

Data File : VV014564.D
Acq On : 12 Feb 2020 10:43
Operator : SY/MD
Sample : VSTD00566
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Quant Time: Feb 13 04:51:41 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	309193	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	287409	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	148749	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5933	3.69	ug/L	0.00
7) Chloroethane-d5	1.59	69	4228	4.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	9488	4.29	ug/L	0.00
21) 2-Butanone-d5	3.94	46	8246	7.38	ug/L	0.02
24) Chloroform-d	4.40	84	15749	4.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9728	4.48	ug/L	0.00
32) Benzene-d6	5.09	84	32728	4.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9773	4.23	ug/L	0.00
41) Toluene-d8	7.35	98	31711	4.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4963	4.15	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	7590	8.42	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.25	84	13269	4.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13479	5.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	10872	4.373	ug/L	99
3) Chloromethane	1.26	50	10571	4.224	ug/L	99
5) Vinyl chloride	1.33	62	6773	3.386	ug/L	99
6) Bromomethane	1.54	94	2889	4.056	ug/L	99
8) Chloroethane	1.60	64	3601	4.042	ug/L	97
9) Trichlorofluoromethane	1.77	101	11333	4.632	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4886	4.338	ug/L	96
12) 1,1-Dichloroethene	2.14	96	4531	4.034	ug/L	89
13) Acetone	2.18	43	6881	7.084	ug/L	95
14) Carbon disulfide	2.32	76	22715	4.133	ug/L	98
15) Methyl Acetate	2.46	43	7521	4.106	ug/L	97
16) Methylene chloride	2.54	84	9806	4.477	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	9369	4.716	ug/L	93
18) Methyl tert-butyl Ether	2.80	73	28469	4.632	ug/L	98
19) 1,1-Dichloroethane	3.23	63	15880	4.423	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	10386	4.652	ug/L	96
22) 2-Butanone	4.02	43	10318	7.494	ug/L	74
23) Bromochloromethane	4.30	128	4846	4.616	ug/L	89
25) Chloroform	4.42	83	17410	4.706	ug/L	98
27) 1,2-Dichloroethane	5.18	62	12622	4.787	ug/L #	94
29) Cyclohexane	4.72	56	13851	4.146	ug/L	97
30) 1,1,1-Trichloroethane	4.65	97	14308	4.689	ug/L	98
31) Carbon tetrachloride	4.87	117	13008	4.852	ug/L	97
33) Benzene	5.14	78	36208	4.408	ug/L	100
34) Trichloroethene	5.96	95	9697	4.621	ug/L	95
35) Methylcyclohexane	6.17	83	15711	4.567	ug/L	98
37) 1,2-Dichloropropane	6.22	63	9120	4.450	ug/L #	93
38) Bromodichloromethane	6.55	83	12881	4.643	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	15316	4.512	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	21047	8.515	ug/L	95

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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)
42) Toluene	7.43	91	39272	4.541	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	13302	4.378	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	9076	4.632	ug/L	93
46) Tetrachloroethene	8.01	164	7485	4.795	ug/L	94
48) 2-Hexanone	8.19	43	15946	8.343	ug/L	99
49) Dibromochloromethane	8.29	129	10720	4.892	ug/L	96
50) 1,2-Dibromoethane	8.39	107	9726	4.625	ug/L	97
51) Chlorobenzene	8.92	112	26456	4.735	ug/L	96
52) Ethylbenzene	9.05	91	44434	4.563	ug/L	100
53) m,p-Xylene	9.18	106	17956	4.929	ug/L	98
54) o-xylene	9.58	106	16784	4.660	ug/L	99
55) Styrene	9.60	104	27973	4.614	ug/L	96
56) Isopropylbenzene	9.97	105	45227	4.876	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	14585	4.641	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	11477	4.667	ug/L	98
61) Bromoform	9.77	173	7354	4.762	ug/L #	92
62) 1,3-Dichlorobenzene	11.22	146	22306	4.944	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	22544	4.846	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	21889	4.927	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	3295	4.634	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	15980	5.214	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	14882	5.315	ug/L	99
69) Naphthalene	13.55	128	45143	5.096	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	13999	5.184	ug/L	96

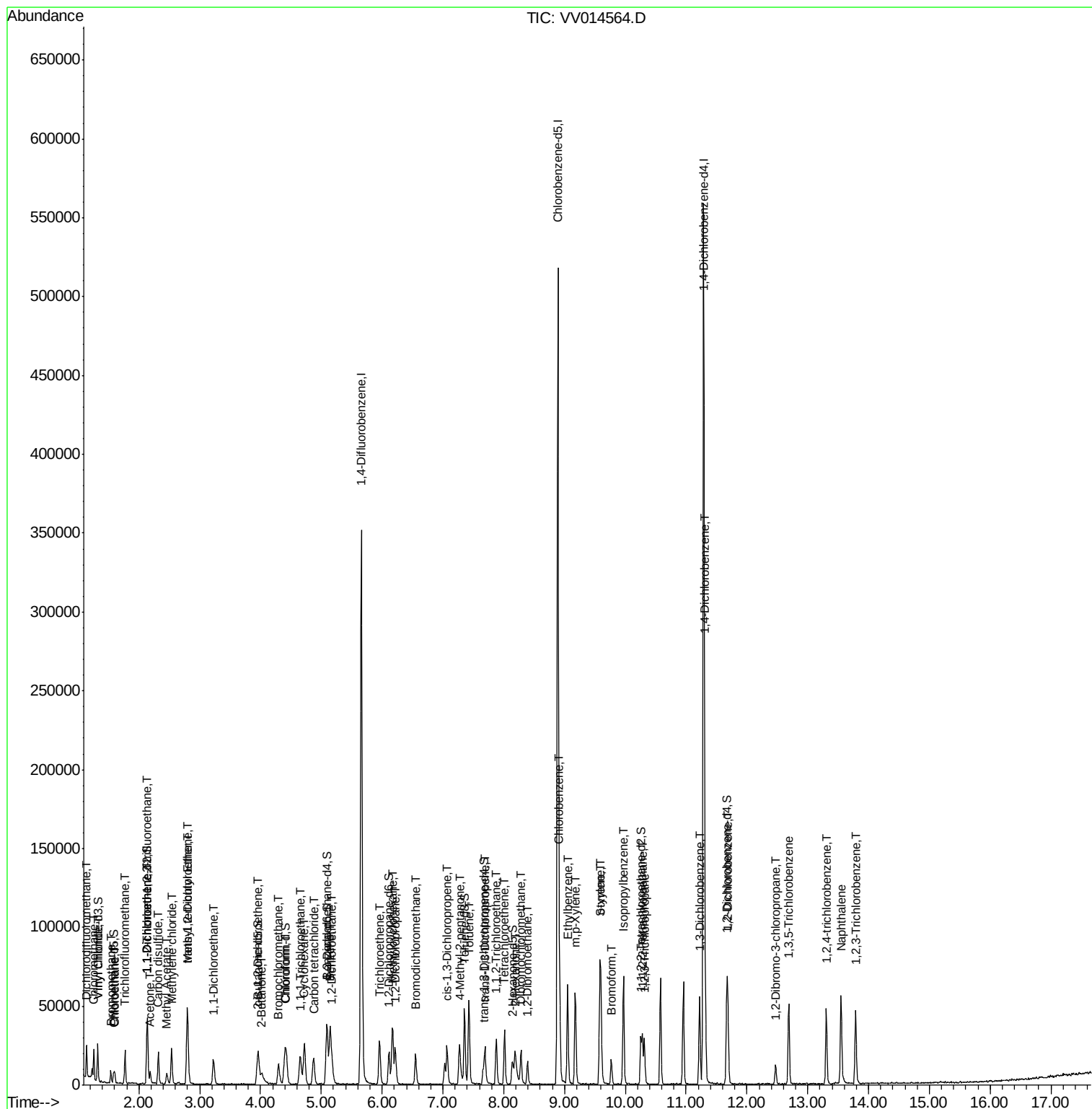
(#) = qualifier out of range (m) = manual integration (+) = signals summed

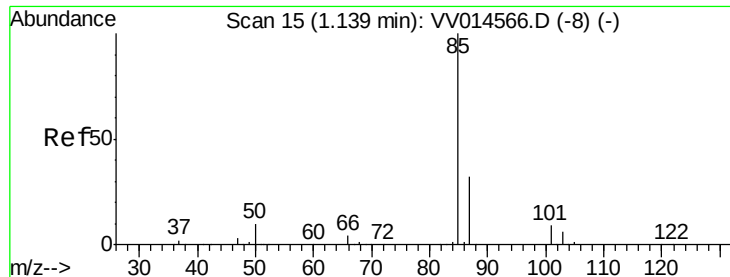
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#2

Dichlorodifluoromethane

Concen: 4.373 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

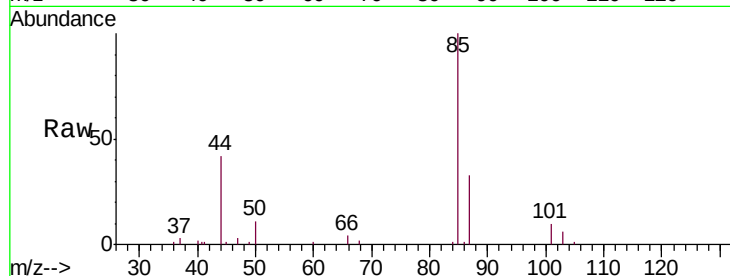
VSTD00566

Tgt Ion: 85 Resp: 10872

Ion Ratio Lower Upper

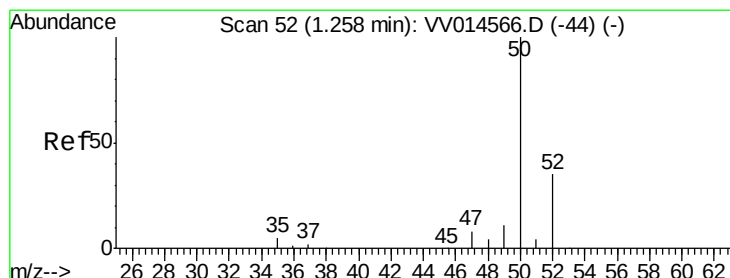
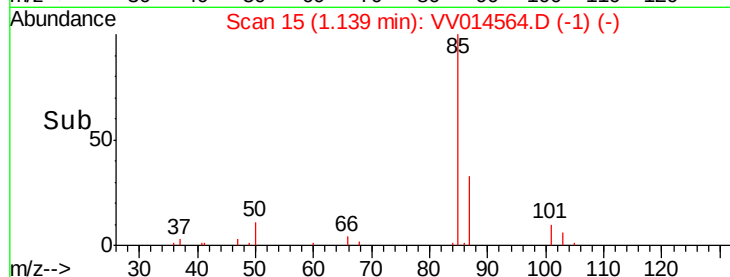
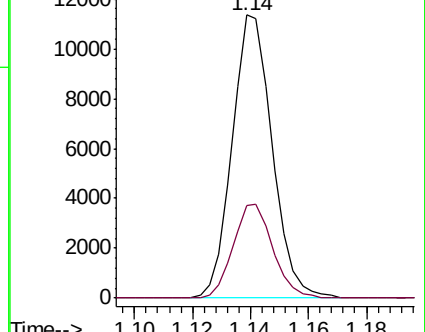
85 100

87 32.8 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) (-)



#3

Chloromethane

Concen: 4.224 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014564.D

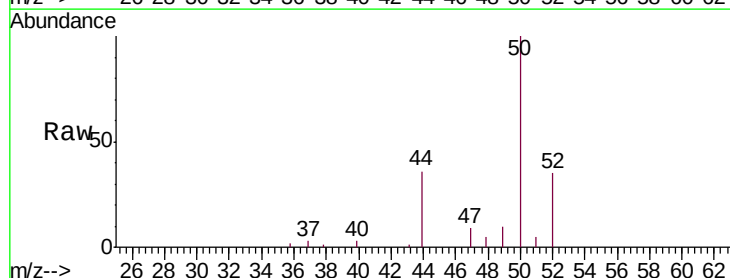
Acq: 12 Feb 2020 10:43

Tgt Ion: 50 Resp: 10571

Ion Ratio Lower Upper

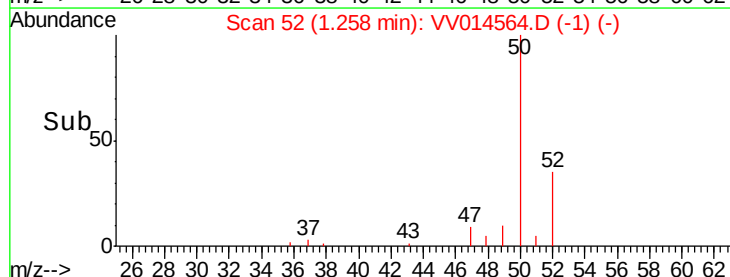
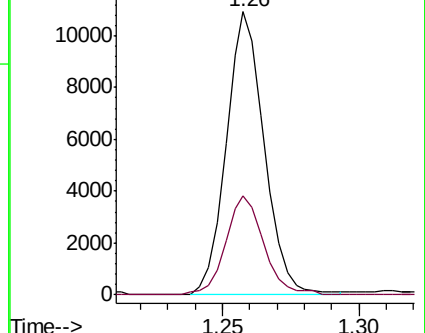
50 100

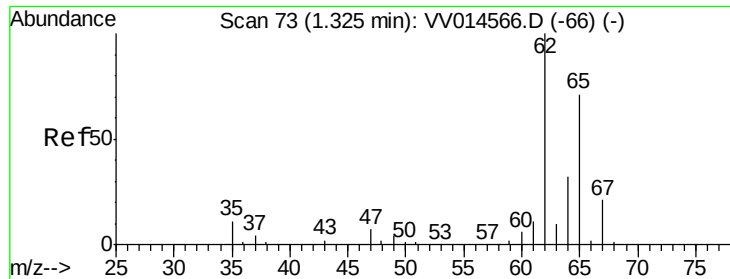
52 35.2 24.3 45.1



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

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





#5

Vinyl chloride

Concen: 3.386 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

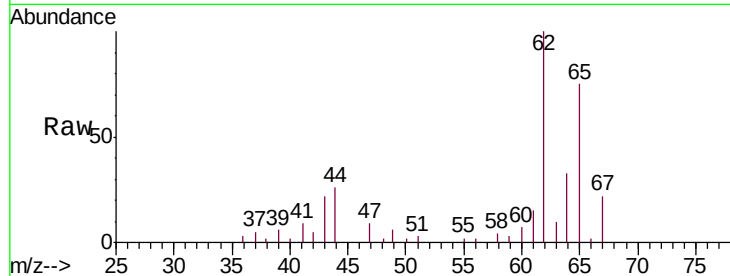
VSTD00566

Tgt Ion: 62 Resp: 6773

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

8000

6000

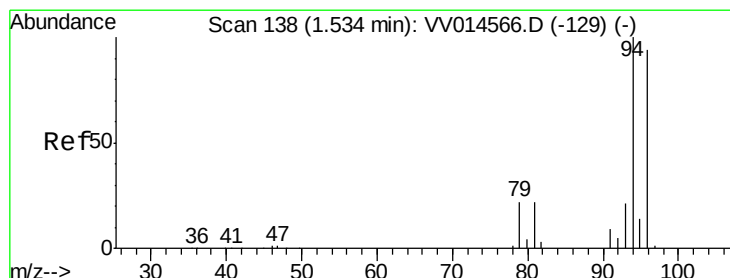
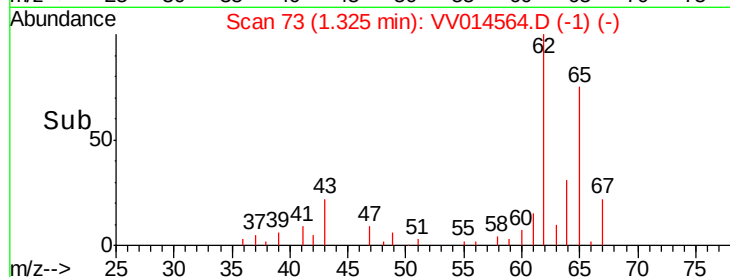
4000

2000

0

1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 4.056 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014564.D

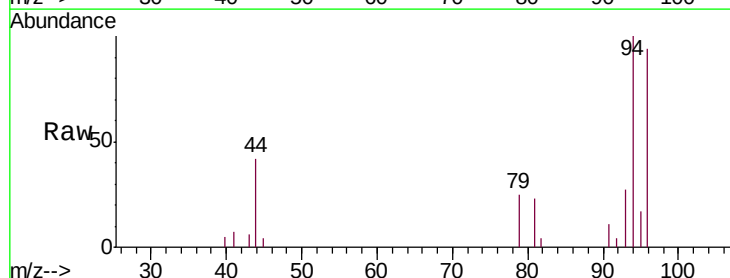
Acq: 12 Feb 2020 10:43

Tgt Ion: 94 Resp: 2889

Ion Ratio Lower Upper

94 100

96 93.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

3000

2500

2000

1500

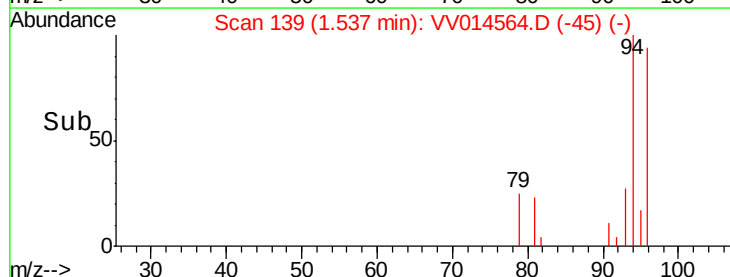
1000

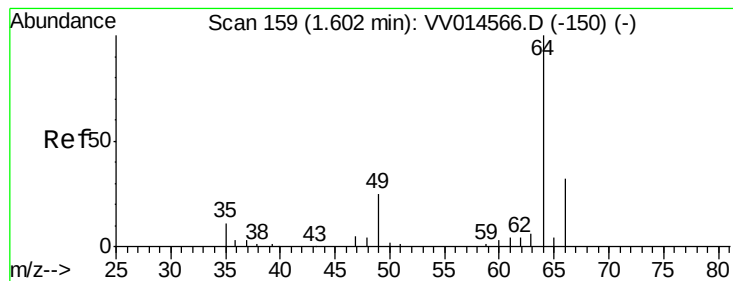
500

0

1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 4.042 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

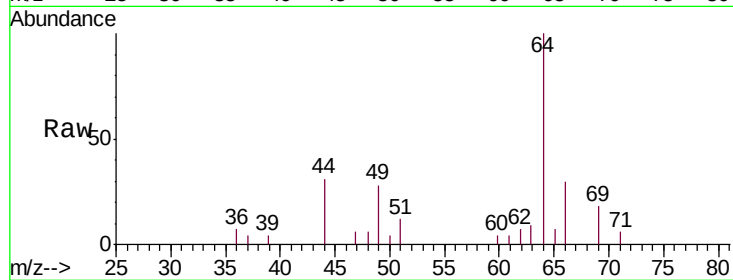
VSTD00566

Tgt Ion: 64 Resp: 3601

Ion Ratio Lower Upper

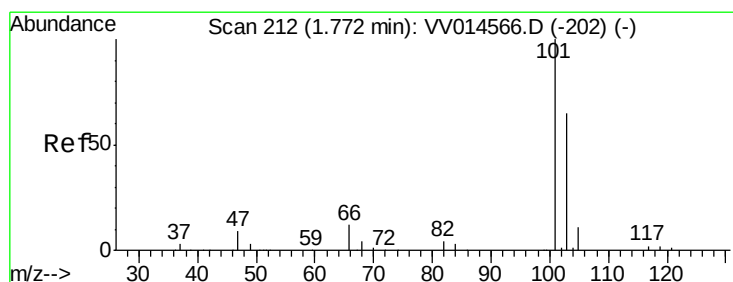
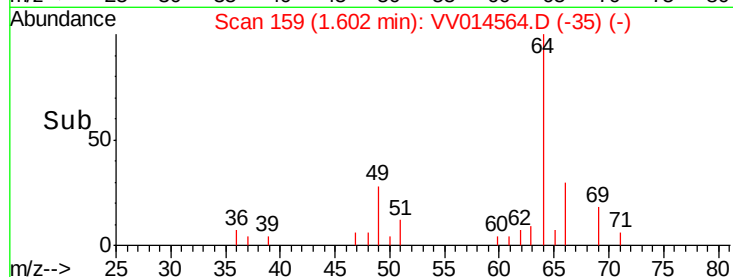
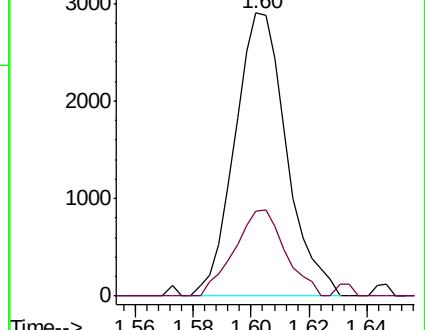
64 100

66 30.2 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: 4.632 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014564.D

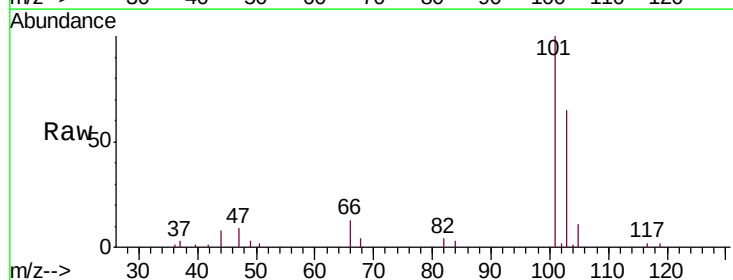
Acq: 12 Feb 2020 10:43

Tgt Ion: 101 Resp: 11333

Ion Ratio Lower Upper

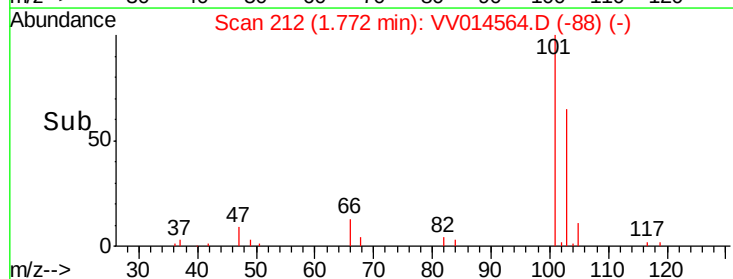
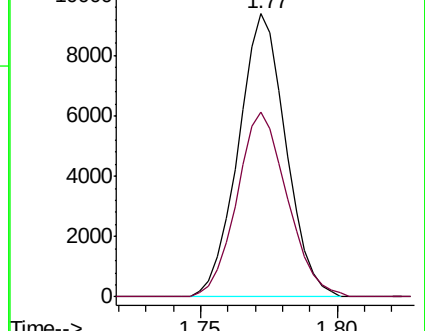
101 100

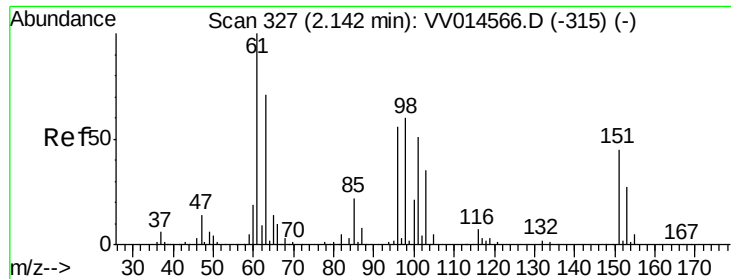
103 69.0 52.2 78.2



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: 4.338 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

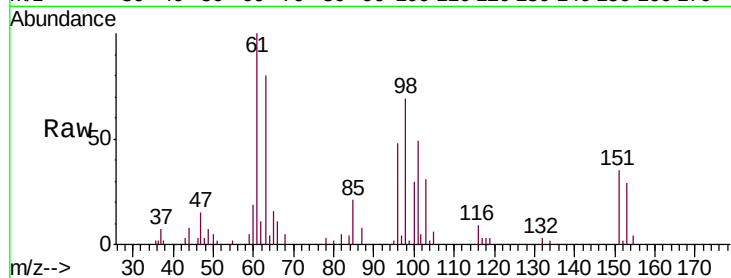
Tgt Ion: 101 Resp: 4886

Ion Ratio Lower Upper

101 100

85 50.7 35.4 53.0

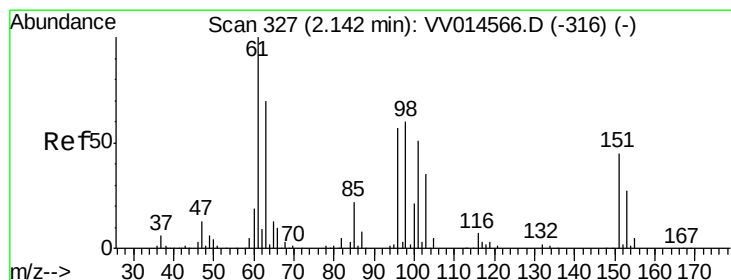
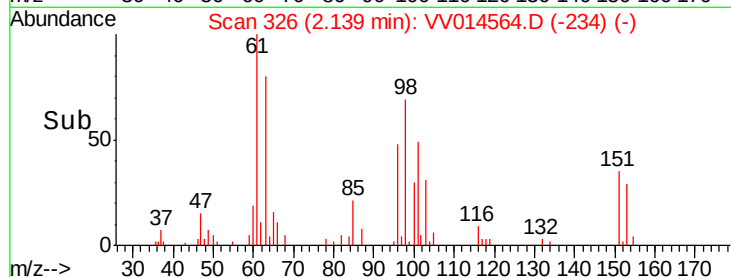
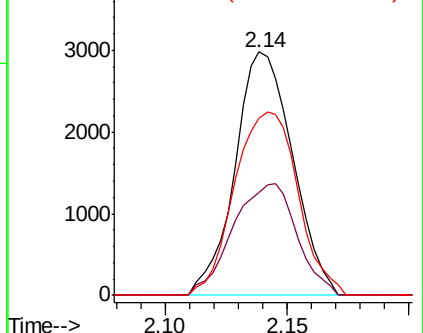
151 83.1 65.4 98.2



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: 4.034 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

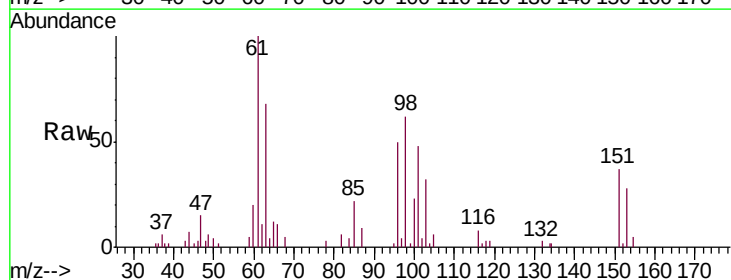
Tgt Ion: 96 Resp: 4531

Ion Ratio Lower Upper

96 100

61 198.1 124.2 230.6

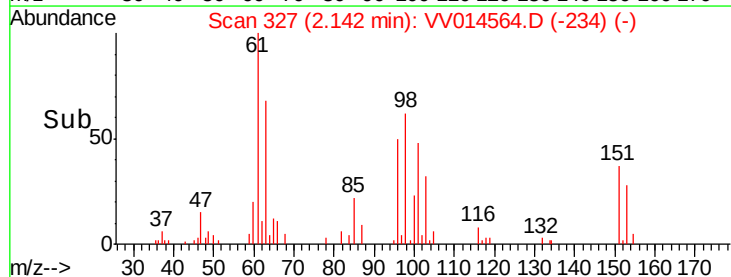
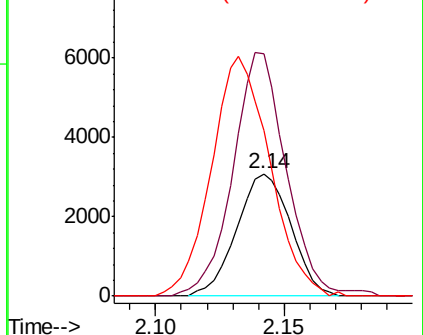
63 135.2 89.2 165.8

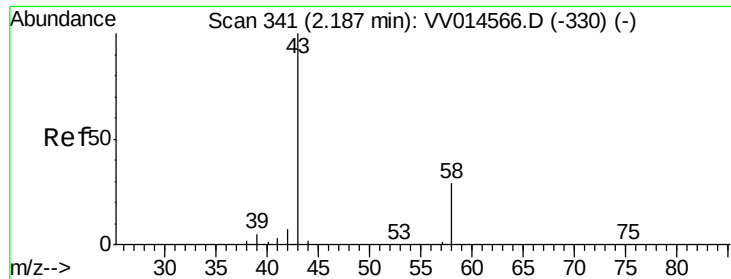


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.084 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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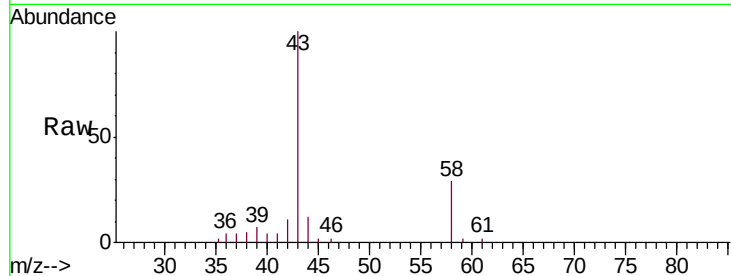
VSTD00566

Tgt Ion: 43 Resp: 6881

Ion Ratio Lower Upper

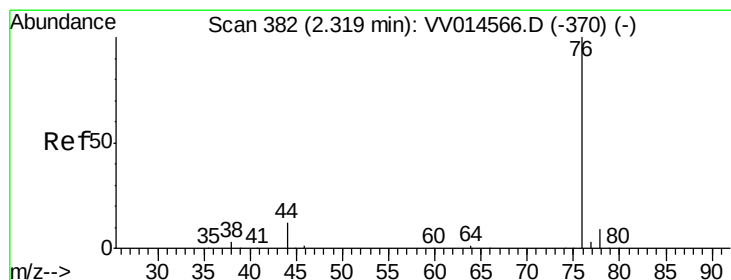
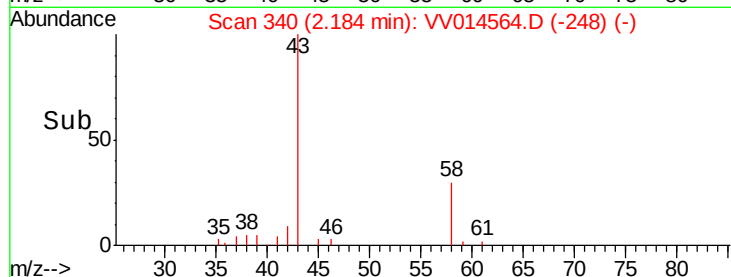
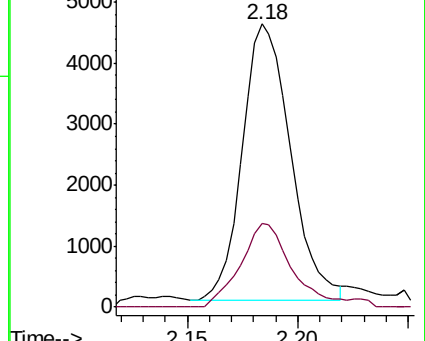
43 100

58 31.9 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014566.D (-330) (-)



#14

Carbon disulfide

Concen: 4.133 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014564.D

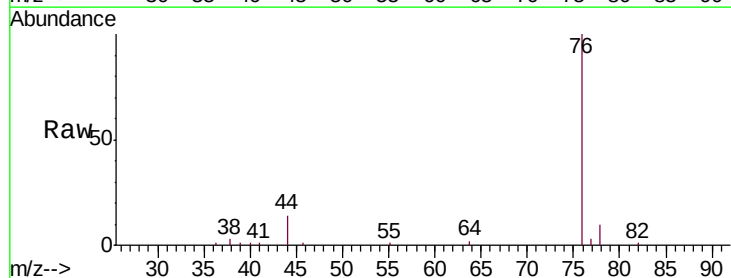
Acq: 12 Feb 2020 10:43

Tgt Ion: 76 Resp: 22715

Ion Ratio Lower Upper

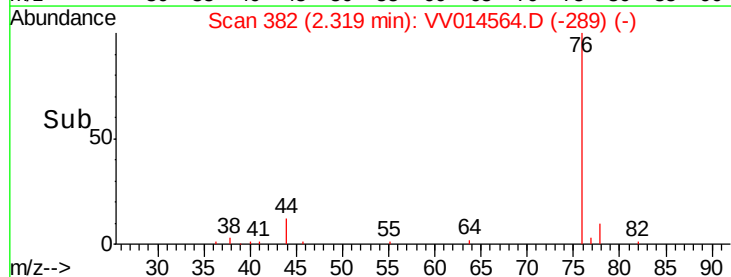
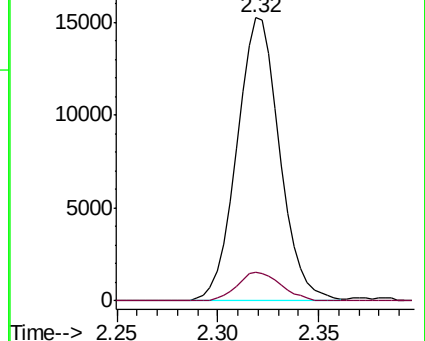
76 100

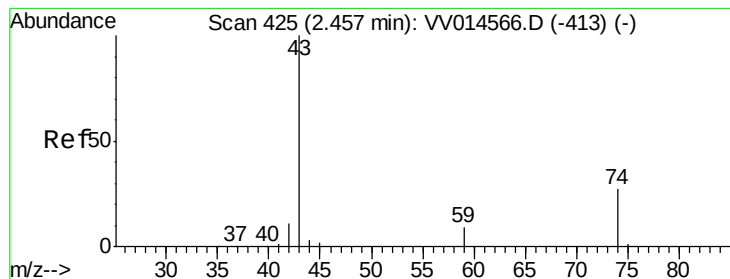
78 10.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014566.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014566.D (-370) (-)





#15

Methyl Acetate

Concen: 4.106 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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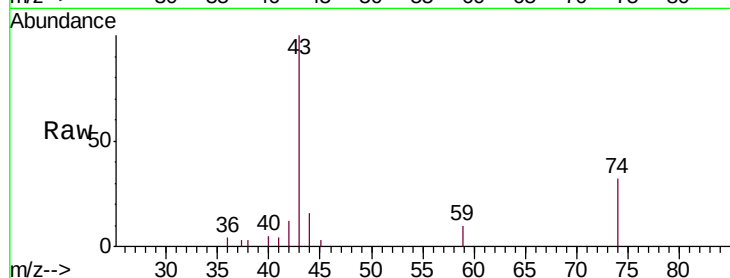
VSTD00566

Tgt Ion: 43 Resp: 7521

Ion Ratio Lower Upper

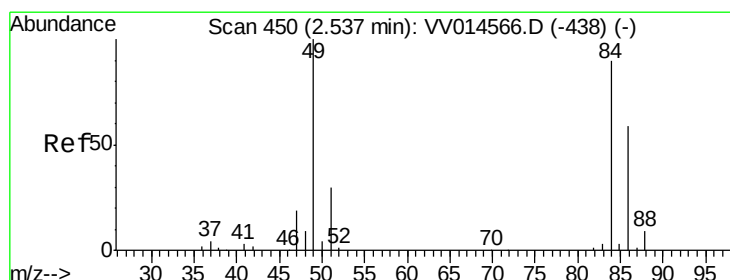
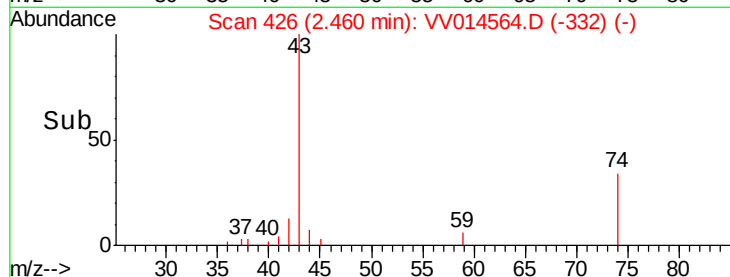
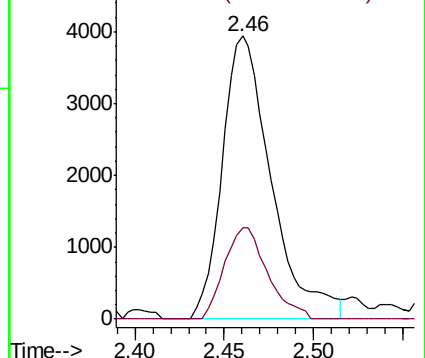
43 100

74 28.3 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV014566.D (-413) (-)



#16

Methylene chloride

Concen: 4.477 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

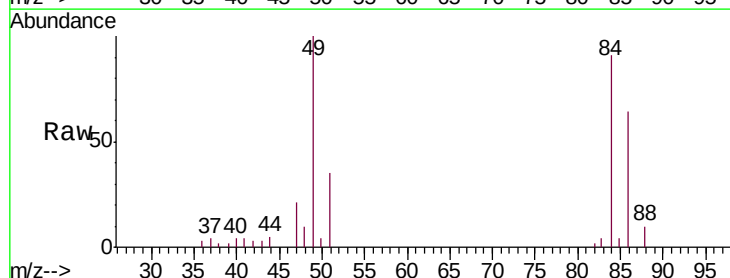
Tgt Ion: 84 Resp: 9806

Ion Ratio Lower Upper

84 100

86 69.9 46.3 86.1

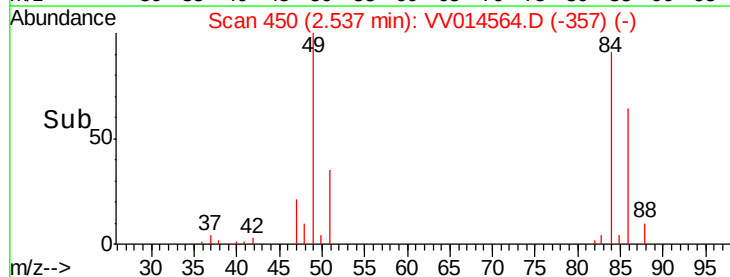
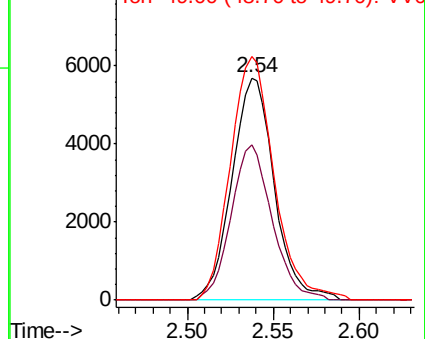
49 109.5 78.1 145.1

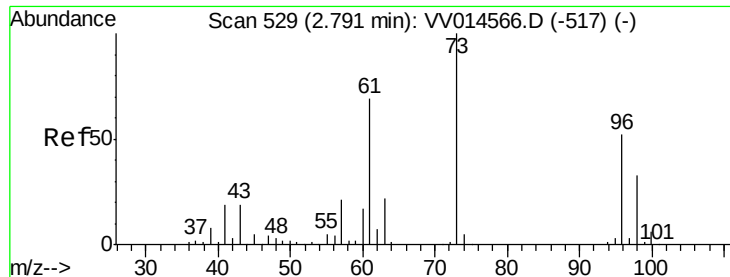


Abundance Ion 84.00 (83.70 to 84.70): VV014566.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV014566.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-438) (-)





#17

trans-1,2-Dichloroethene

Concen: 4.716 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

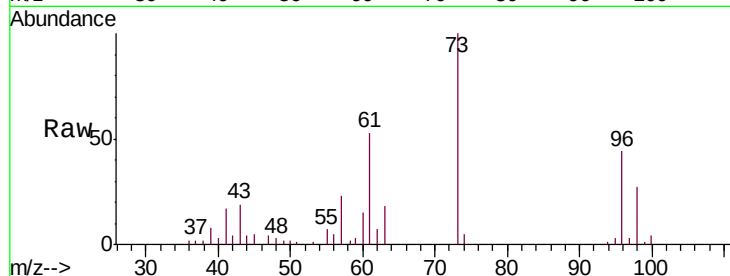
Tgt Ion: 96 Resp: 9369

Ion Ratio Lower Upper

96 100

61 121.6 93.0 172.6

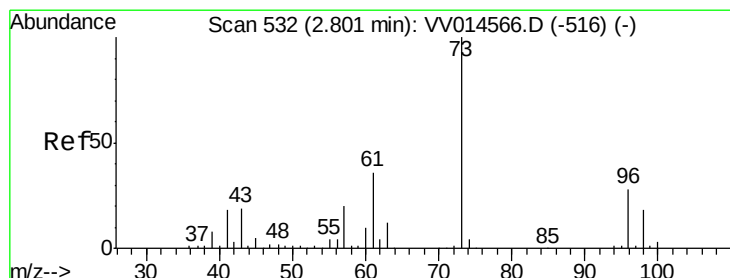
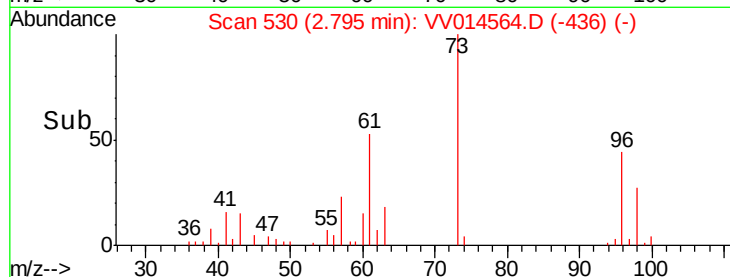
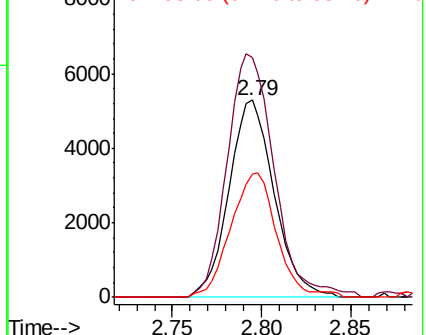
98 62.4 44.2 82.0



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: 4.632 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

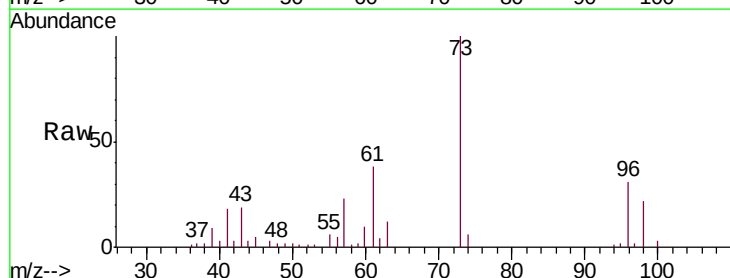
Tgt Ion: 73 Resp: 28469

Ion Ratio Lower Upper

73 100

43 19.3 15.1 22.7

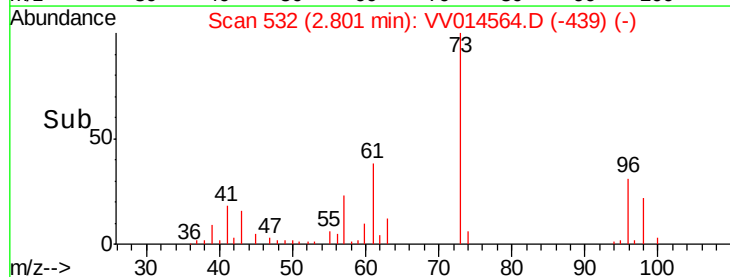
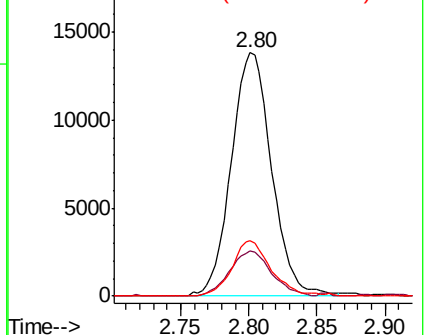
57 21.9 16.2 24.4

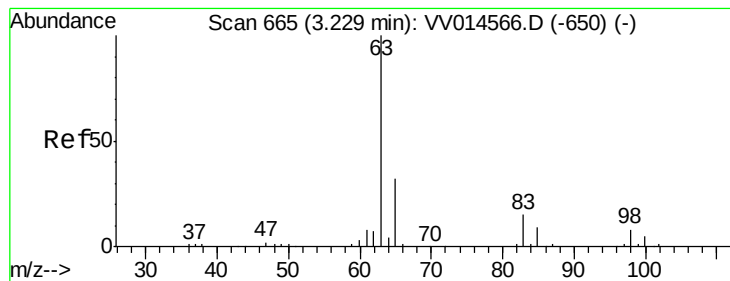


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 4.423 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

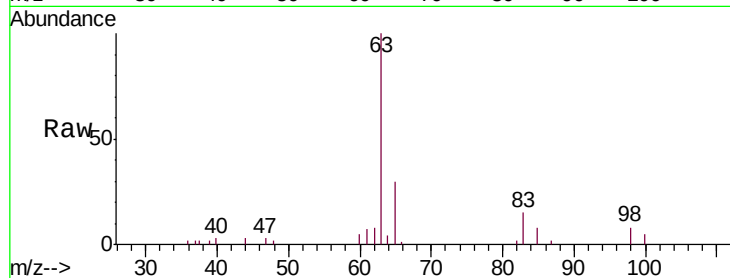
Tgt Ion: 63 Resp: 15880

Ion Ratio Lower Upper

63 100

65 30.1 22.2 41.2

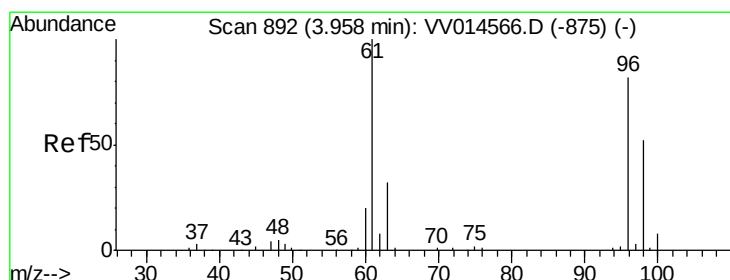
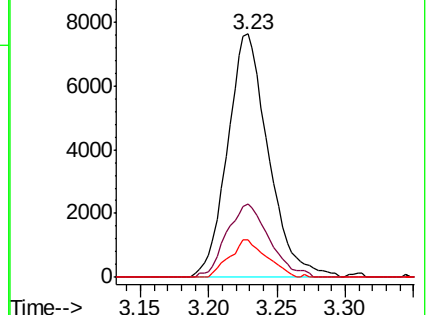
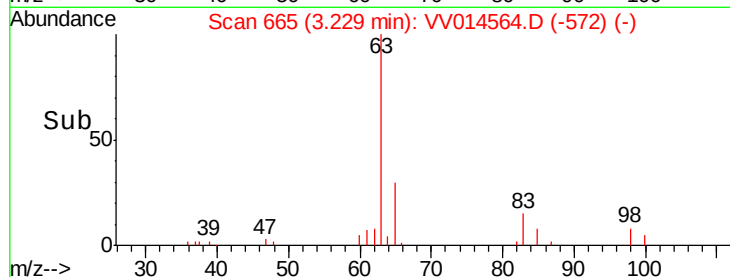
83 15.2 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 4.652 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

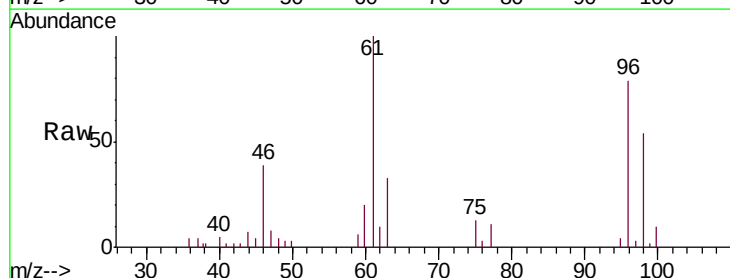
Tgt Ion: 96 Resp: 10386

Ion Ratio Lower Upper

96 100

61 127.1 85.9 159.5

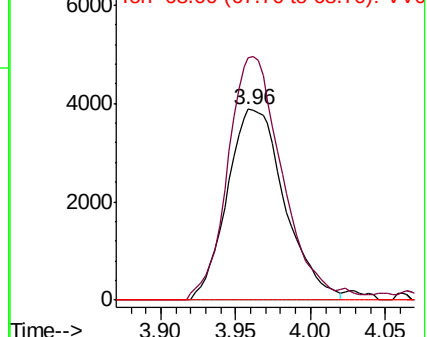
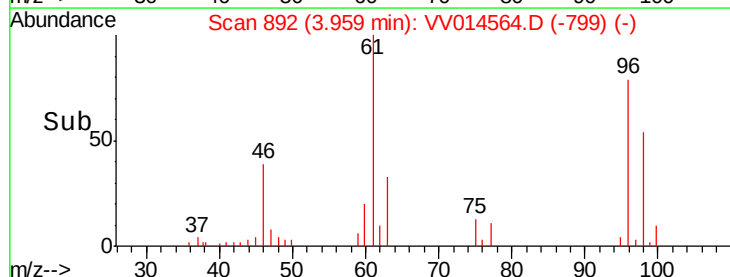
68 0.0 0.0 0.0

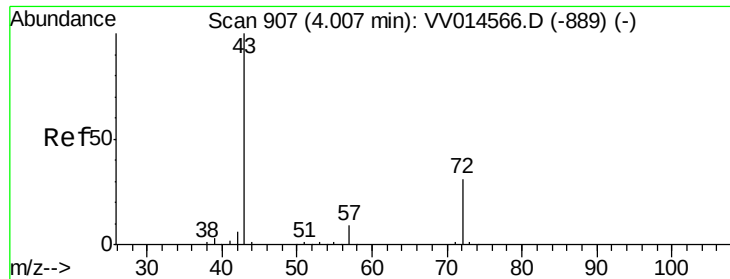


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 7.494 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

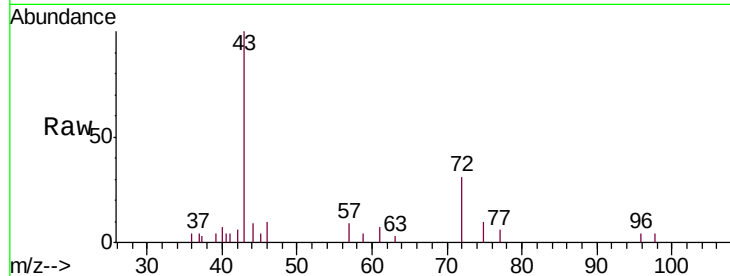
VSTD00566

Tgt Ion: 43 Resp: 10318

Ion Ratio Lower Upper

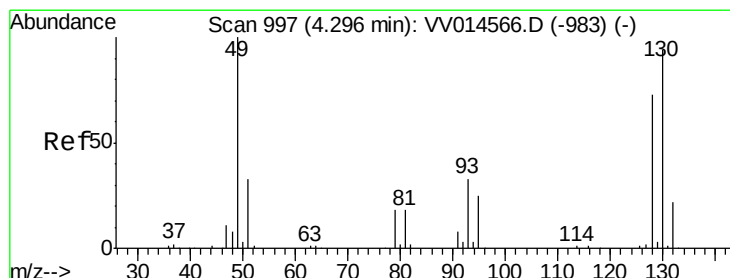
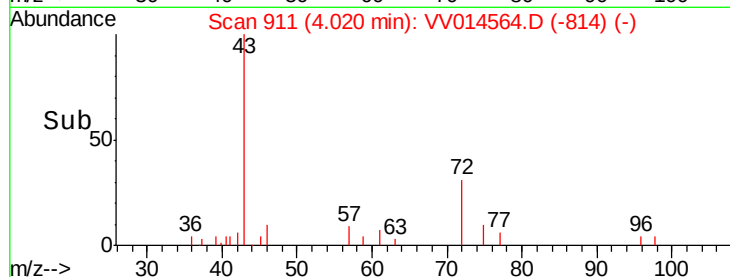
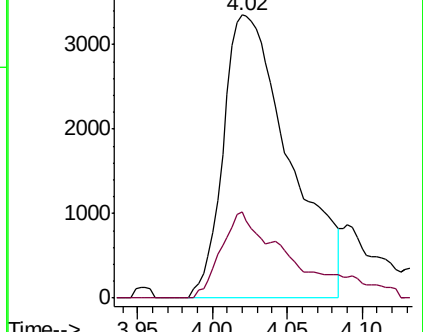
43 100

72 17.5 15.9 47.7



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014566.D (-889) (-)



#23

Bromochloromethane

Concen: 4.616 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Tgt Ion: 128 Resp: 4846

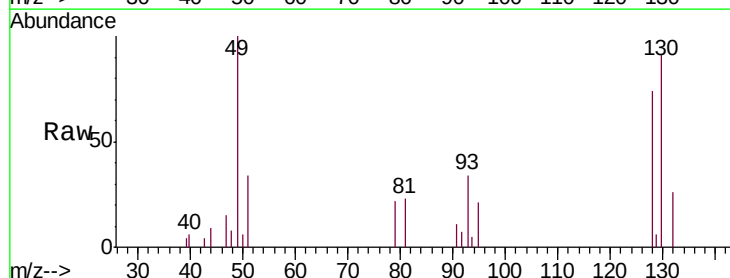
Ion Ratio Lower Upper

128 100

49 124.7 97.1 180.3

130 113.4 90.7 168.5

51 42.7 36.4 54.6

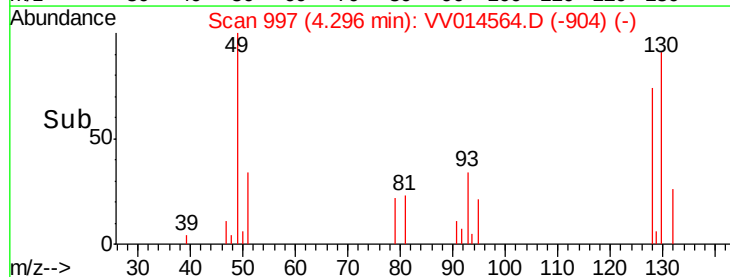
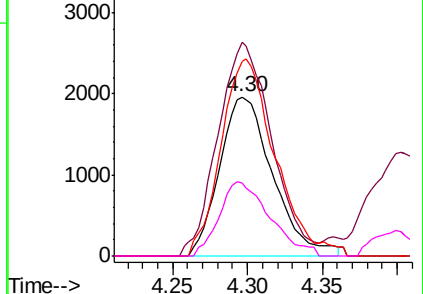


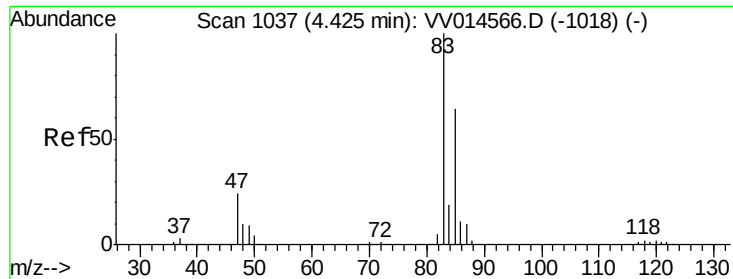
Abundance Ion 128.00 (127.70 to 128.70): VV014566.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV014566.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV014566.D (-983) (-)

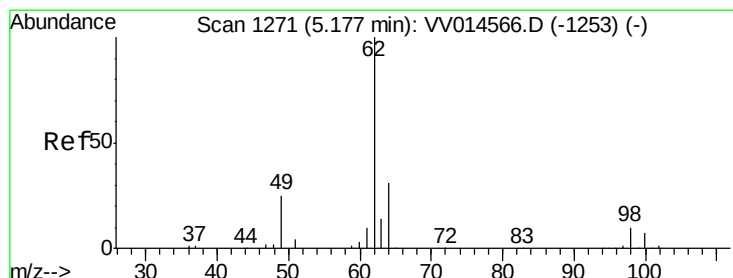
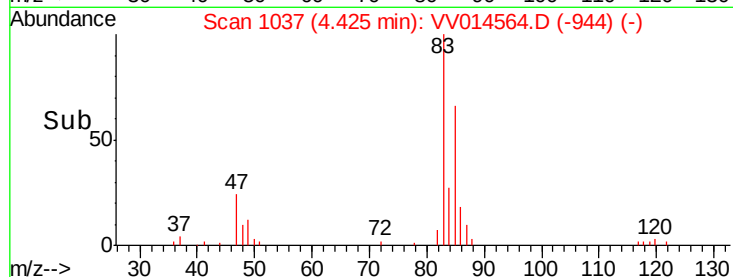
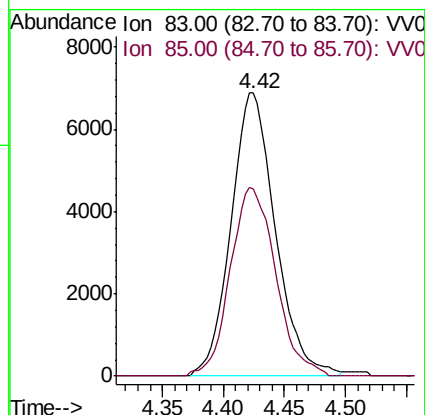
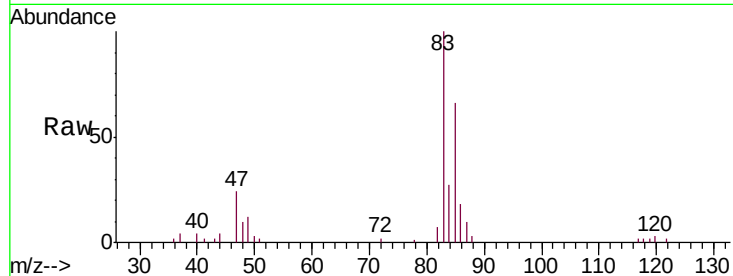




#25
Chloroform
Concen: 4.706 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

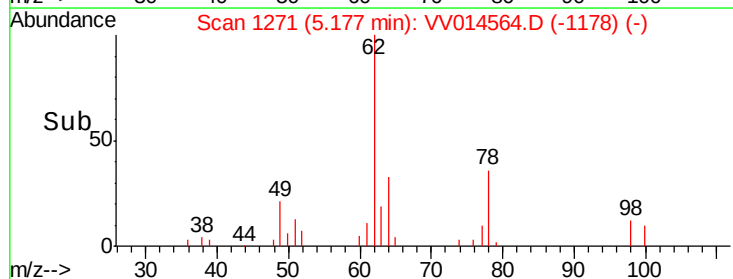
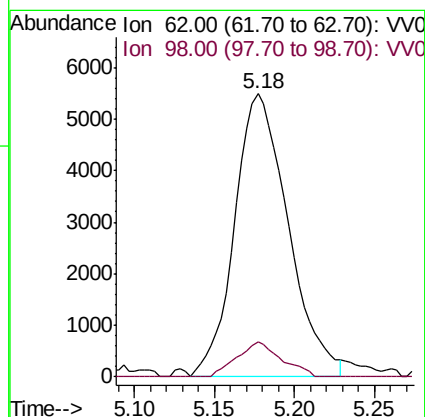
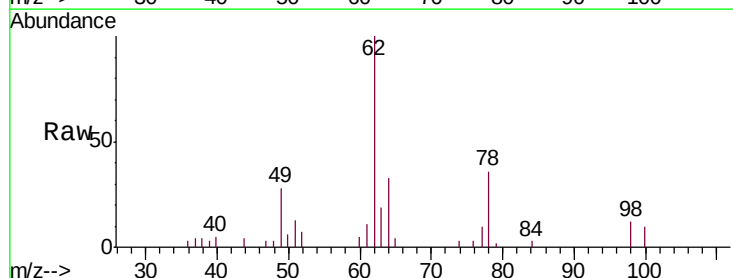
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

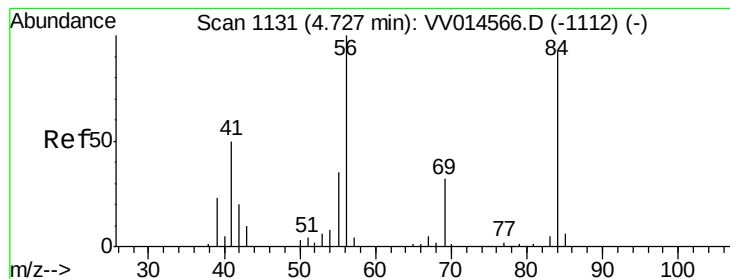
Tgt Ion: 83 Resp: 17410
Ion Ratio Lower Upper
83 100
85 66.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 4.787 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Tgt Ion: 62 Resp: 12622
Ion Ratio Lower Upper
62 100
98 12.3 7.9 11.9#





#29

Cyclohexane

Concen: 4.146 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

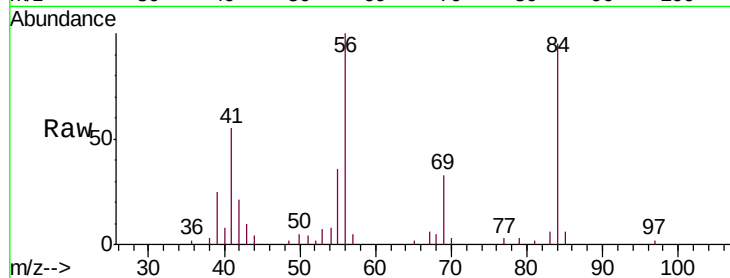
Tgt Ion: 56 Resp: 13851

Ion Ratio Lower Upper

56 100

69 32.3 26.5 39.7

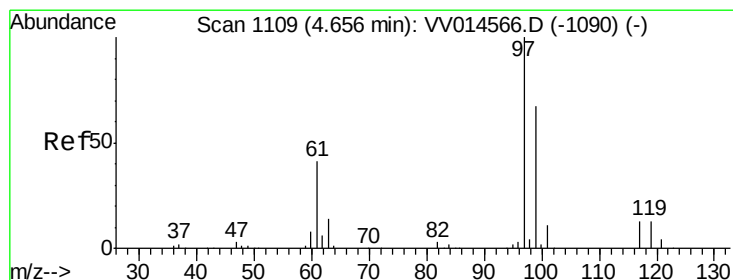
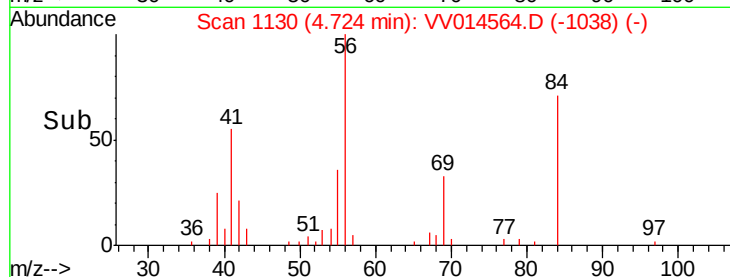
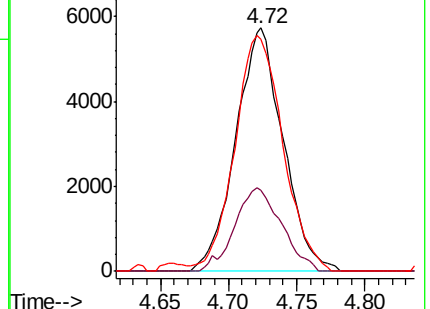
84 98.4 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV014566.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV014566.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV014566.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 4.689 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

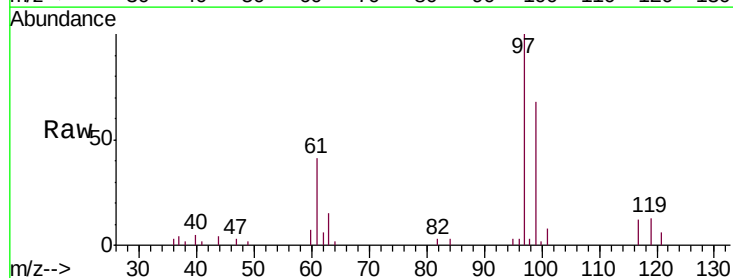
Tgt Ion: 97 Resp: 14308

Ion Ratio Lower Upper

97 100

99 65.3 51.2 76.8

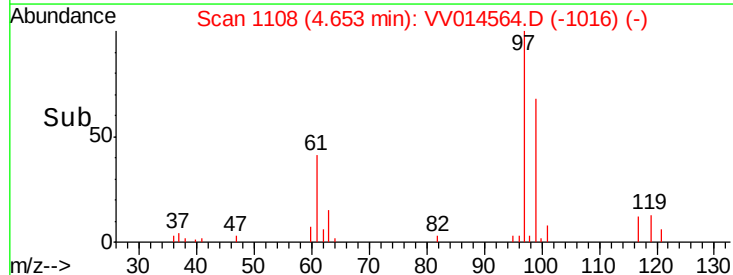
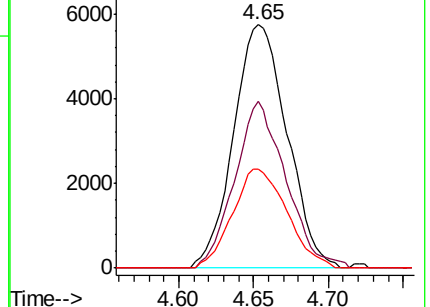
61 41.6 32.4 48.6

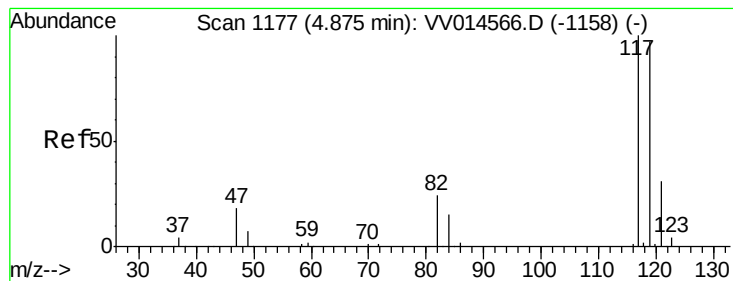


Abundance Ion 97.00 (96.70 to 97.70): VV014566.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014566.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014566.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 4.852 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

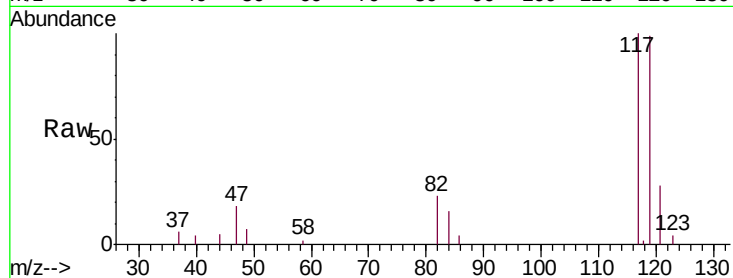
VSTD00566

Tgt Ion:117 Resp: 13008

Ion Ratio Lower Upper

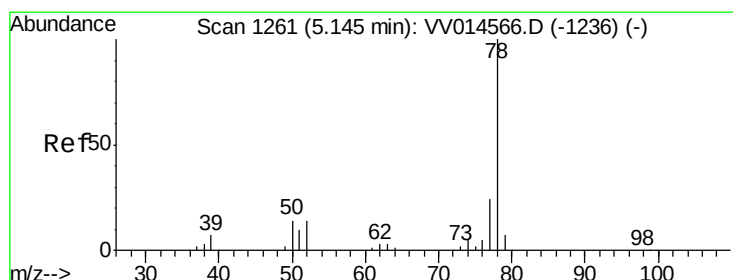
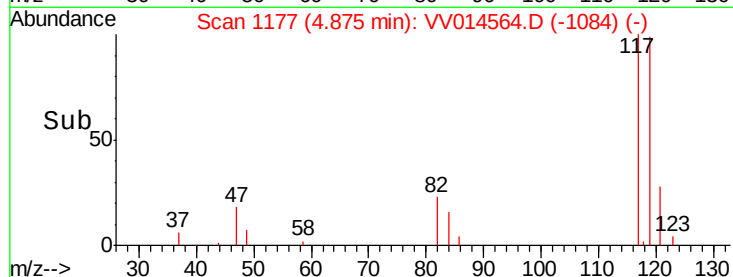
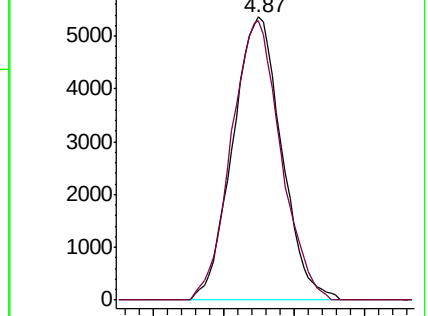
117 100

119 99.5 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.408 ug/L

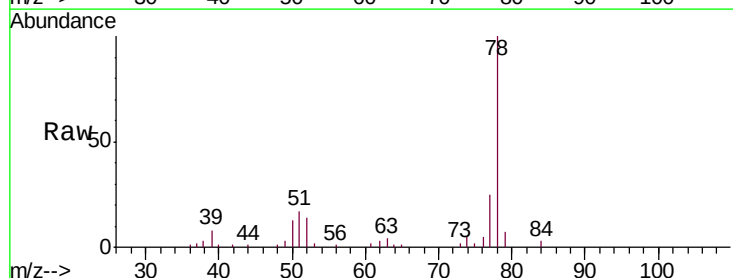
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

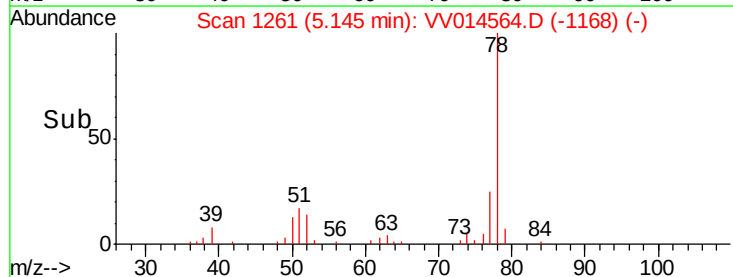
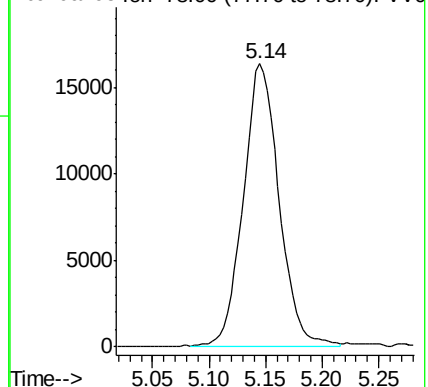
Lab File: VV014564.D

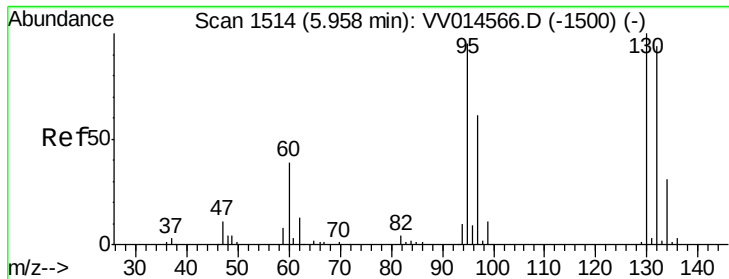
Acq: 12 Feb 2020 10:43

Tgt Ion: 78 Resp: 36208



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 4.621 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tgt Ion: 95 Resp: 9697

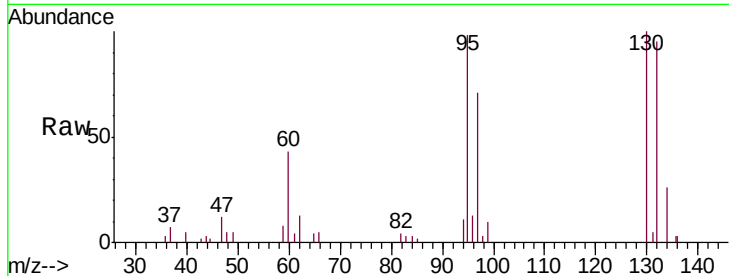
Ion Ratio Lower Upper

95 100

97 72.5 45.3 84.1

132 96.9 69.6 129.2

130 101.7 74.0 137.4

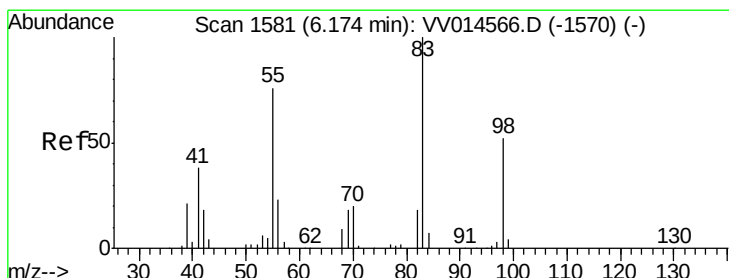
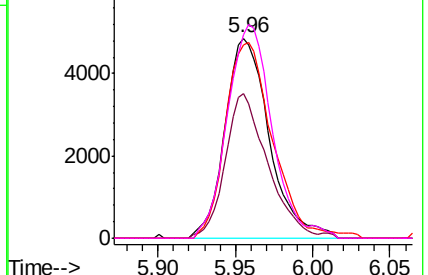
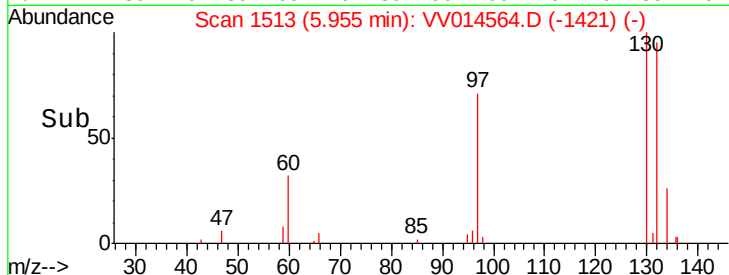


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 4.567 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

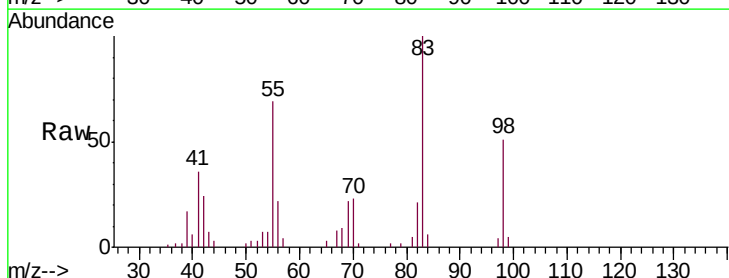
Tgt Ion: 83 Resp: 15711

Ion Ratio Lower Upper

83 100

55 73.8 57.8 86.6

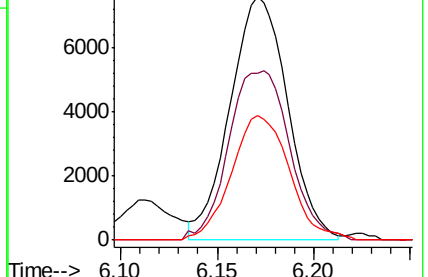
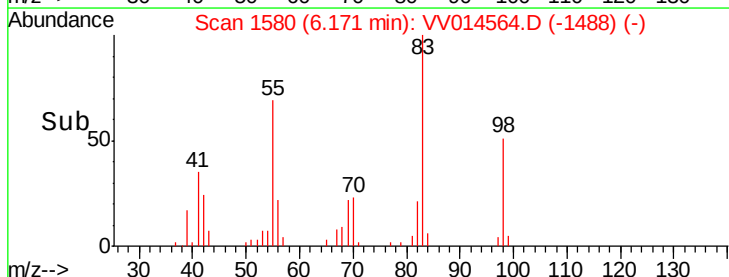
98 51.4 39.7 59.5

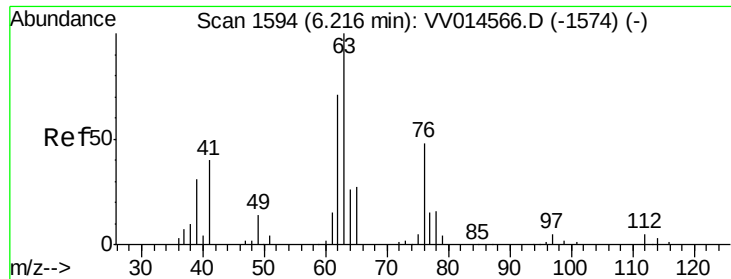


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

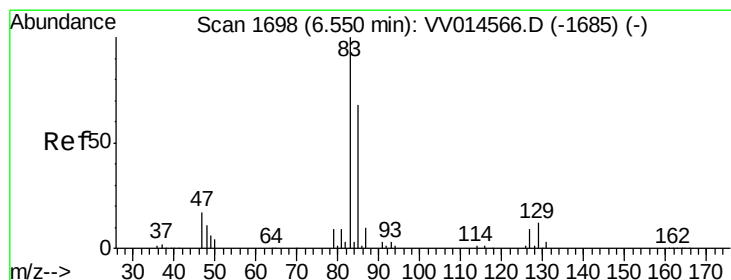
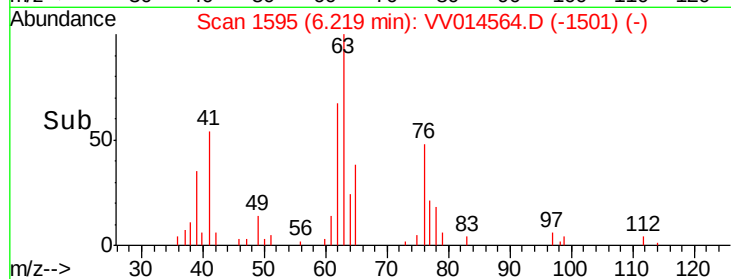
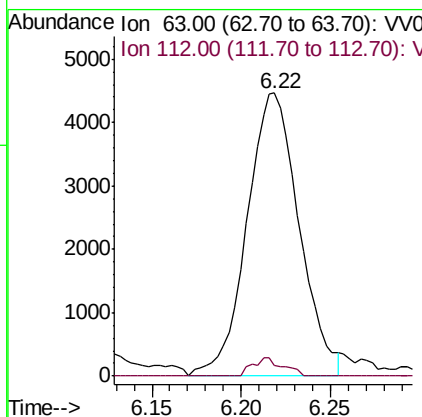
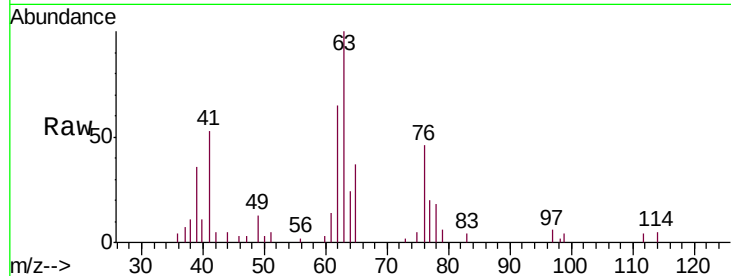




#37
 1,2-Dichloropropane
 Concen: 4.450 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

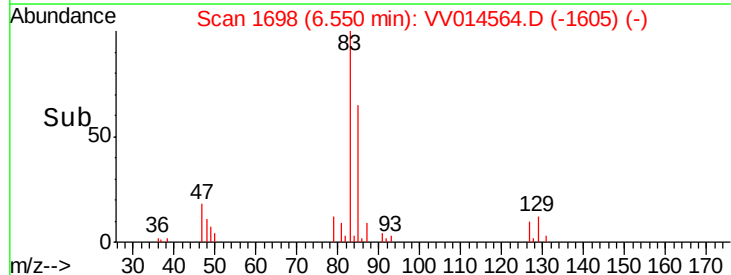
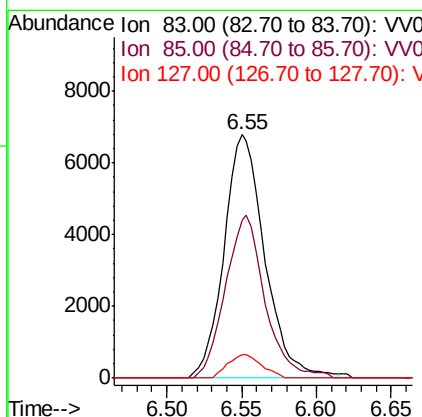
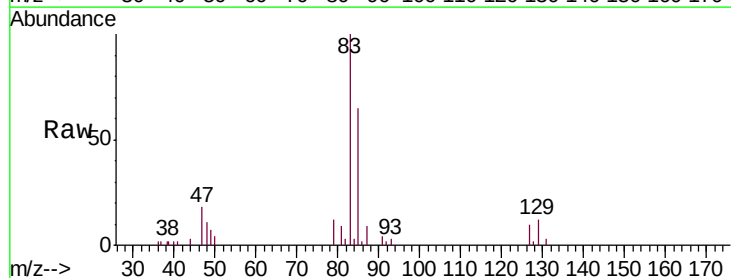
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

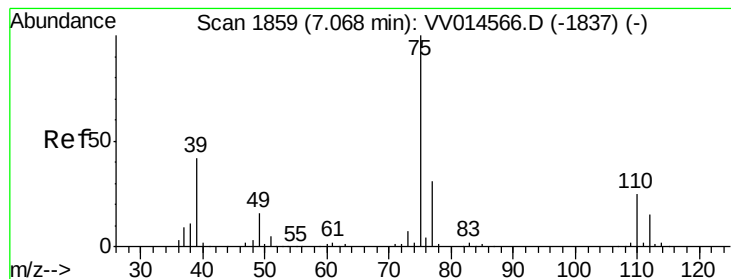
Tgt Ion: 63 Resp: 9120
 Ion Ratio Lower Upper
 63 100
 112 2.7 4.1 6.1#



#38
 Bromodichloromethane
 Concen: 4.643 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

Tgt Ion: 83 Resp: 12881
 Ion Ratio Lower Upper
 83 100
 85 65.1 47.3 87.8
 127 9.7 7.5 11.3



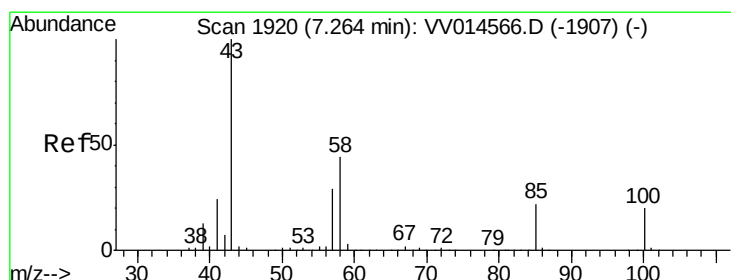
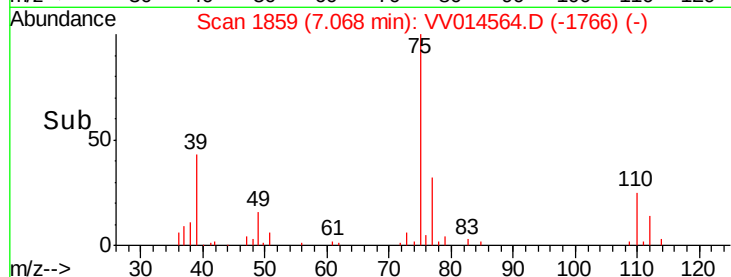
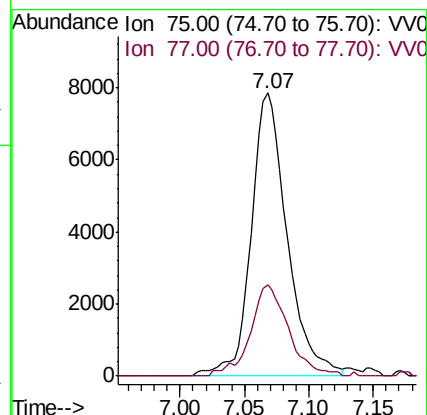
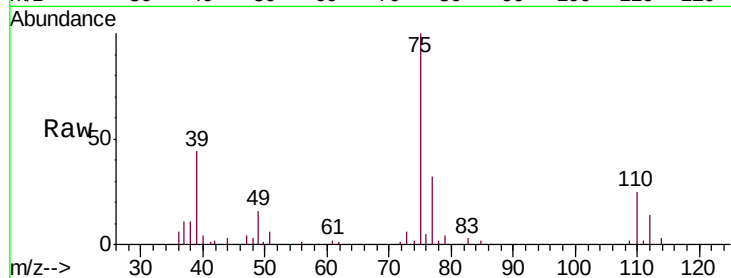


#39

cis-1,3-Dichloropropene
Concen: 4.512 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

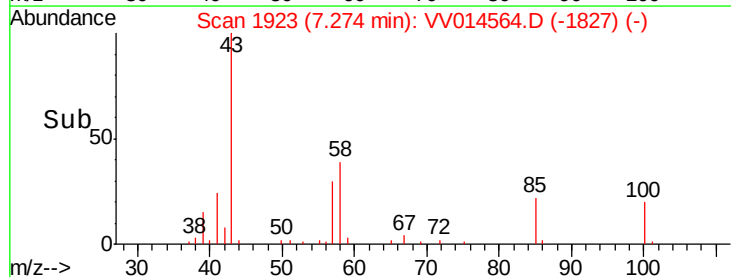
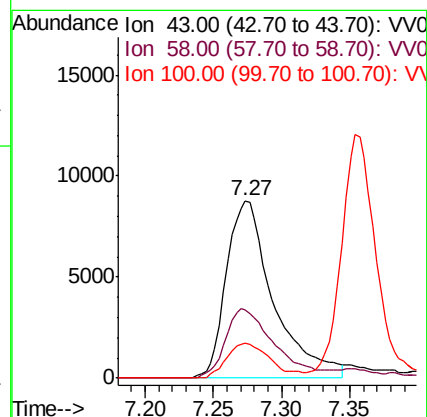
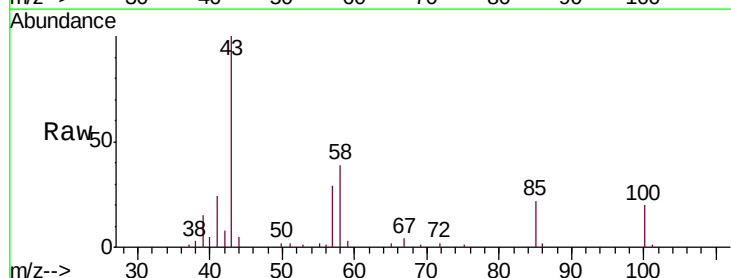
Tgt Ion: 75 Resp: 15316
Ion Ratio Lower Upper
75 100
77 32.3 21.7 40.3

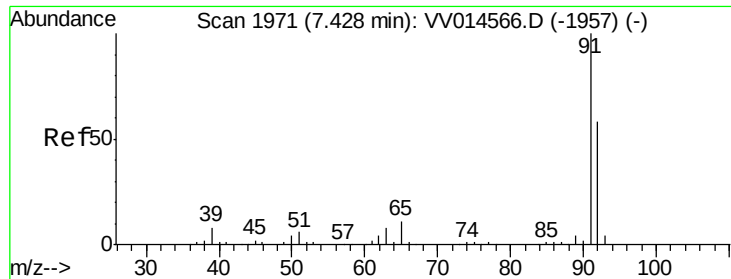


#40

4-Methyl-2-pentanone
Concen: 8.515 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Tgt Ion: 43 Resp: 21047
Ion Ratio Lower Upper
43 100
58 40.2 35.0 52.6
100 17.4 15.7 23.5





#42

Toluene

Concen: 4.541 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

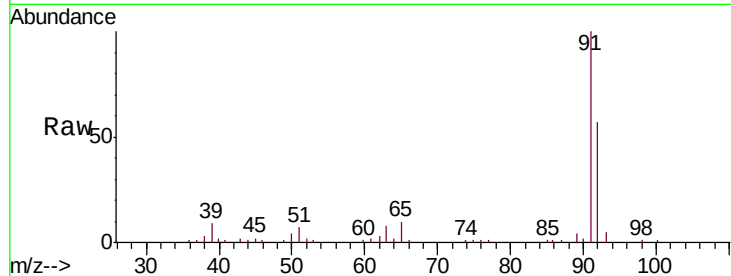
VSTD00566

Tgt Ion: 91 Resp: 39272

Ion Ratio Lower Upper

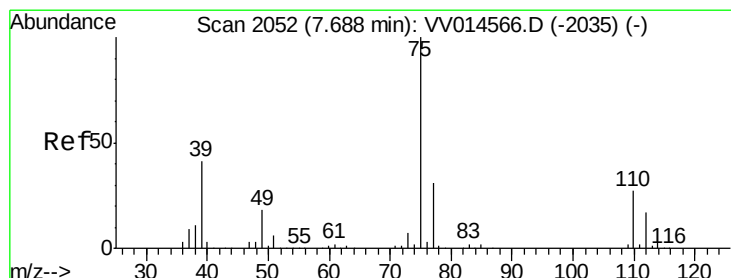
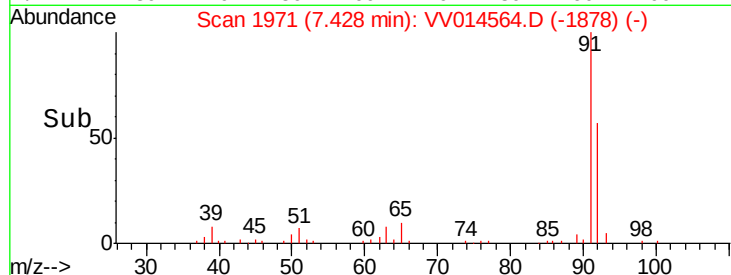
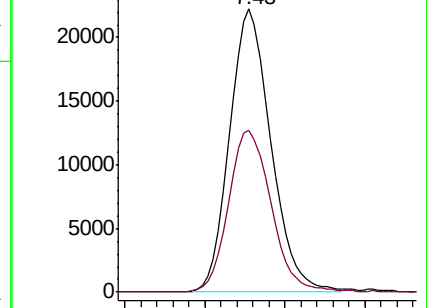
91 100

92 57.3 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: 4.378 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014564.D

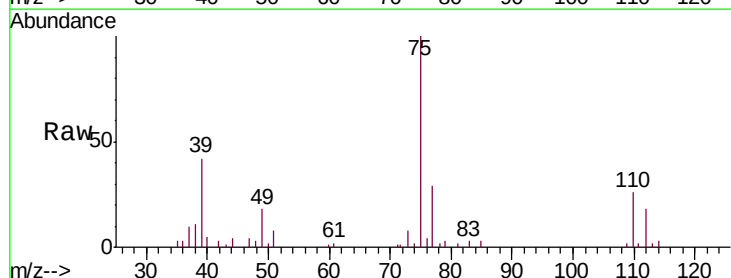
Acq: 12 Feb 2020 10:43

Tgt Ion: 75 Resp: 13302

Ion Ratio Lower Upper

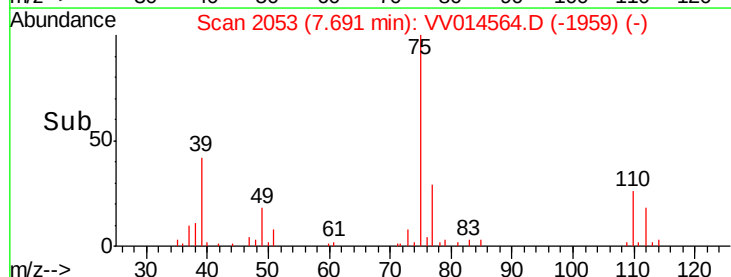
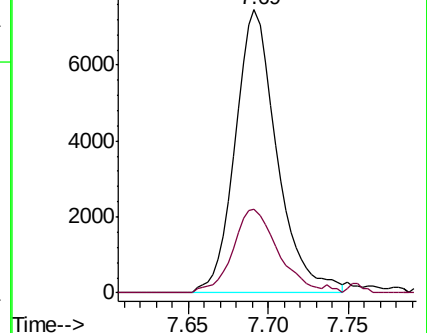
75 100

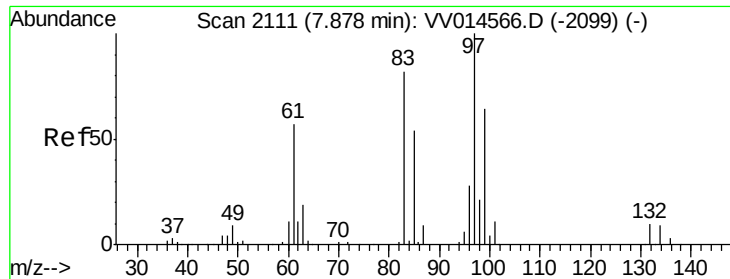
77 29.5 21.7 40.3



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

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

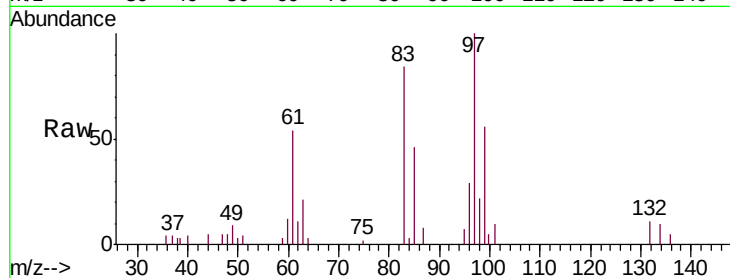




#45
 1,1,2-Trichloroethane
 Concen: 4.632 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

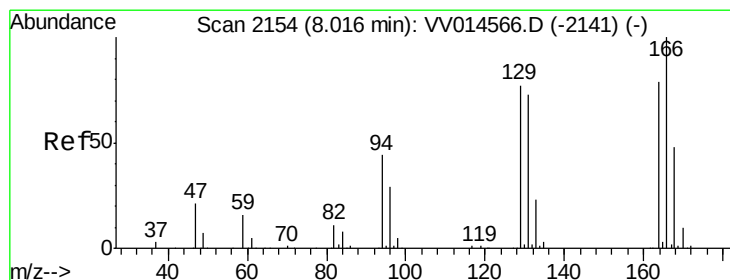
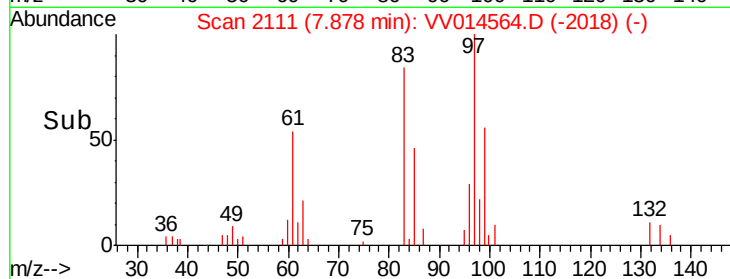
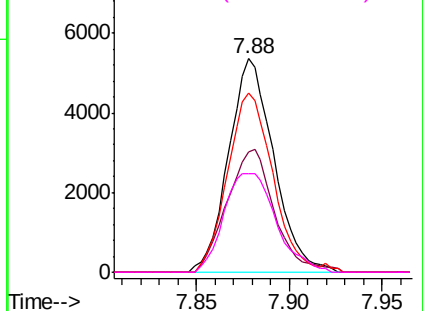
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:	97	Resp:	9076
Ion	Ratio	Lower	Upper
97	100		
99	56.2	44.9	83.3
83	83.9	57.5	106.7
85	45.9	37.5	69.7



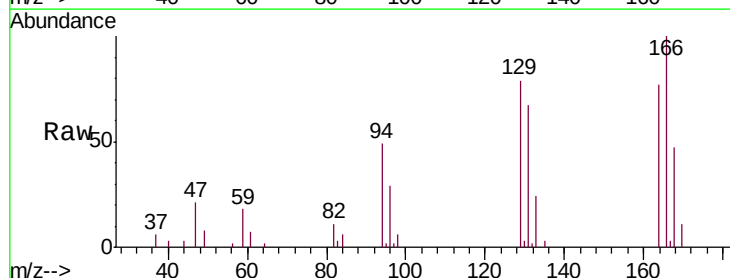
Abundance

Ion 97.00 (96.70 to 97.70): VV014564.D (-2099) (-)



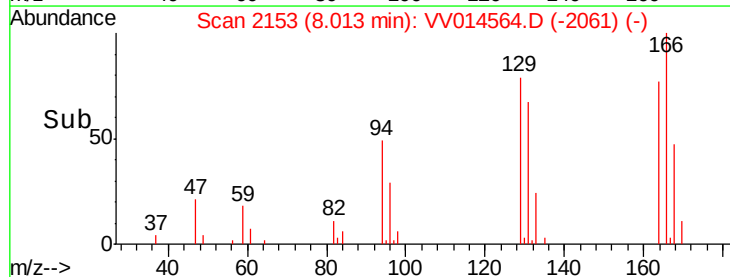
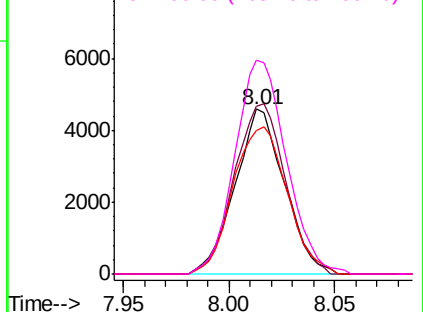
#46
 Tetrachloroethene
 Concen: 4.795 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

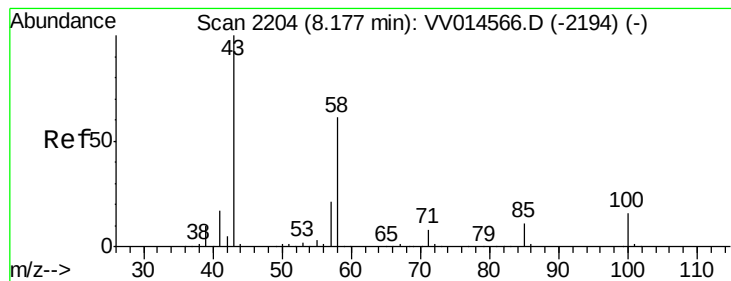
Tgt Ion:	164	Resp:	7485
Ion	Ratio	Lower	Upper
164	100		
129	101.9	67.8	126.0
131	87.2	64.5	119.9
166	134.1	88.6	164.6



Abundance

Ion 164.00 (163.70 to 164.70): VV014564.D (-2061) (-)





#48

2-Hexanone

Concen: 8.343 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tgt Ion: 43 Resp: 15946

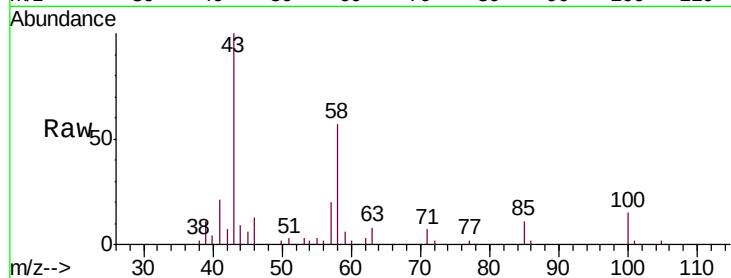
Ion Ratio Lower Upper

43 100

58 62.8 50.4 75.6

57 20.9 17.8 26.6

100 15.9 12.6 19.0

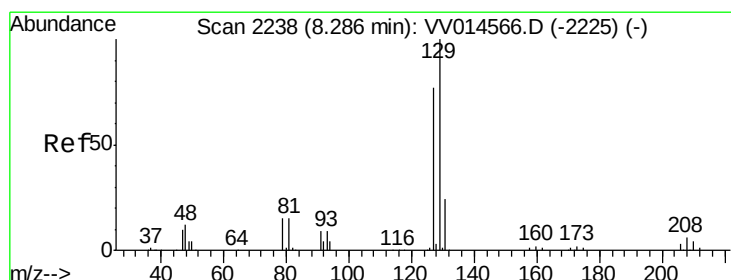
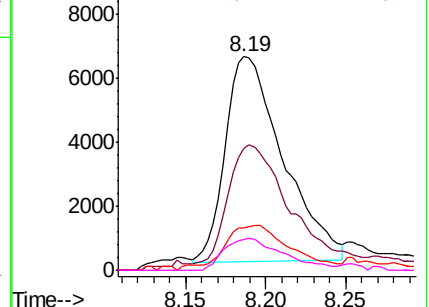
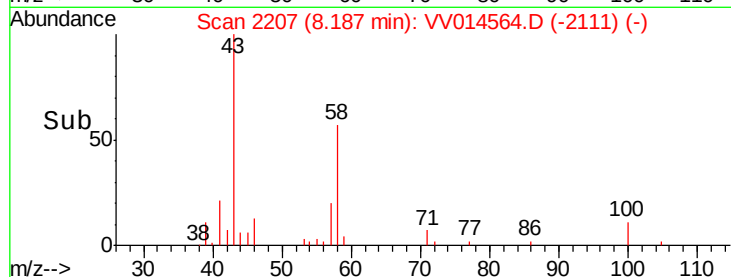


Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-2194) (-)

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: 4.892 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014564.D

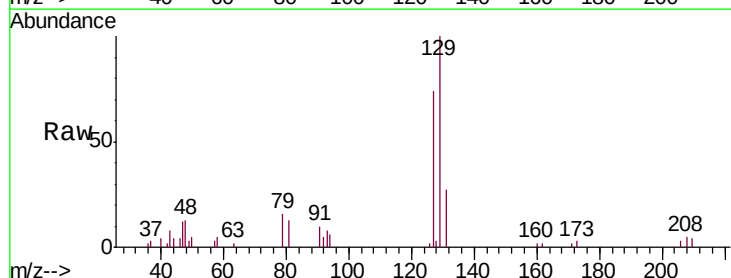
Acq: 12 Feb 2020 10:43

Tgt Ion: 129 Resp: 10720

Ion Ratio Lower Upper

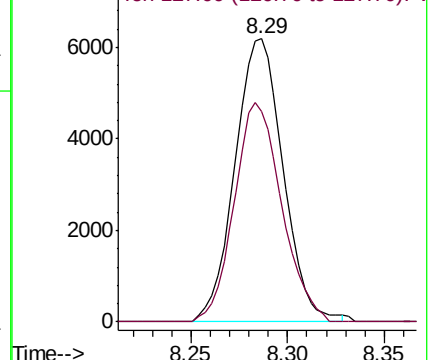
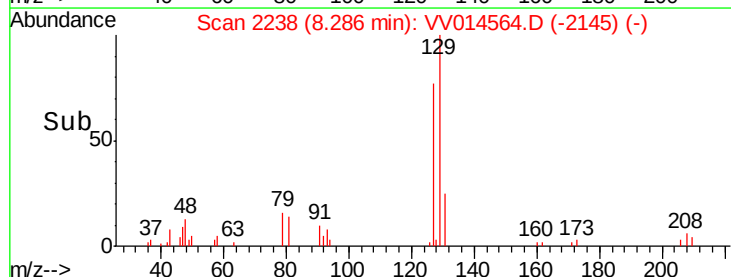
129 100

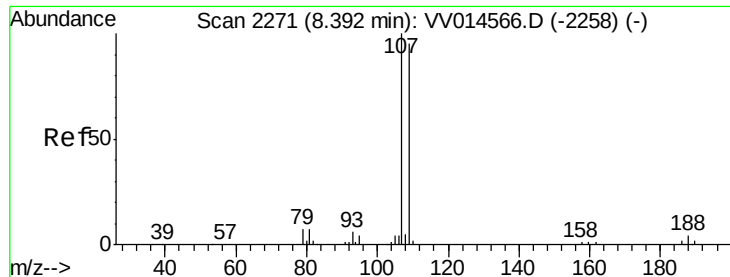
127 74.2 54.3 100.8



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

Ion 127.00 (126.70 to 127.70): VV014566.D (-2225) (-)

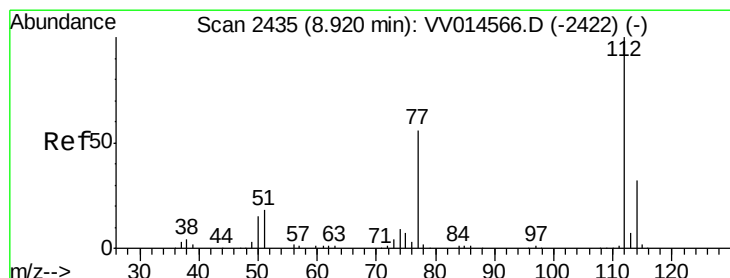
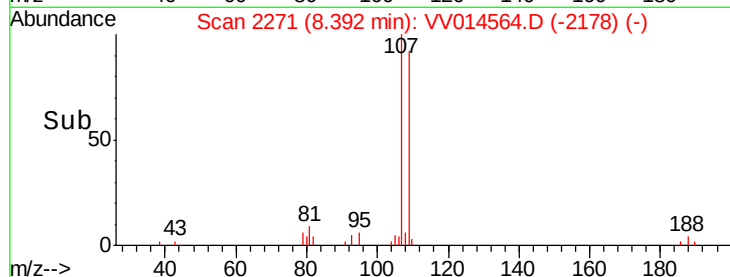
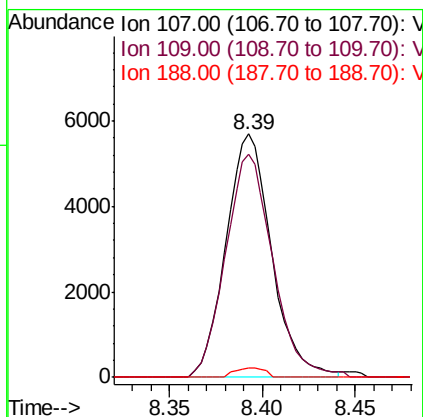
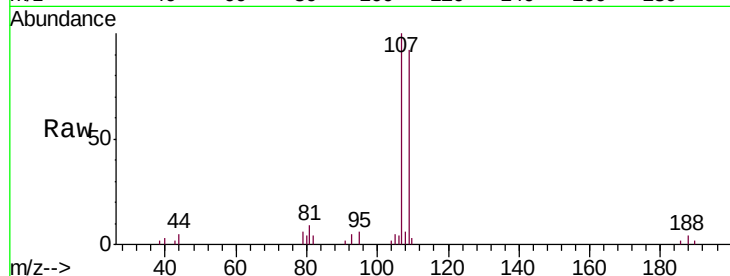




#50
1,2-Dibromoethane
Concen: 4.625 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

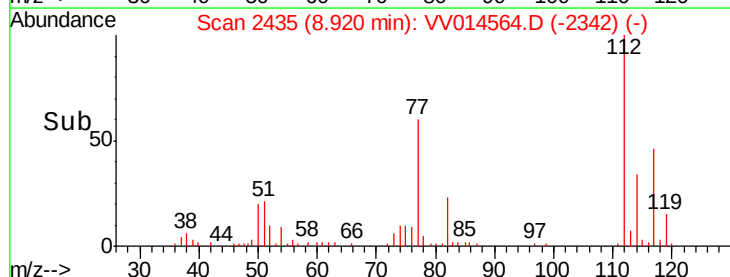
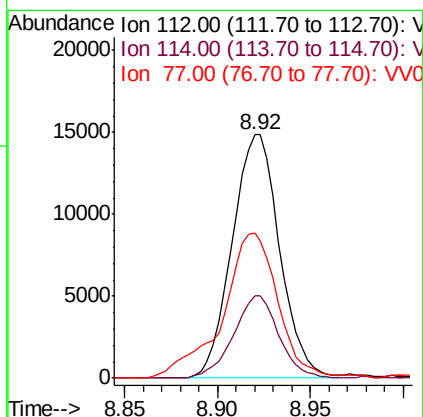
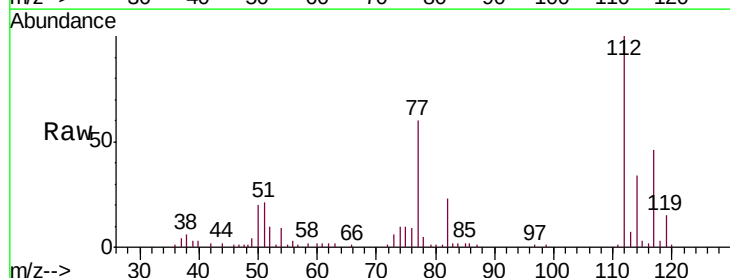
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

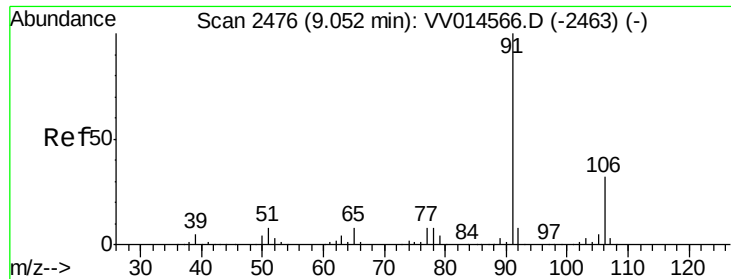
Tgt Ion:107 Resp: 9726
Ion Ratio Lower Upper
107 100
109 91.9 66.1 122.8
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 4.735 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Tgt Ion:112 Resp: 26456
Ion Ratio Lower Upper
112 100
114 33.9 22.3 41.3
77 59.7 45.3 67.9





#52

Ethylbenzene

Concen: 4.563 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

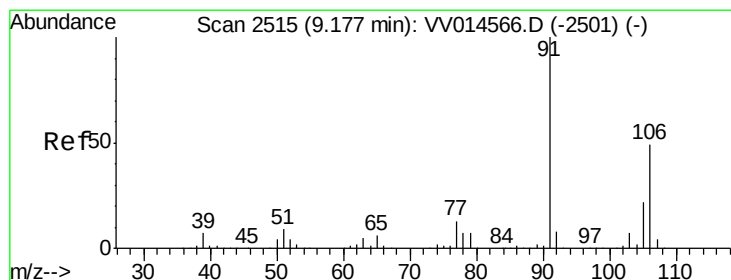
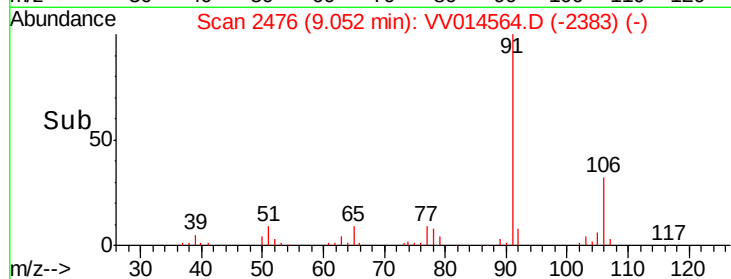
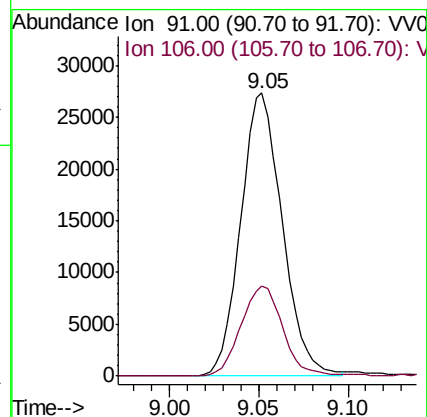
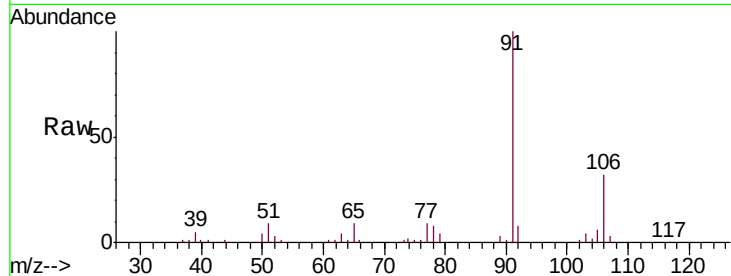
VSTD00566

Tgt Ion: 91 Resp: 44434

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.5



#53

m,p-Xylene

Concen: 4.929 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014564.D

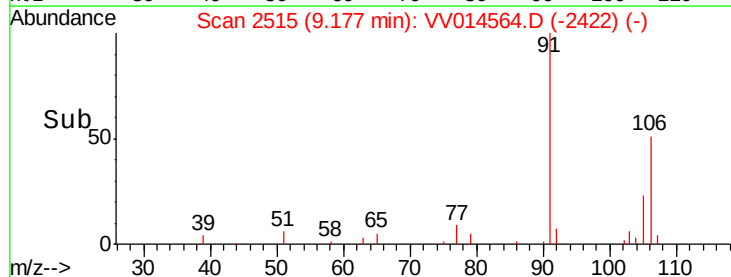
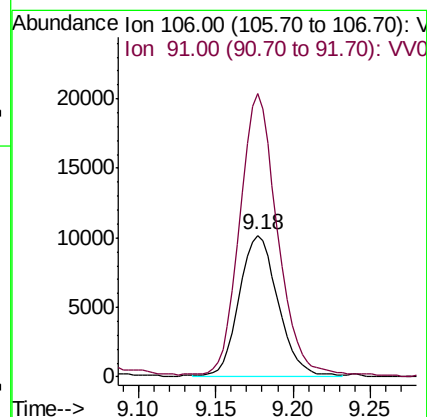
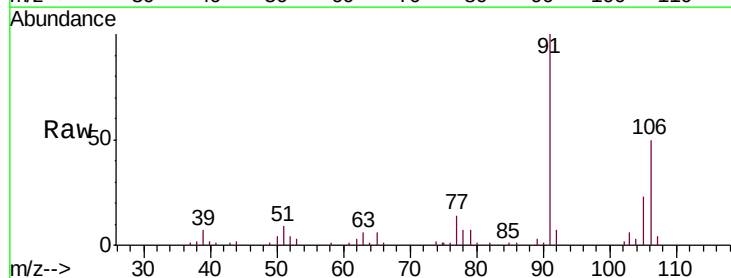
Acq: 12 Feb 2020 10:43

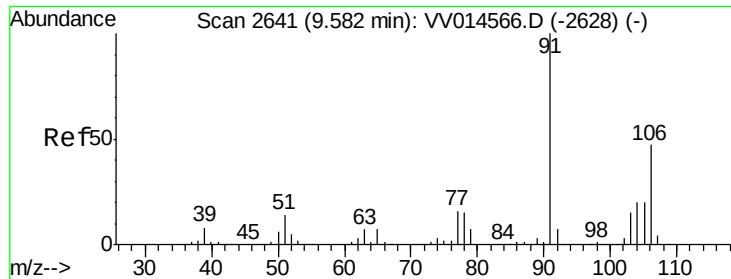
Tgt Ion: 106 Resp: 17956

Ion Ratio Lower Upper

106 100

91 199.6 142.4 264.4

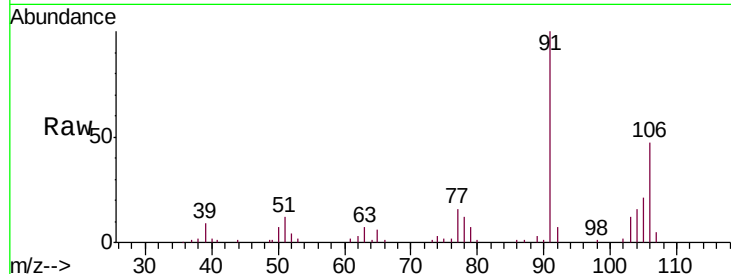




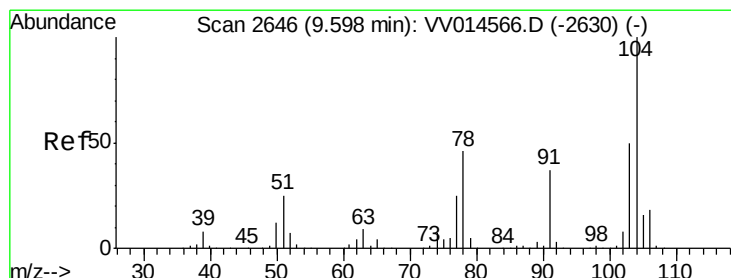
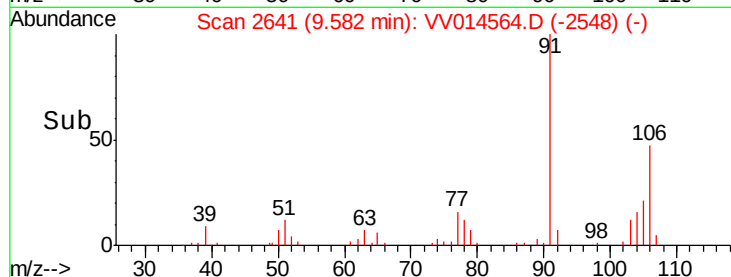
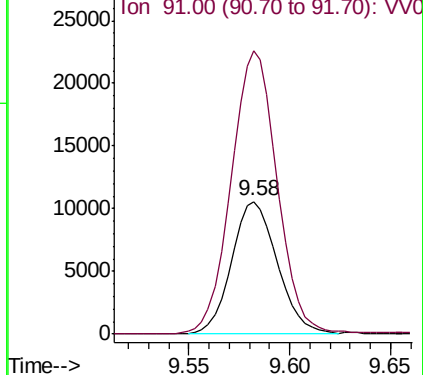
#54
o-xylene
Concen: 4.660 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Instrument :
MSVOA_V
ClientSampled :
VSTD00566

Tgt Ion:106 Resp: 16784
Ion Ratio Lower Upper
106 100
91 213.6 150.5 279.5

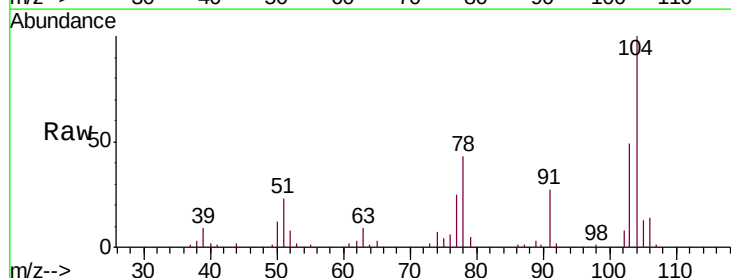


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

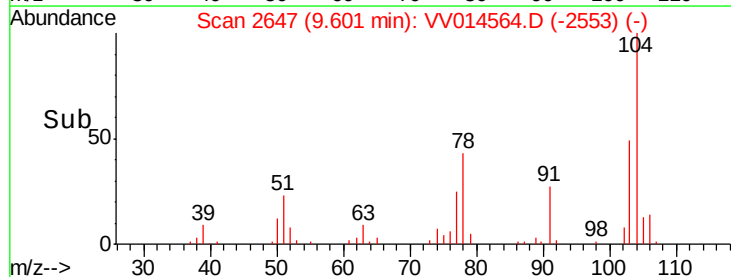
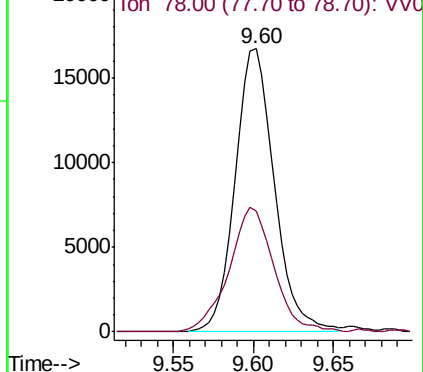


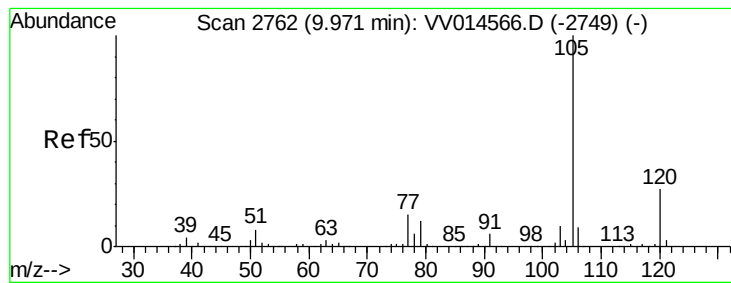
#55
Styrene
Concen: 4.614 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014564.D
Acq: 12 Feb 2020 10:43

Tgt Ion:104 Resp: 27973
Ion Ratio Lower Upper
104 100
78 42.7 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: 4.876 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

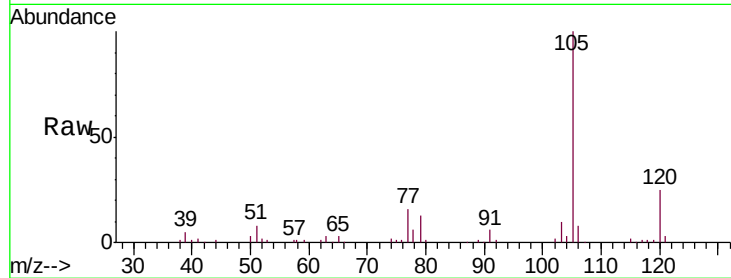
Tgt Ion: 105 Resp: 45227

Ion Ratio Lower Upper

105 100

120 25.6 21.5 32.3

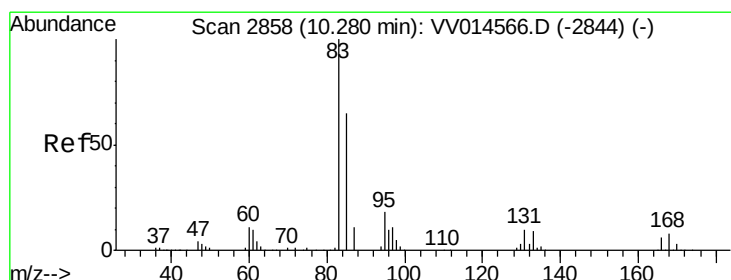
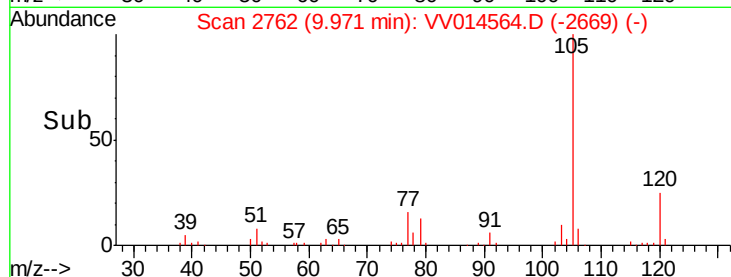
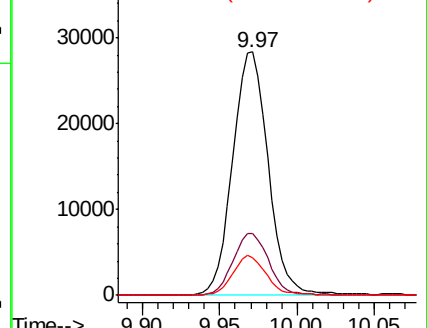
77 15.4 12.2 18.2



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: 4.641 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

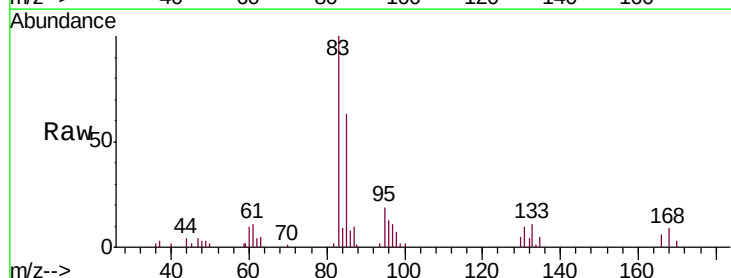
Tgt Ion: 83 Resp: 14585

Ion Ratio Lower Upper

83 100

85 62.7 45.7 84.9

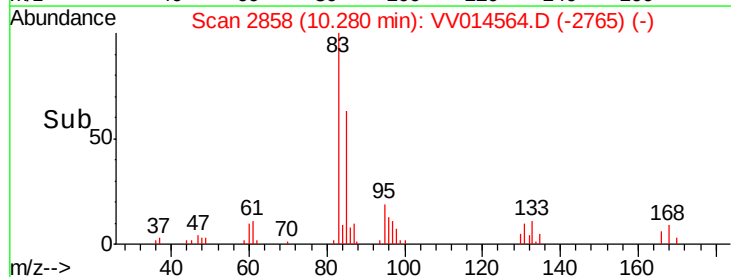
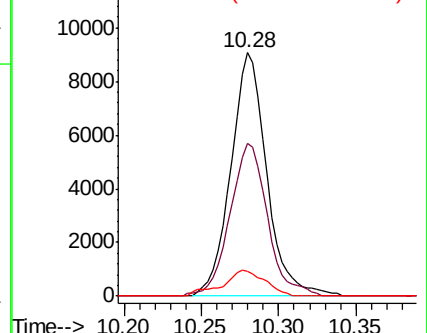
131 10.3 8.2 12.4

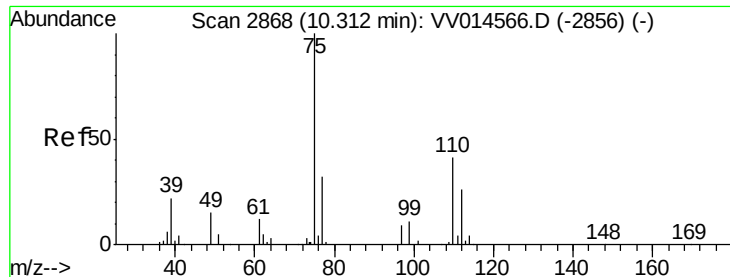


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

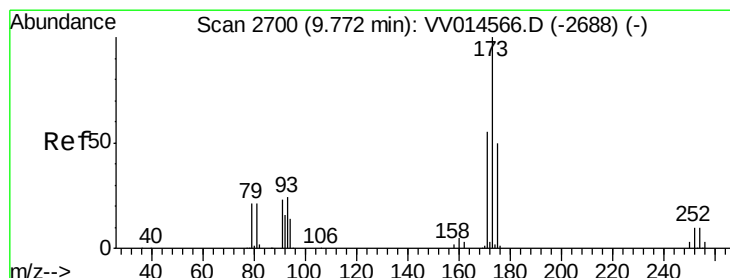
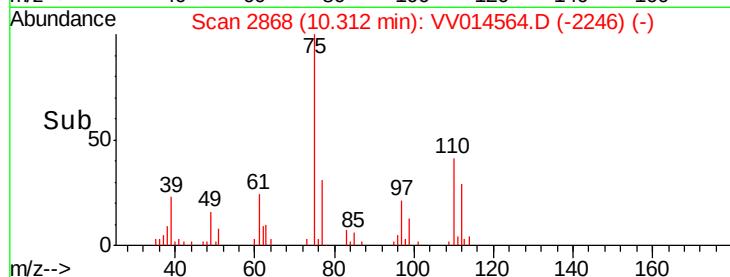
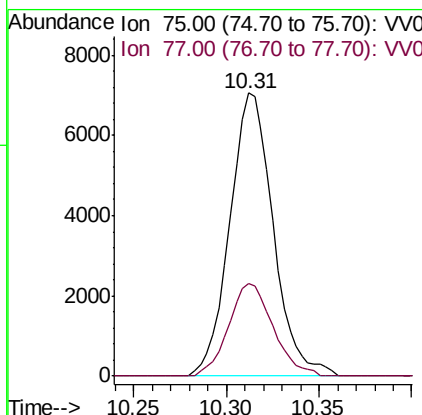
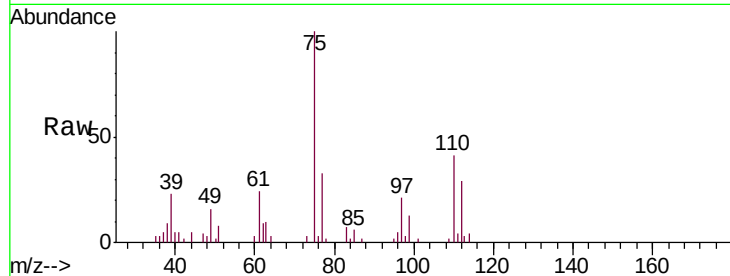




#59
 1,2,3-Trichloropropane
 Concen: 4.667 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

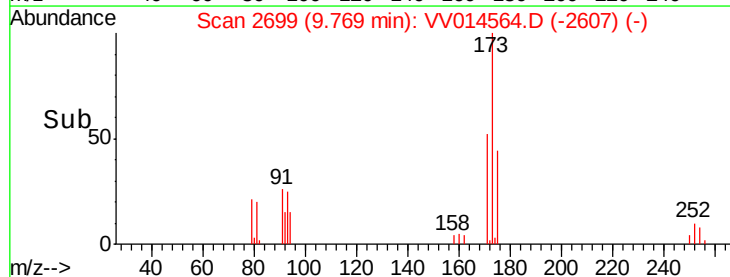
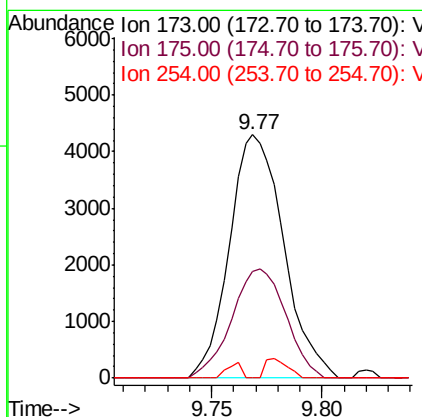
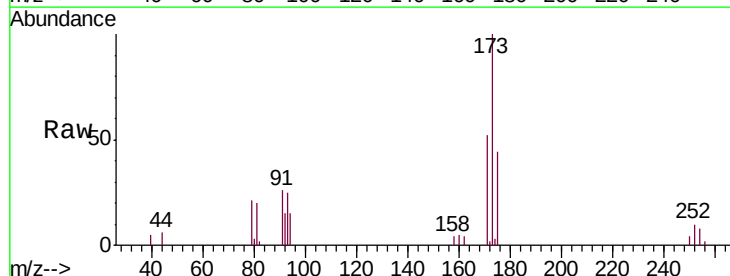
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

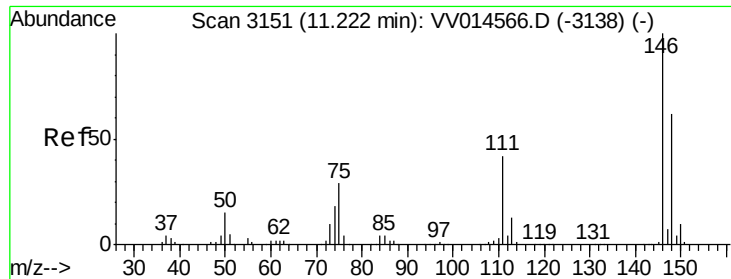
Tgt Ion: 75 Resp: 11477
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.9 38.9



#61
 Bromoform
 Concen: 4.762 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

Tgt Ion: 173 Resp: 7354
 Ion Ratio Lower Upper
 173 100
 175 44.8 39.3 58.9
 254 3.3 7.1 10.7#





#62

1,3-Dichlorobenzene

Concen: 4.944 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

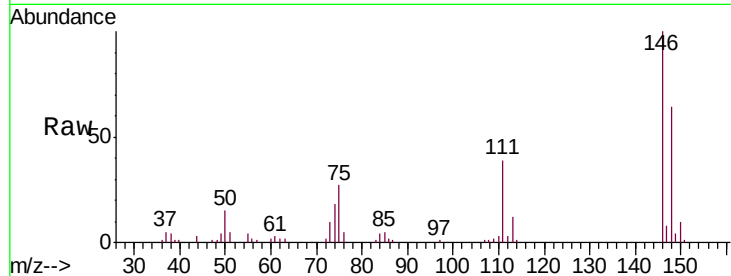
Tgt Ion:146 Resp: 22306

Ion Ratio Lower Upper

146 100

111 38.5 29.4 54.6

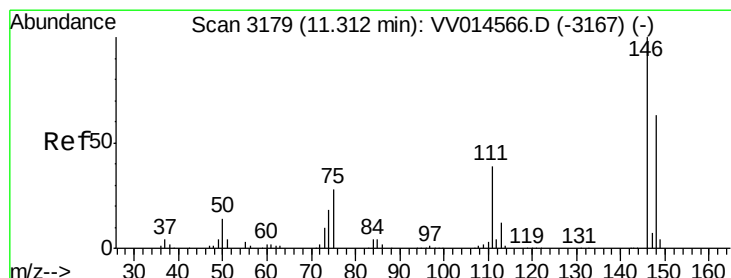
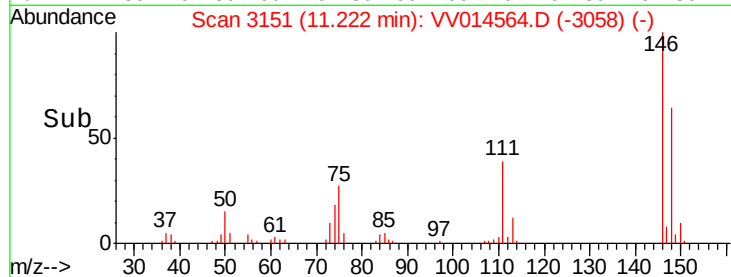
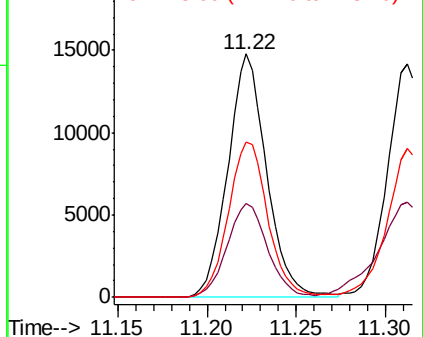
148 63.7 43.6 81.0



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: 4.846 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

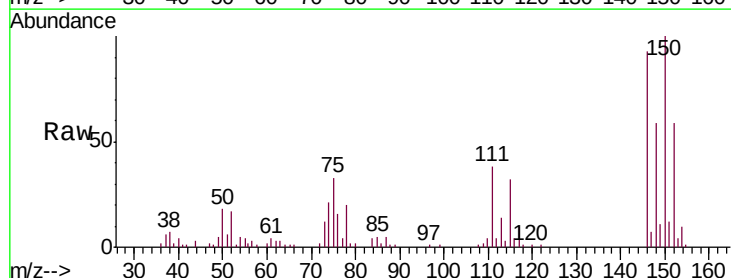
Tgt Ion:146 Resp: 22544

Ion Ratio Lower Upper

146 100

111 41.0 27.7 51.5

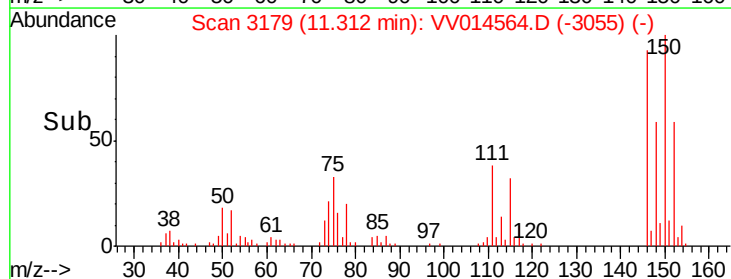
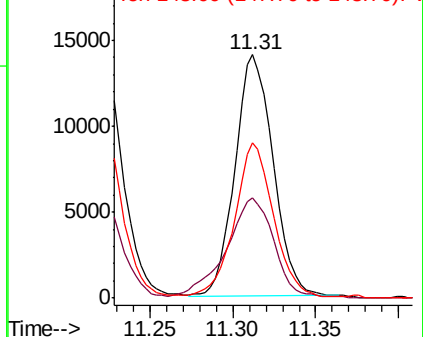
148 64.0 44.1 81.9

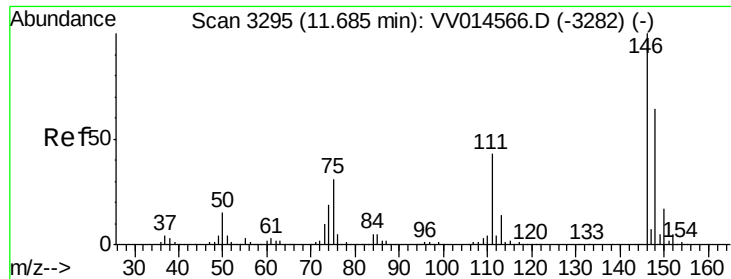


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

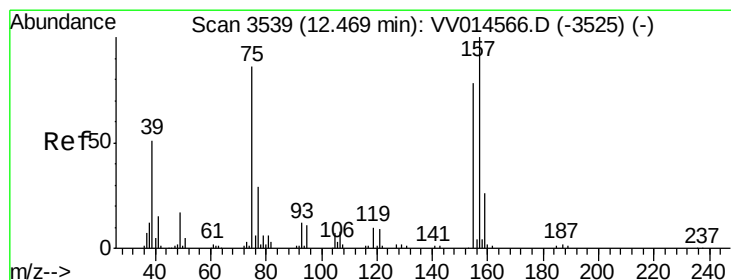
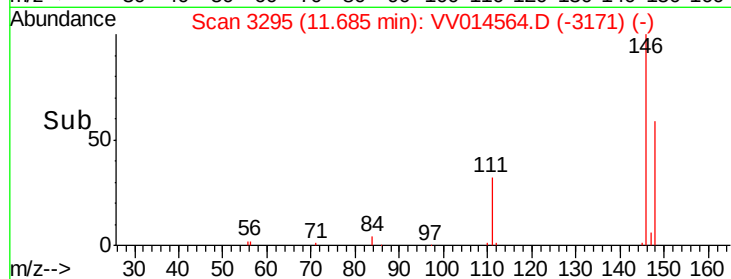
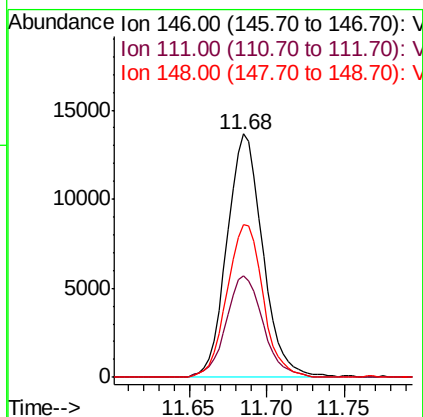
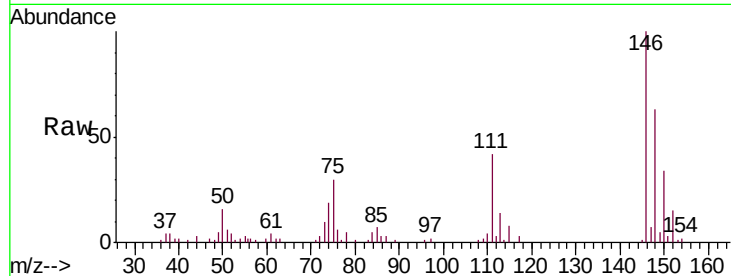




#65
 1,2-Dichlorobenzene
 Concen: 4.927 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

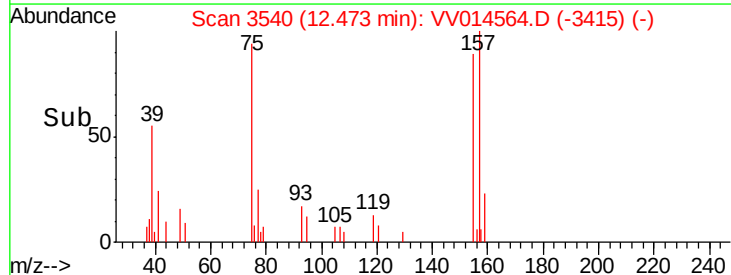
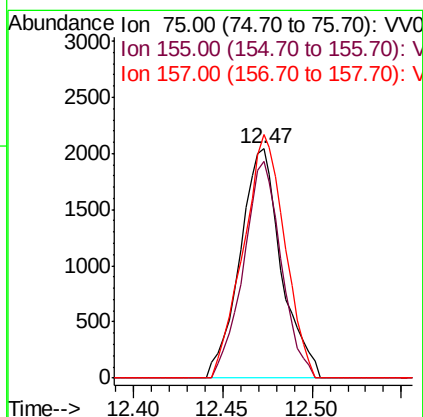
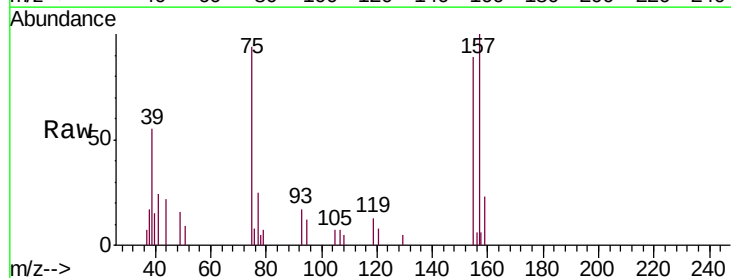
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

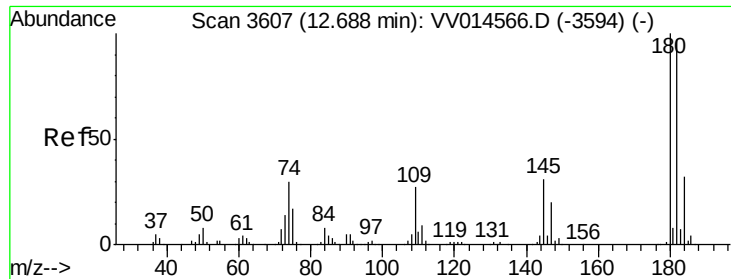
Tgt Ion: 146 Resp: 21889
 Ion Ratio Lower Upper
 146 100
 111 41.5 34.6 52.0
 148 62.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.634 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

Tgt Ion: 75 Resp: 3295
 Ion Ratio Lower Upper
 75 100
 155 94.4 72.9 109.3
 157 112.4 93.0 139.4

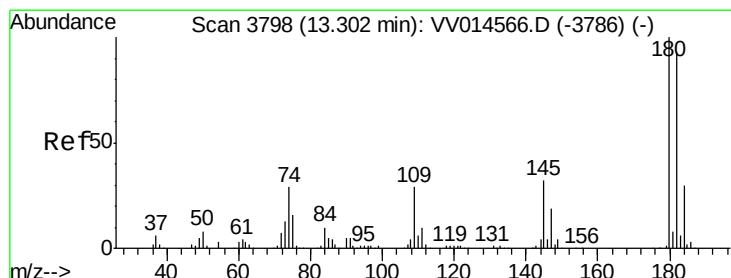
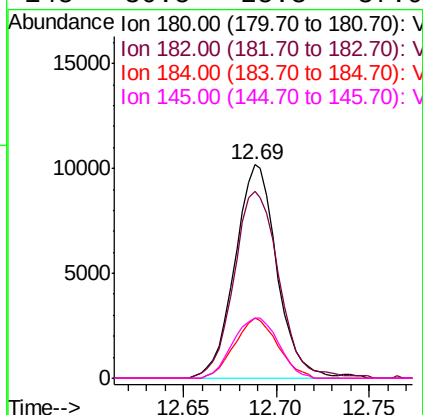
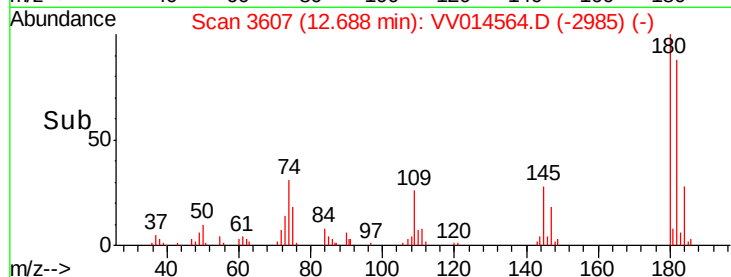
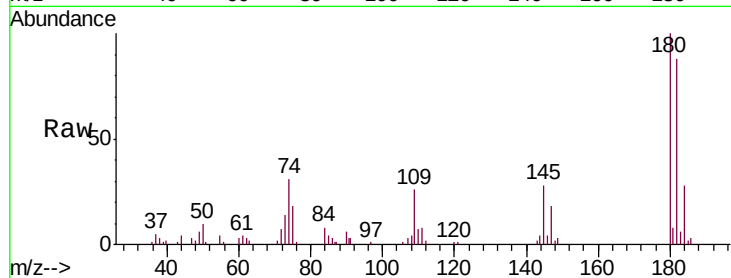




#67
 1,3,5-Trichlorobenzene
 Concen: 5.214 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

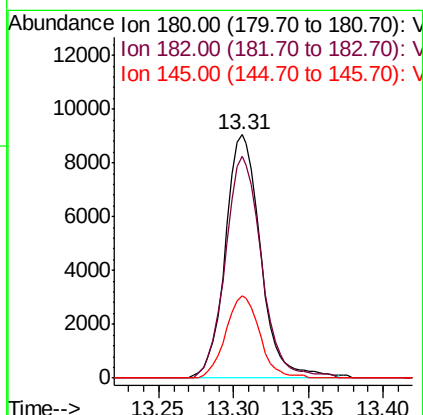
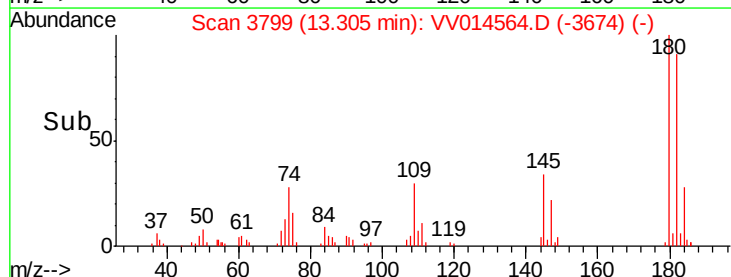
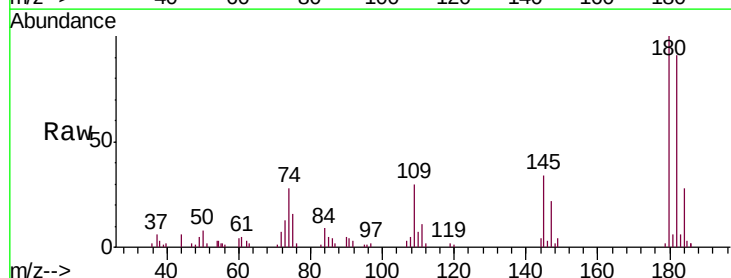
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

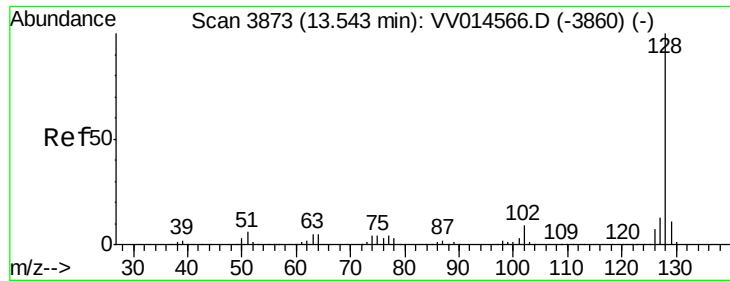
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
184	28.8	24.5	36.7
145	30.5	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.315 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014564.D
 Acq: 12 Feb 2020 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.2	114.2
145	32.2	25.8	38.6





#69

Naphthalene

Concen: 5.096 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

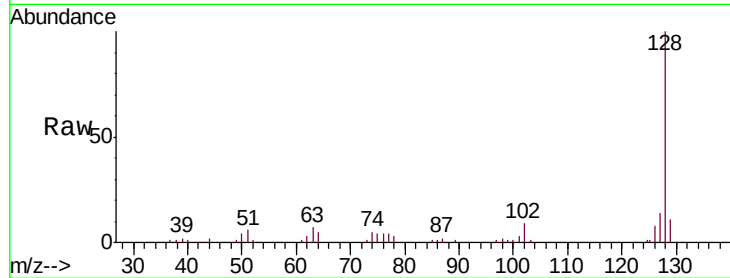
Tgt Ion:128 Resp: 45143

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

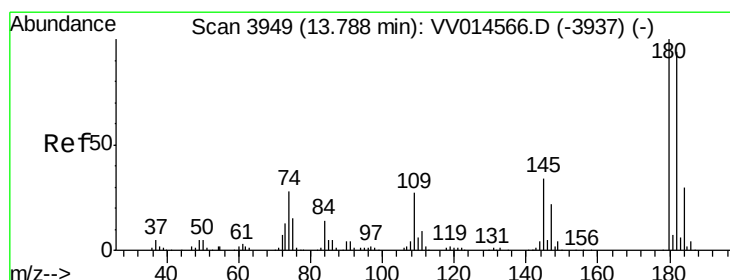
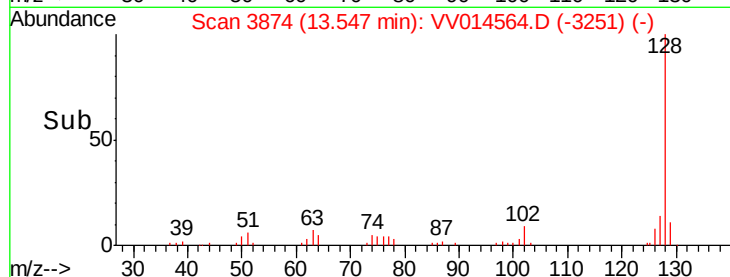
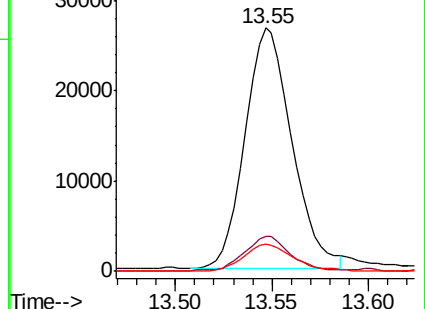
129 11.8 8.6 13.0



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: 5.184 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV014564.D

Acq: 12 Feb 2020 10:43

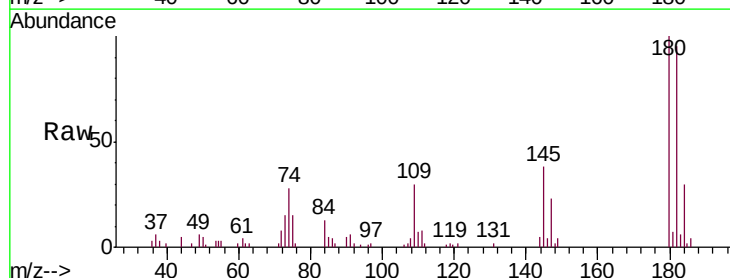
Tgt Ion:180 Resp: 13999

Ion Ratio Lower Upper

180 100

182 98.1 75.2 112.8

145 36.5 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

