

Data File : VV014566.D
Acq On : 12 Feb 2020 11:30
Operator : SY/MD
Sample : VSTD05062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Quant Time: Feb 13 04:52:31 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	333888	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	312311	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	156504	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62326	35.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	43304	39.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	102515	42.97	ug/L	0.00
21) 2-Butanone-d5	3.92	46	109338	90.60	ug/L	0.00
24) Chloroform-d	4.40	84	183661	47.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	114037	48.65	ug/L	0.00
32) Benzene-d6	5.10	84	368815	46.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	110824	44.12	ug/L	0.00
41) Toluene-d8	7.36	98	354350	47.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	61144	47.07	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	87087	88.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	148155	45.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	133339	47.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	112646	41.953 ug/L	100
3) Chloromethane	1.26	50	95359	35.290 ug/L	100
5) Vinyl chloride	1.33	62	71043	32.889 ug/L	100
6) Bromomethane	1.53	94	35514	46.177 ug/L	100
8) Chloroethane	1.60	64	35238	36.629 ug/L	100
9) Trichlorofluoromethane	1.77	101	122661	46.429 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	52782	43.393 ug/L	100
12) 1,1-Dichloroethene	2.14	96	48514	40.001 ug/L	100
13) Acetone	2.19	43	84470	80.531 ug/L	100
14) Carbon disulfide	2.32	76	237165	39.961 ug/L	100
15) Methyl Acetate	2.46	43	85803	43.378 ug/L	100
16) Methylene chloride	2.54	84	101151	42.767 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	96846	45.144 ug/L	100
18) Methyl tert-butyl Ether	2.80	73	310886	46.837 ug/L	100
19) 1,1-Dichloroethane	3.23	63	169825	43.802 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	112524	46.676 ug/L	100
22) 2-Butanone	4.01	43	135417	91.077 ug/L	100
23) Bromochloromethane	4.30	128	53830	47.478 ug/L	100
25) Chloroform	4.42	83	190266	47.628 ug/L	100
27) 1,2-Dichloroethane	5.18	62	140458	49.332 ug/L	100
29) Cyclohexane	4.73	56	150065	41.332 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	165645	49.958 ug/L	100
31) Carbon tetrachloride	4.87	117	146728	50.365 ug/L	100
33) Benzene	5.14	78	399380	44.747 ug/L	100
34) Trichloroethene	5.96	95	106338	46.637 ug/L	100
35) Methylcyclohexane	6.17	83	165594	44.296 ug/L	100
37) 1,2-Dichloropropane	6.22	63	99042	44.478 ug/L	100
38) Bromodichloromethane	6.55	83	140791	46.699 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	175183	47.494 ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	243368	90.604 ug/L	100

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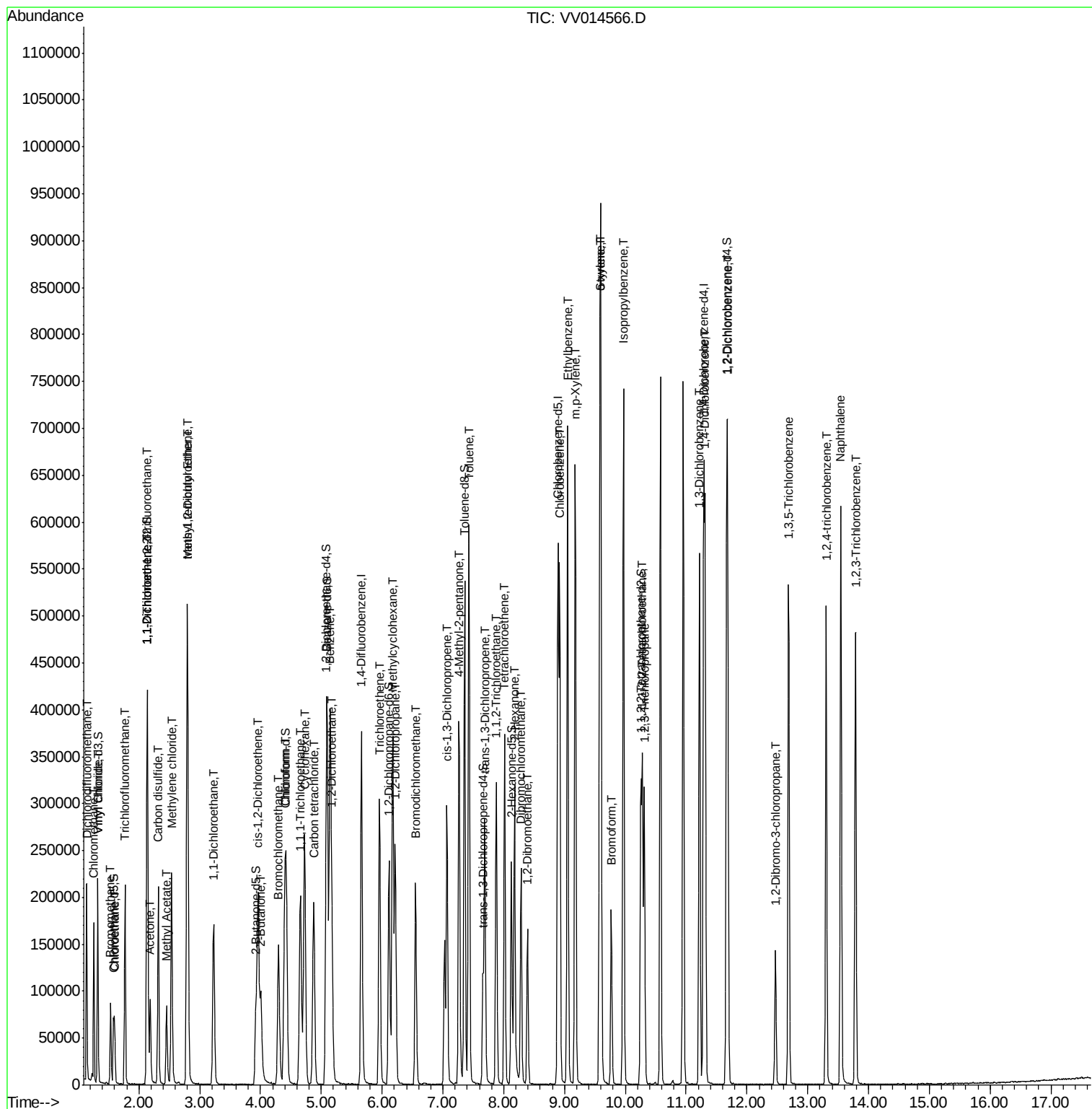
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	435398	46.334	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	156646	47.444	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	100823	47.352	ug/L	100
46) Tetrachloroethene	8.02	164	83886	49.452	ug/L	100
48) 2-Hexanone	8.18	43	185562	89.345	ug/L	100
49) Dibromochloromethane	8.29	129	120308	50.521	ug/L	100
50) 1,2-Dibromoethane	8.39	107	108893	47.651	ug/L	100
51) Chlorobenzene	8.92	112	288610	47.538	ug/L	100
52) Ethylbenzene	9.05	91	492543	46.549	ug/L	100
53) m,p-Xylene	9.18	106	189239	47.808	ug/L	100
54) o-xylene	9.58	106	182829	46.718	ug/L	100
55) Styrene	9.60	104	317784	48.238	ug/L	100
56) Isopropylbenzene	9.97	105	484871	48.111	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	159676	46.757	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	125424	46.936	ug/L	100
61) Bromoform	9.77	173	81797	50.342	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	228339	48.099	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	234938	47.994	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	221589	47.402	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	35973	48.080	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	160708	49.835	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	151976	51.591	ug/L	100
69) Naphthalene	13.54	128	485333	52.069	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	146587	51.589	ug/L	100

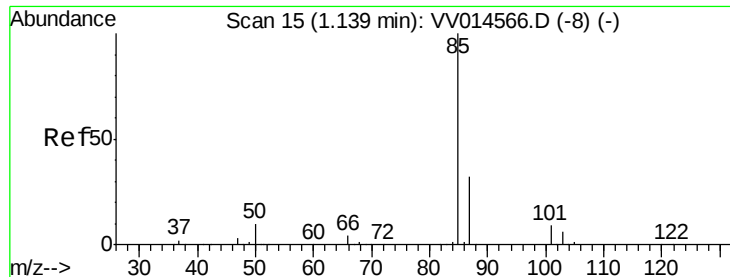
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 41.953 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

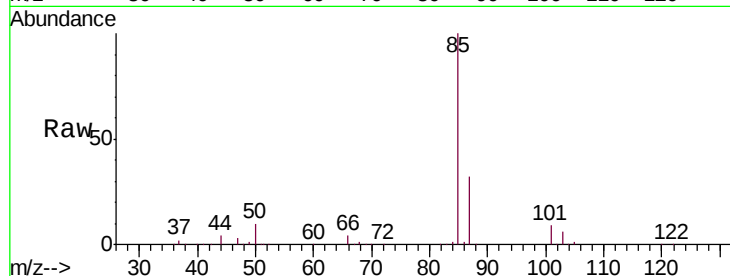
VSTD05062

Tgt Ion: 85 Resp: 112646

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV014566.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014566.D (-8) (-)

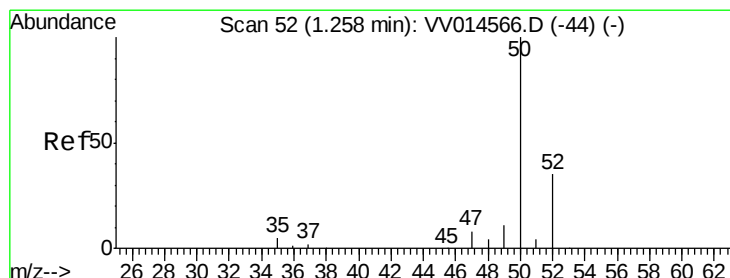
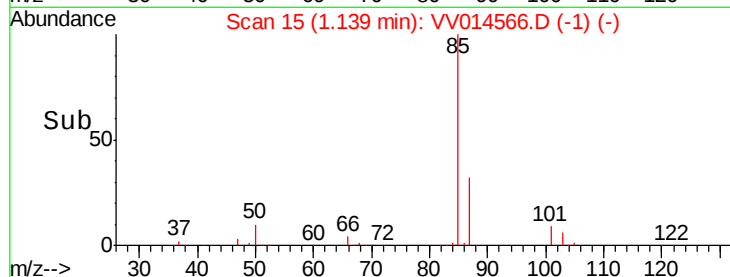
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 35.290 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014566.D

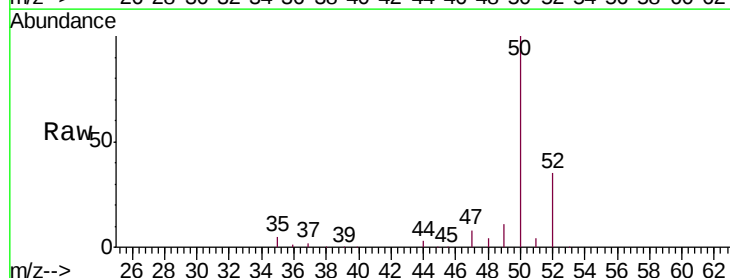
Acq: 12 Feb 2020 11:30

Tgt Ion: 50 Resp: 95359

Ion Ratio Lower Upper

50 100

52 34.7 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV014566.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014566.D (-44) (-)

1.26

100000

80000

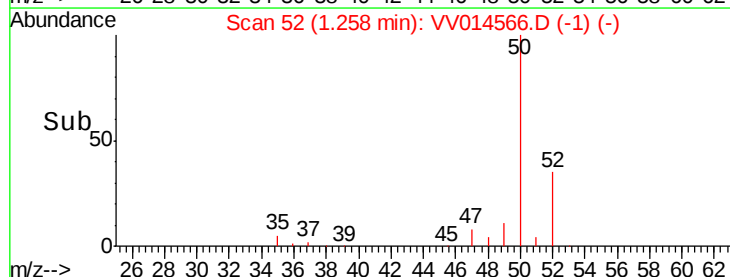
60000

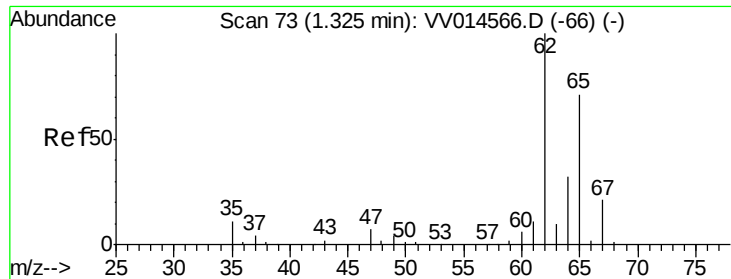
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 32.889 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

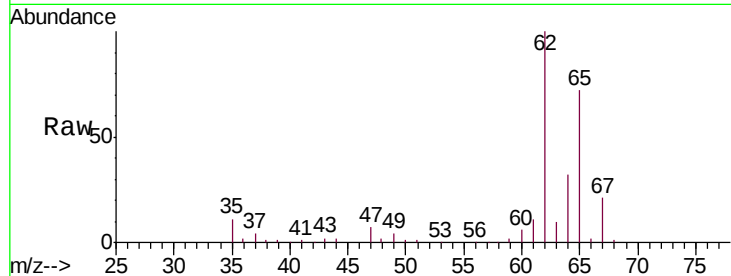
VSTD05062

Tgt Ion: 62 Resp: 71043

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV014566.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV014566.D (-66) (-)

1.33

80000

60000

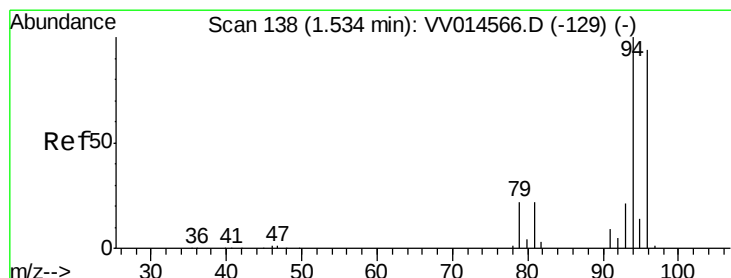
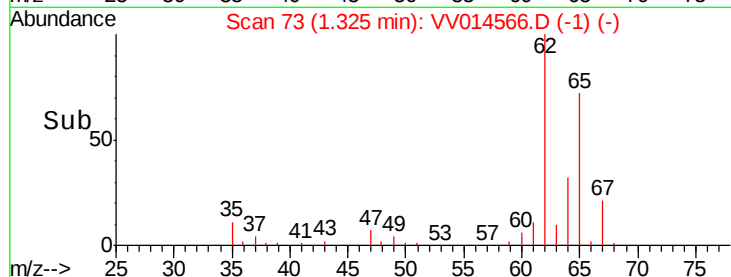
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 46.177 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014566.D

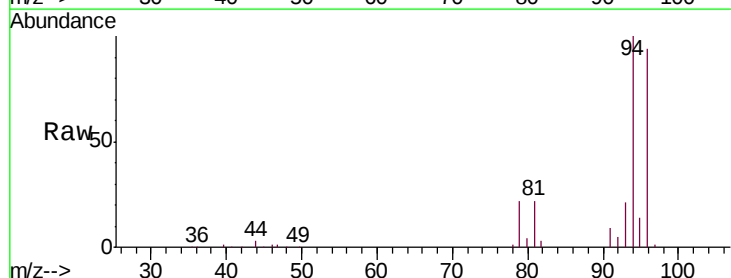
Acq: 12 Feb 2020 11:30

Tgt Ion: 94 Resp: 35514

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV014566.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014566.D (-129) (-)

1.53

30000

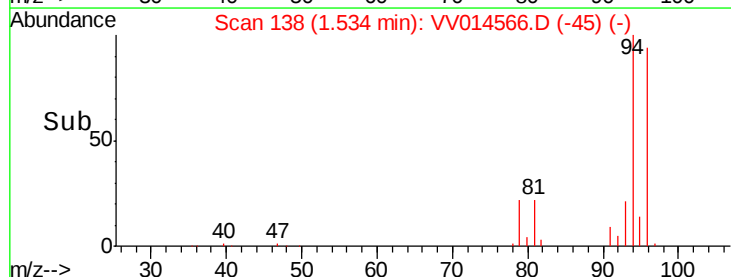
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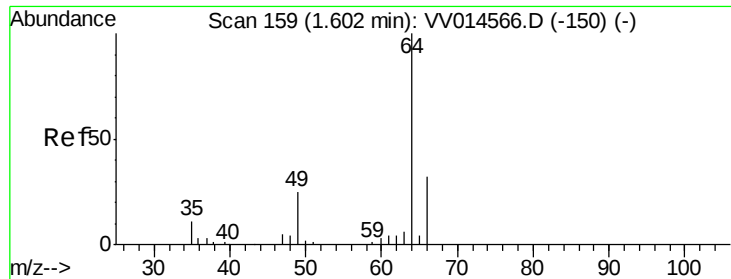
10000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 36.629 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

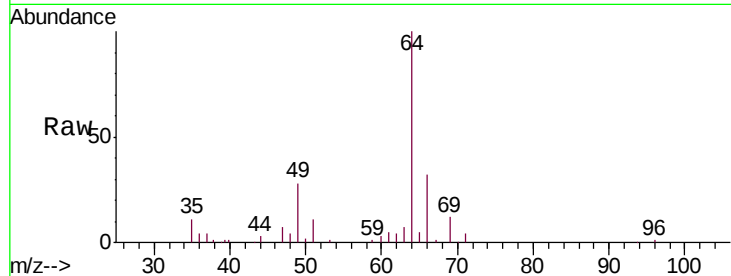
VSTD05062

Tgt Ion: 64 Resp: 35238

Ion Ratio Lower Upper

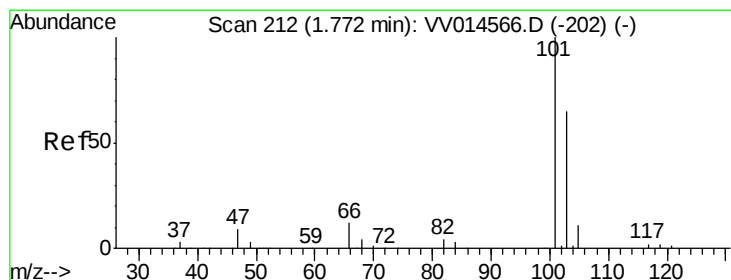
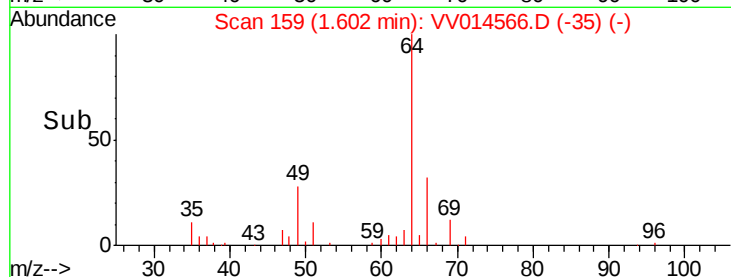
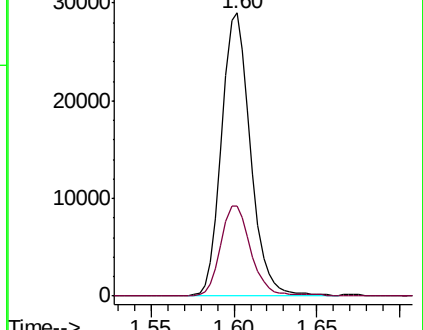
64 100

66 31.9 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) (-)



#9

Trichlorofluoromethane

Concen: 46.429 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014566.D

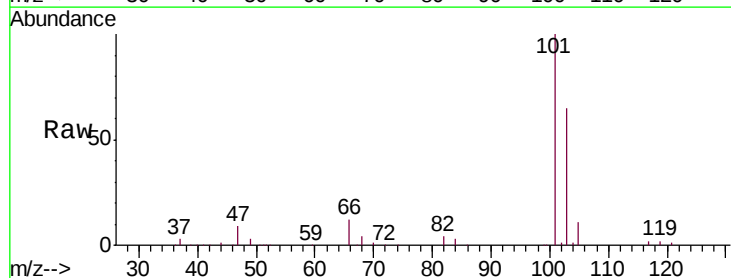
Acq: 12 Feb 2020 11:30

Tgt Ion: 101 Resp: 122661

Ion Ratio Lower Upper

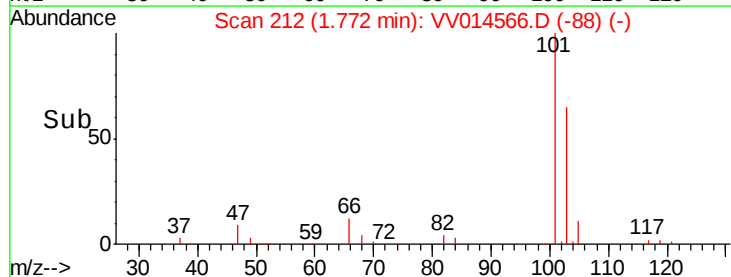
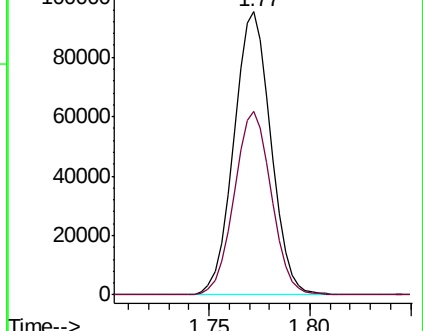
101 100

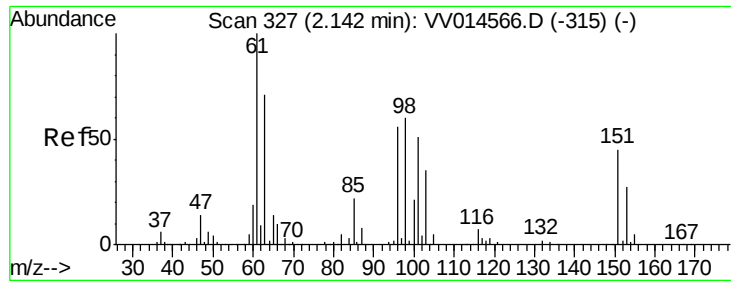
103 65.2 52.2 78.2



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

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





#10

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

Concen: 43.393 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

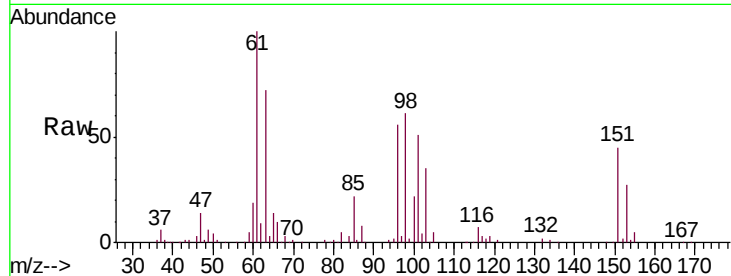
Tgt Ion:101 Resp: 52782

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

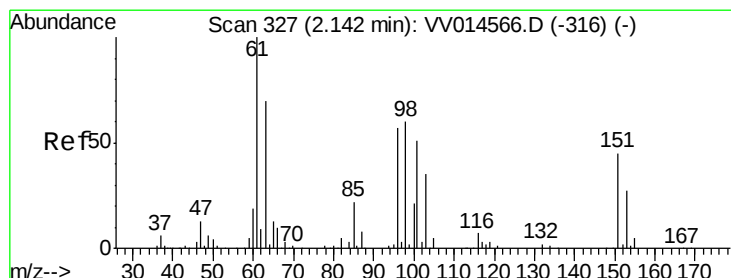
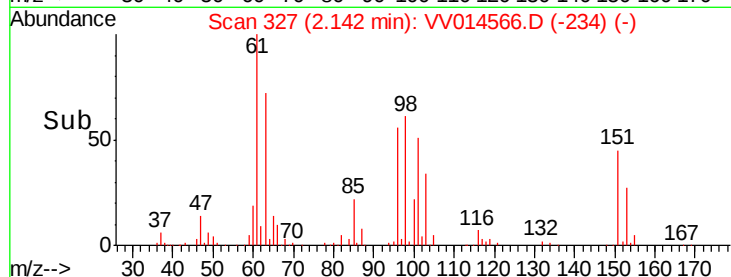
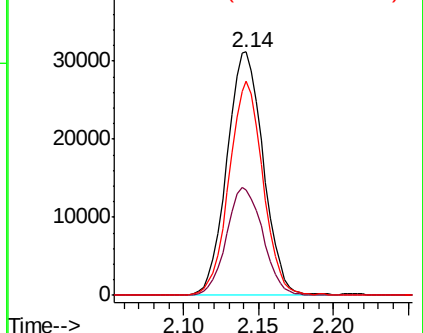
151 81.8 65.4 98.2



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: 40.001 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

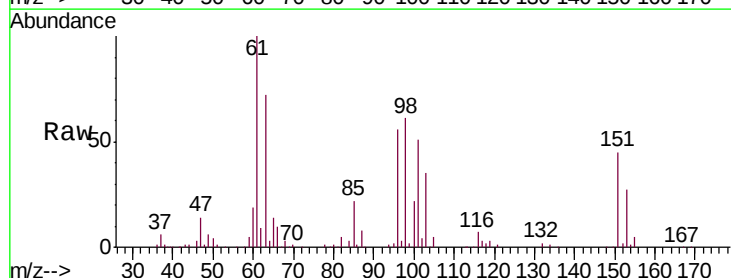
Tgt Ion: 96 Resp: 48514

Ion Ratio Lower Upper

96 100

61 177.4 124.2 230.6

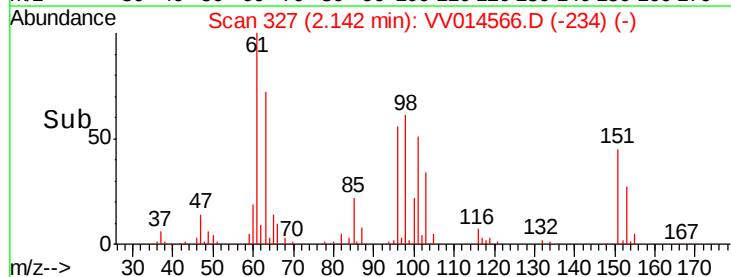
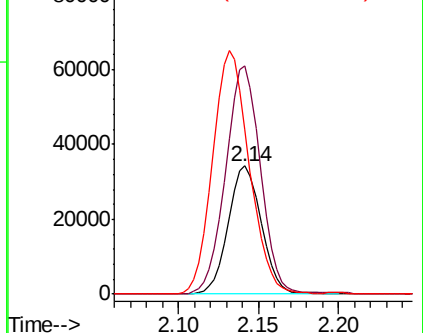
63 127.5 89.2 165.8

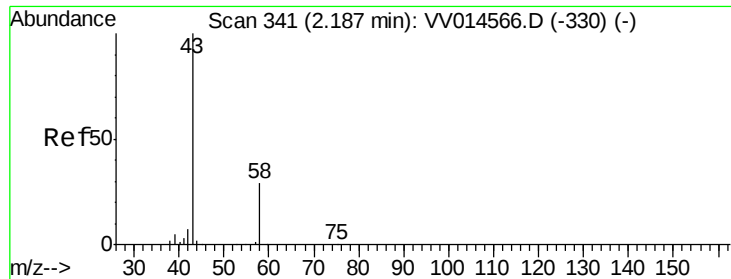


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 80.531 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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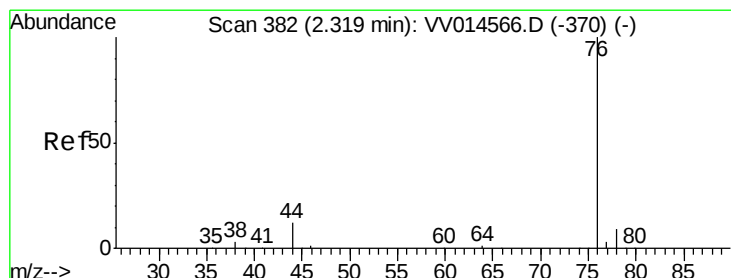
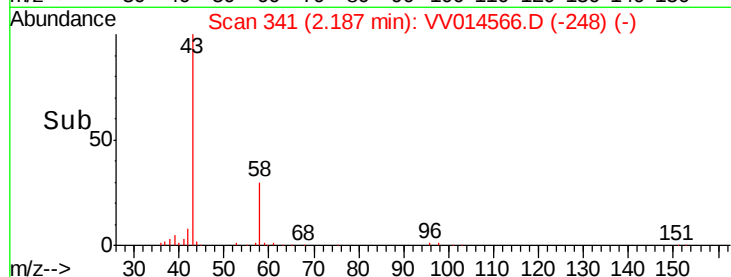
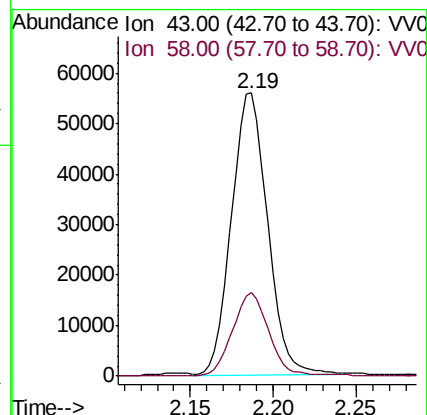
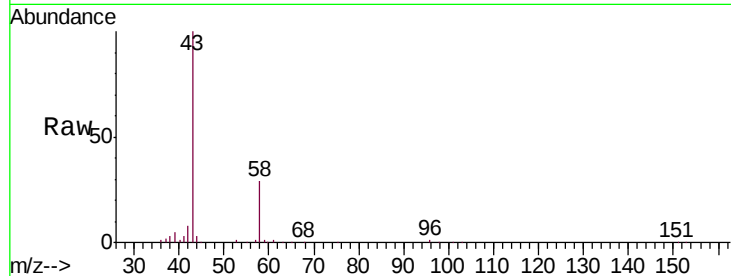
VSTD05062

Tgt Ion: 43 Resp: 84470

Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.8



#14

Carbon disulfide

Concen: 39.961 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014566.D

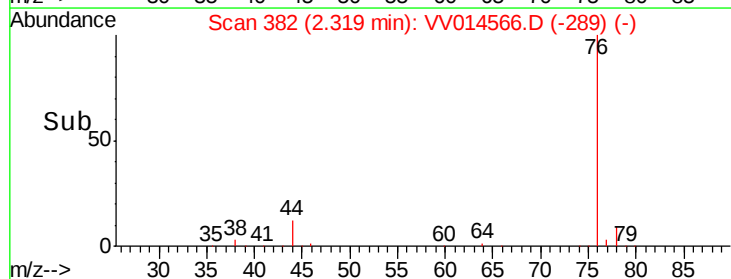
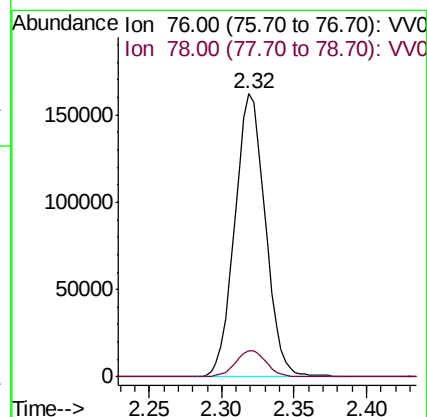
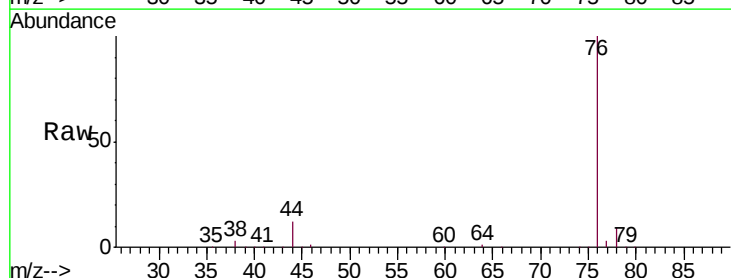
Acq: 12 Feb 2020 11:30

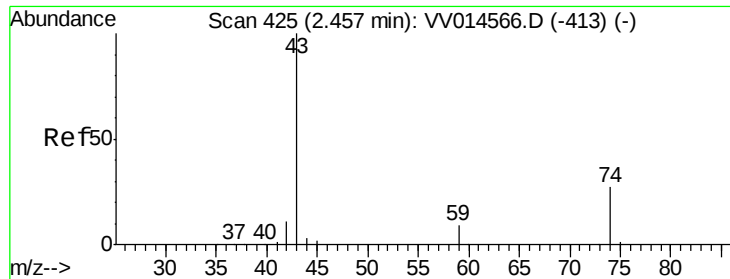
Tgt Ion: 76 Resp: 237165

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

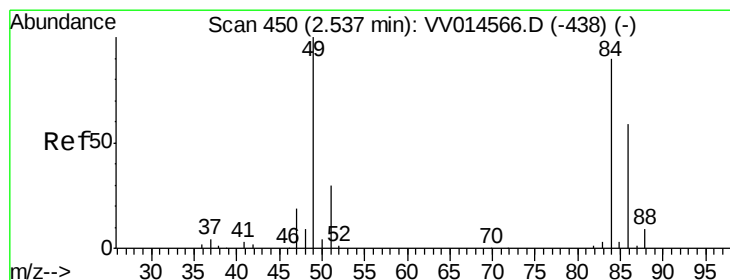
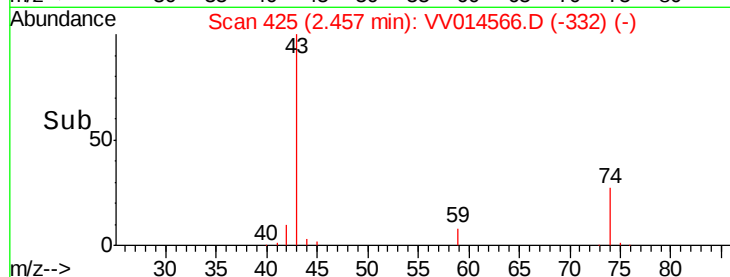
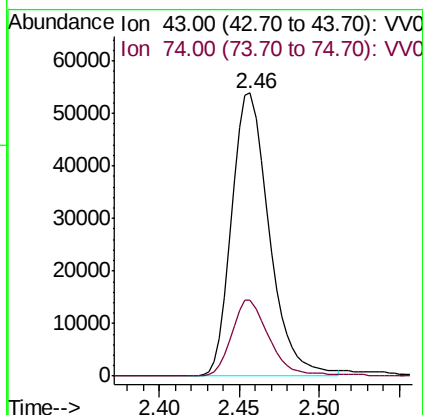
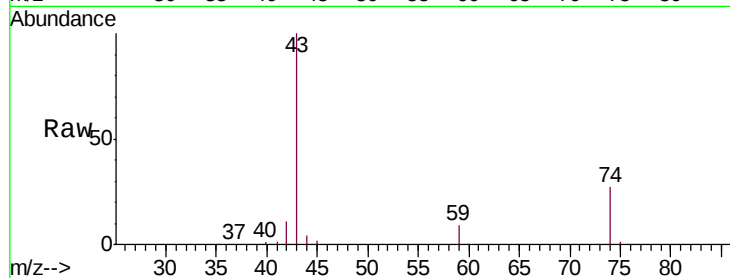




#15
Methyl Acetate
Concen: 43.378 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

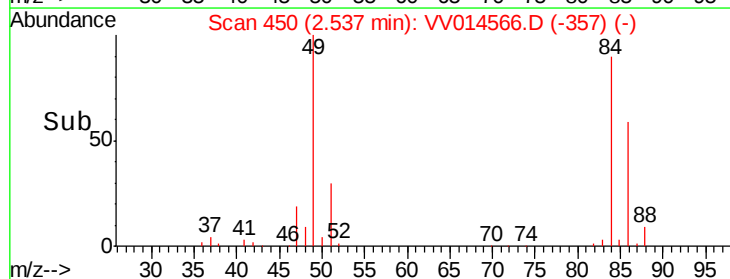
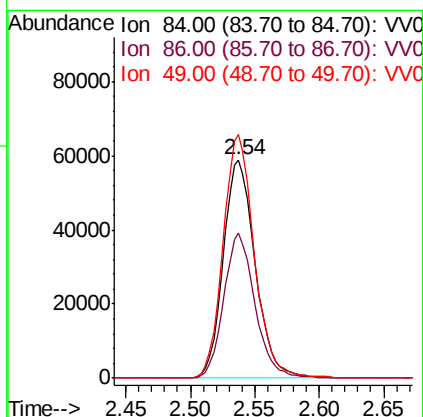
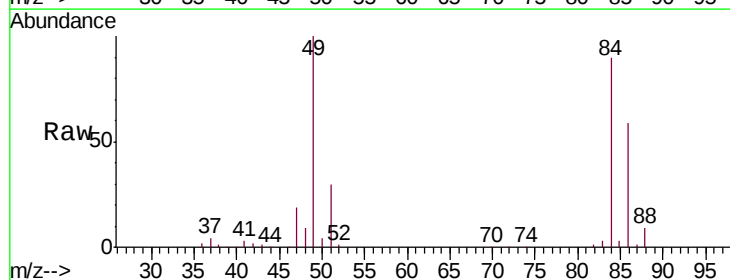
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

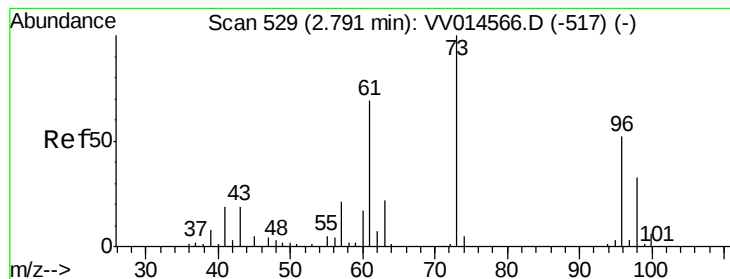
Tgt Ion: 43 Resp: 85803
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.2



#16
Methylene chloride
Concen: 42.767 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

Tgt Ion: 84 Resp: 101151
Ion Ratio Lower Upper
84 100
86 66.2 46.3 86.1
49 111.6 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 45.144 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

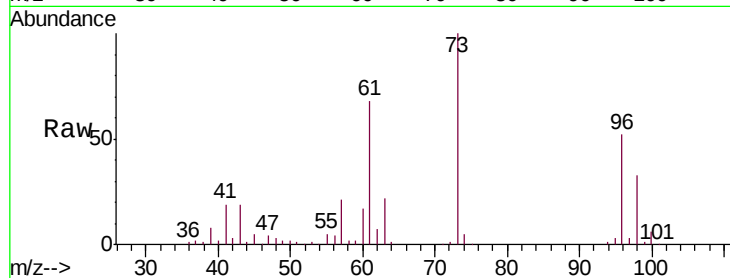
Tgt Ion: 96 Resp: 96846

Ion Ratio Lower Upper

96 100

61 132.8 93.0 172.6

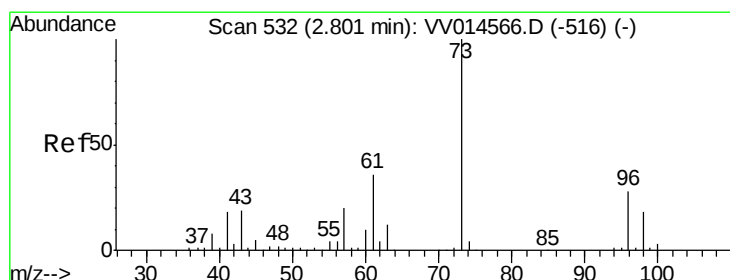
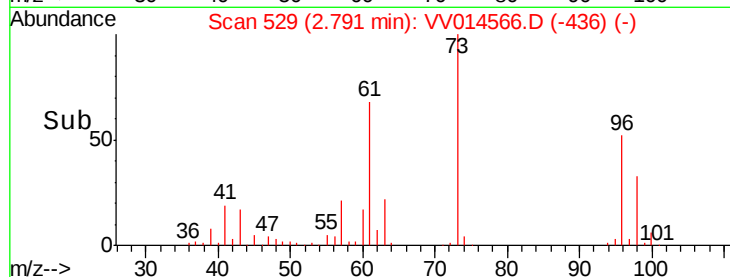
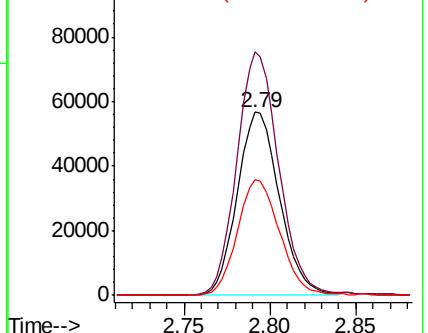
98 63.1 44.2 82.0



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: 46.837 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

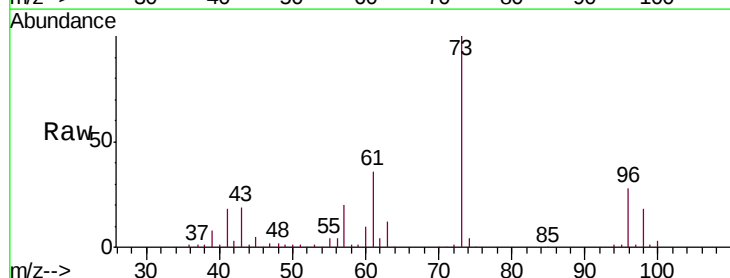
Tgt Ion: 73 Resp: 310886

Ion Ratio Lower Upper

73 100

43 18.9 15.1 22.7

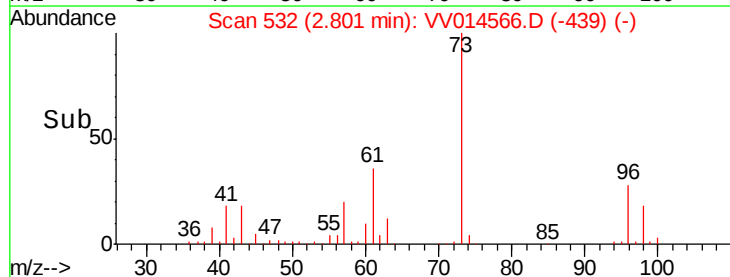
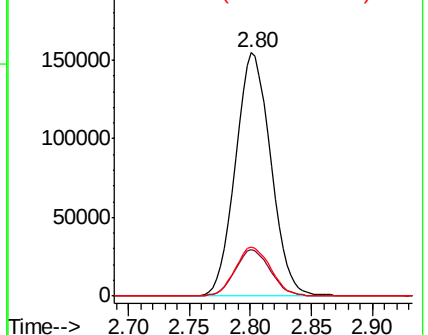
57 20.3 16.2 24.4

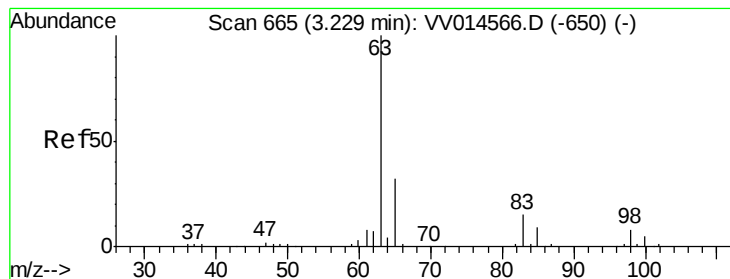


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.802 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

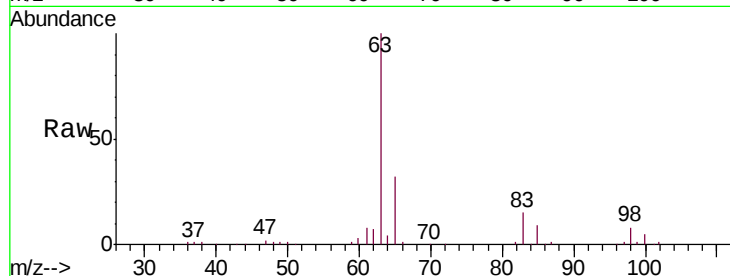
Tgt Ion: 63 Resp: 169825

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

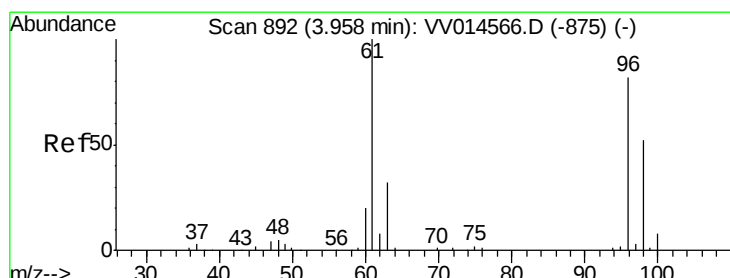
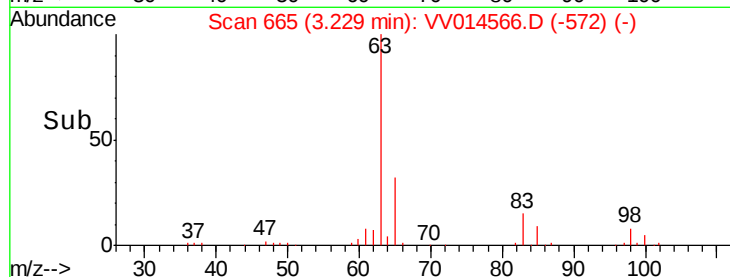
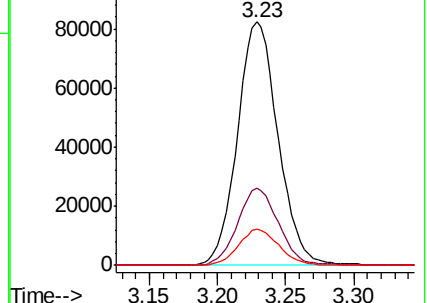
83 14.8 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV014566.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV014566.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV014566.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.676 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

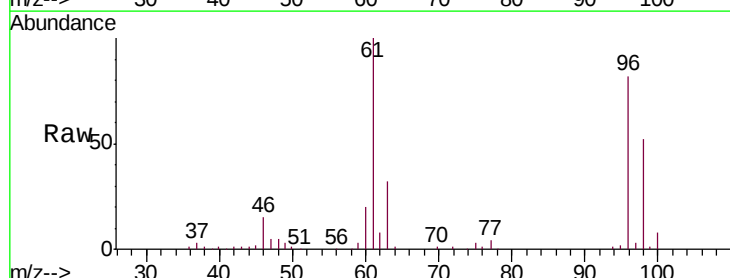
Tgt Ion: 96 Resp: 112524

Ion Ratio Lower Upper

96 100

61 122.7 85.9 159.5

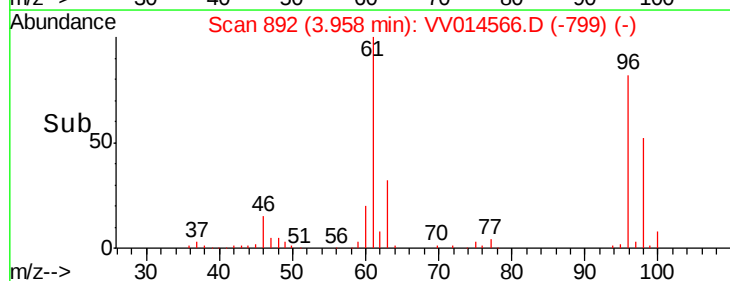
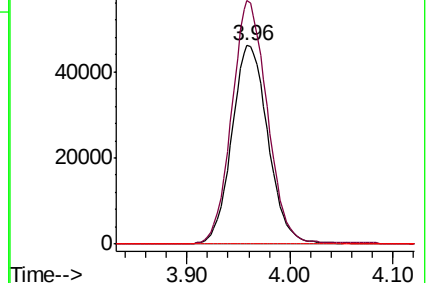
68 0.0 0.0 0.0

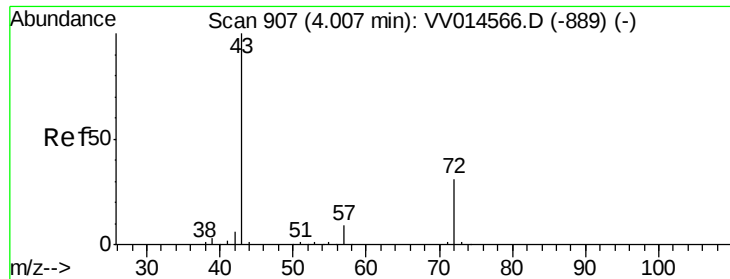


Abundance Ion 96.00 (95.70 to 96.70): VV014566.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV014566.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV014566.D (-875) (-)

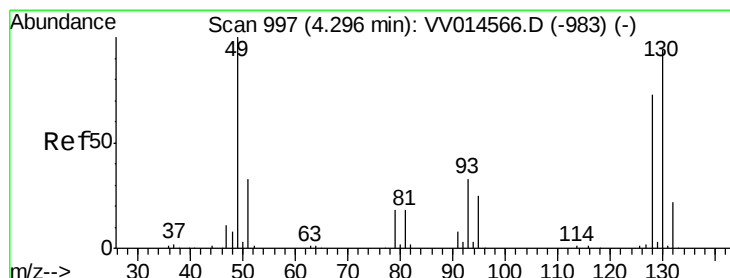
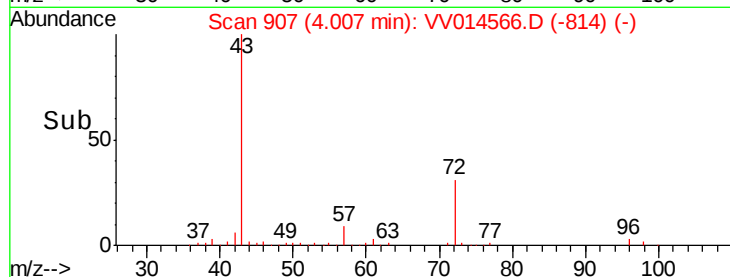
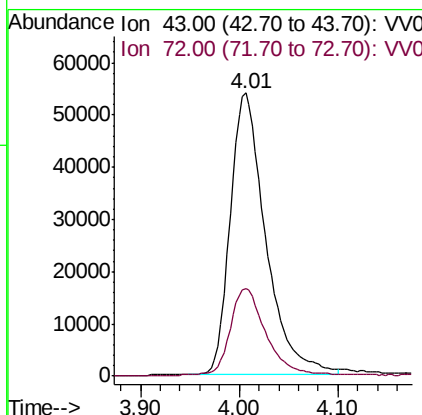
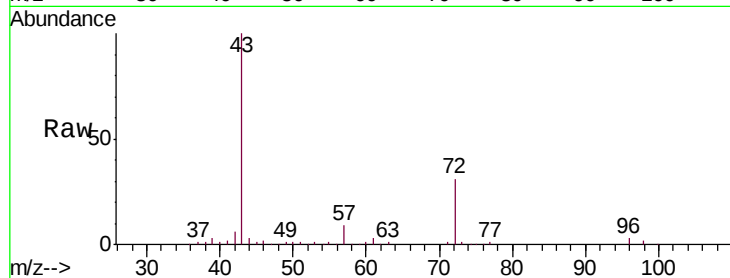




#22
2-Butanone
Concen: 91.077 ug/L
RT: 4.01 min Scan# 907
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

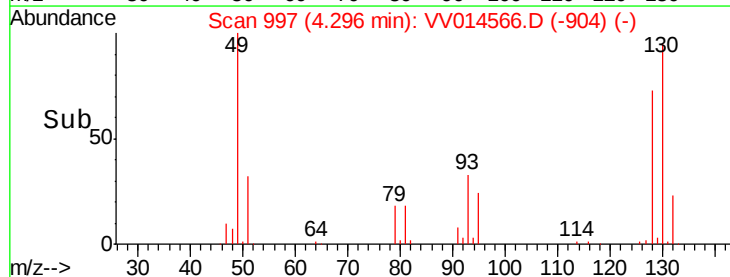
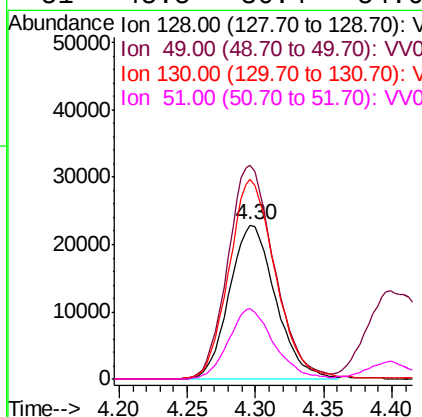
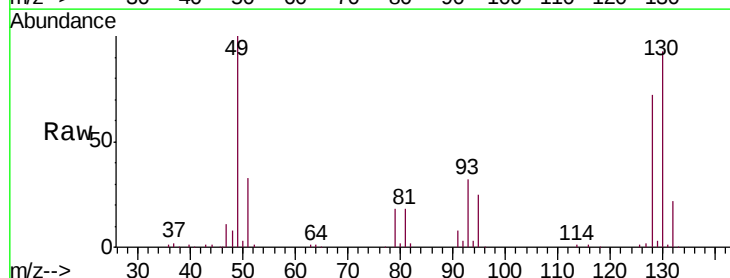
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

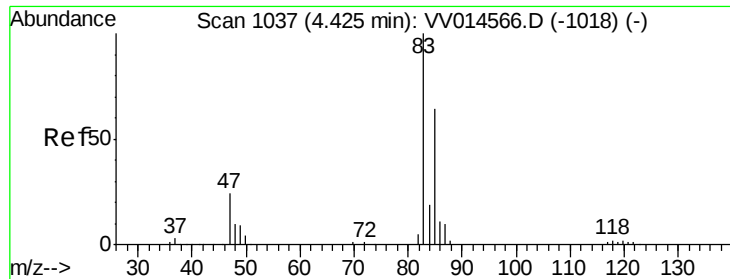
Tgt Ion: 43 Resp: 135417
Ion Ratio Lower Upper
43 100
72 31.8 15.9 47.7



#23
Bromochloromethane
Concen: 47.478 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

Tgt Ion: 128 Resp: 53830
Ion Ratio Lower Upper
128 100
49 138.7 97.1 180.3
130 129.6 90.7 168.5
51 45.5 36.4 54.6

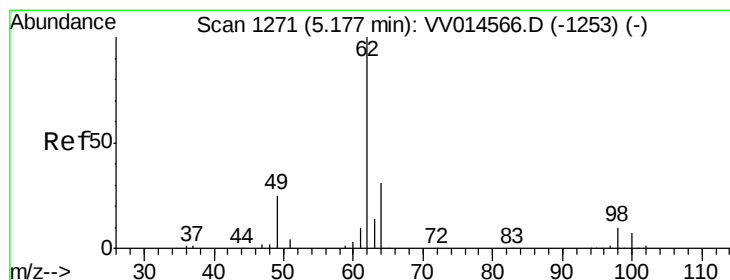
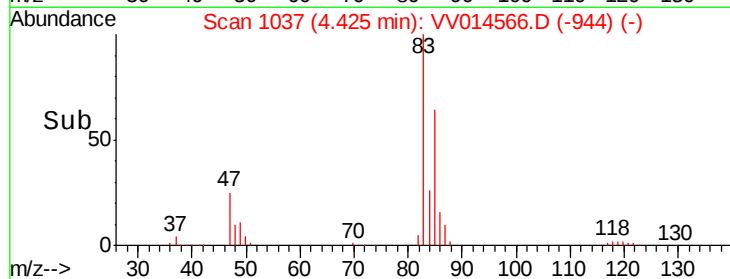
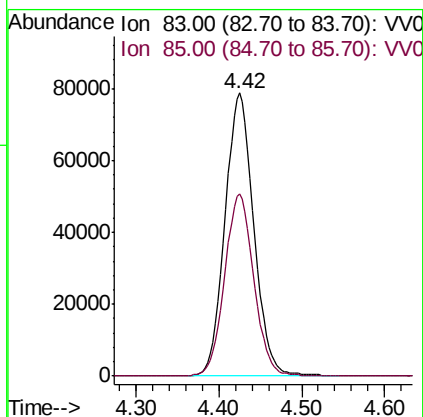
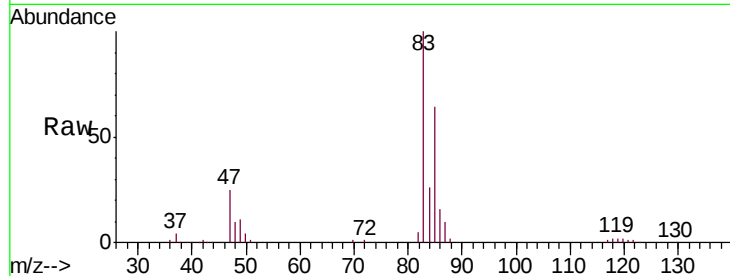




#25
Chloroform
Concen: 47.628 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

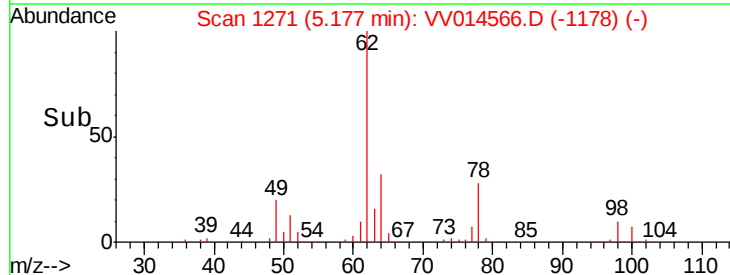
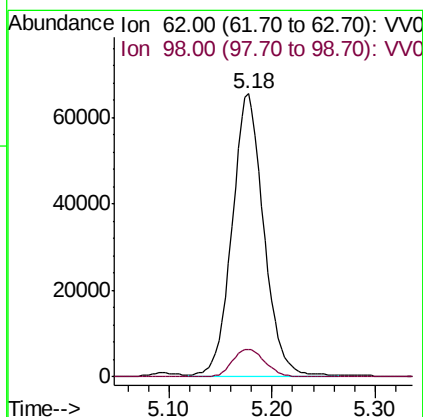
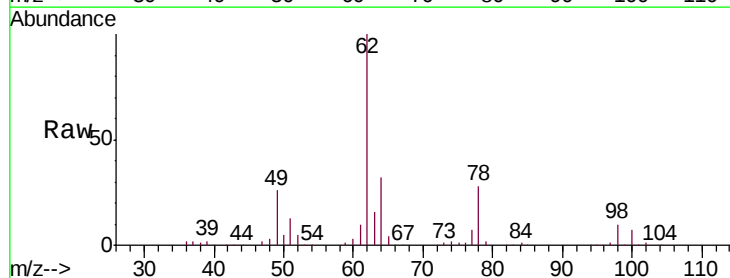
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

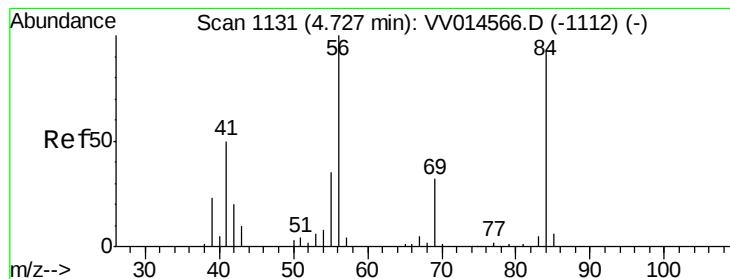
Tgt Ion: 83 Resp: 190266
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.332 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

Tgt Ion: 62 Resp: 140458
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 41.332 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

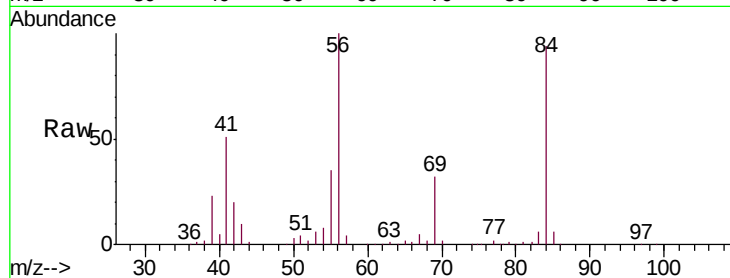
Tgt Ion: 56 Resp: 150065

Ion Ratio Lower Upper

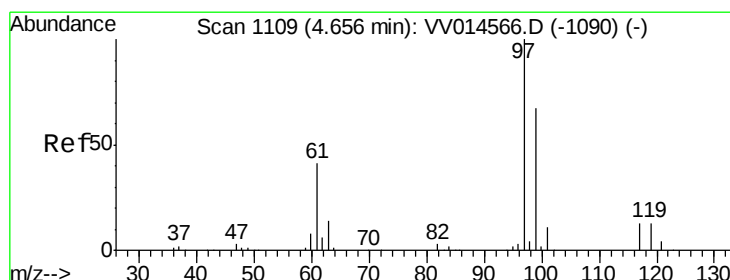
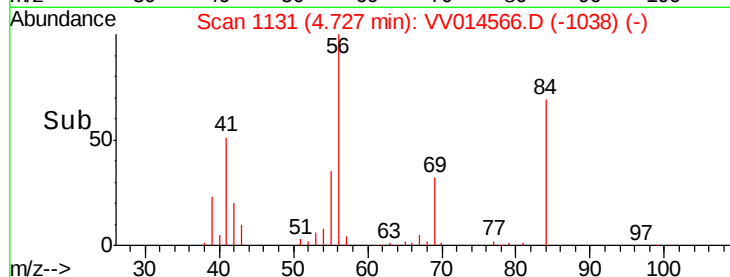
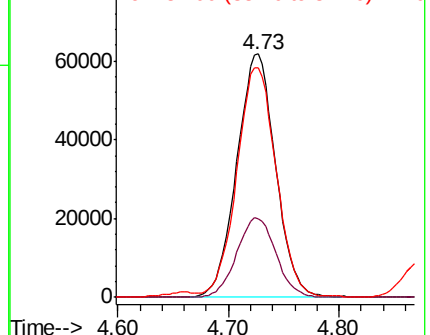
56 100

69 33.1 26.5 39.7

84 94.8 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: 49.958 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

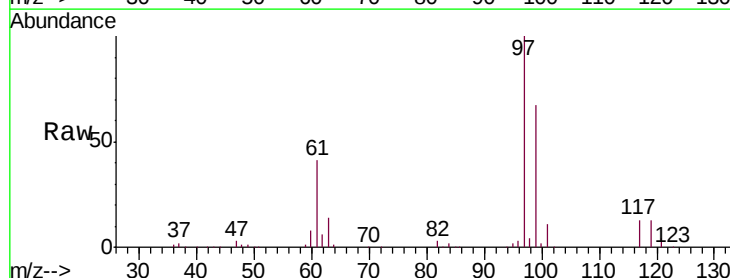
Tgt Ion: 97 Resp: 165645

Ion Ratio Lower Upper

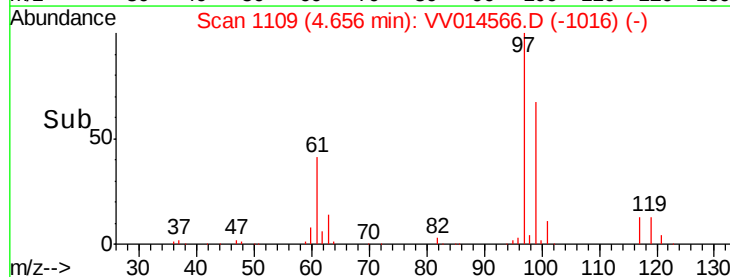
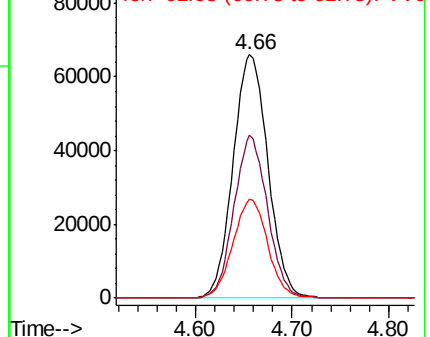
97 100

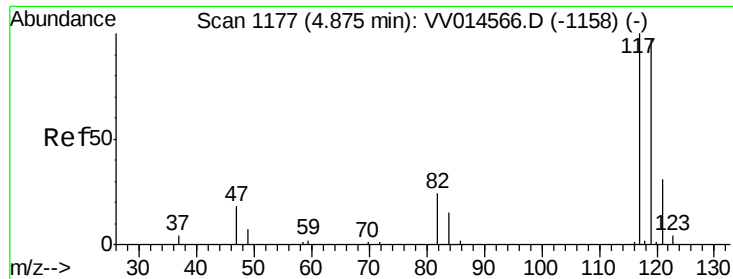
99 64.0 51.2 76.8

61 40.5 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

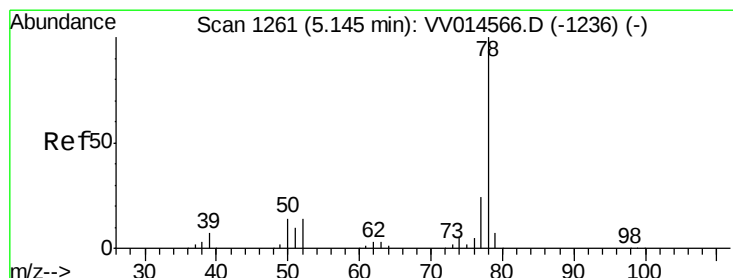
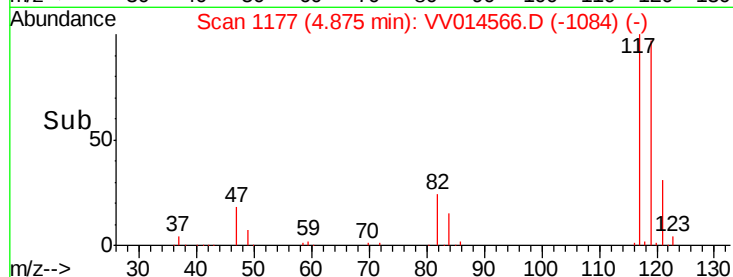
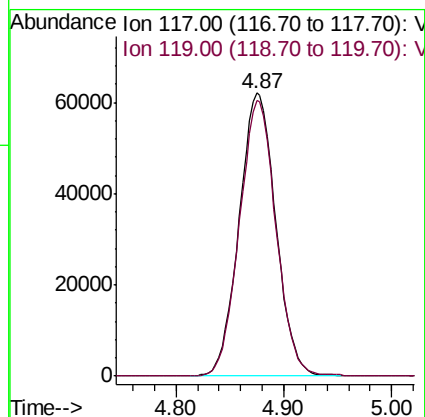
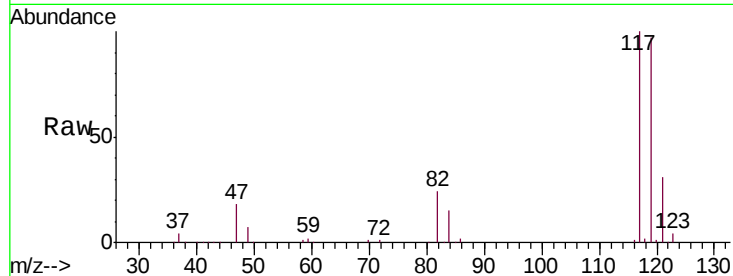




#31
Carbon tetrachloride
Concen: 50.365 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

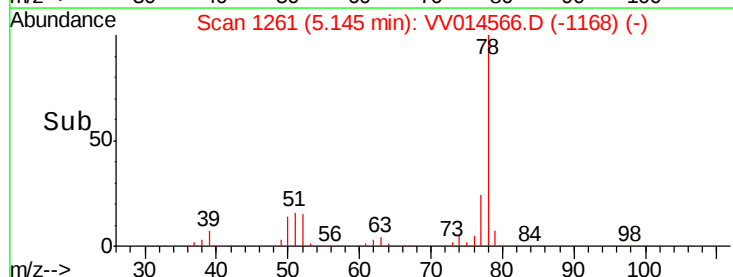
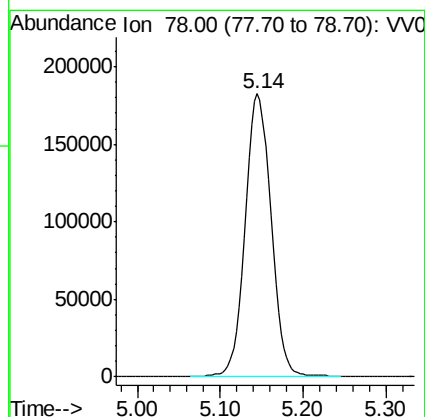
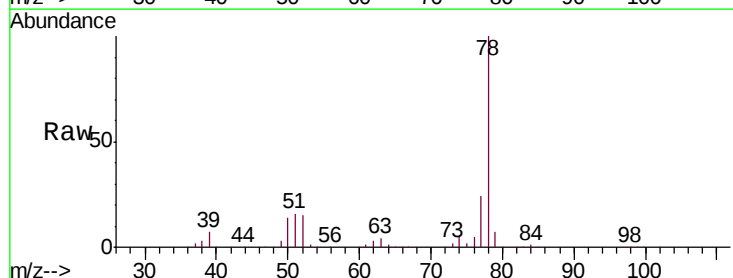
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

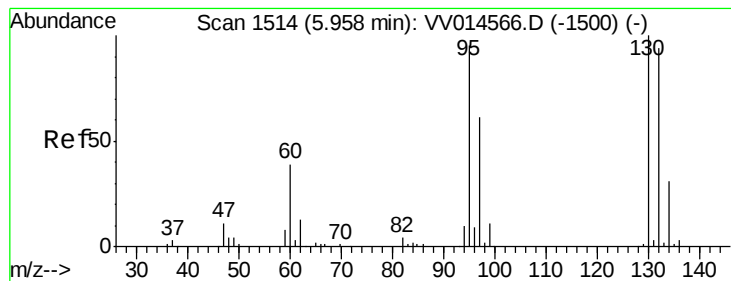
Tgt Ion:117 Resp: 146728
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4



#33
Benzene
Concen: 44.747 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014566.D
Acq: 12 Feb 2020 11:30

Tgt Ion: 78 Resp: 399380





#34

Trichloroethene

Concen: 46.637 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 95 Resp: 106338

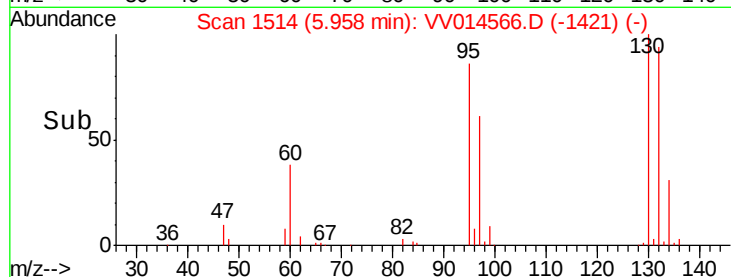
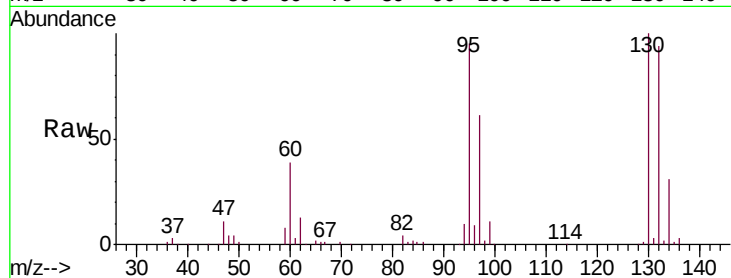
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 99.4 69.6 129.2

130 105.7 74.0 137.4

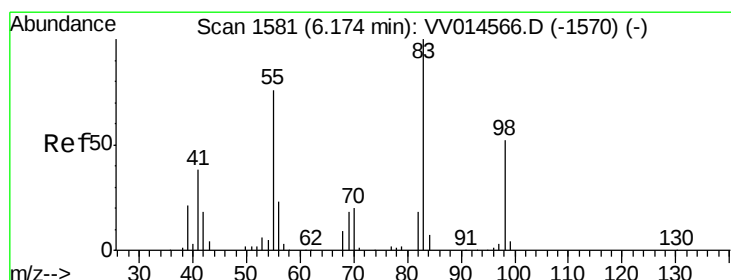
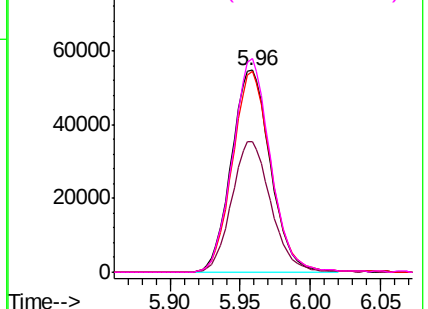


Abundance Ion 95.00 (94.70 to 95.70): VV014566.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV014566.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV014566.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV014566.D (-1421) (-)



#35

Methylcyclohexane

Concen: 44.296 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

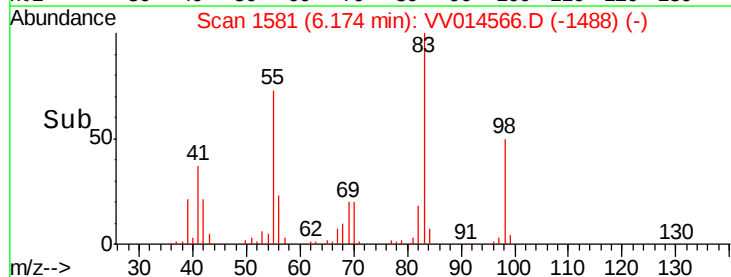
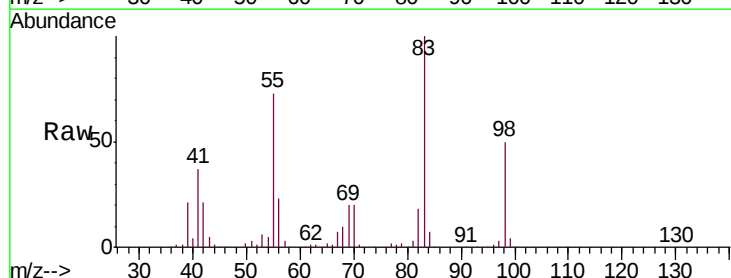
Tgt Ion: 83 Resp: 165594

Ion Ratio Lower Upper

83 100

55 72.2 57.8 86.6

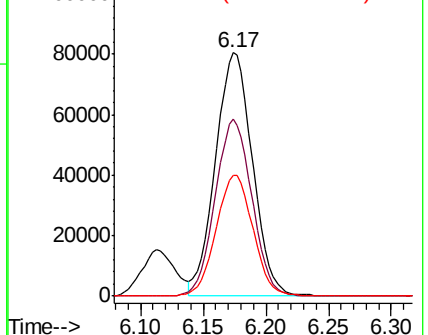
98 49.6 39.7 59.5

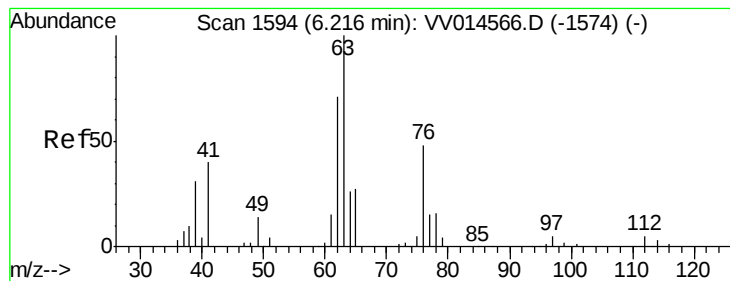


Abundance Ion 83.00 (82.70 to 83.70): VV014566.D (-1488) (-)

Ion 55.00 (54.70 to 55.70): VV014566.D (-1488) (-)

Ion 98.00 (97.70 to 98.70): VV014566.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 44.478 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampled :

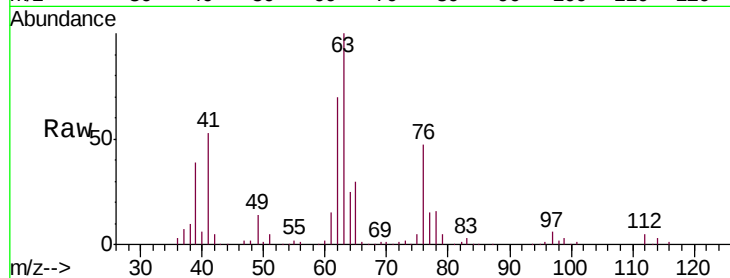
VSTD05062

Tgt Ion: 63 Resp: 99042

Ion Ratio Lower Upper

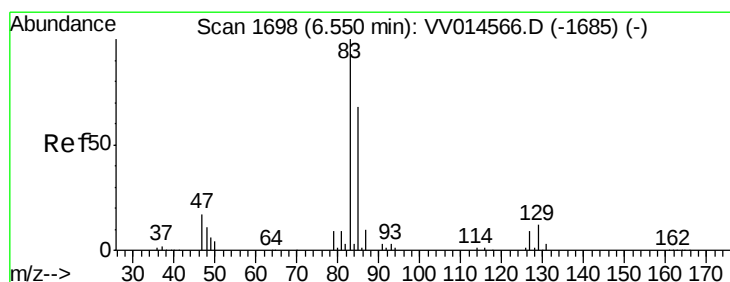
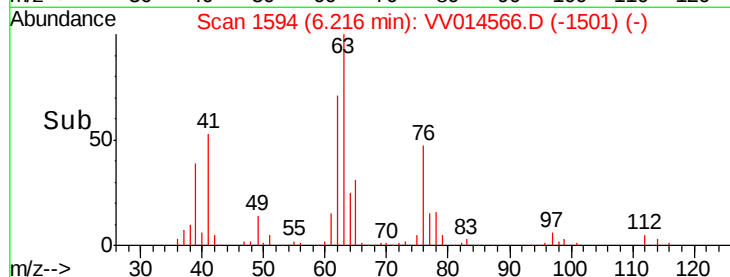
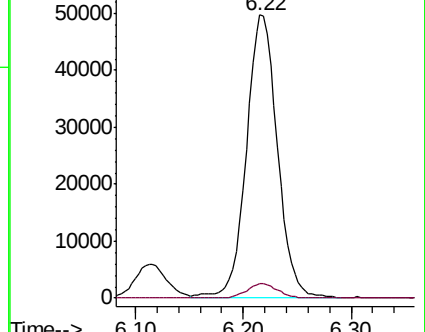
63 100

112 5.1 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VV014566.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV014566.D (-1574) (-)



#38

Bromodichloromethane

Concen: 46.699 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

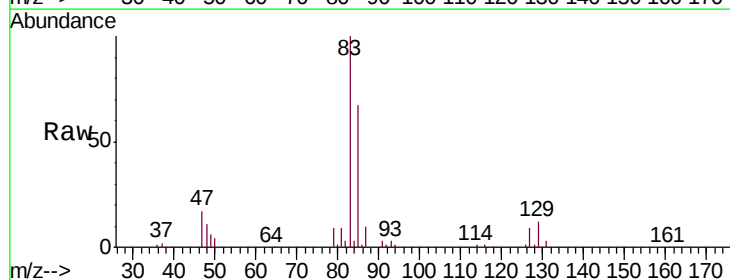
Tgt Ion: 83 Resp: 140791

Ion Ratio Lower Upper

83 100

85 67.5 47.3 87.8

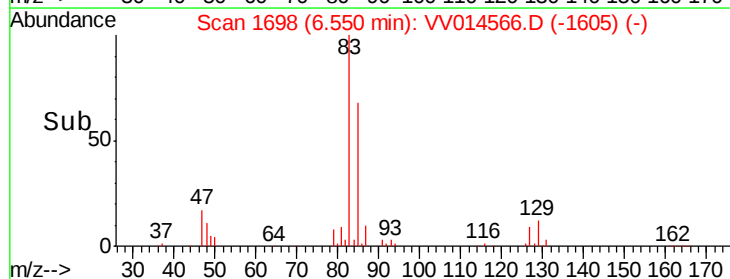
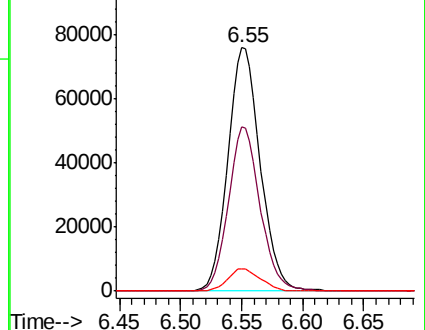
127 9.4 7.5 11.3

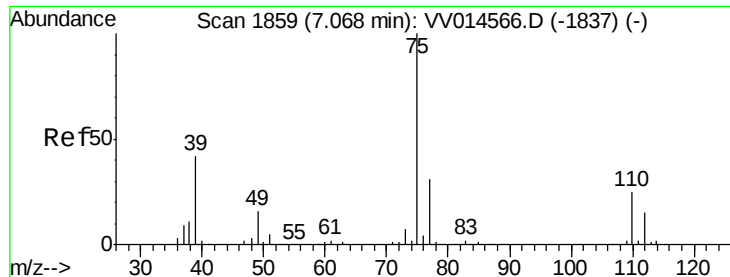


Abundance Ion 83.00 (82.70 to 83.70): VV014566.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV014566.D (-1685) (-)

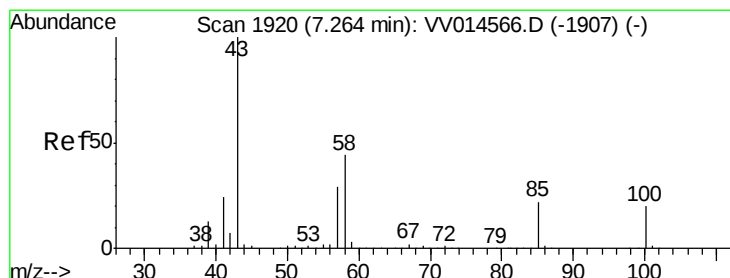
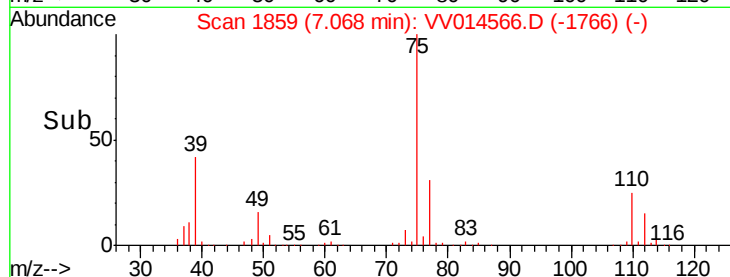
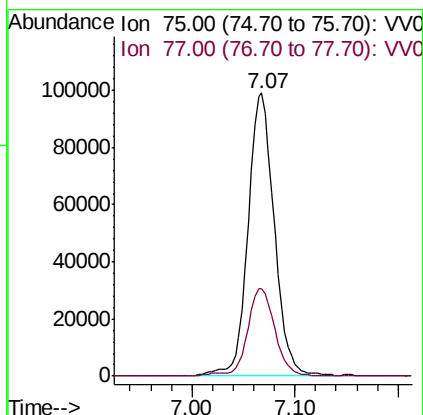
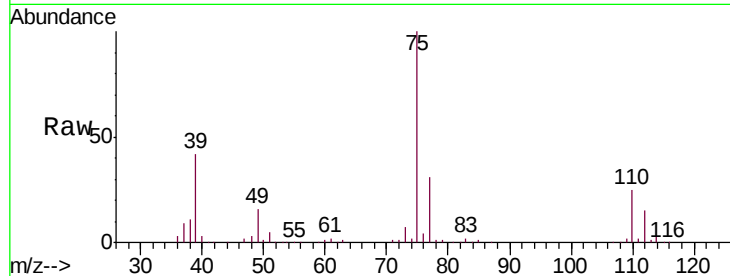




#39
 cis-1,3-Dichloropropene
 Concen: 47.494 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

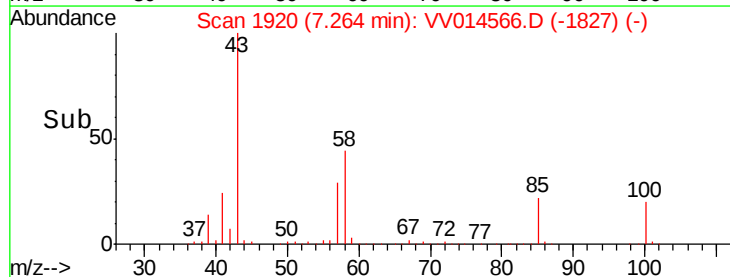
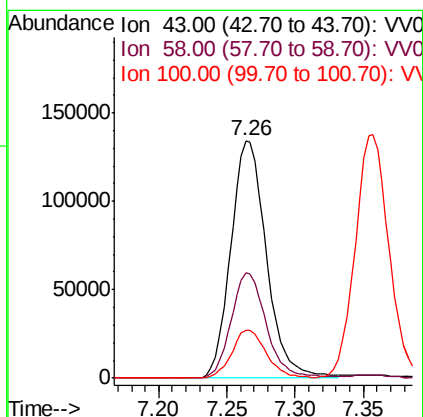
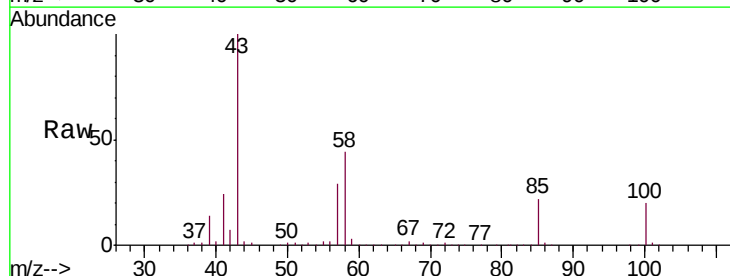
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05062

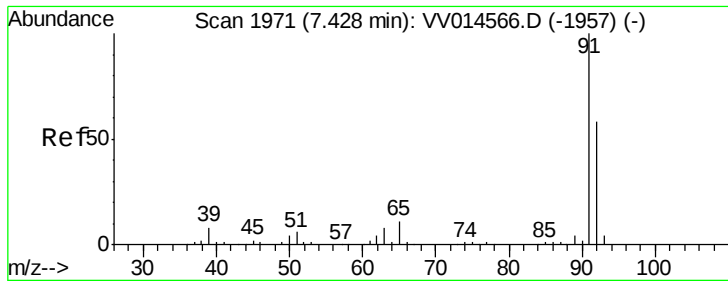
Tgt Ion: 75 Resp: 175183
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 90.604 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

Tgt Ion: 43 Resp: 243368
 Ion Ratio Lower Upper
 43 100
 58 43.8 35.0 52.6
 100 19.6 15.7 23.5





#42

Toluene

Concen: 46.334 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

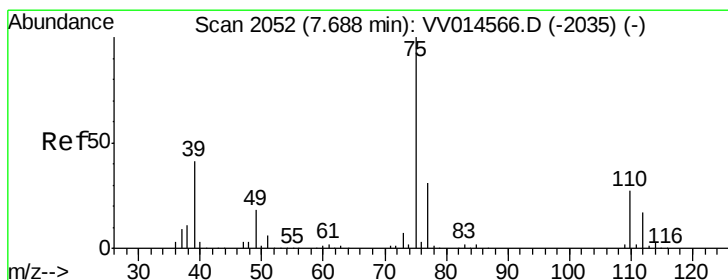
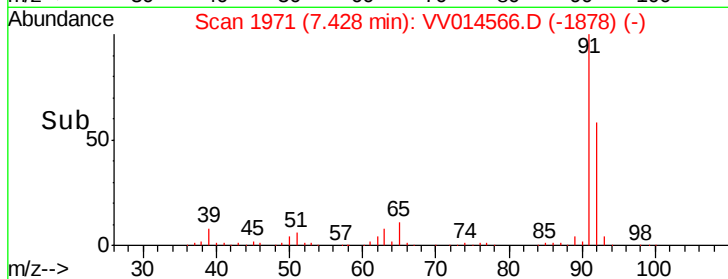
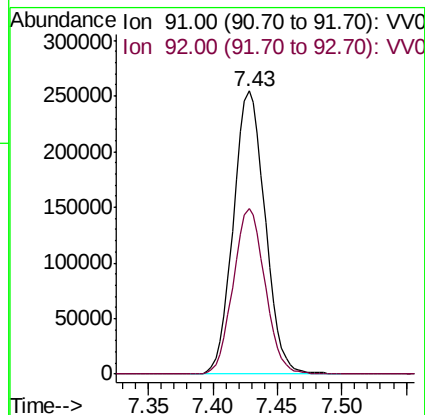
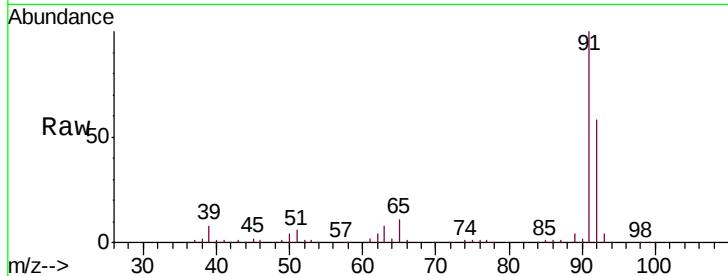
VSTD05062

Tgt Ion: 91 Resp: 435398

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 47.444 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014566.D

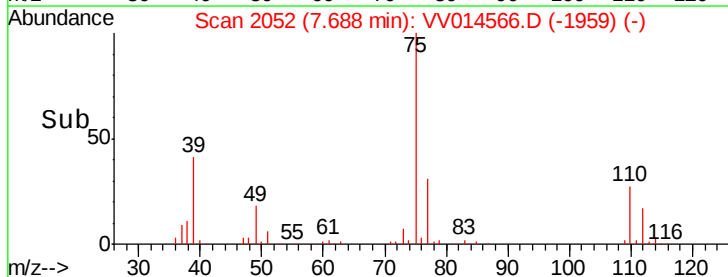
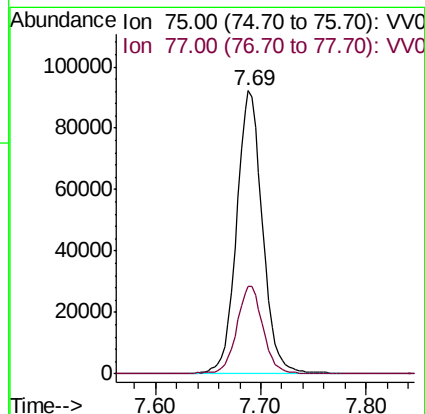
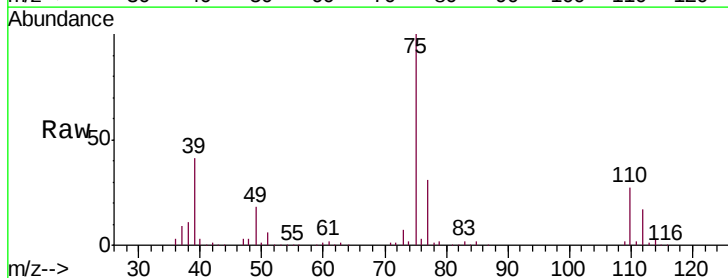
Acq: 12 Feb 2020 11:30

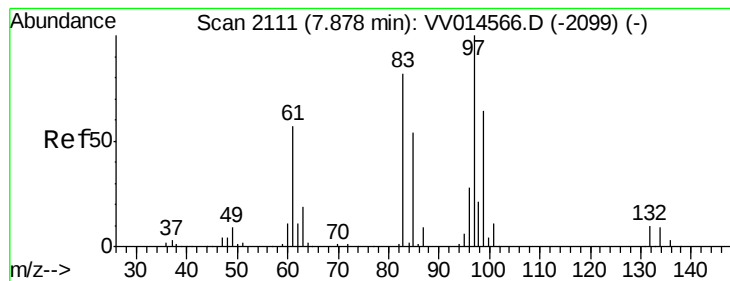
Tgt Ion: 75 Resp: 156646

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 47.352 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 97 Resp: 100823

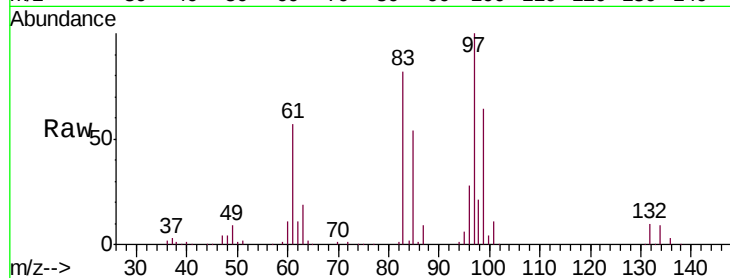
Ion Ratio Lower Upper

97 100

99 64.1 44.9 83.3

83 82.1 57.5 106.7

85 53.6 37.5 69.7

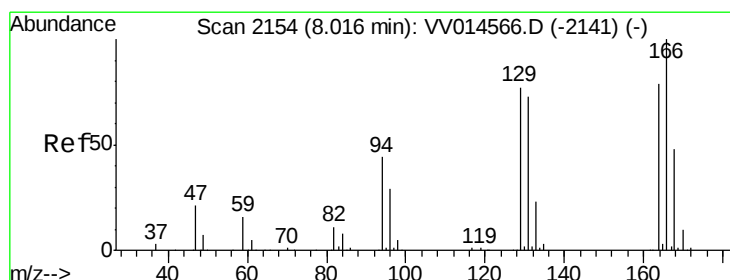
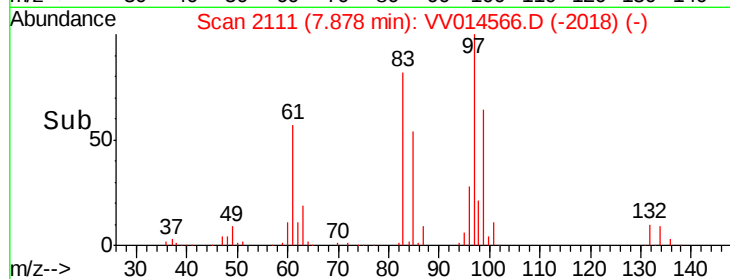
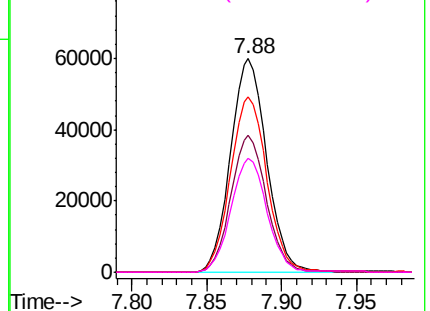


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.452 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Tgt Ion: 164 Resp: 83886

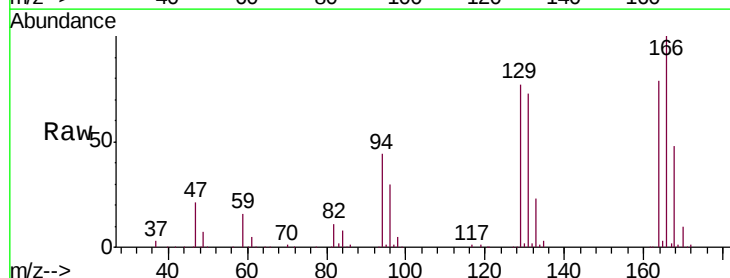
Ion Ratio Lower Upper

164 100

129 96.9 67.8 126.0

131 92.2 64.5 119.9

166 126.6 88.6 164.6

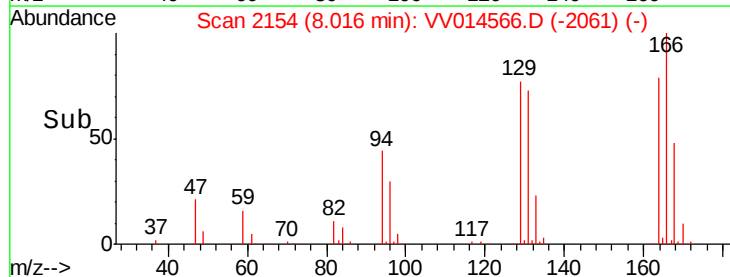
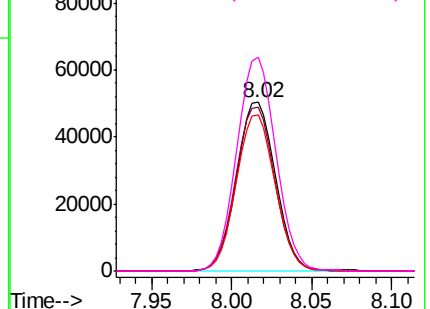


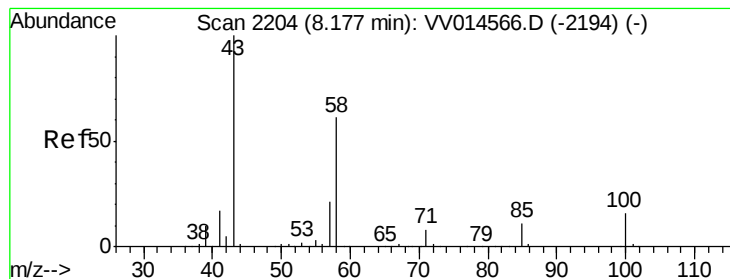
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 89.345 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 43 Resp: 185562

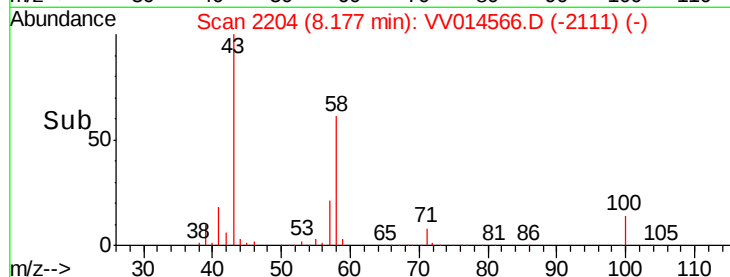
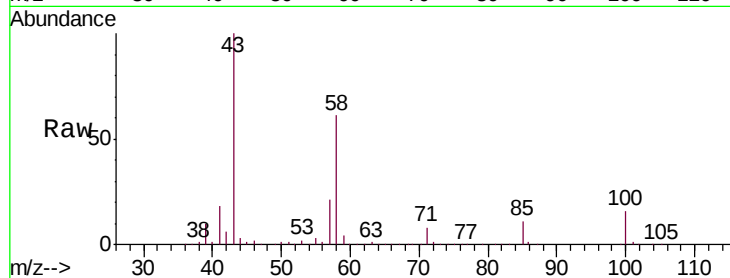
Ion Ratio Lower Upper

43 100

58 63.0 50.4 75.6

57 22.2 17.8 26.6

100 15.8 12.6 19.0

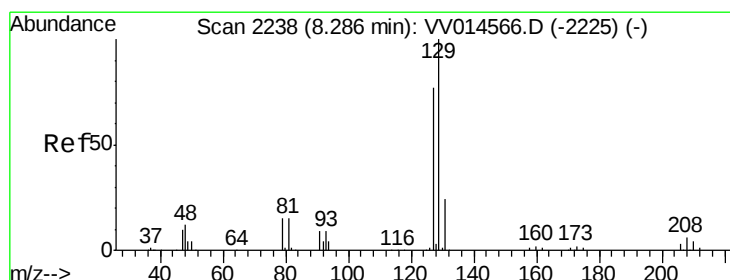
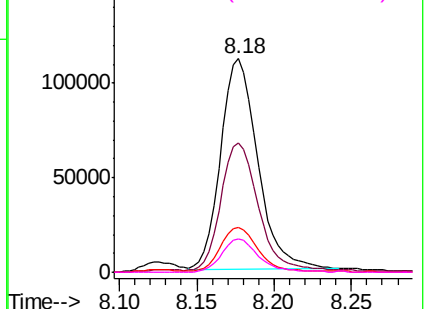


Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-2111) (-)

Ion 58.00 (57.70 to 58.70): VV014566.D (-2111) (-)

Ion 57.00 (56.70 to 57.70): VV014566.D (-2111) (-)

Ion 100.00 (99.70 to 100.70): VV014566.D (-2111) (-)



#49

Dibromochloromethane

Concen: 50.521 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014566.D

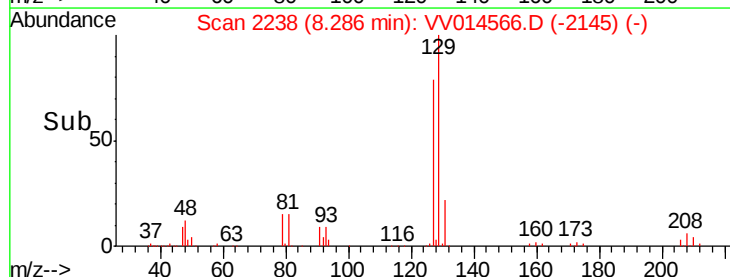
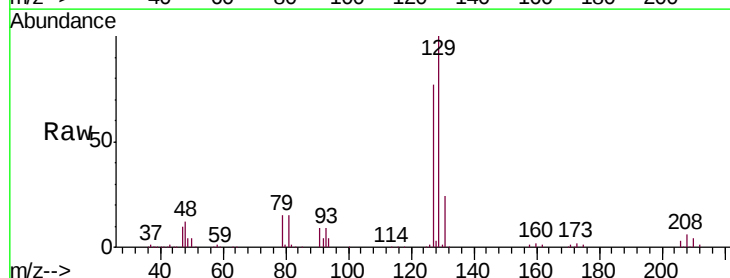
Acq: 12 Feb 2020 11:30

Tgt Ion: 129 Resp: 120308

Ion Ratio Lower Upper

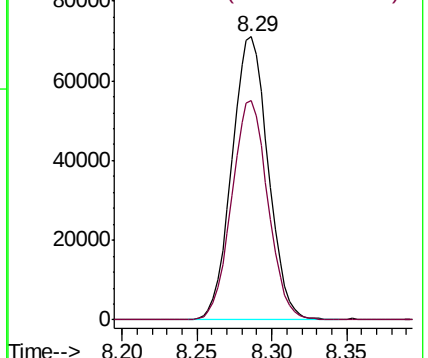
129 100

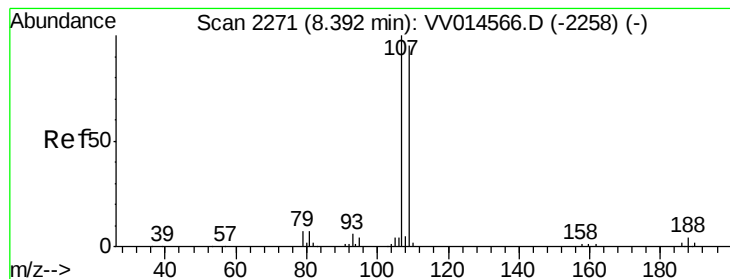
127 77.5 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014566.D (-2145) (-)

Ion 127.00 (126.70 to 127.70): VV014566.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 47.651 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

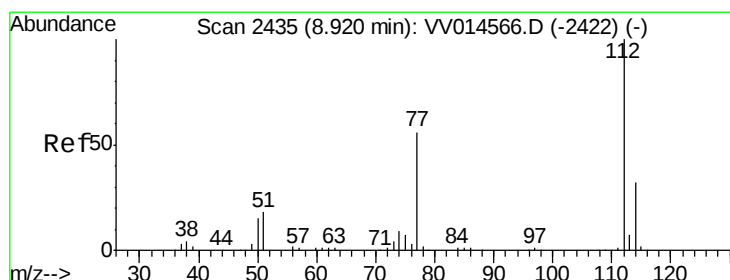
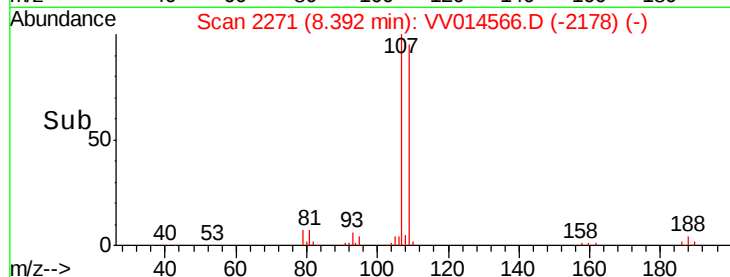
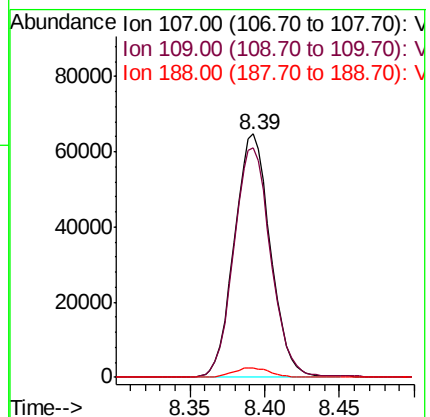
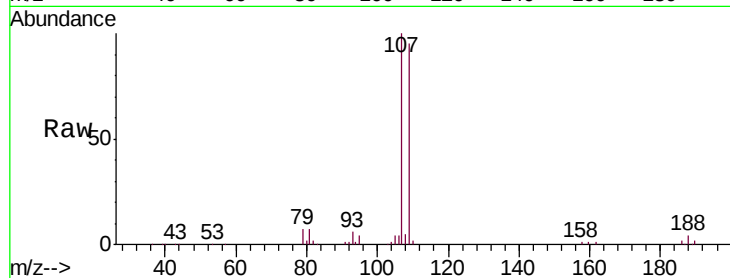
Tgt Ion:107 Resp: 108893

Ion Ratio Lower Upper

107 100

109 94.5 66.1 122.8

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 47.538 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

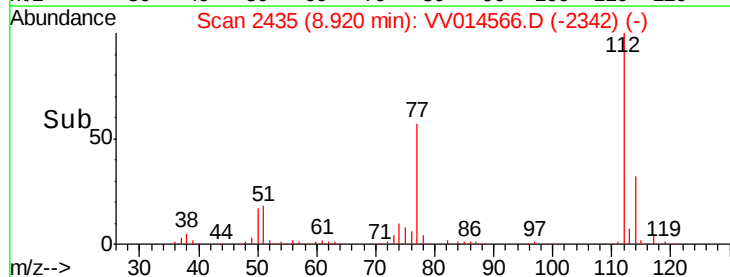
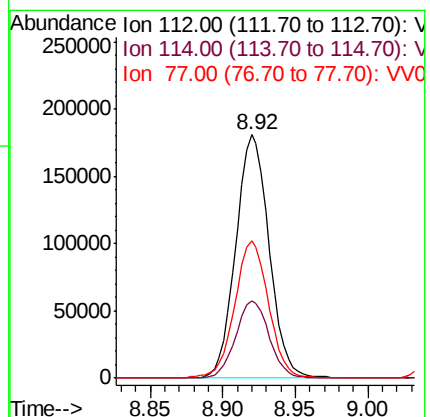
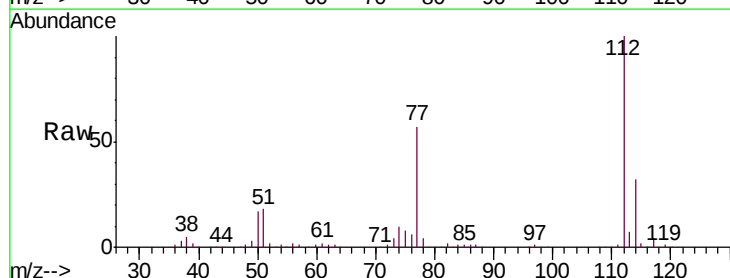
Tgt Ion:112 Resp: 288610

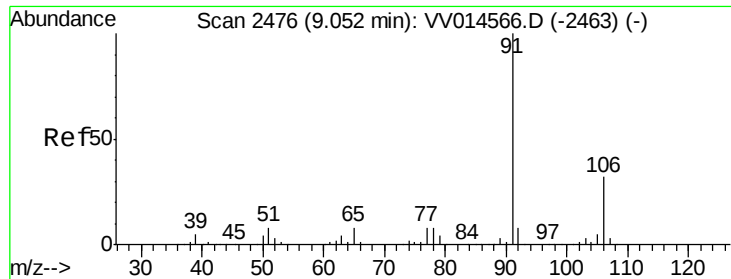
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 56.6 45.3 67.9





#52

Ethylbenzene

Concen: 46.549 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

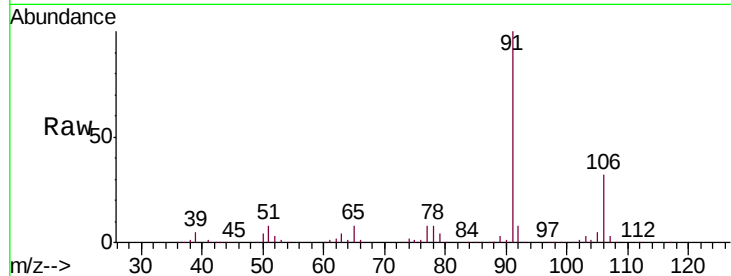
VSTD05062

Tgt Ion: 91 Resp: 492543

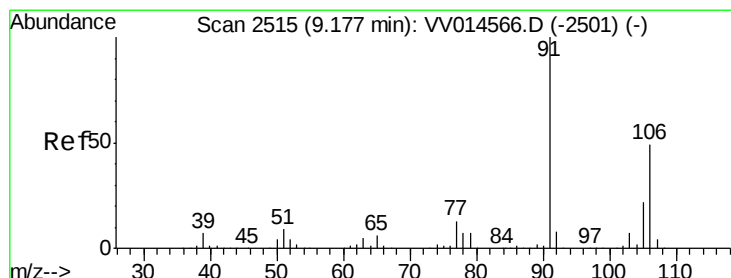
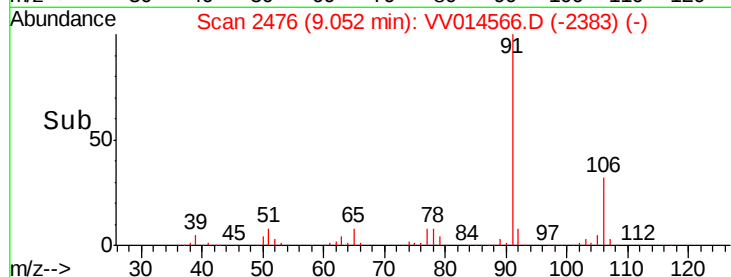
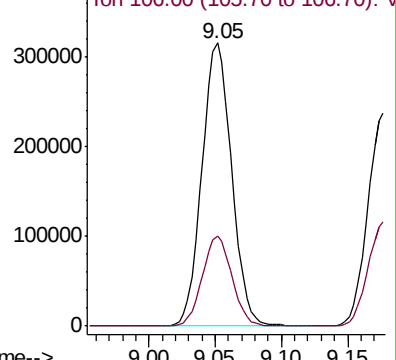
Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



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



#53

m,p-Xylene

Concen: 47.808 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014566.D

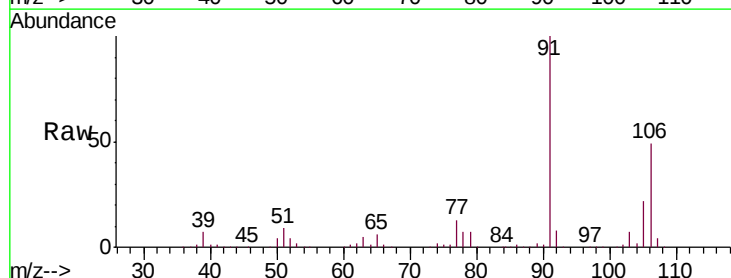
Acq: 12 Feb 2020 11:30

Tgt Ion: 106 Resp: 189239

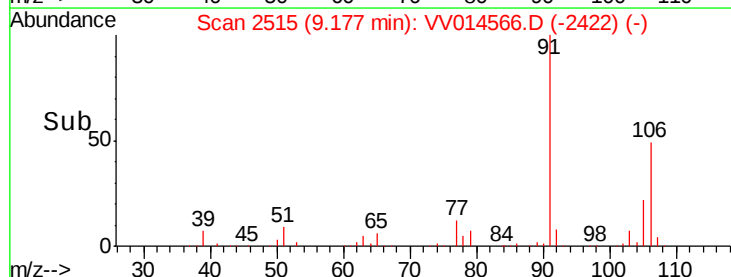
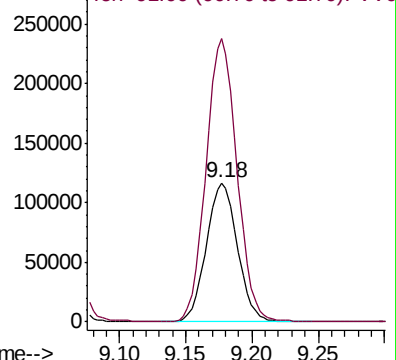
Ion Ratio Lower Upper

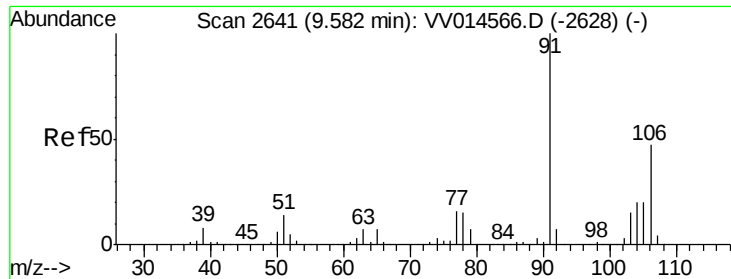
106 100

91 203.4 142.4 264.4



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





#54

o-xylene

Concen: 46.718 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

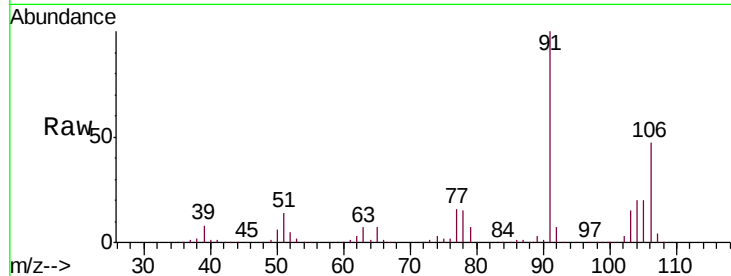
VSTD05062

Tgt Ion:106 Resp: 182829

Ion Ratio Lower Upper

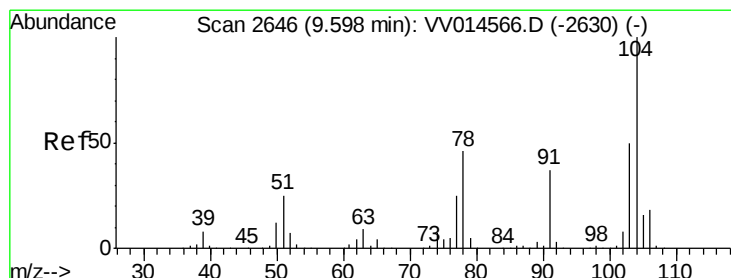
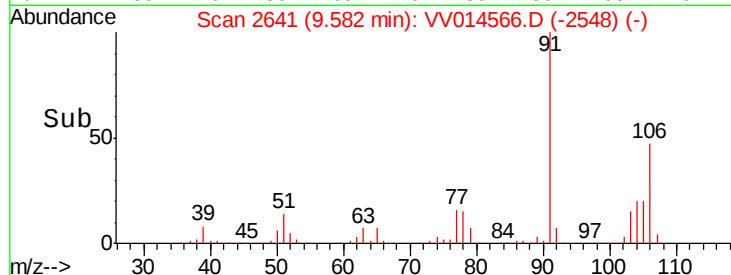
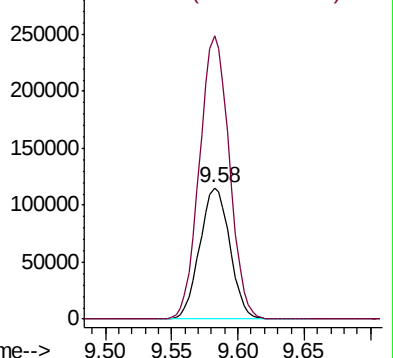
106 100

91 215.0 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.238 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014566.D

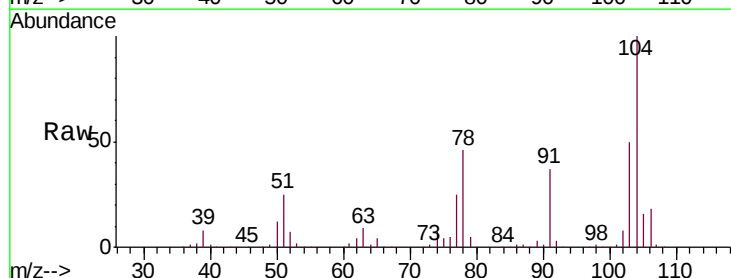
Acq: 12 Feb 2020 11:30

Tgt Ion:104 Resp: 317784

Ion Ratio Lower Upper

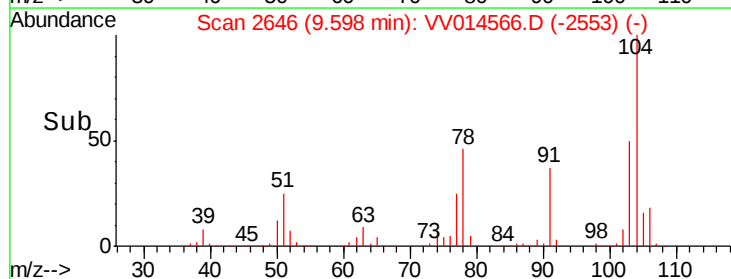
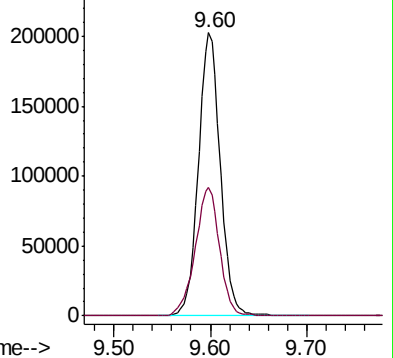
104 100

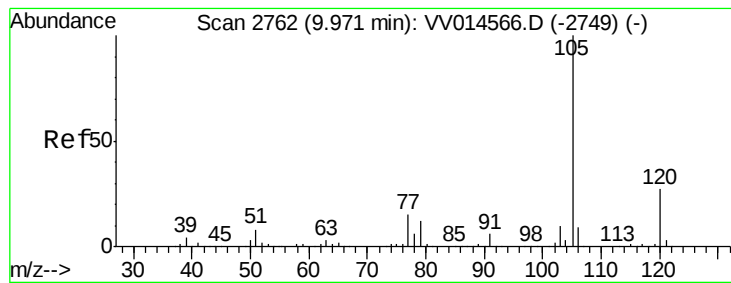
78 45.5 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.111 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

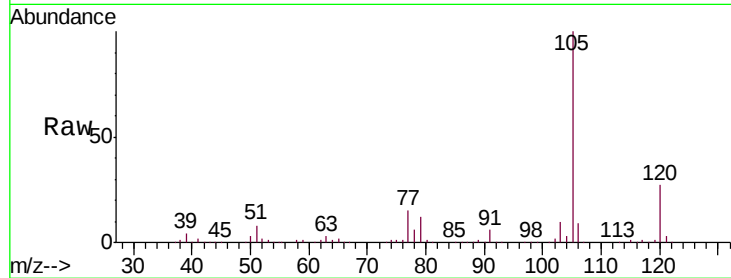
Tgt Ion: 105 Resp: 484871

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

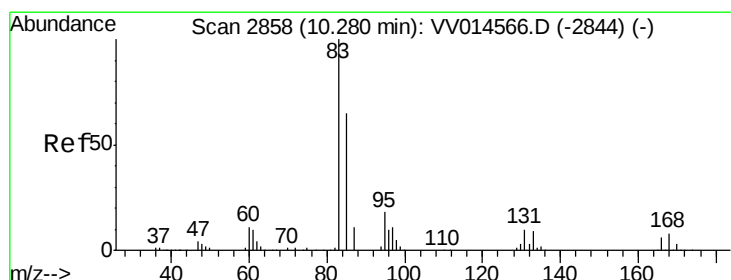
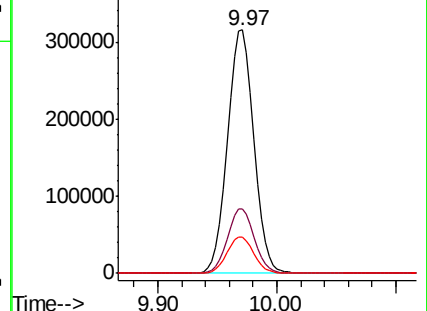
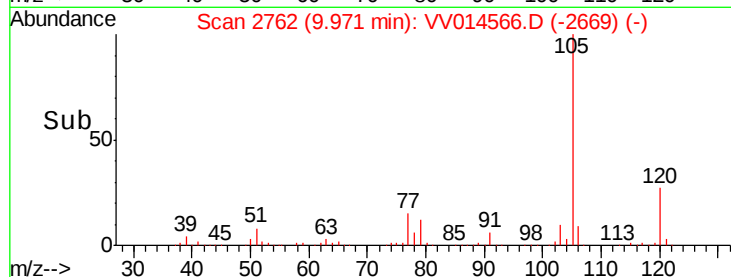
77 15.2 12.2 18.2



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: 46.757 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

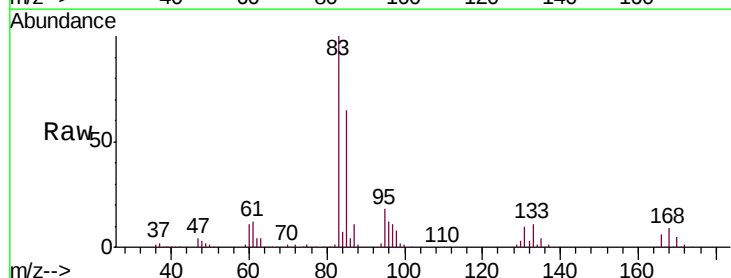
Tgt Ion: 83 Resp: 159676

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9

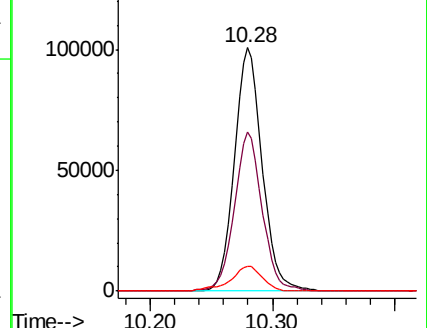
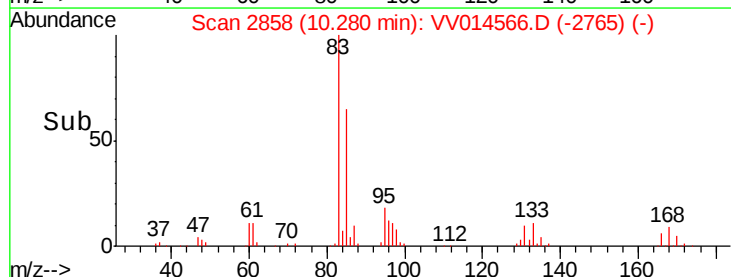
131 10.3 8.2 12.4

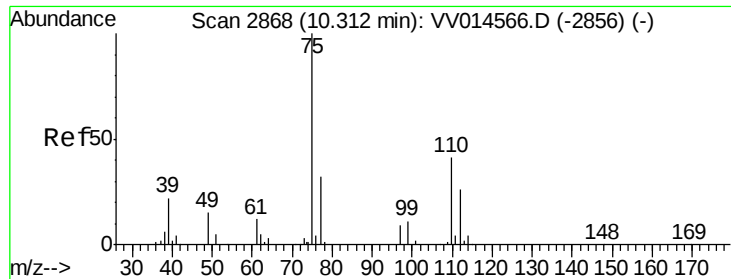


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.936 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

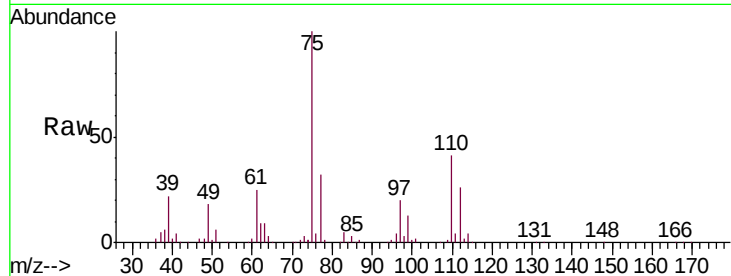
VSTD05062

Tgt Ion: 75 Resp: 125424

Ion Ratio Lower Upper

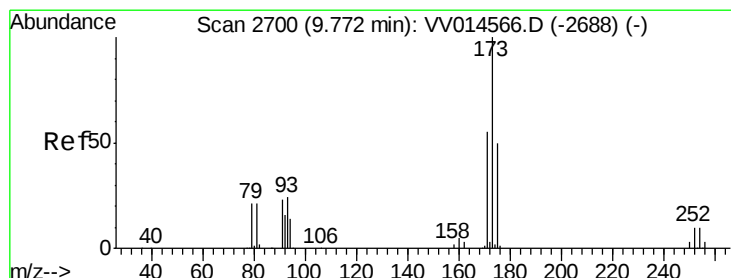
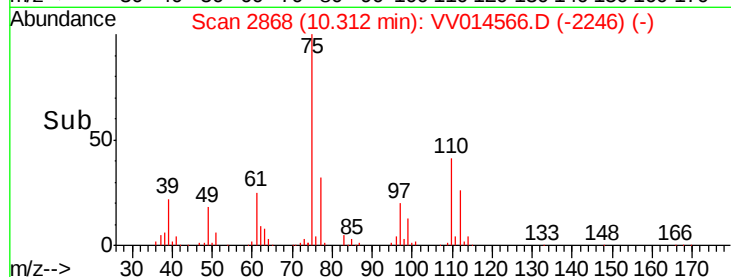
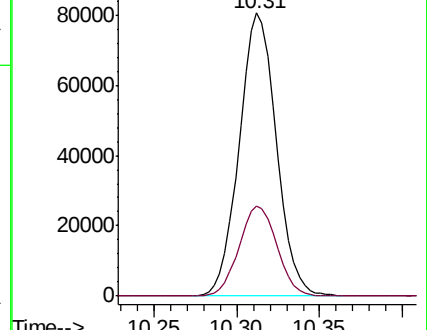
75 100

77 32.4 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) (-)



#61

Bromoform

Concen: 50.342 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

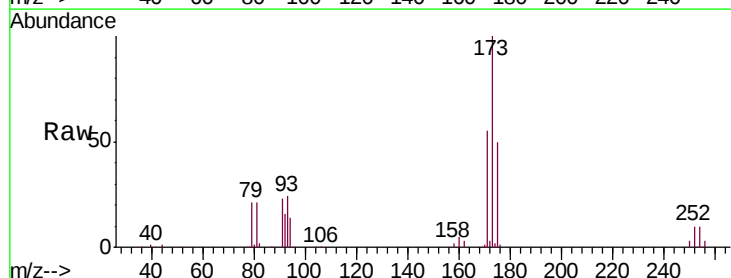
Tgt Ion: 173 Resp: 81797

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

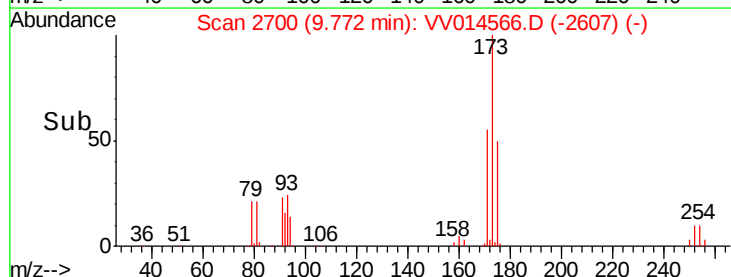
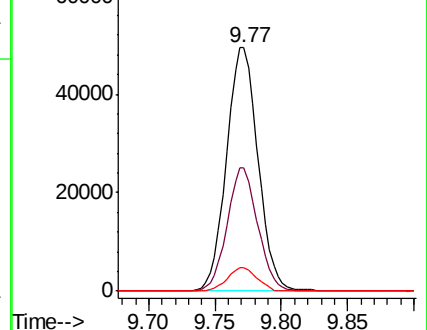
254 8.9 7.1 10.7

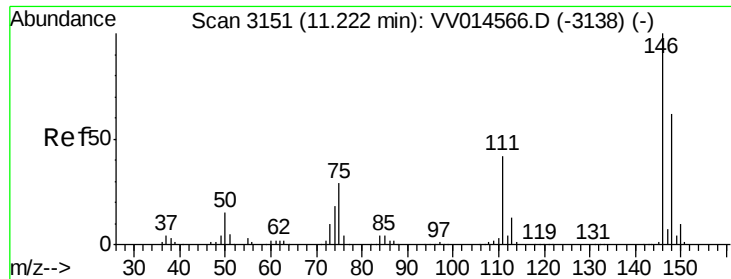


Abundance Ion 173.00 (172.70 to 173.70): VV014566.D (-2688) (-)

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

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





#62

1,3-Dichlorobenzene

Concen: 48.099 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

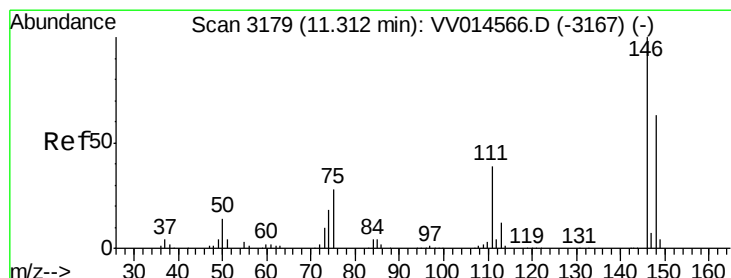
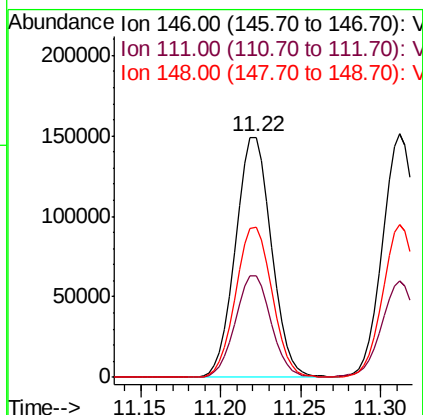
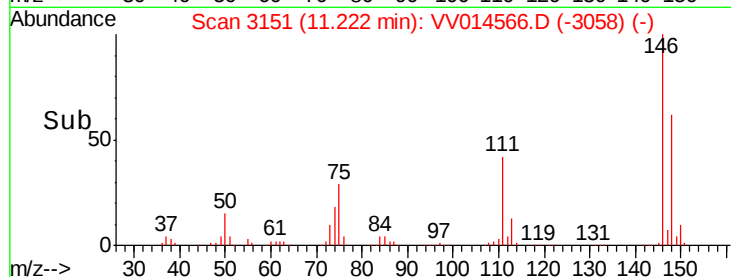
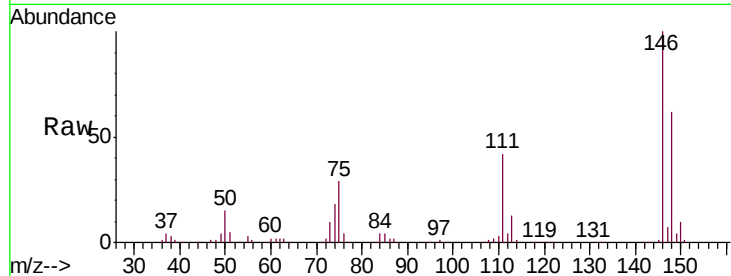
Tgt Ion:146 Resp: 228339

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

148 62.3 43.6 81.0



#63

1,4-Dichlorobenzene

Concen: 47.994 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

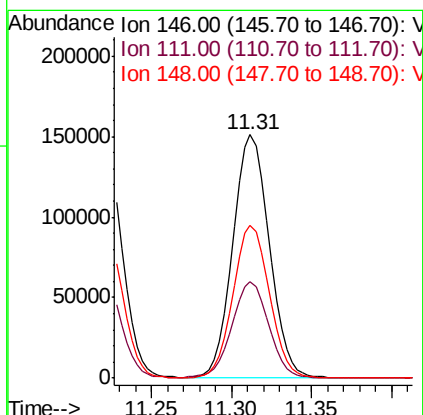
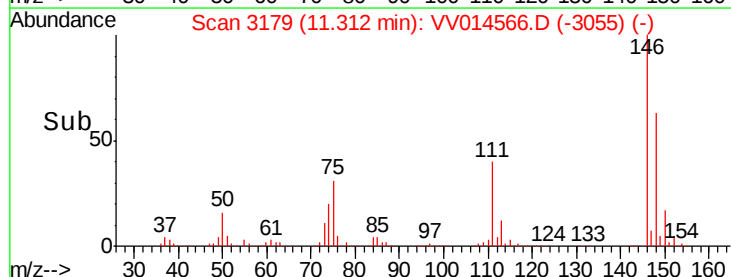
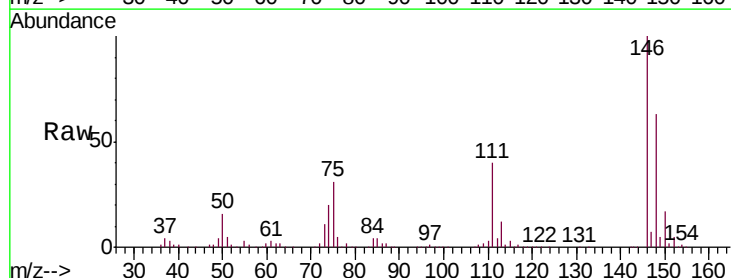
Tgt Ion:146 Resp: 234938

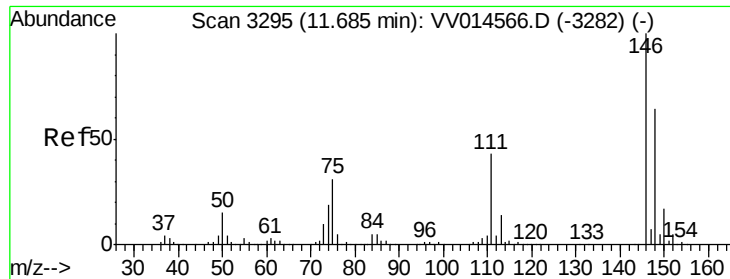
Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

148 63.0 44.1 81.9

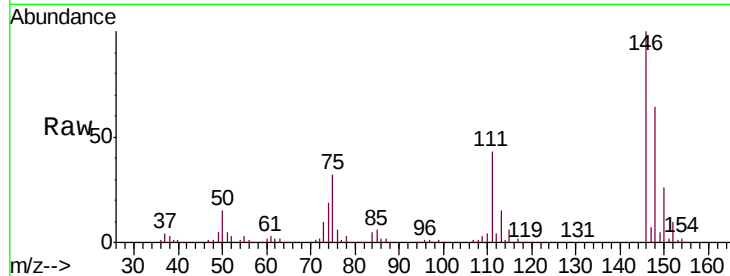




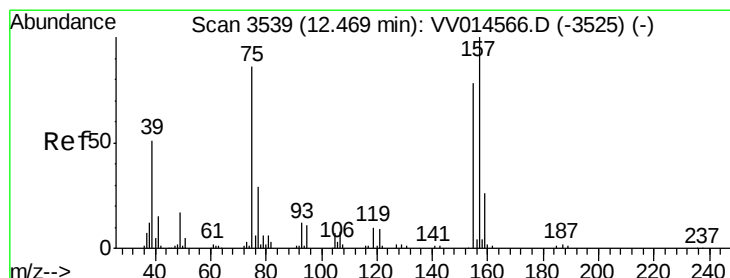
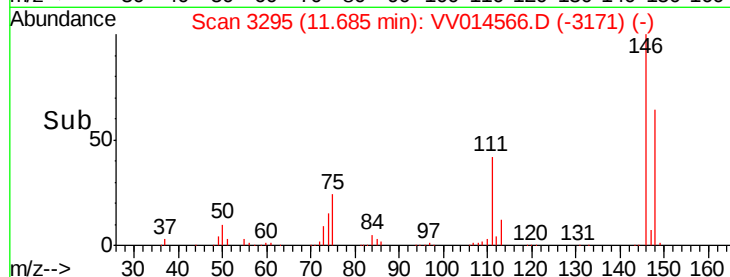
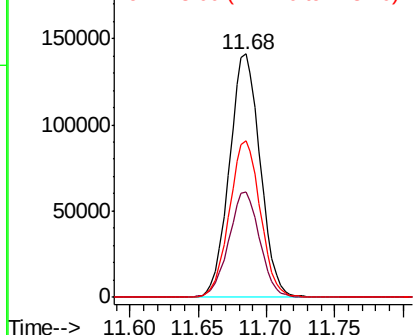
#65
 1,2-Dichlorobenzene
 Concen: 47.402 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion: 146 Resp: 221589
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 52.0
 148 64.3 51.4 77.2

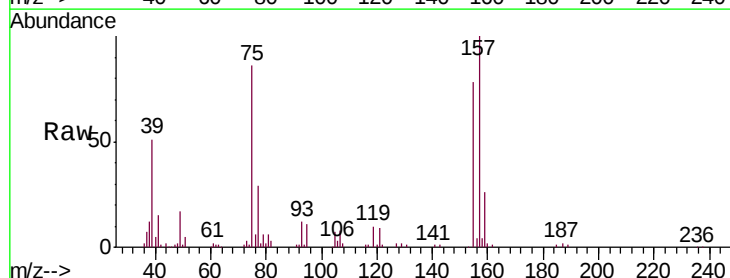


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

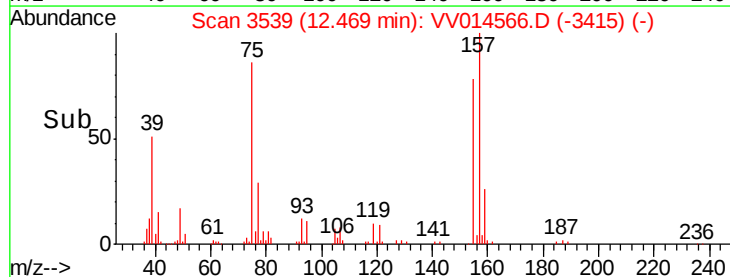
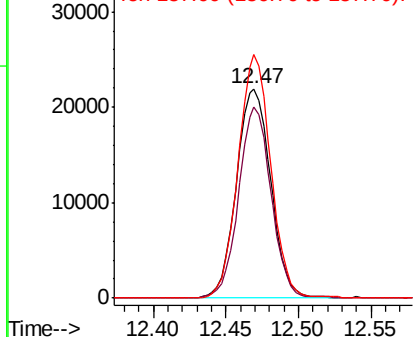


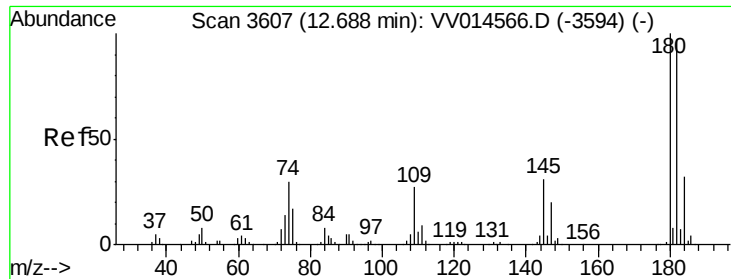
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.080 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

Tgt Ion: 75 Resp: 35973
 Ion Ratio Lower Upper
 75 100
 155 91.1 72.9 109.3
 157 116.2 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

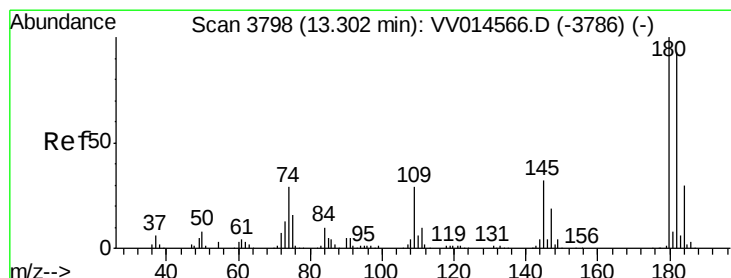
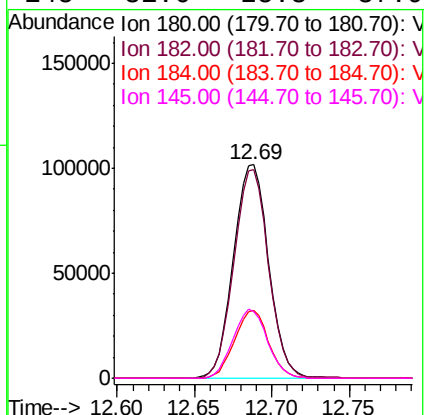
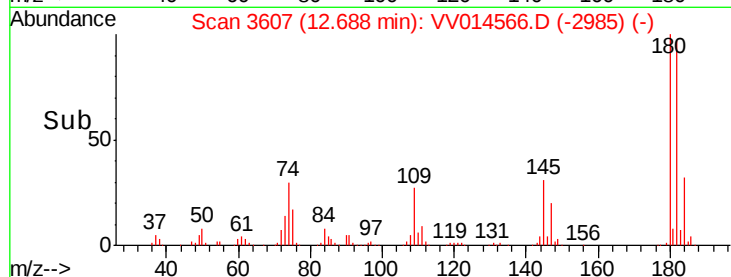
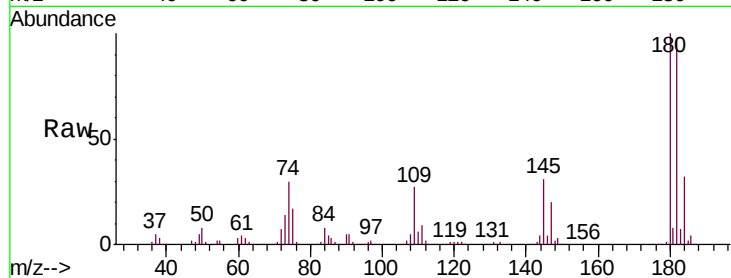




#67
 1,3,5-Trichlorobenzene
 Concen: 49.835 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

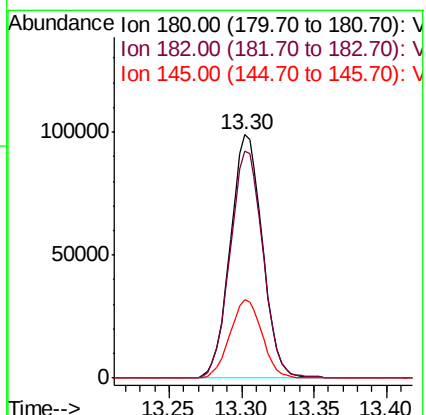
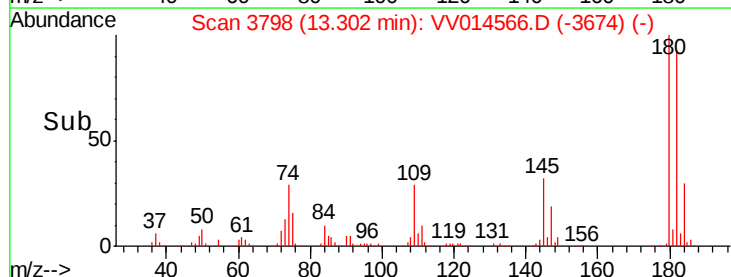
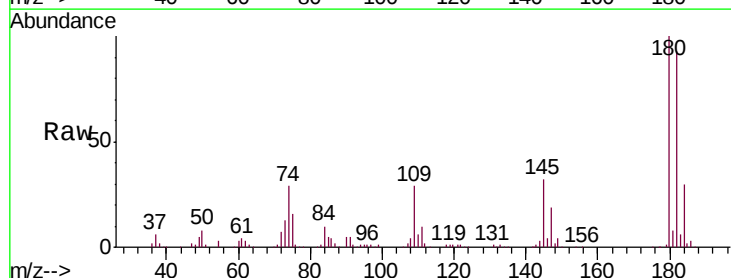
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

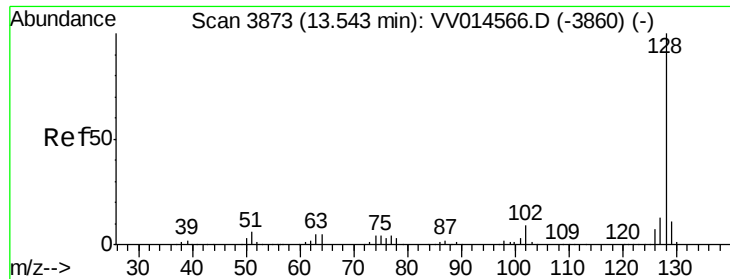
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	30.6	24.5	36.7
145	31.6	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 51.591 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014566.D
 Acq: 12 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	32.2	25.8	38.6





#69

Naphthalene

Concen: 52.069 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

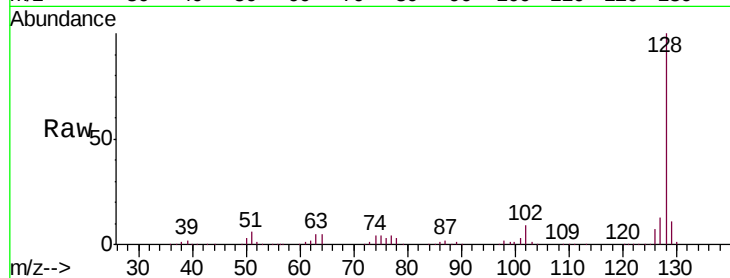
Tgt Ion:128 Resp: 485333

Ion Ratio Lower Upper

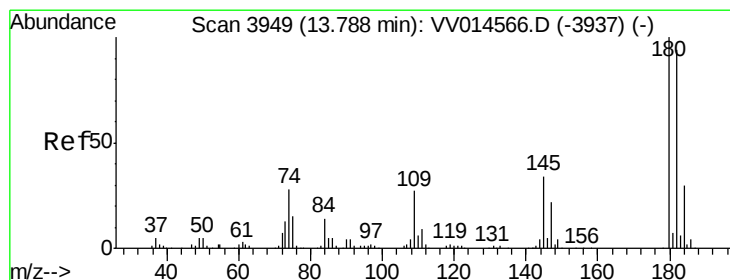
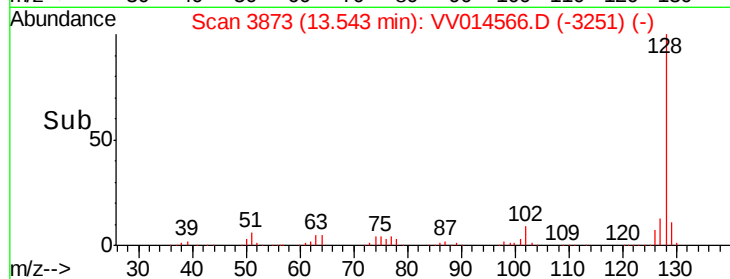
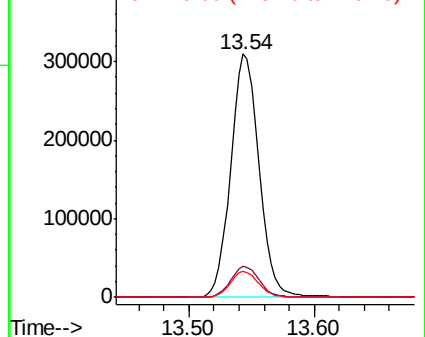
128 100

127 12.8 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: 51.589 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014566.D

Acq: 12 Feb 2020 11:30

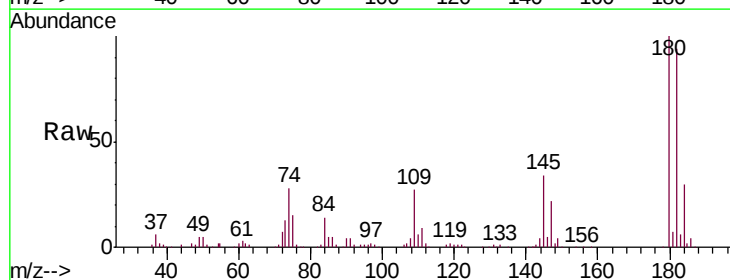
Tgt Ion:180 Resp: 146587

Ion Ratio Lower Upper

180 100

182 94.0 75.2 112.8

145 33.9 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

