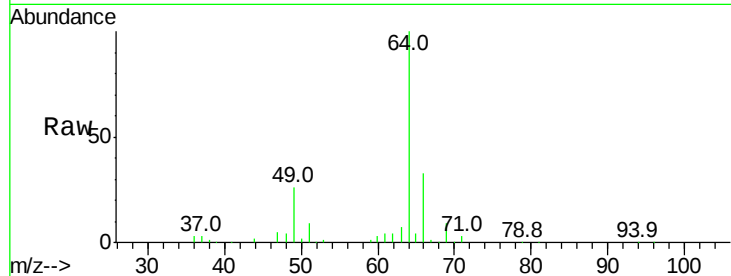
VSTD10064

Tgt Ion: 64 Resp: 97593

Ion Ratio Lower Upper

64 100

66 32.7 22.5 41.7



#9

Trichlorofluoromethane

Concen: 68.219 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV010628.D

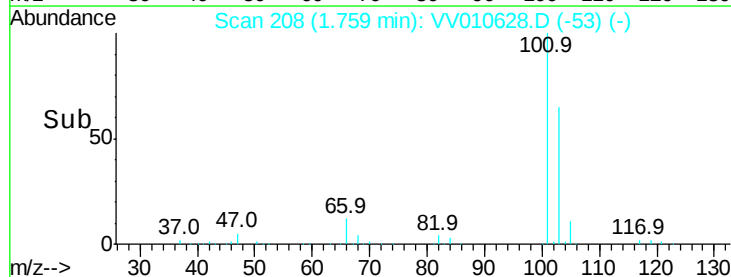
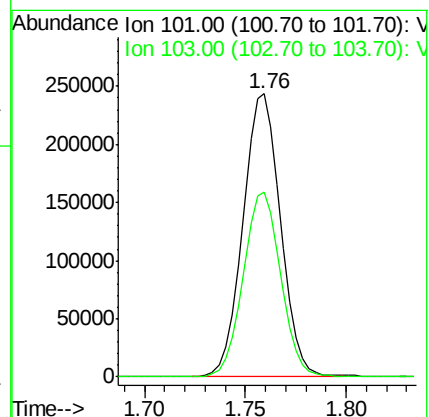
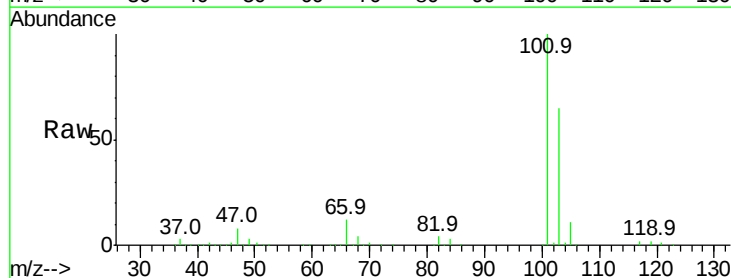
Acq: 02 May 2019 13:18

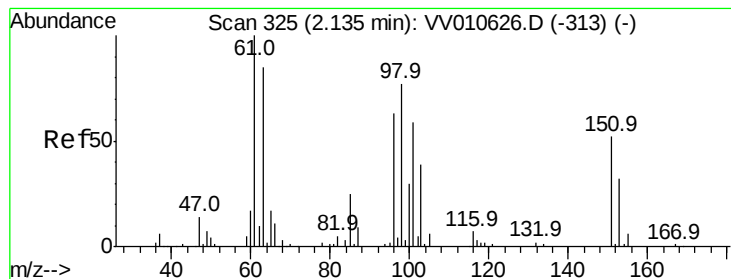
Tgt Ion: 101 Resp: 318394

Ion Ratio Lower Upper

101 100

103 65.1 45.1 83.9





#11

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

Concen: 61.859 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

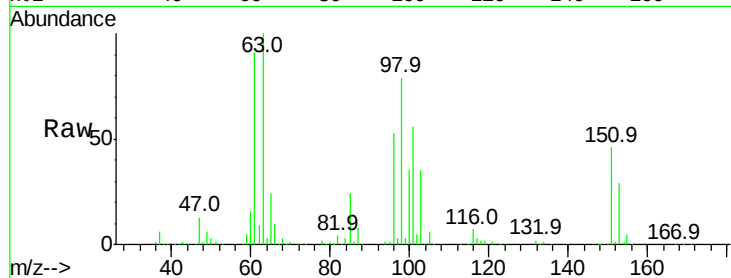
Tgt Ion: 101 Resp: 161649

Ion Ratio Lower Upper

101 100

85 43.3 34.6 51.8

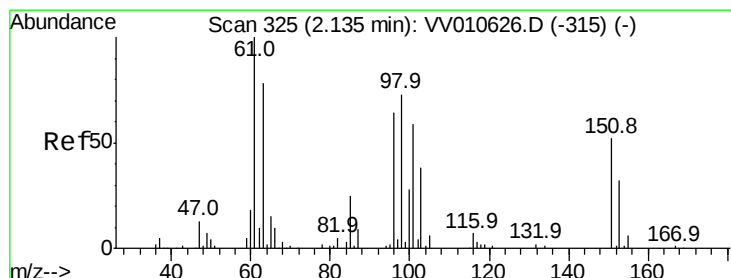
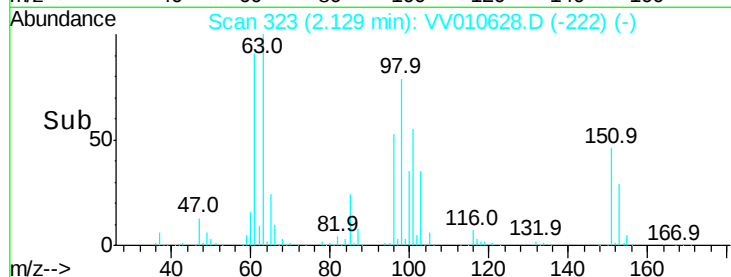
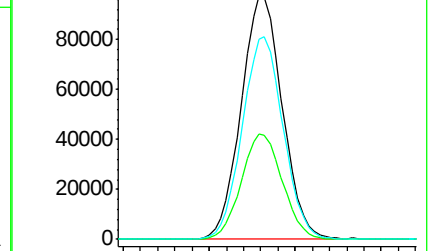
151 83.4 68.6 103.0



Abundance Ion 101.00 (100.70 to 101.70): VV010628.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV010628.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV010628.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 61.669 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

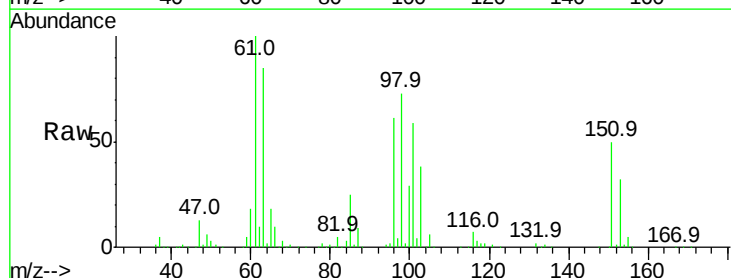
Tgt Ion: 96 Resp: 141889

Ion Ratio Lower Upper

96 100

61 162.7 111.1 206.3

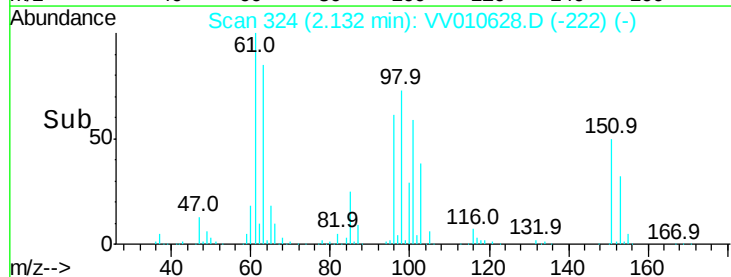
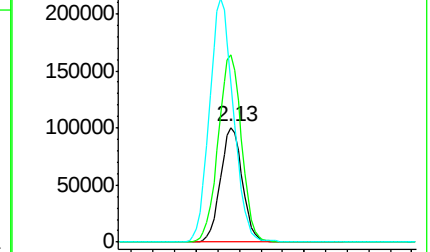
63 138.1 95.2 176.8

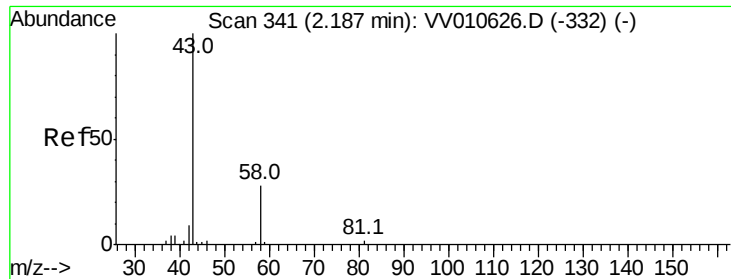


Abundance Ion 96.00 (95.70 to 96.70): VV010628.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV010628.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV010628.D (-222) (-)





#13

Acetone

Concen: 136.094 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

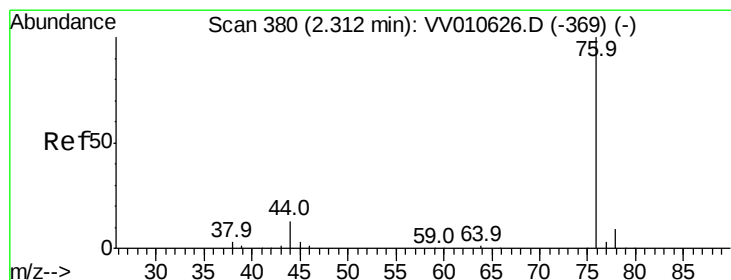
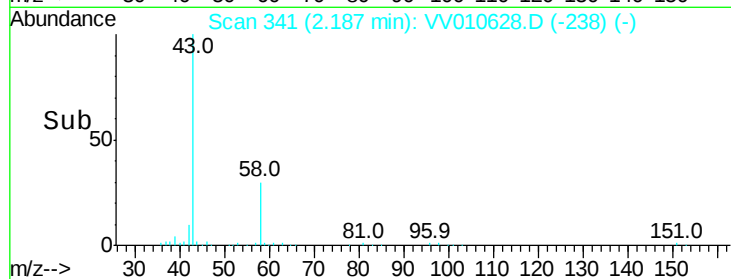
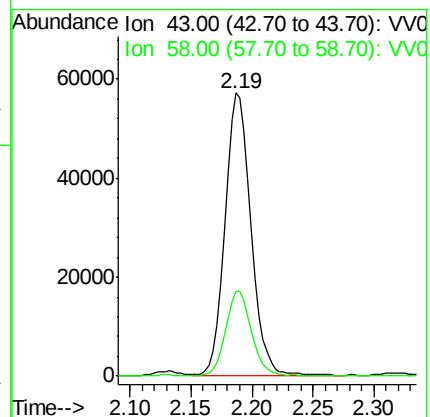
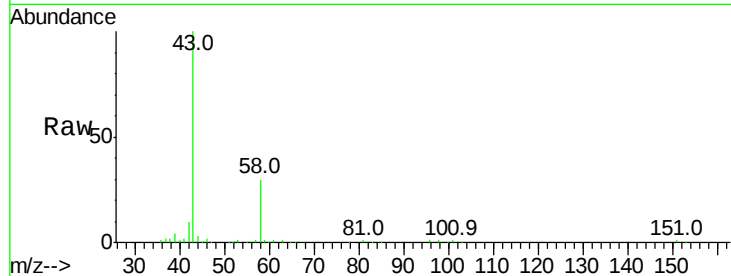
VSTD10064

Tgt Ion: 43 Resp: 85861

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.2



#14

Carbon disulfide

Concen: 94.545 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010628.D

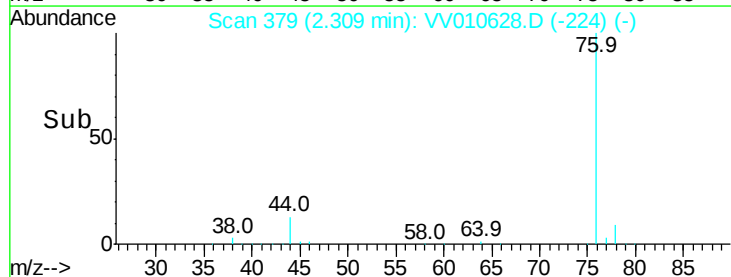
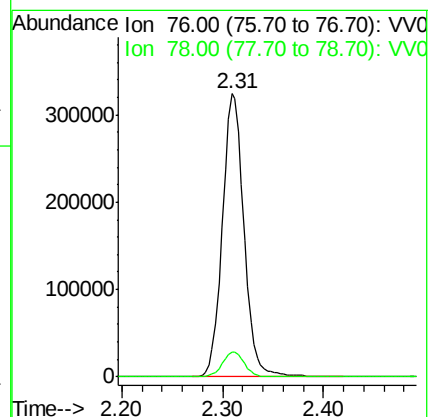
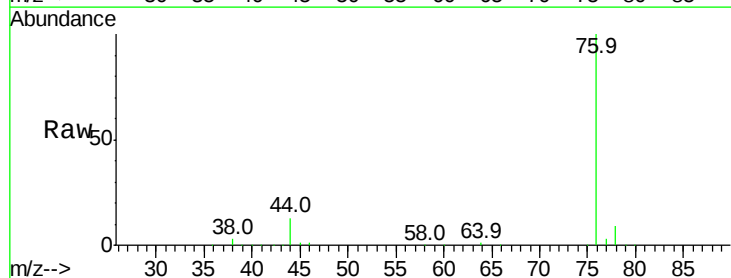
Acq: 02 May 2019 13:18

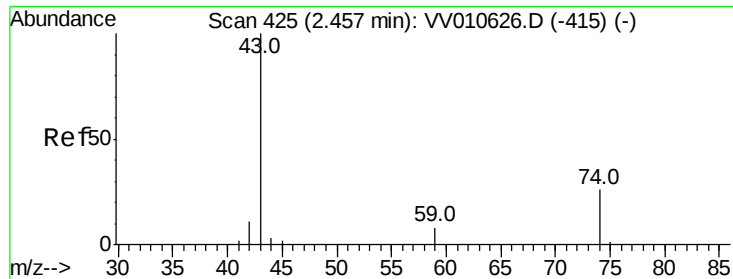
Tgt Ion: 76 Resp: 486139

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

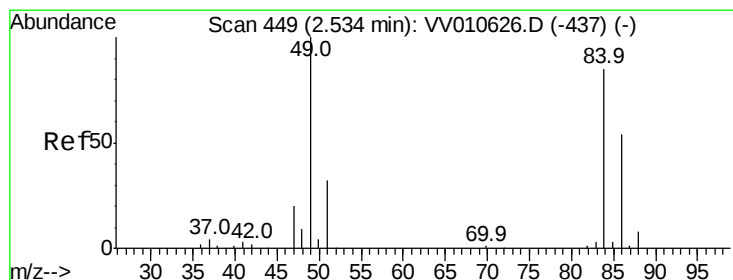
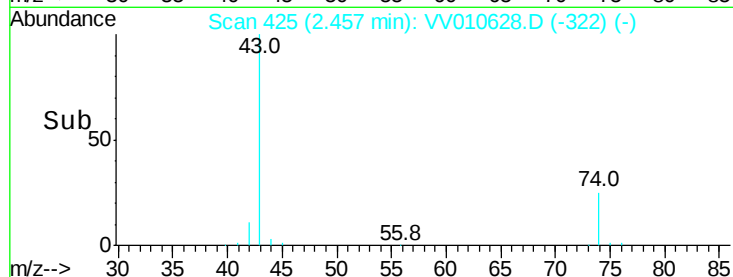
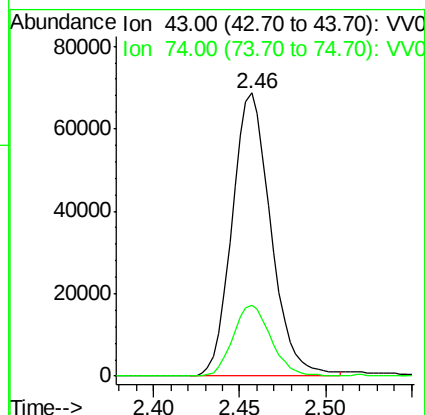
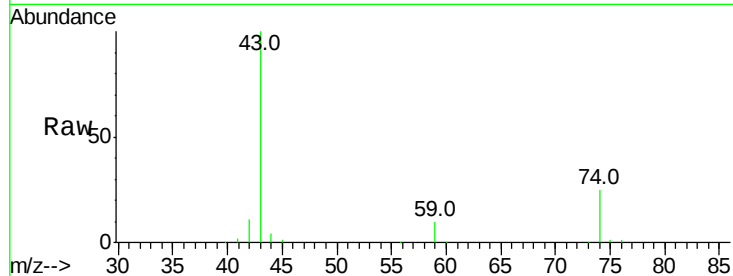




#15
Methyl Acetate
Concen: 115.018 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

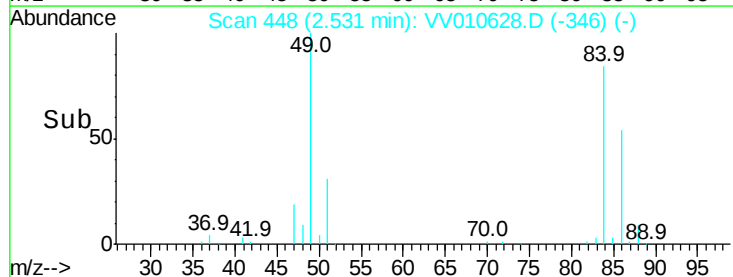
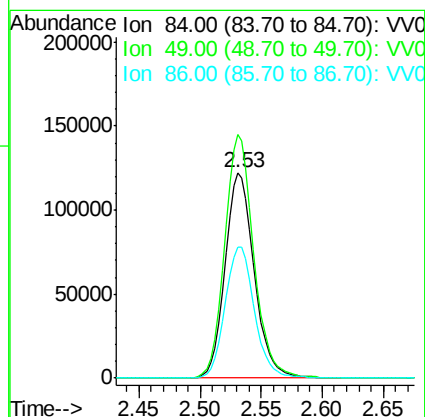
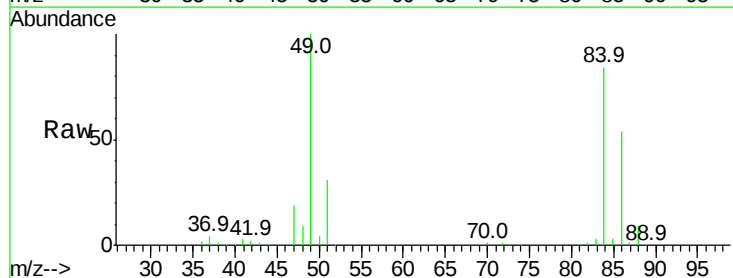
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

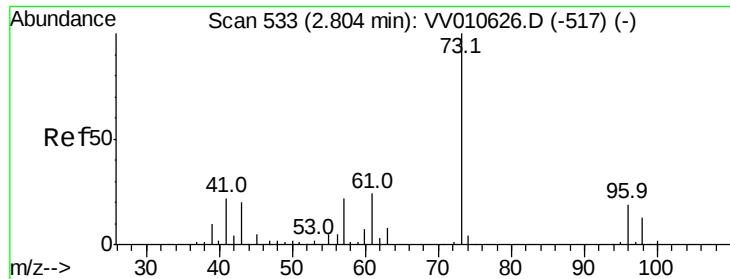
Tgt Ion: 43 Resp: 108008
Ion Ratio Lower Upper
43 100
74 24.5 20.0 30.0



#16
Methylene chloride
Concen: 76.535 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 84 Resp: 205079
Ion Ratio Lower Upper
84 100
49 118.7 81.9 152.1
86 63.7 44.0 81.6

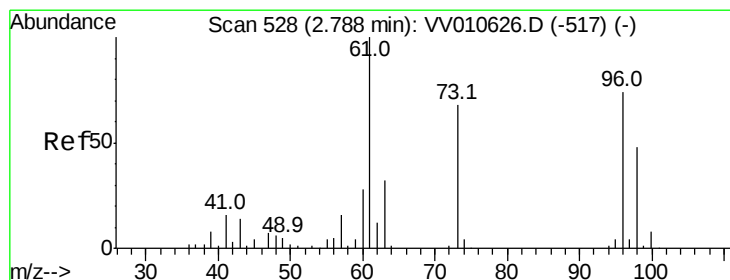
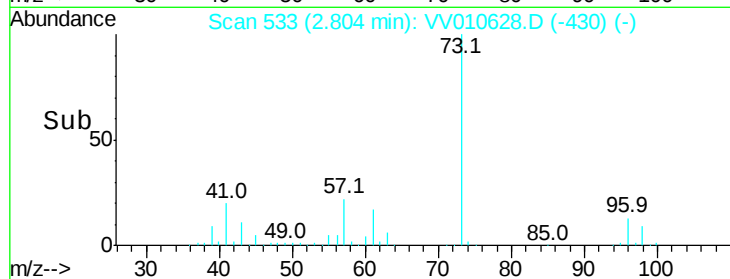
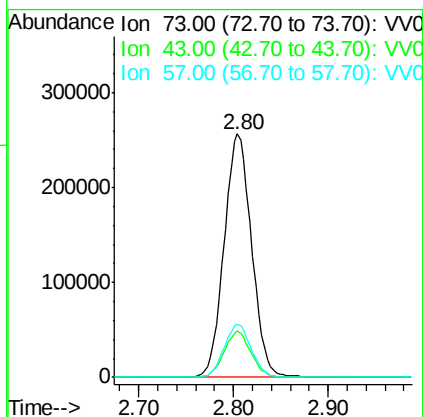
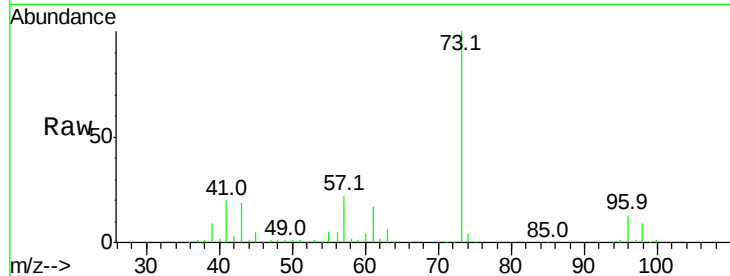




#17
Methyl tert-butyl Ether
Concen: 94.816 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

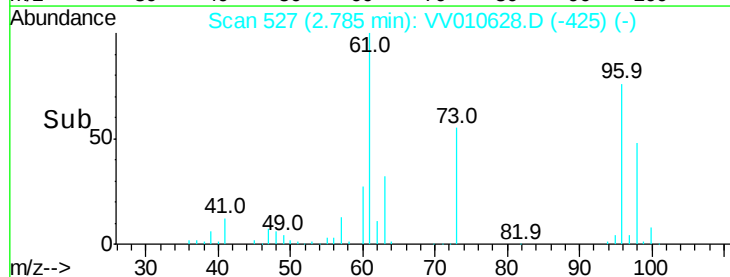
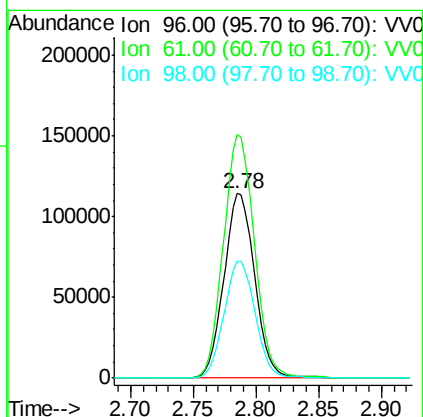
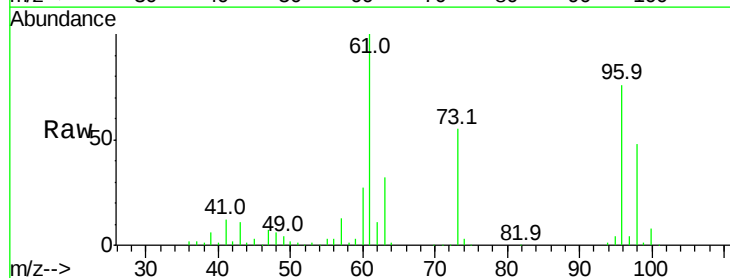
Instrument :
MSVOA_V
ClientSampled :
VSTD10064

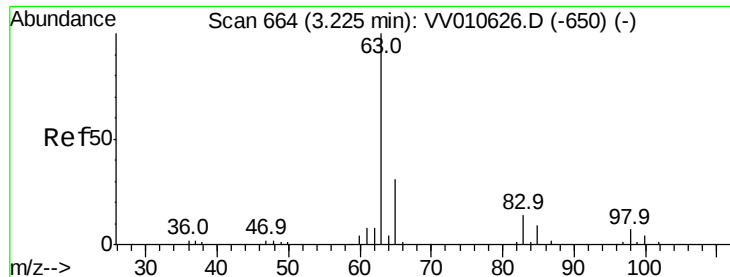
Tgt Ion: 73 Resp: 517145
Ion Ratio Lower Upper
73 100
43 18.4 15.9 23.9
57 21.6 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 95.750 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 96 Resp: 194850
Ion Ratio Lower Upper
96 100
61 131.8 94.6 175.8
98 63.1 45.2 84.0





#19

1,1-Dichloroethane

Concen: 98.236 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

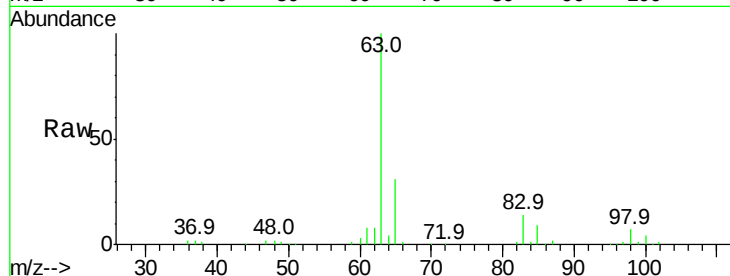
Tgt Ion: 63 Resp: 357247

Ion Ratio Lower Upper

63 100

65 31.3 22.0 40.8

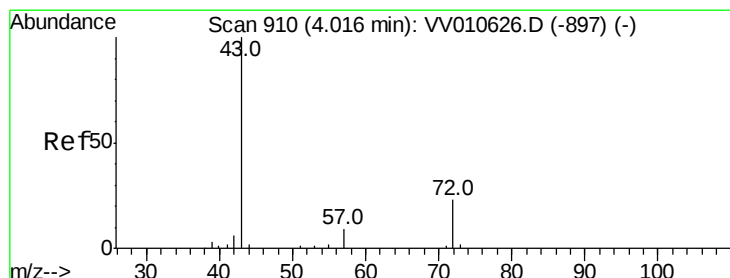
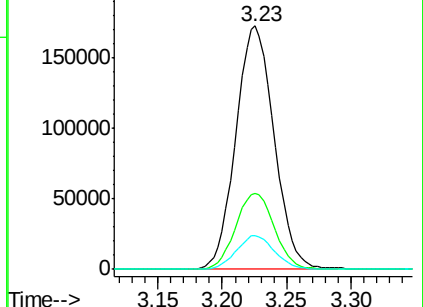
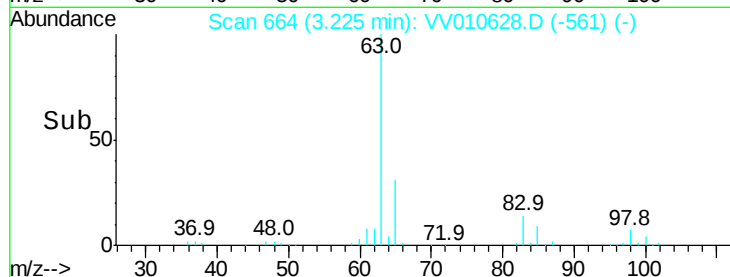
83 14.0 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV010628.D (-561) (-)

Ion 65.00 (64.70 to 65.70): VV010628.D (-561) (-)

Ion 83.00 (82.70 to 83.70): VV010628.D (-561) (-)



#21

2-Butanone

Concen: 231.719 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.00 min

Lab File: VV010628.D

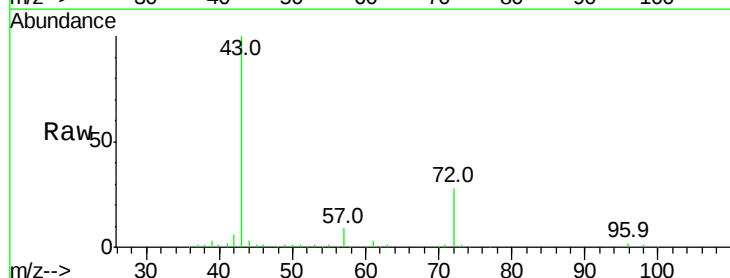
Acq: 02 May 2019 13:18

Tgt Ion: 43 Resp: 155807

Ion Ratio Lower Upper

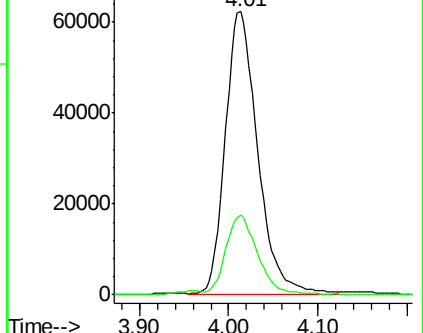
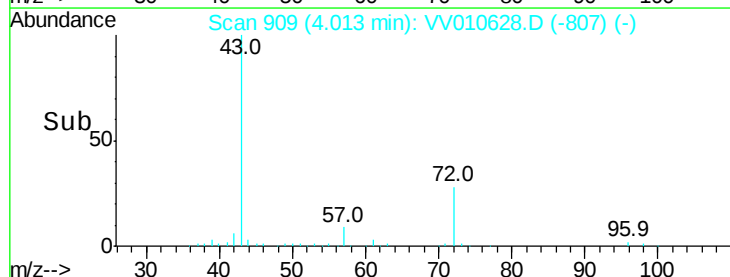
43 100

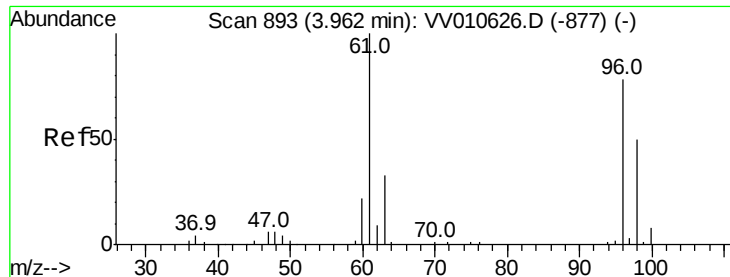
72 27.6 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV010628.D (-807) (-)

Ion 72.00 (71.70 to 72.70): VV010628.D (-807) (-)



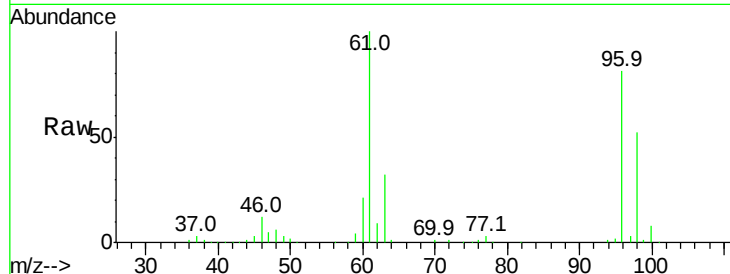


#22

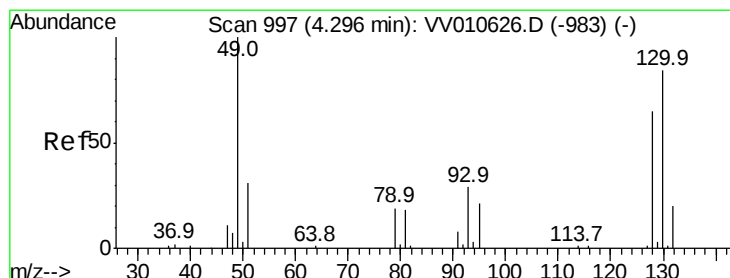
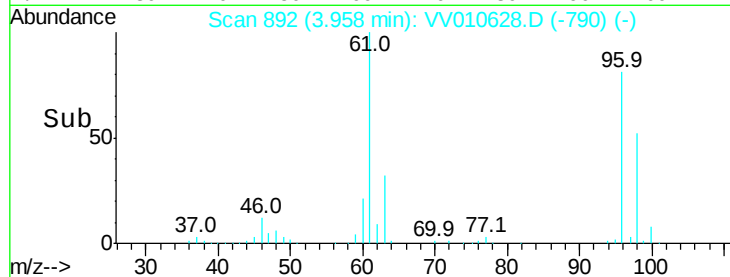
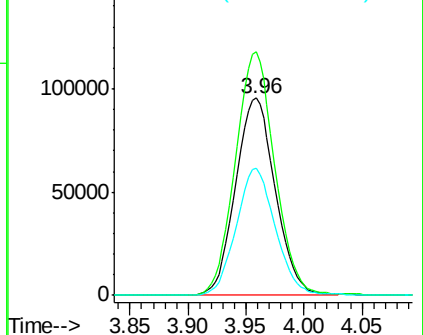
cis-1,2-Dichloroethene
Concen: 99.035 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 96 Resp: 227204
Ion Ratio Lower Upper
96 100
61 123.3 89.6 166.4
98 64.2 44.5 82.7



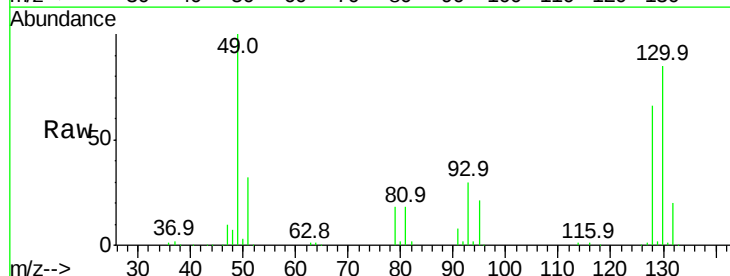
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



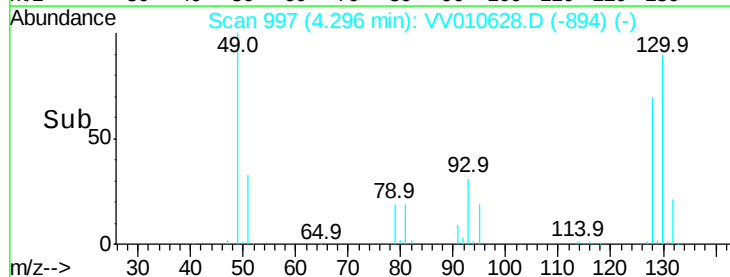
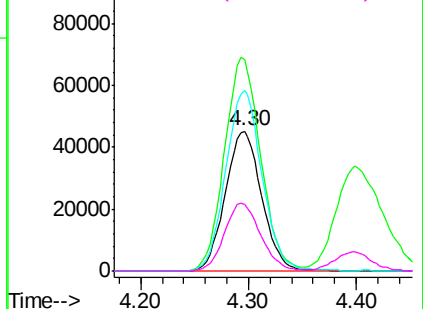
#23

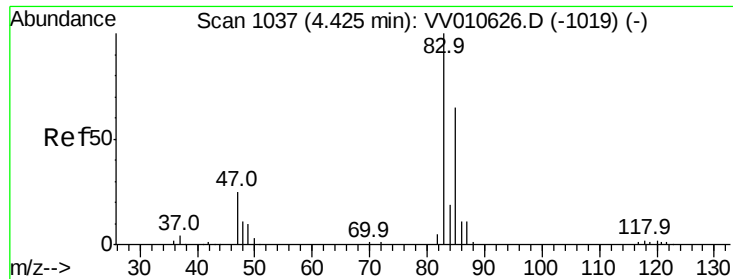
Bromochloromethane
Concen: 95.849 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 128 Resp: 106087
Ion Ratio Lower Upper
128 100
49 150.9 108.0 200.6
130 128.8 89.7 166.7
51 48.0 37.3 55.9



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

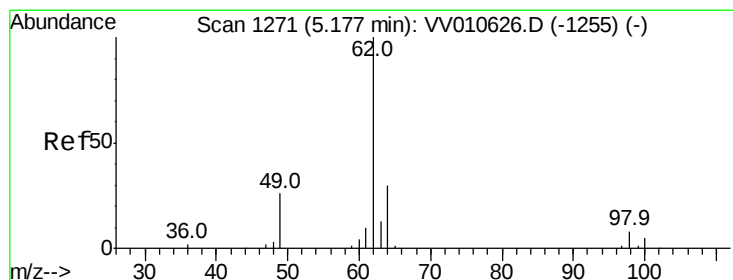
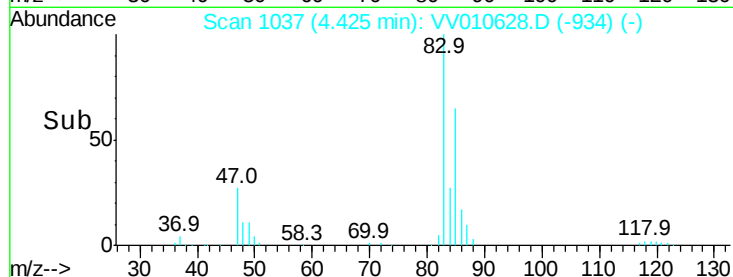
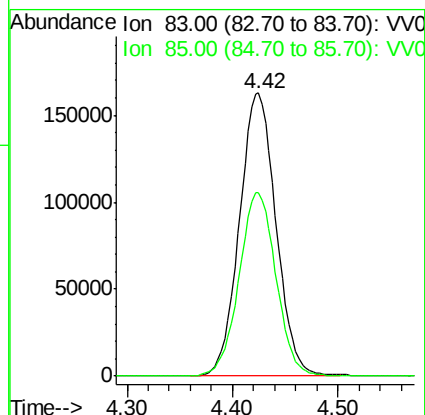
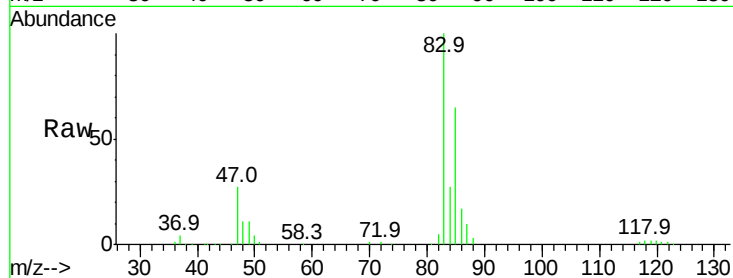




#25
Chloroform
Concen: 89.721 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

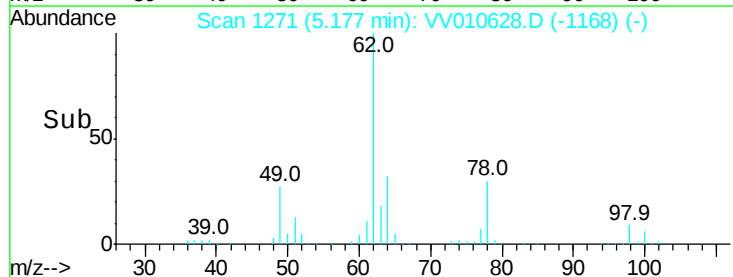
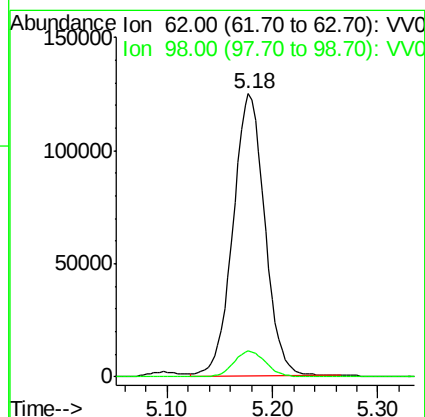
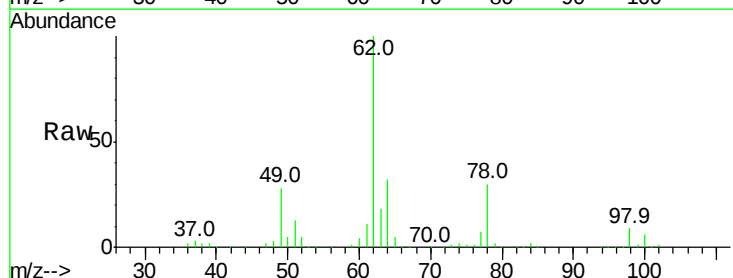
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

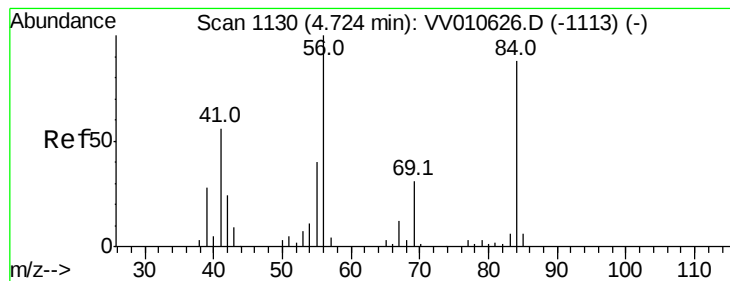
Tgt Ion: 83 Resp: 392035
Ion Ratio Lower Upper
83 100
85 65.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 85.266 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 62 Resp: 261328
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





#30

Cyclohexane

Concen: 90.758 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

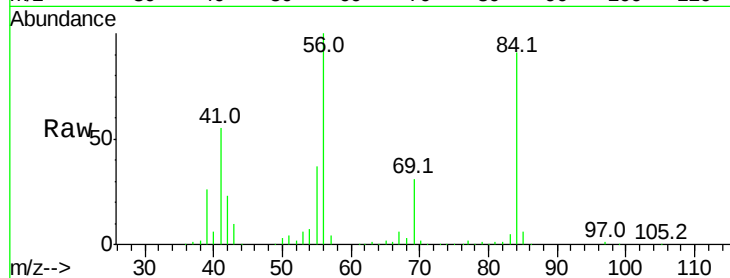
Tgt Ion: 56 Resp: 297938

Ion Ratio Lower Upper

56 100

69 31.1 25.0 37.6

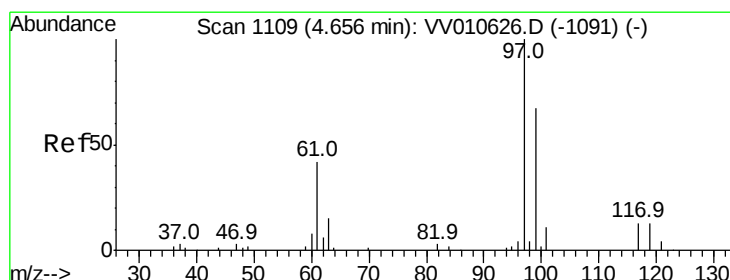
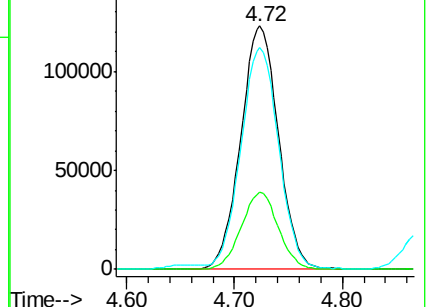
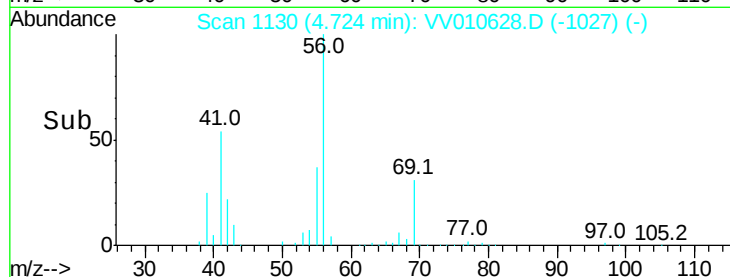
84 91.1 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VV010628.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV010628.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV010628.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 83.028 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

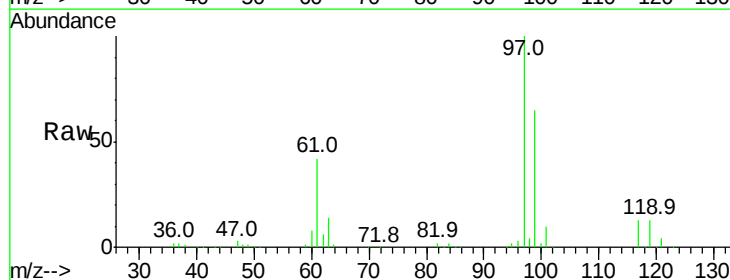
Tgt Ion: 97 Resp: 328807

Ion Ratio Lower Upper

97 100

99 64.2 50.3 75.5

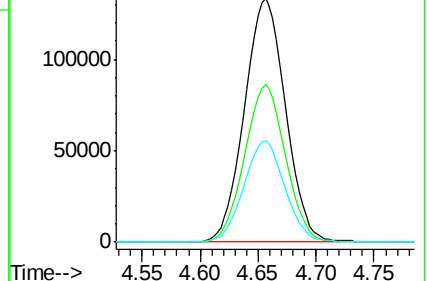
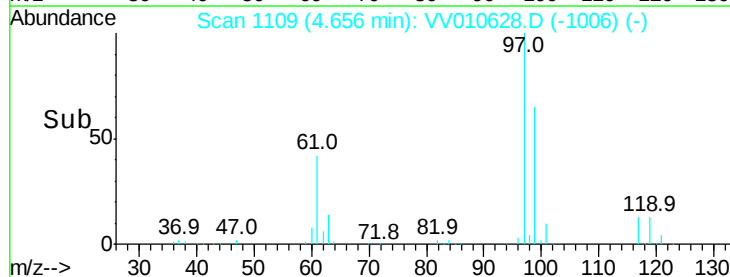
61 41.7 34.1 51.1

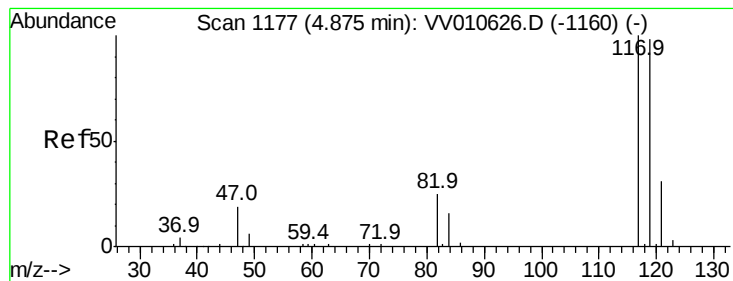


Abundance Ion 97.00 (96.70 to 97.70): VV010628.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV010628.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV010628.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 79.476 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

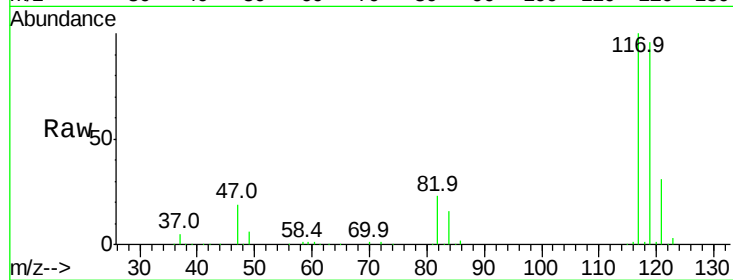
VSTD10064

Tgt Ion:117 Resp: 298322

Ion Ratio Lower Upper

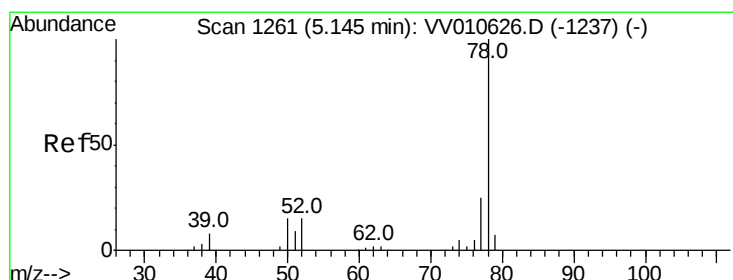
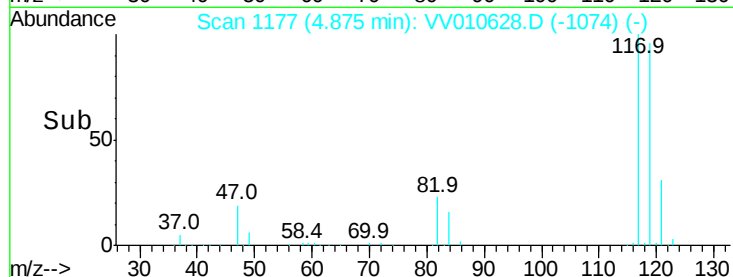
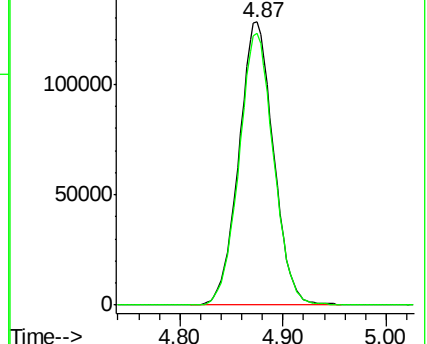
117 100

119 95.9 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 99.100 ug/L

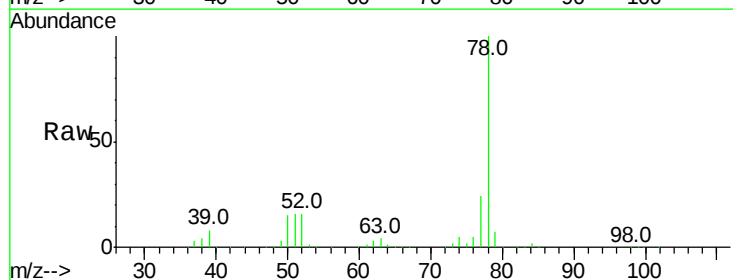
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

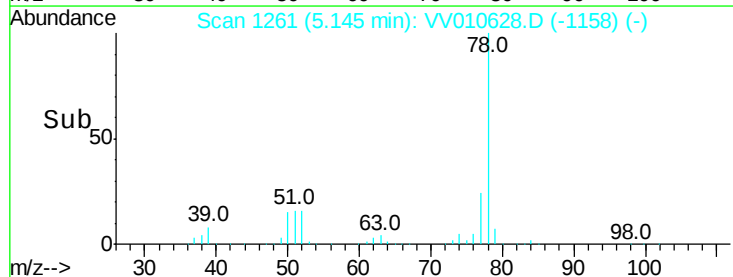
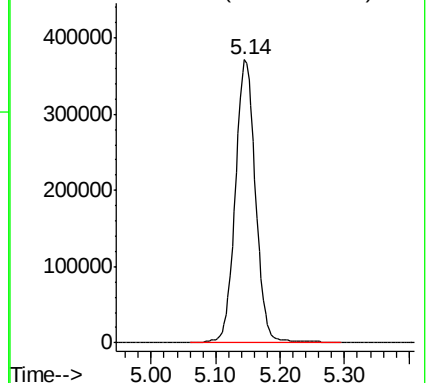
Lab File: VV010628.D

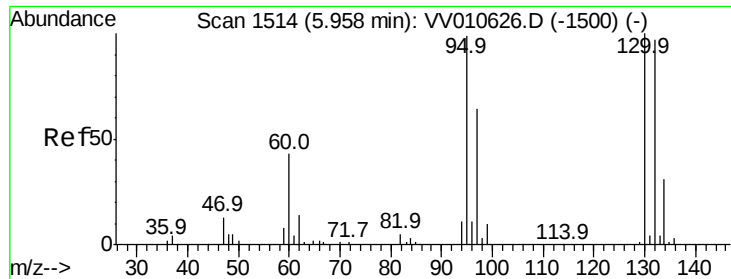
Acq: 02 May 2019 13:18

Tgt Ion: 78 Resp: 811658



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 90.115 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

Tgt Ion: 95 Resp: 223826

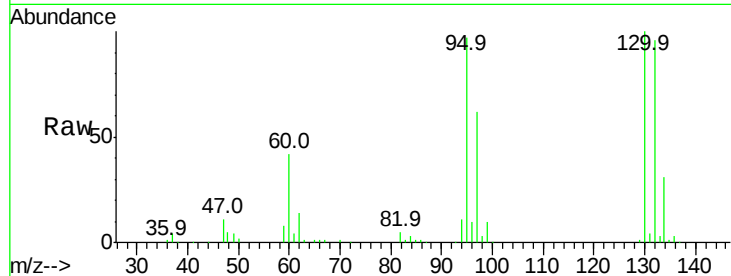
Ion Ratio Lower Upper

95 100

97 64.4 45.0 83.6

132 98.2 69.9 129.9

130 102.5 71.3 132.3

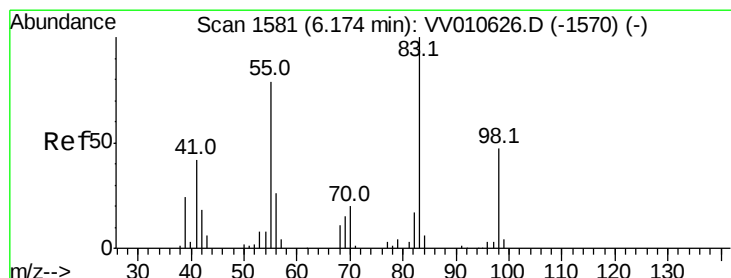
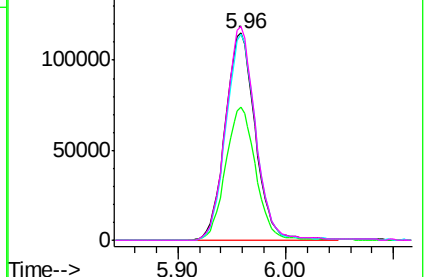
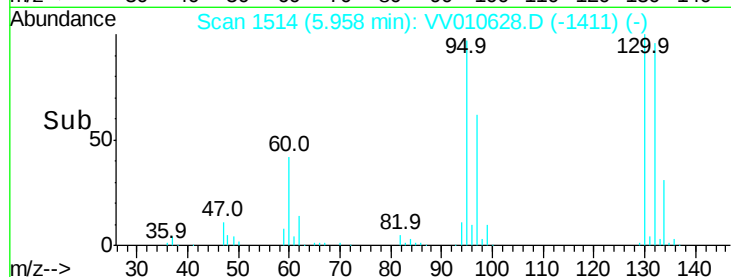


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 90.868 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

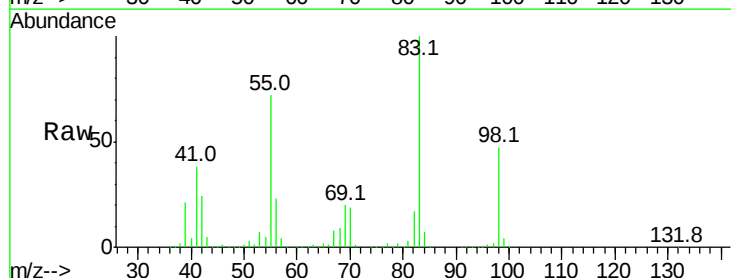
Tgt Ion: 83 Resp: 337170

Ion Ratio Lower Upper

83 100

55 71.7 61.4 92.0

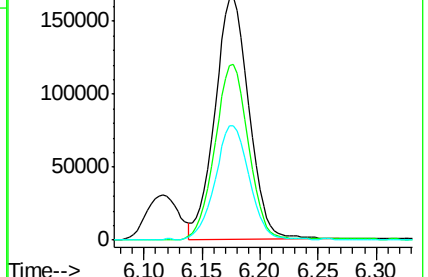
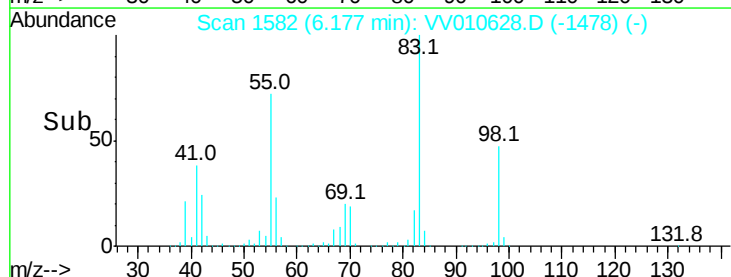
98 47.0 37.4 56.2

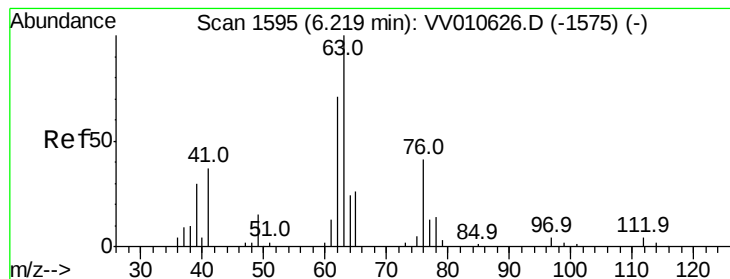


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 104.759 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

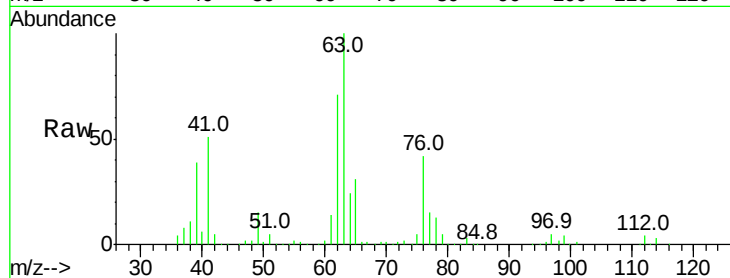
VSTD10064

Tgt Ion: 63 Resp: 211160

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VV010628.D (-1596) (-)

Ion 112.00 (111.70 to 112.70): VV010628.D (-1596) (-)

6.22

120000

100000

80000

60000

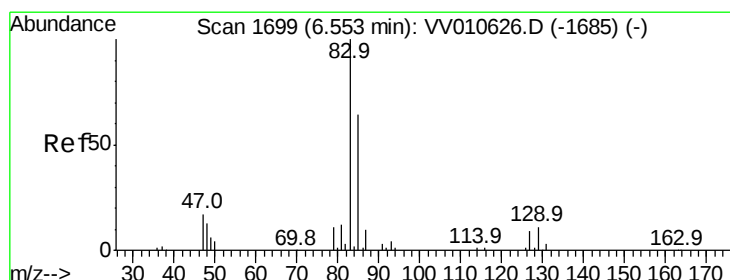
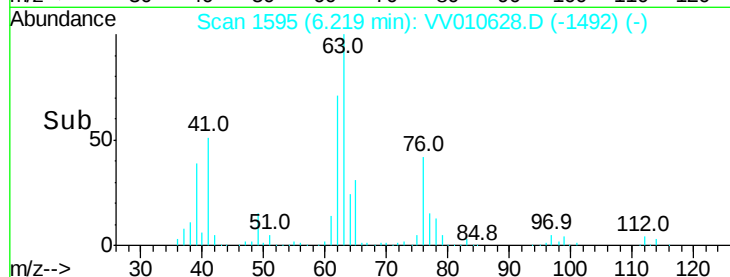
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 94.323 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

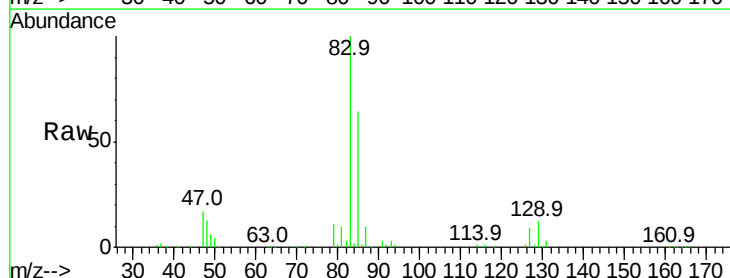
Tgt Ion: 83 Resp: 293249

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV010628.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV010628.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV010628.D (-1596) (-)

6.55

200000

150000

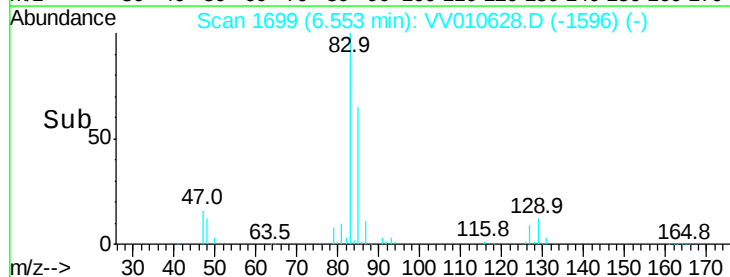
100000

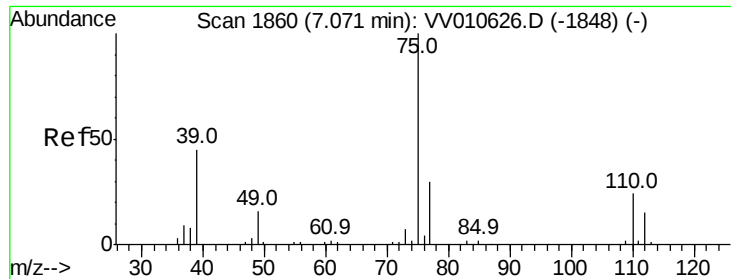
50000

0

6.50 6.55 6.60

Time-->



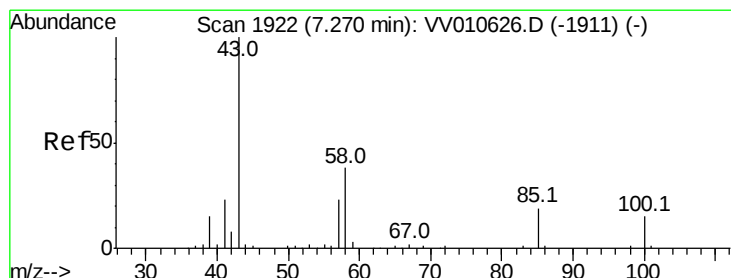
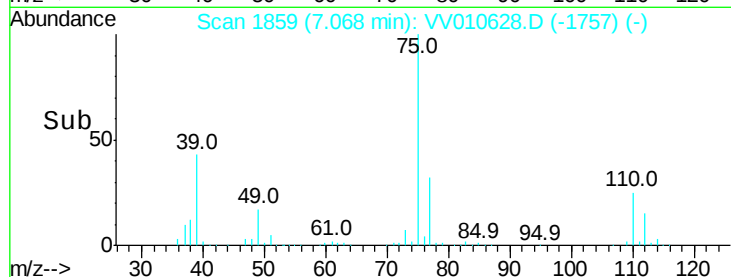
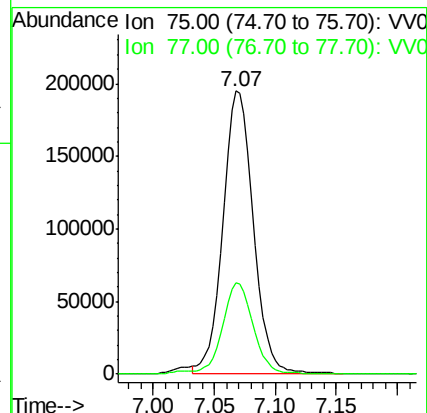
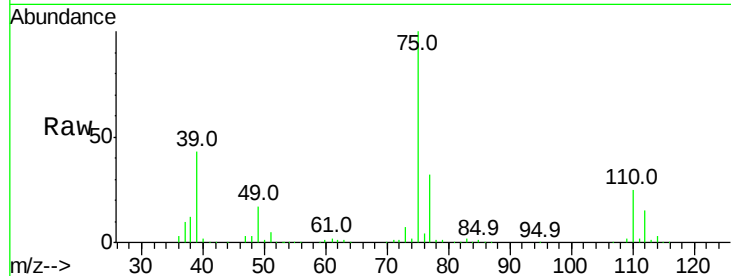


#42

cis-1,3-Dichloropropene
Concen: 102.027 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

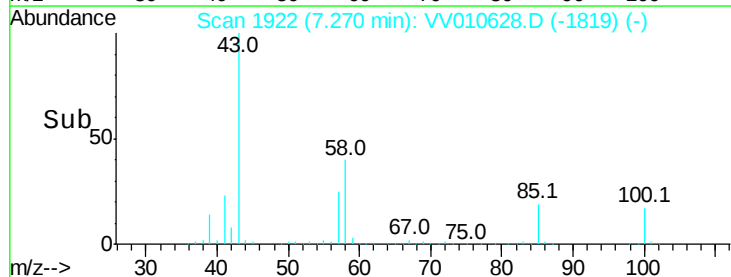
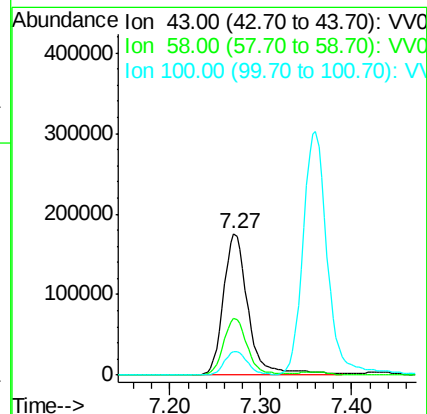
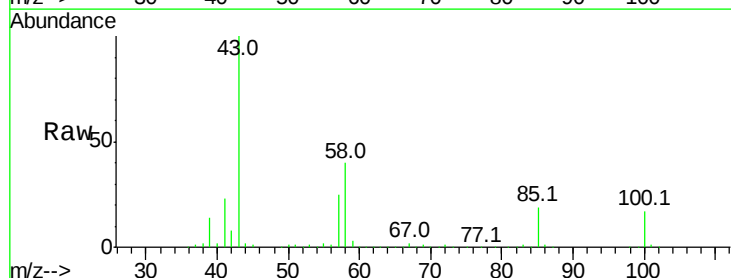
Tgt Ion: 75 Resp: 339604
Ion Ratio Lower Upper
75 100
77 32.4 21.8 40.4

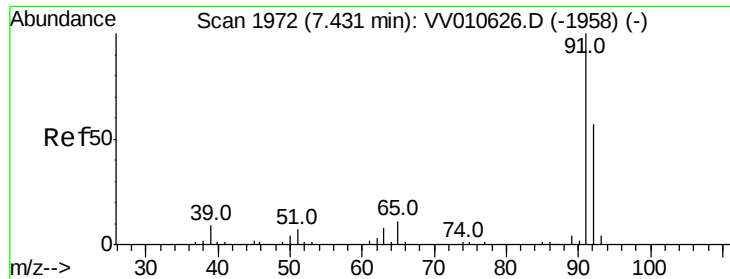


#43

4-Methyl-2-pentanone
Concen: 223.089 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 43 Resp: 333945
Ion Ratio Lower Upper
43 100
58 38.4 29.6 44.4
100 15.6 11.2 16.8





#44

Toluene

Concen: 93.280 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampled :

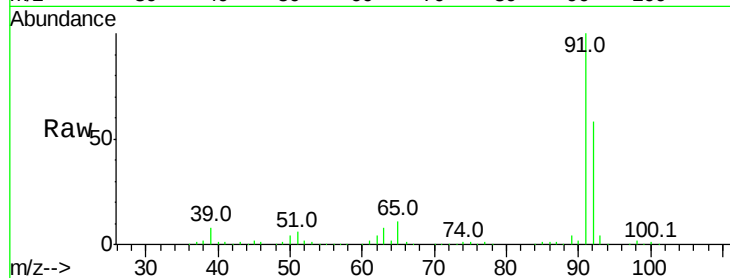
VSTD10064

Tgt Ion: 91 Resp: 923245

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010626.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010628.D (-1869) (-)

7.43

500000

400000

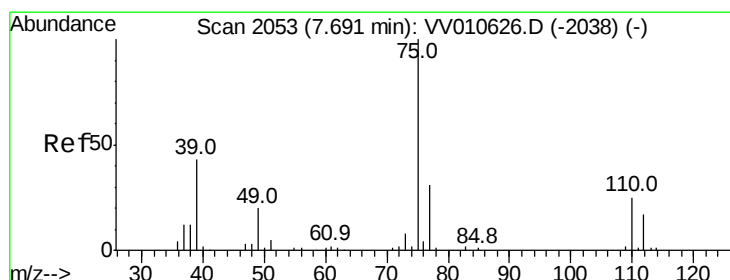
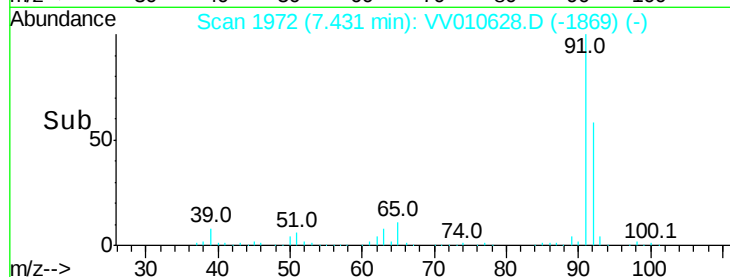
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 98.961 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010628.D

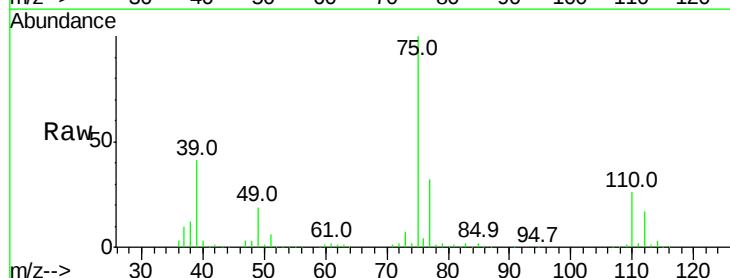
Acq: 02 May 2019 13:18

Tgt Ion: 75 Resp: 300761

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV010626.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV010628.D (-1950) (-)

7.69

200000

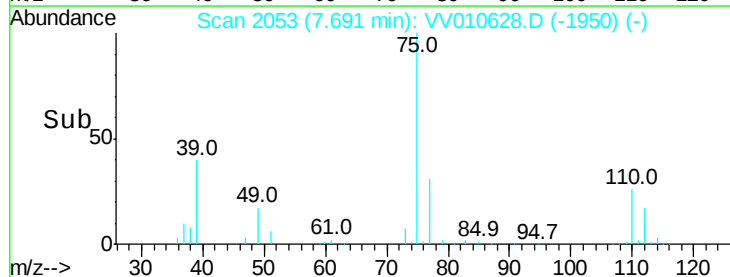
150000

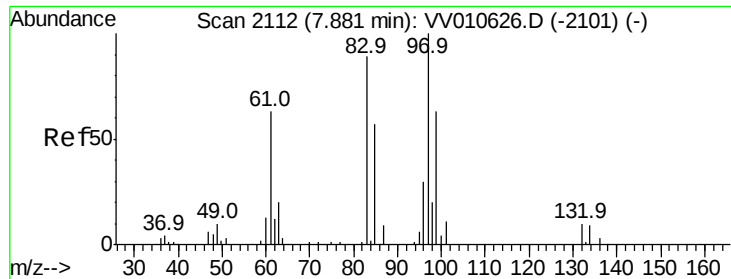
100000

50000

0

Time-->

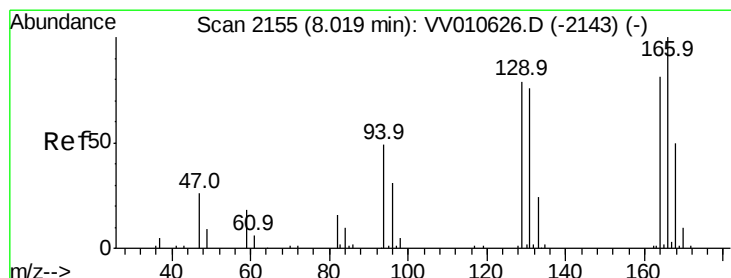
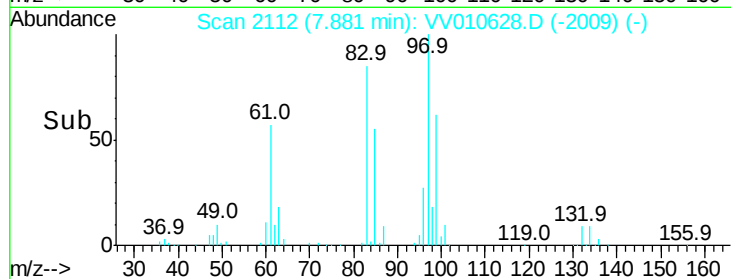
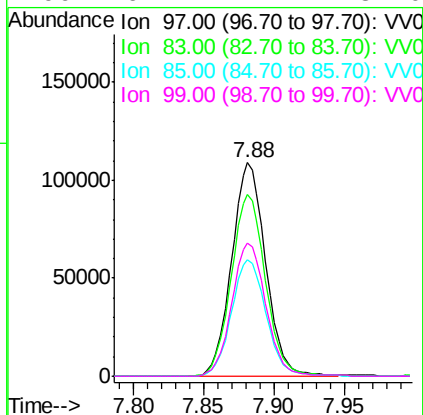
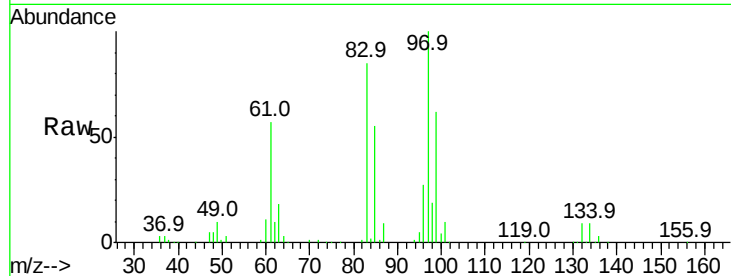




#46
 1,1,2-Trichloroethane
 Concen: 101.759 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

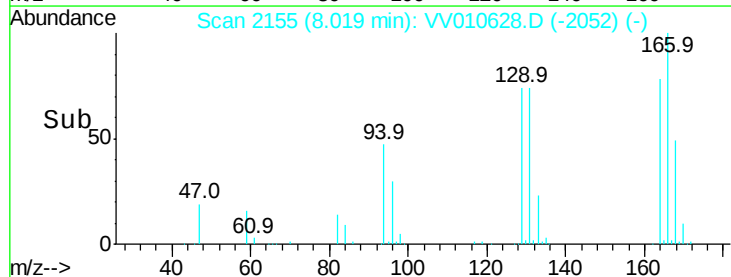
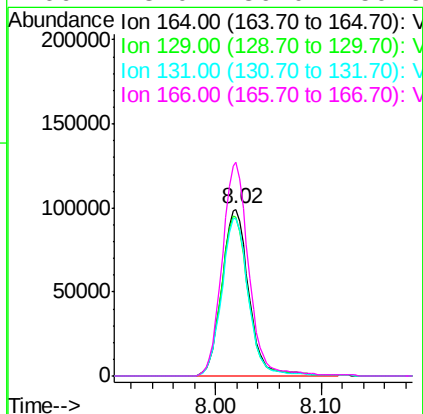
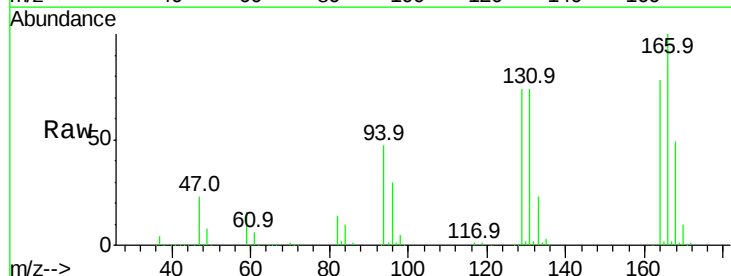
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

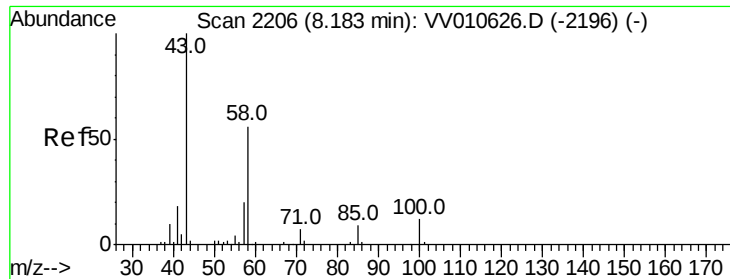
Tgt Ion:	97	Resp:	183963
Ion	Ratio	Lower	Upper
97	100		
83	85.2	62.1	115.3
85	54.7	39.8	74.0
99	62.2	44.2	82.0



#47
 Tetrachloroethene
 Concen: 79.673 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

Tgt Ion:	164	Resp:	175651
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.5	125.4
131	94.3	65.1	120.9
166	128.0	86.0	159.6

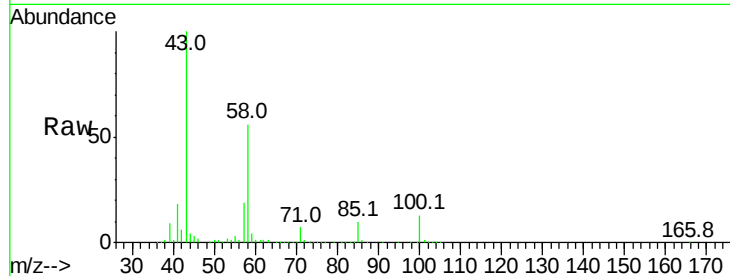




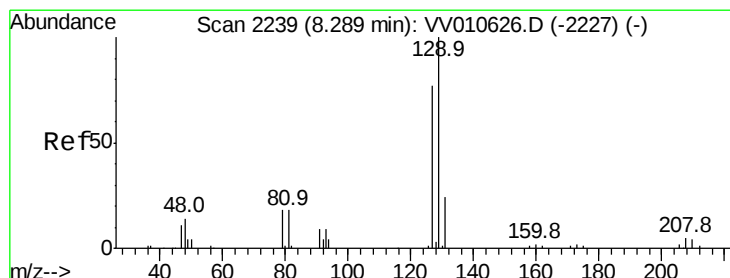
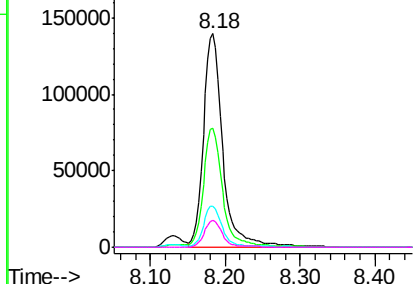
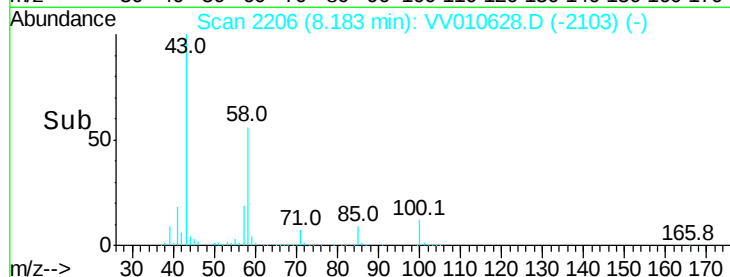
#49
2-Hexanone
Concen: 235.561 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 43 Resp: 250341
Ion Ratio Lower Upper
43 100
58 55.3 42.5 63.7
57 17.6 14.4 21.6
100 11.8 10.0 15.0

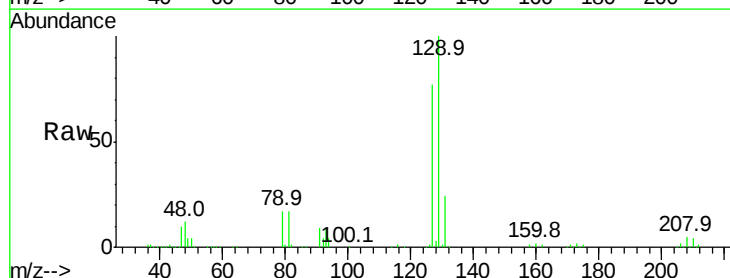


Abundance Ion 43.00 (42.70 to 43.70): VV010628.D (-2103) (-)
Ion 58.00 (57.70 to 58.70): VV010628.D (-2103) (-)
Ion 57.00 (56.70 to 57.70): VV010628.D (-2103) (-)
Ion 100.00 (99.70 to 100.70): VV010628.D (-2103) (-)

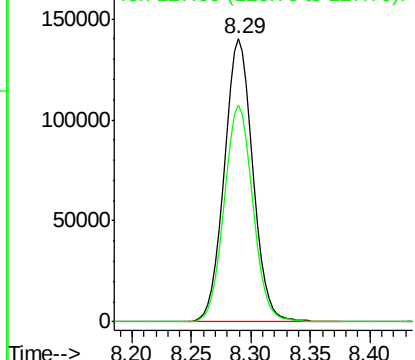
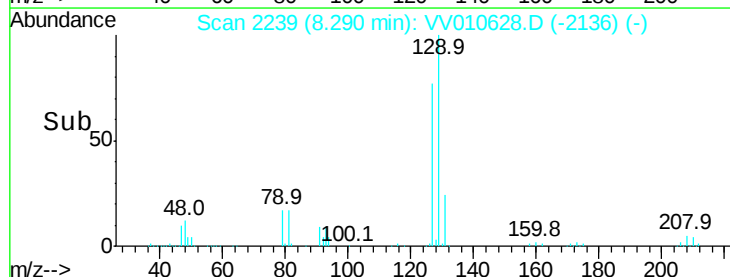


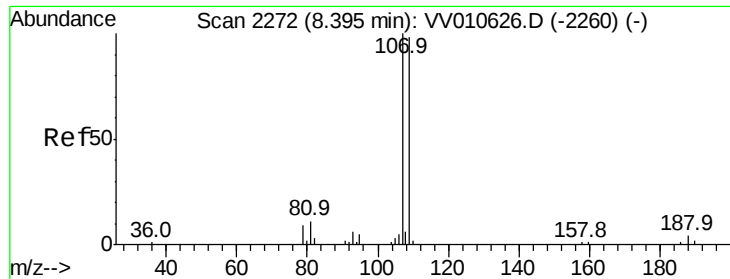
#50
Dibromochloromethane
Concen: 95.598 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 129 Resp: 232980
Ion Ratio Lower Upper
129 100
127 76.7 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV010628.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010628.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 93.030 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

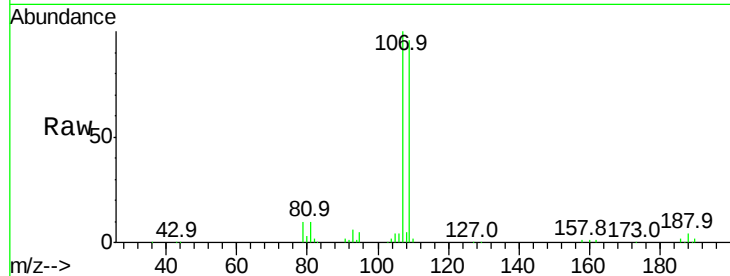
Tgt Ion:107 Resp: 176462

Ion Ratio Lower Upper

107 100

109 96.4 68.7 127.7

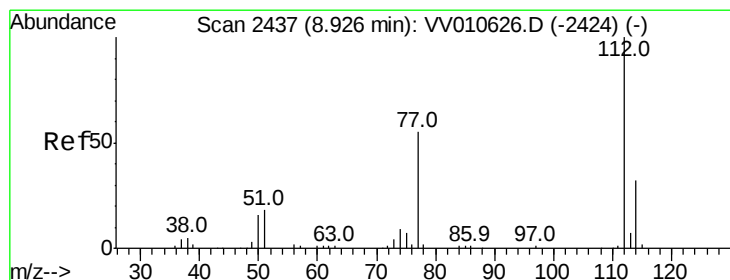
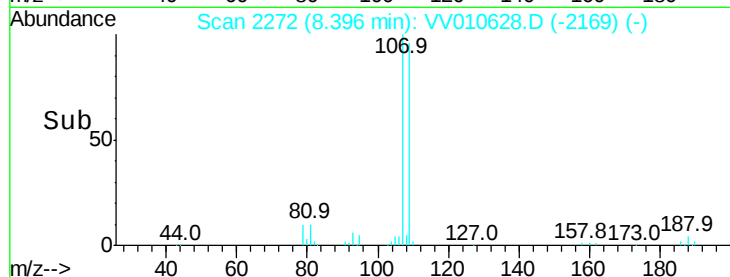
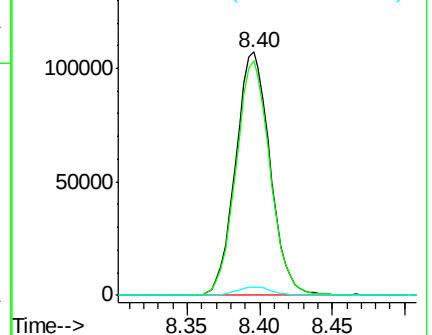
188 3.6 3.0 4.4



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



#52

Chlorobenzene

Concen: 90.131 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

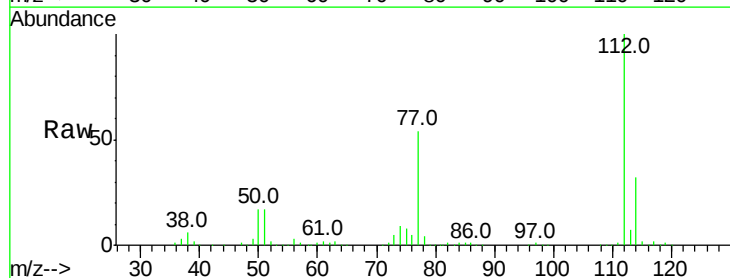
Tgt Ion:112 Resp: 625410

Ion Ratio Lower Upper

112 100

77 54.3 44.5 66.7

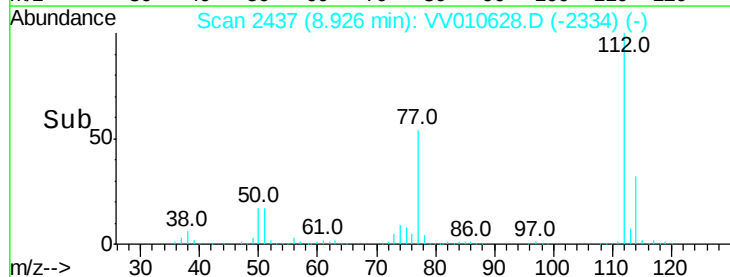
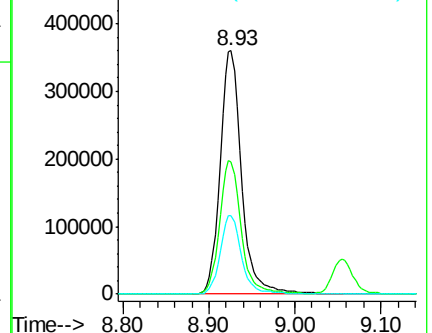
114 32.3 22.5 41.7

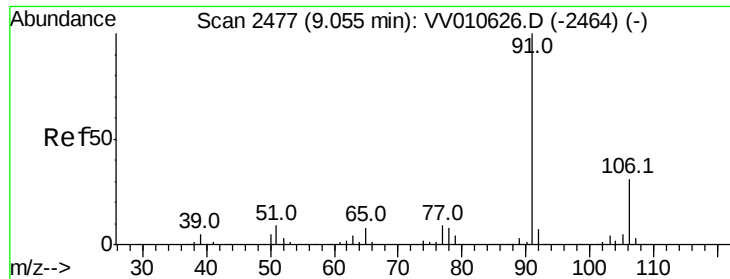


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

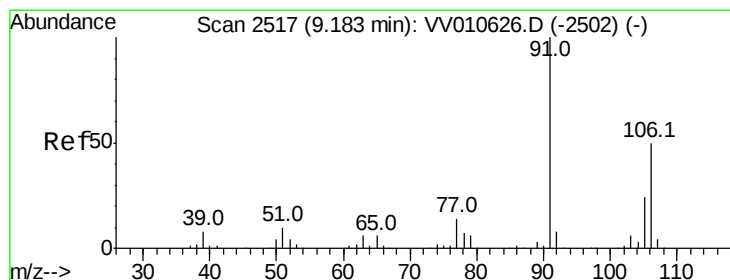
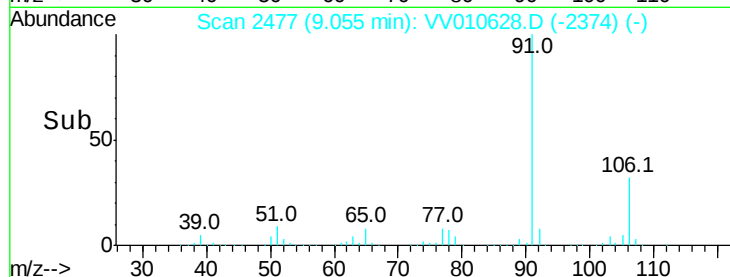
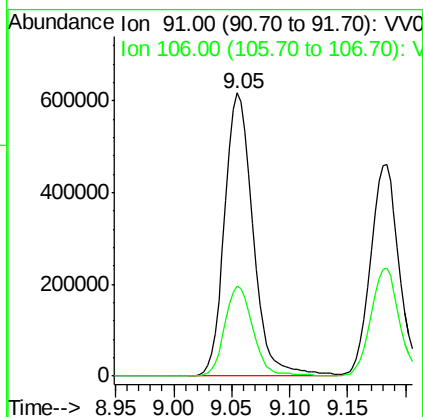
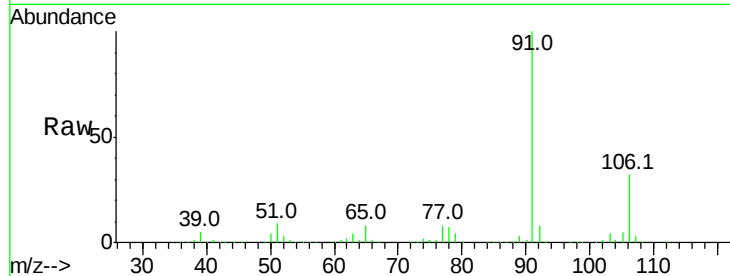




#53
Ethylbenzene
Concen: 90.499 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

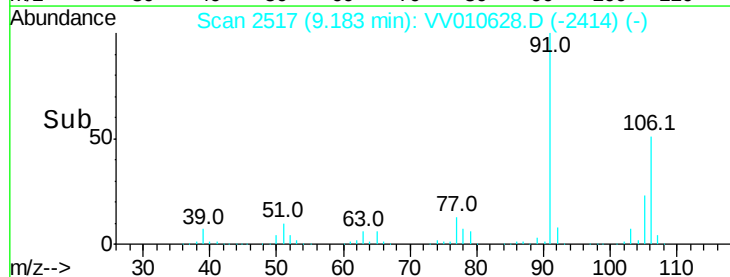
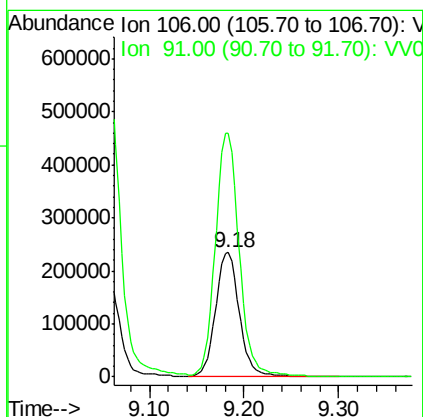
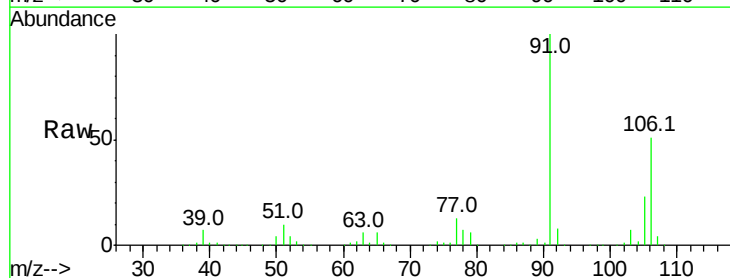
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

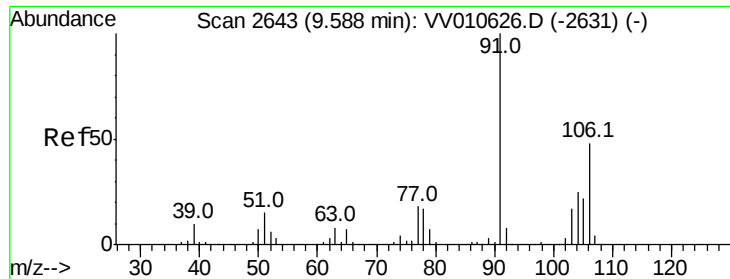
Tgt Ion: 91 Resp: 1047290
Ion Ratio Lower Upper
91 100
106 31.8 22.0 41.0



#54
m,p-Xylene
Concen: 90.881 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion: 106 Resp: 412281
Ion Ratio Lower Upper
106 100
91 196.2 140.4 260.8

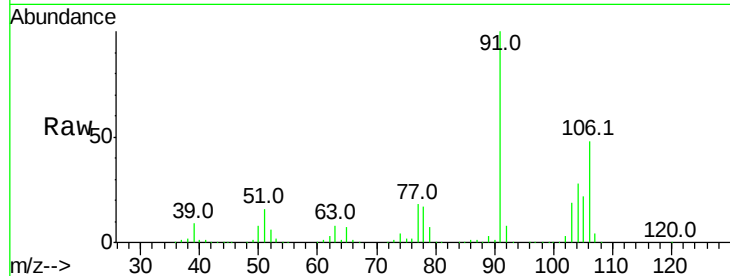




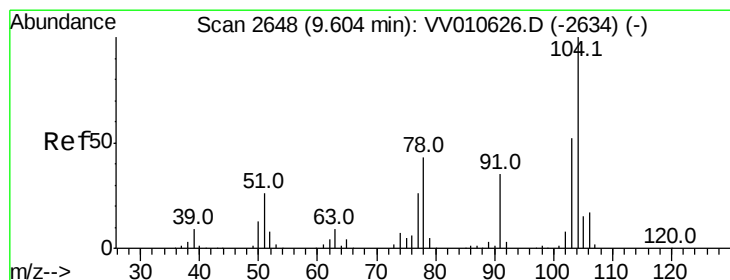
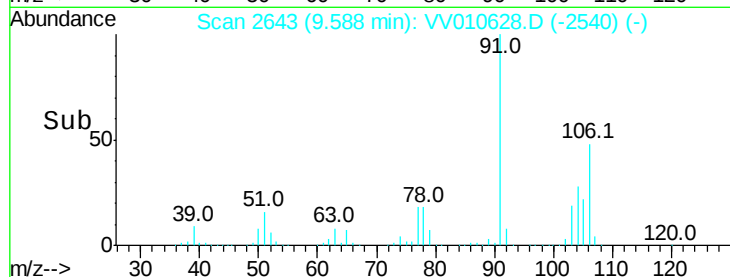
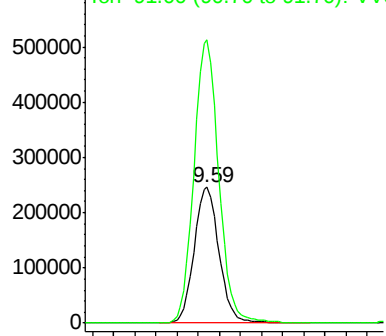
#55
o-xylene
Concen: 89.059 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion:106 Resp: 402443
Ion Ratio Lower Upper
106 100
91 208.7 147.3 273.5

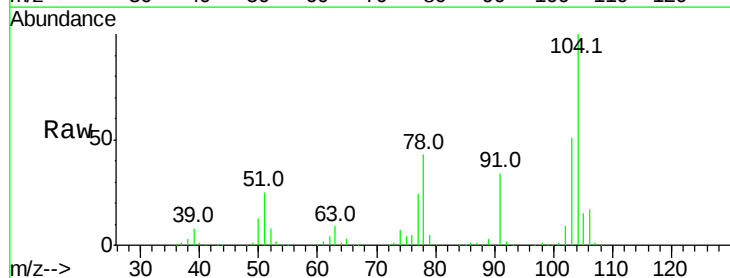


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

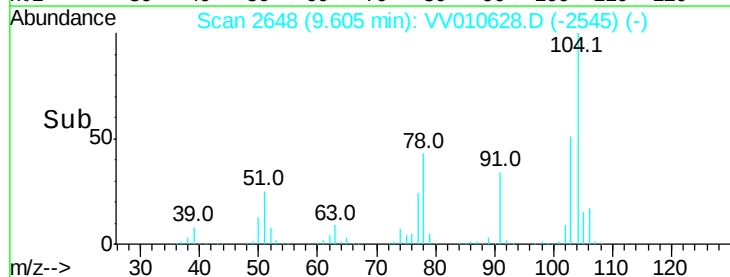
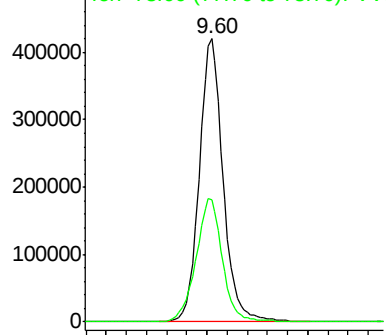


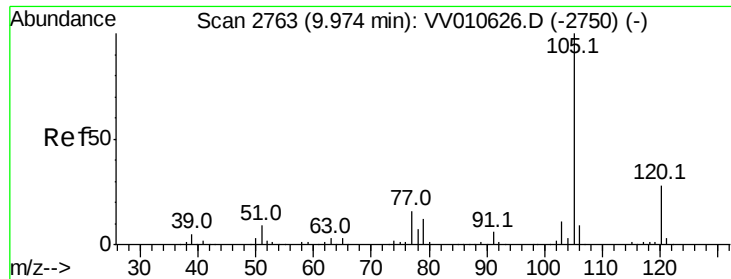
#56
Styrene
Concen: 92.884 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010628.D
Acq: 02 May 2019 13:18

Tgt Ion:104 Resp: 692504
Ion Ratio Lower Upper
104 100
78 43.3 30.4 56.5



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





#57

Isopropylbenzene

Concen: 85.956 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

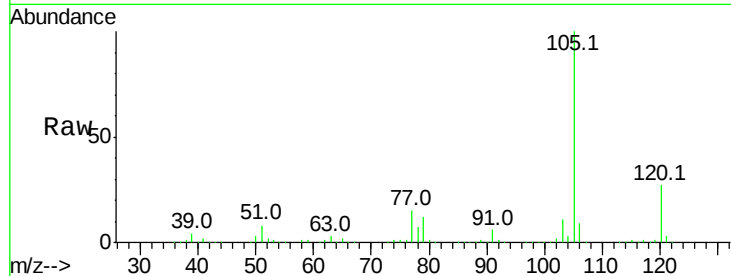
Tgt Ion:105 Resp: 1049378

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

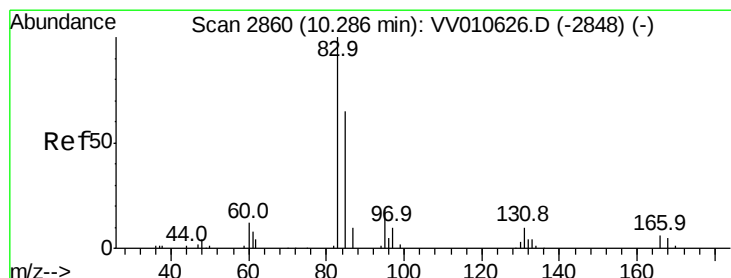
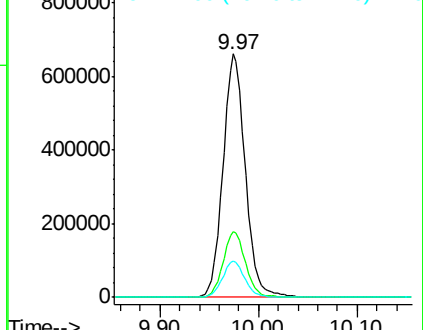
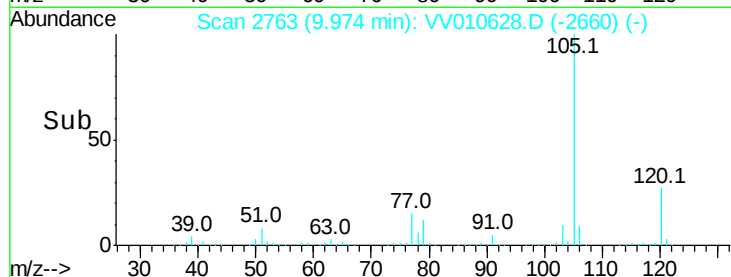
77 15.1 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 101.801 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

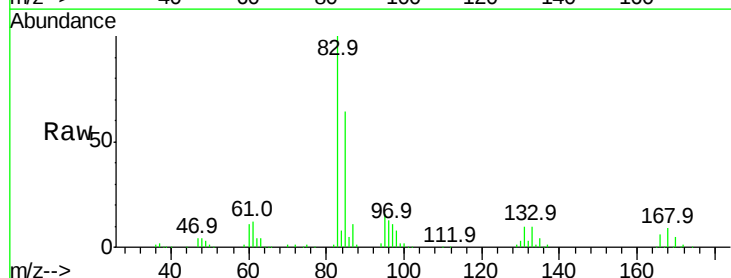
Tgt Ion: 83 Resp: 238417

Ion Ratio Lower Upper

83 100

85 64.2 46.5 86.3

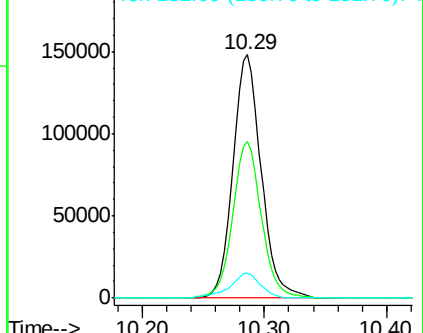
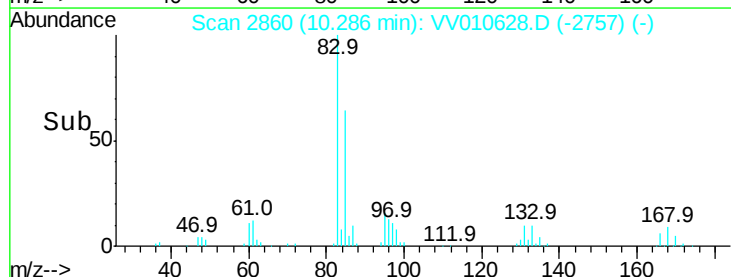
131 10.4 8.4 12.6

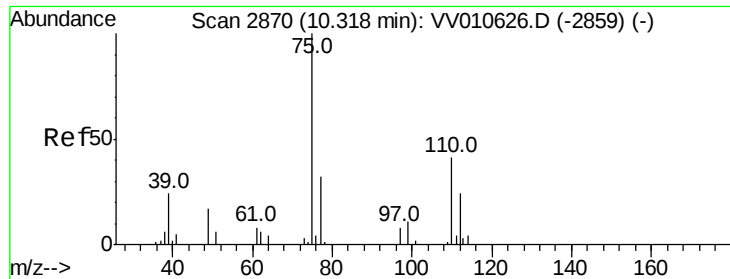


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 98.154 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

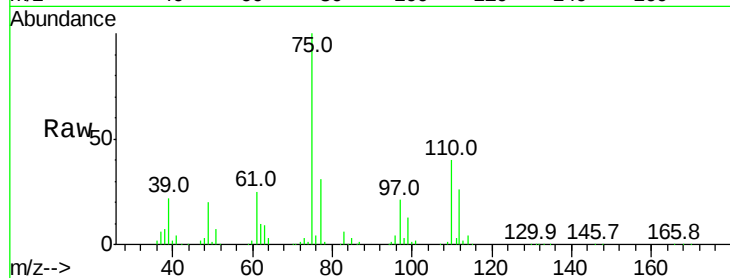
VSTD10064

Tgt Ion: 75 Resp: 170316

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV010628.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010628.D (-2859) (-)

10.32

120000

100000

80000

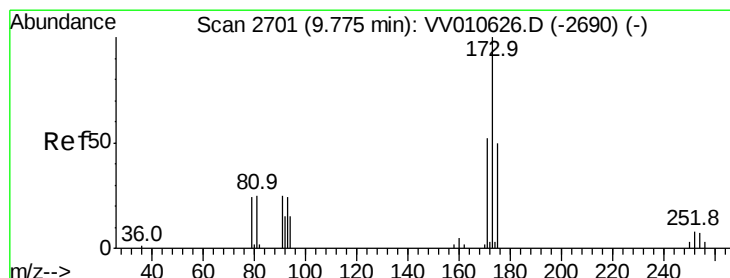
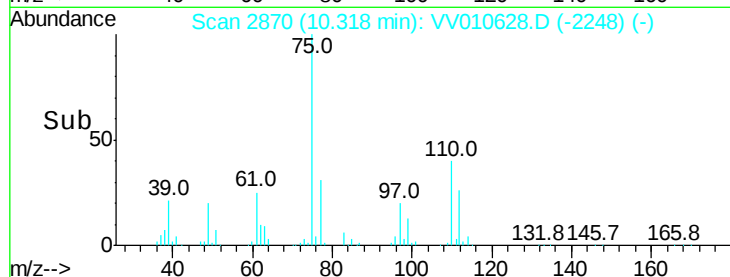
60000

40000

20000

0

Time-->



#62

Bromoform

Concen: 98.008 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

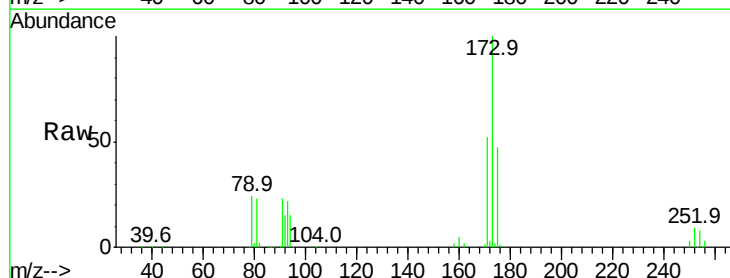
Tgt Ion: 173 Resp: 140594

Ion Ratio Lower Upper

173 100

175 48.2 37.9 56.9

254 8.4 5.9 8.9



Abundance Ion 173.00 (172.70 to 173.70): VV010628.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV010628.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV010628.D (-2690) (-)

9.77

120000

100000

80000

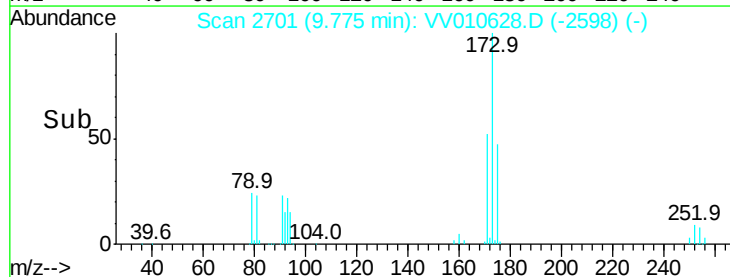
60000

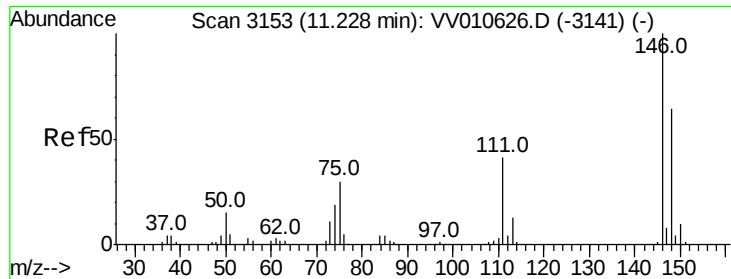
40000

20000

0

Time-->

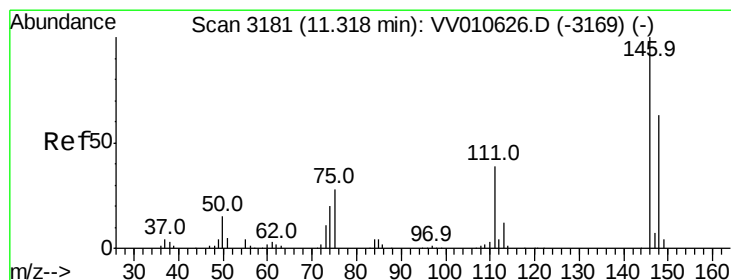
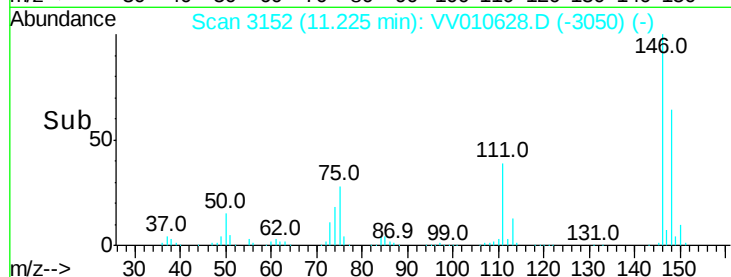
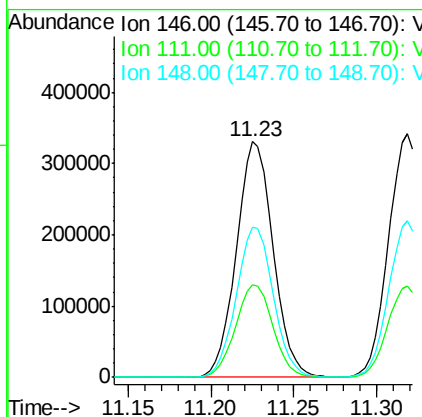
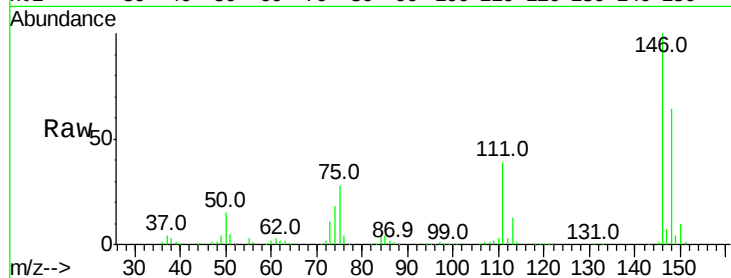




#63
 1,3-Dichlorobenzene
 Concen: 91.191 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

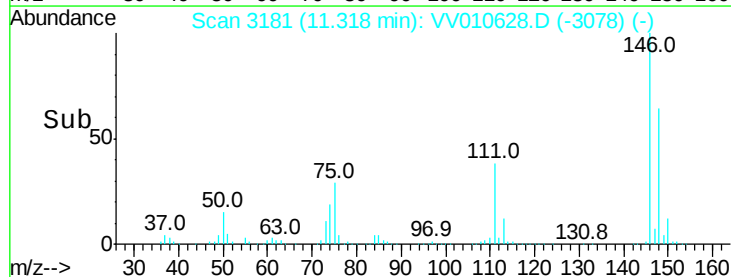
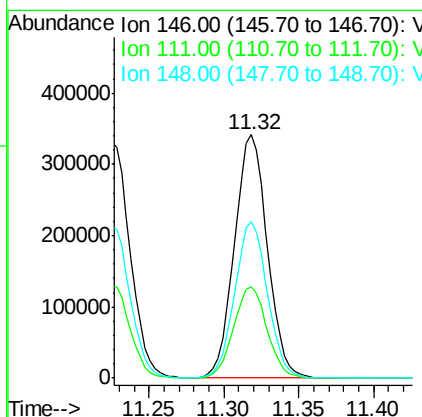
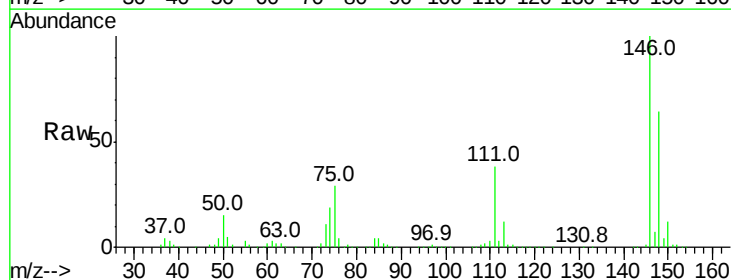
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

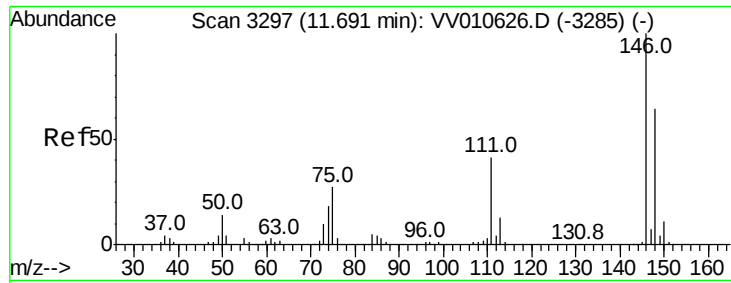
Tgt Ion:146 Resp: 510810
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.3 52.7
 148 63.9 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 91.093 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

Tgt Ion:146 Resp: 522368
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.6 51.4
 148 64.2 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 92.101 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampled :

VSTD10064

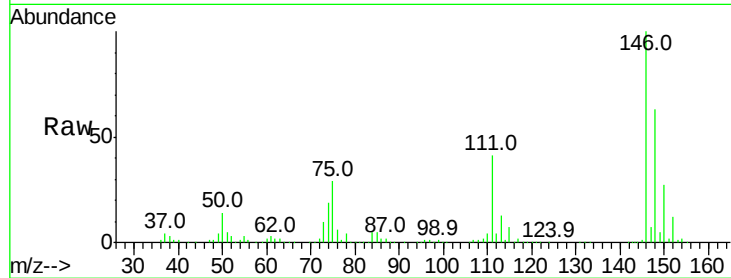
Tgt Ion:146 Resp: 501354

Ion Ratio Lower Upper

146 100

111 40.5 32.7 49.1

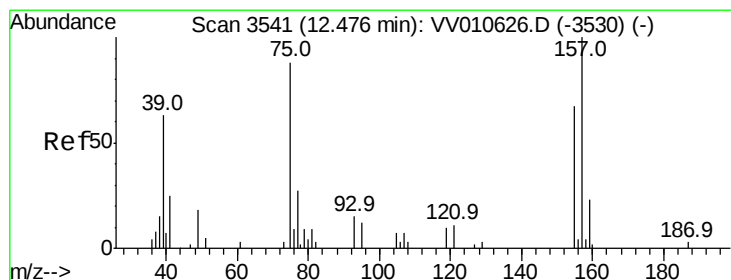
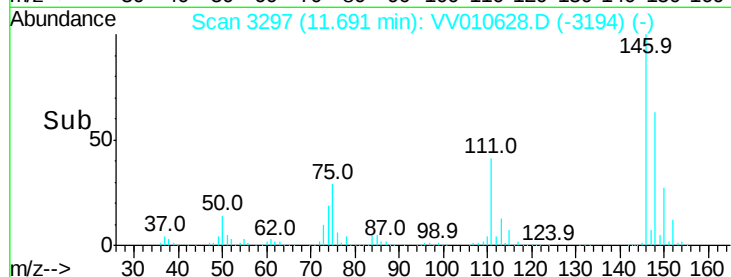
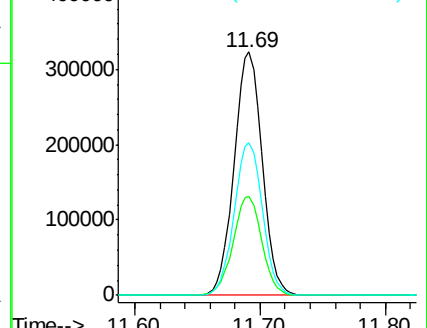
148 62.6 51.0 76.6



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: 110.174 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

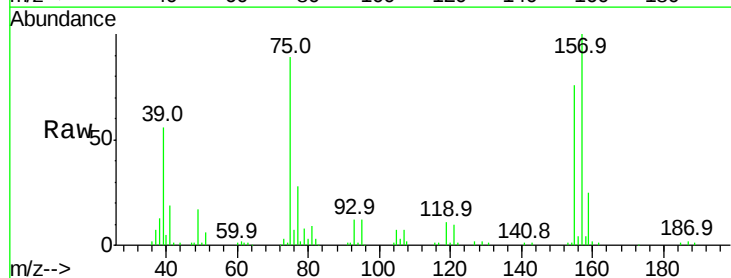
Tgt Ion: 75 Resp: 39748

Ion Ratio Lower Upper

75 100

157 112.5 91.1 136.7

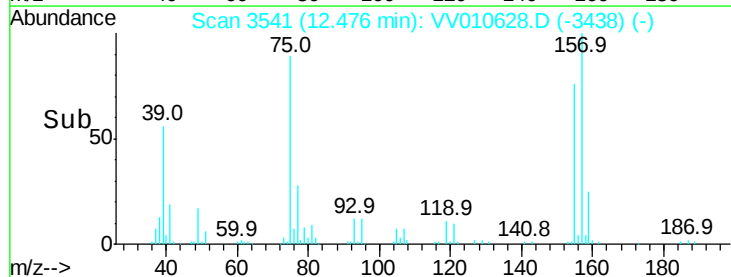
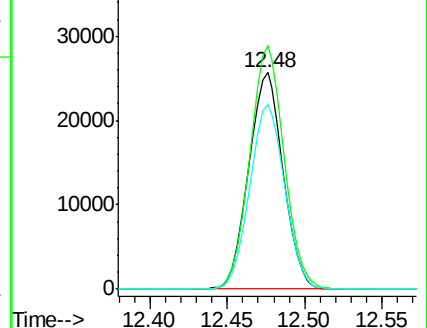
155 85.1 61.0 91.6

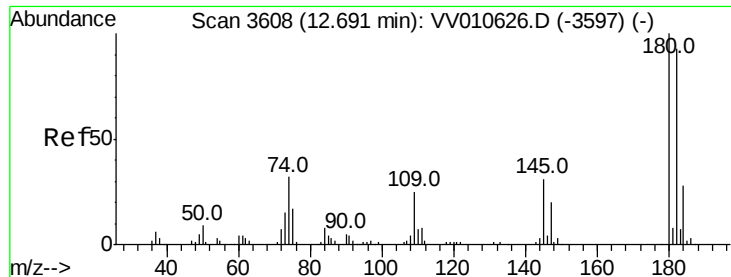


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

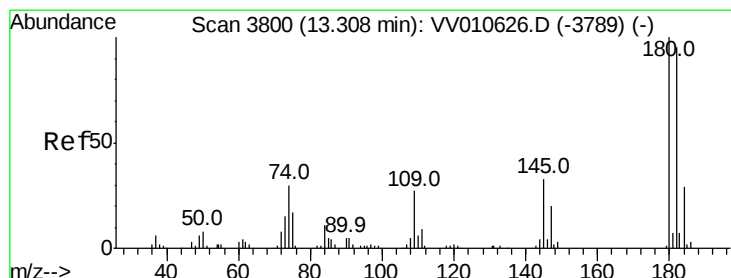
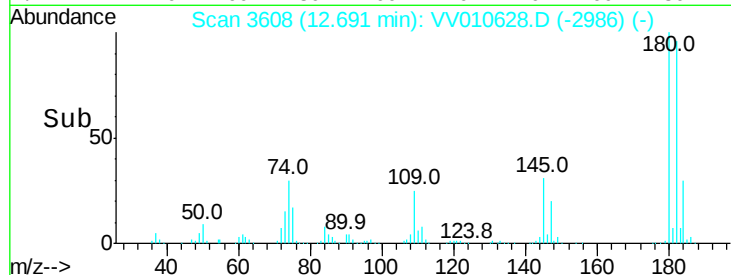
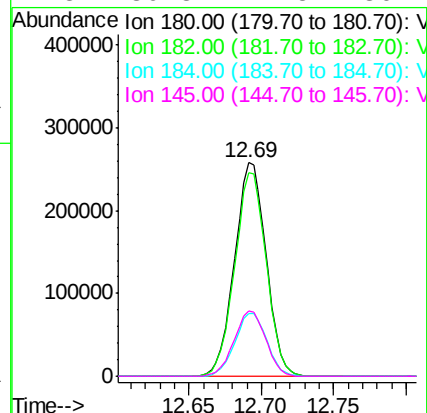
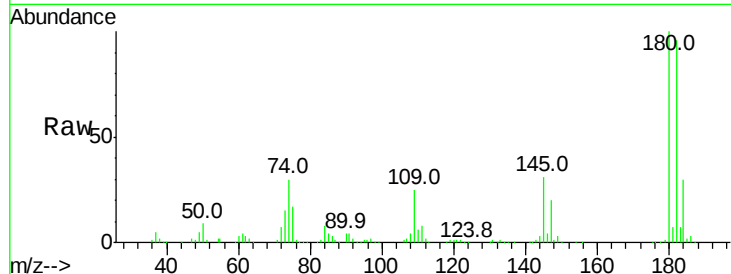




#67
 1,3,5-Trichlorobenzene
 Concen: 86.780 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

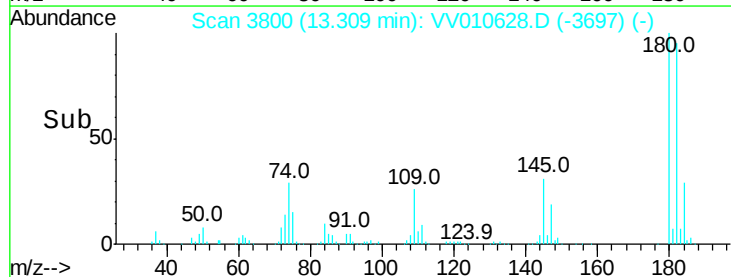
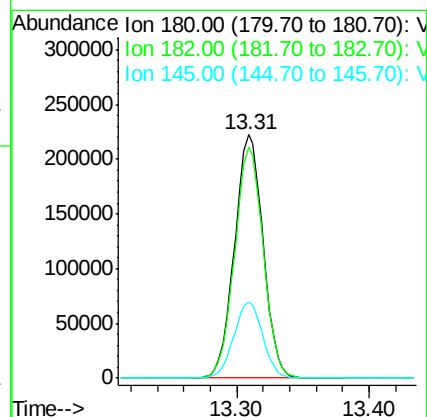
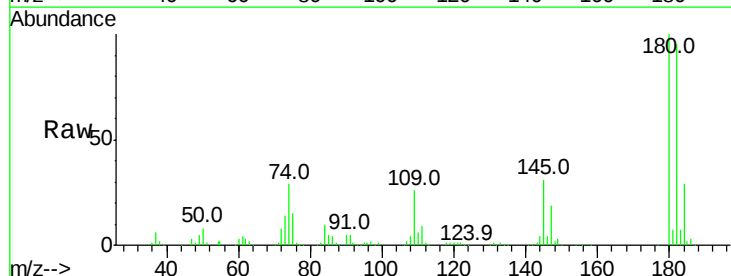
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

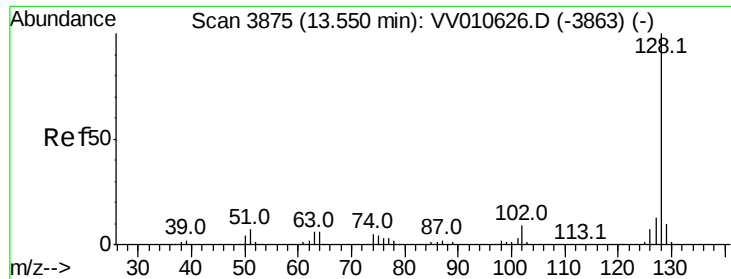
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
184	29.9	23.8	35.6
145	30.8	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 98.361 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010628.D
 Acq: 02 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	31.5	26.0	39.0





#69

Naphthalene

Concen: 134.809 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

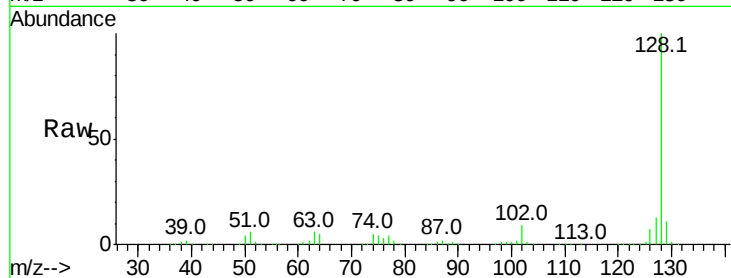
Tgt Ion:128 Resp: 731635

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

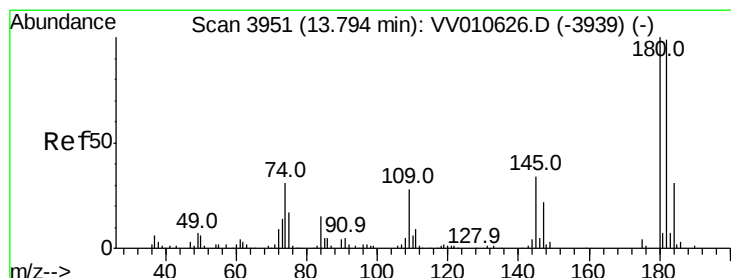
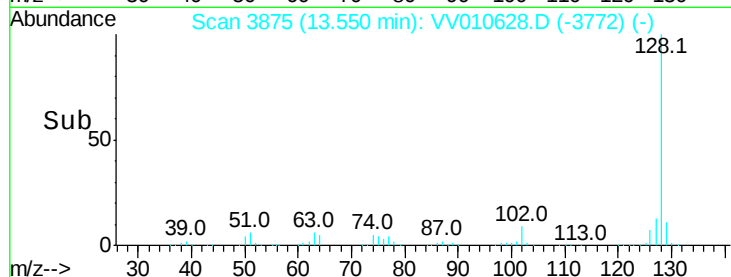
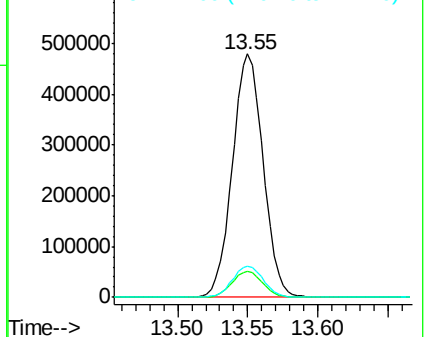
127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 101.474 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010628.D

Acq: 02 May 2019 13:18

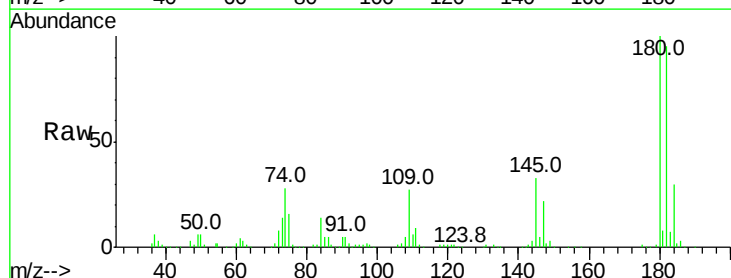
Tgt Ion:180 Resp: 317154

Ion Ratio Lower Upper

180 100

182 95.1 79.0 118.6

145 32.8 28.2 42.4



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

