

Data File : VV014568.D
Acq On : 12 Feb 2020 12:18
Operator : SY/MD
Sample : VSTD20064
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Quant Time: Feb 13 04:53:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 04:49:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305751	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	290986	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149478	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	248440	156.34	ug/L	0.00
7) Chloroethane-d5	1.57	69	167745	167.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	401267	183.67	ug/L	0.00
21) 2-Butanone-d5	3.92	46	436618	395.08	ug/L	0.00
24) Chloroform-d	4.40	84	728319	206.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	449116	209.21	ug/L	0.00
32) Benzene-d6	5.10	84	1422381	190.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	431330	184.28	ug/L	0.00
41) Toluene-d8	7.36	98	1366358	197.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	249582	206.20	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	360620	395.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	579281	190.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	525814	195.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	435808	177.247	ug/L	99
3) Chloromethane	1.26	50	361885	146.247	ug/L	97
5) Vinyl chloride	1.33	62	277670	140.376	ug/L	98
6) Bromomethane	1.52	94	141721	201.230	ug/L	100
8) Chloroethane	1.59	64	134890	153.120	ug/L	98
9) Trichlorofluoromethane	1.77	101	480985	198.812	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	201311	180.730	ug/L	98
12) 1,1-Dichloroethene	2.14	96	186199	167.654	ug/L	97
13) Acetone	2.19	43	331649	345.282	ug/L	99
14) Carbon disulfide	2.32	76	929226	170.978	ug/L	99
15) Methyl Acetate	2.45	43	333444	184.088	ug/L	100
16) Methylene chloride	2.53	84	388380	179.321	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	365293	185.949	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	1205961	198.404	ug/L	100
19) 1,1-Dichloroethane	3.23	63	657340	185.148	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	431147	195.302	ug/L	95
22) 2-Butanone	4.00	43	545422	400.590	ug/L	98
23) Bromochloromethane	4.29	128	216463	208.492	ug/L	99
25) Chloroform	4.42	83	716938	195.981	ug/L	99
27) 1,2-Dichloroethane	5.17	62	554674	212.744	ug/L	100
29) Cyclohexane	4.72	56	579871	171.419	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	650806	210.665	ug/L	99
31) Carbon tetrachloride	4.87	117	588074	216.652	ug/L	99
33) Benzene	5.14	78	1505422	181.031	ug/L	100
34) Trichloroethene	5.96	95	413497	194.640	ug/L	98
35) Methylcyclohexane	6.17	83	644131	184.933	ug/L	99
37) 1,2-Dichloropropane	6.22	63	377140	181.778	ug/L	100
38) Bromodichloromethane	6.55	83	568327	202.324	ug/L	96
39) cis-1,3-Dichloropropene	7.06	75	694821	202.177	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	942419	376.567	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1643466	187.713	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	620086	201.571	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	387023	195.089	ug/L	99
46) Tetrachloroethene	8.02	164	321150	203.199	ug/L	99
48) 2-Hexanone	8.18	43	754853	390.086	ug/L	97
49) Dibromochloromethane	8.29	129	476322	214.682	ug/L	100
50) 1,2-Dibromoethane	8.39	107	427300	200.688	ug/L	99
51) Chlorobenzene	8.92	112	1092435	193.127	ug/L	98
52) Ethylbenzene	9.05	91	1861339	188.800	ug/L	100
53) m,p-Xylene	9.18	106	719464	195.083	ug/L	99
54) o-xylene	9.58	106	681779	186.982	ug/L	99
55) Styrene	9.60	104	1183896	192.881	ug/L	98
56) Isopropylbenzene	9.97	105	1827603	194.633	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	608506	191.245	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	482030	193.605	ug/L	100
61) Bromoform	9.77	173	337110	217.225	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	881289	194.368	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	899134	192.314	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	855863	191.689	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	149530	209.249	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	641349	208.229	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	611159	217.221	ug/L	100
69) Naphthalene	13.54	128	1954822	219.582	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	587797	216.590	ug/L	99

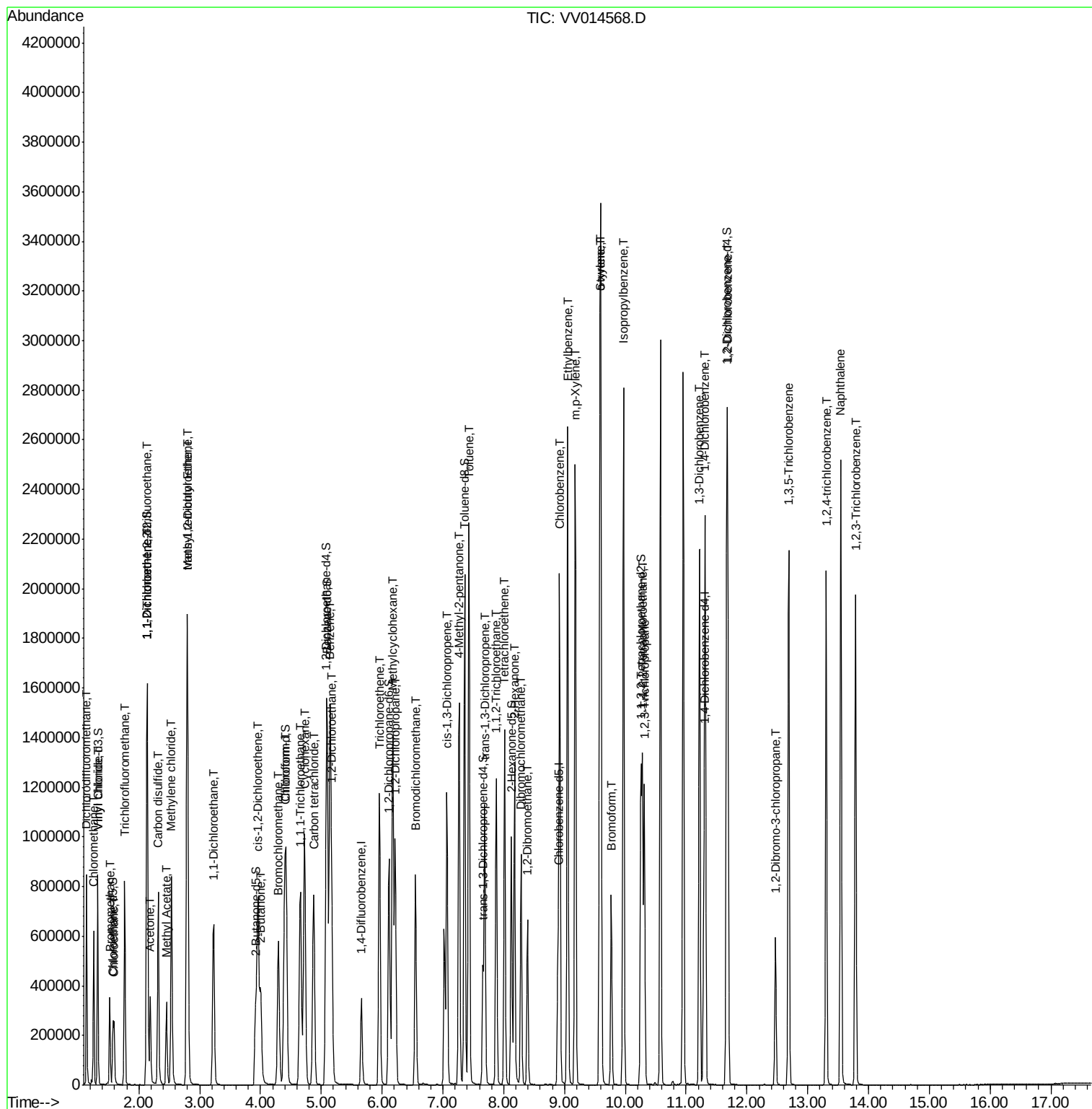
(#) = qualifier out of range (m) = manual integration (+) = signals summed

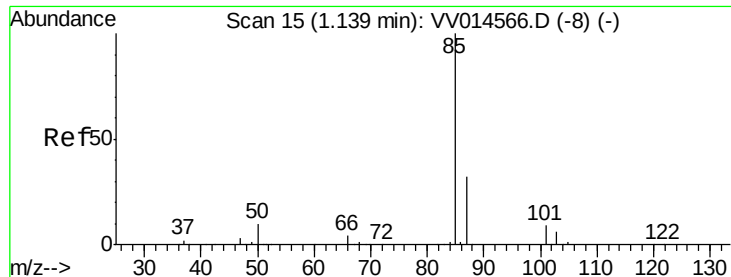
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#2

Dichlorodifluoromethane

Concen: 177.247 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

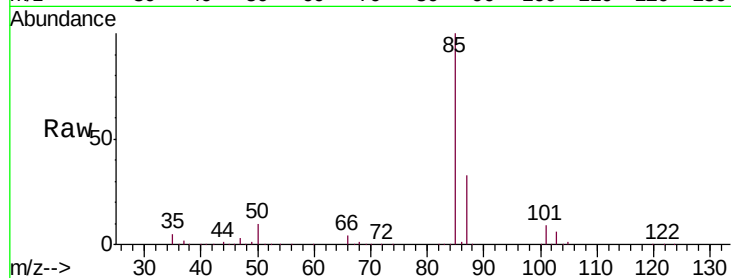
VSTD20064

Tgt Ion: 85 Resp: 435808

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

500000

400000

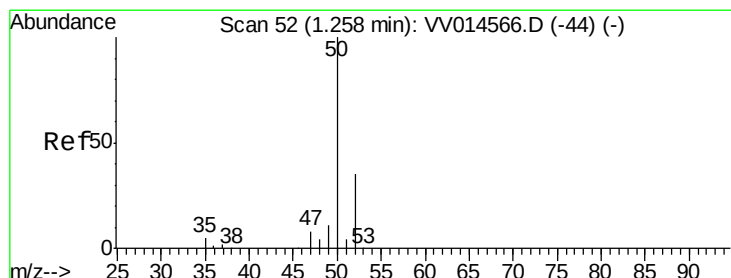
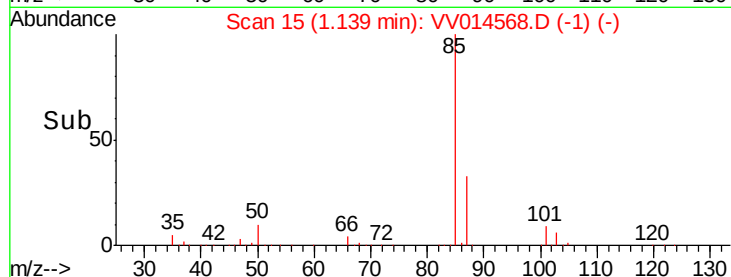
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 146.247 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014568.D

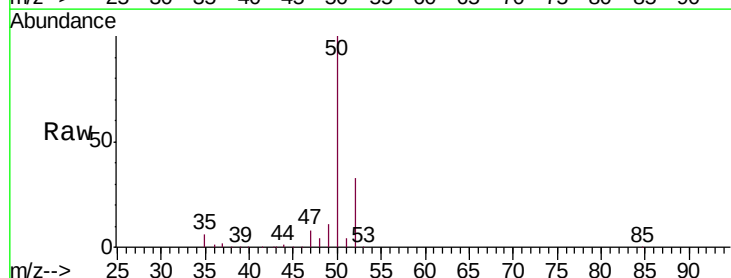
Acq: 12 Feb 2020 12:18

Tgt Ion: 50 Resp: 361885

Ion Ratio Lower Upper

50 100

52 32.9 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

400000

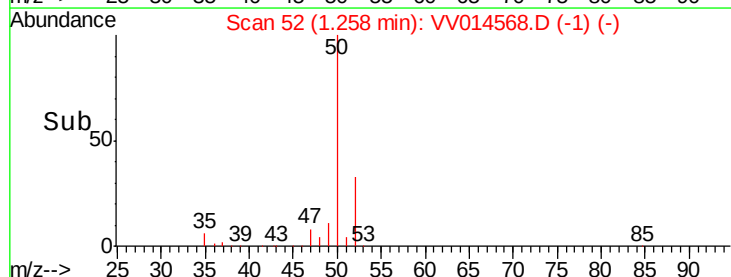
300000

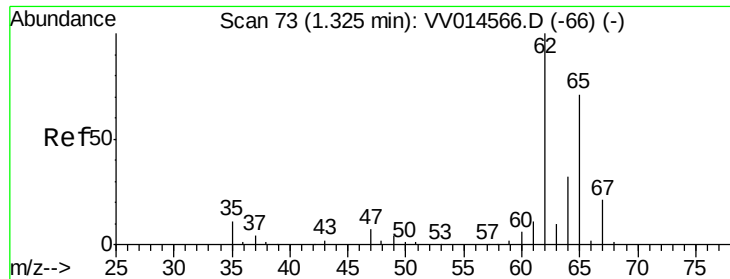
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 140.376 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

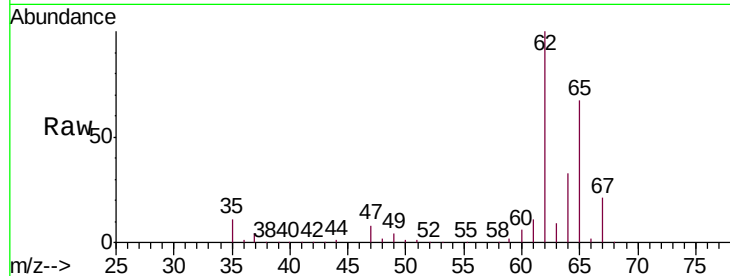
VSTD20064

Tgt Ion: 62 Resp: 277670

Ion Ratio Lower Upper

62 100

64 33.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

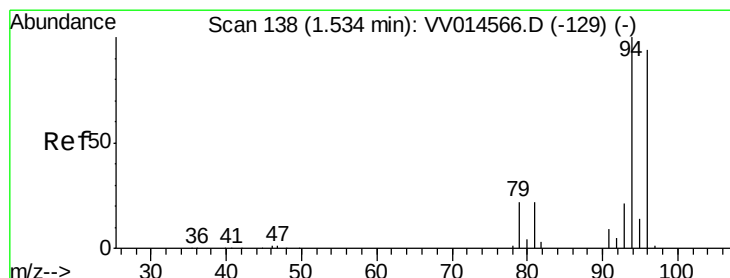
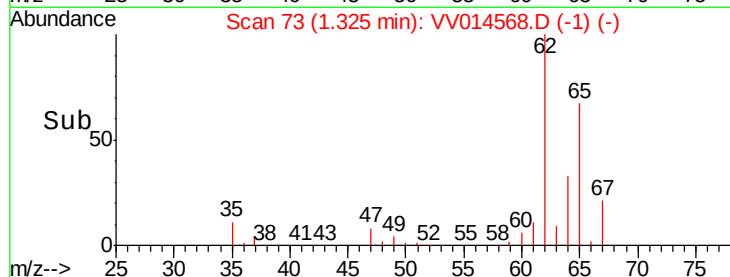
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 201.230 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV014568.D

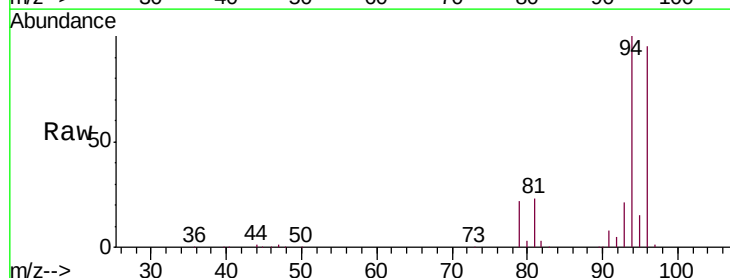
Acq: 12 Feb 2020 12:18

Tgt Ion: 94 Resp: 141721

Ion Ratio Lower Upper

94 100

96 94.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

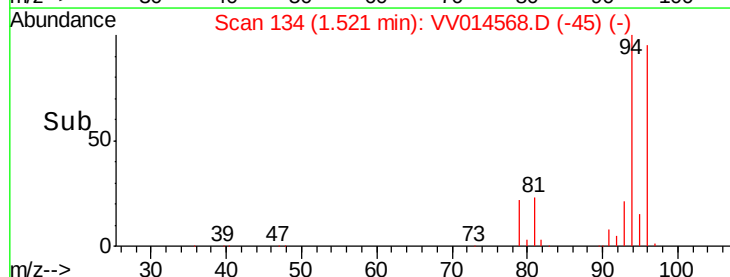
1.52

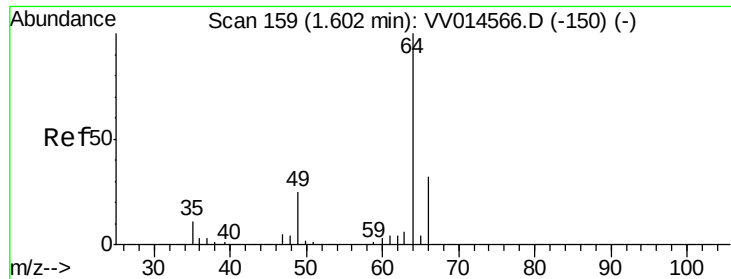
100000

50000

0

Time-->





#8

Chloroethane

Concen: 153.120 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

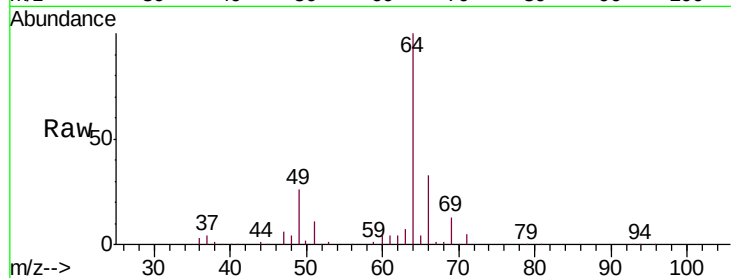
VSTD20064

Tgt Ion: 64 Resp: 134890

Ion Ratio Lower Upper

64 100

66 33.1 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV014566.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014566.D (-150) (-)

1.59

120000

100000

80000

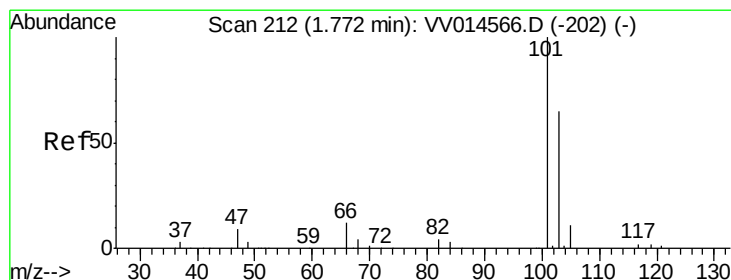
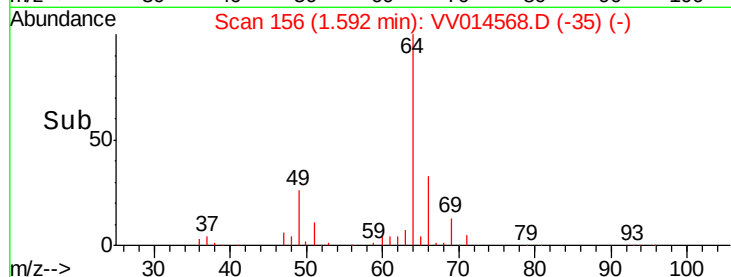
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 198.812 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.01 min

Lab File: VV014568.D

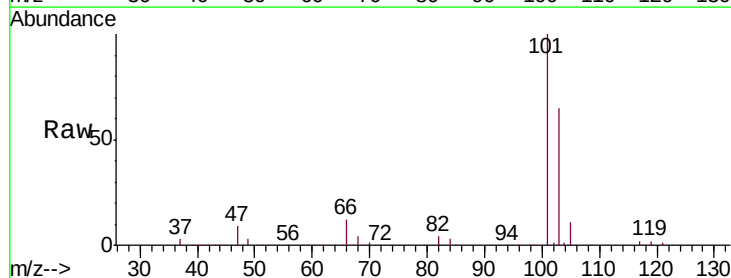
Acq: 12 Feb 2020 12:18

Tgt Ion: 101 Resp: 480985

Ion Ratio Lower Upper

101 100

103 64.7 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV014566.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014566.D (-202) (-)

1.77

400000

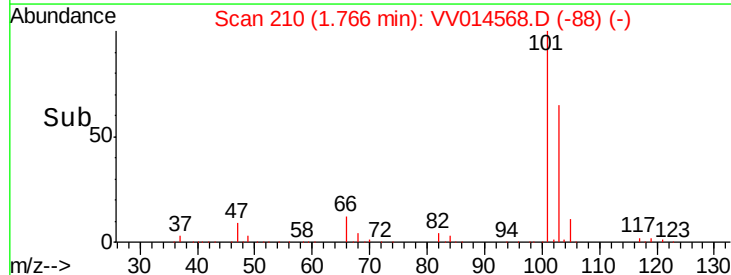
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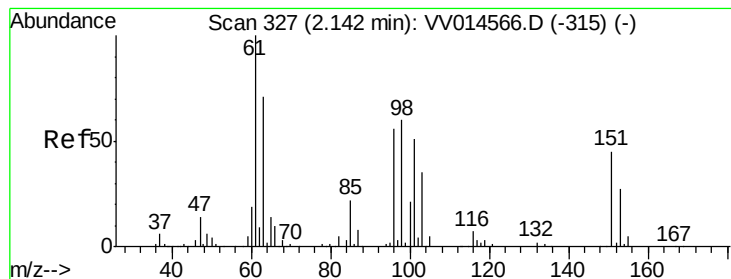
200000

100000

0

Time-->





#10

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

Concen: 180.730 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

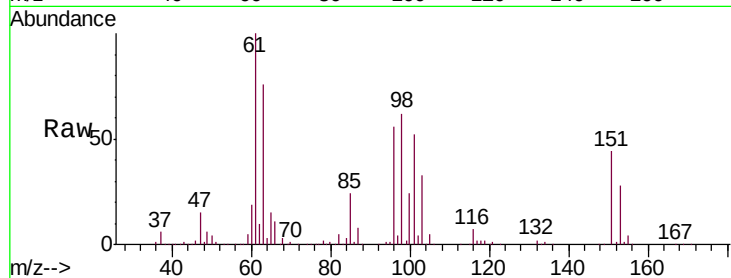
Tgt Ion: 101 Resp: 201311

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.0

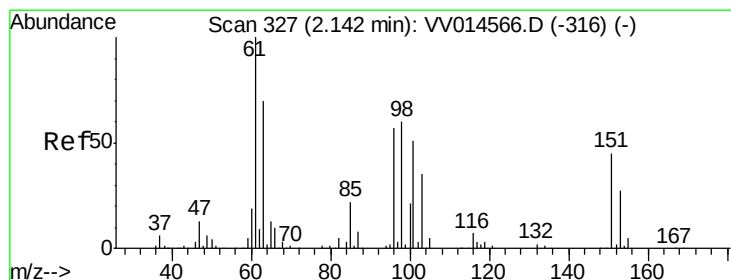
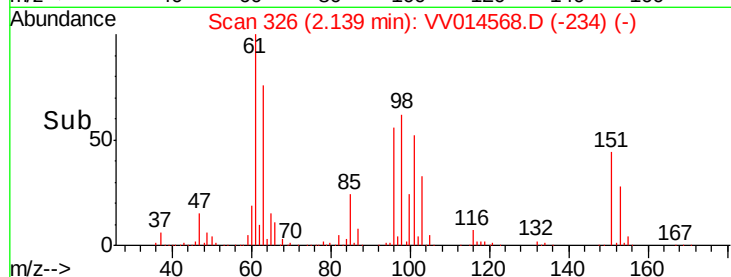
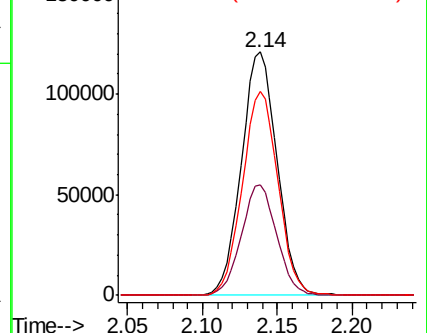
151 83.4 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 167.654 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

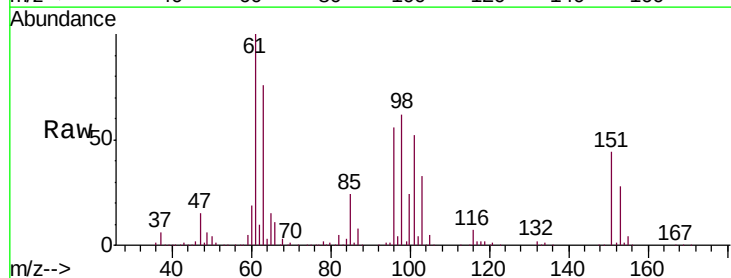
Tgt Ion: 96 Resp: 186199

Ion Ratio Lower Upper

96 100

61 177.2 124.2 230.6

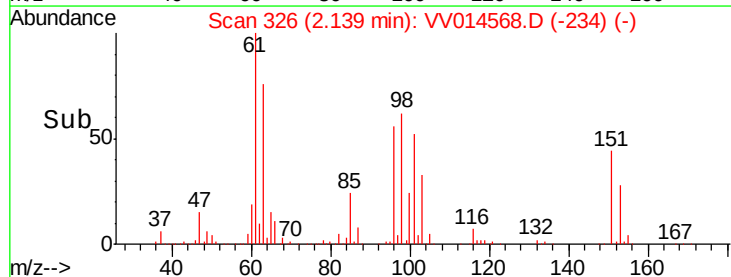
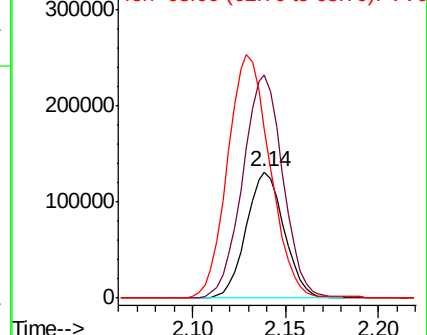
63 134.8 89.2 165.8

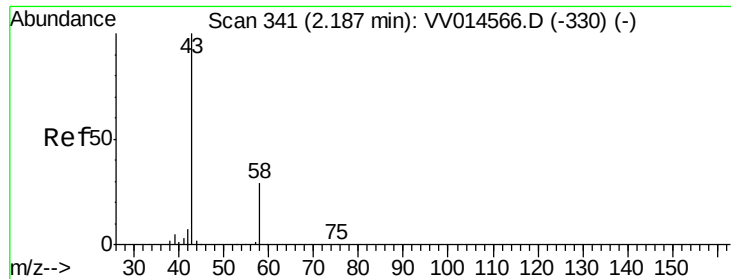


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 345.282 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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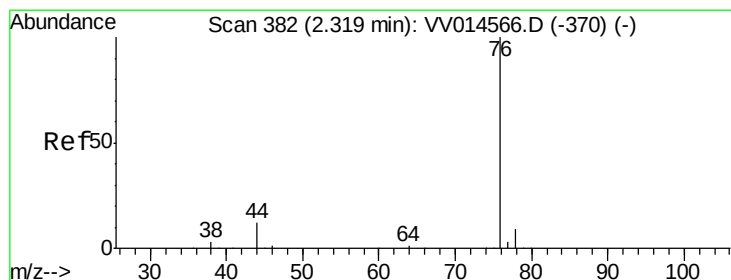
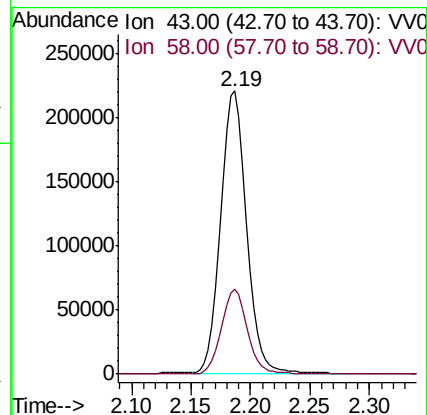
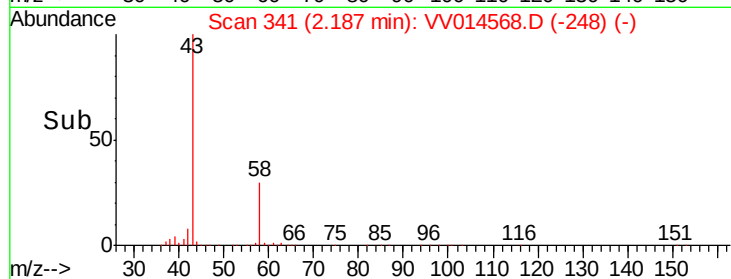
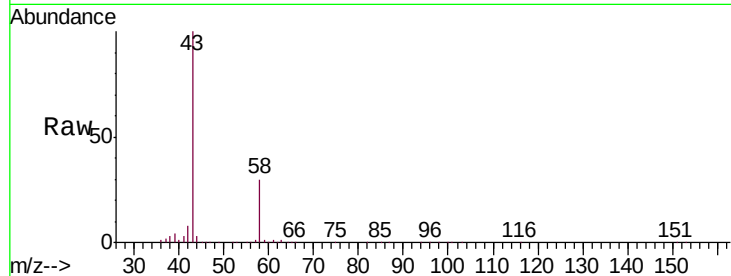
VSTD20064

Tgt Ion: 43 Resp: 331649

Ion Ratio Lower Upper

43 100

58 30.0 0.0 58.8



#14

Carbon disulfide

Concen: 170.978 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014568.D

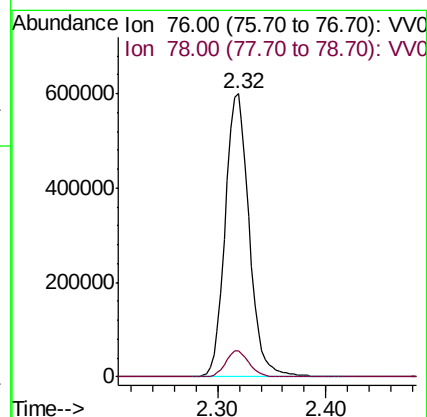
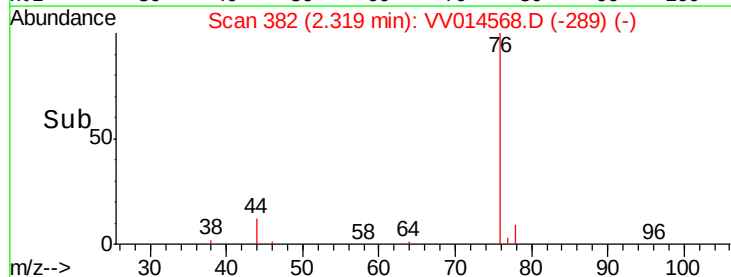
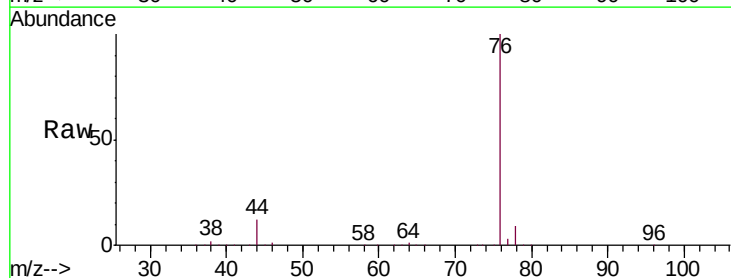
Acq: 12 Feb 2020 12:18

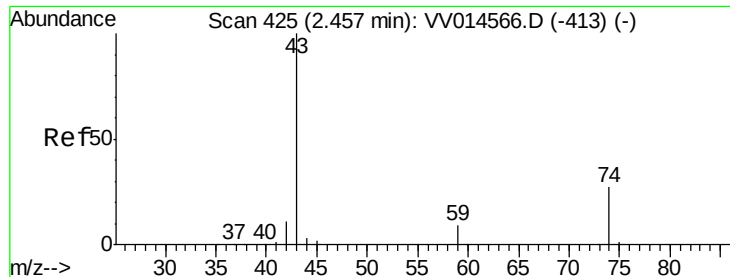
Tgt Ion: 76 Resp: 929226

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

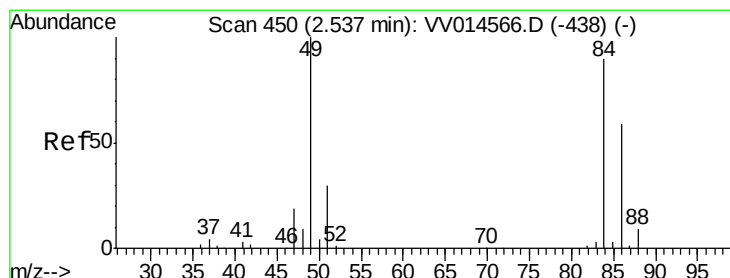
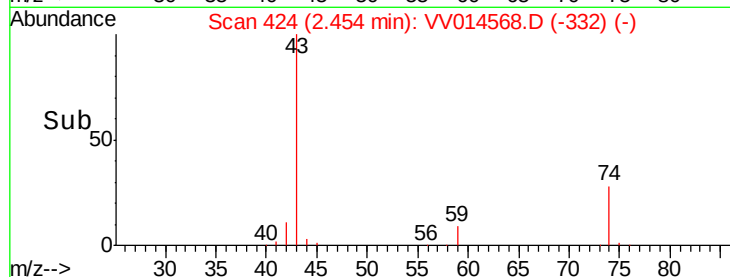
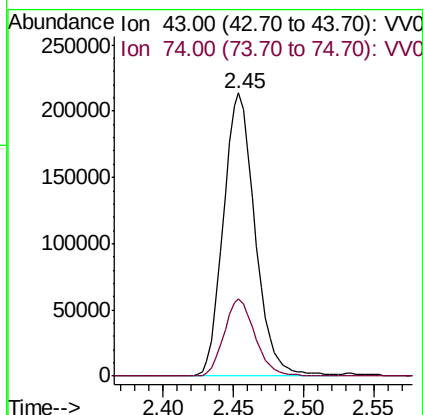
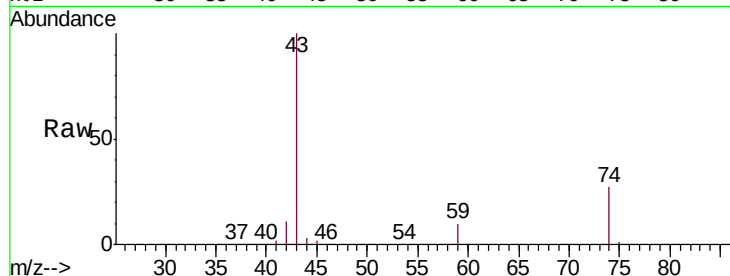




#15
Methyl Acetate
Concen: 184.088 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

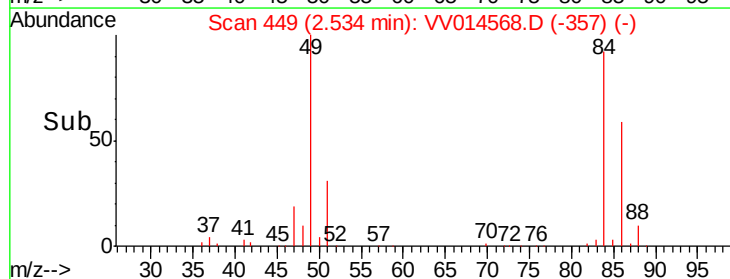
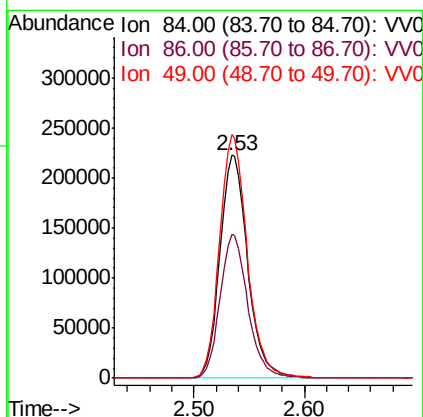
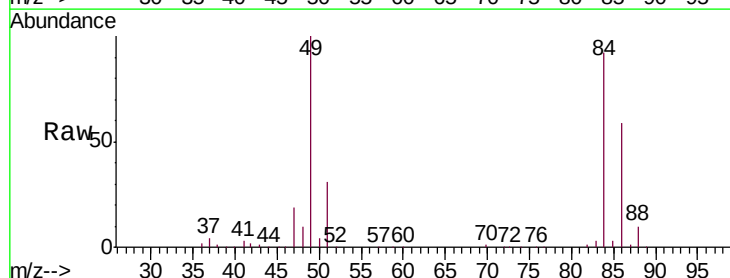
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

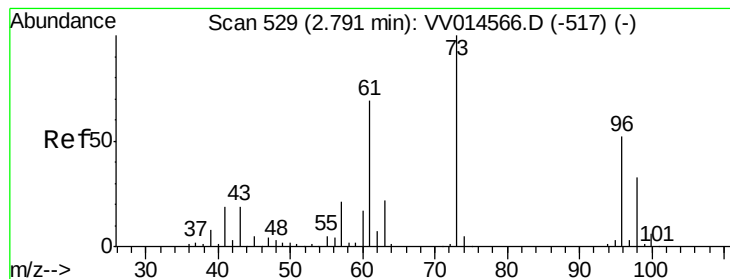
Tgt Ion: 43 Resp: 333444
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.2



#16
Methylene chloride
Concen: 179.321 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Tgt Ion: 84 Resp: 388380
Ion Ratio Lower Upper
84 100
86 64.4 46.3 86.1
49 109.2 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 185.949 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampled :

VSTD20064

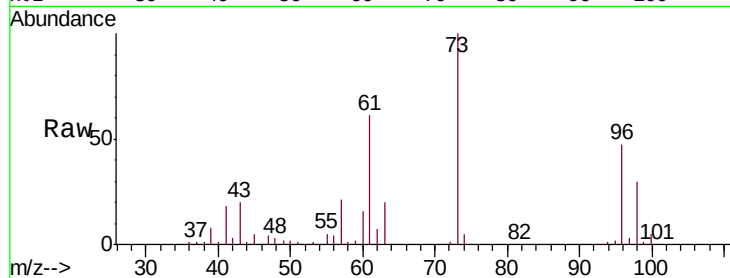
Tgt Ion: 96 Resp: 365293

Ion Ratio Lower Upper

96 100

61 129.7 93.0 172.6

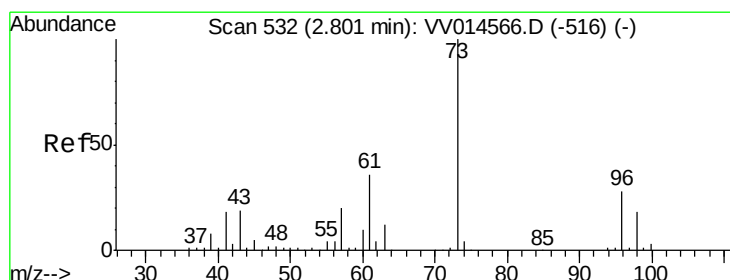
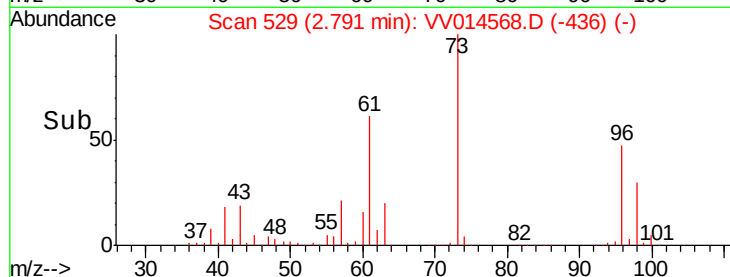
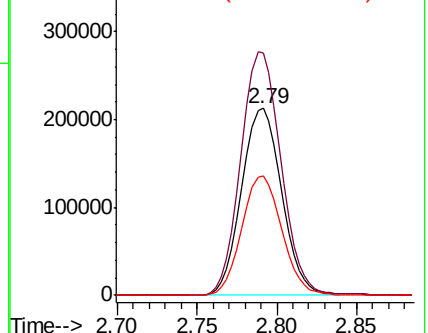
98 63.7 44.2 82.0



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: 198.404 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

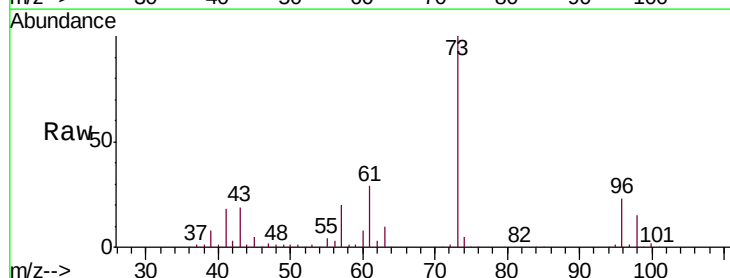
Tgt Ion: 73 Resp: 1205961

Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

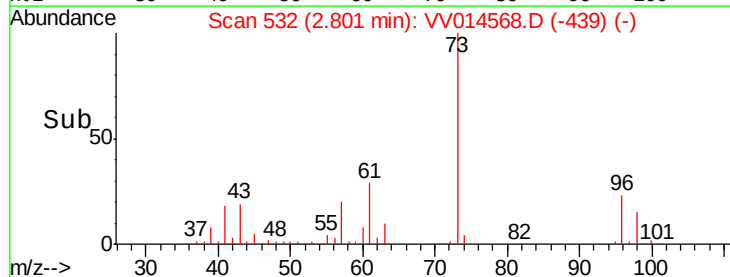
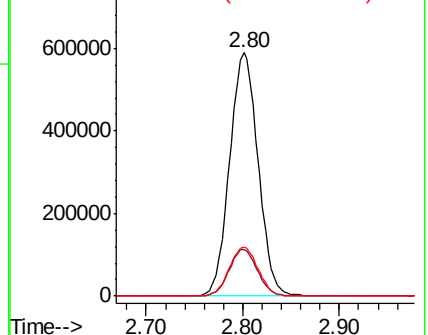
57 20.5 16.2 24.4

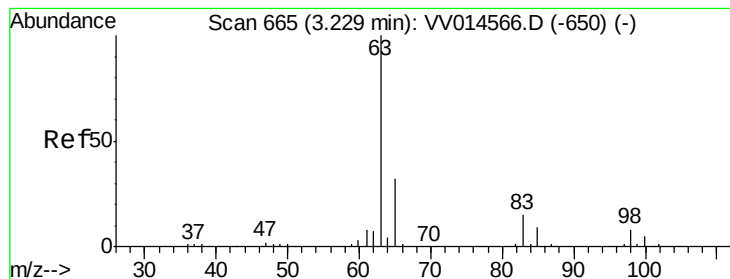


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 185.148 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

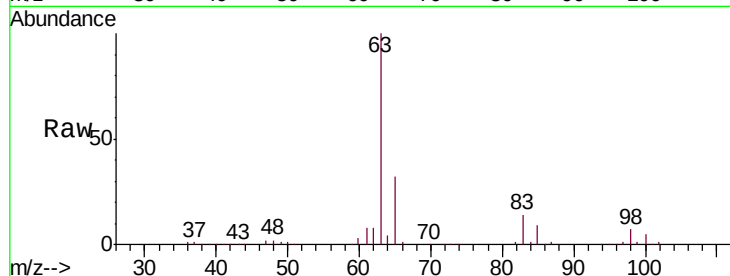
Tgt Ion: 63 Resp: 657340

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

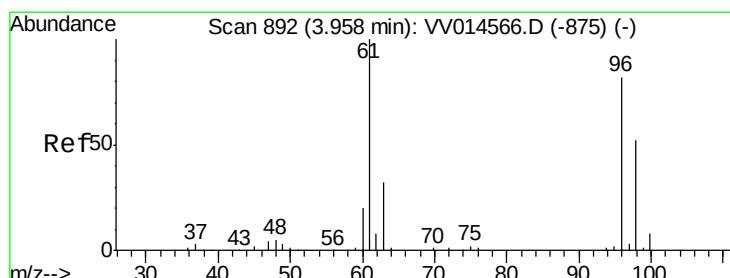
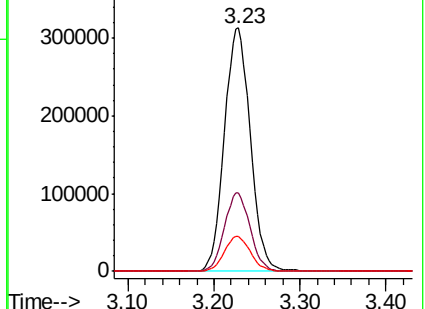
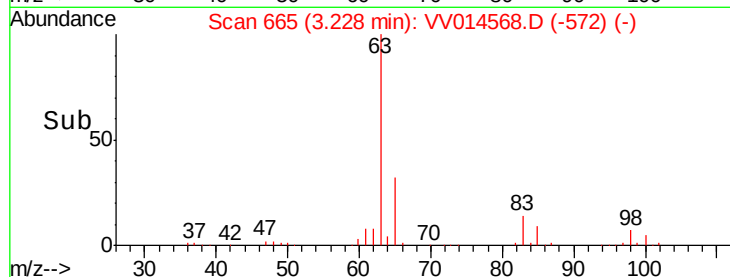
83 14.4 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV014568.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV014568.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV014568.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 195.302 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

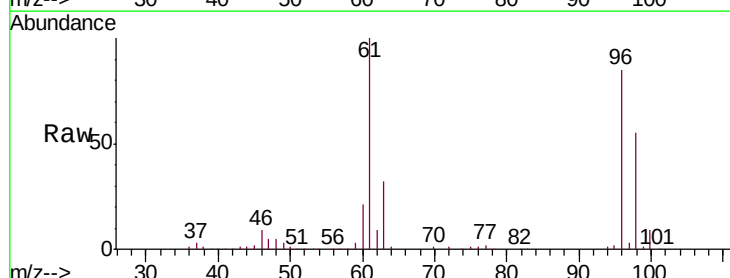
Tgt Ion: 96 Resp: 431147

Ion Ratio Lower Upper

96 100

61 117.5 85.9 159.5

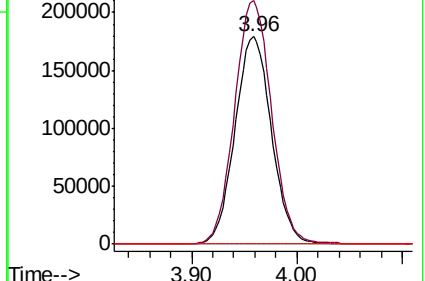
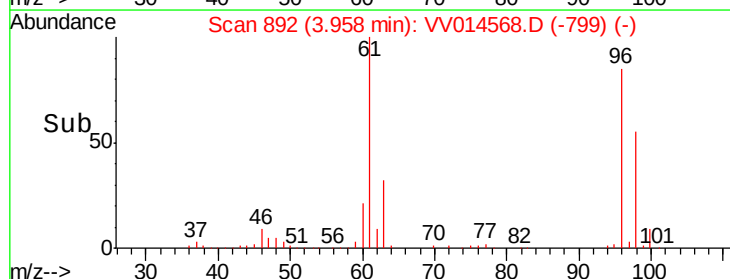
68 0.0 0.0 0.0

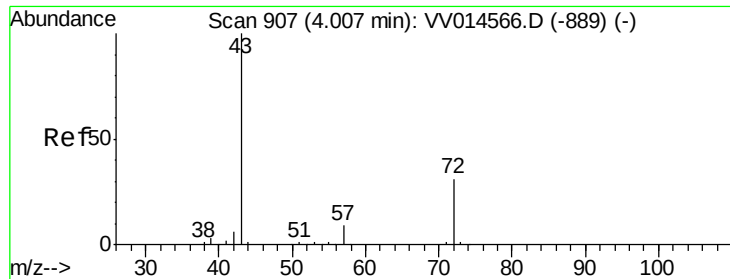


Abundance Ion 96.00 (95.70 to 96.70): VV014568.D (-799) (-)

Ion 61.00 (60.70 to 61.70): VV014568.D (-799) (-)

Ion 68.00 (67.70 to 68.70): VV014568.D (-799) (-)





#22

2-Butanone

Concen: 400.590 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

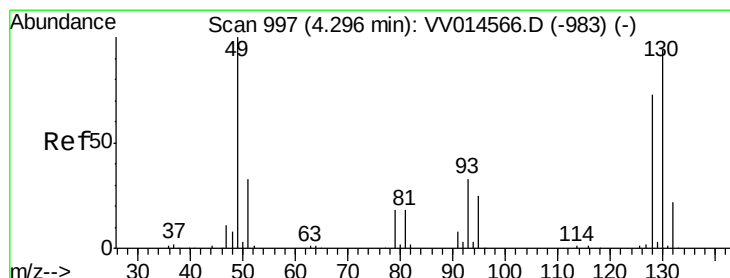
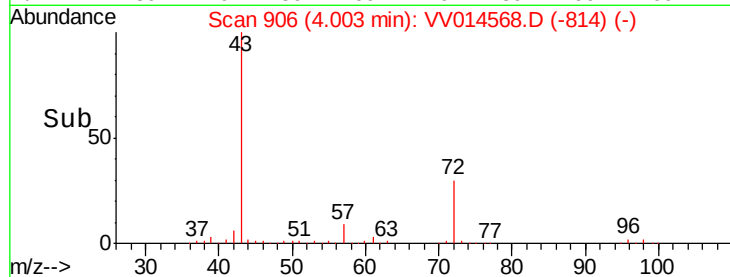
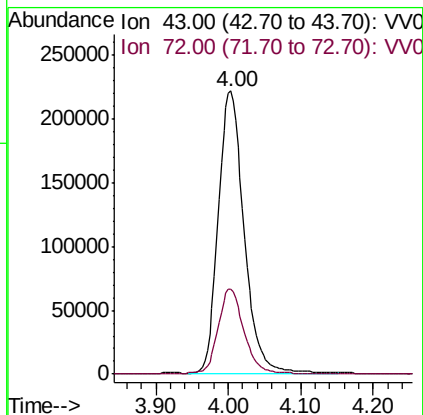
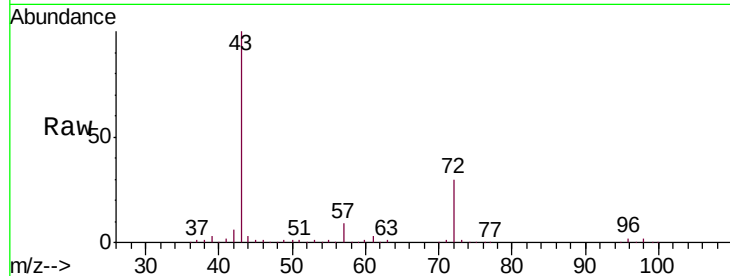
VSTD20064

Tgt Ion: 43 Resp: 545422

Ion Ratio Lower Upper

43 100

72 30.6 15.9 47.7



#23

Bromochloromethane

Concen: 208.492 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Tgt Ion: 128 Resp: 216463

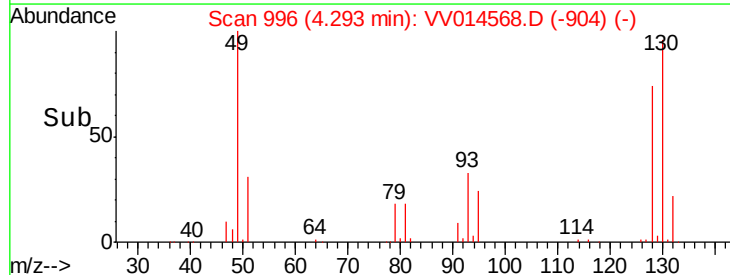
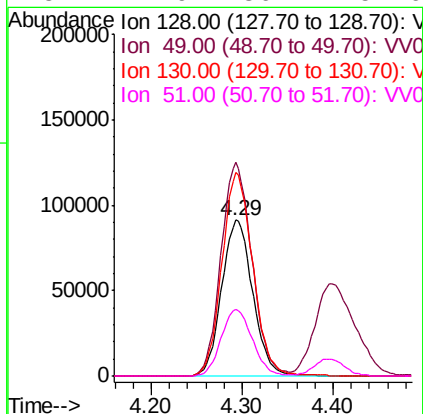
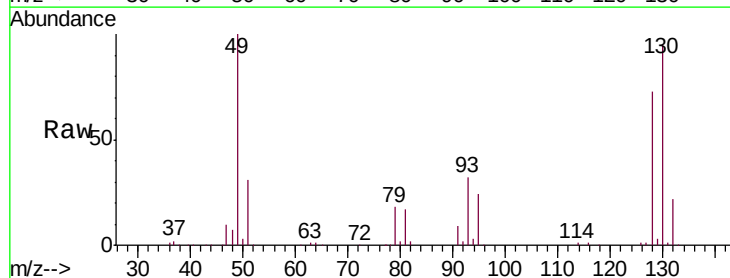
Ion Ratio Lower Upper

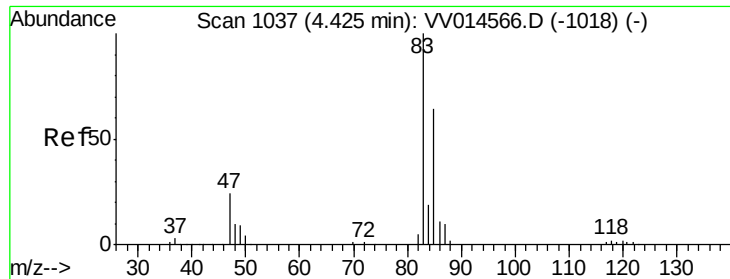
128 100

49 137.0 97.1 180.3

130 130.2 90.7 168.5

51 42.9 36.4 54.6

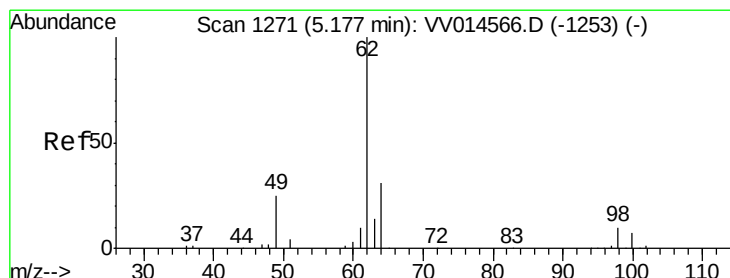
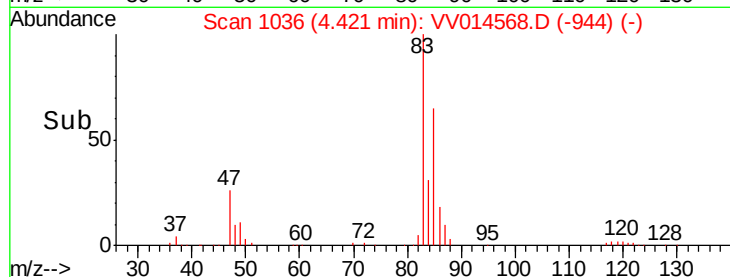
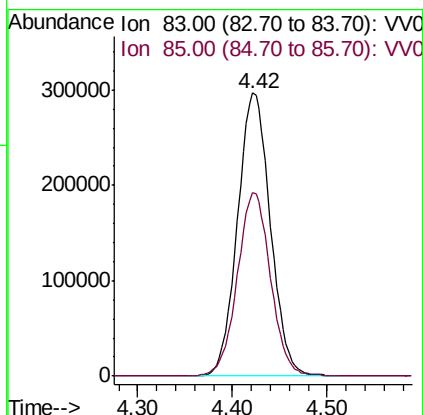
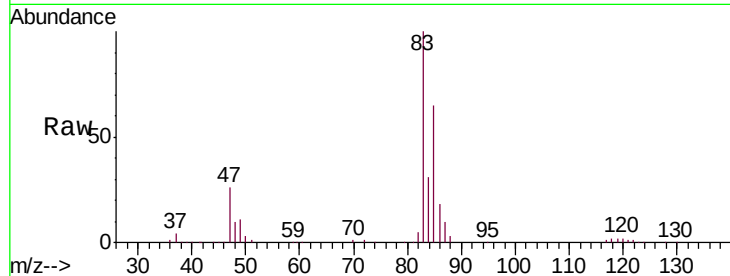




#25
Chloroform
Concen: 195.981 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

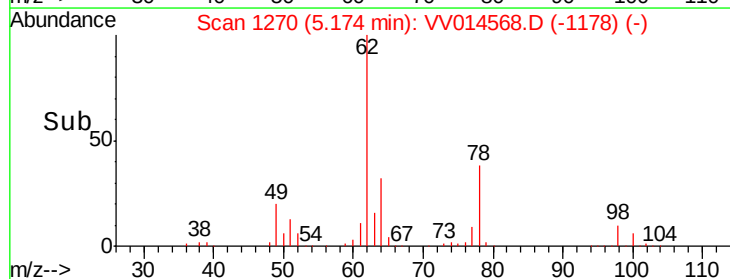
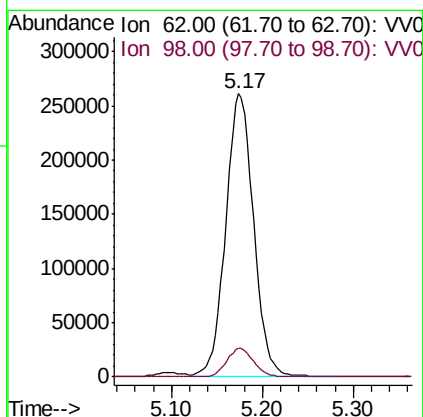
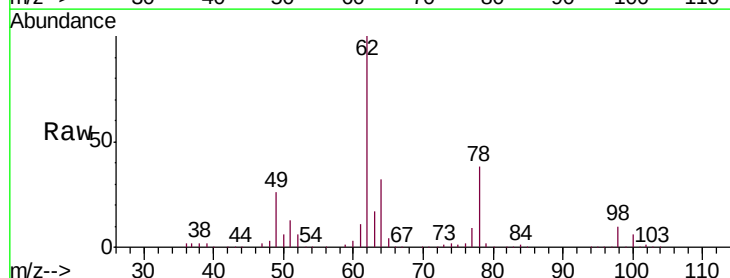
Instrument :
MSVOA_V
ClientSampled :
VSTD20064

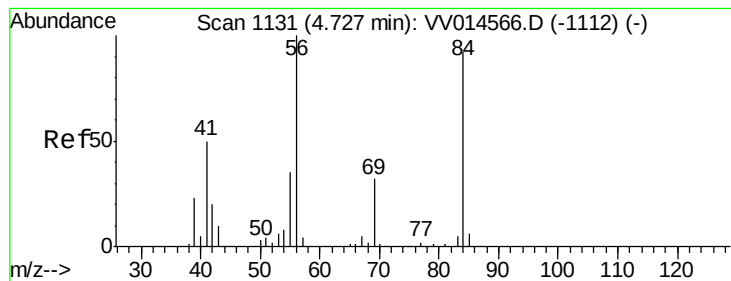
Tgt Ion: 83 Resp: 716938
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 212.744 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Tgt Ion: 62 Resp: 554674
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9





#29

Cyclohexane

Concen: 171.419 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

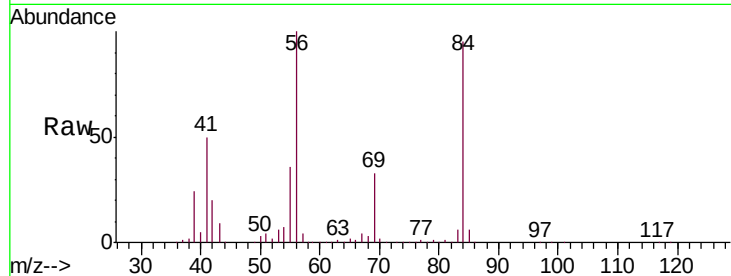
Tgt Ion: 56 Resp: 579871

Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

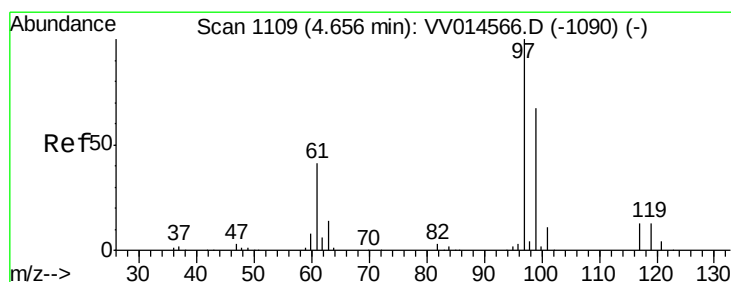
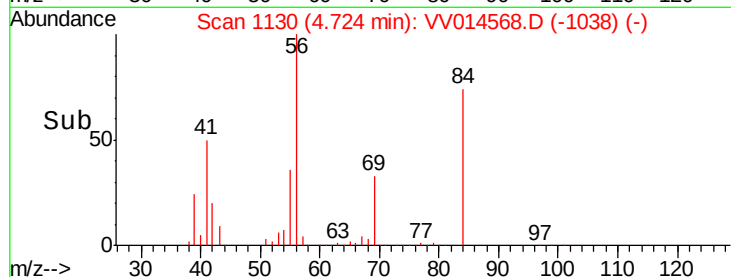
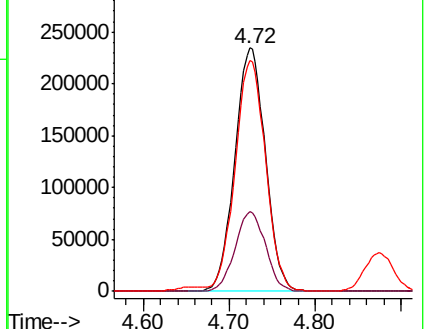
84 94.5 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 210.665 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

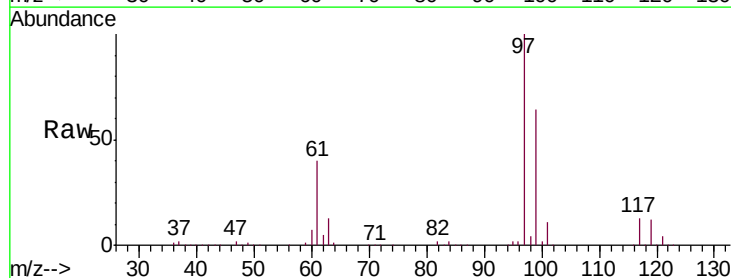
Tgt Ion: 97 Resp: 650806

Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

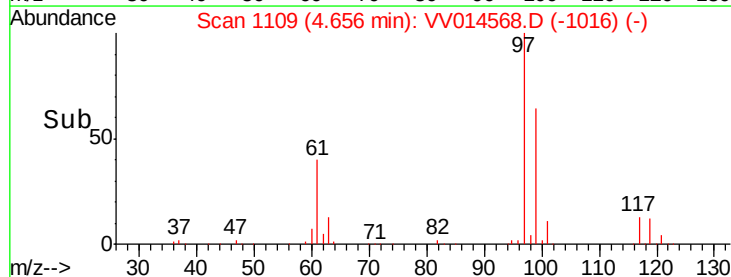
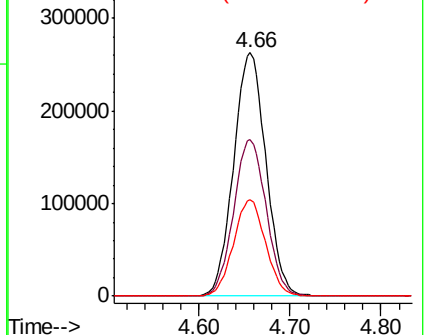
61 39.5 32.4 48.6

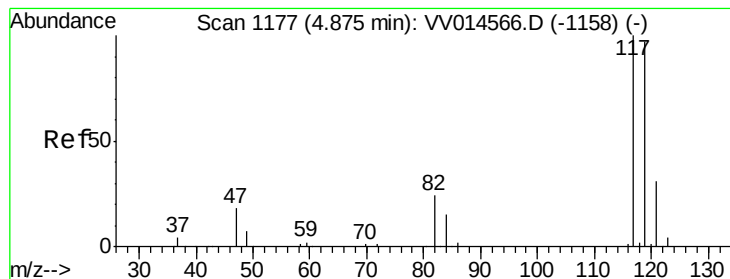


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 216.652 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

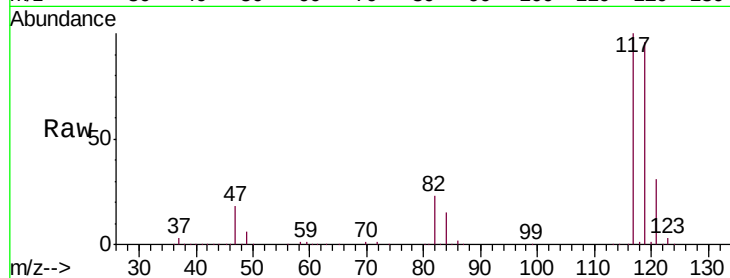
VSTD20064

Tgt Ion:117 Resp: 588074

Ion Ratio Lower Upper

117 100

119 95.9 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

100000

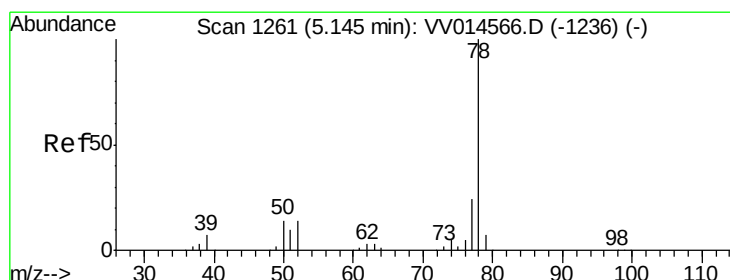
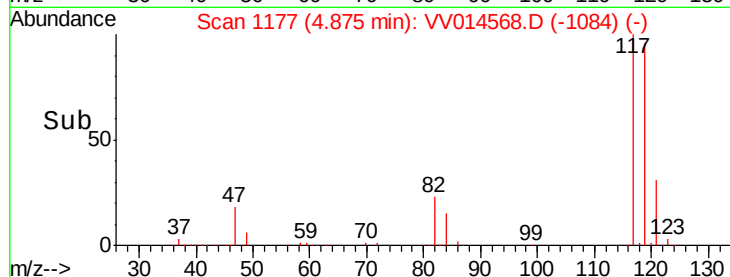
50000

0

4.87

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 181.031 ug/L

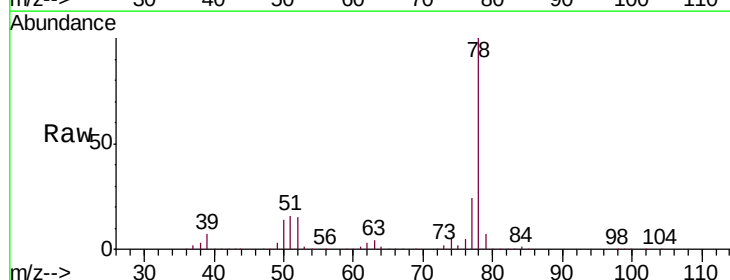
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Tgt Ion: 78 Resp: 1505422



Abundance Ion 78.00 (77.70 to 78.70): VV0

800000

600000

400000

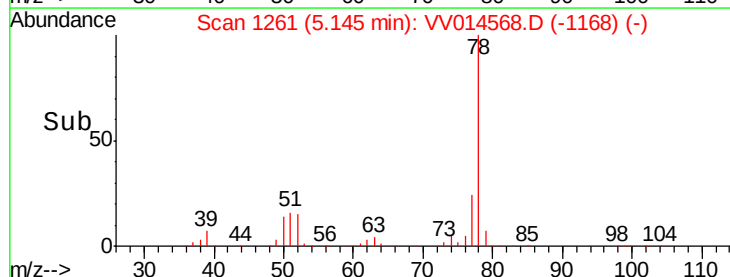
200000

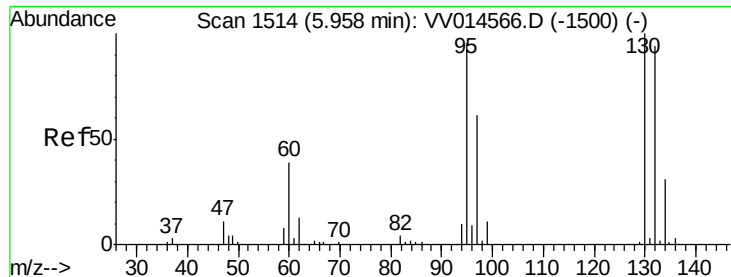
0

5.14

5.00 5.10 5.20 5.30

Time-->

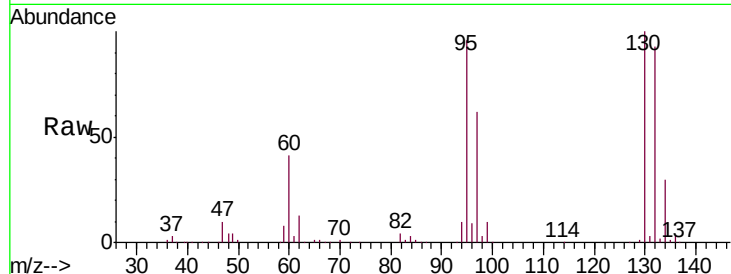




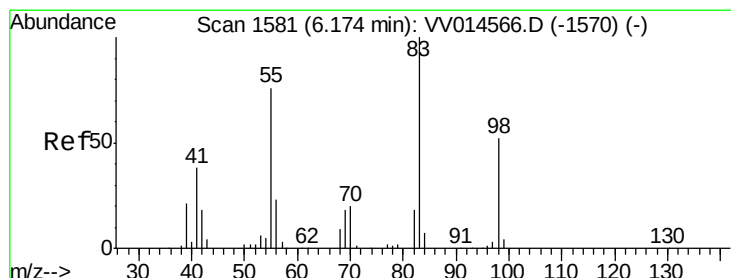
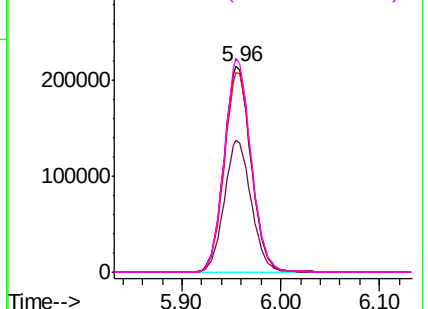
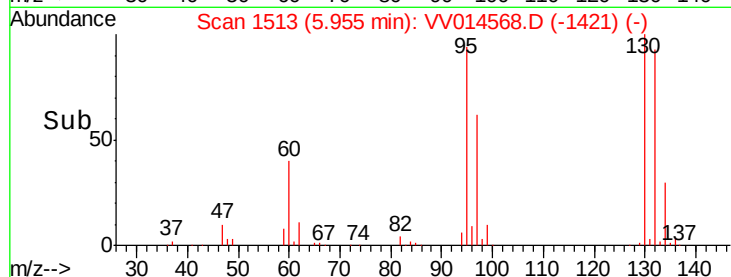
#34
 Trichloroethene
 Concen: 194.640 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:	95	Resp:	413497
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.3	84.1
132	96.8	69.6	129.2
130	103.8	74.0	137.4

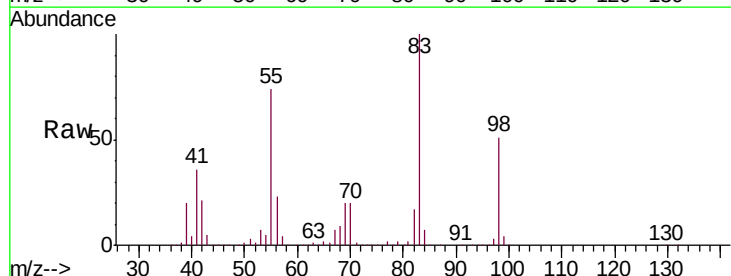


Abundance Ion 95.00 (94.70 to 95.70): VV014568.D (-1421) (-)
 Ion 97.00 (96.70 to 97.70): VV014568.D (-1421) (-)
 Ion 132.00 (131.70 to 132.70): VV014568.D (-1421) (-)
 Ion 130.00 (129.70 to 130.70): VV014568.D (-1421) (-)

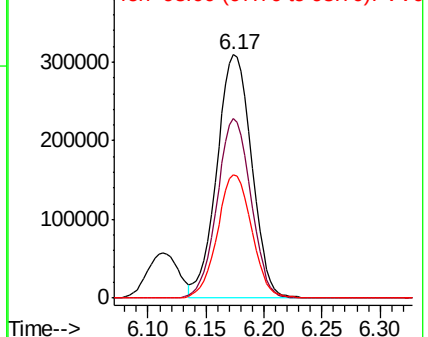
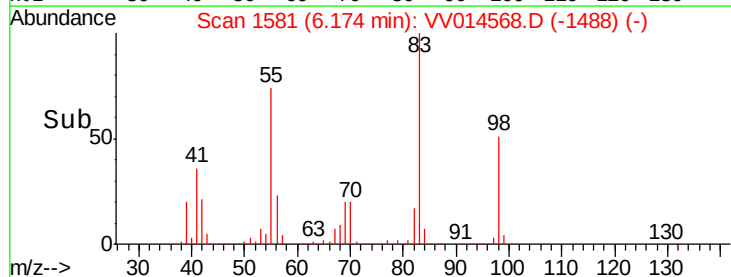


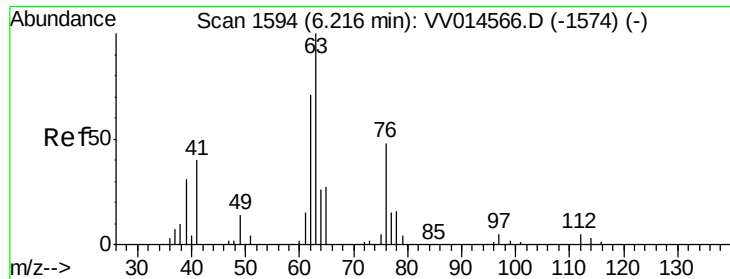
#35
 Methylcyclohexane
 Concen: 184.933 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Tgt Ion:	83	Resp:	644131
Ion	Ratio	Lower	Upper
83	100		
55	71.4	57.8	86.6
98	50.1	39.7	59.5



Abundance Ion 83.00 (82.70 to 83.70): VV014568.D (-1488) (-)
 Ion 55.00 (54.70 to 55.70): VV014568.D (-1488) (-)
 Ion 98.00 (97.70 to 98.70): VV014568.D (-1488) (-)

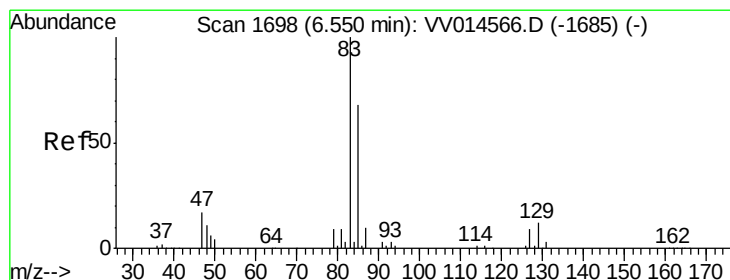
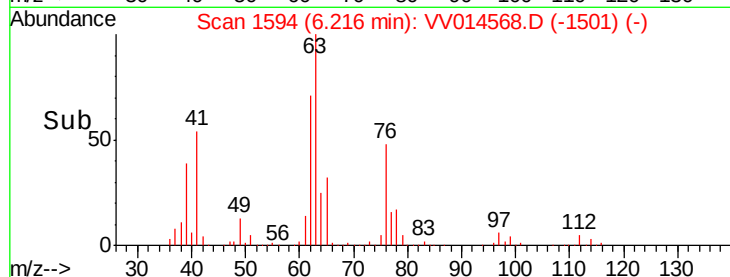
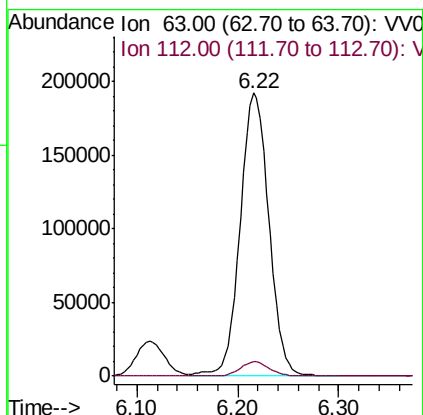
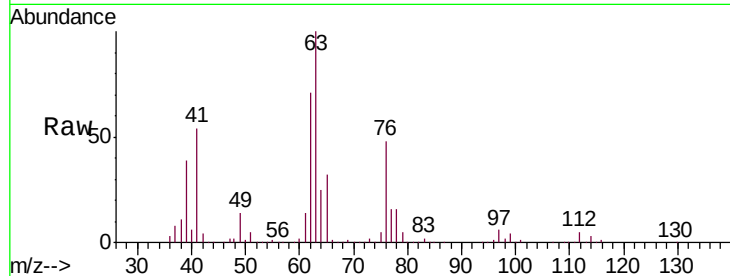




#37
 1,2-Dichloropropane
 Concen: 181.778 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

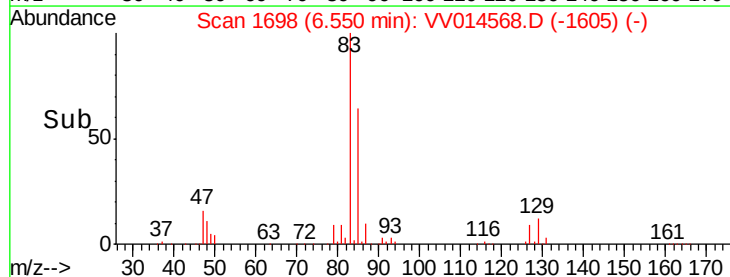
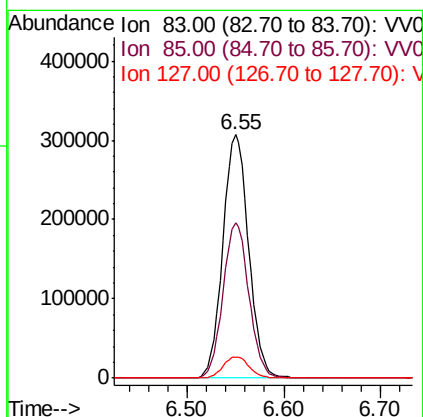
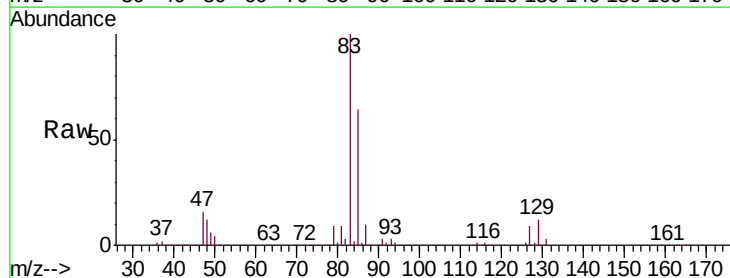
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

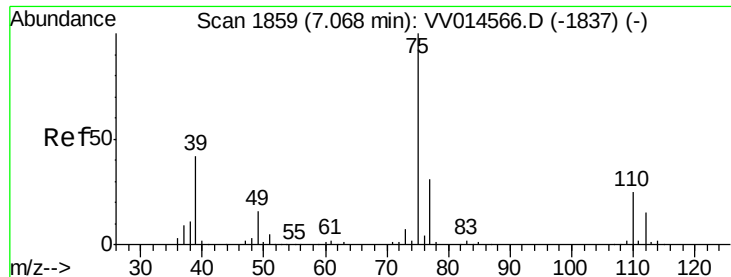
Tgt Ion: 63 Resp: 377140
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 202.324 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Tgt Ion: 83 Resp: 568327
 Ion Ratio Lower Upper
 83 100
 85 63.8 47.3 87.8
 127 8.6 7.5 11.3

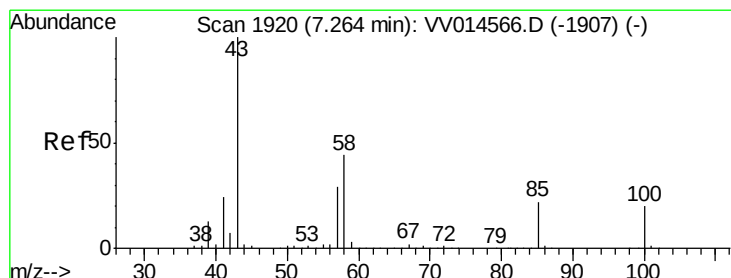
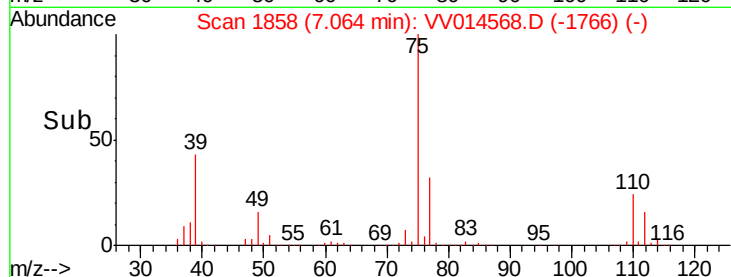
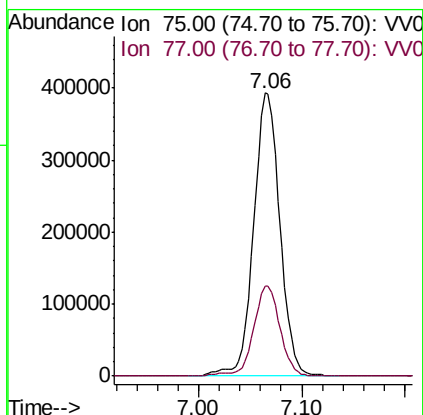
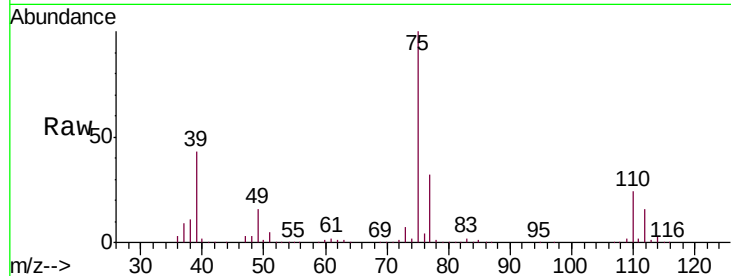




#39
 cis-1,3-Dichloropropene
 Concen: 202.177 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

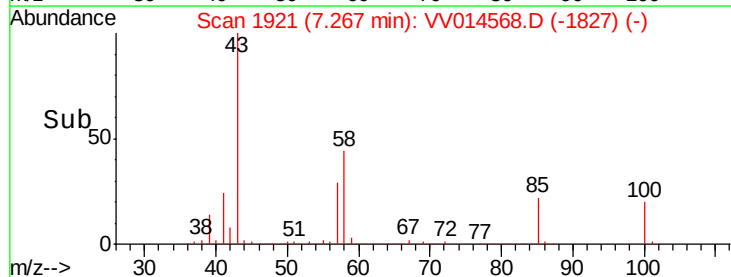
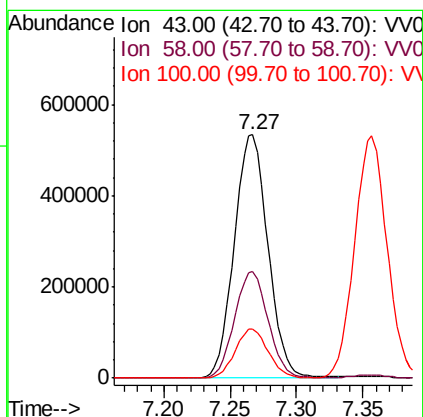
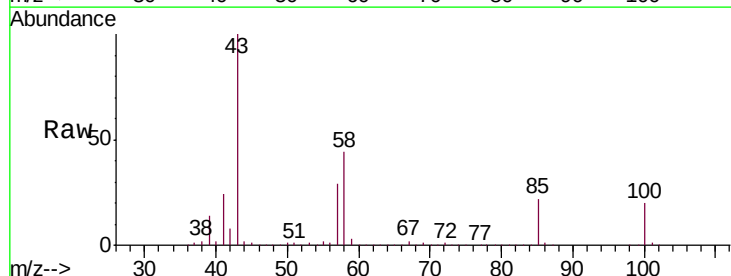
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

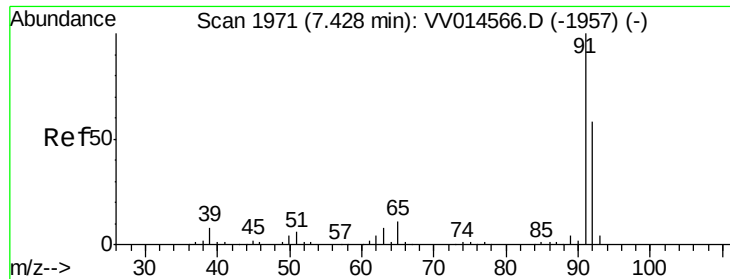
Tgt Ion: 75 Resp: 694821
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 376.567 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Tgt Ion: 43 Resp: 942419
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.0 52.6
 100 19.7 15.7 23.5





#42

Toluene

Concen: 187.713 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

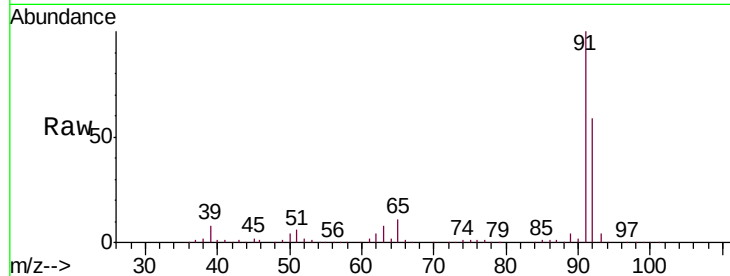
VSTD20064

Tgt Ion: 91 Resp: 1643466

Ion Ratio Lower Upper

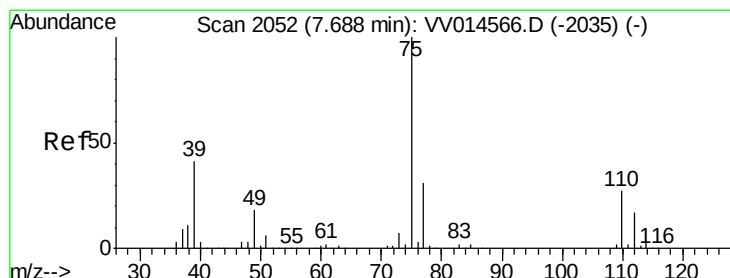
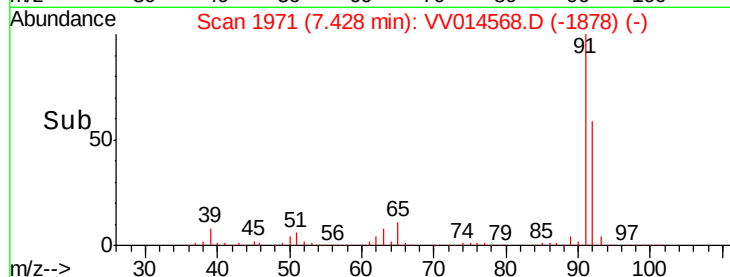
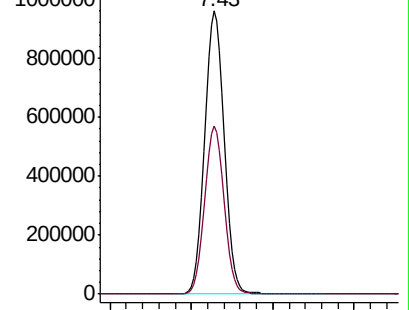
91 100

92 59.3 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014566.D (-1957) (-)



#44

trans-1,3-Dichloropropene

Concen: 201.571 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014568.D

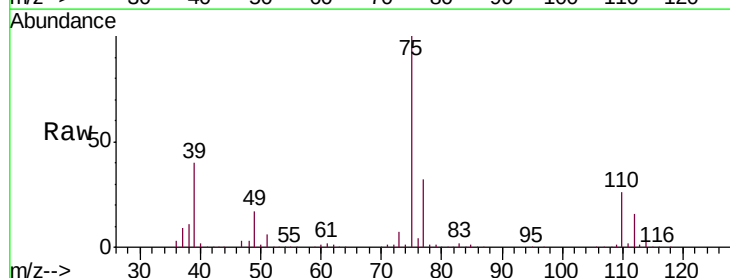
Acq: 12 Feb 2020 12:18

Tgt Ion: 75 Resp: 620086

Ion Ratio Lower Upper

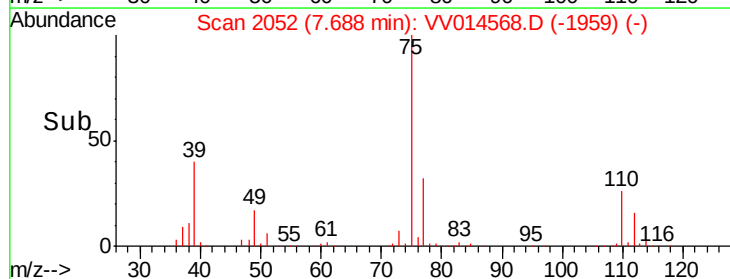
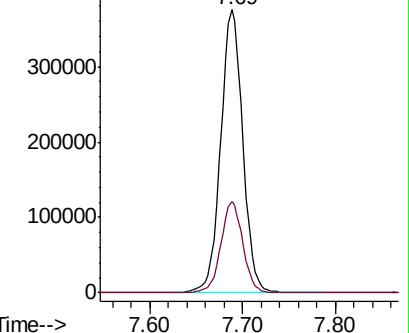
75 100

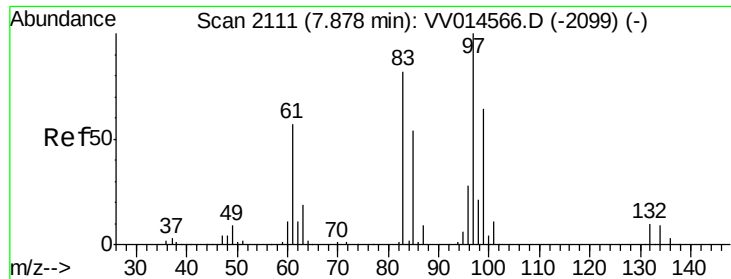
77 32.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV014566.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014566.D (-2035) (-)

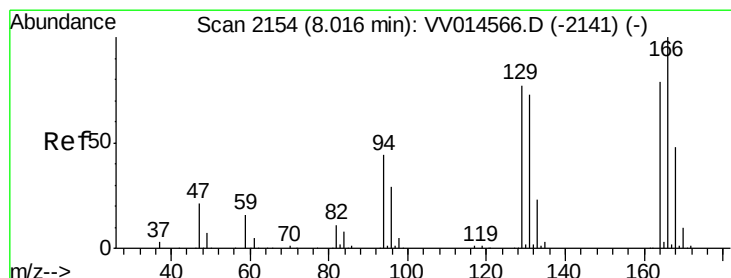
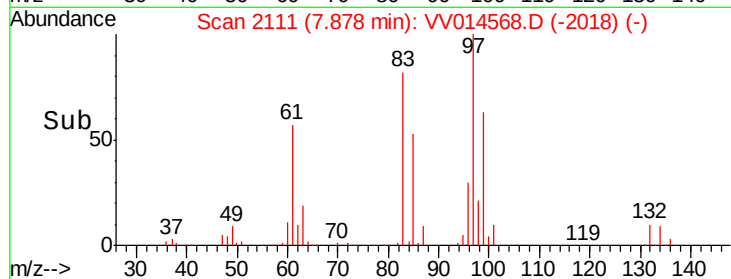
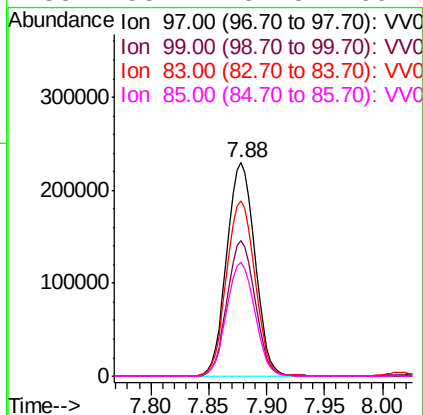
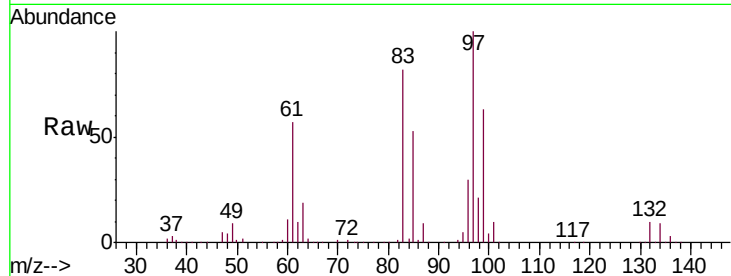




#45
 1,1,2-Trichloroethane
 Concen: 195.089 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

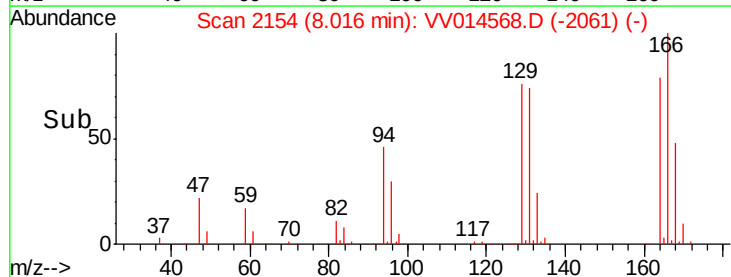
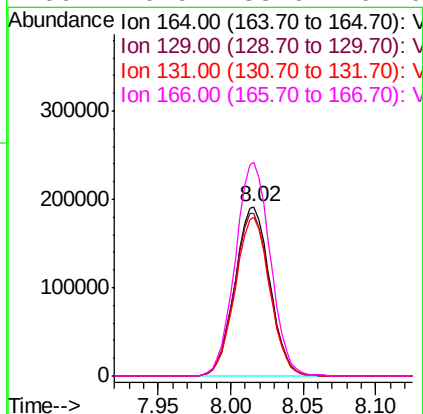
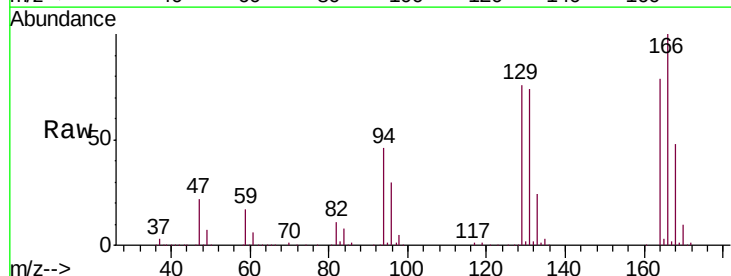
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

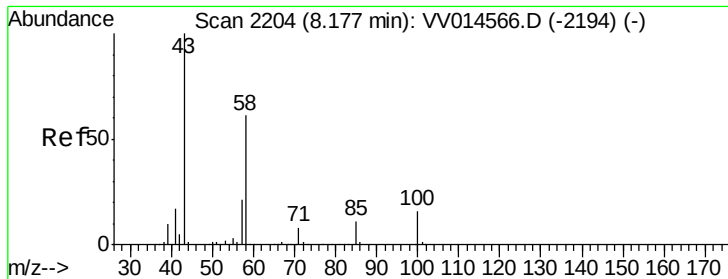
Tgt Ion:	97	Resp:	387023
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.9	83.3
83	82.3	57.5	106.7
85	53.2	37.5	69.7



#46
 Tetrachloroethene
 Concen: 203.199 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Tgt Ion:	164	Resp:	321150
Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.8	126.0
131	93.3	64.5	119.9
166	126.0	88.6	164.6

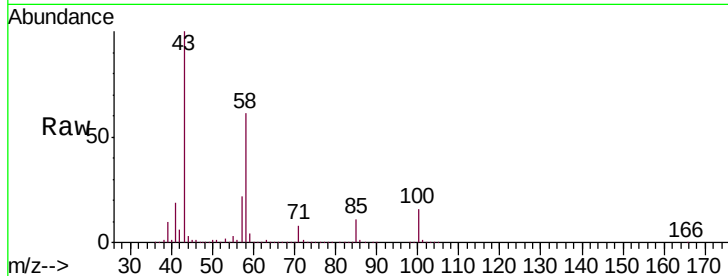




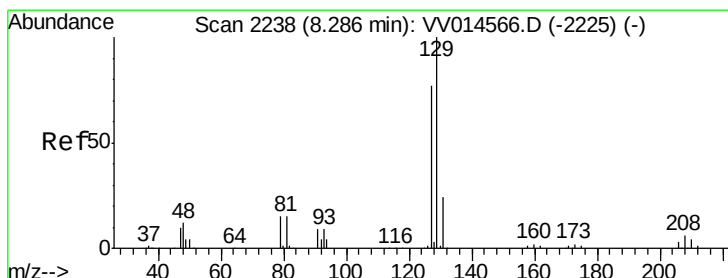
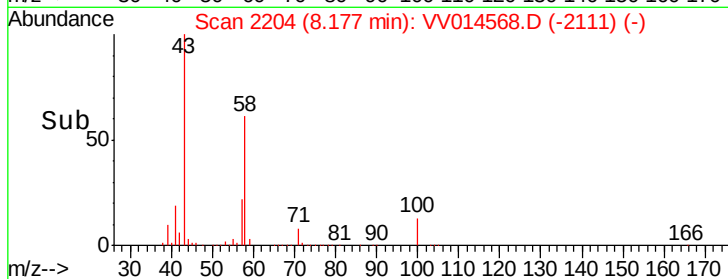
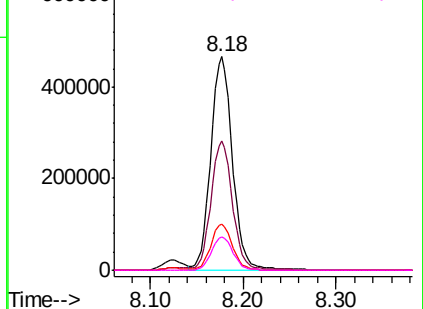
#48
2-Hexanone
Concen: 390.086 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion: 43 Resp: 754853
Ion Ratio Lower Upper
43 100
58 60.0 50.4 75.6
57 21.9 17.8 26.6
100 15.7 12.6 19.0

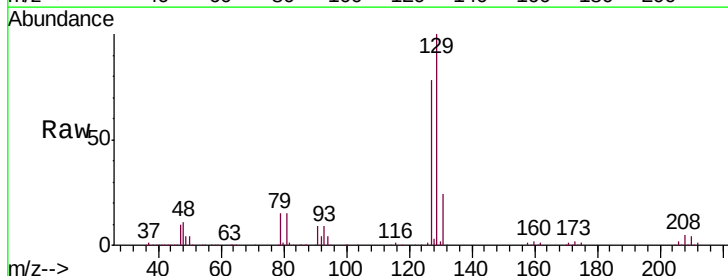


Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VV014566.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VV014566.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VV014566.D (-2194) (-)

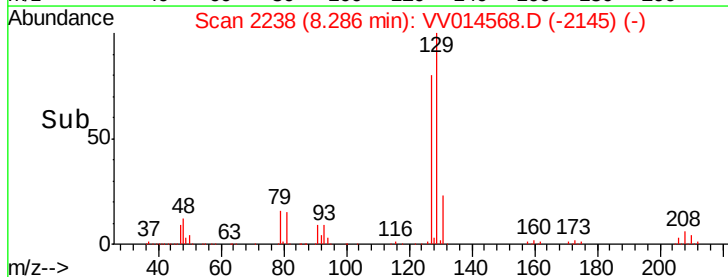
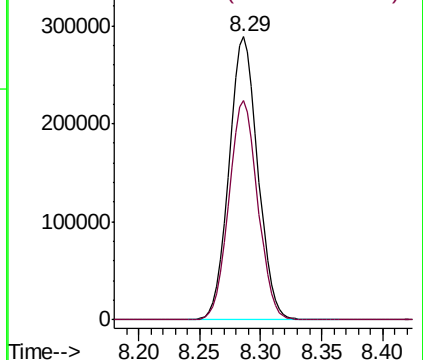


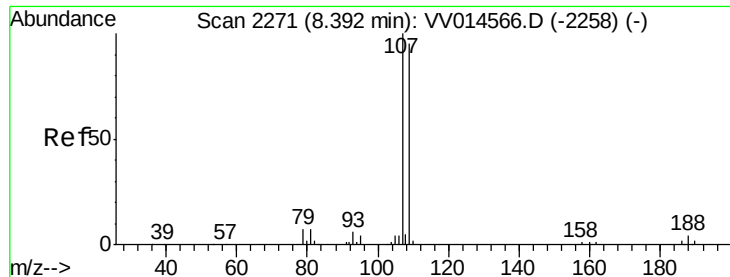
#49
Dibromochloromethane
Concen: 214.682 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Tgt Ion: 129 Resp: 476322
Ion Ratio Lower Upper
129 100
127 77.7 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014566.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV014566.D (-2225) (-)

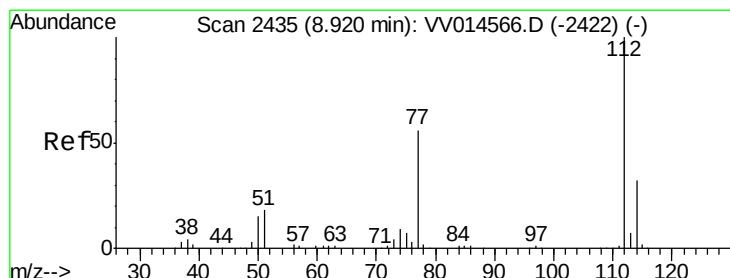
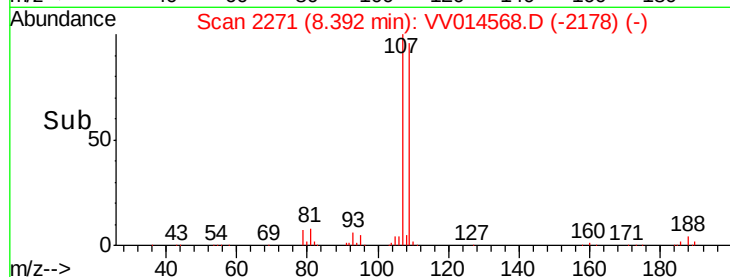
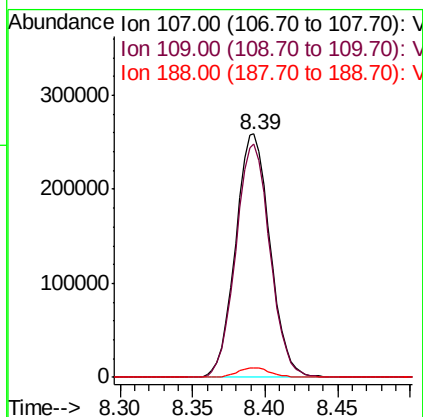
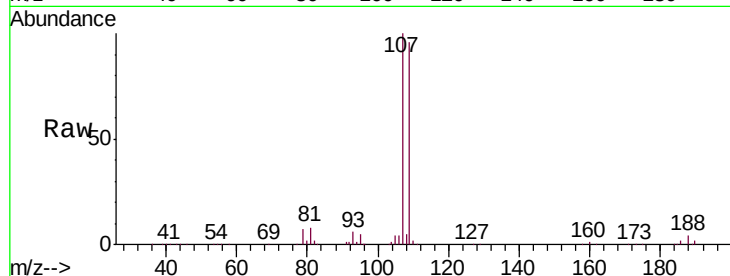




#50
1,2-Dibromoethane
Concen: 200.688 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

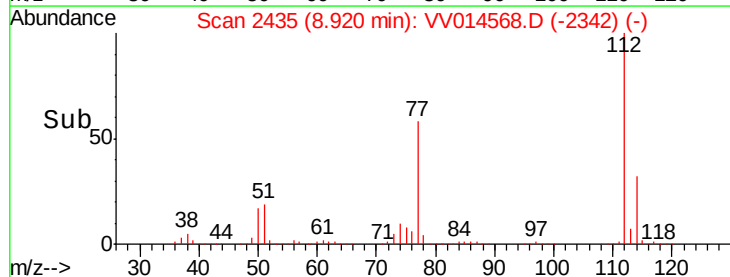
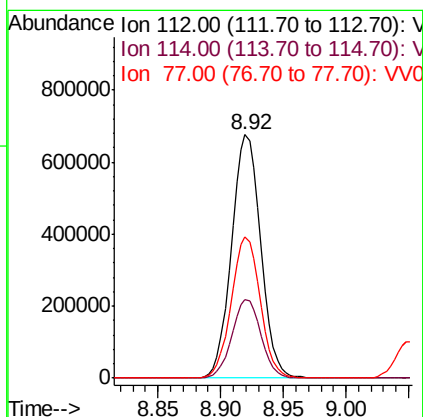
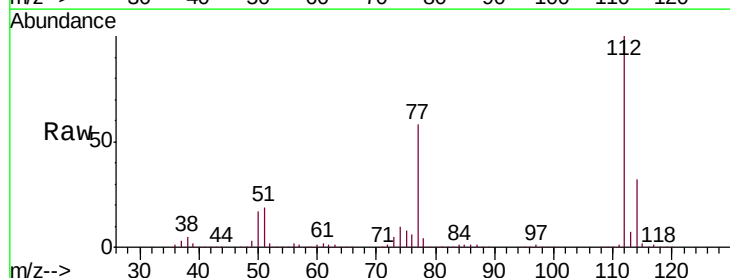
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

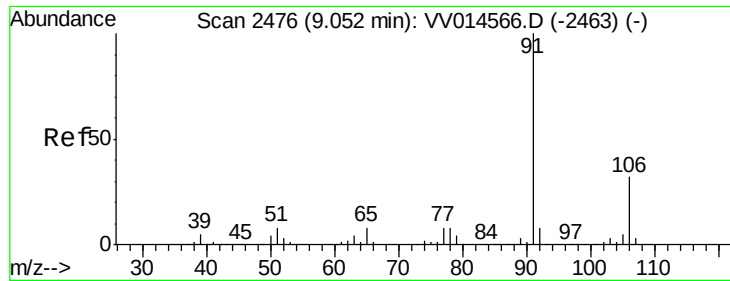
Tgt Ion:107 Resp: 427300
Ion Ratio Lower Upper
107 100
109 95.8 66.1 122.8
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 193.127 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Tgt Ion:112 Resp: 1092435
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 58.1 45.3 67.9





#52

Ethylbenzene

Concen: 188.800 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

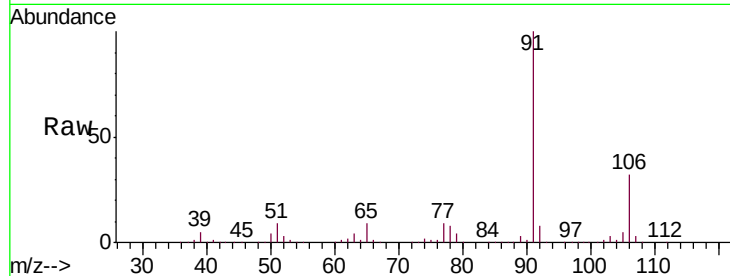
VSTD20064

Tgt Ion: 91 Resp: 1861339

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV014566.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV014566.D (-2463) (-)

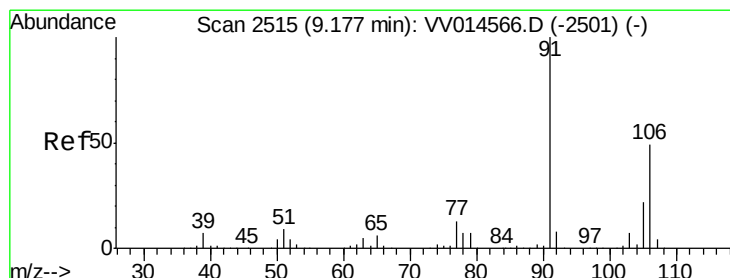
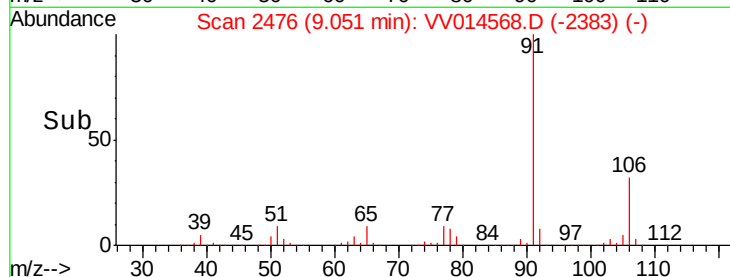
9.05

1000000

500000

0

Time-->



#53

m,p-Xylene

Concen: 195.083 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014568.D

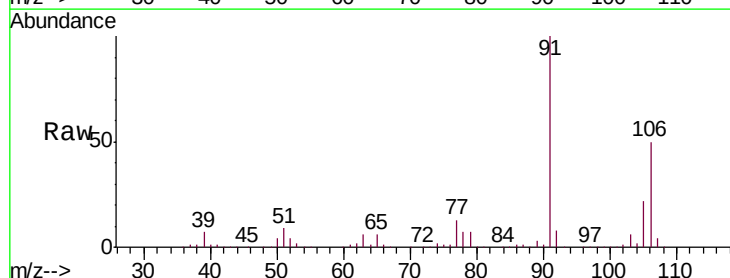
Acq: 12 Feb 2020 12:18

Tgt Ion: 106 Resp: 719464

Ion Ratio Lower Upper

106 100

91 201.5 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014566.D (-2501) (-)

Ion 91.00 (90.70 to 91.70): VV014566.D (-2501) (-)

9.18

1000000

800000

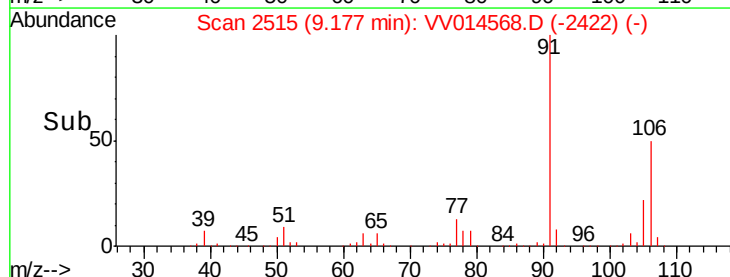
600000

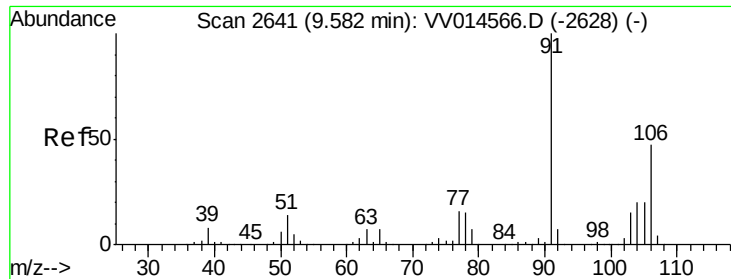
400000

200000

0

Time-->

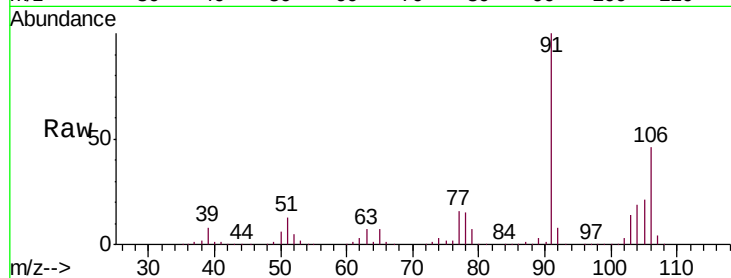




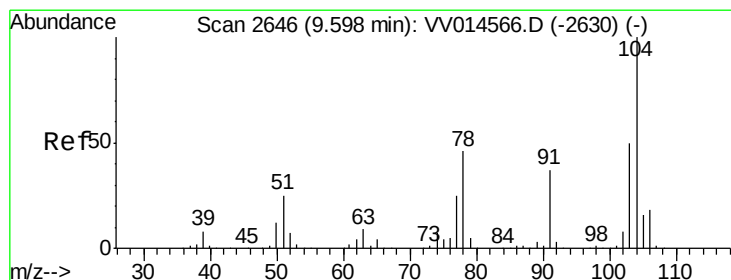
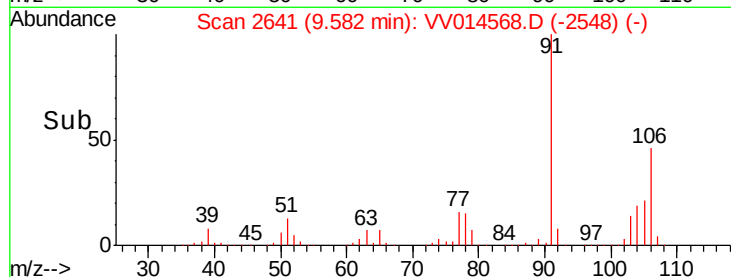
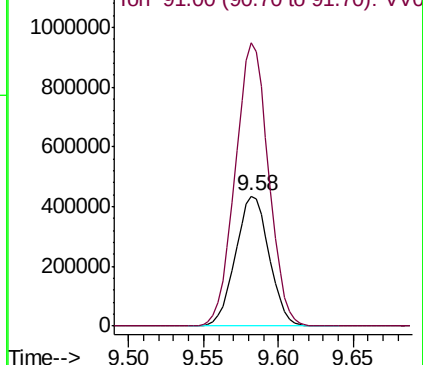
#54
o-xylene
Concen: 186.982 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tgt Ion:106 Resp: 681779
Ion Ratio Lower Upper
106 100
91 217.3 150.5 279.5

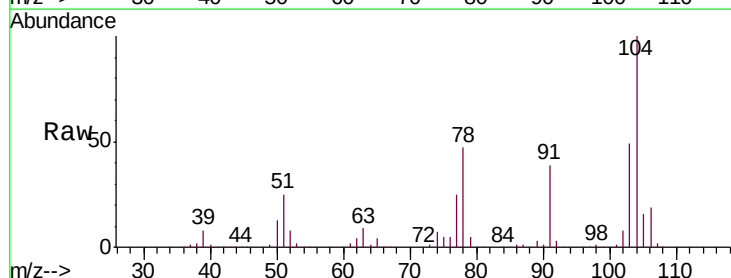


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

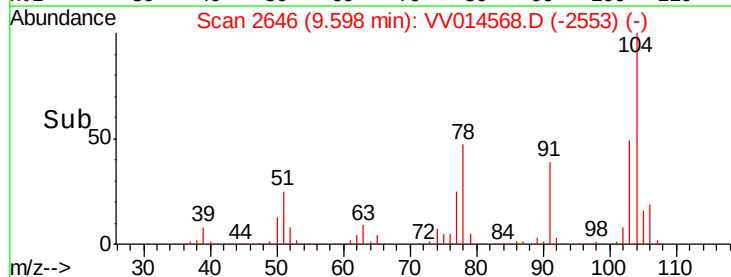
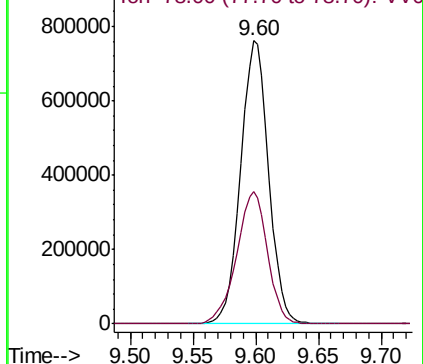


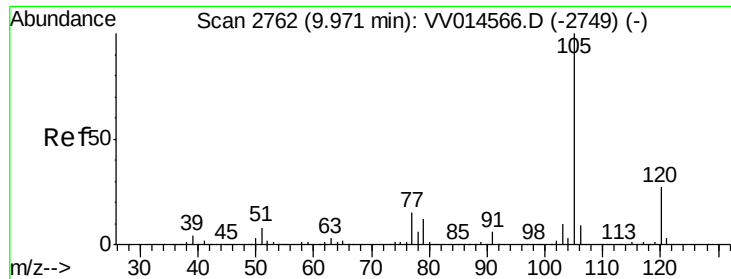
#55
Styrene
Concen: 192.881 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014568.D
Acq: 12 Feb 2020 12:18

Tgt Ion:104 Resp: 1183896
Ion Ratio Lower Upper
104 100
78 46.7 31.9 59.2



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





#56

Isopropylbenzene

Concen: 194.633 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

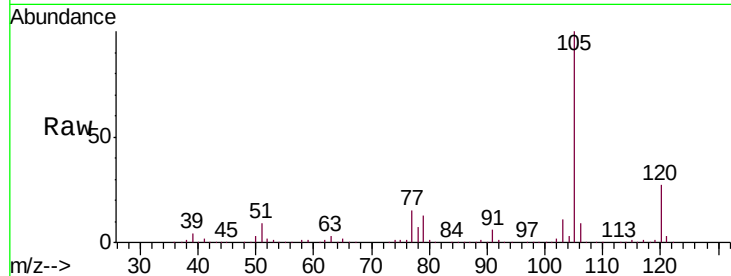
Tgt Ion:105 Resp: 1827603

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

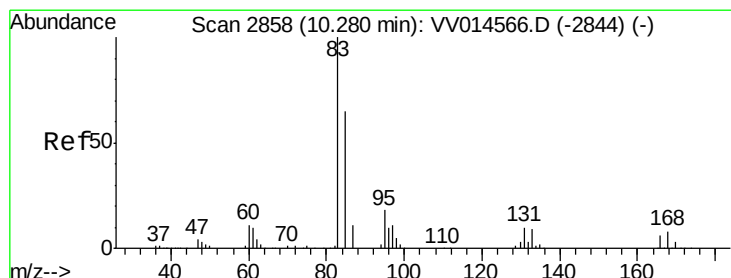
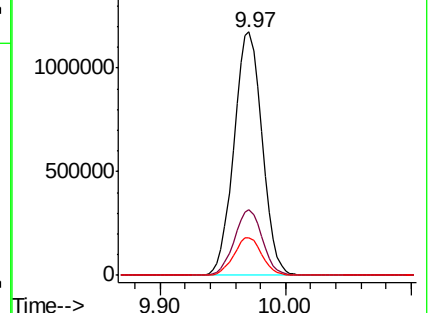
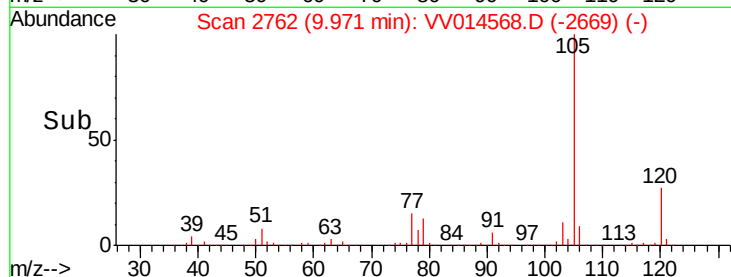
77 15.3 12.2 18.2



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: 191.245 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

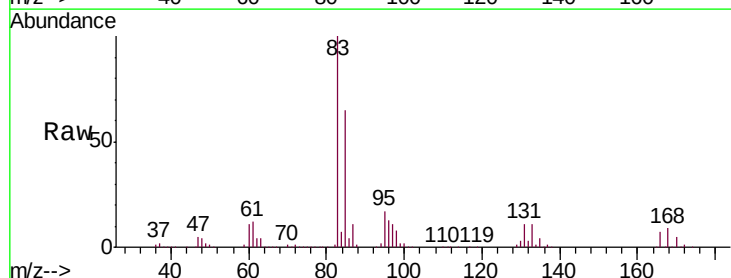
Tgt Ion: 83 Resp: 608506

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9

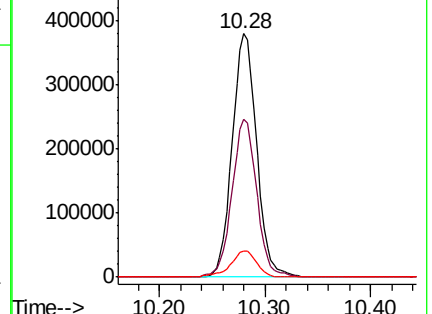
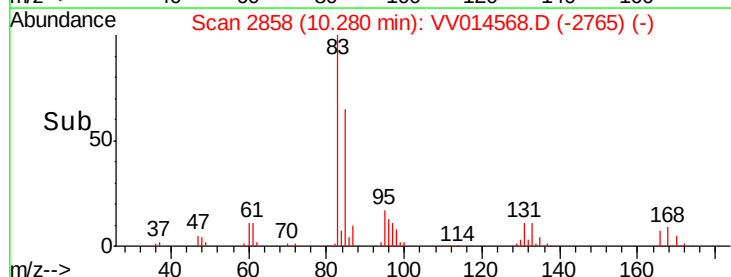
131 10.9 8.2 12.4

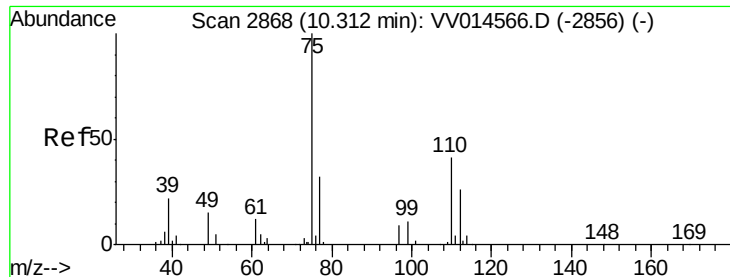


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 193.605 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

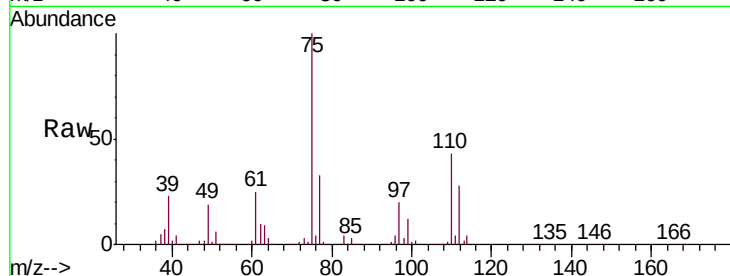
VSTD20064

Tgt Ion: 75 Resp: 482030

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014566.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014566.D (-2856) (-)

10.31

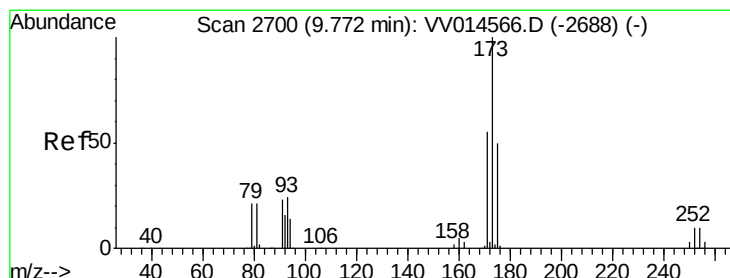
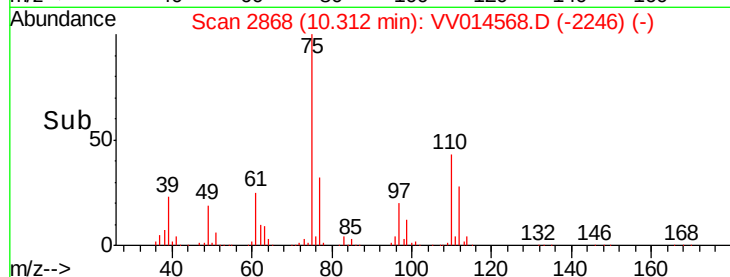
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 217.225 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

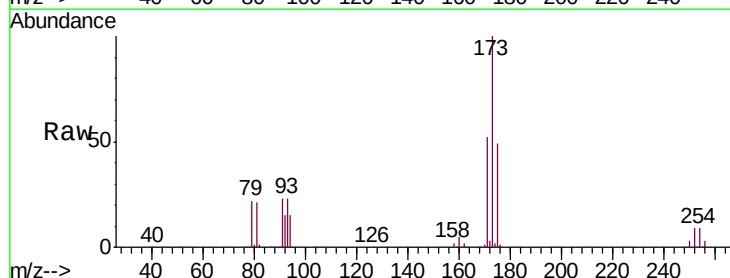
Tgt Ion: 173 Resp: 337110

Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

254 8.9 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): VV014566.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014566.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014566.D (-2688) (-)

9.77

250000

200000

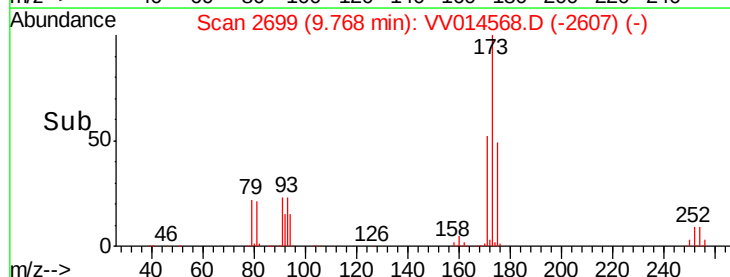
150000

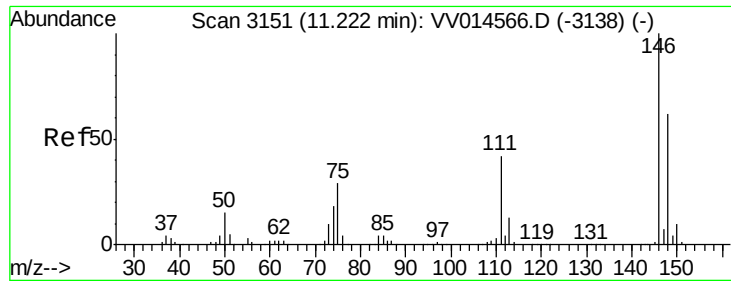
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 194.368 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

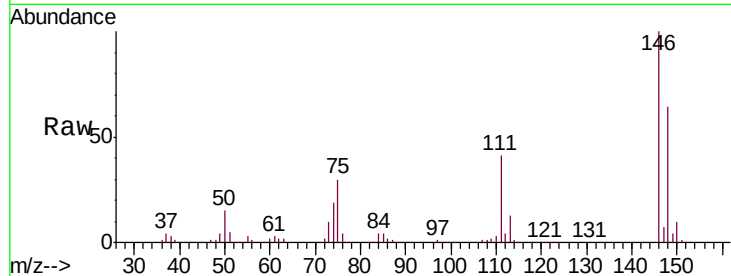
Tgt Ion:146 Resp: 881289

Ion Ratio Lower Upper

146 100

111 41.4 29.4 54.6

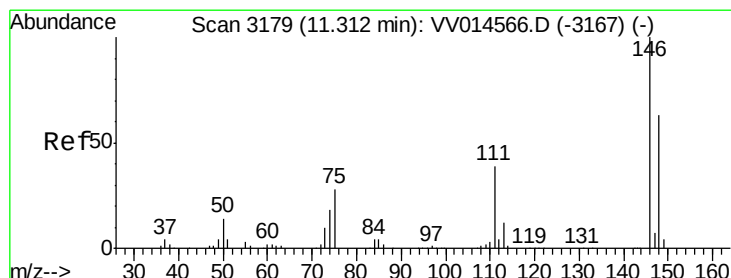
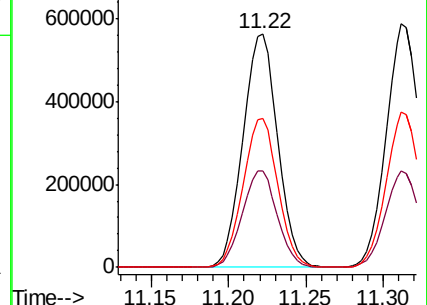
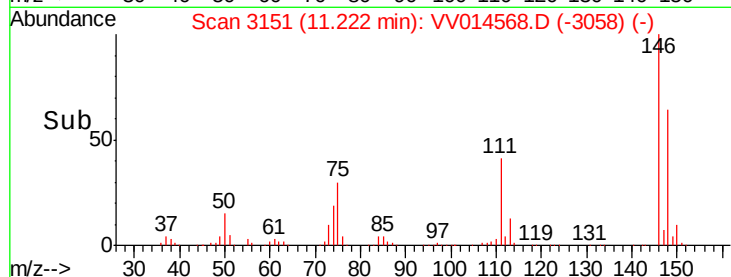
148 63.8 43.6 81.0



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



#63

1,4-Dichlorobenzene

Concen: 192.314 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

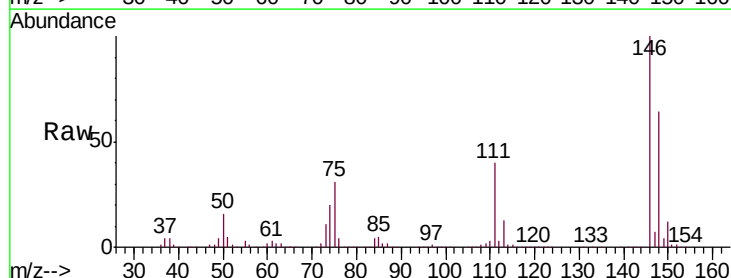
Tgt Ion:146 Resp: 899134

Ion Ratio Lower Upper

146 100

111 39.7 27.7 51.5

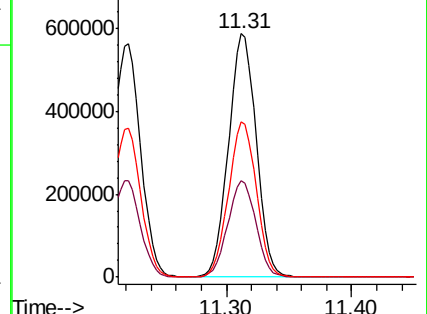
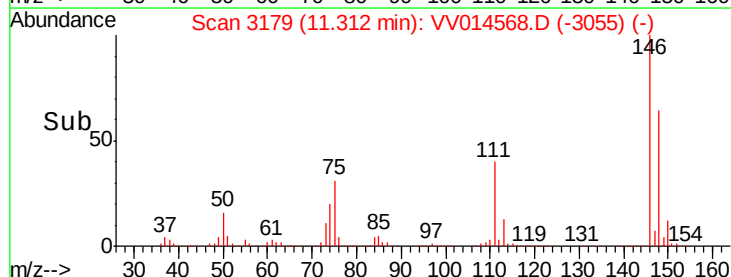
148 63.9 44.1 81.9

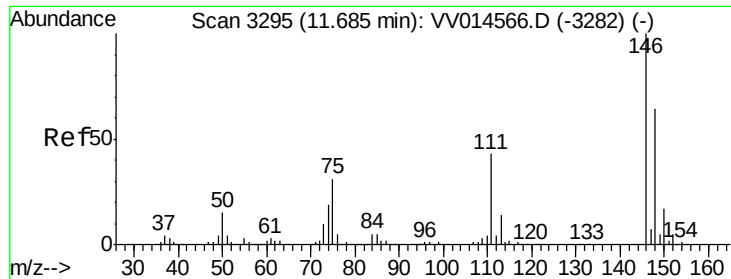


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 191.689 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

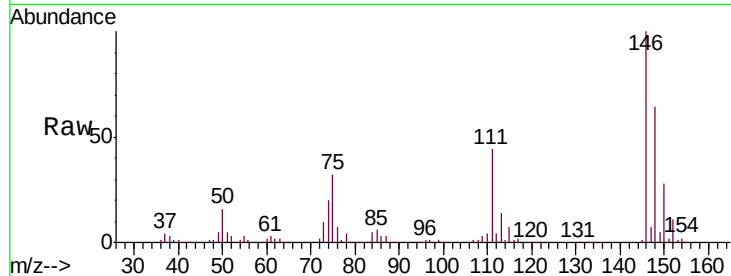
Tgt Ion:146 Resp: 855863

Ion Ratio Lower Upper

146 100

111 43.6 34.6 52.0

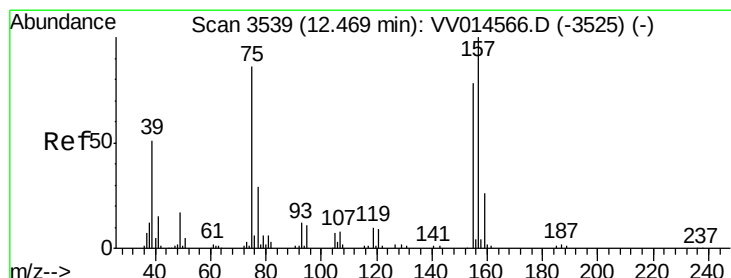
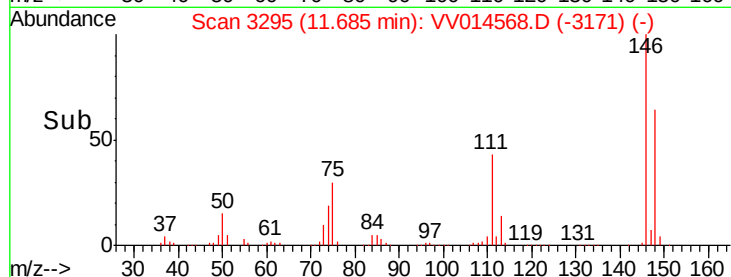
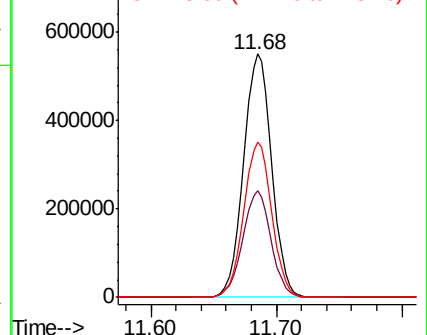
148 63.9 51.4 77.2



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: 209.249 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

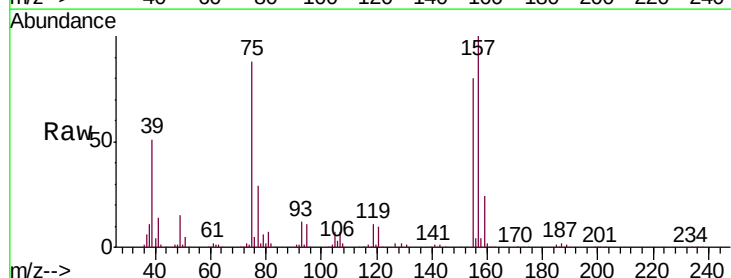
Tgt Ion: 75 Resp: 149530

Ion Ratio Lower Upper

75 100

155 90.5 72.9 109.3

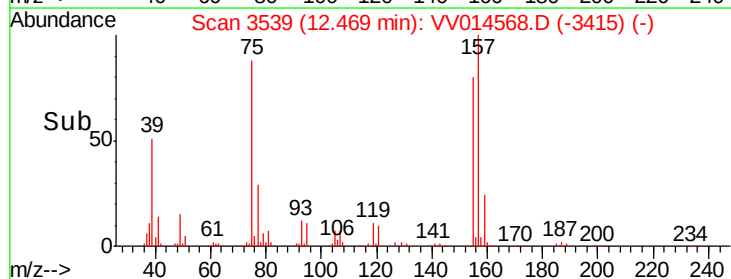
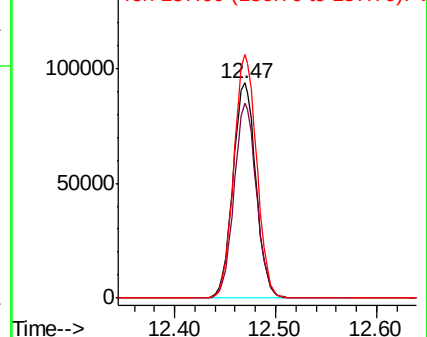
157 113.1 93.0 139.4

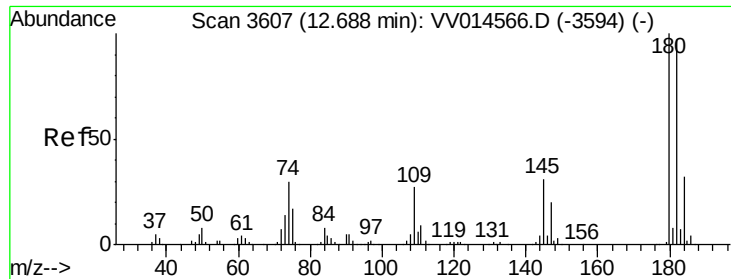


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

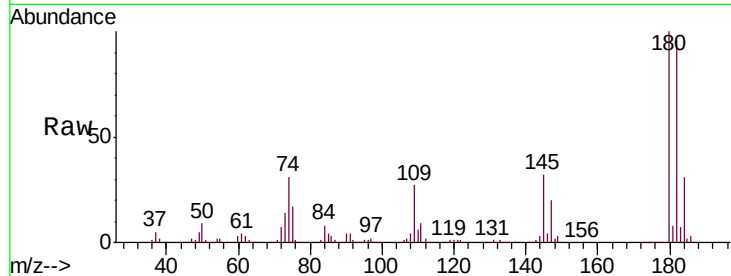




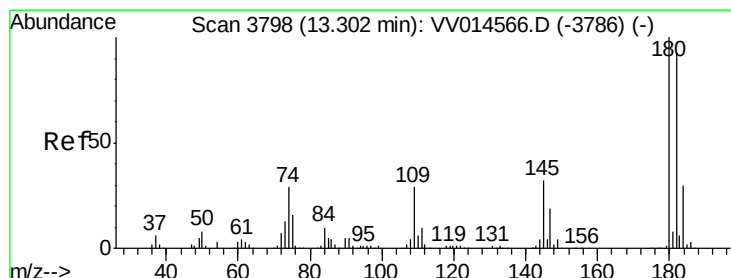
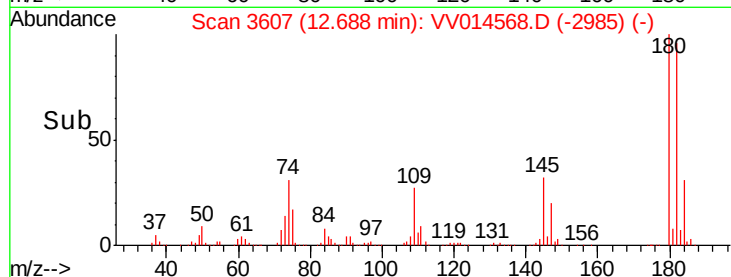
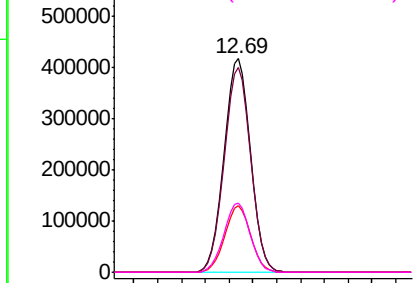
#67
 1,3,5-Trichlorobenzene
 Concen: 208.229 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tgt Ion:180 Resp: 641349
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.2 115.8
 184 30.4 24.5 36.7
 145 32.0 25.3 37.9

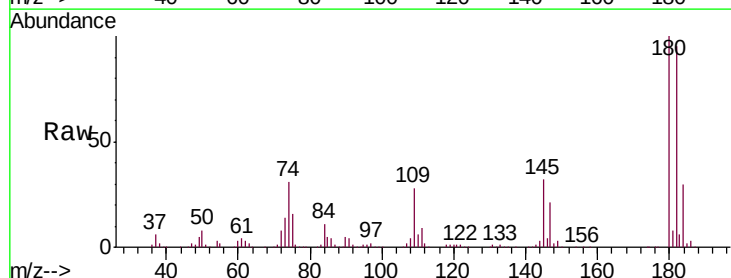


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

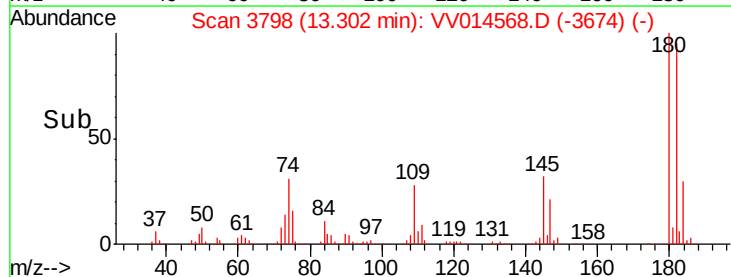
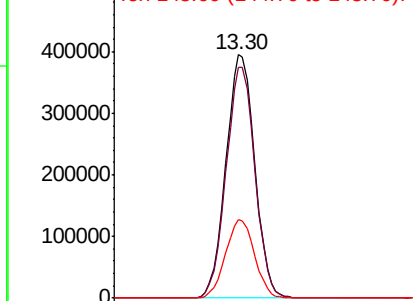


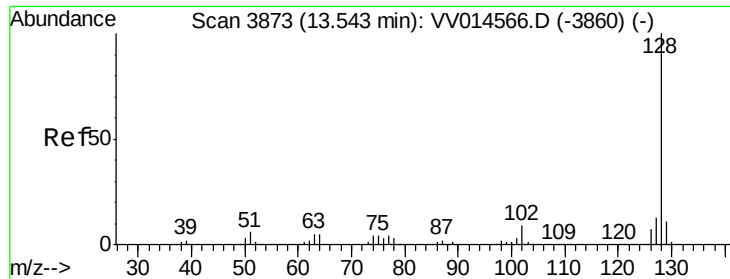
#68
 1,2,4-trichlorobenzene
 Concen: 217.221 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014568.D
 Acq: 12 Feb 2020 12:18

Tgt Ion:180 Resp: 611159
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.2
 145 32.3 25.8 38.6



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





#69

Naphthalene

Concen: 219.582 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

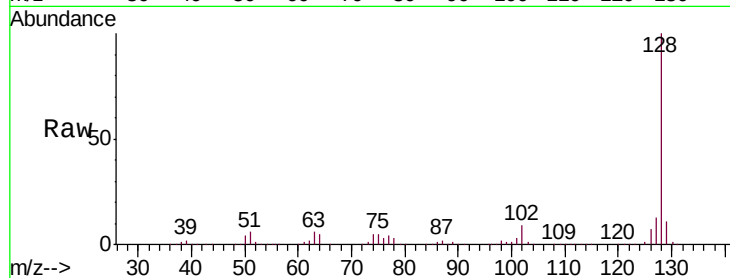
Tgt Ion:128 Resp: 1954822

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

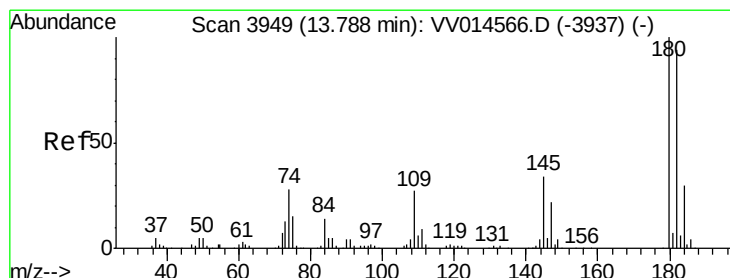
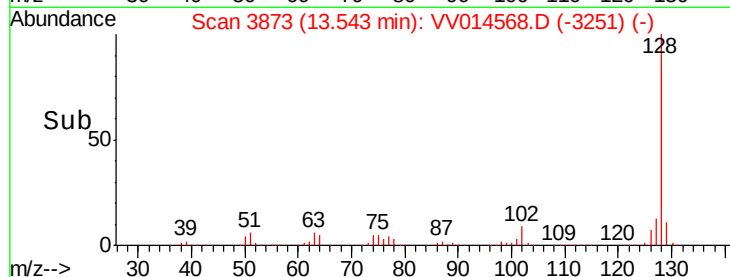
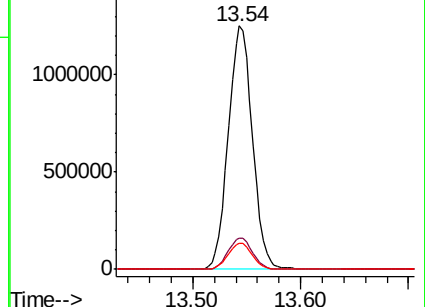
129 10.8 8.6 13.0



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: 216.590 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014568.D

Acq: 12 Feb 2020 12:18

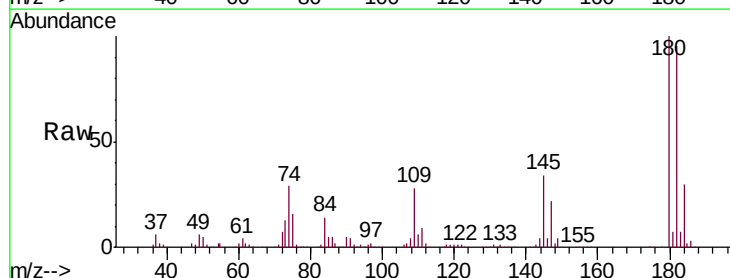
Tgt Ion:180 Resp: 587797

Ion Ratio Lower Upper

180 100

182 95.0 75.2 112.8

145 34.5 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

