

Data File : VV014511.D
Acq On : 06 Feb 2020 10:03
Operator : SY/MD
Sample : VSTD00566
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005201

Quant Time: Feb 07 01:06:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	417172	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386554	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	194579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11262	4.83	ug/L	0.00
7) Chloroethane-d5	1.59	69	8013	4.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17547	4.45	ug/L	0.00
21) 2-Butanone-d5	3.94	46	11819	6.81	ug/L	0.02
24) Chloroform-d	4.40	84	24191	4.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14953	4.07	ug/L	0.00
32) Benzene-d6	5.10	84	50277	4.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	15183	4.56	ug/L	0.00
41) Toluene-d8	7.36	98	46072	4.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8043	4.31	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	12096	8.68	ug/L	0.02
56) 1,1,2,2-Tetrachloroethane-	10.25	84	19615	4.23	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	18455	4.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17589	5.784 ug/L	99
3) Chloromethane	1.26	50	18255	7.693 ug/L	100
5) Vinyl chloride	1.33	62	13711	6.370 ug/L	100
6) Bromomethane	1.54	94	6574	5.544 ug/L	89
8) Chloroethane	1.60	64	7008	6.273 ug/L	98
9) Trichlorofluoromethane	1.77	101	17721	5.297 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8778	5.391 ug/L	95
12) 1,1-Dichloroethene	2.14	96	8674	5.608 ug/L	80
13) Acetone	2.19	43	18208	15.275 ug/L	94
14) Carbon disulfide	2.32	76	40066	7.018 ug/L	98
15) Methyl Acetate	2.46	43	13567	6.188 ug/L	100
16) Methylene chloride	2.54	84	16378	6.641 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	14448	6.272 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	45750	5.914 ug/L	99
19) 1,1-Dichloroethane	3.23	63	25902	6.181 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	16503	6.171 ug/L	96
22) 2-Butanone	4.02	43	21468	13.156 ug/L	83
23) Bromochloromethane	4.30	128	7442	5.203 ug/L	96
25) Chloroform	4.42	83	26601	5.744 ug/L	100
27) 1,2-Dichloroethane	5.18	62	19182	5.382 ug/L	98
29) Cyclohexane	4.72	56	24376	6.843 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	21966	5.218 ug/L	99
31) Carbon tetrachloride	4.87	117	19389	5.019 ug/L	96
33) Benzene	5.15	78	56307	5.928 ug/L	100
34) Trichloroethene	5.96	95	15551	5.992 ug/L	97
35) Methylcyclohexane	6.17	83	26267	6.658 ug/L	98
37) 1,2-Dichloropropane	6.22	63	14804	6.341 ug/L	99
38) Bromodichloromethane	6.55	83	19634	5.544 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	22516	5.521 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	35844	11.822 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	62610	6.014	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	21081	5.551	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	14366	5.854	ug/L	95
46) Tetrachloroethene	8.01	164	12020	5.152	ug/L	99
48) 2-Hexanone	8.19	43	26914	11.629	ug/L	98
49) Dibromochloromethane	8.29	129	15448	5.002	ug/L	100
50) 1,2-Dibromoethane	8.39	107	15219	5.622	ug/L	98
51) Chlorobenzene	8.92	112	40895	5.860	ug/L	97
52) Ethylbenzene	9.05	91	69465	5.931	ug/L	97
53) m,p-Xylene	9.18	106	27437	6.099	ug/L	97
54) o-Xylene	9.58	106	26079	5.877	ug/L	97
55) Styrene	9.60	104	43593	5.797	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	21454	5.645	ug/L	98
59) Bromoform	9.77	173	10562	4.631	ug/L	99
60) Isopropylbenzene	9.97	105	67782	6.059	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	17459	6.148	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	56819	5.874	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	56377	5.895	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	32192	5.774	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	33693	5.953	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	31827	5.662	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	4366	4.821	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	22080	5.036	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	19202	4.978	ug/L	97
71) Naphthalene	13.55	128	65598	6.364	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	19102	4.986	ug/L	99

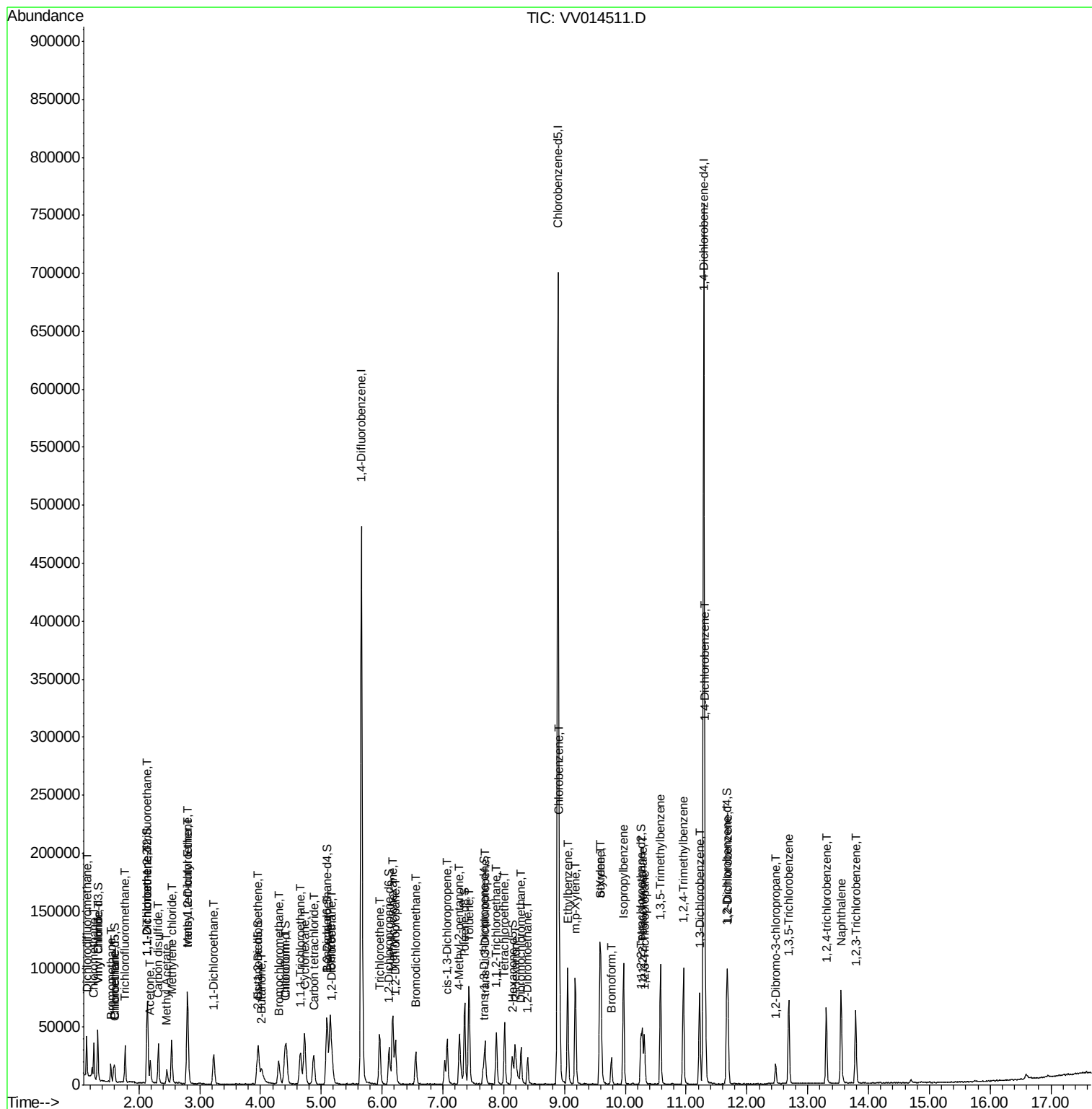
(#) = qualifier out of range (m) = manual integration (+) = signals summed

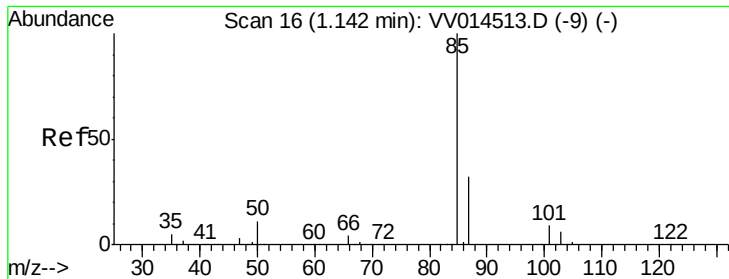
Data File : VV014511.D

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#2

Dichlorodifluoromethane

Concen: 5.784 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

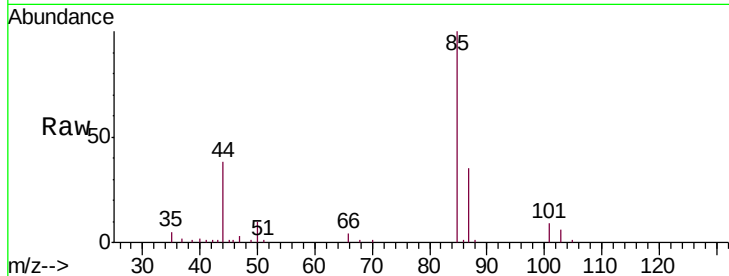
VSTD005201

Tgt Ion: 85 Resp: 17589

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

20000

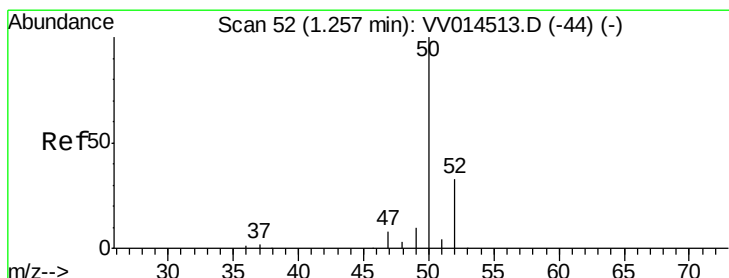
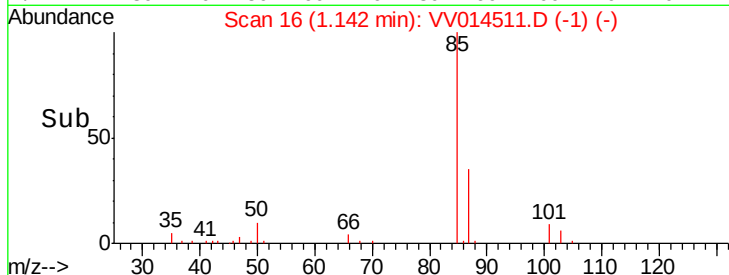
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 7.693 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014511.D

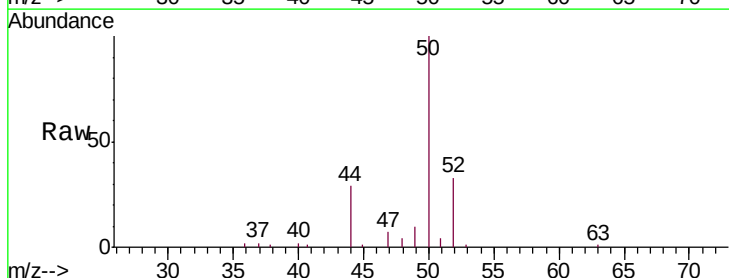
Acq: 06 Feb 2020 10:03

Tgt Ion: 50 Resp: 18255

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

20000

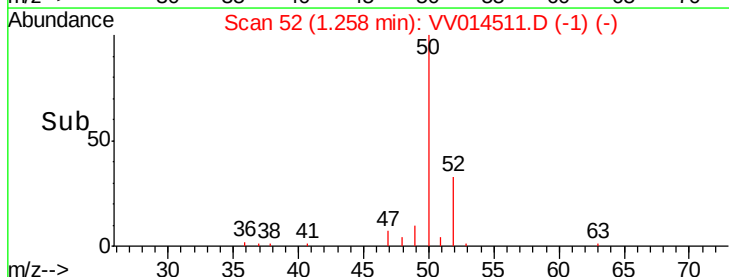
15000

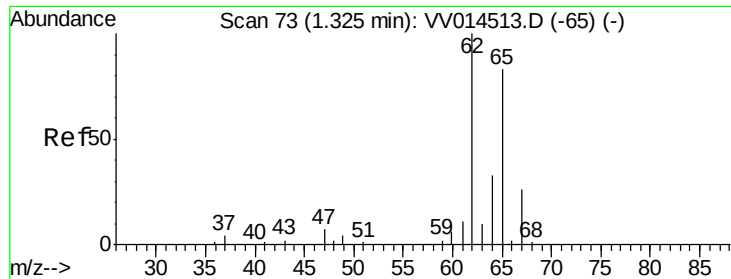
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 6.370 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

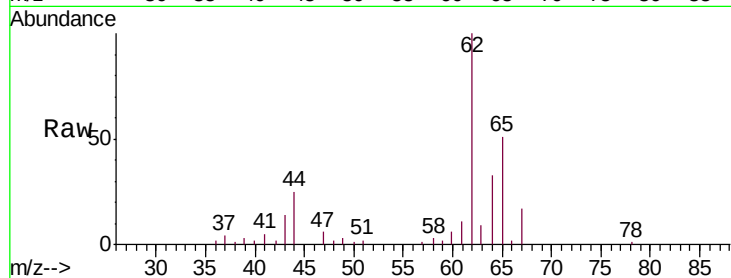
VSTD005201

Tgt Ion: 62 Resp: 13711

Ion Ratio Lower Upper

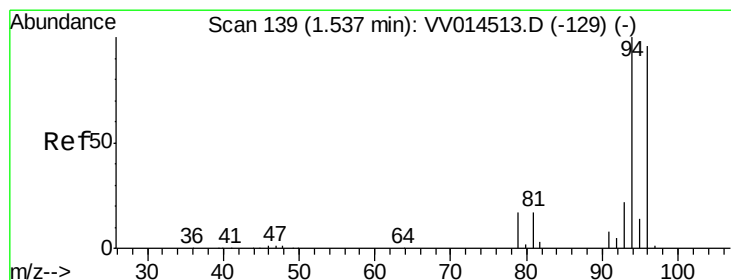
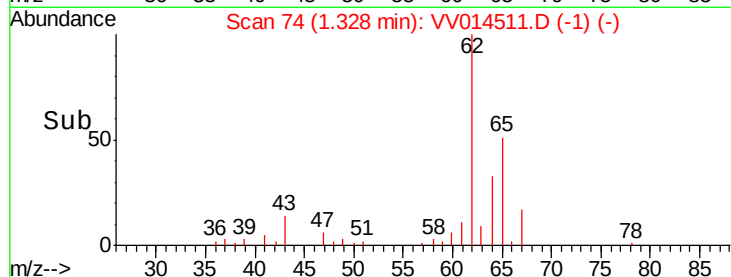
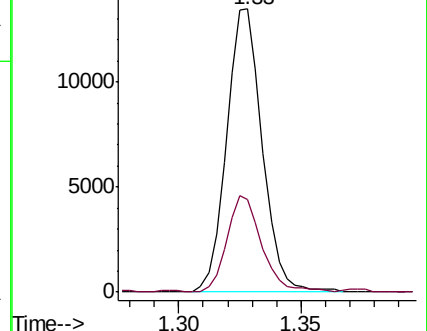
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.544 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014511.D

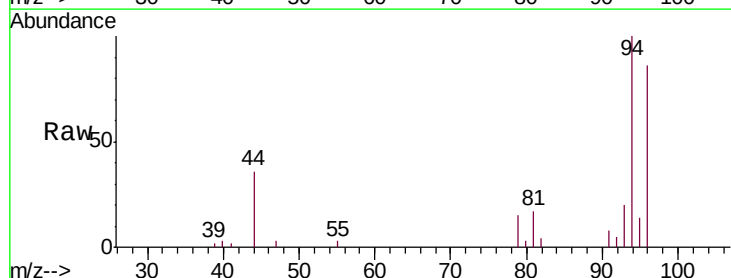
Acq: 06 Feb 2020 10:03

Tgt Ion: 94 Resp: 6574

Ion Ratio Lower Upper

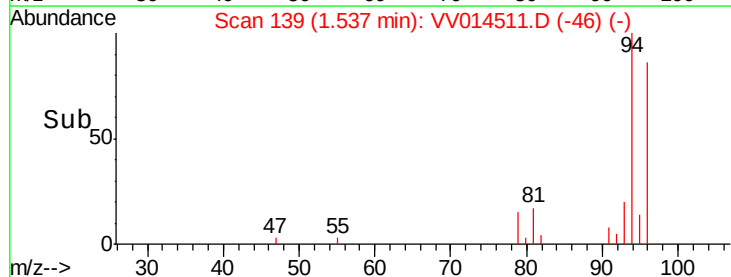
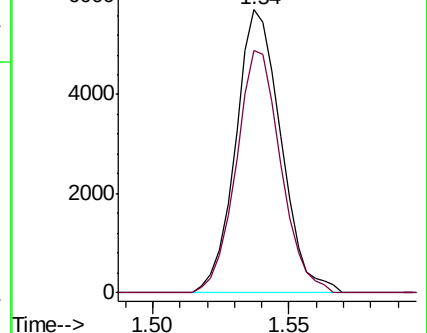
94 100

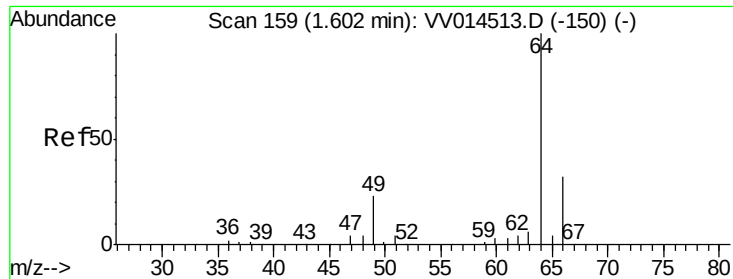
96 85.7 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 6.273 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

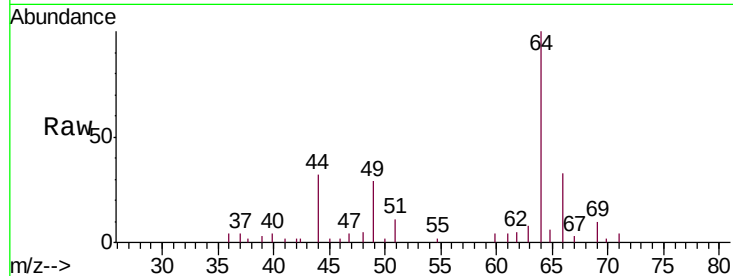
VSTD005201

Tgt Ion: 64 Resp: 7008

Ion Ratio Lower Upper

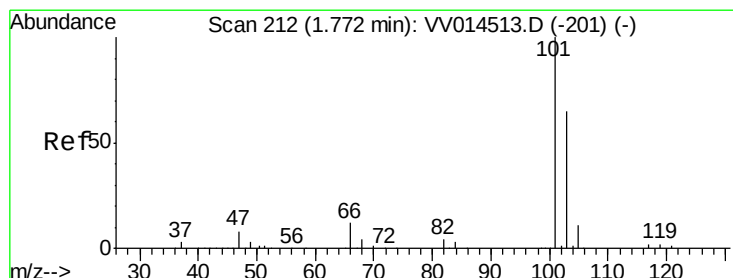
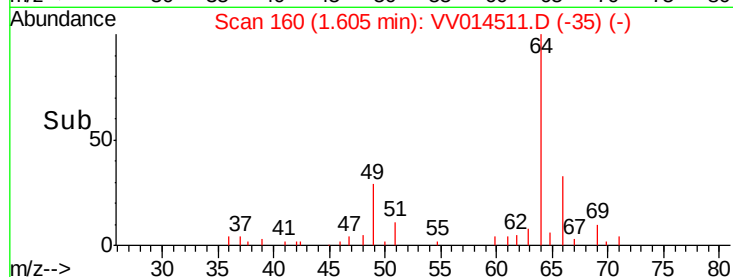
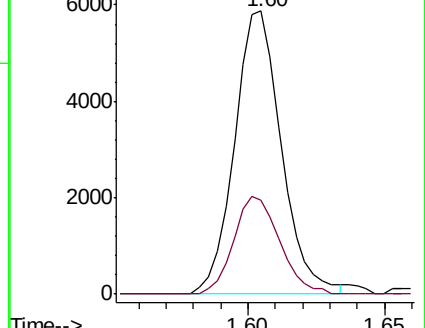
64 100

66 33.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014511.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014511.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.297 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014511.D

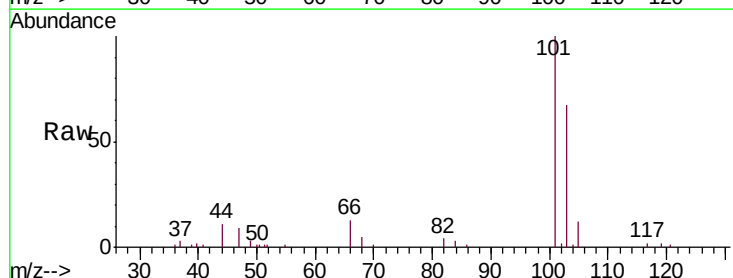
Acq: 06 Feb 2020 10:03

Tgt Ion: 101 Resp: 17721

Ion Ratio Lower Upper

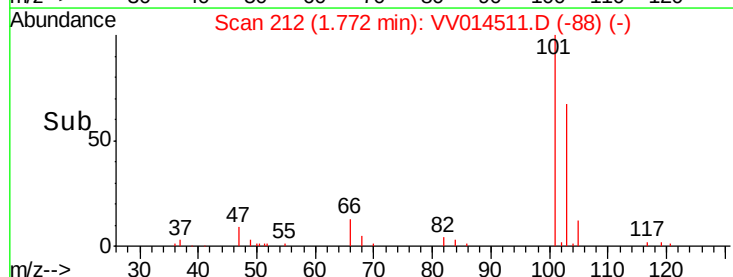
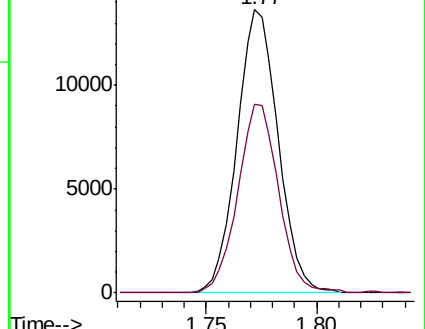
101 100

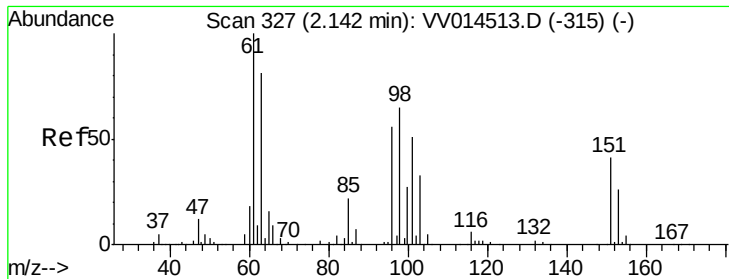
103 66.2 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014511.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014511.D (-201) (-)





#10

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

Concen: 5.391 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

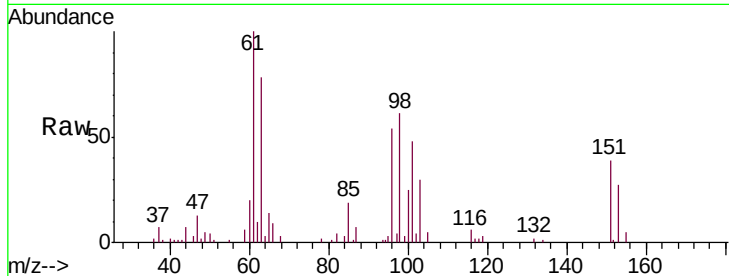
Tgt Ion: 101 Resp: 8778

Ion Ratio Lower Upper

101 100

85 39.7 35.0 52.6

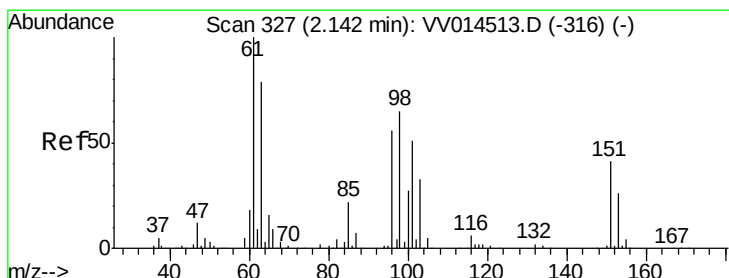
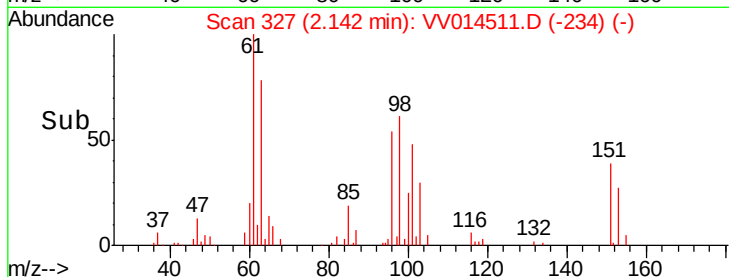
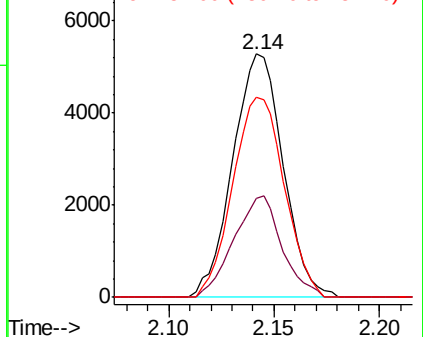
151 83.8 64.4 96.6



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: 5.608 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

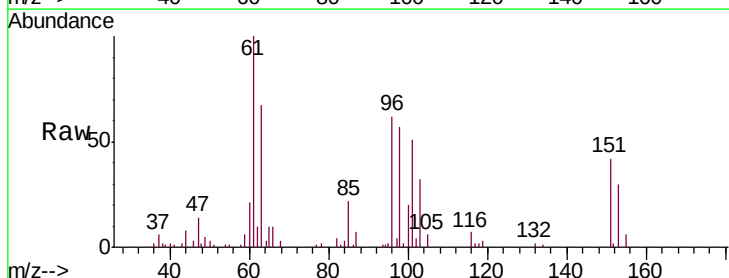
Tgt Ion: 96 Resp: 8674

Ion Ratio Lower Upper

96 100

61 161.9 125.0 232.2

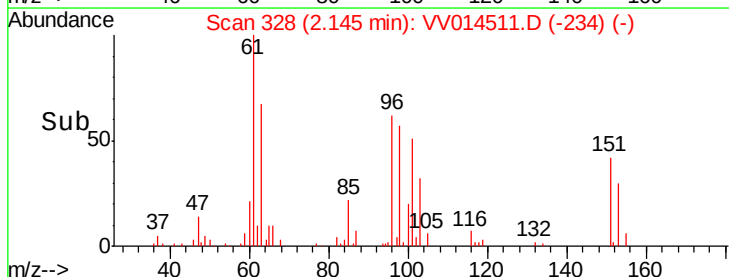
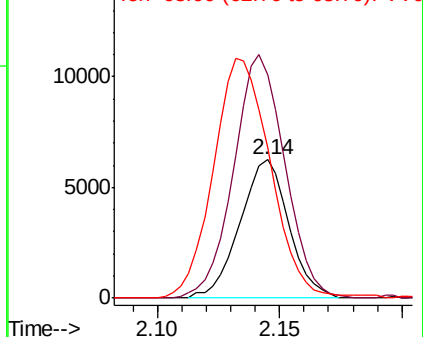
63 108.9 101.6 188.6

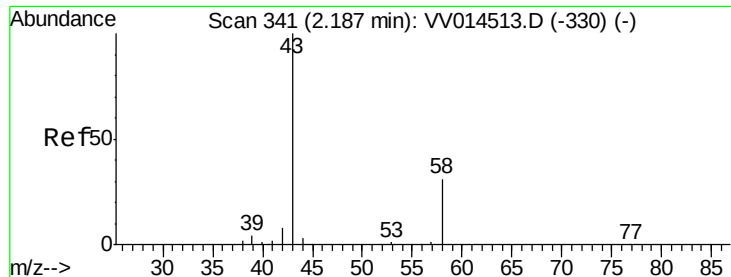


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 15.275 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

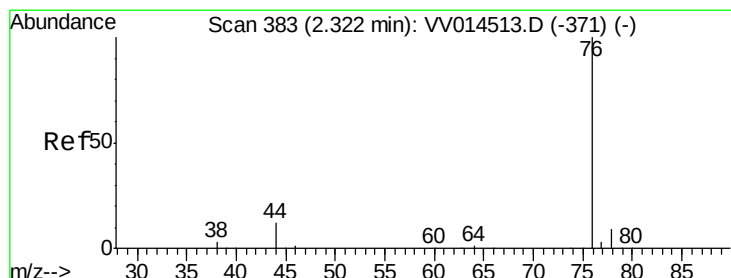
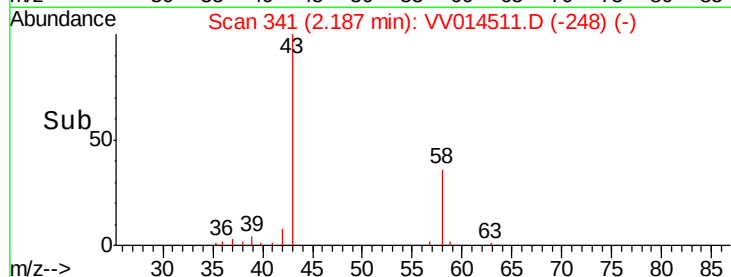
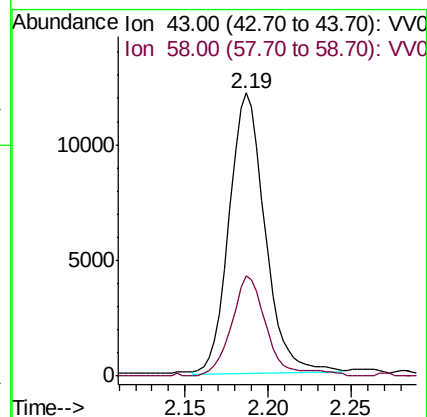
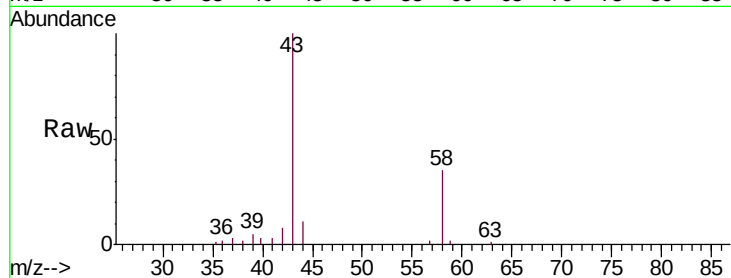
VSTD005201

Tgt Ion: 43 Resp: 18208

Ion Ratio Lower Upper

43 100

58 34.1 0.0 61.8



#14

Carbon disulfide

Concen: 7.018 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014511.D

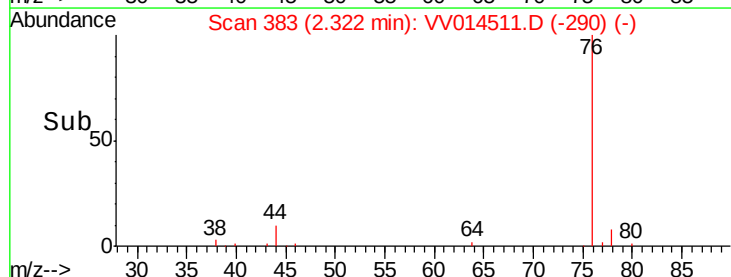
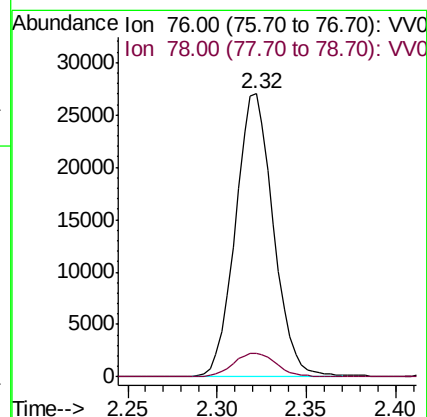
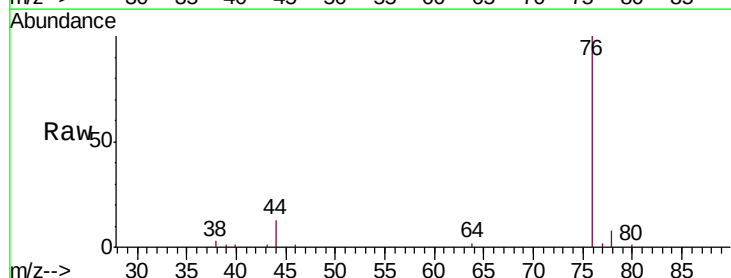
Acq: 06 Feb 2020 10:03

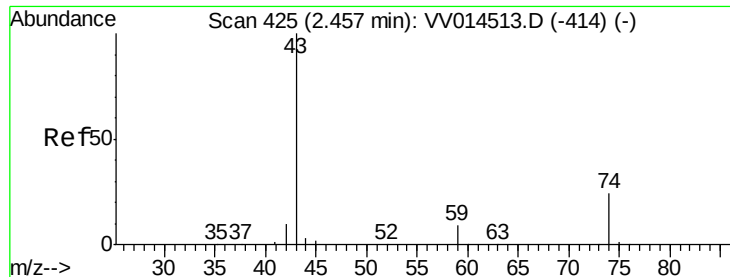
Tgt Ion: 76 Resp: 40066

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

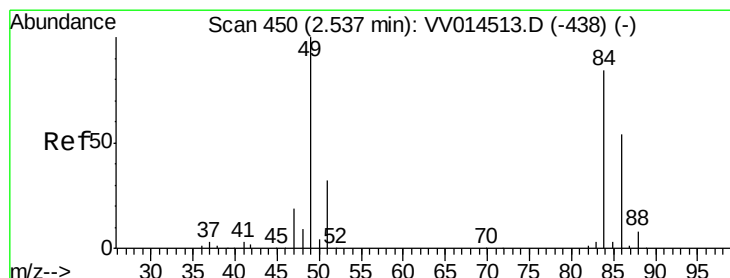
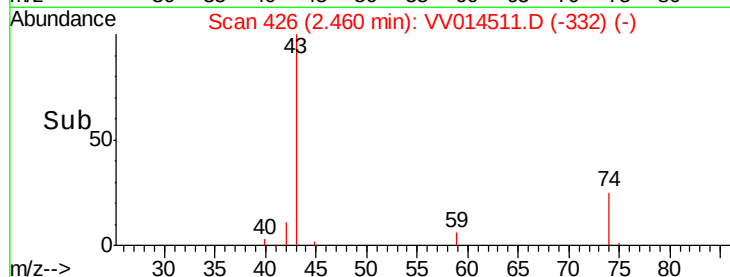
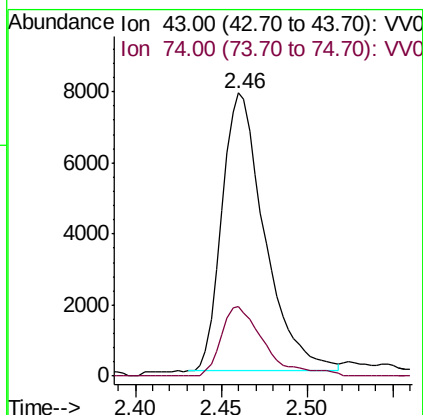
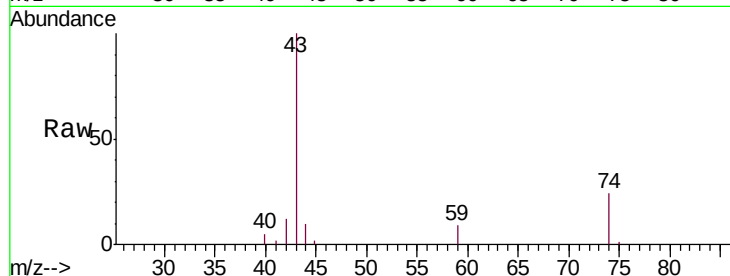




#15
Methyl Acetate
Concen: 6.188 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

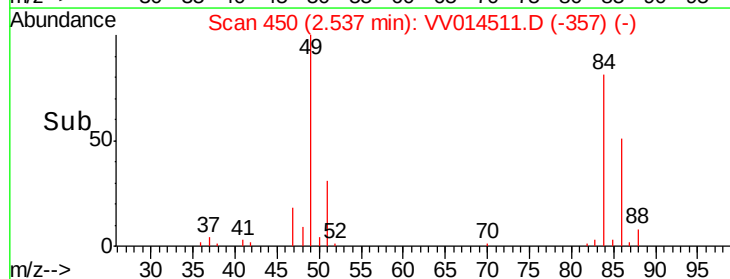
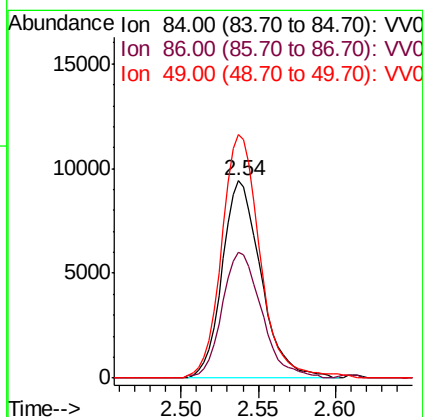
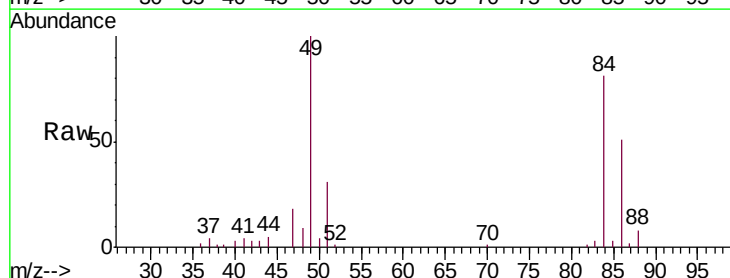
Instrument :
MSVOA_V
ClientSampleId :
VSTD005201

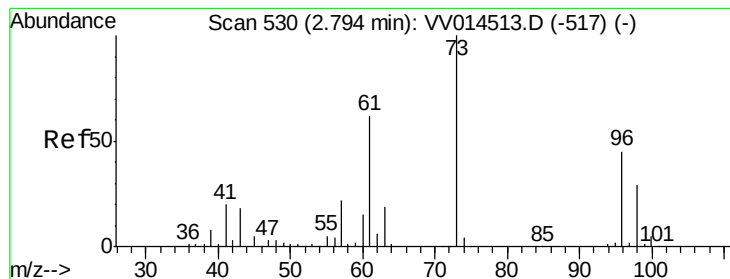
Tgt Ion: 43 Resp: 13567
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.0



#16
Methylene chloride
Concen: 6.641 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

Tgt Ion: 84 Resp: 16378
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 123.5 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 6.272 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

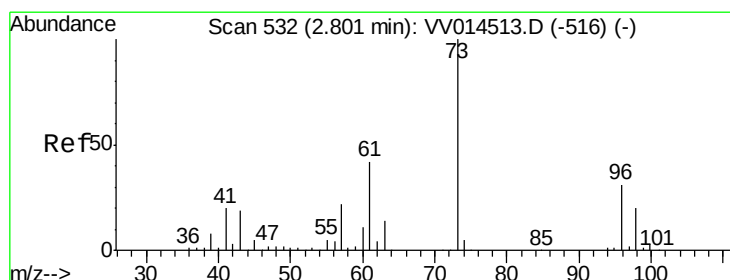
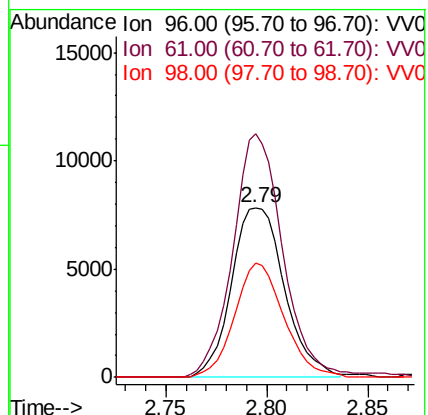
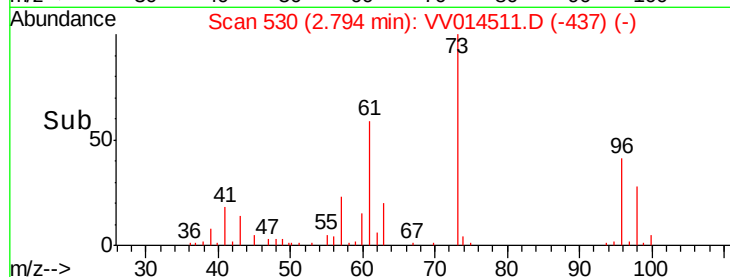
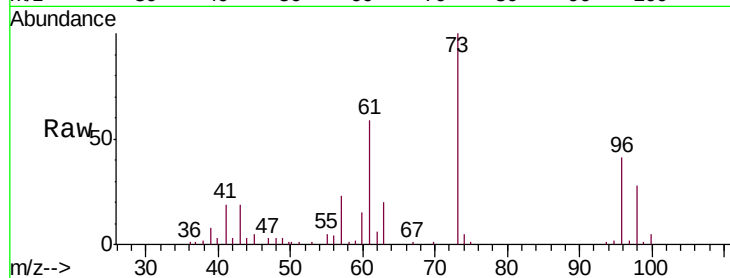
Tgt Ion: 96 Resp: 14448

Ion Ratio Lower Upper

96 100

61 143.4 95.8 178.0

98 67.6 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 5.914 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

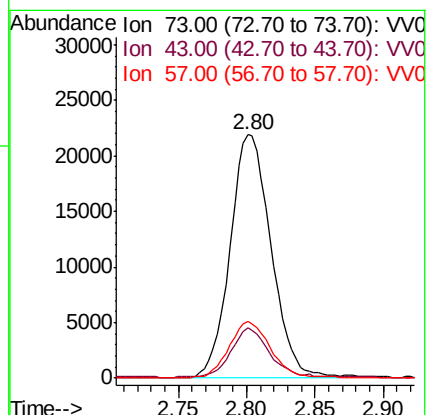
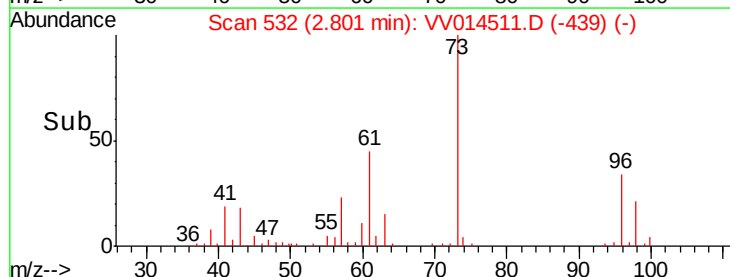
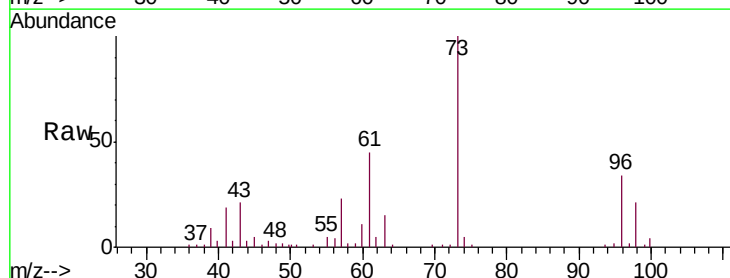
Tgt Ion: 73 Resp: 45750

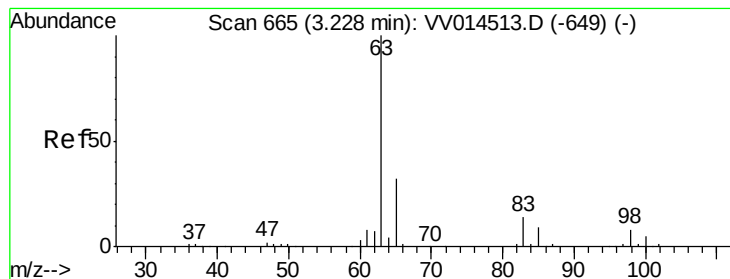
Ion Ratio Lower Upper

73 100

43 18.7 14.9 22.3

57 23.2 17.5 26.3





#19

1,1-Dichloroethane

Concen: 6.181 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

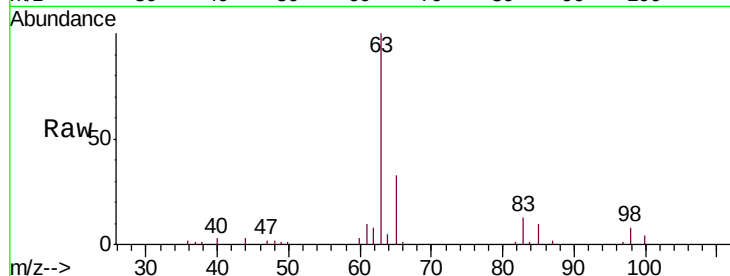
Tgt Ion: 63 Resp: 25902

Ion Ratio Lower Upper

63 100

65 32.7 22.5 41.7

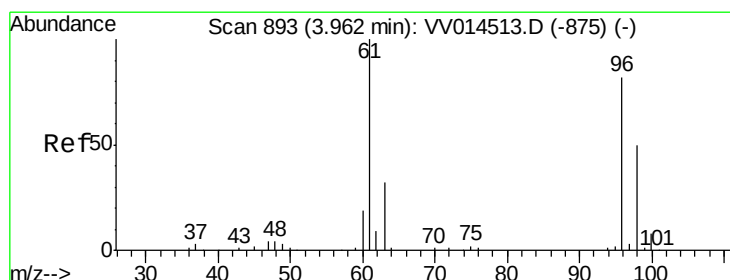
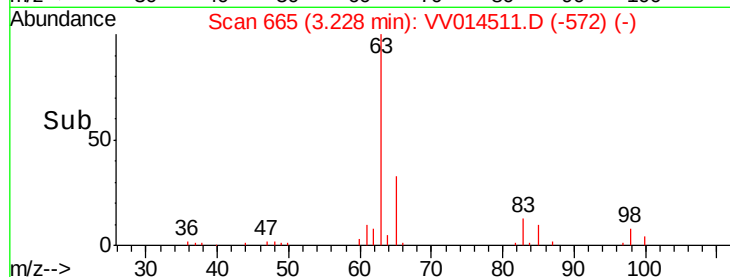
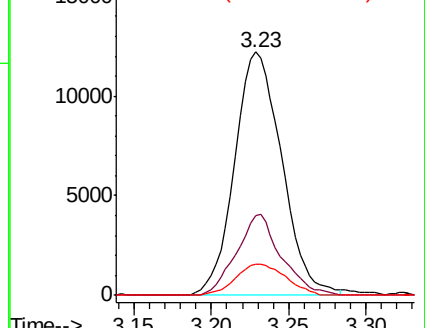
83 12.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV014511.D (-649) (-)

Ion 65.00 (64.70 to 65.70): VV014511.D (-649) (-)

Ion 83.00 (82.70 to 83.70): VV014511.D (-649) (-)



#20

cis-1,2-Dichloroethene

Concen: 6.171 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

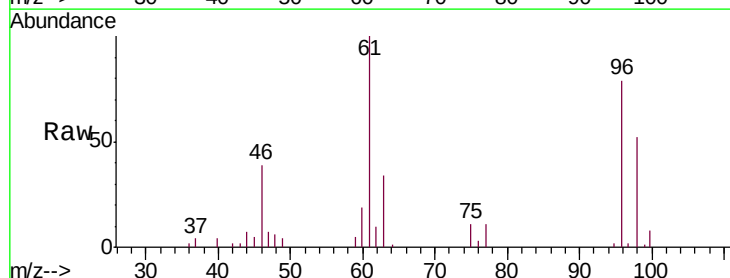
Tgt Ion: 96 Resp: 16503

Ion Ratio Lower Upper

96 100

61 125.8 85.2 158.2

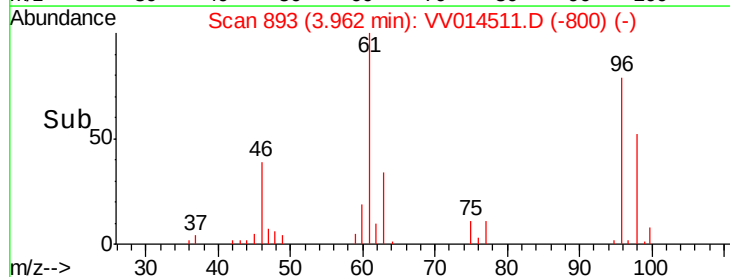
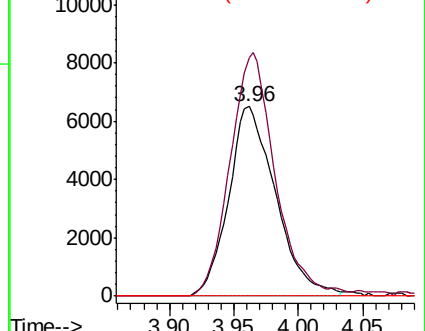
68 0.0 0.0 0.0

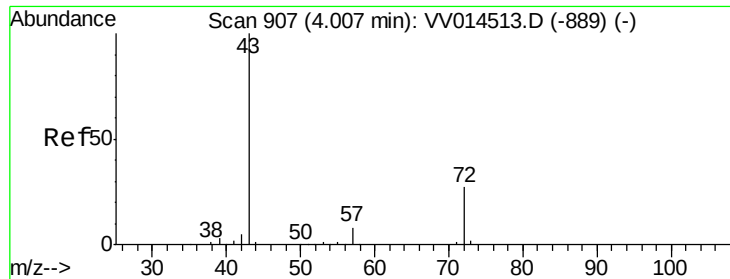


Abundance Ion 96.00 (95.70 to 96.70): VV014511.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV014511.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV014511.D (-875) (-)





#22

2-Butanone

Concen: 13.156 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

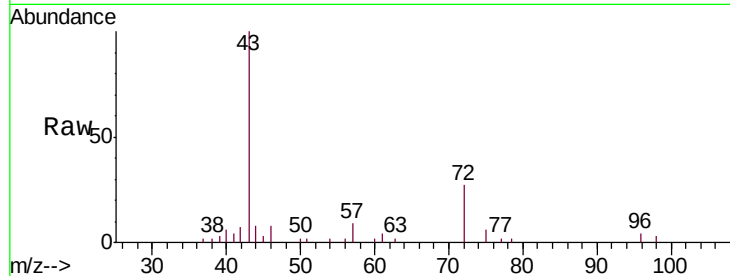
VSTD005201

Tgt Ion: 43 Resp: 21468

Ion Ratio Lower Upper

43 100

72 16.8 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014511.D (-912) (-)

Ion 72.00 (71.70 to 72.70): VV014511.D (-912) (-)

4.02

6000

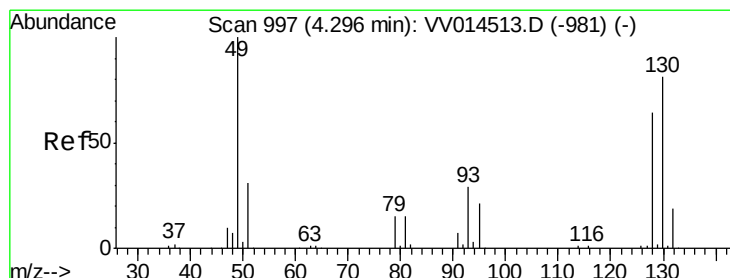
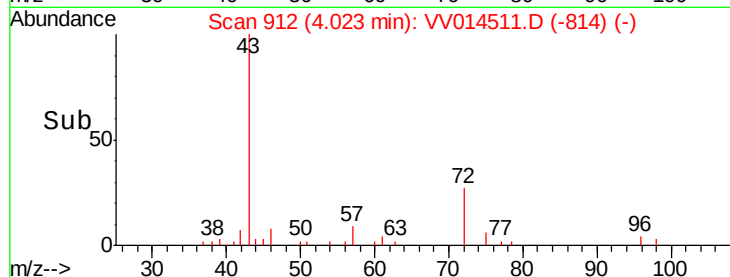
4000

2000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 5.203 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Tgt Ion: 128 Resp: 7442

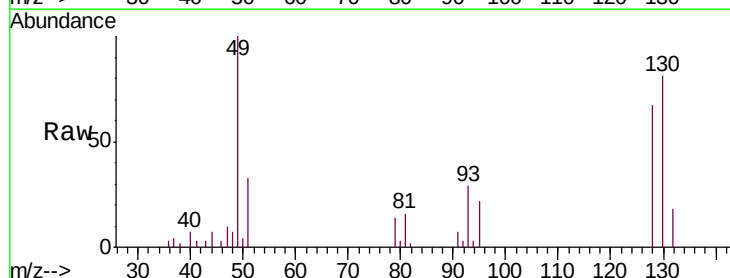
Ion Ratio Lower Upper

128 100

49 150.3 110.1 204.5

130 121.6 88.5 164.4

51 49.4 39.4 59.0



Abundance Ion 128.00 (127.70 to 128.70): VV014511.D (-997) (-)

Ion 49.00 (48.70 to 49.70): VV014511.D (-997) (-)

Ion 130.00 (129.70 to 130.70): VV014511.D (-997) (-)

Ion 51.00 (50.70 to 51.70): VV014511.D (-997) (-)

4.30

6000

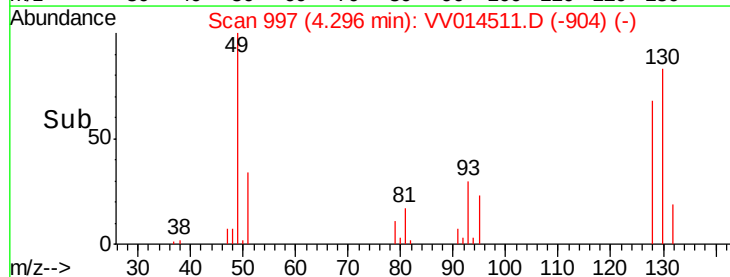
4000

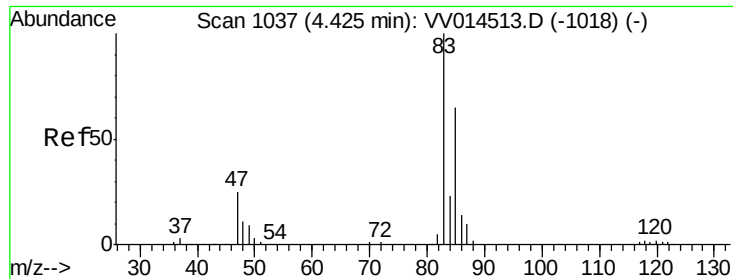
2000

0

Time-->

4.25 4.30 4.35

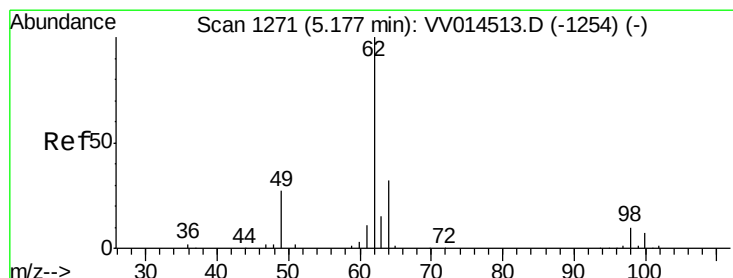
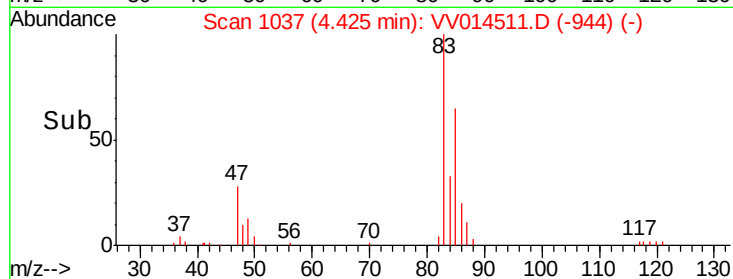
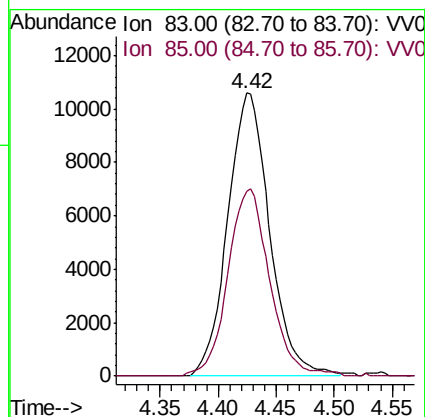
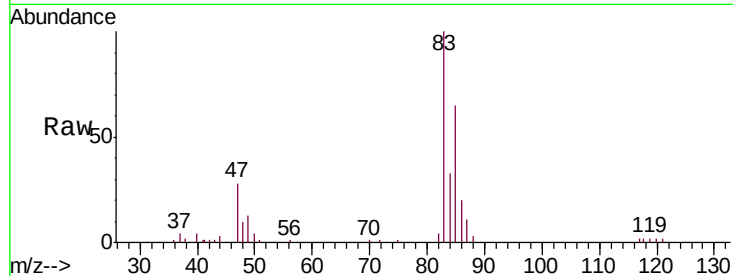




#25
Chloroform
Concen: 5.744 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

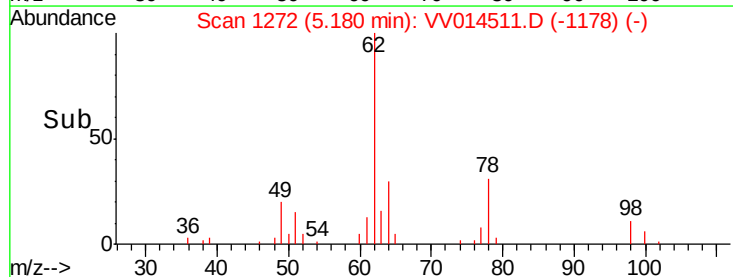
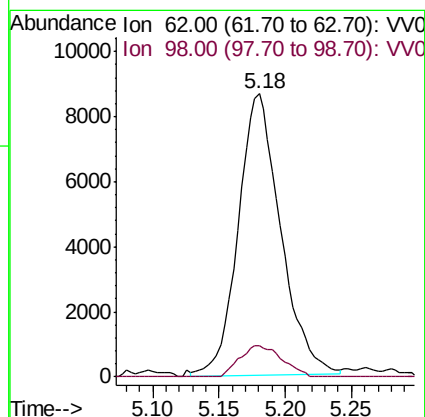
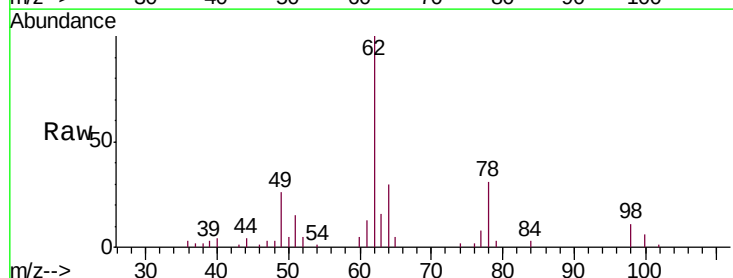
Instrument :
MSVOA_V
ClientSampleId :
VSTD005201

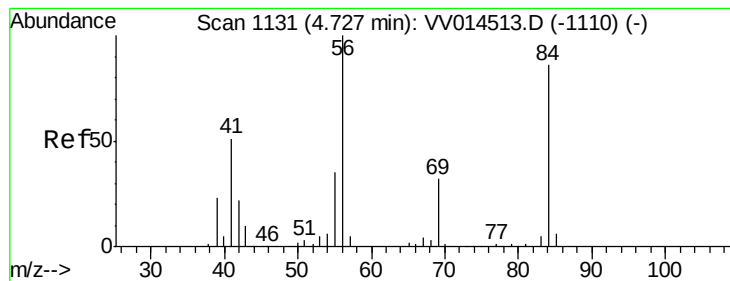
Tgt Ion: 83 Resp: 26601
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.382 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

Tgt Ion: 62 Resp: 19182
Ion Ratio Lower Upper
62 100
98 10.9 8.2 12.4





#29

Cyclohexane

Concen: 6.843 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

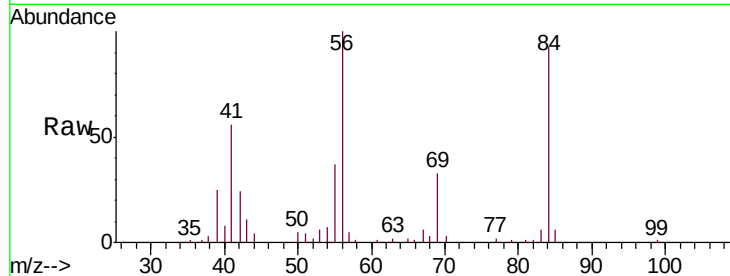
Tgt Ion: 56 Resp: 24376

Ion Ratio Lower Upper

56 100

69 32.2 25.2 37.8

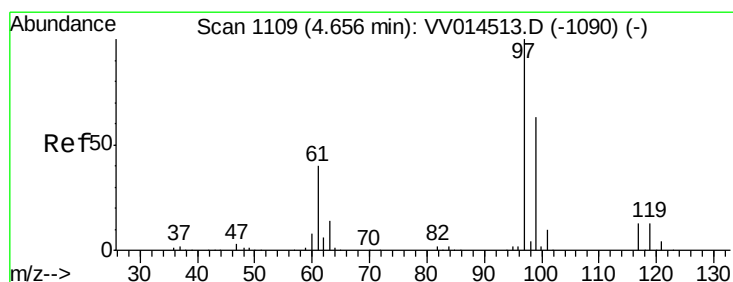
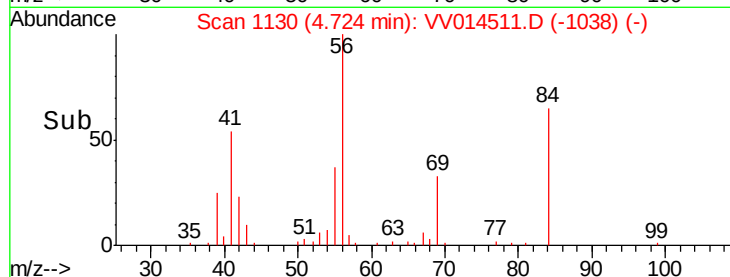
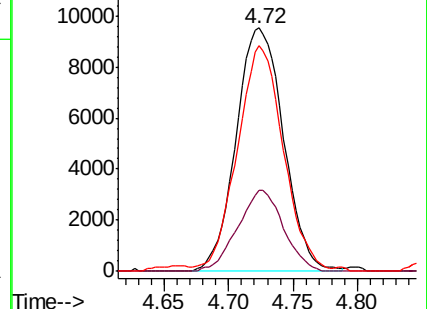
84 90.1 69.8 104.8



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: 5.218 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

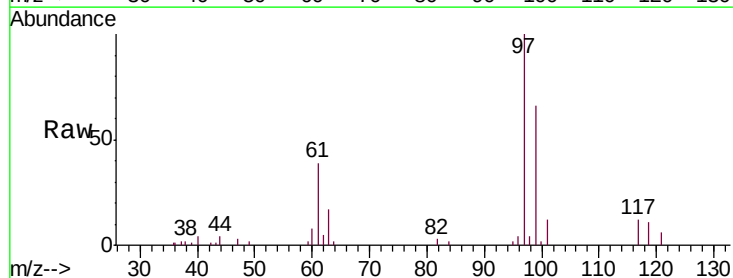
Tgt Ion: 97 Resp: 21966

Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

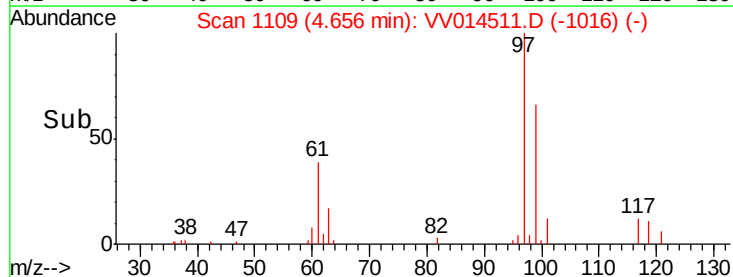
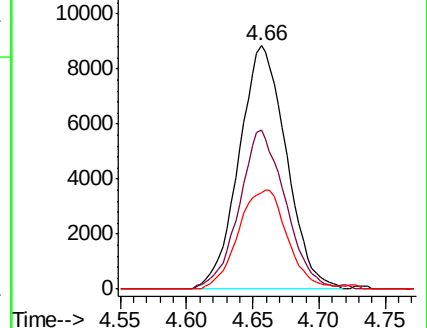
61 42.3 33.0 49.4

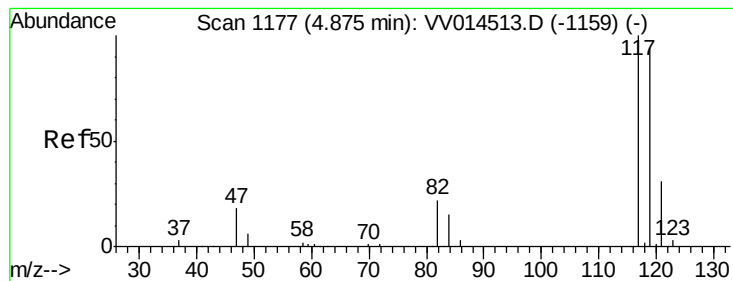


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.019 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

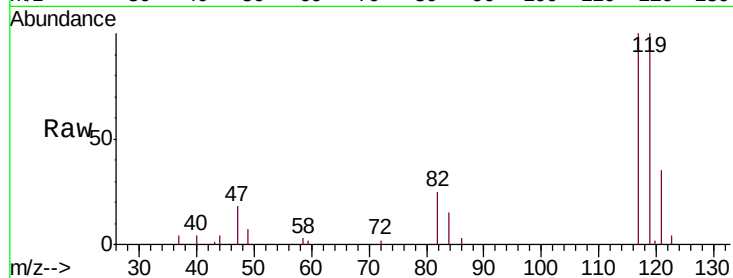
VSTD005201

Tgt Ion:117 Resp: 19389

Ion Ratio Lower Upper

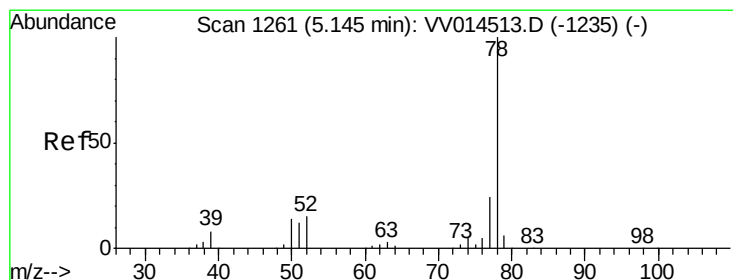
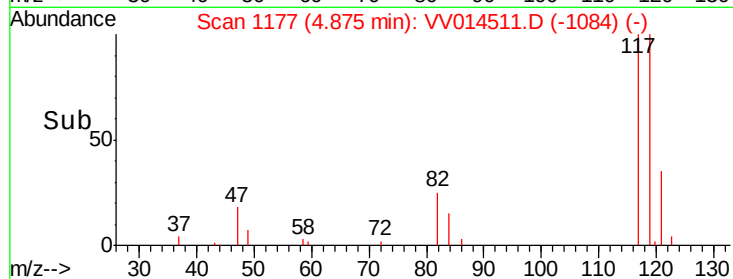
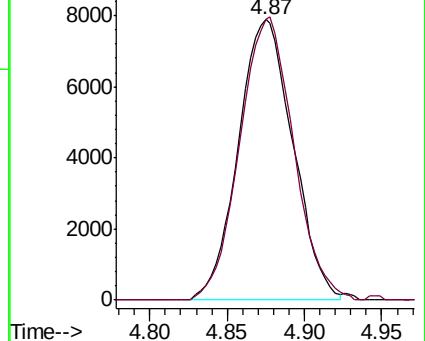
117 100

119 99.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.928 ug/L

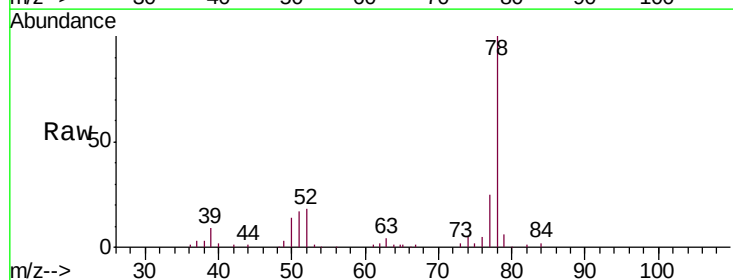
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

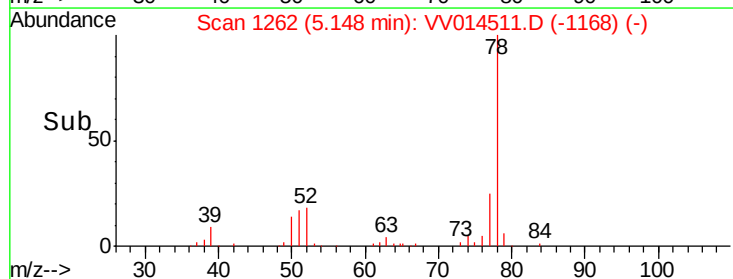
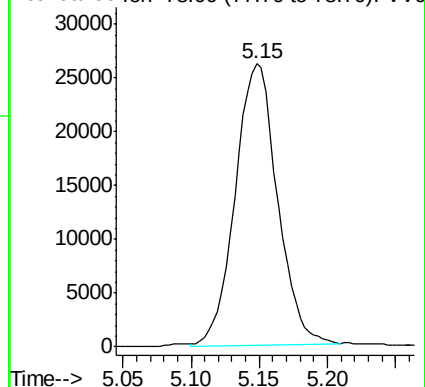
Lab File: VV014511.D

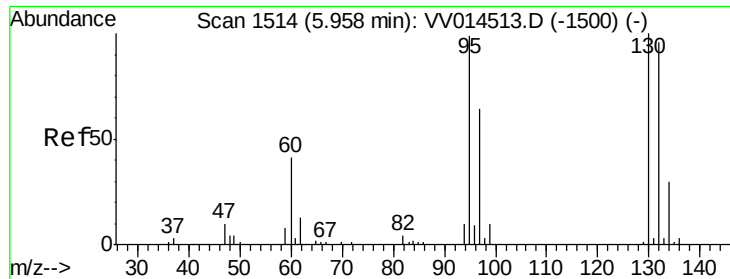
Acq: 06 Feb 2020 10:03

Tgt Ion: 78 Resp: 56307



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.992 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

Tgt Ion: 95 Resp: 15551

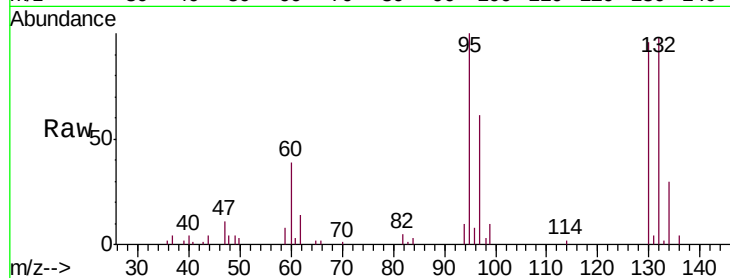
Ion Ratio Lower Upper

95 100

97 61.0 45.1 83.7

132 97.9 67.7 125.7

130 96.0 70.5 130.9

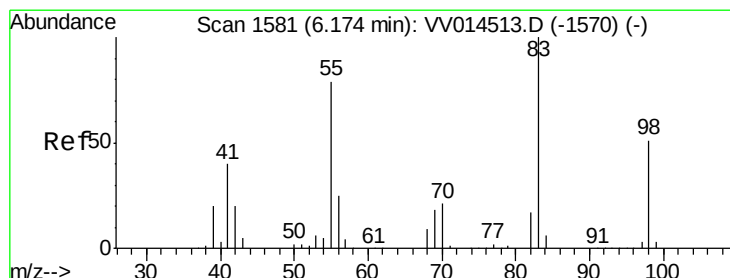
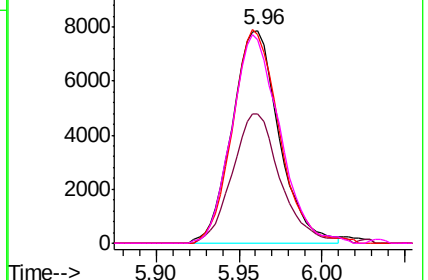
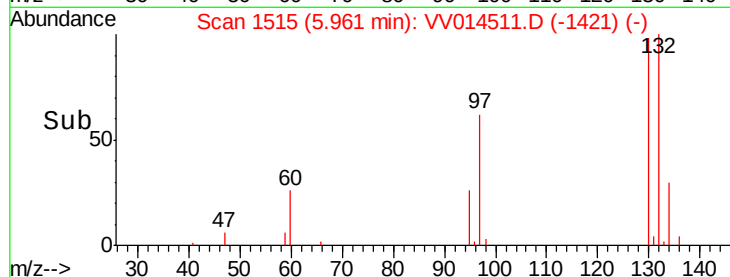


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 6.658 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

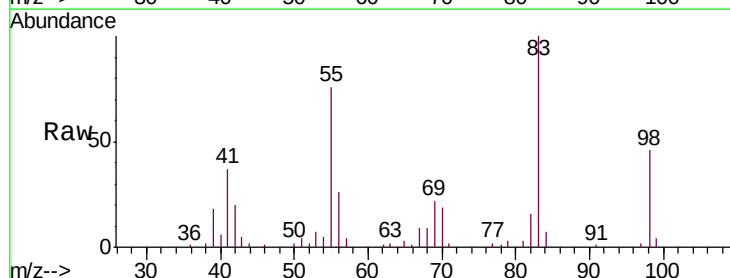
Tgt Ion: 83 Resp: 26267

Ion Ratio Lower Upper

83 100

55 74.7 60.7 91.1

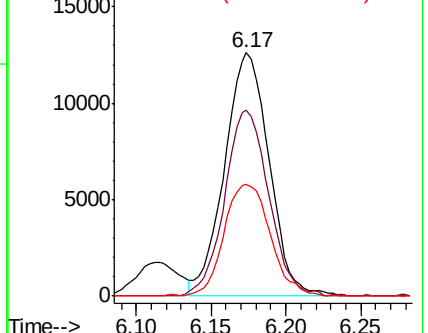
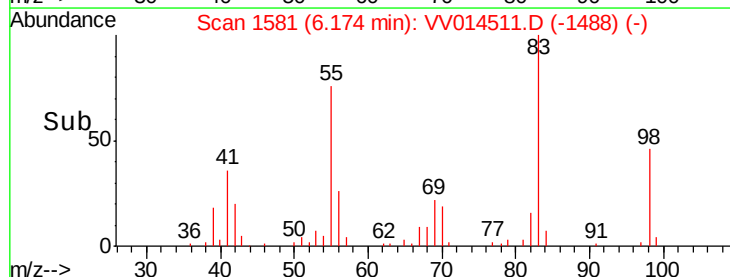
98 47.4 39.4 59.0

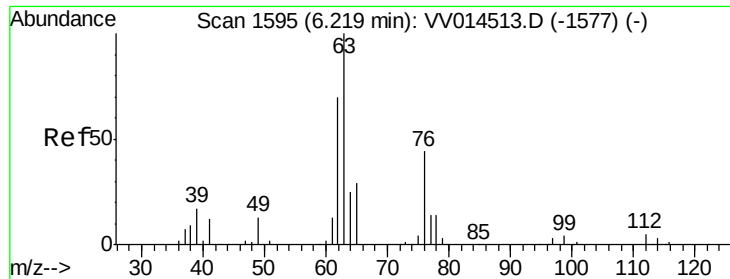


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

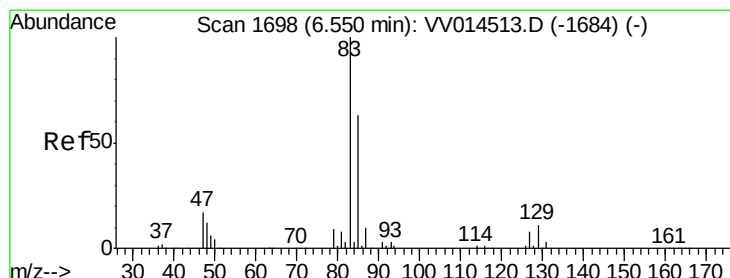
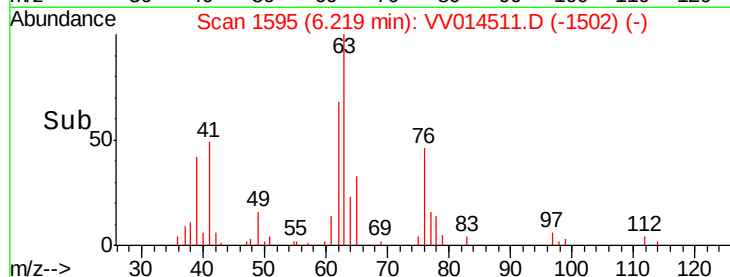
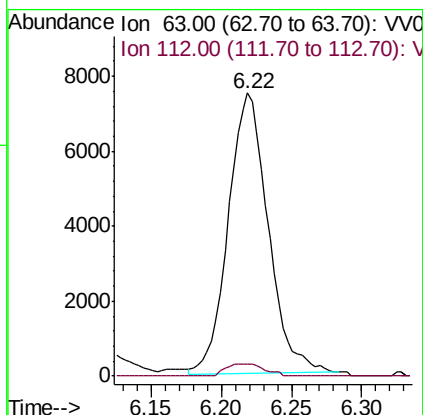
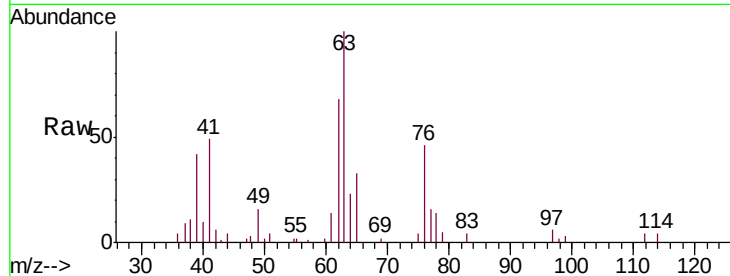




#37
 1,2-Dichloropropane
 Concen: 6.341 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

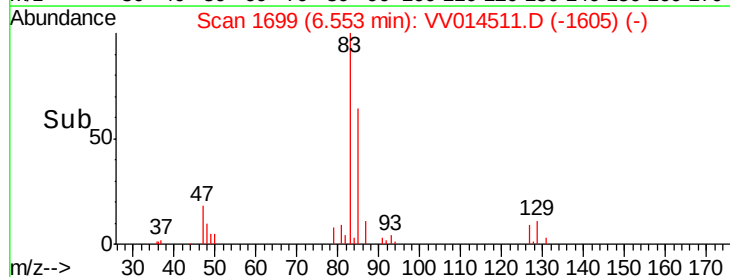
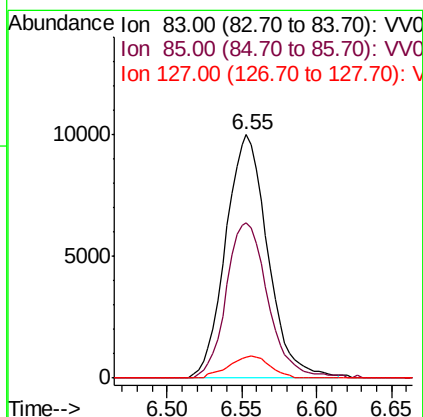
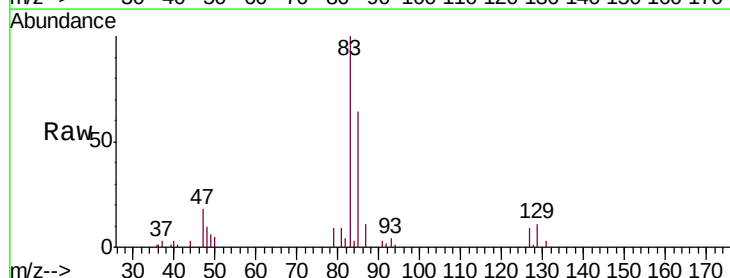
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

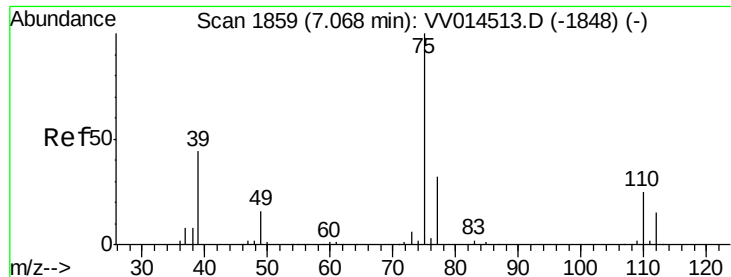
Tgt Ion: 63 Resp: 14804
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.544 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion: 83 Resp: 19634
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.4
 127 8.6 6.7 10.1

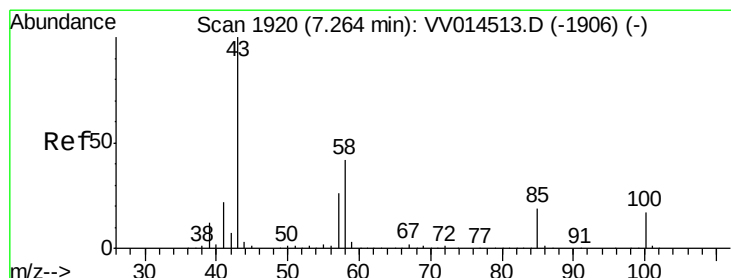
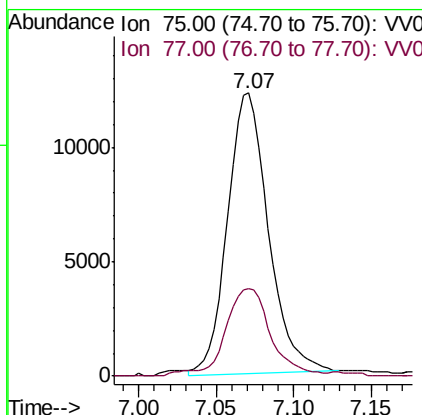
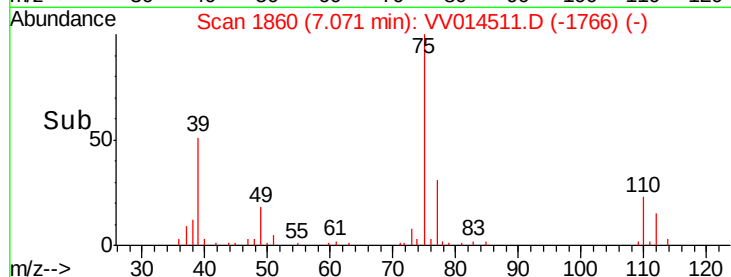
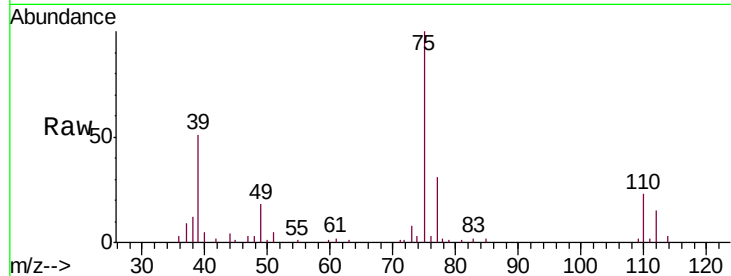




#39
 cis-1,3-Dichloropropene
 Concen: 5.521 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

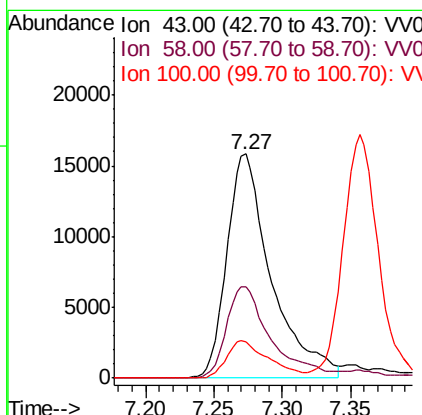
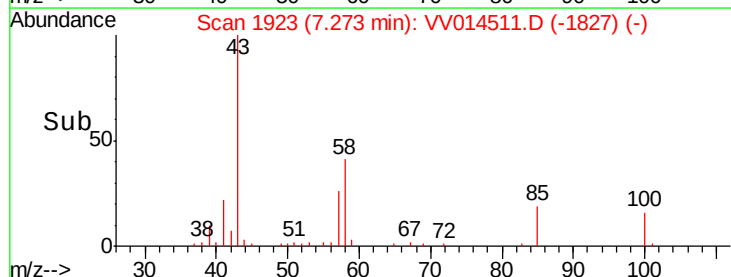
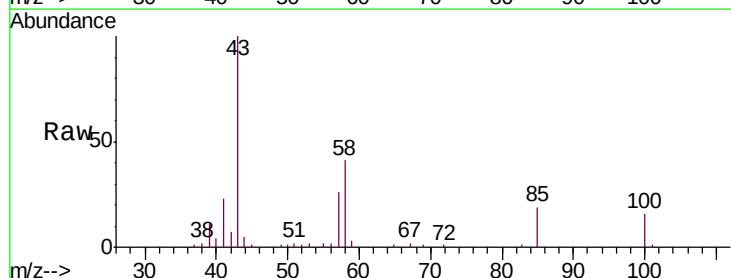
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

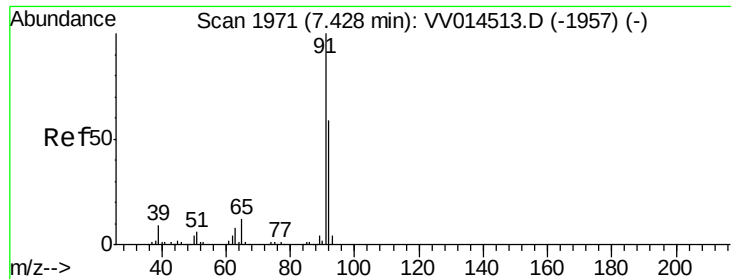
Tgt Ion: 75 Resp: 22516
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 11.822 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion: 43 Resp: 35844
 Ion Ratio Lower Upper
 43 100
 58 40.1 33.2 49.8
 100 16.1 13.9 20.9





#42

Toluene

Concen: 6.014 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

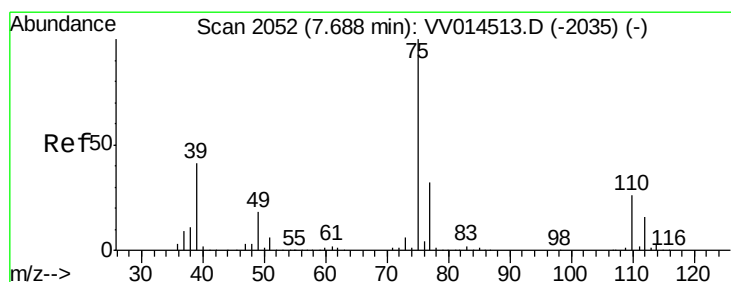
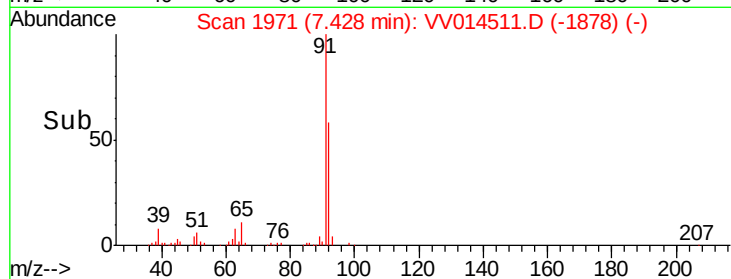
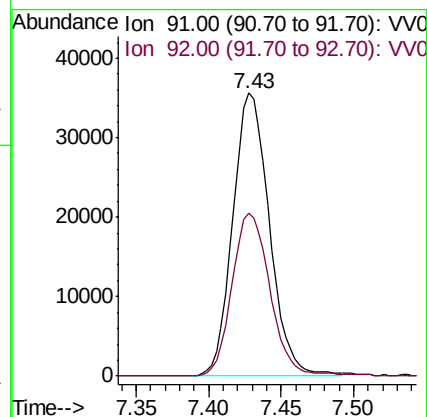
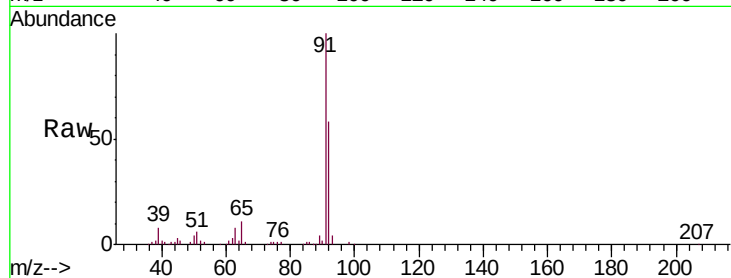
VSTD005201

Tgt Ion: 91 Resp: 62610

Ion Ratio Lower Upper

91 100

92 57.6 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 5.551 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014511.D

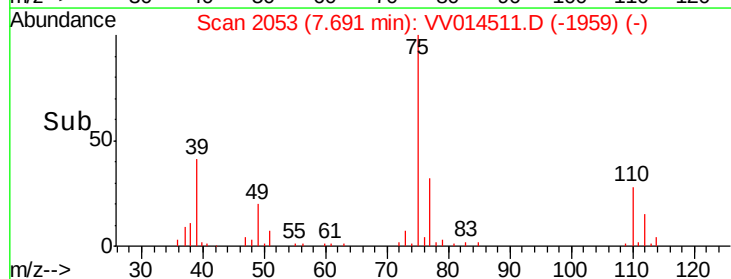
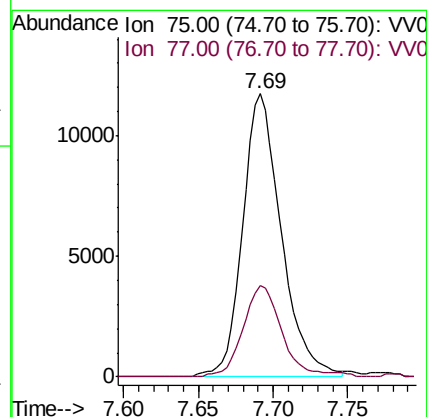
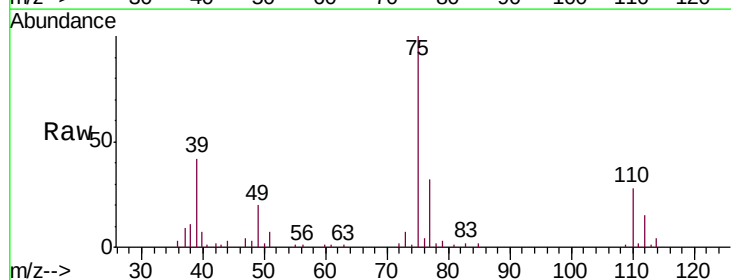
Acq: 06 Feb 2020 10:03

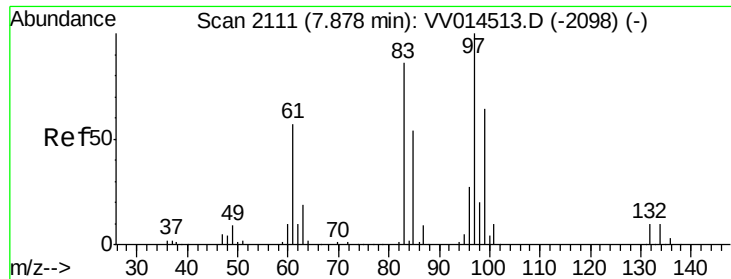
Tgt Ion: 75 Resp: 21081

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2

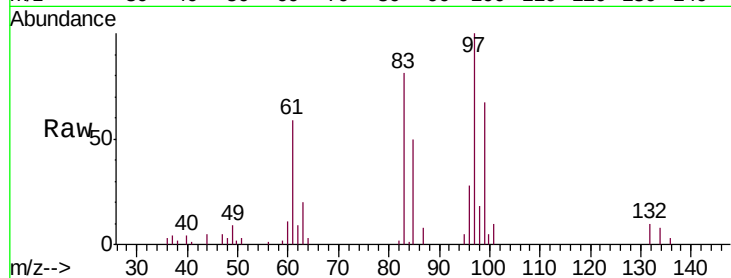




#45
 1,1,2-Trichloroethane
 Concen: 5.854 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

Tgt Ion:	97	Resp:	14366
Ion	Ratio	Lower	Upper
97	100		
99	67.3	44.5	82.7
83	81.3	60.1	111.5
85	49.7	38.1	70.9



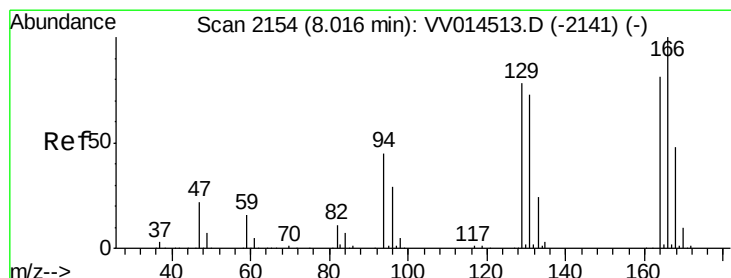
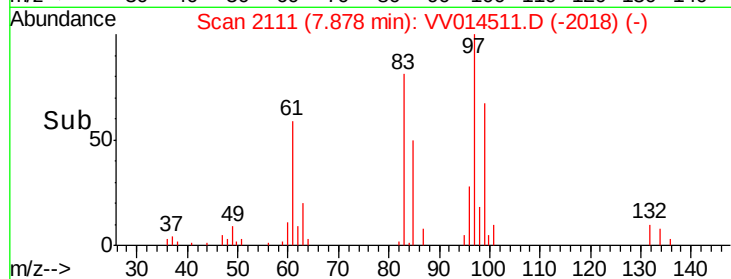
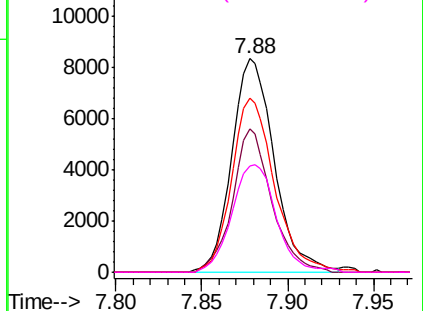
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

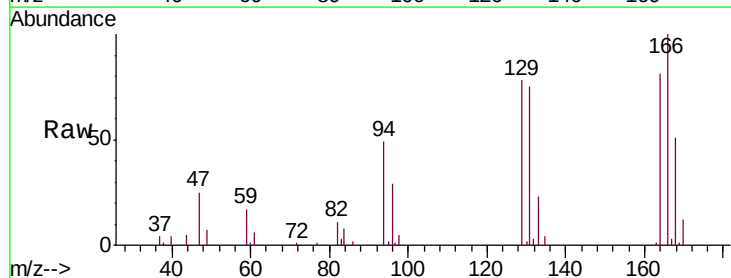
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 5.152 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion:	164	Resp:	12020
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.0	126.4
131	92.0	63.4	117.8
166	122.9	86.9	161.3



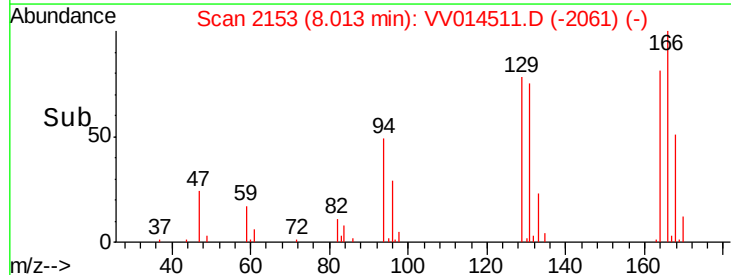
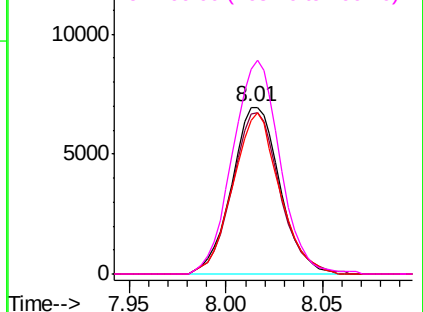
Abundance

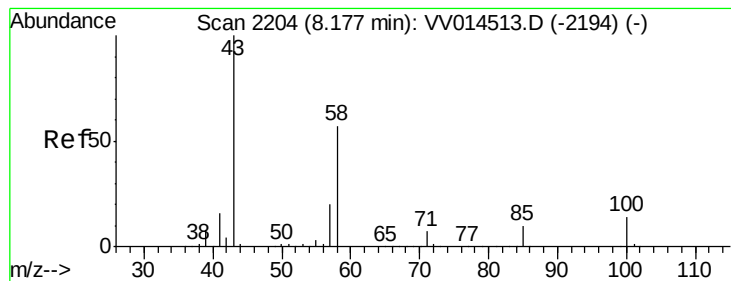
Ion 164.00 (163.70 to 164.70): V

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: 11.629 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

Tgt Ion: 43 Resp: 26914

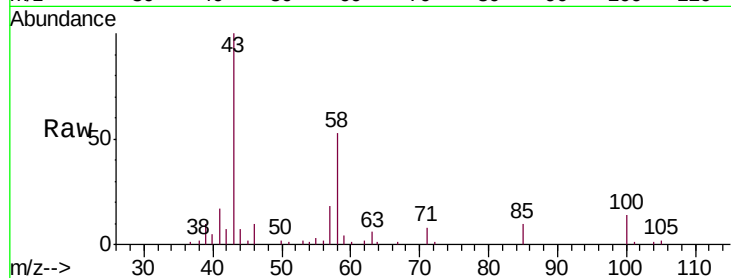
Ion Ratio Lower Upper

43 100

58 56.6 45.5 68.3

57 16.5 15.8 23.6

100 11.5 10.8 16.2

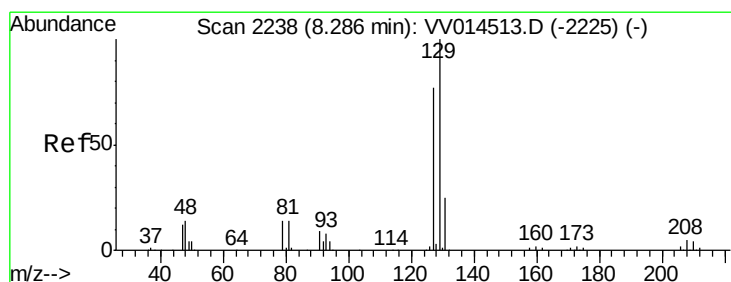
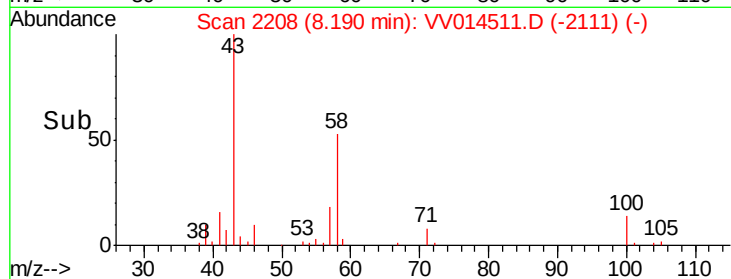
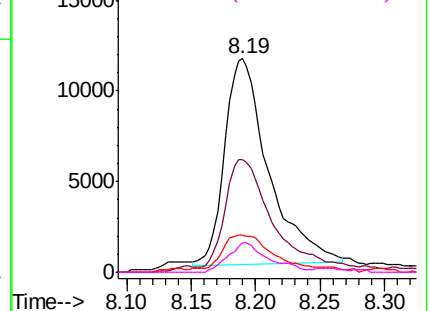


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 5.002 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014511.D

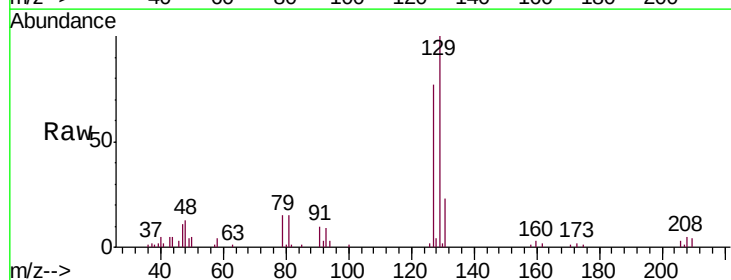
Acq: 06 Feb 2020 10:03

Tgt Ion: 129 Resp: 15448

Ion Ratio Lower Upper

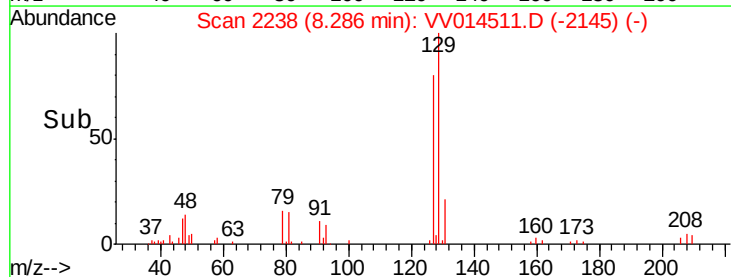
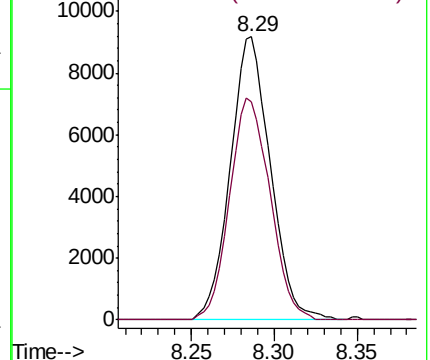
129 100

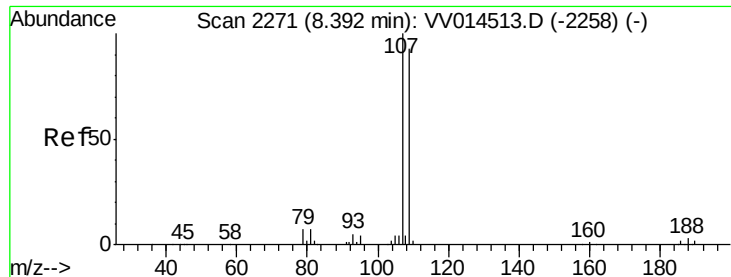
127 77.2 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

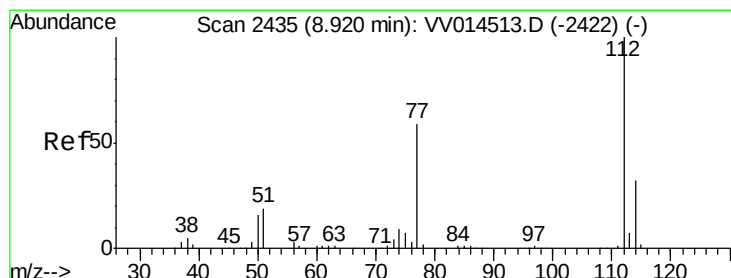
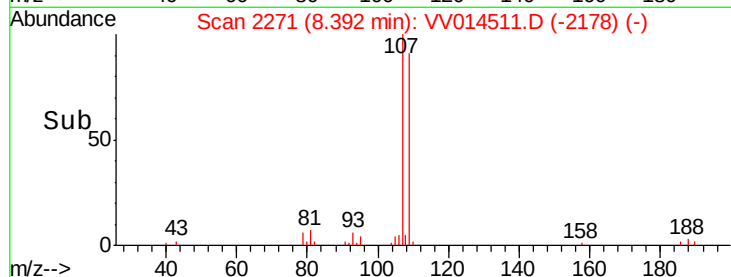
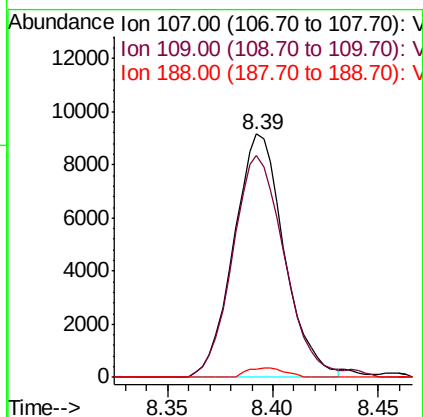
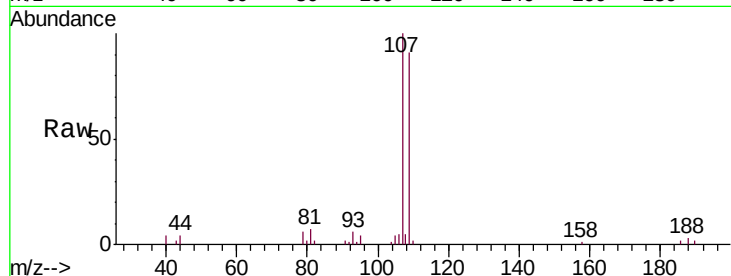




#50
1,2-Dibromoethane
Concen: 5.622 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

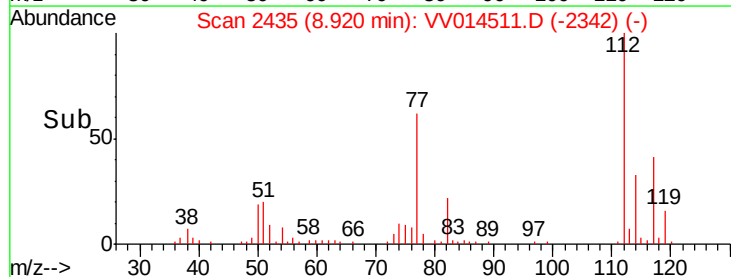
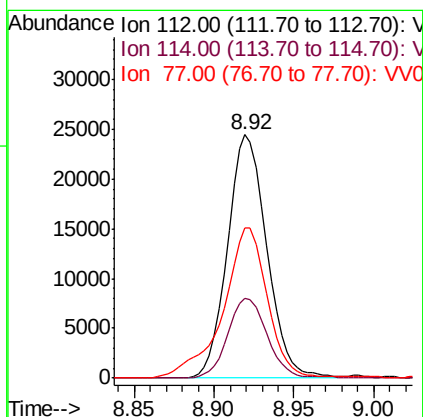
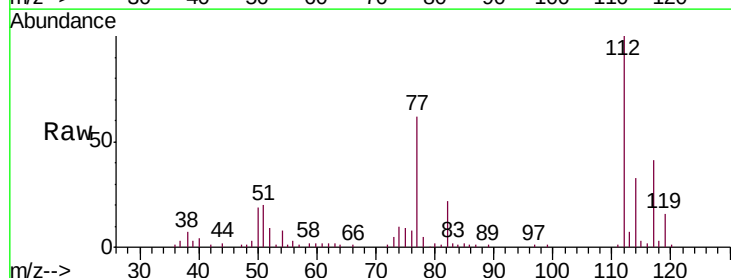
Instrument :
MSVOA_V
ClientSampleId :
VSTD005201

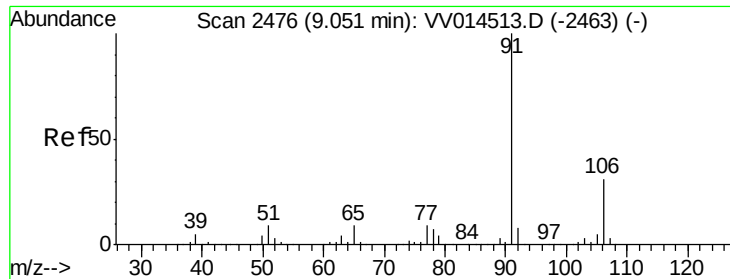
Tgt Ion:107 Resp: 15219
Ion Ratio Lower Upper
107 100
109 91.0 65.2 121.2
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.860 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

Tgt Ion:112 Resp: 40895
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.5
77 61.7 47.3 70.9





#52

Ethylbenzene

Concen: 5.931 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

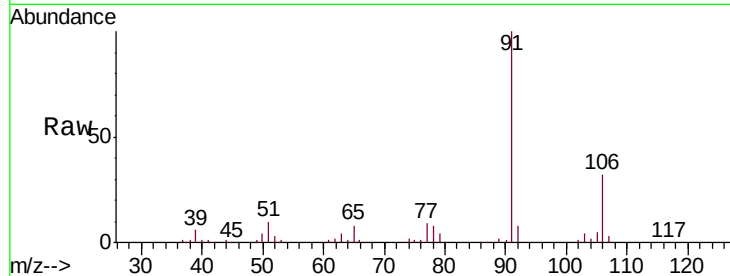
VSTD005201

Tgt Ion: 91 Resp: 69465

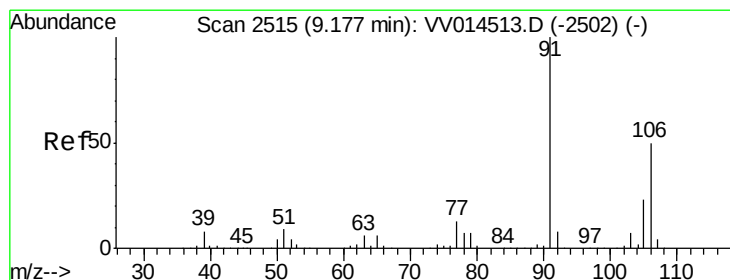
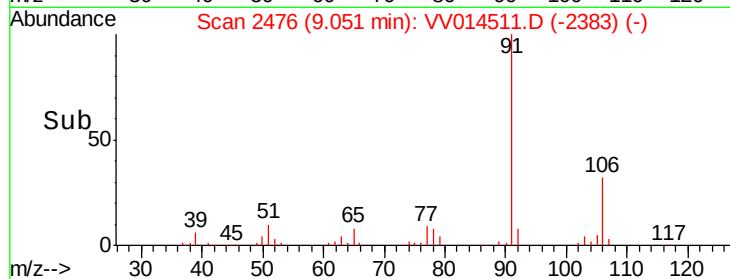
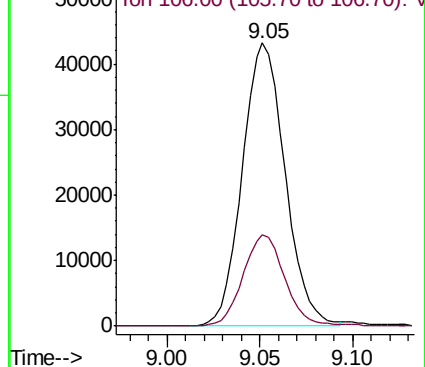
Ion Ratio Lower Upper

91 100

106 32.2 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014511.D (-2383) (-)



#53

m,p-Xylene

Concen: 6.099 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014511.D

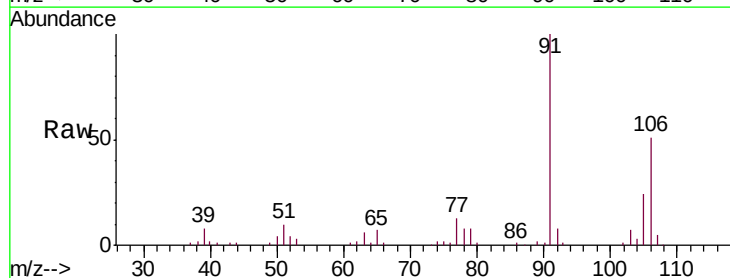
Acq: 06 Feb 2020 10:03

Tgt Ion: 106 Resp: 27437

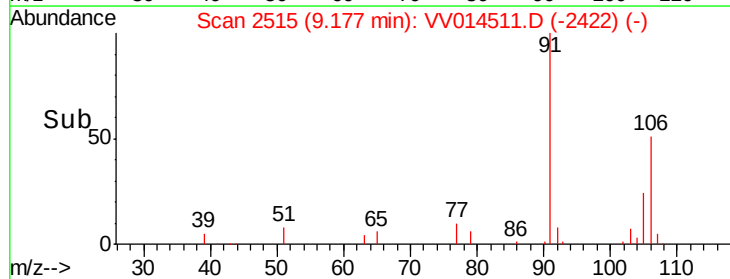
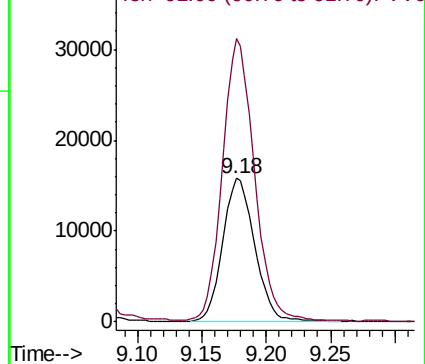
Ion Ratio Lower Upper

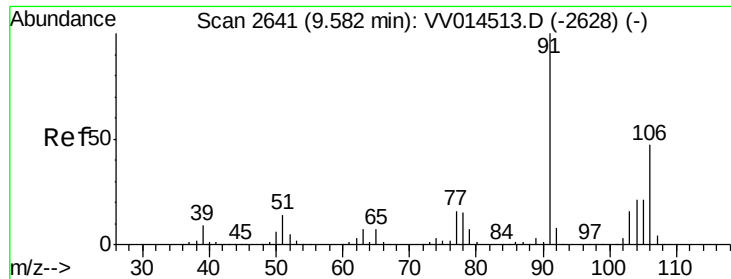
106 100

91 197.5 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014511.D (-2422) (-)





#54

o-Xylene

Concen: 5.877 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

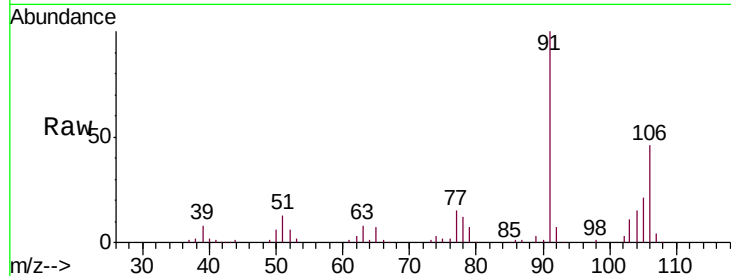
VSTD005201

Tgt Ion:106 Resp: 26079

Ion Ratio Lower Upper

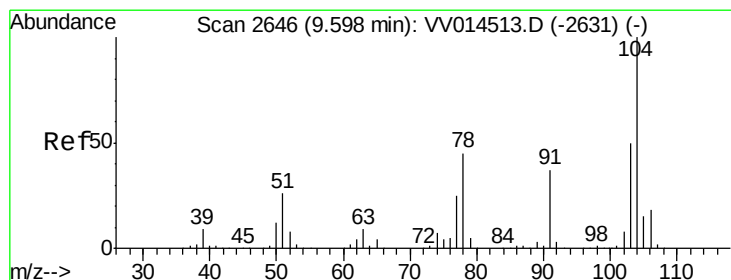
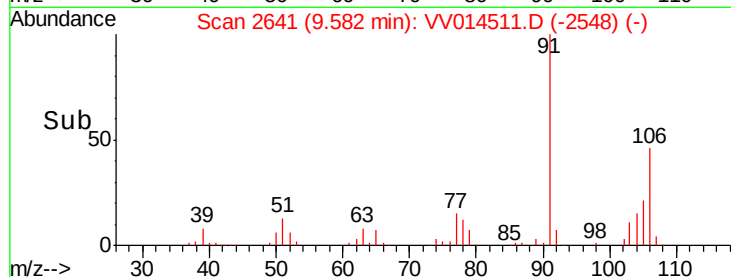
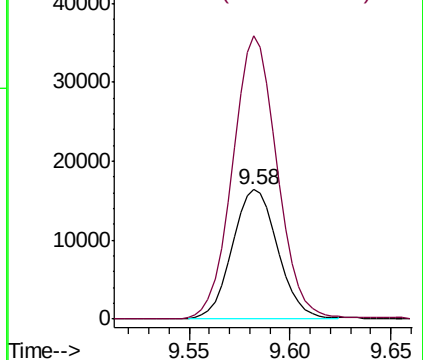
106 100

91 218.4 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.797 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014511.D

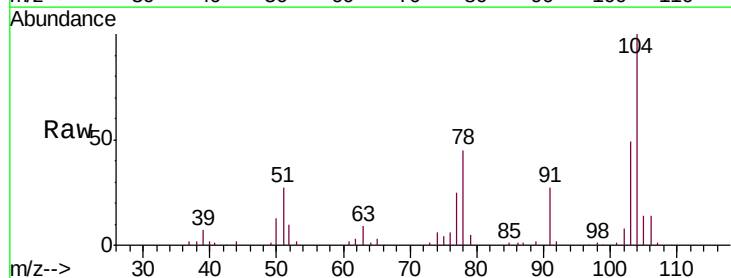
Acq: 06 Feb 2020 10:03

Tgt Ion:104 Resp: 43593

Ion Ratio Lower Upper

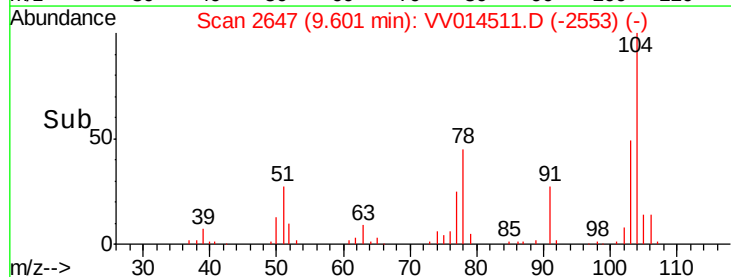
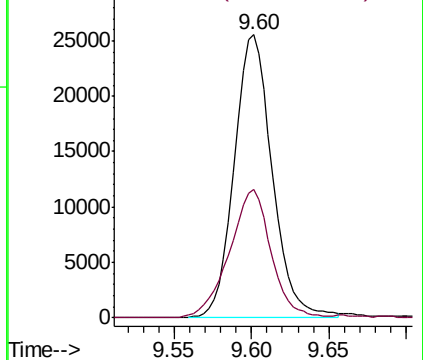
104 100

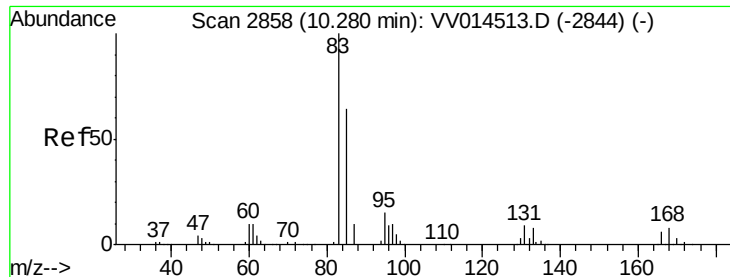
78 45.2 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.645 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

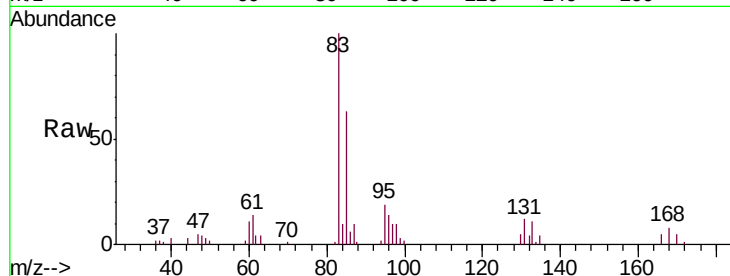
Tgt Ion: 83 Resp: 21454

Ion Ratio Lower Upper

83 100

85 63.3 45.2 84.0

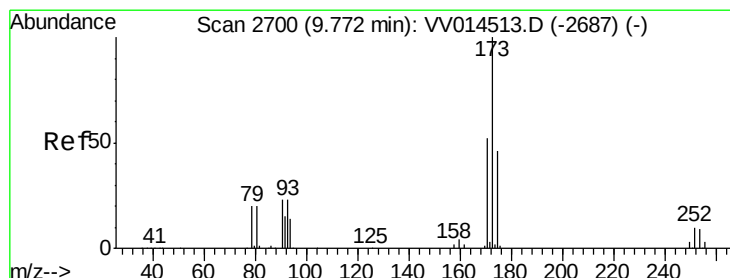
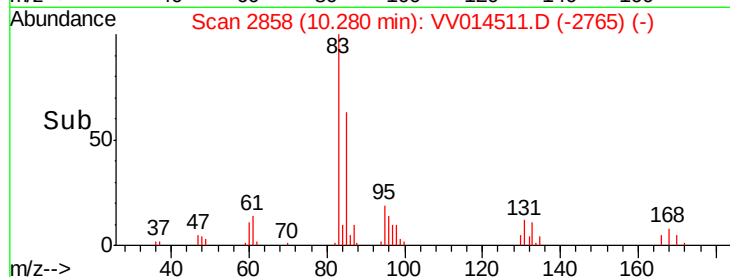
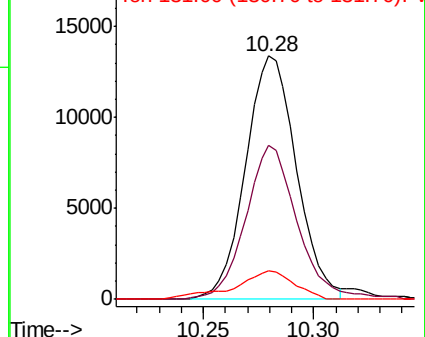
131 11.5 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV014511.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014511.D (-2844) (-)

Ion 131.00 (130.70 to 131.70): VV014511.D (-2844) (-)



#59

Bromoform

Concen: 4.631 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

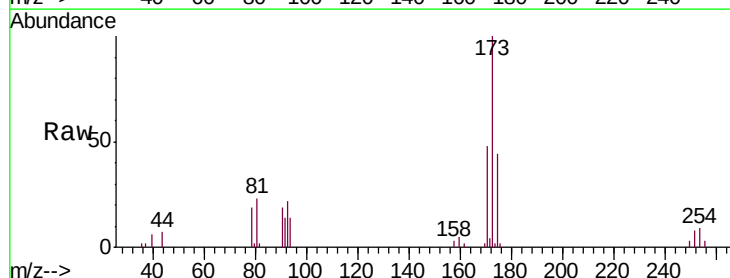
Tgt Ion: 173 Resp: 10562

Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.8

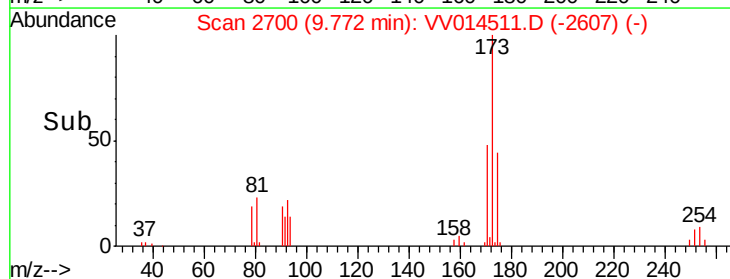
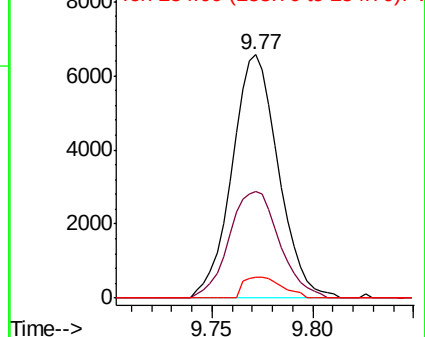
254 7.1 7.0 10.6

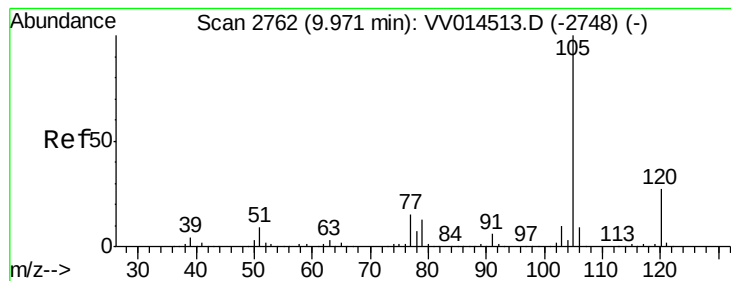


Abundance Ion 173.00 (172.70 to 173.70): VV014511.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV014511.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV014511.D (-2687) (-)





#60

Isopropylbenzene

Concen: 6.059 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD005201

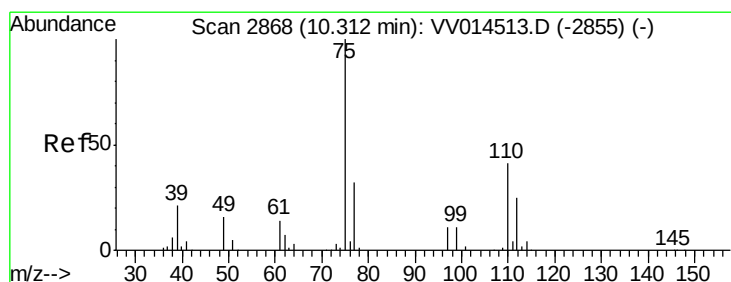
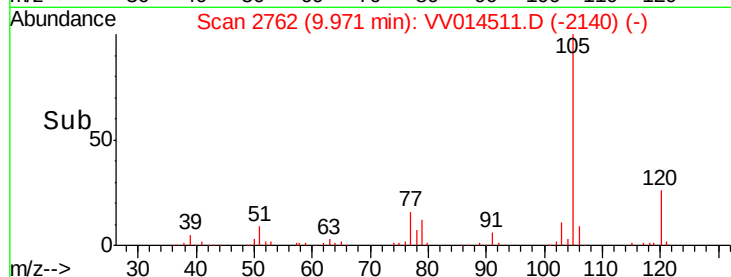
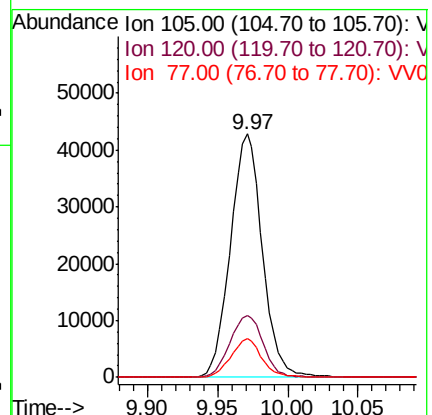
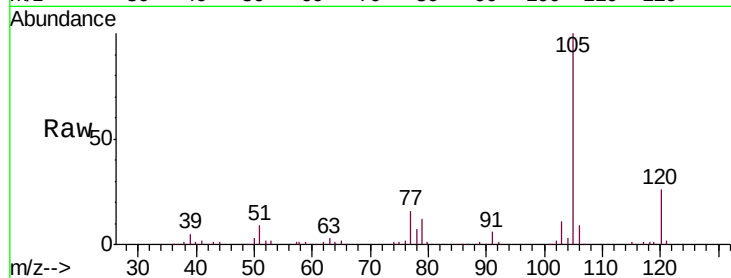
Tgt Ion: 105 Resp: 67782

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

77 15.2 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 6.148 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014511.D

Acq: 06 Feb 2020 10:03

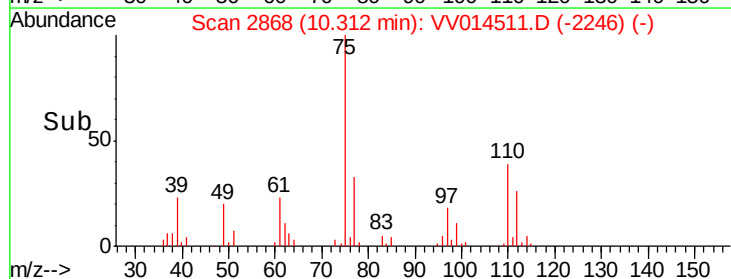
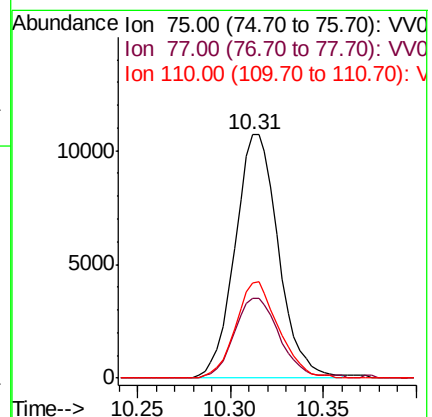
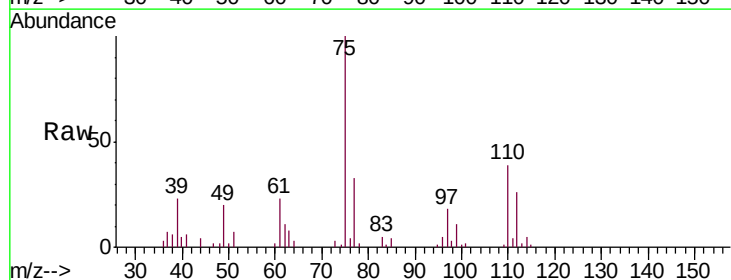
Tgt Ion: 75 Resp: 17459

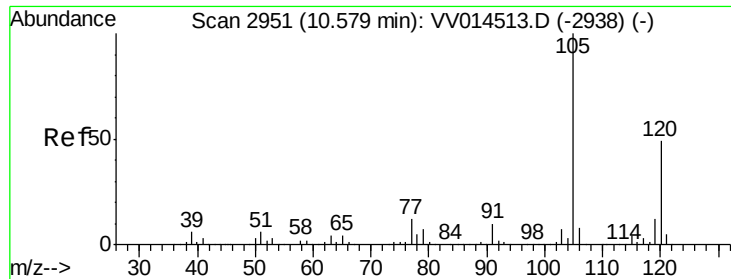
Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.8

110 39.1 32.4 48.6

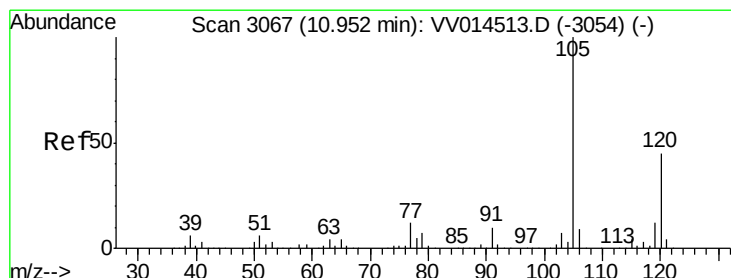
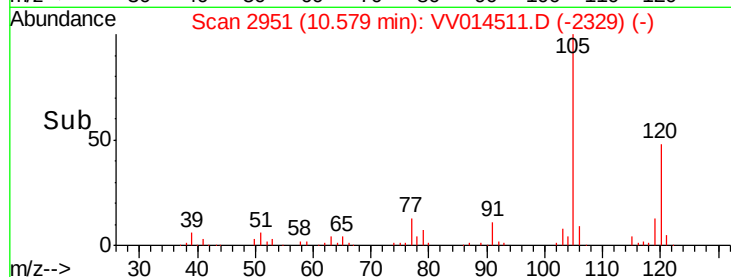
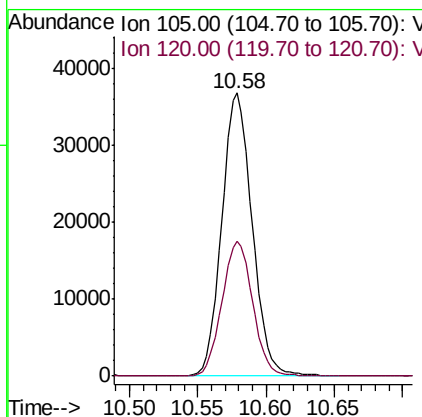
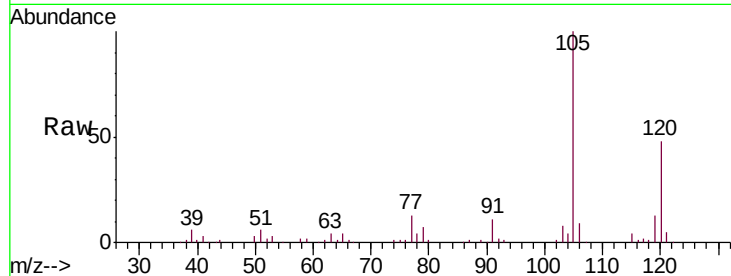




#62
 1,3,5-Trimethylbenzene
 Concen: 5.874 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

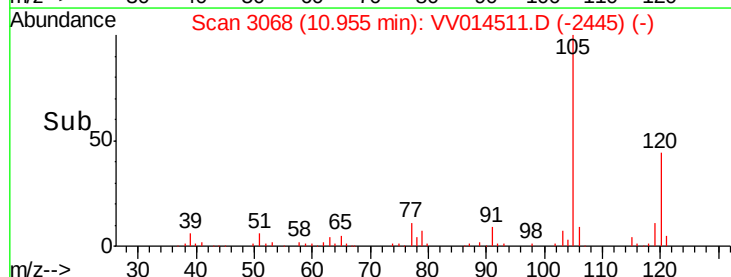
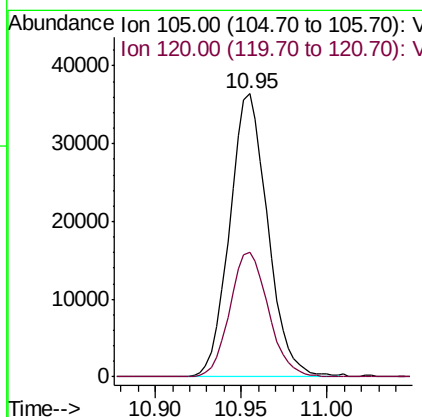
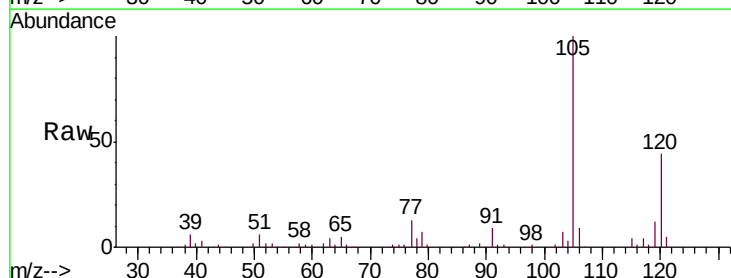
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

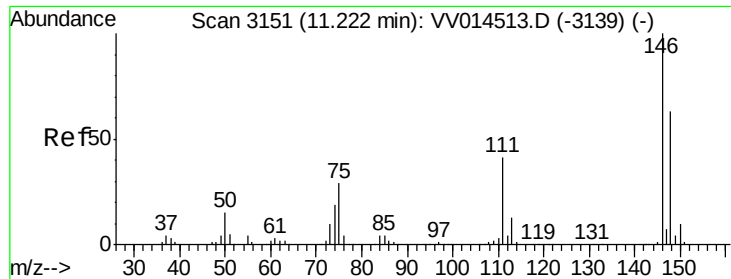
Tgt Ion:105 Resp: 56819
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 5.895 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion:105 Resp: 56377
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.2 54.4

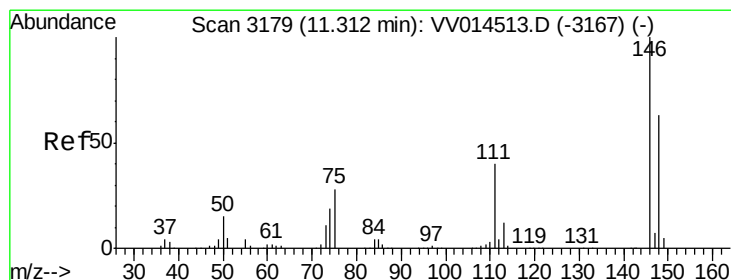
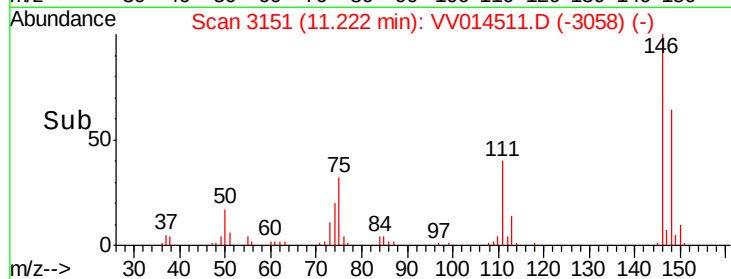
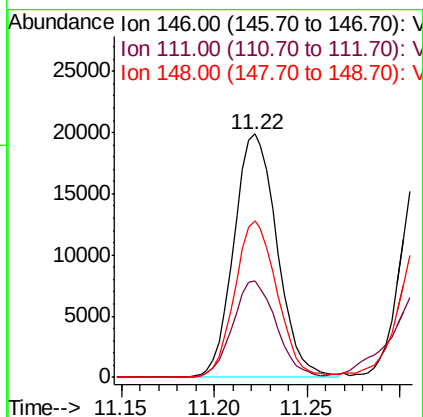
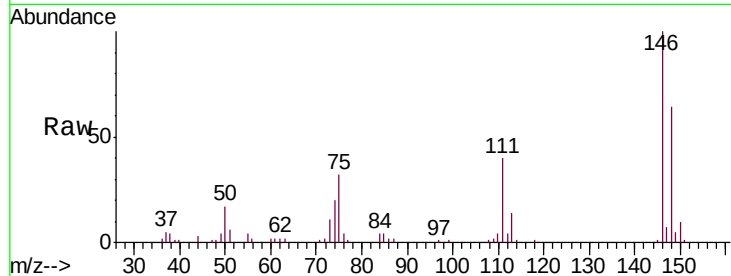




#64
 1,3-Dichlorobenzene
 Concen: 5.774 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

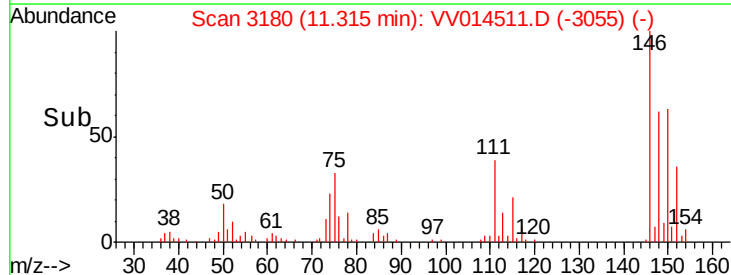
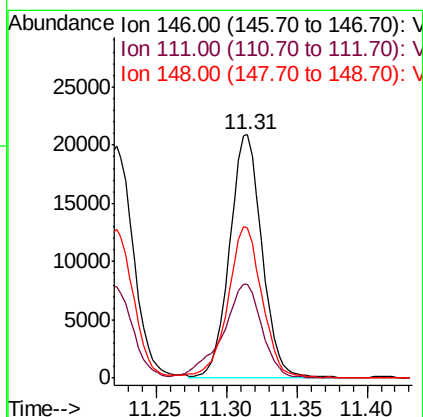
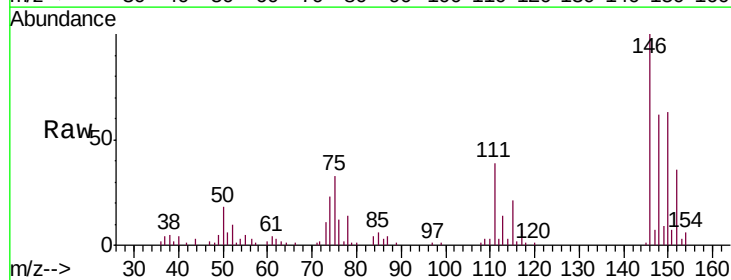
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

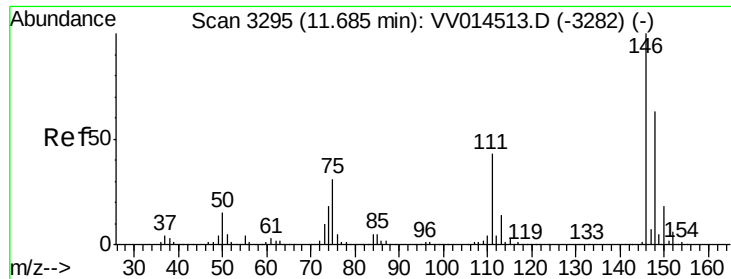
Tgt Ion:146 Resp: 32192
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.9 53.7
 148 64.4 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 5.953 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion:146 Resp: 33693
 Ion Ratio Lower Upper
 146 100
 111 38.5 28.1 52.3
 148 61.6 44.4 82.4

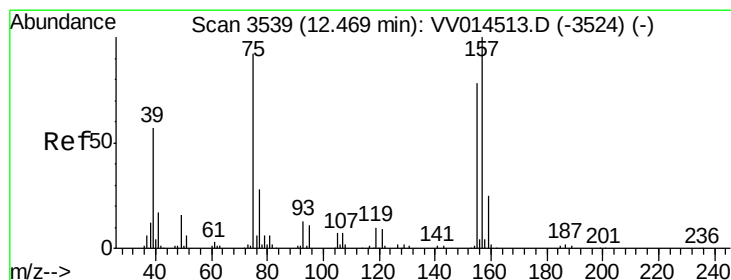
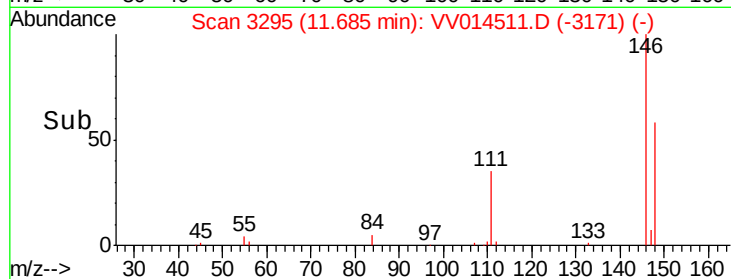
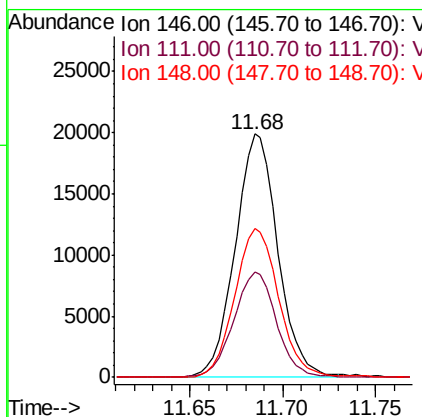
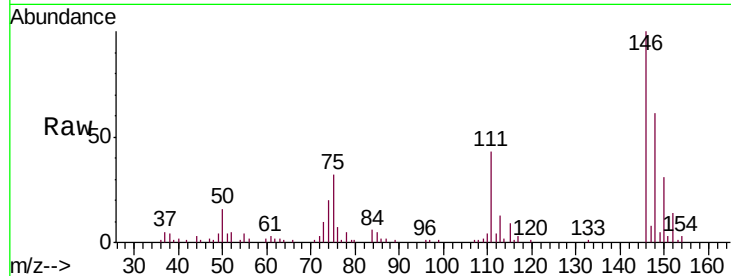




#67
 1,2-Dichlorobenzene
 Concen: 5.662 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

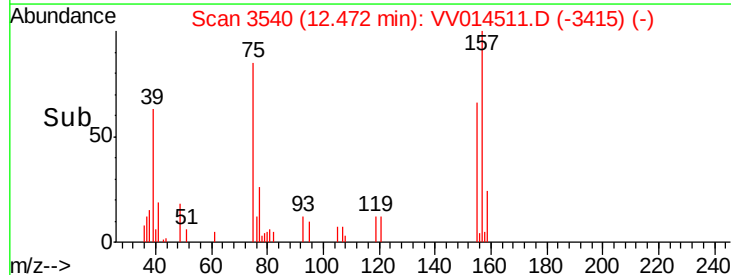
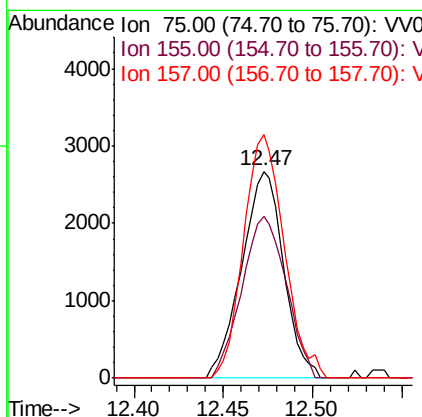
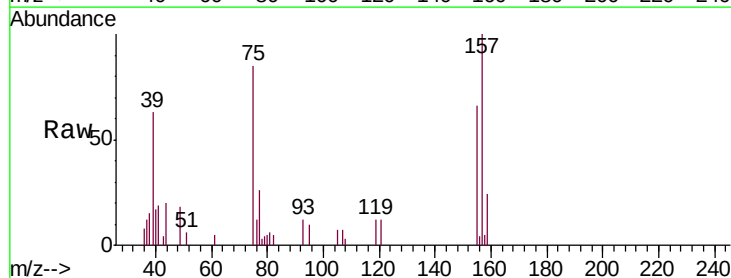
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

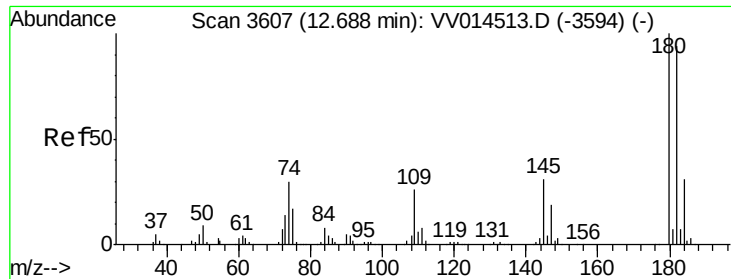
Tgt Ion: 146 Resp: 31827
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 51.8
 148 61.1 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.821 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion: 75 Resp: 4366
 Ion Ratio Lower Upper
 75 100
 155 78.3 68.3 102.5
 157 117.8 87.1 130.7

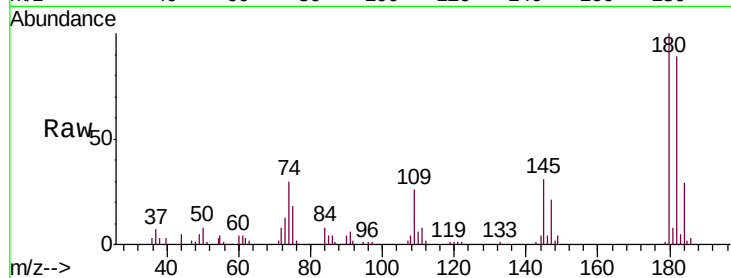




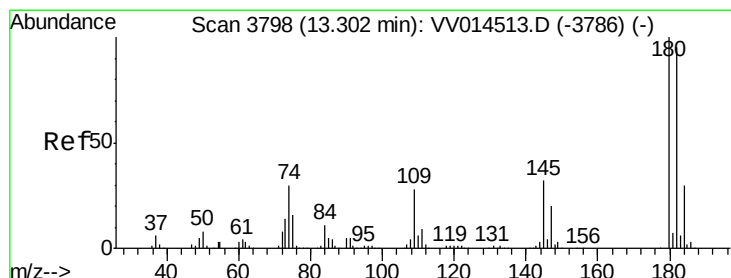
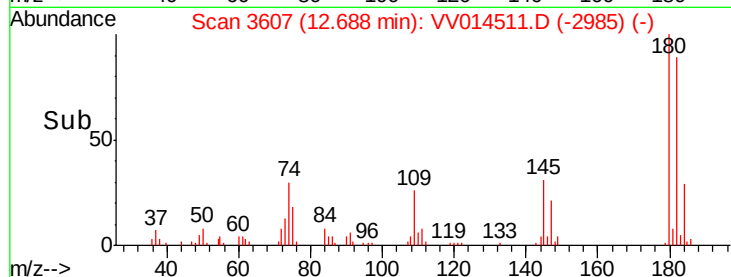
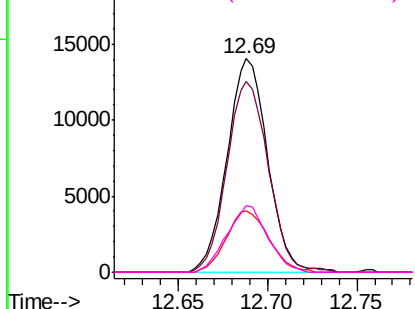
#69
 1,3,5-Trichlorobenzene
 Concen: 5.036 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005201

Tgt Ion:180 Resp: 22080
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.0 112.4
 184 30.4 24.2 36.2
 145 31.4 24.3 36.5

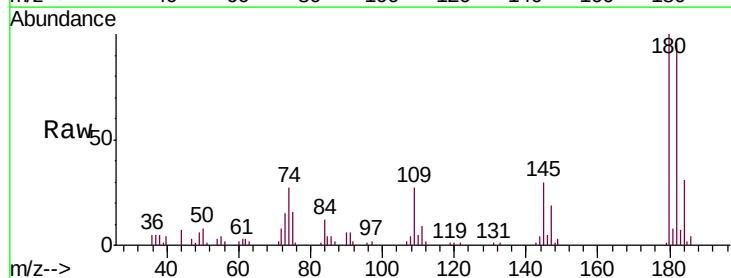


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

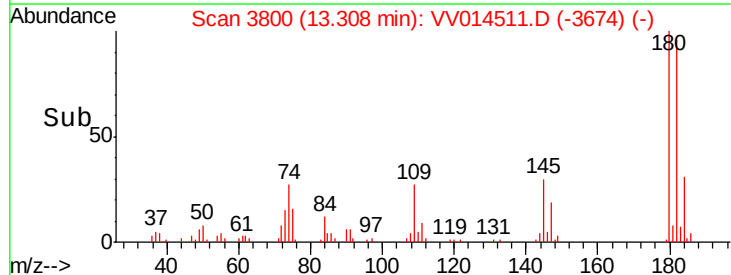
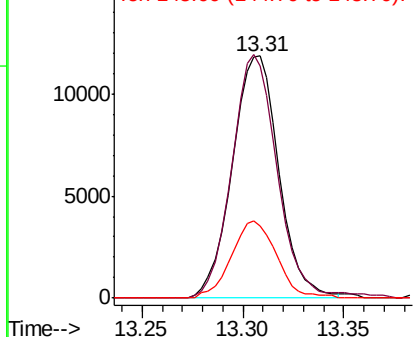


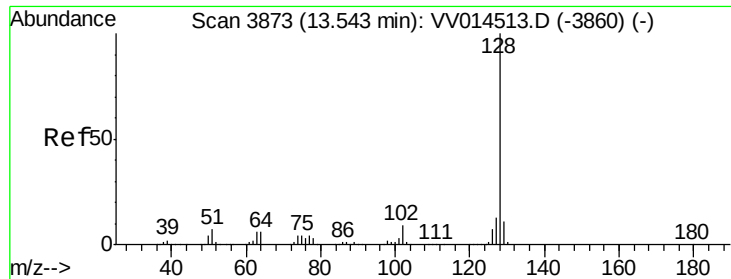
#70
 1,2,4-trichlorobenzene
 Concen: 4.978 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014511.D
 Acq: 06 Feb 2020 10:03

Tgt Ion:180 Resp: 19202
 Ion Ratio Lower Upper
 180 100
 182 98.6 76.0 114.0
 145 30.9 25.3 37.9



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

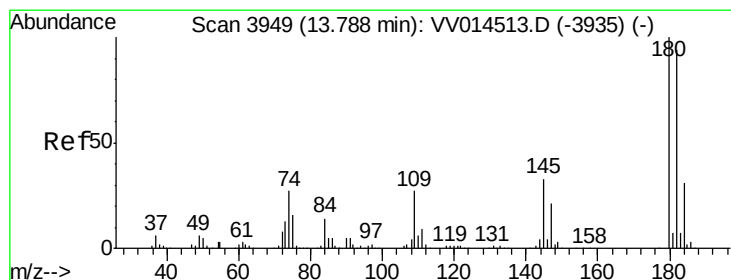
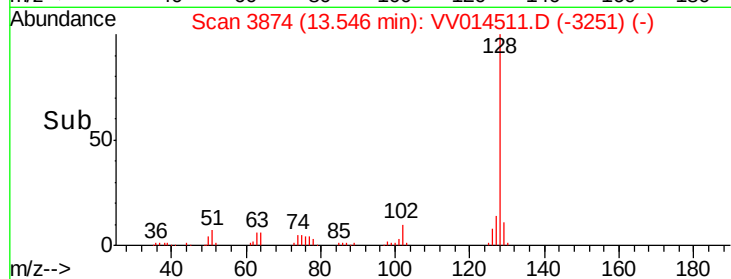
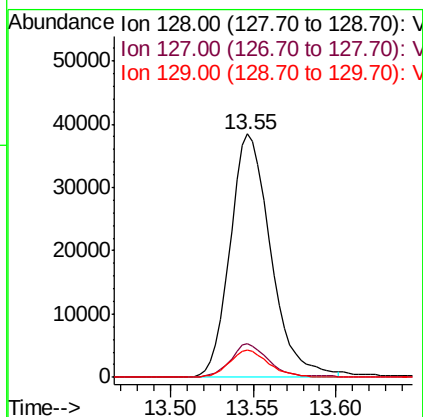
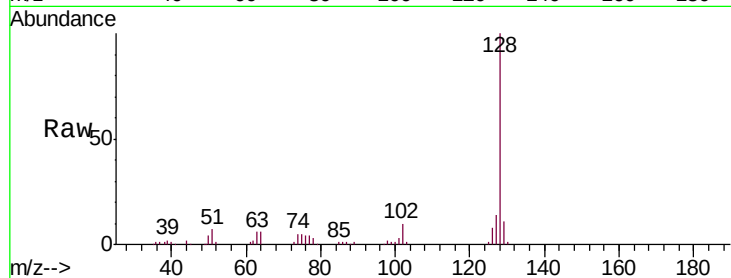




#71
Naphthalene
Concen: 6.364 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD005201

Tgt Ion:128 Resp: 65598
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 4.986 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014511.D
Acq: 06 Feb 2020 10:03

Tgt Ion:180 Resp: 19102
Ion Ratio Lower Upper
180 100
182 95.5 75.2 112.8
145 34.0 27.1 40.7

