

Data File : VV014647.D
Acq On : 21 Feb 2020 12:06
Operator : SY/MD
Sample : VSTD01062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Quant Time: Feb 21 22:31:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	245750	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	229416	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	113655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8936	9.48	ug/L	0.00
7) Chloroethane-d5	1.59	69	6687	9.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17106	10.53	ug/L	0.00
21) 2-Butanone-d5	3.96	46	5177	6.40	ug/L	0.01
24) Chloroform-d	4.40	84	30747	10.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	19056	10.72	ug/L	0.00
32) Benzene-d6	5.10	84	58994	10.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16966	10.06	ug/L	0.00
41) Toluene-d8	7.36	98	57033	10.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8827	9.50	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	13264	19.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	24373	10.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	22681	10.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16736	9.544 ug/L	100
3) Chloromethane	1.25	50	9038	6.296 ug/L	97
5) Vinyl chloride	1.33	62	8628	8.107 ug/L	100
6) Bromomethane	1.54	94	5713	10.539 ug/L	97
8) Chloroethane	1.60	64	4804	8.954 ug/L	96
9) Trichlorofluoromethane	1.77	101	18426	9.596 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7967	9.740 ug/L	98
12) 1,1-Dichloroethene	2.14	96	7329	9.707 ug/L	96
13) Acetone	2.22	43	14926	21.032 ug/L	91
14) Carbon disulfide	2.32	76	32814	9.018 ug/L	99
15) Methyl Acetate	2.47	43	12753	9.975 ug/L	96
16) Methylene chloride	2.54	84	15410	9.739 ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	13809	9.283 ug/L	90
18) Methyl tert-butyl Ether	2.81	73	47969	9.960 ug/L	97
19) 1,1-Dichloroethane	3.23	63	25776	9.861 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	16483	9.565 ug/L	92
22) 2-Butanone	4.05	43	18497	18.207 ug/L	# 73
23) Bromochloromethane	4.30	128	8312	9.826 ug/L	# 91
25) Chloroform	4.43	83	30115	10.304 ug/L	99
27) 1,2-Dichloroethane	5.18	62	21665	10.033 ug/L	99
29) Cyclohexane	4.72	56	20654	9.065 ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	25875	10.227 ug/L	98
31) Carbon tetrachloride	4.87	117	22690	9.941 ug/L	99
33) Benzene	5.15	78	58960	9.805 ug/L	100
34) Trichloroethene	5.96	95	17373	10.616 ug/L	98
35) Methylcyclohexane	6.17	83	22831	8.939 ug/L	97
37) 1,2-Dichloropropane	6.22	63	13702	9.220 ug/L	# 94
38) Bromodichloromethane	6.55	83	21325	9.660 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	24707	9.395 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	35181	19.079 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	63050	9.611	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	21591	9.052	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	14857	9.588	ug/L	97
46) Tetrachloroethene	8.01	164	11973	9.375	ug/L	96
48) 2-Hexanone	8.19	43	27427	18.869	ug/L	98
49) Dibromochloromethane	8.29	129	17563	9.512	ug/L	98
50) 1,2-Dibromoethane	8.39	107	16739	9.979	ug/L	99
51) Chlorobenzene	8.92	112	42663	9.717	ug/L	97
52) Ethylbenzene	9.05	91	71719	9.622	ug/L	97
53) m,p-Xylene	9.18	106	27959	9.582	ug/L	96
54) o-xylene	9.58	106	27380	9.820	ug/L	92
55) Styrene	9.60	104	44128	9.245	ug/L	96
56) Isopropylbenzene	9.97	105	71102	9.576	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	23761	9.744	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	19152	9.896	ug/L	95
61) Bromoform	9.77	173	11405	9.178	ug/L #	95
62) 1,3-Dichlorobenzene	11.22	146	32670	9.461	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	34324	9.806	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	34647	10.182	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	5755	10.244	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	23853	9.542	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	21973	9.508	ug/L	99
69) Naphthalene	13.55	128	71177	9.617	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	22847	10.158	ug/L	97

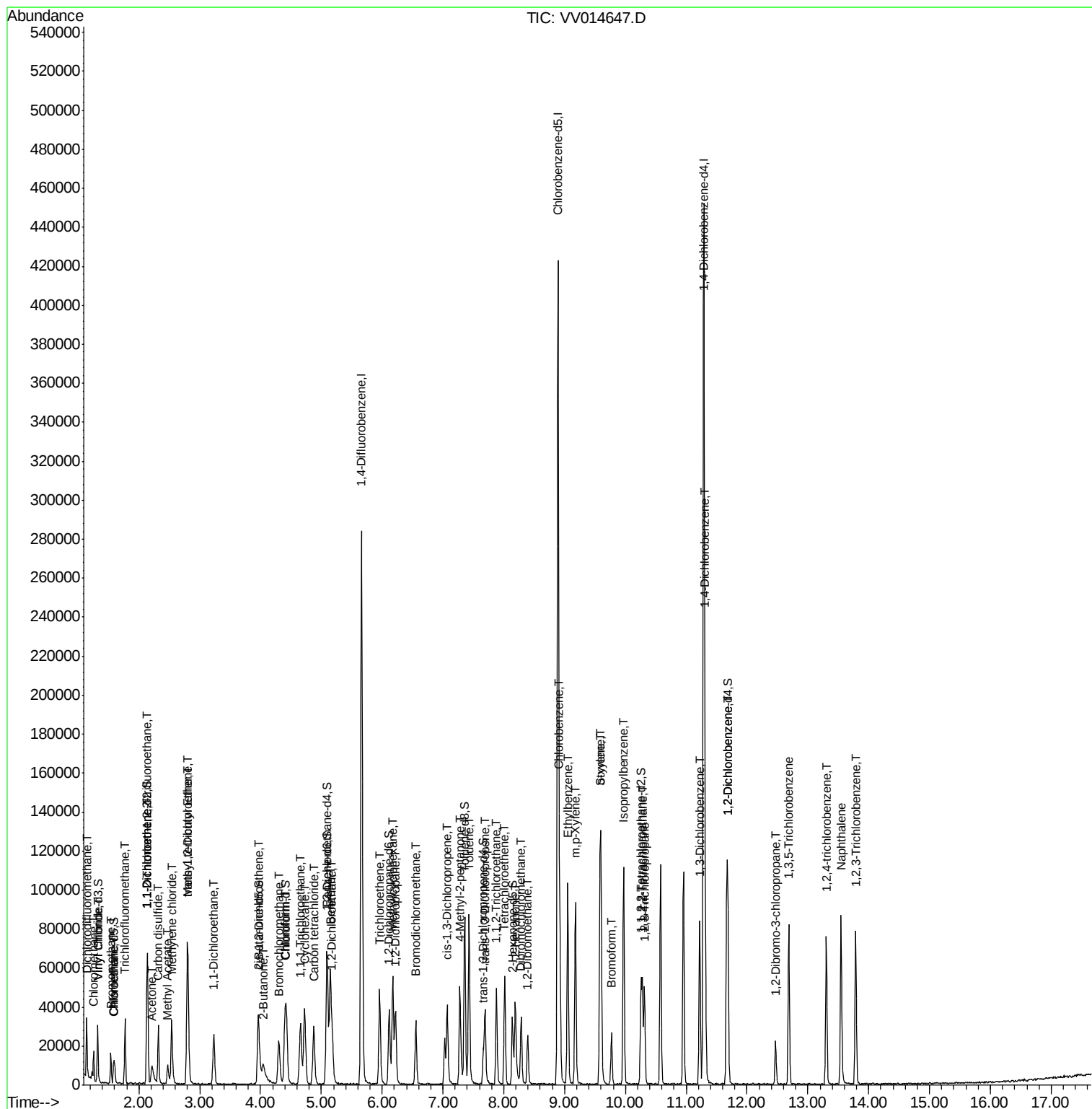
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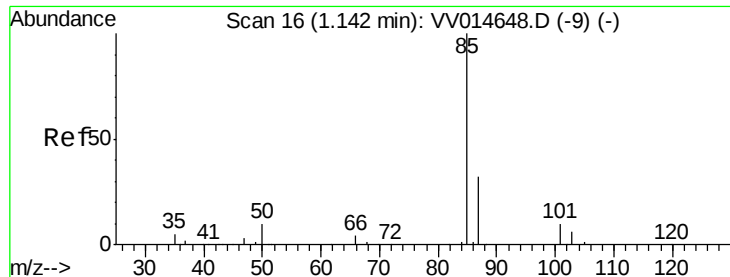
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#2

Dichlorodifluoromethane

Concen: 9.544 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

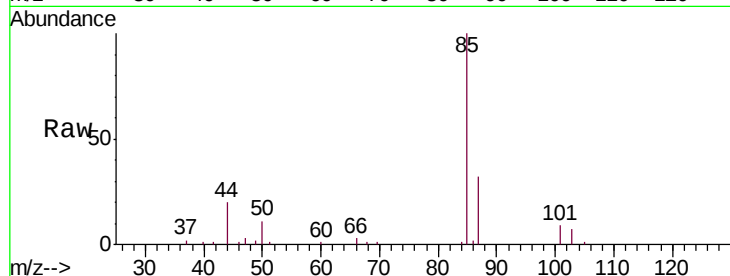
VSTD01062

Tgt Ion: 85 Resp: 16736

Ion Ratio Lower Upper

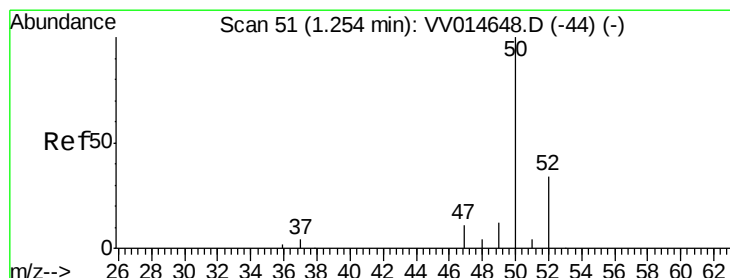
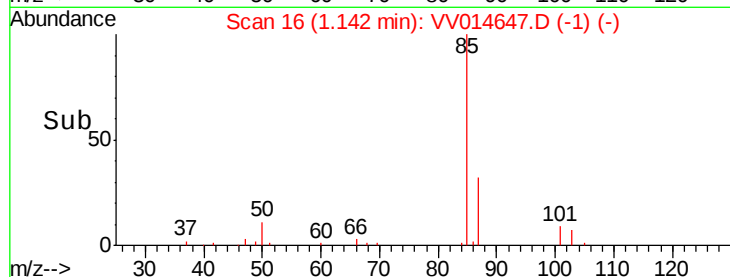
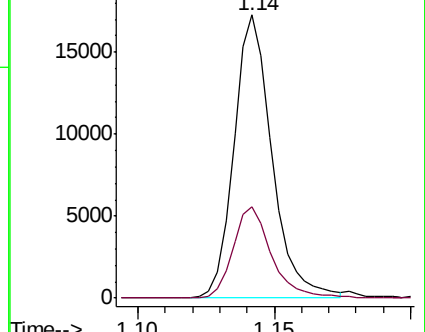
85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014647.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014647.D (-9) (-)



#3

Chloromethane

Concen: 6.296 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014647.D

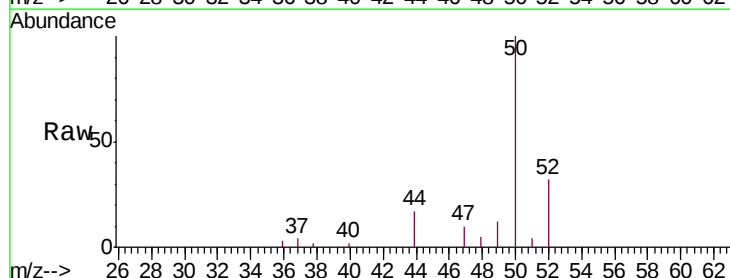
Acq: 21 Feb 2020 12:06

Tgt Ion: 50 Resp: 9038

Ion Ratio Lower Upper

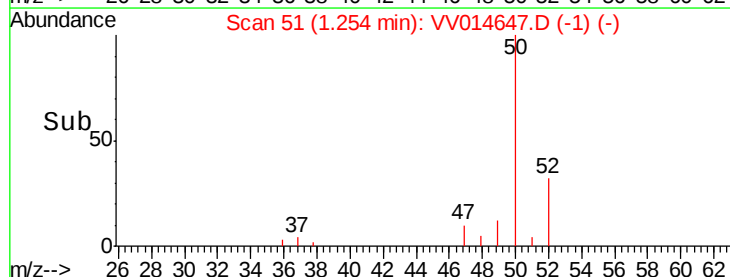
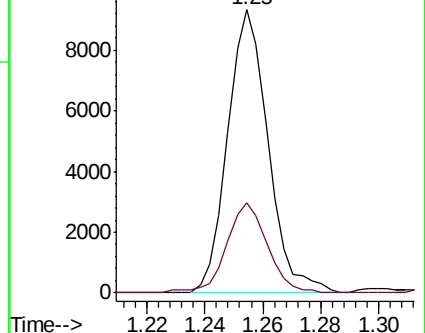
50 100

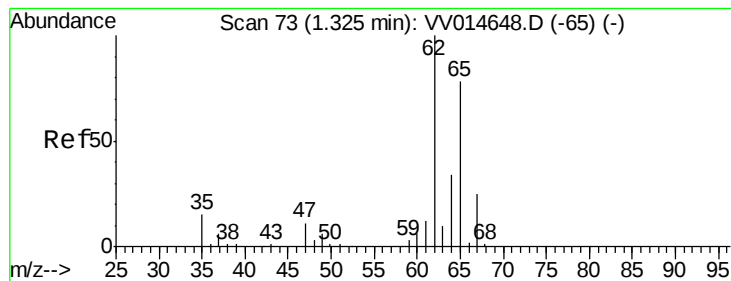
52 31.8 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014647.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014647.D (-44) (-)





#5

Vinyl chloride

Concen: 8.107 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

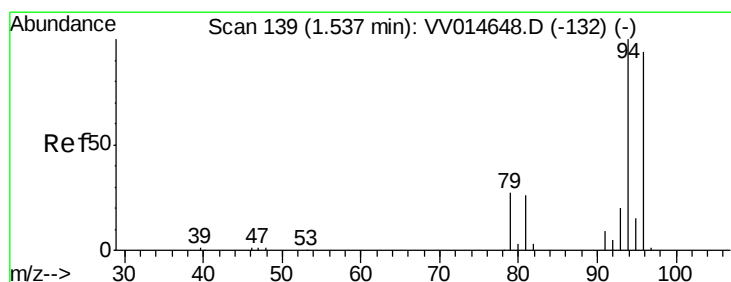
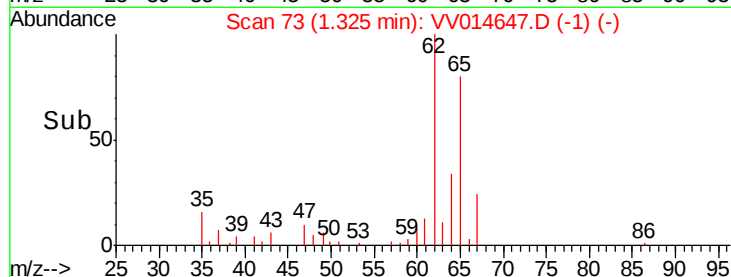
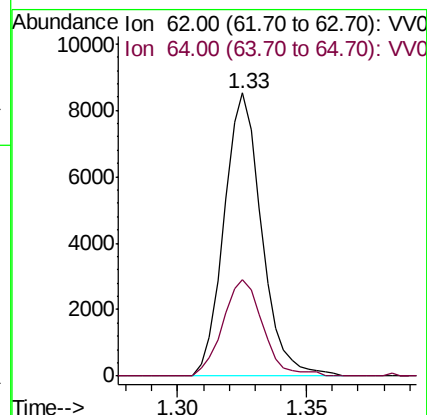
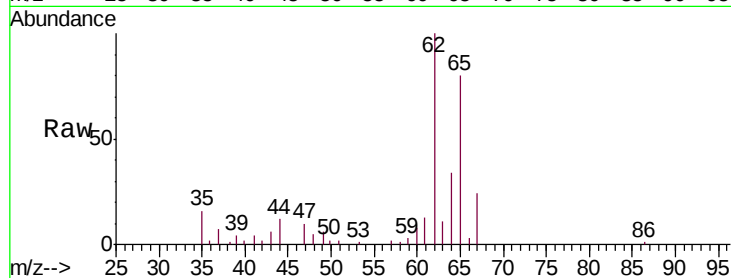
VSTD01062

Tgt Ion: 62 Resp: 8628

Ion Ratio Lower Upper

62 100

64 34.2 23.8 44.2



#6

Bromomethane

Concen: 10.539 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV014647.D

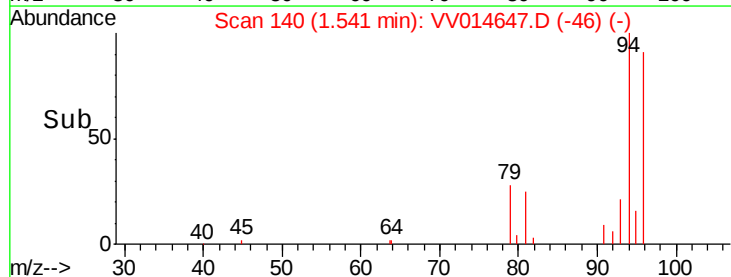
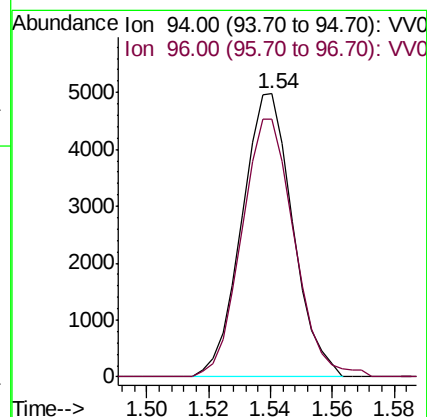
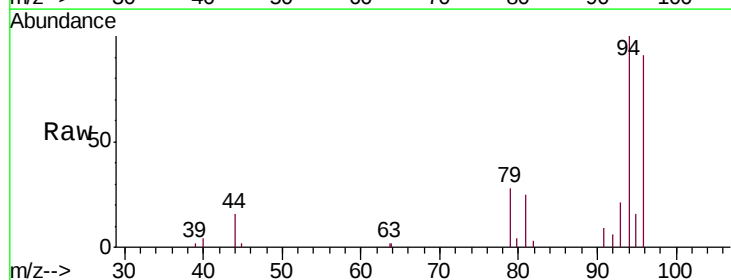
Acq: 21 Feb 2020 12:06

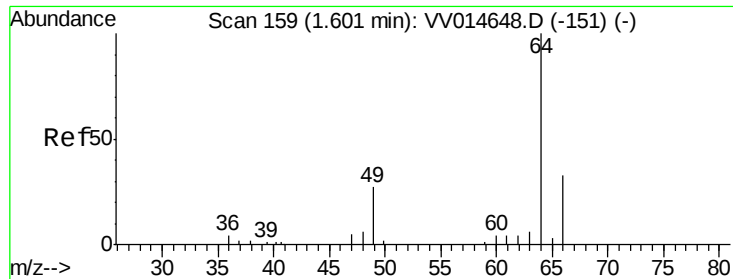
Tgt Ion: 94 Resp: 5713

Ion Ratio Lower Upper

94 100

96 91.2 66.1 122.7

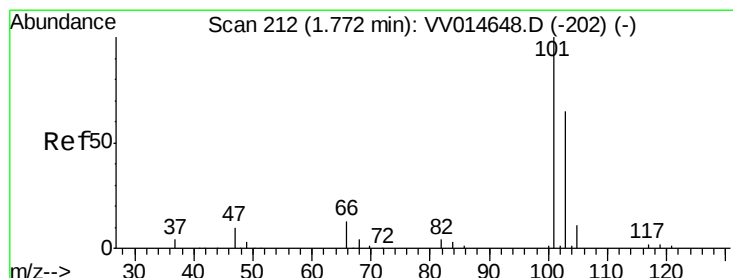
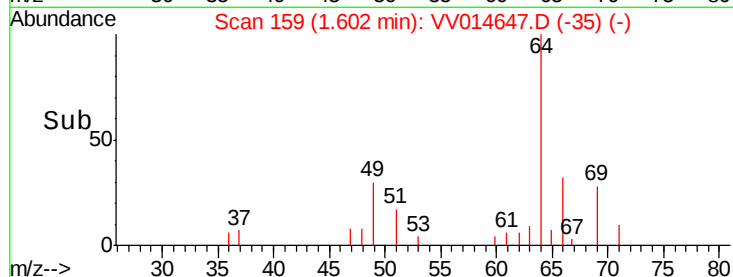
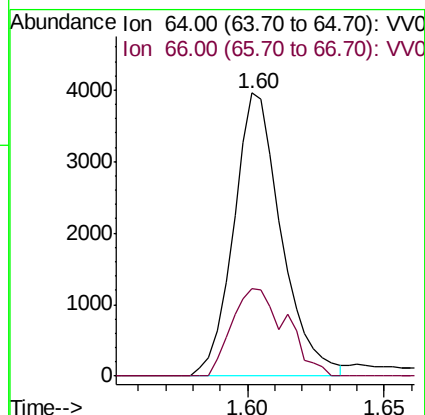
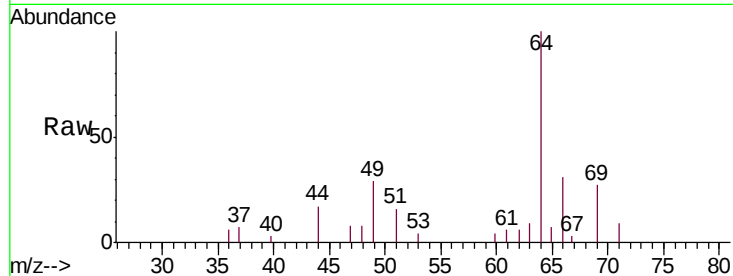




#8
 Chloroethane
 Concen: 8.954 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

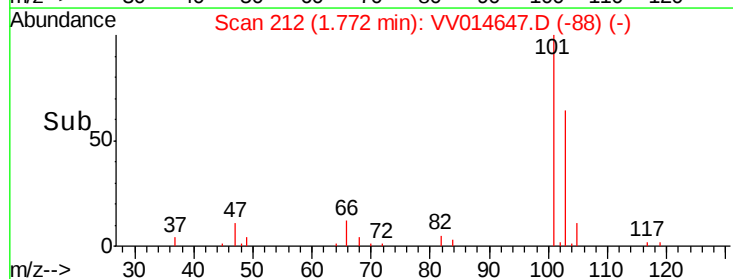
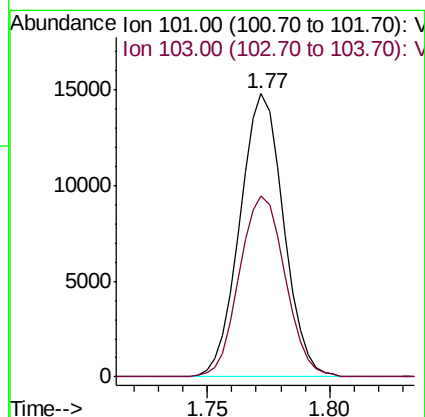
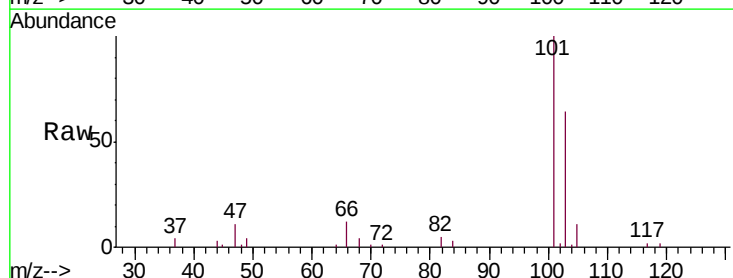
Instrument :
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 ClientSampleId :
 VSTD01062

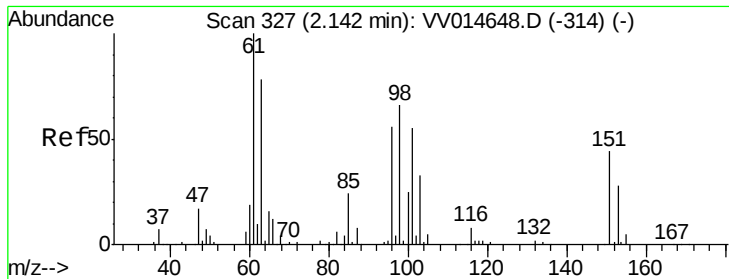
Tgt Ion: 64 Resp: 4804
 Ion Ratio Lower Upper
 64 100
 66 30.8 23.2 43.2



#9
 Trichlorofluoromethane
 Concen: 9.596 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Tgt Ion: 101 Resp: 18426
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.8 77.6





#10

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

Concen: 9.740 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

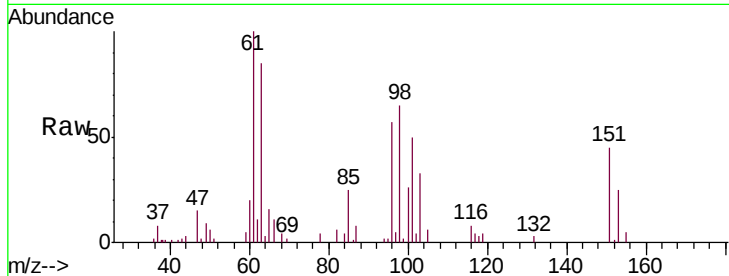
Tgt Ion: 101 Resp: 7967

Ion Ratio Lower Upper

101 100

85 50.3 37.3 55.9

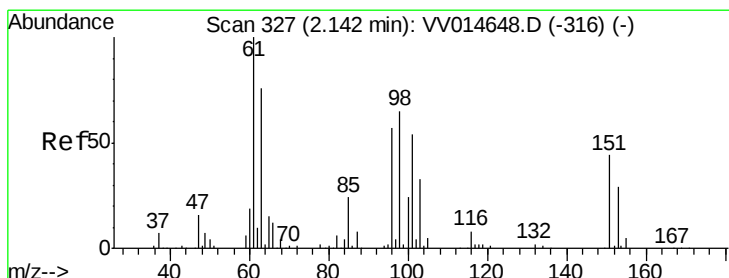
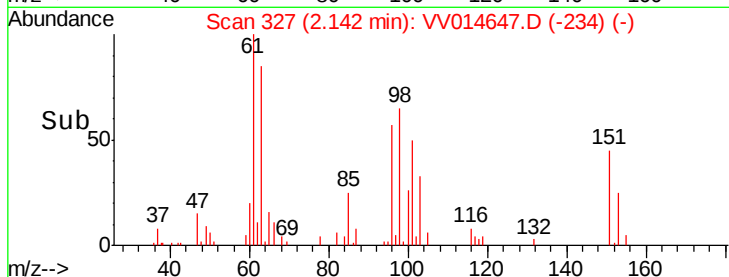
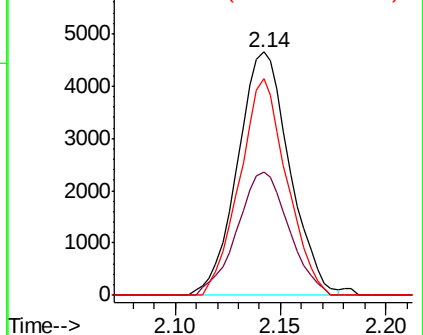
151 80.5 64.6 96.8



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: 9.707 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

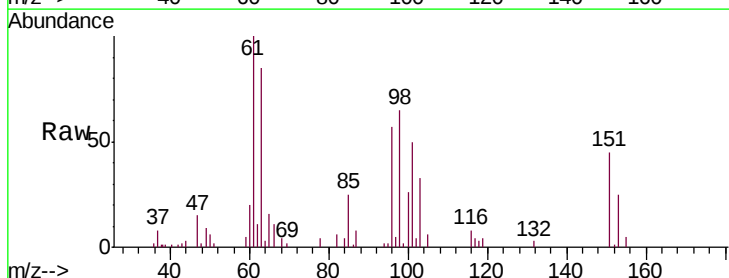
Tgt Ion: 96 Resp: 7329

Ion Ratio Lower Upper

96 100

61 174.2 124.5 231.1

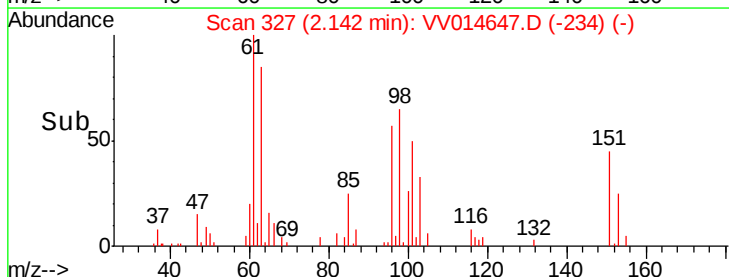
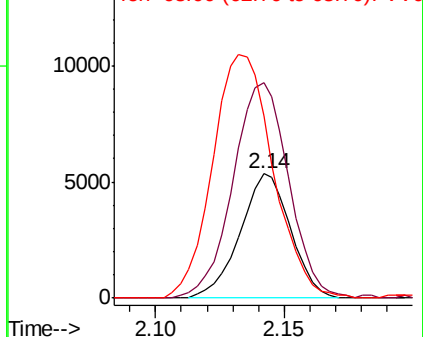
63 147.3 98.1 182.1

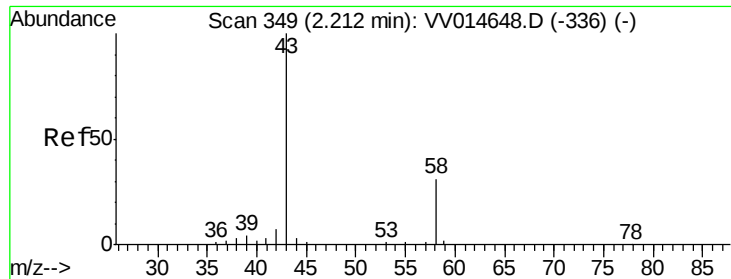


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 21.032 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampled :

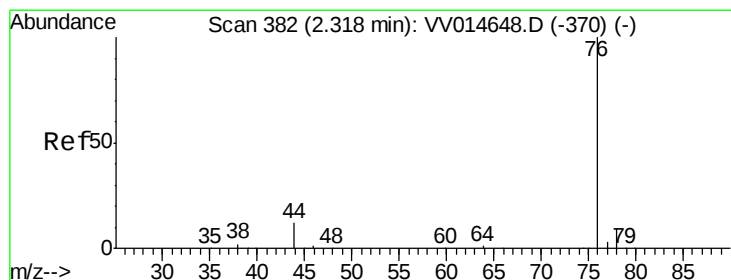
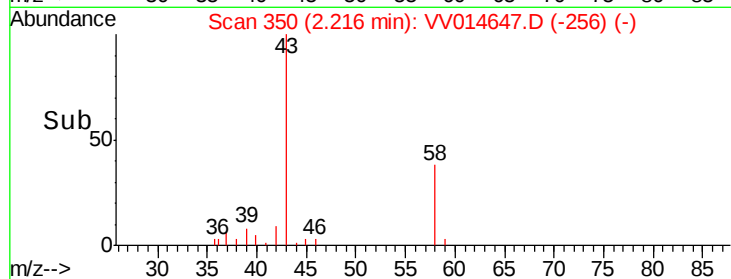
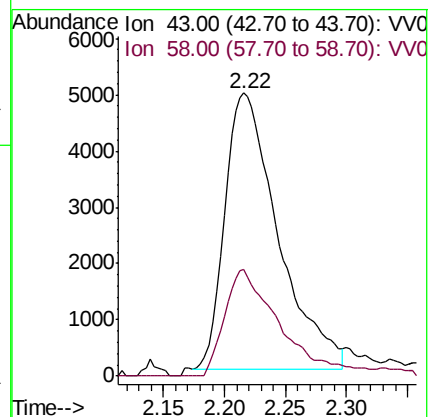
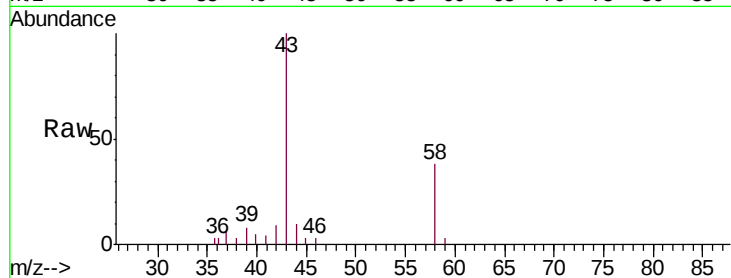
VSTD01062

Tgt Ion: 43 Resp: 14926

Ion Ratio Lower Upper

43 100

58 38.3 0.0 66.8



#14

Carbon disulfide

Concen: 9.018 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014647.D

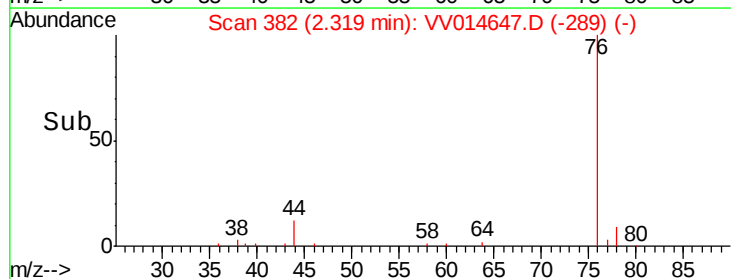
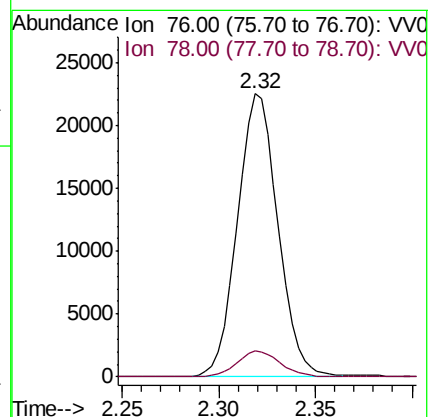
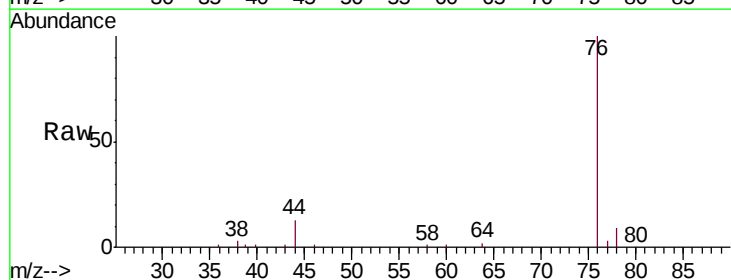
Acq: 21 Feb 2020 12:06

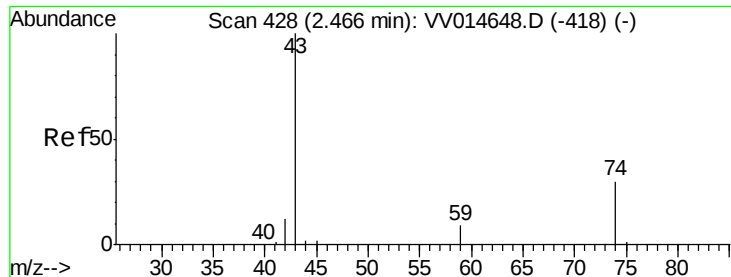
Tgt Ion: 76 Resp: 32814

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 9.975 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

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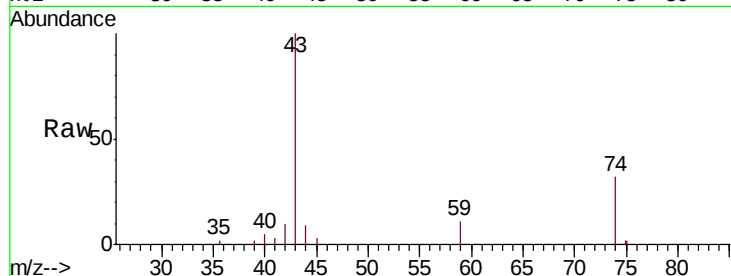
VSTD01062

Tgt Ion: 43 Resp: 12753

Ion Ratio Lower Upper

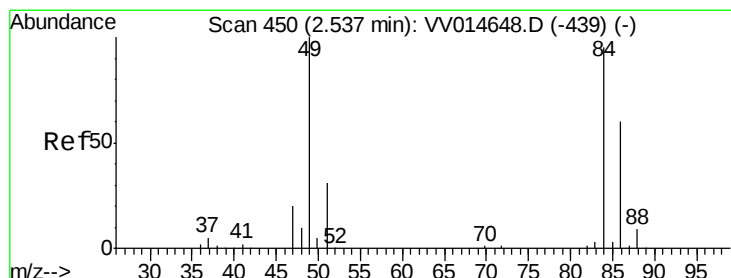
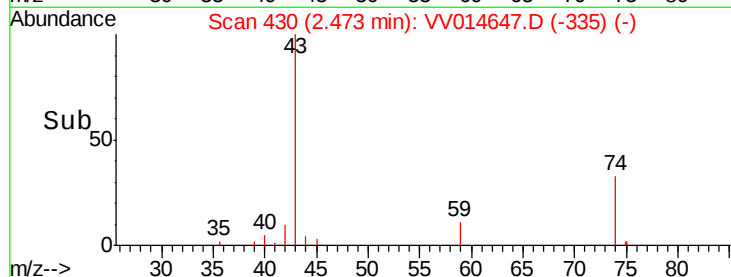
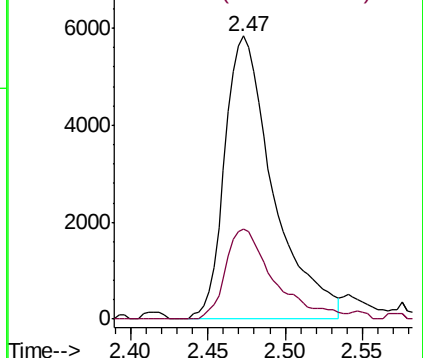
43 100

74 31.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 9.739 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

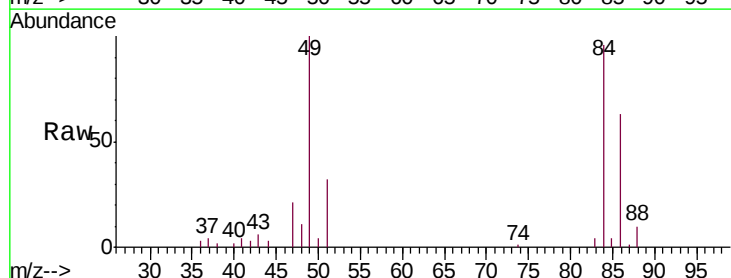
Tgt Ion: 84 Resp: 15410

Ion Ratio Lower Upper

84 100

86 65.6 44.4 82.4

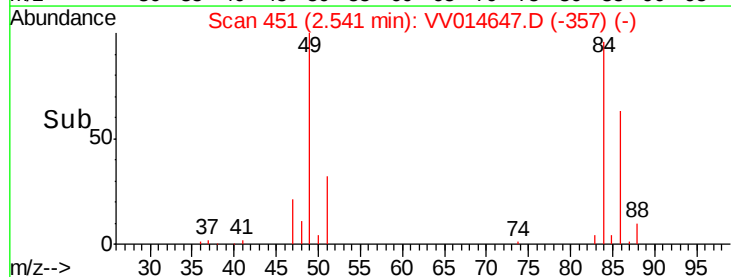
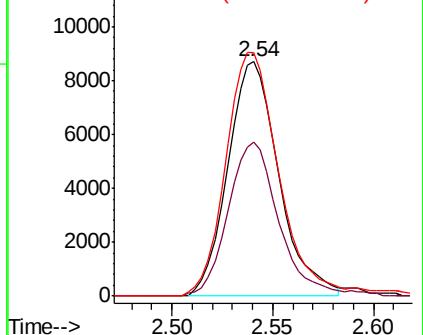
49 104.0 73.6 136.8

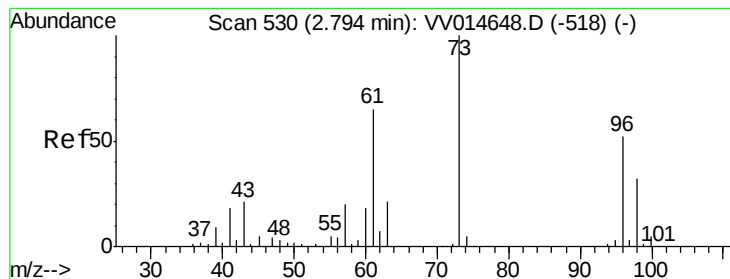


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 9.283 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

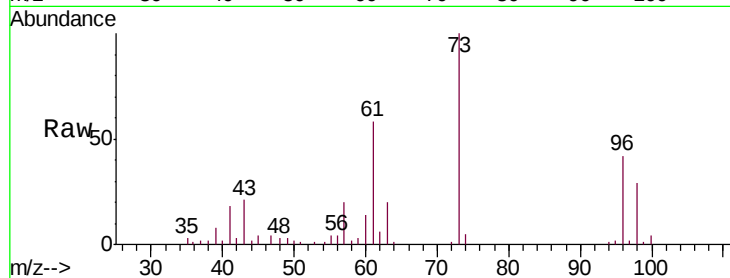
Tgt Ion: 96 Resp: 13809

Ion Ratio Lower Upper

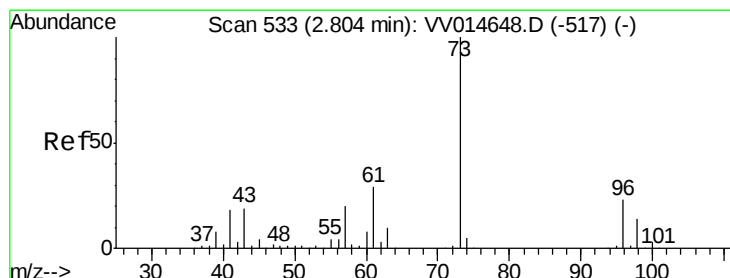
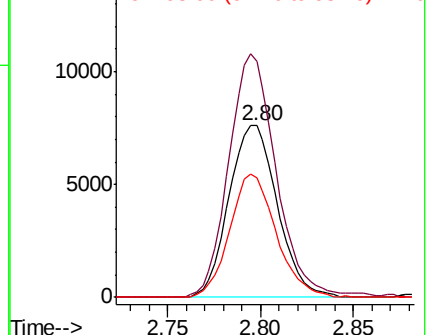
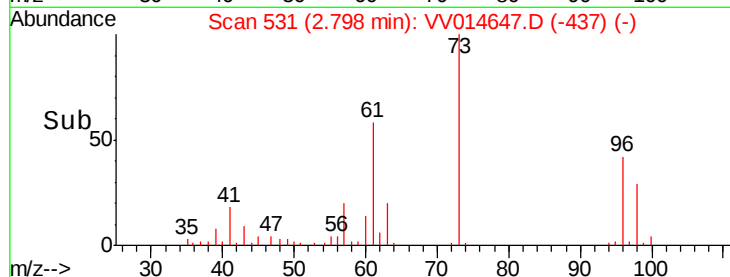
96 100

61 137.1 88.1 163.7

98 69.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VV014647.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 9.960 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

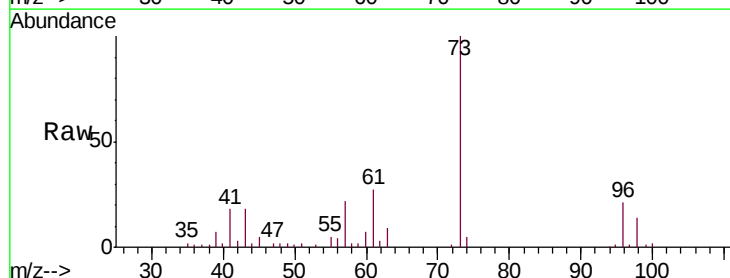
Tgt Ion: 73 Resp: 47969

Ion Ratio Lower Upper

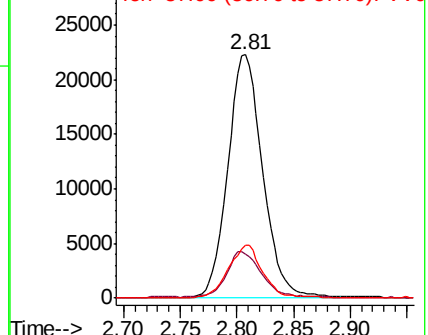
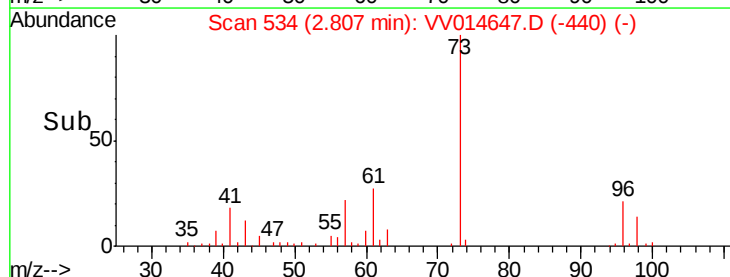
73 100

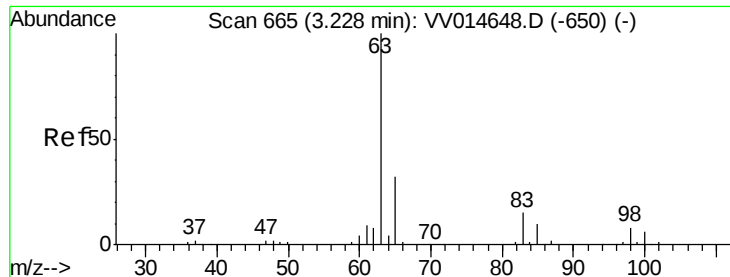
43 18.2 15.6 23.4

57 21.1 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VV014647.D (-440) (-)

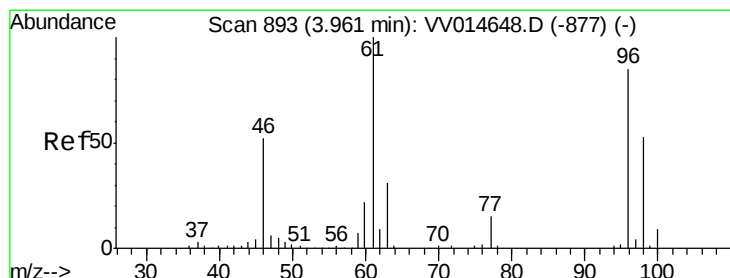
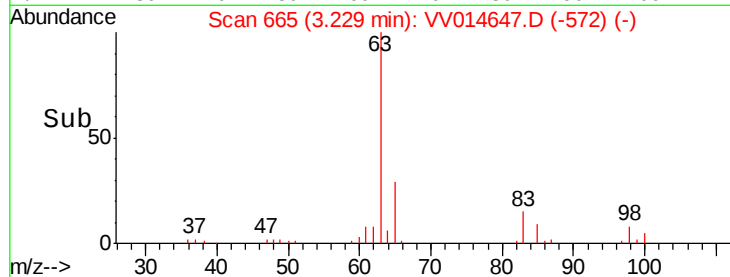
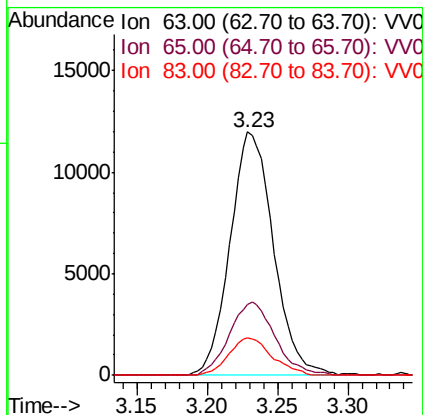
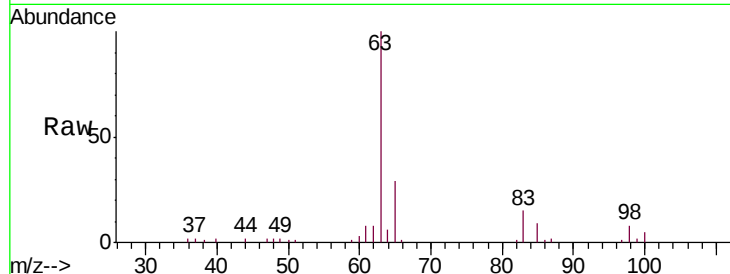




#19
 1,1-Dichloroethane
 Concen: 9.861 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

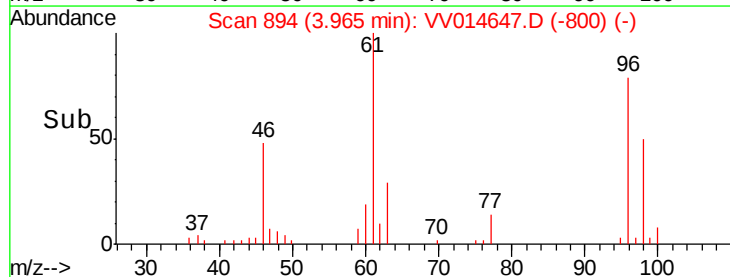
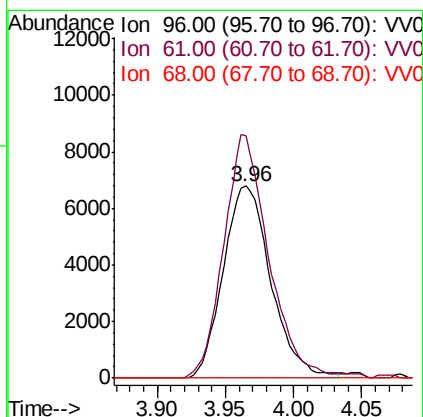
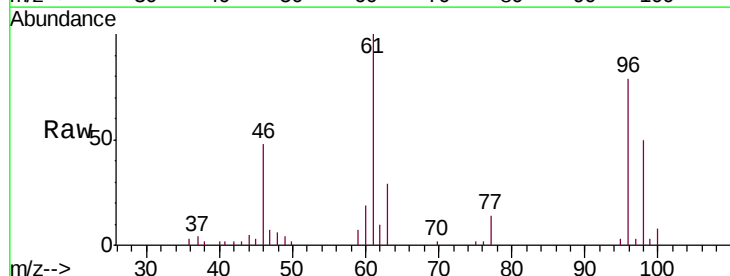
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

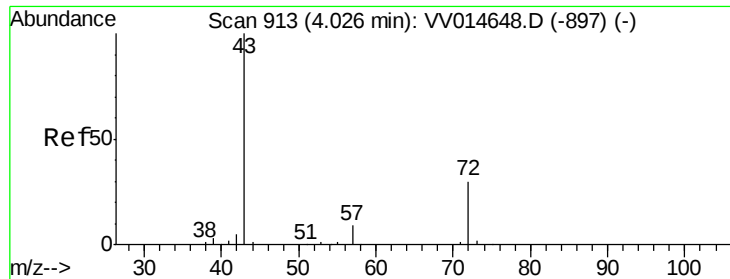
Tgt Ion: 63 Resp: 25776
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.6 42.0
 83 15.4 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 9.565 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Tgt Ion: 96 Resp: 16483
 Ion Ratio Lower Upper
 96 100
 61 126.4 82.4 153.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 18.207 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.02 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

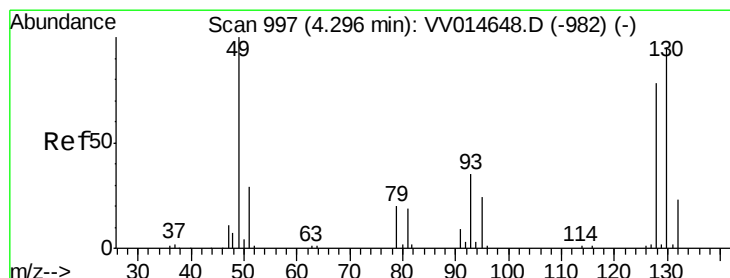
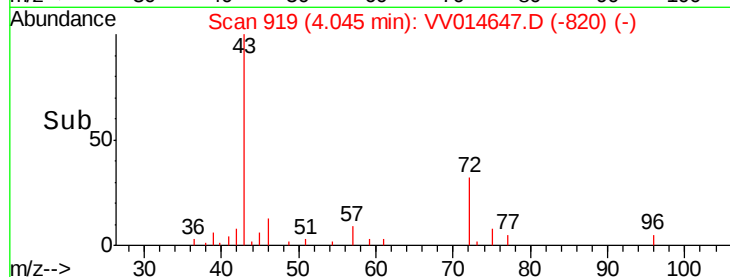
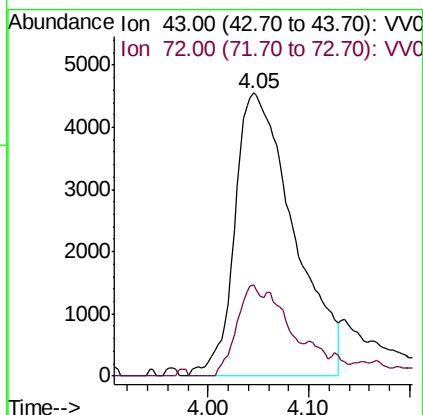
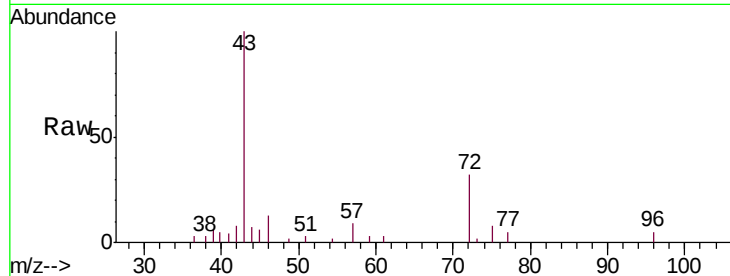
VSTD01062

Tgt Ion: 43 Resp: 18497

Ion Ratio Lower Upper

43 100

72 14.0 14.1 42.3#



#23

Bromochloromethane

Concen: 9.826 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Tgt Ion:128 Resp: 8312

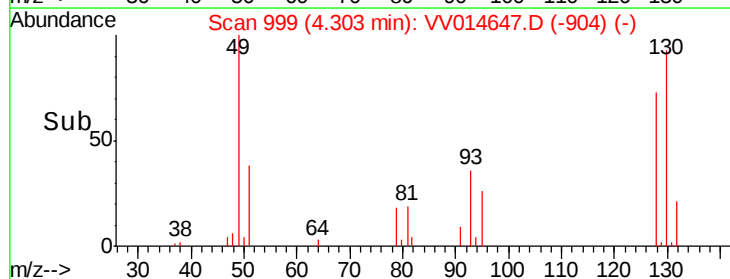
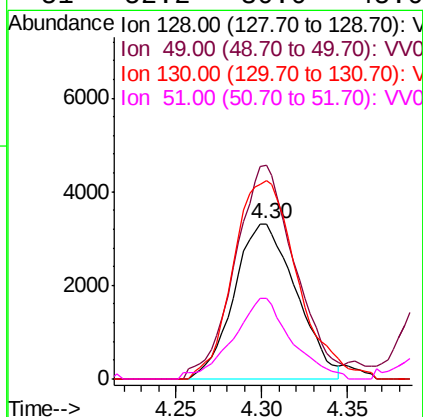
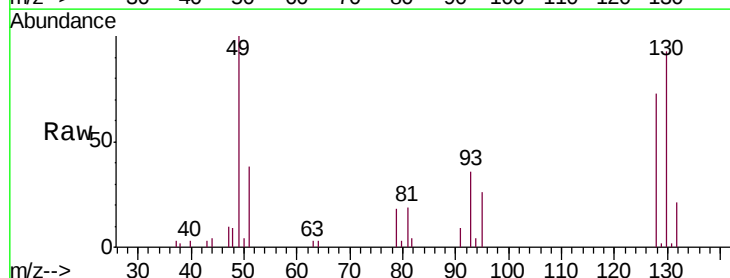
Ion Ratio Lower Upper

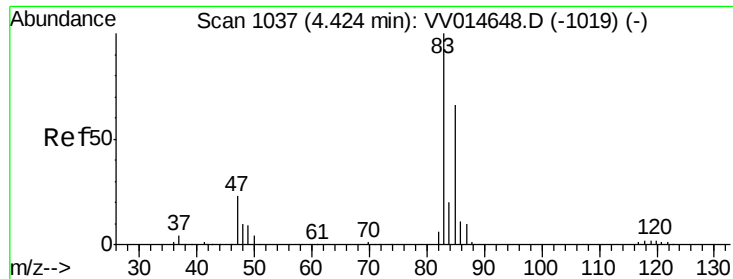
128 100

49 137.8 89.7 166.5

130 127.9 85.0 158.0

51 52.2 30.0 45.0#

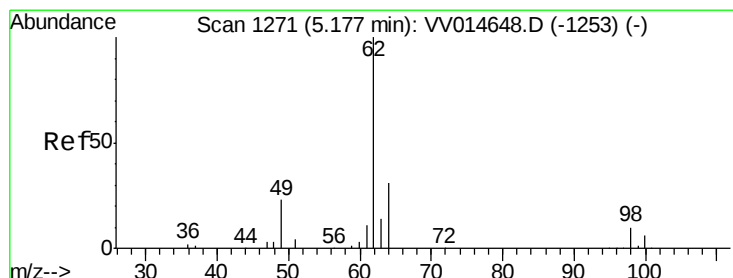
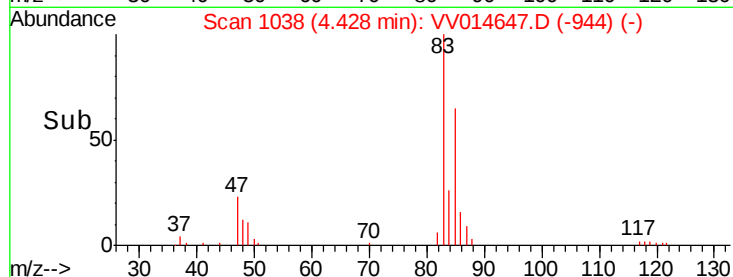
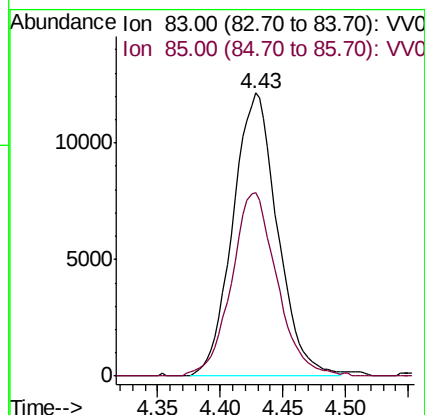
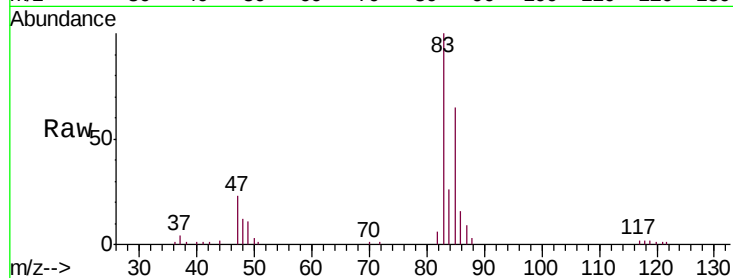




#25
Chloroform
Concen: 10.304 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

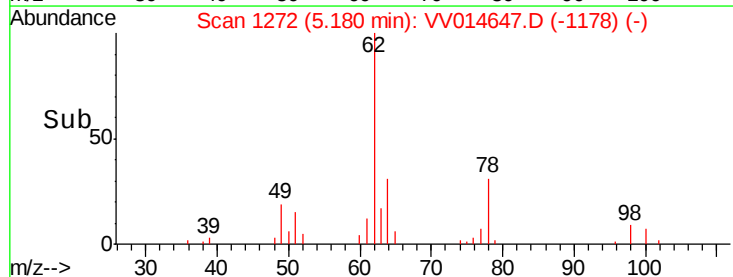
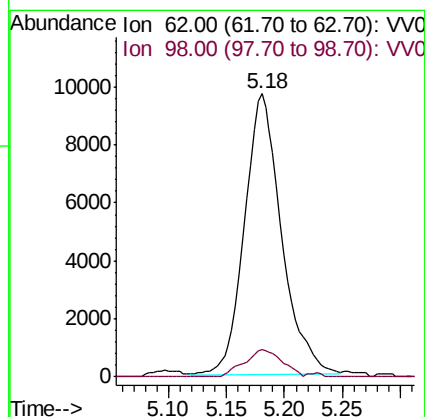
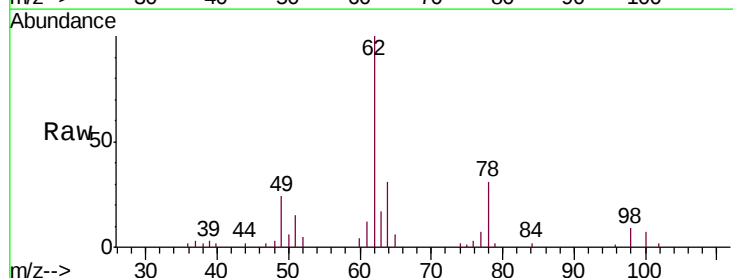
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

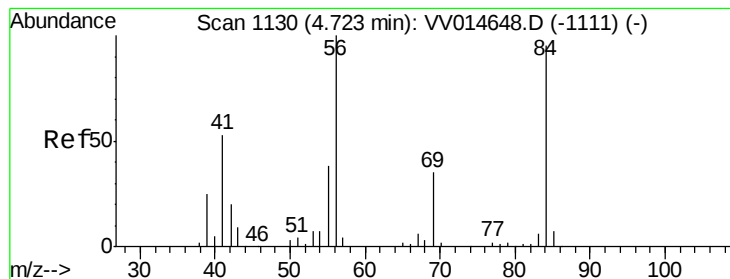
Tgt Ion: 83 Resp: 30115
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 10.033 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

Tgt Ion: 62 Resp: 21665
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.6





#29

Cyclohexane

Concen: 9.065 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

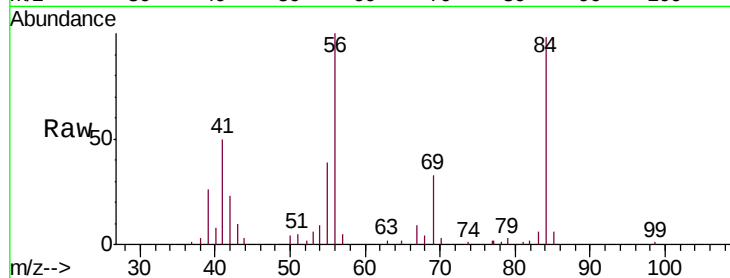
Tgt Ion: 56 Resp: 20654

Ion Ratio Lower Upper

56 100

69 34.1 26.9 40.3

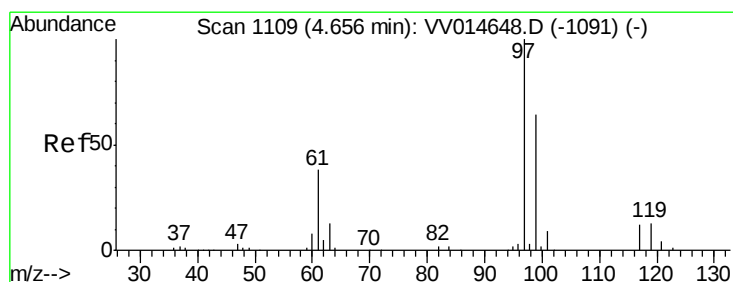
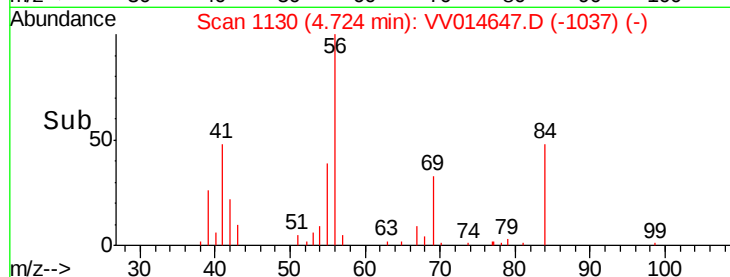
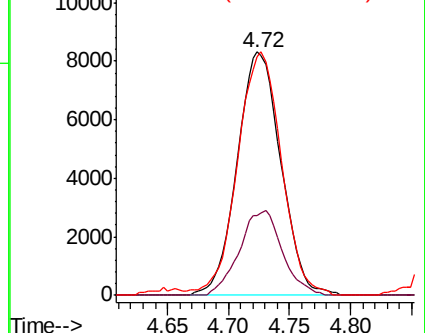
84 100.2 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV014648.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV014648.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV014648.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 10.227 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

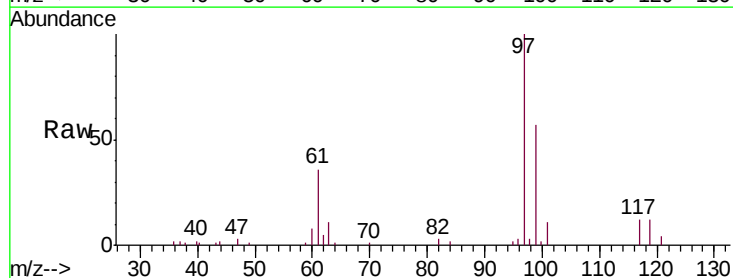
Tgt Ion: 97 Resp: 25875

Ion Ratio Lower Upper

97 100

99 66.3 52.0 78.0

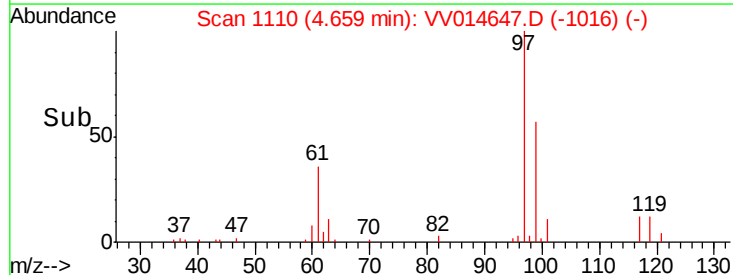
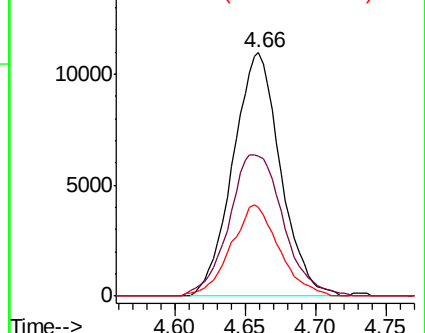
61 37.9 31.4 47.0

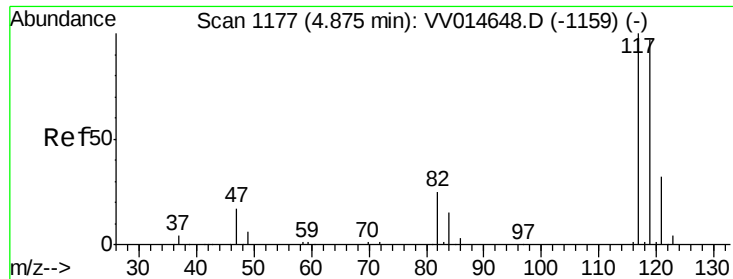


Abundance Ion 97.00 (96.70 to 97.70): VV014648.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014648.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014648.D (-1091) (-)

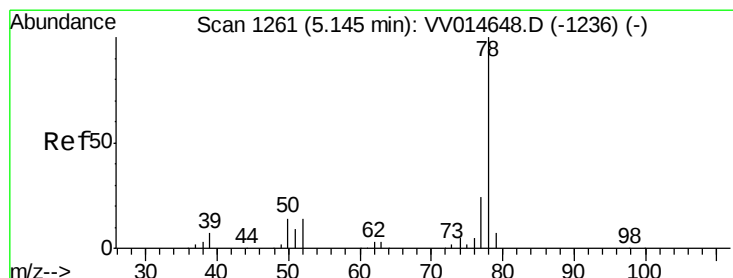
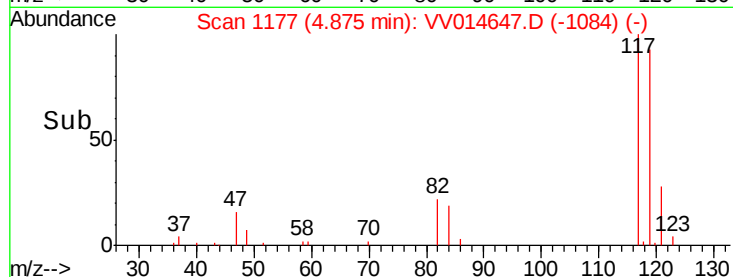
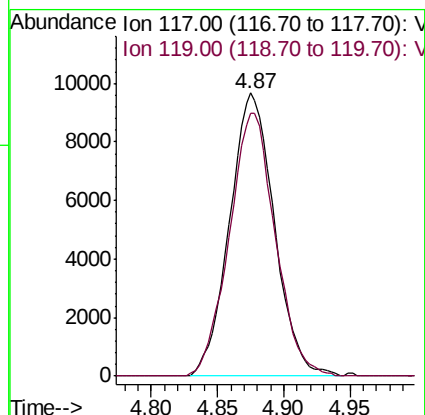
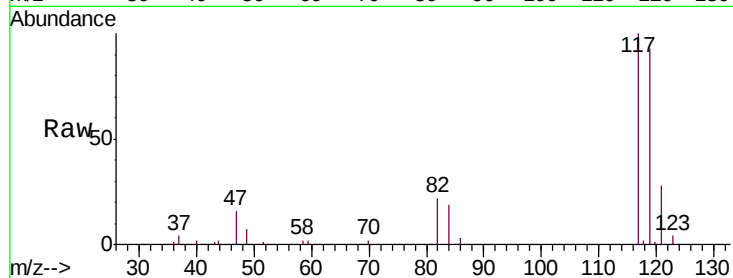




#31
 Carbon tetrachloride
 Concen: 9.941 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

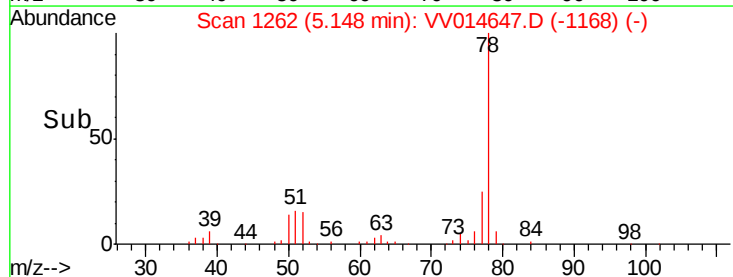
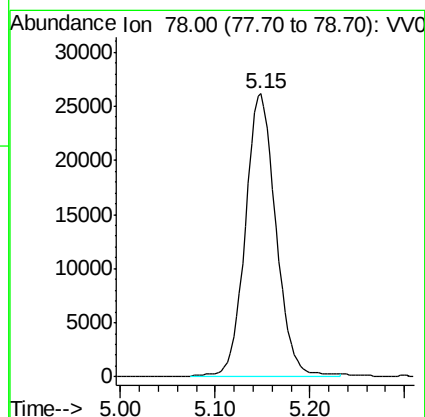
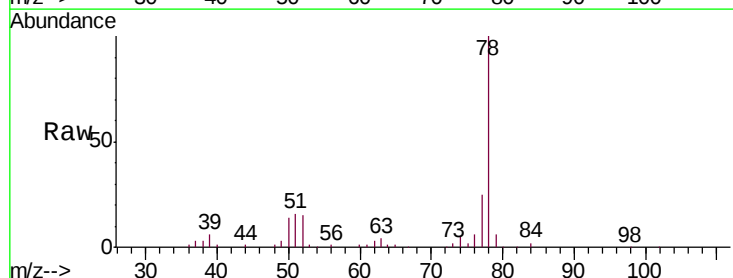
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

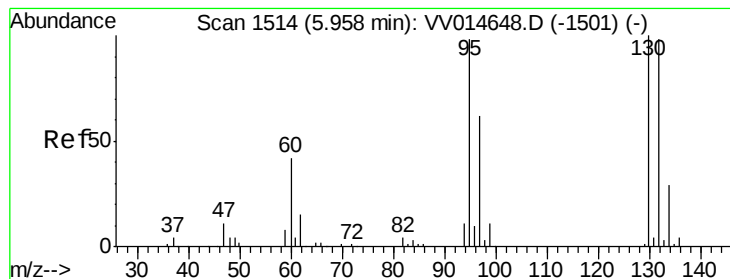
Tgt Ion: 117 Resp: 22690
 Ion Ratio Lower Upper
 117 100
 119 95.2 76.9 115.3



#33
 Benzene
 Concen: 9.805 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Tgt Ion: 78 Resp: 58960





#34

Trichloroethene

Concen: 10.616 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

Tgt Ion: 95 Resp: 17373

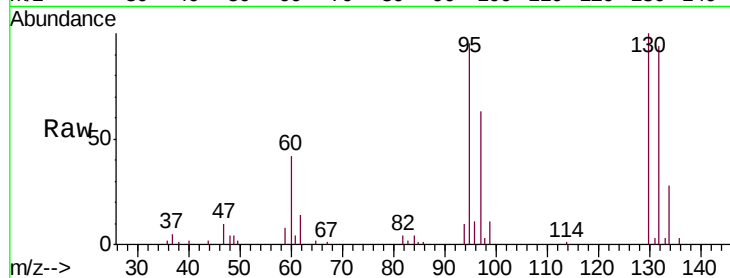
Ion Ratio Lower Upper

95 100

97 65.8 44.3 82.3

132 98.2 69.7 129.4

130 104.9 71.3 132.5

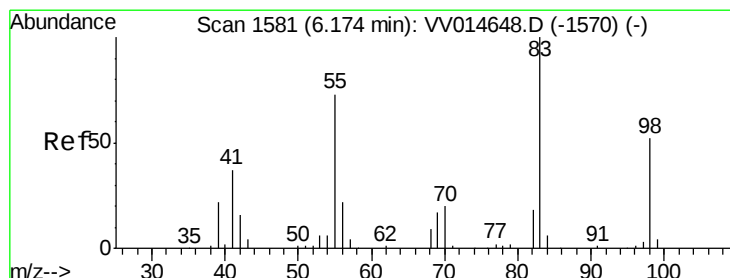
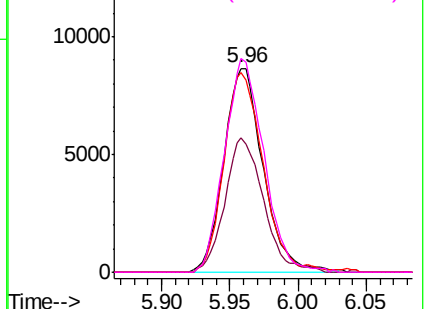
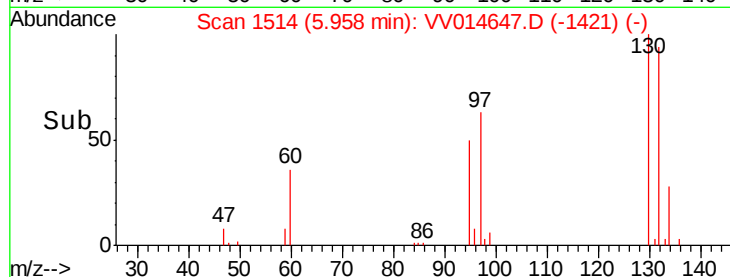


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.939 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

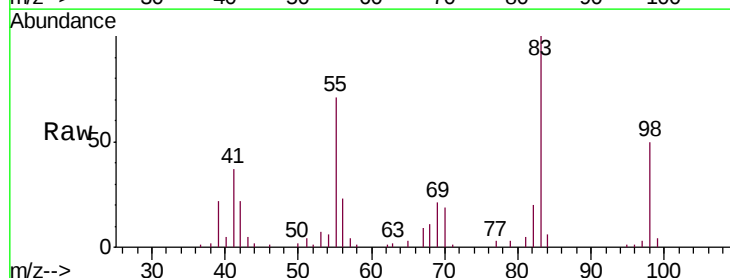
Tgt Ion: 83 Resp: 22831

Ion Ratio Lower Upper

83 100

55 72.9 56.1 84.1

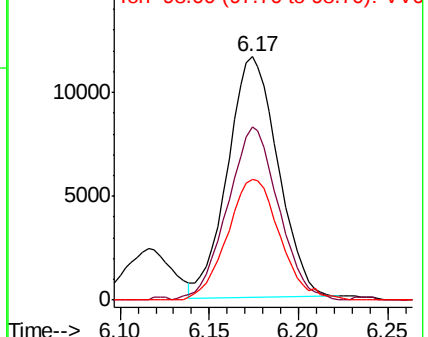
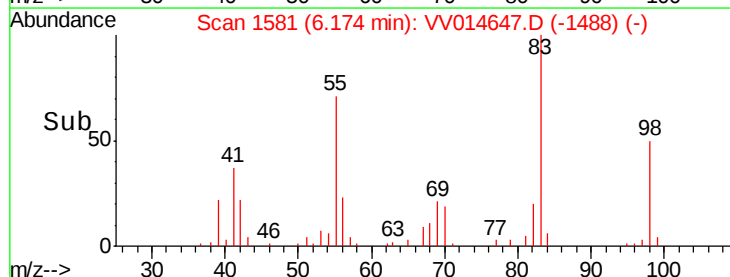
98 52.2 40.4 60.6

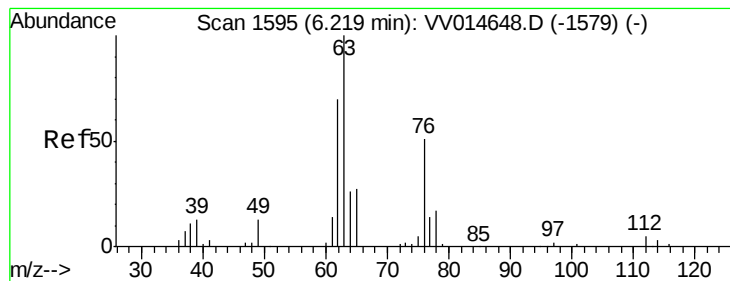


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 9.220 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

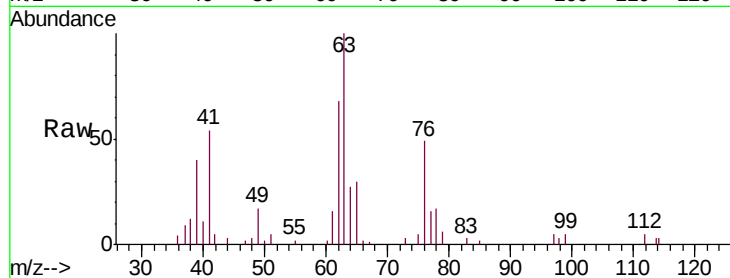
VSTD01062

Tgt Ion: 63 Resp: 13702

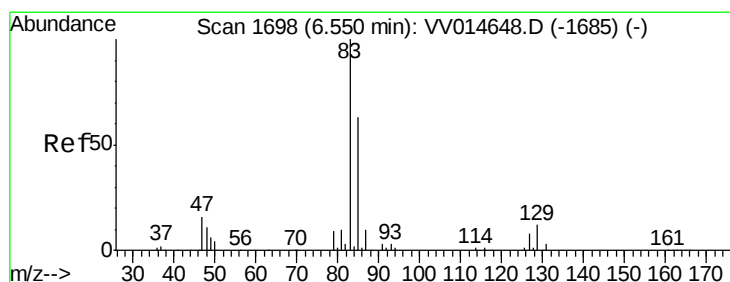
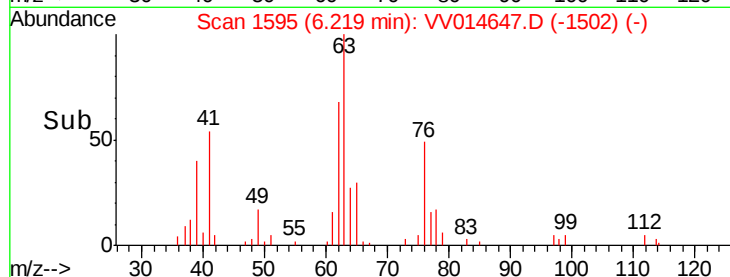
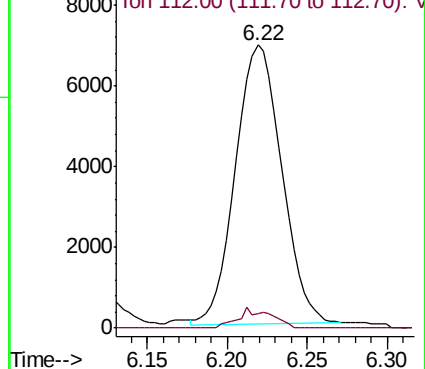
Ion Ratio Lower Upper

63 100

112 2.8 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV014647.D (-1502) (-)



#38

Bromodichloromethane

Concen: 9.660 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

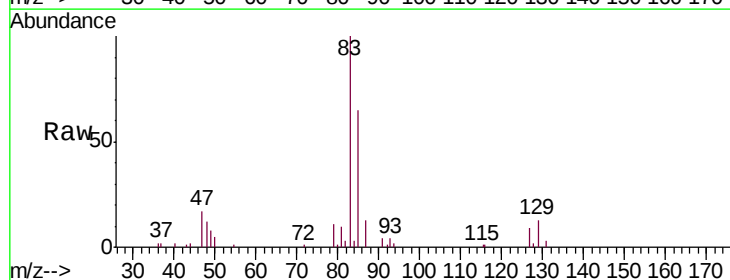
Tgt Ion: 83 Resp: 21325

Ion Ratio Lower Upper

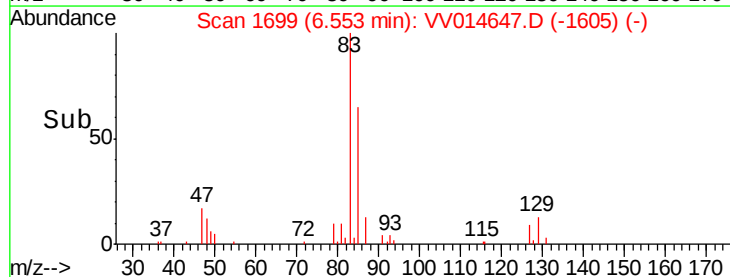
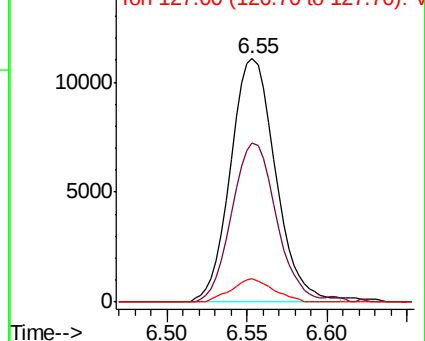
83 100

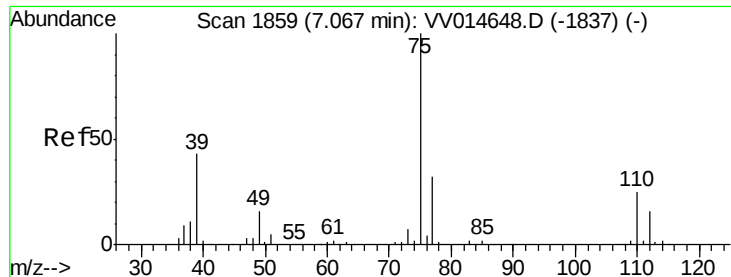
85 65.3 44.2 82.2

127 9.4 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV014647.D (-1605) (-)

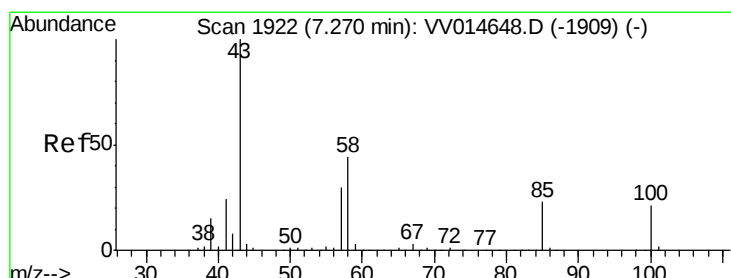
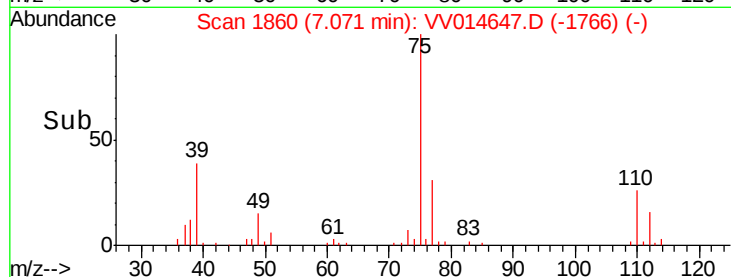
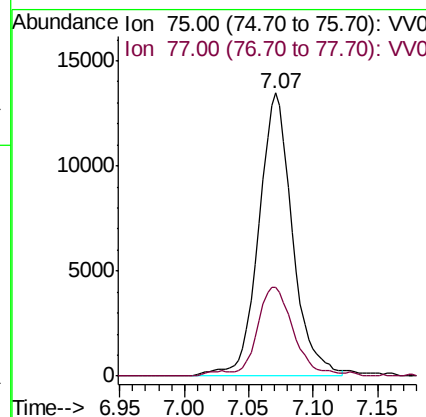
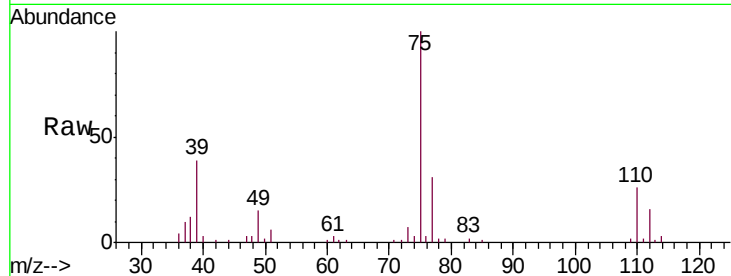




#39
 cis-1,3-Dichloropropene
 Concen: 9.395 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

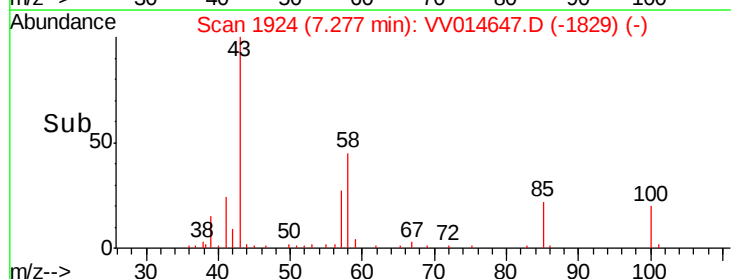
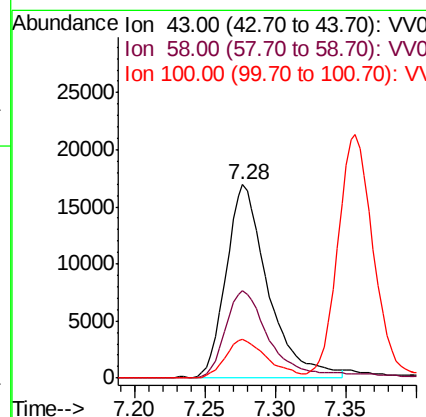
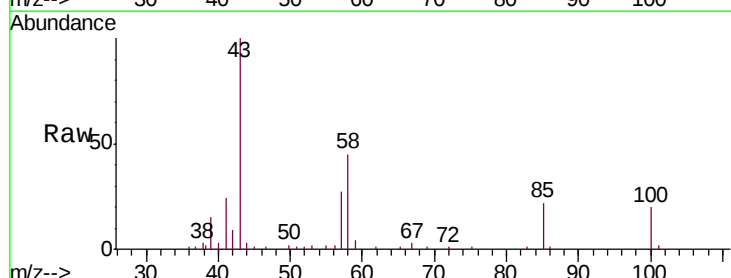
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

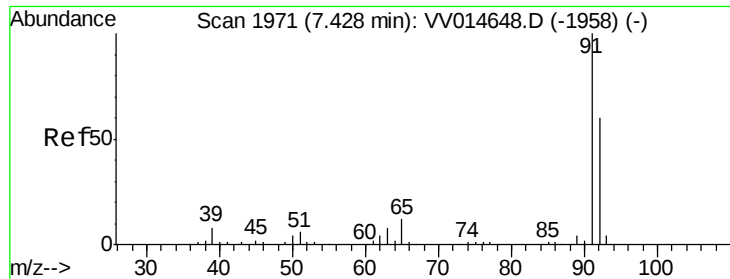
Tgt Ion: 75 Resp: 24707
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 19.079 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Tgt Ion: 43 Resp: 35181
 Ion Ratio Lower Upper
 43 100
 58 45.7 35.7 53.5
 100 20.2 16.8 25.2





#42

Toluene

Concen: 9.611 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

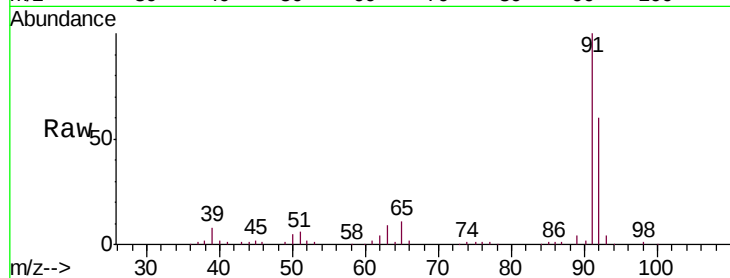
VSTD01062

Tgt Ion: 91 Resp: 63050

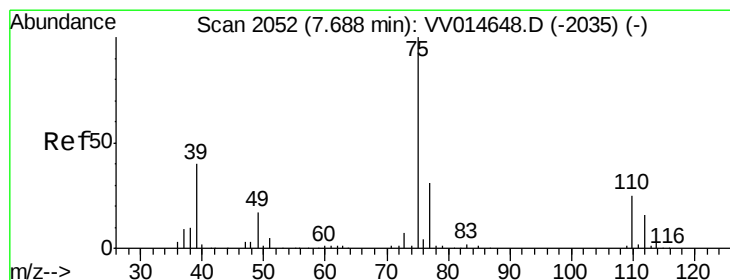
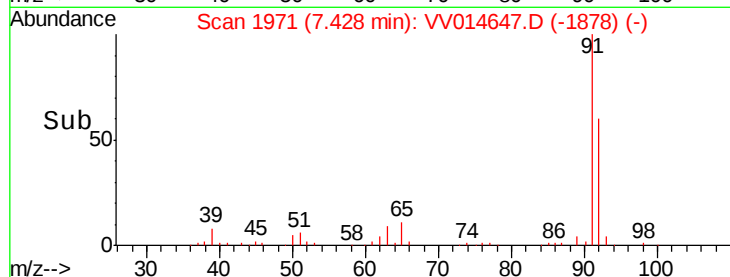
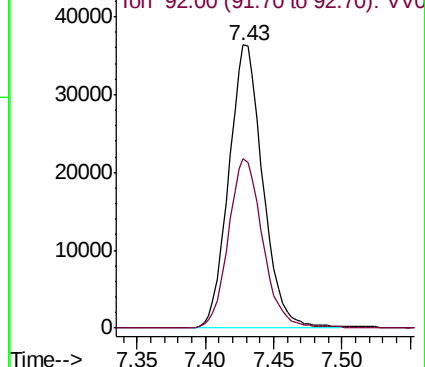
Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014648.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.052 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014647.D

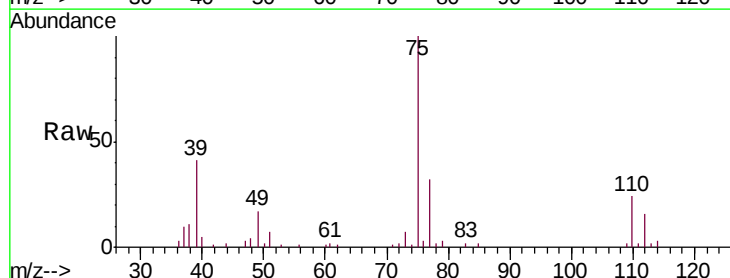
Acq: 21 Feb 2020 12:06

Tgt Ion: 75 Resp: 21591

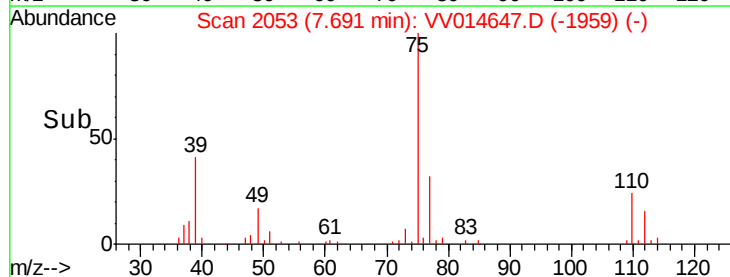
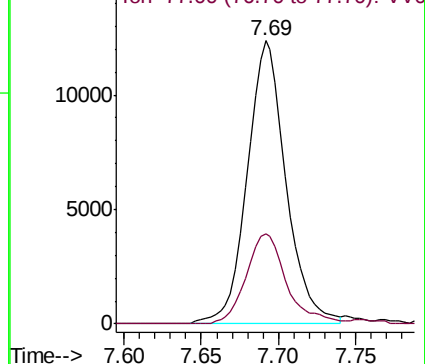
Ion Ratio Lower Upper

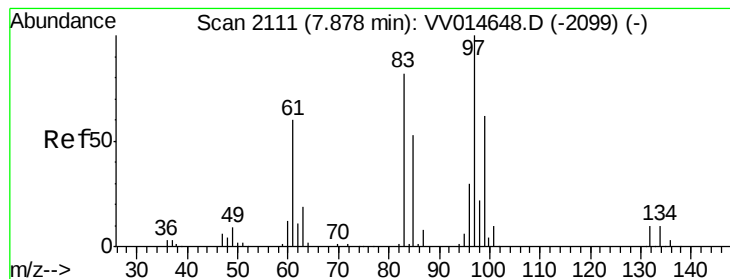
75 100

77 32.0 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014648.D (-2035) (-)





#45

1,1,2-Trichloroethane

Concen: 9.588 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampled :

VSTD01062

Tgt Ion: 97 Resp: 14857

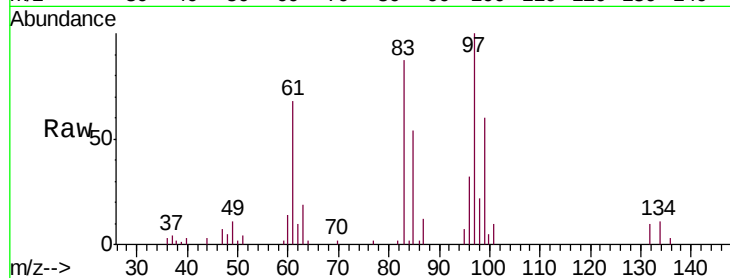
Ion Ratio Lower Upper

97 100

99 60.4 43.7 81.1

83 86.8 57.3 106.5

85 53.6 37.1 68.9

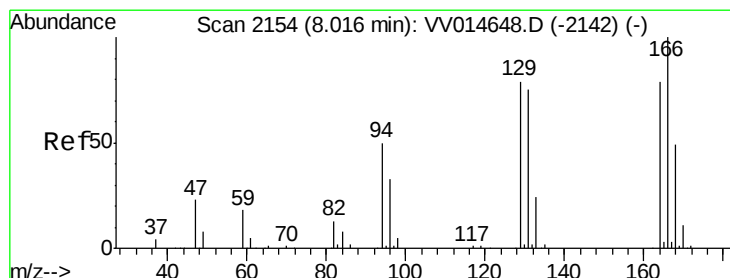
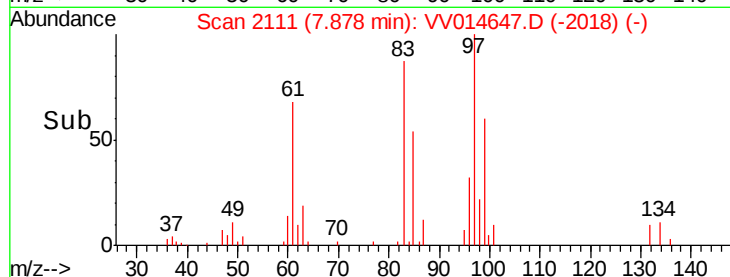
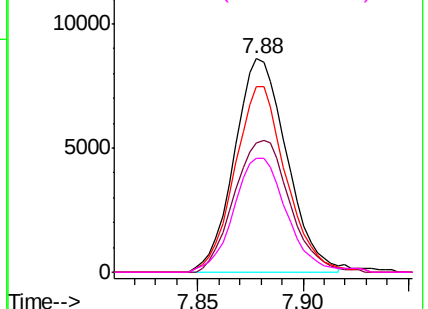


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 9.375 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Tgt Ion: 164 Resp: 11973

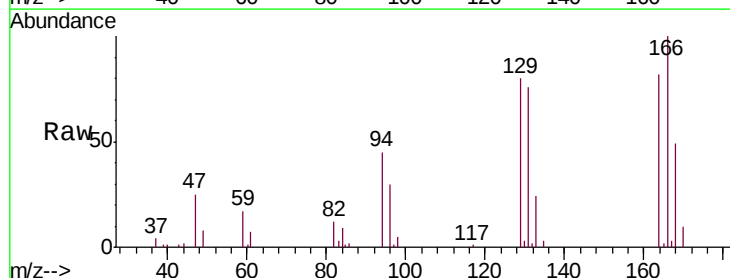
Ion Ratio Lower Upper

164 100

129 97.6 70.3 130.7

131 92.6 66.8 124.0

166 121.6 88.8 165.0

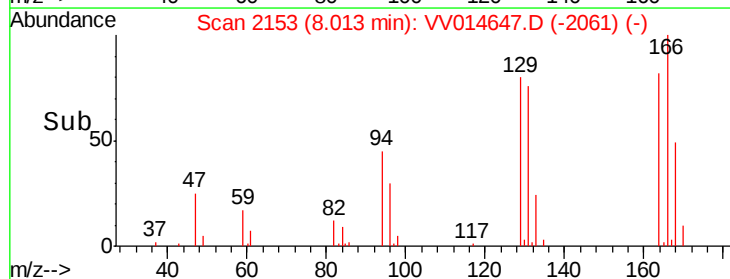
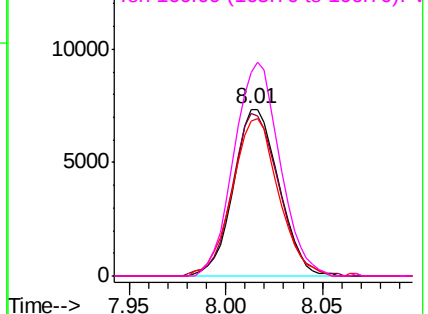


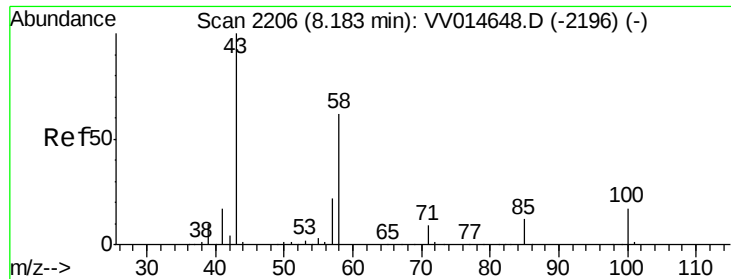
Abundance Ion 164.00 (163.70 to 164.70): V

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

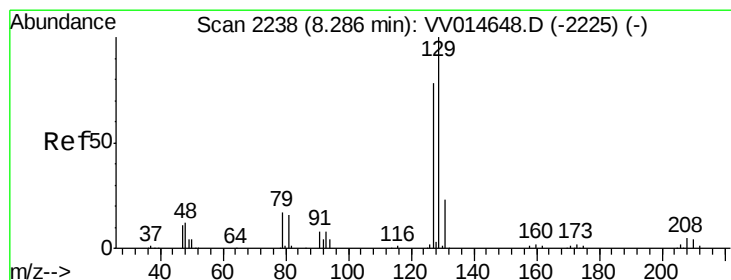
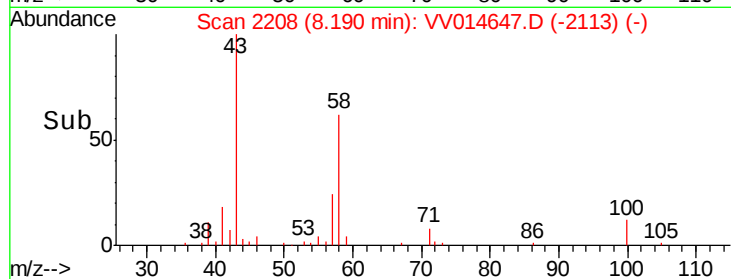
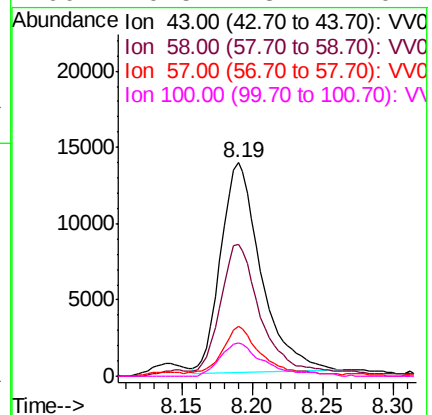
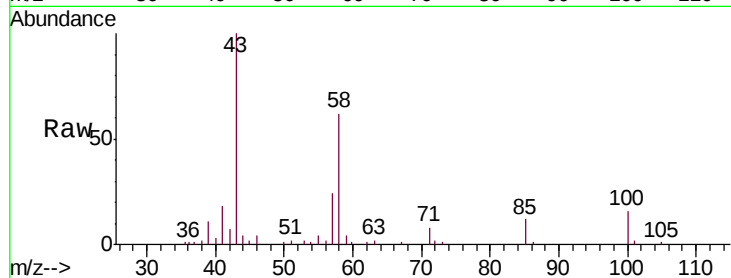




#48
2-Hexanone
Concen: 18.869 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

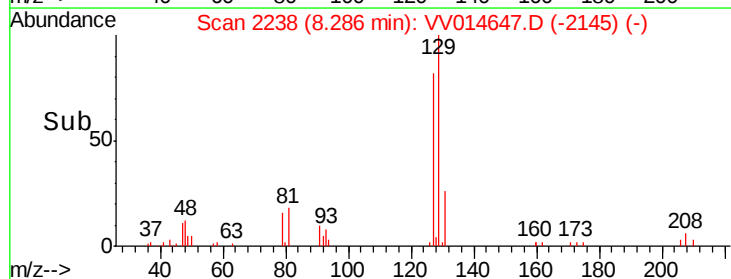
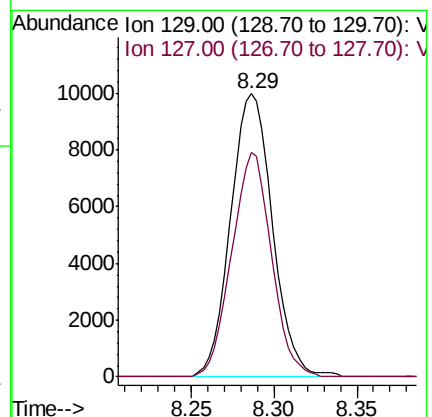
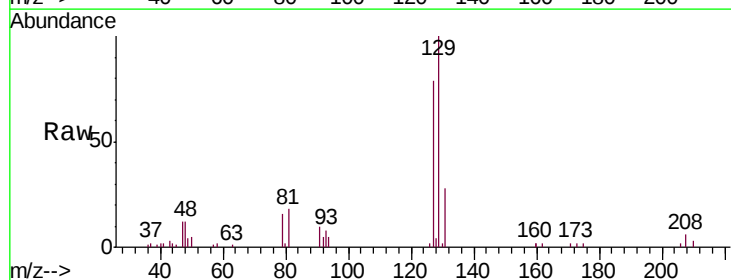
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

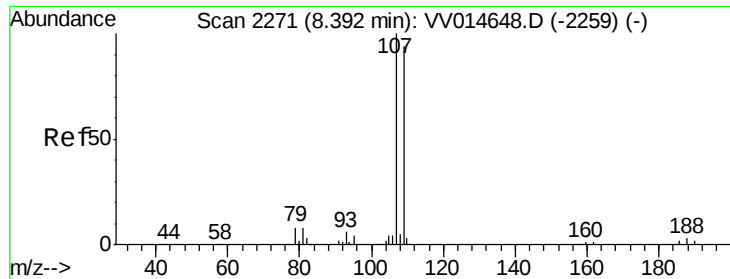
Tgt Ion: 43 Resp: 27427
Ion Ratio Lower Upper
43 100
58 59.9 49.4 74.2
57 22.6 17.8 26.8
100 16.5 13.1 19.7



#49
Dibromochloromethane
Concen: 9.512 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

Tgt Ion: 129 Resp: 17563
Ion Ratio Lower Upper
129 100
127 79.5 54.5 101.3

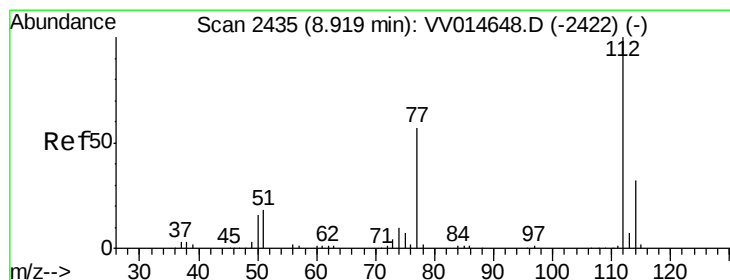
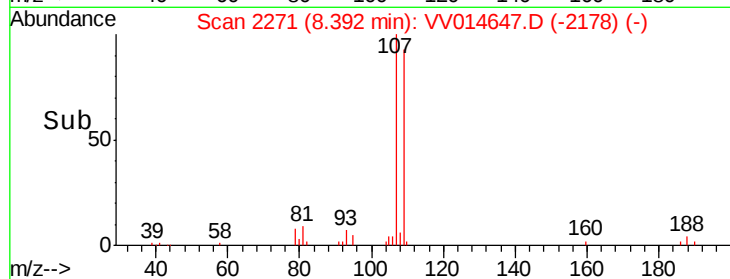
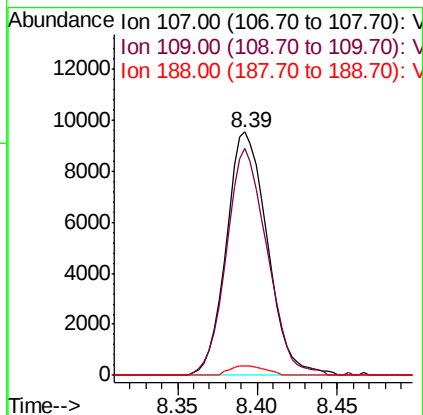
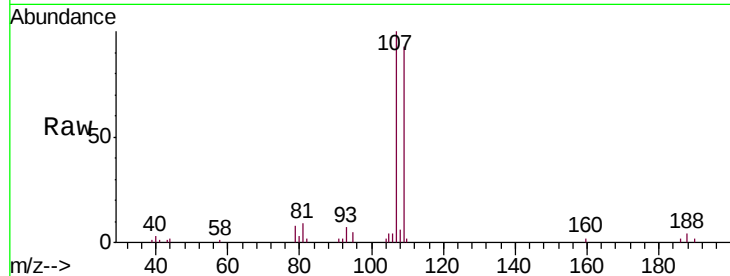




#50
1,2-Dibromoethane
Concen: 9.979 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

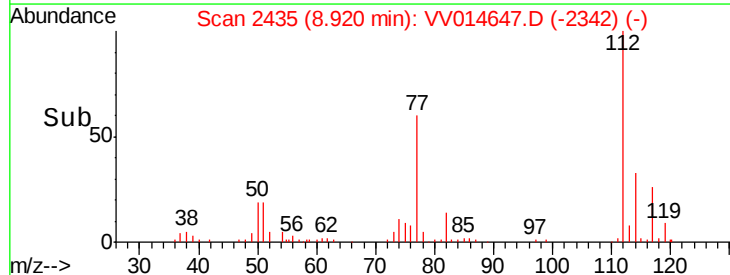
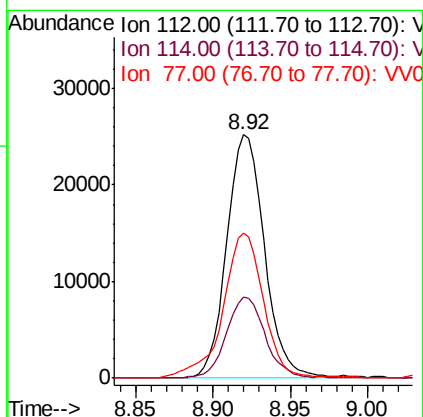
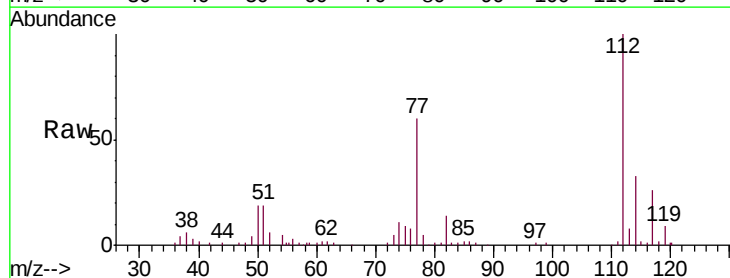
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

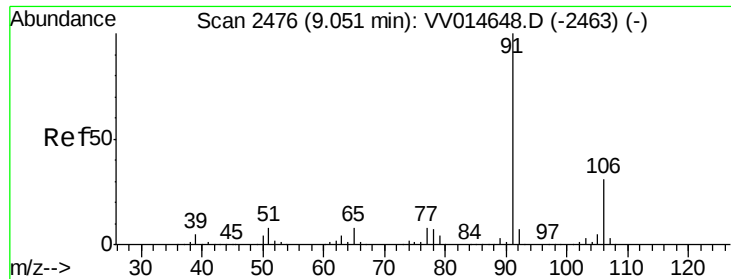
Tgt Ion:107 Resp: 16739
Ion Ratio Lower Upper
107 100
109 93.1 66.1 122.7
188 3.9 2.7 4.1



#51
Chlorobenzene
Concen: 9.717 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

Tgt Ion:112 Resp: 42663
Ion Ratio Lower Upper
112 100
114 33.1 22.5 41.7
77 59.8 45.8 68.8





#52

Ethylbenzene

Concen: 9.622 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

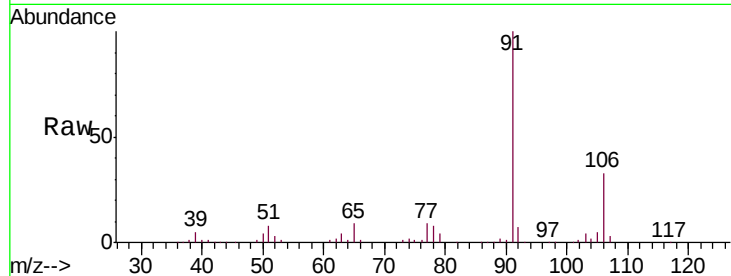
VSTD01062

Tgt Ion: 91 Resp: 71719

Ion Ratio Lower Upper

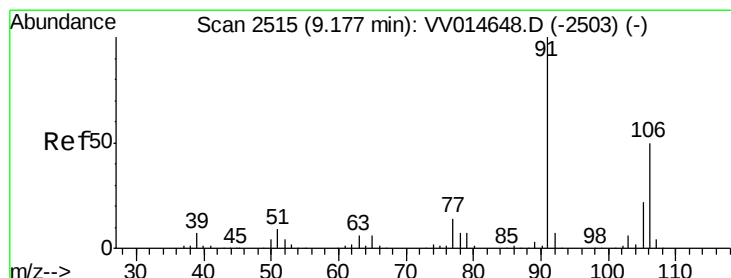
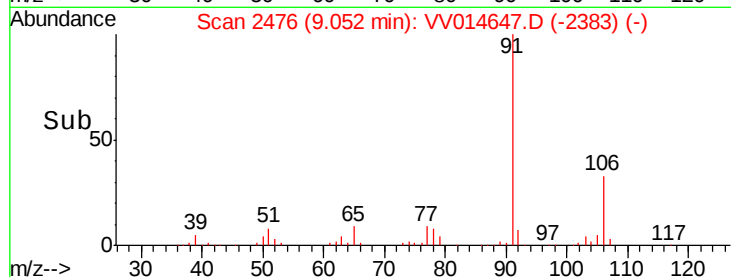
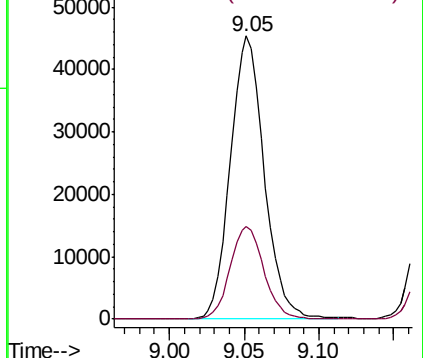
91 100

106 32.8 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 9.582 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014647.D

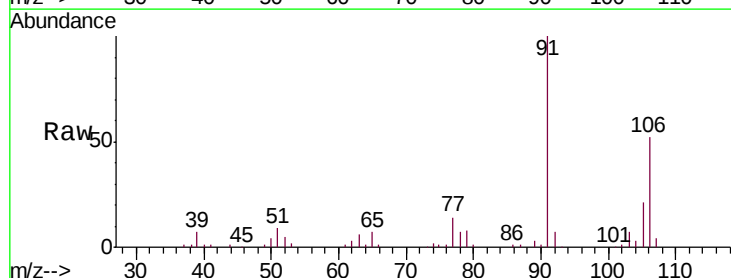
Acq: 21 Feb 2020 12:06

Tgt Ion: 106 Resp: 27959

Ion Ratio Lower Upper

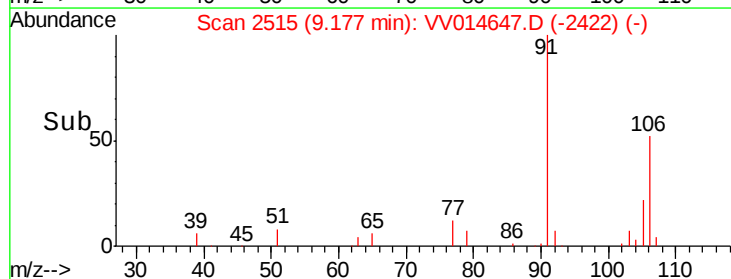
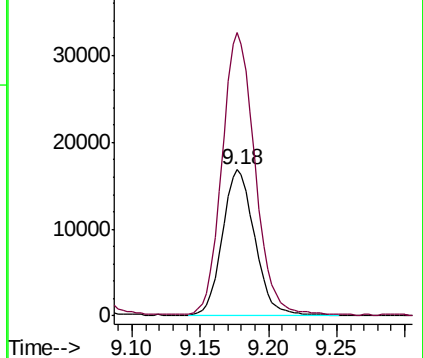
106 100

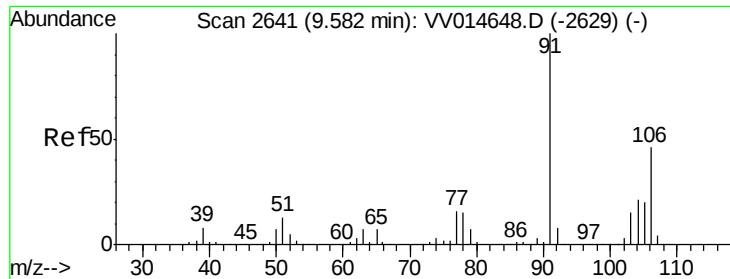
91 193.9 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

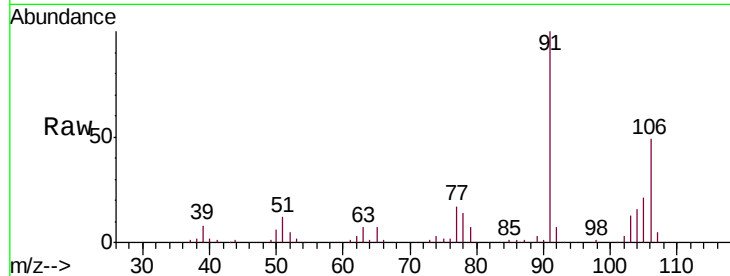




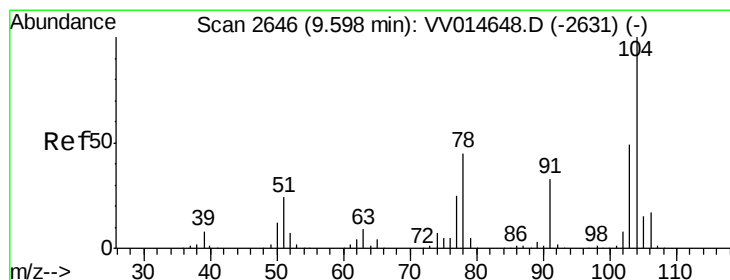
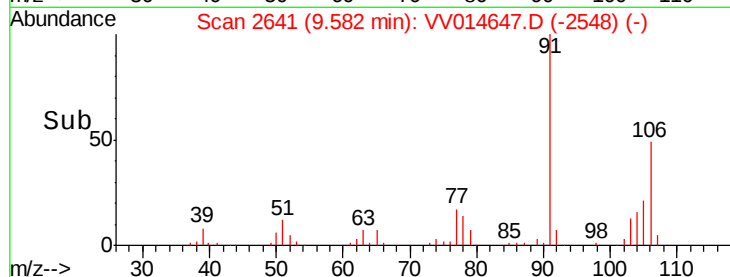
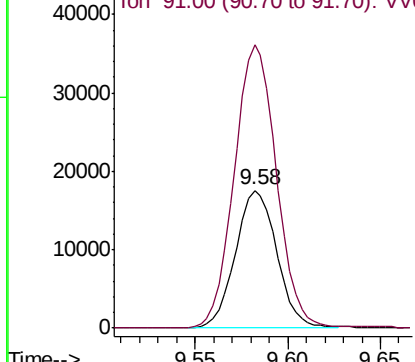
#54
o-xylene
Concen: 9.820 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Tgt Ion:106 Resp: 27380
Ion Ratio Lower Upper
106 100
91 205.8 152.7 283.5

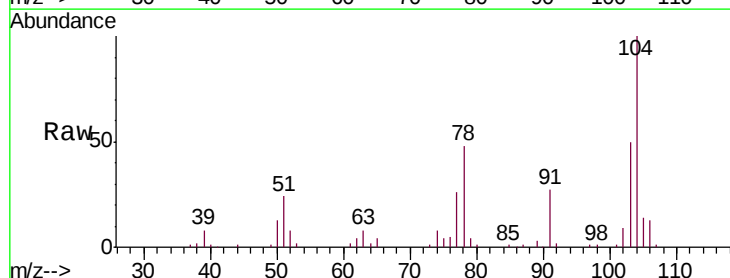


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

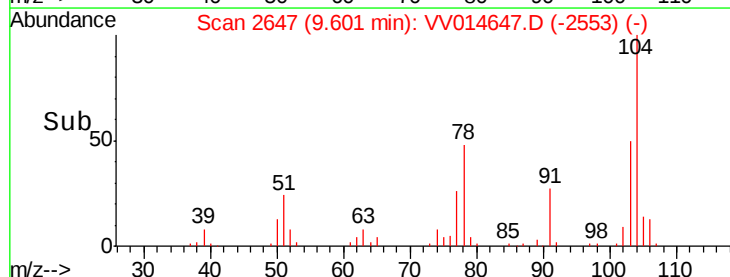
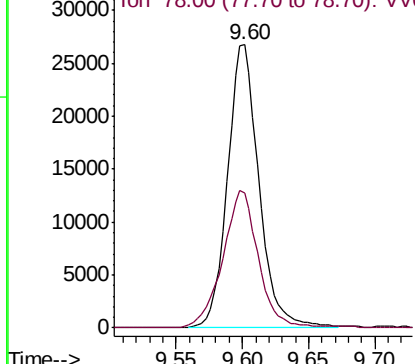


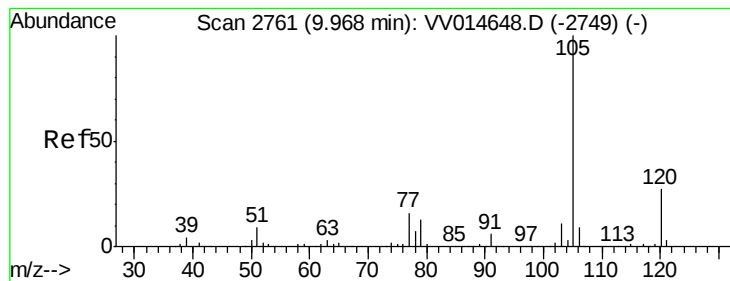
#55
Styrene
Concen: 9.245 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV014647.D
Acq: 21 Feb 2020 12:06

Tgt Ion:104 Resp: 44128
Ion Ratio Lower Upper
104 100
78 47.8 31.8 59.0



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





#56

Isopropylbenzene

Concen: 9.576 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

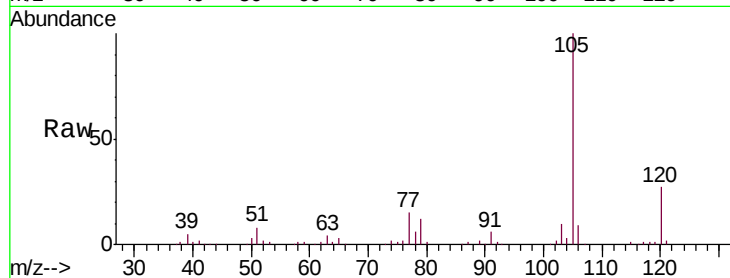
Tgt Ion: 105 Resp: 71102

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.2

77 15.2 12.6 18.8

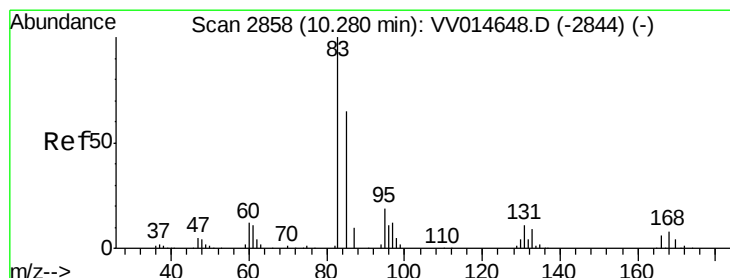
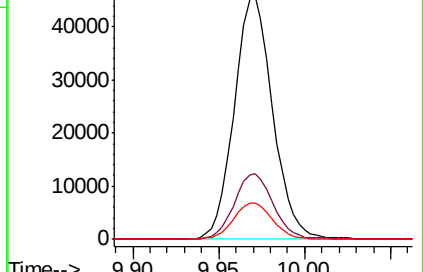
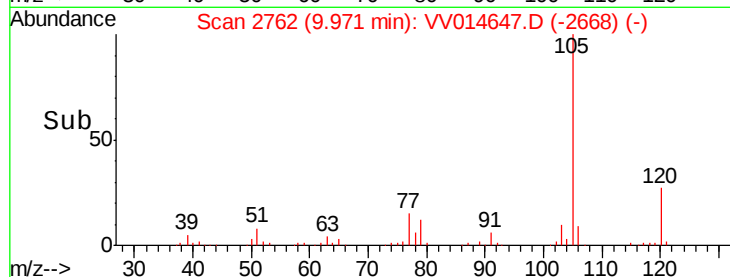


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

9.97



#58

1,1,2,2-Tetrachloroethane

Concen: 9.744 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

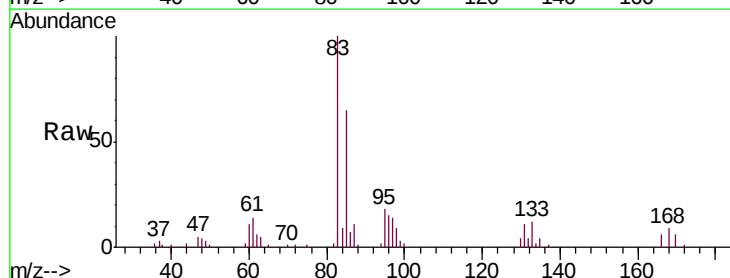
Tgt Ion: 83 Resp: 23761

Ion Ratio Lower Upper

83 100

85 64.8 45.7 84.9

131 10.7 8.8 13.2

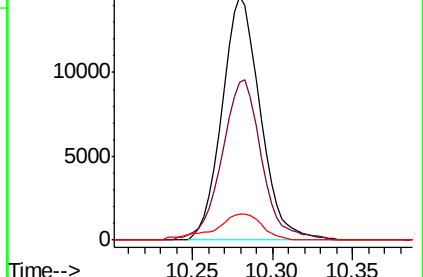
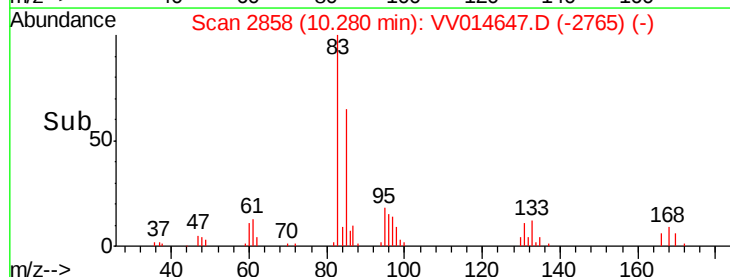


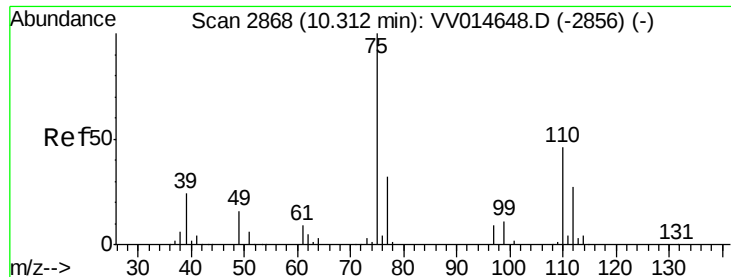
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

10.28





#59

1,2,3-Trichloropropane

Concen: 9.896 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

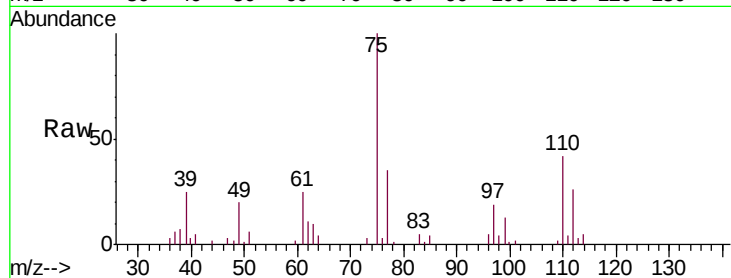
VSTD01062

Tgt Ion: 75 Resp: 19152

Ion Ratio Lower Upper

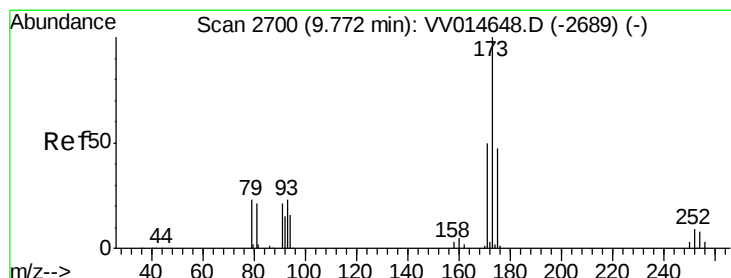
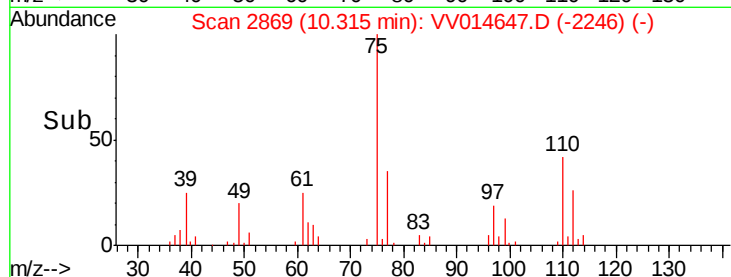
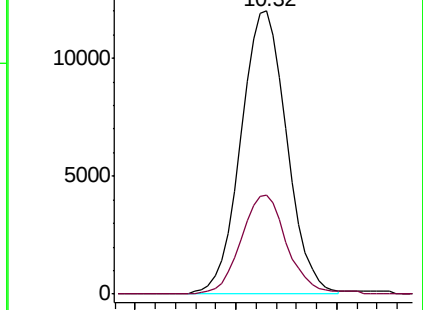
75 100

77 34.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV014647.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014647.D (-2856) (-)



#61

Bromoform

Concen: 9.178 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

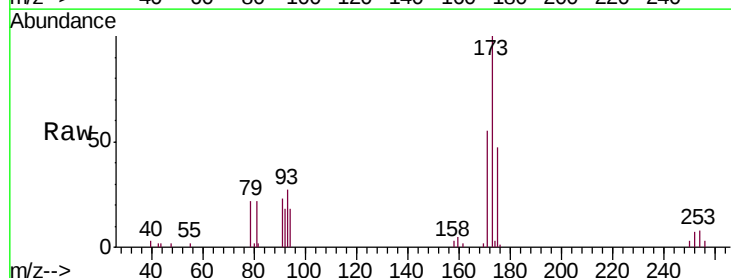
Tgt Ion: 173 Resp: 11405

Ion Ratio Lower Upper

173 100

175 46.3 38.8 58.2

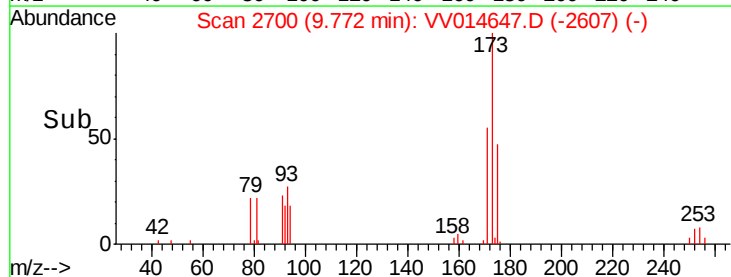
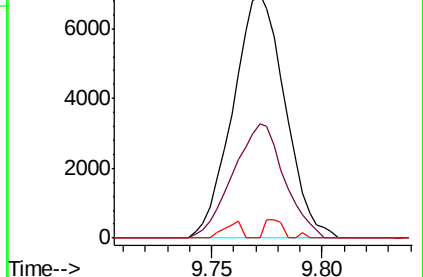
254 2.5 6.7 10.1#

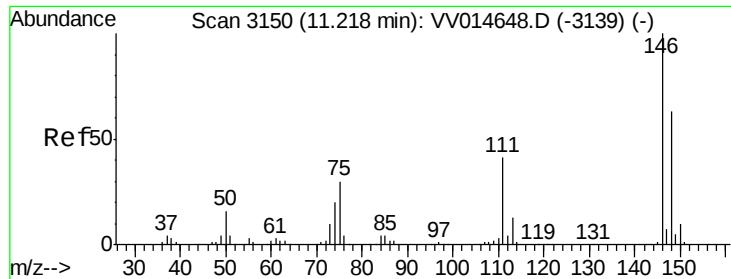


Abundance Ion 173.00 (172.70 to 173.70): VV014647.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV014647.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV014647.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 9.461 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

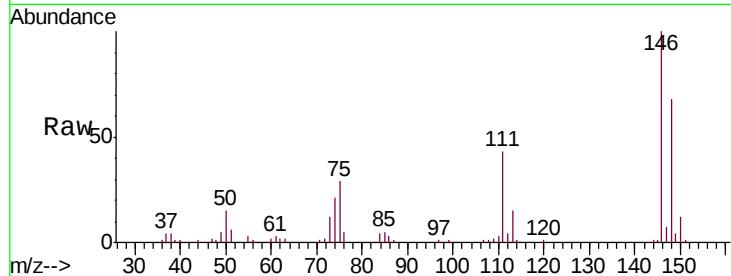
Tgt Ion:146 Resp: 32670

Ion Ratio Lower Upper

146 100

111 42.7 29.0 53.9

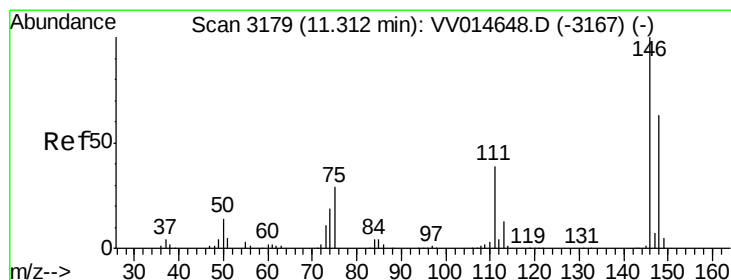
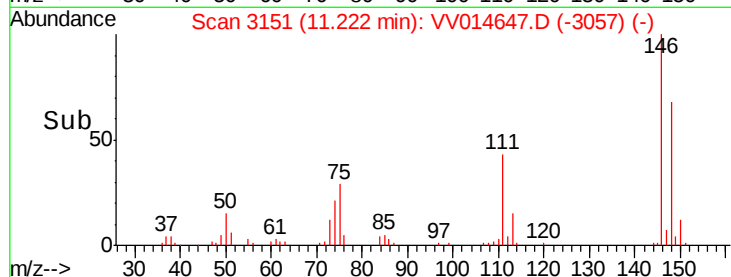
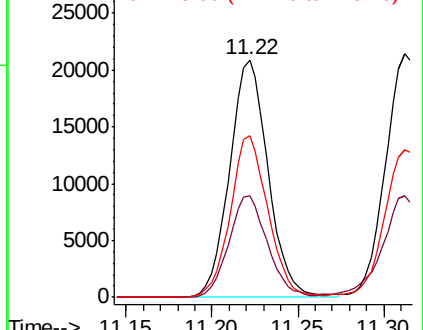
148 68.0 44.2 82.0



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: 9.806 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

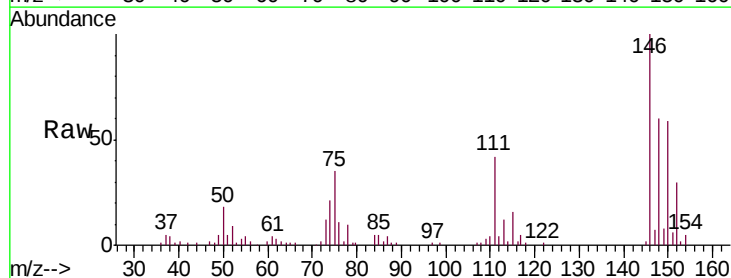
Tgt Ion:146 Resp: 34324

Ion Ratio Lower Upper

146 100

111 41.7 27.6 51.4

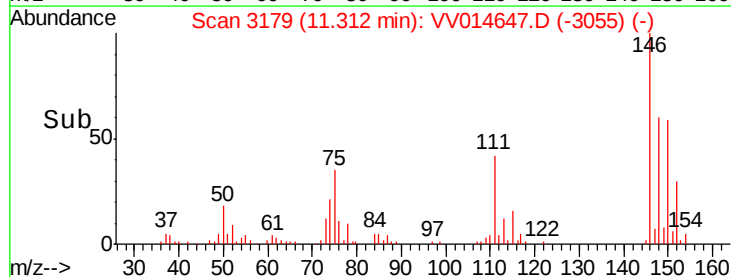
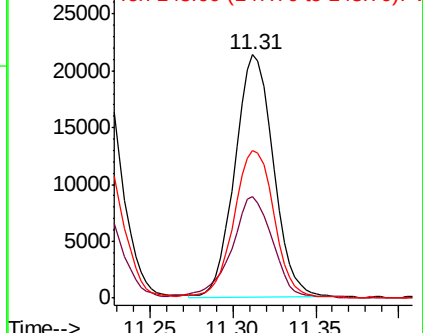
148 60.4 44.0 81.6

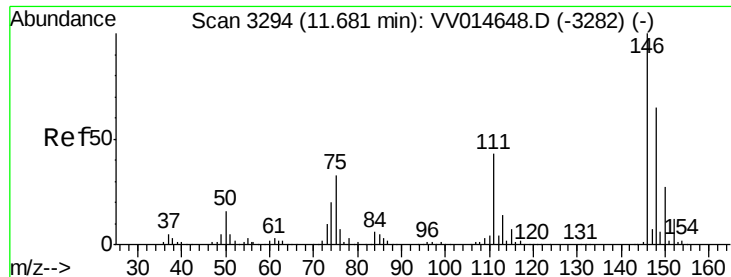


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.182 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

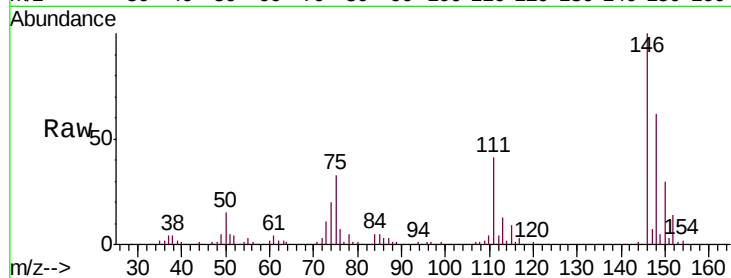
Tgt Ion:146 Resp: 34647

Ion Ratio Lower Upper

146 100

111 41.4 34.4 51.6

148 62.0 51.6 77.4

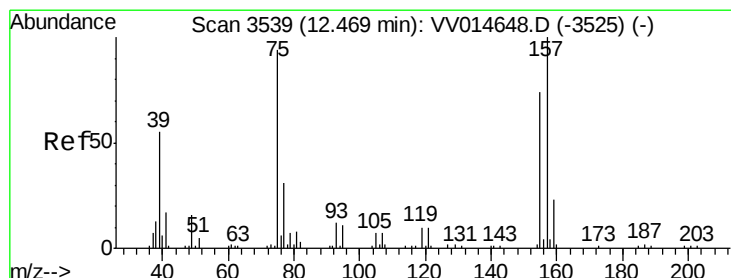
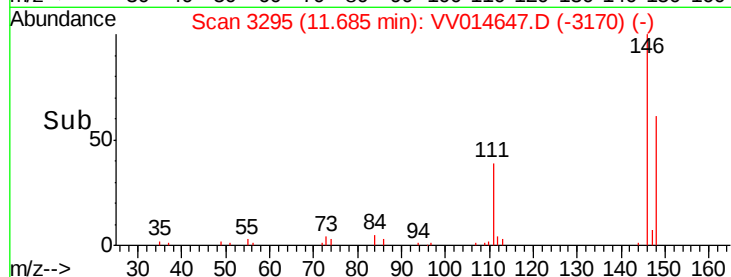
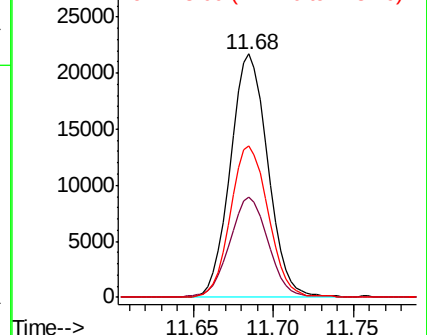


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.244 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

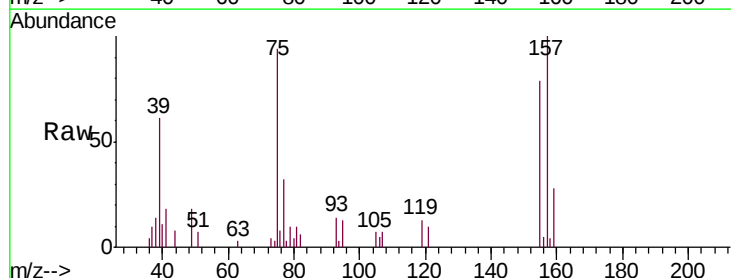
Tgt Ion: 75 Resp: 5755

Ion Ratio Lower Upper

75 100

155 84.1 62.6 93.8

157 106.1 84.7 127.1

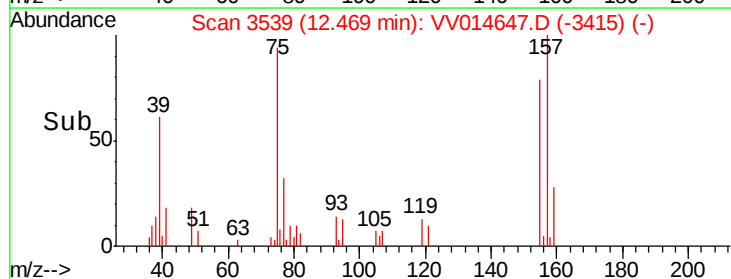
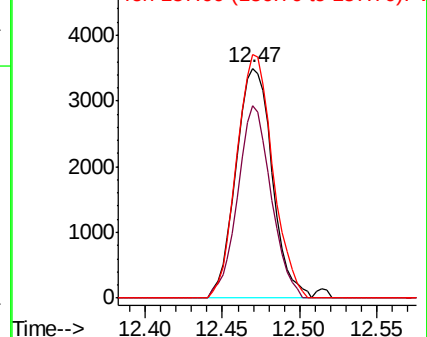


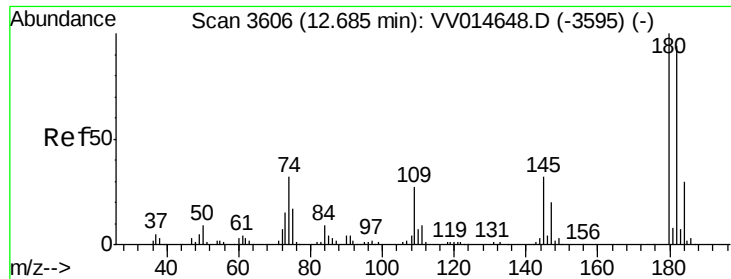
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

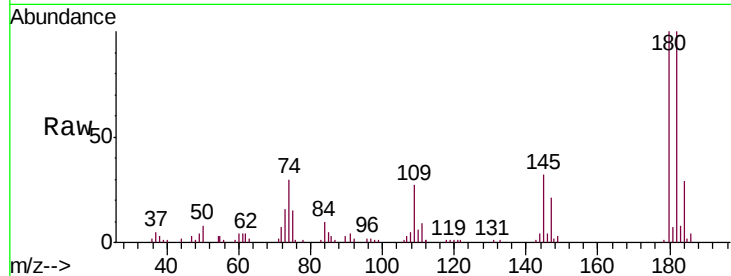




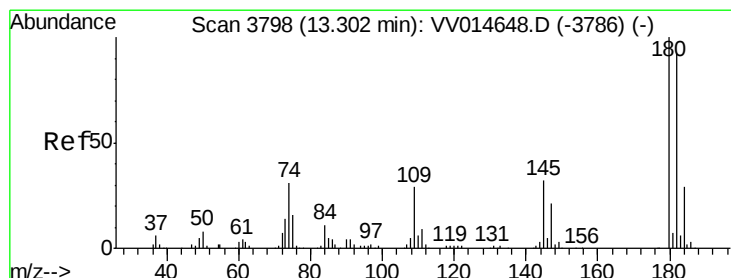
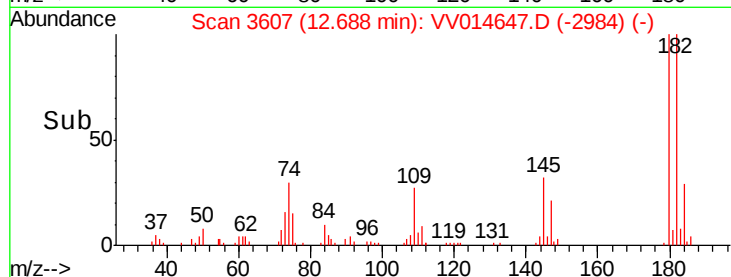
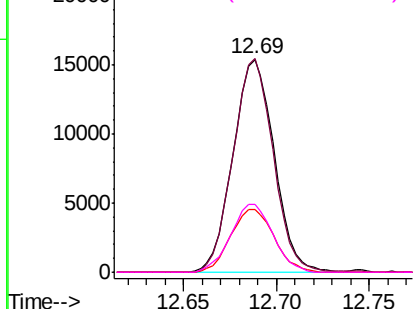
#67
 1,3,5-Trichlorobenzene
 Concen: 9.542 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Tgt Ion:180 Resp: 23853
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.9 113.9
 184 31.2 23.8 35.8
 145 32.7 25.5 38.3

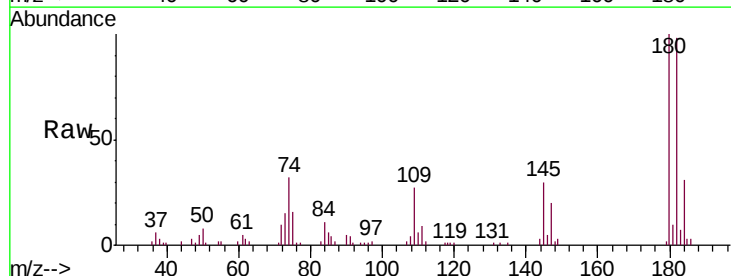


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

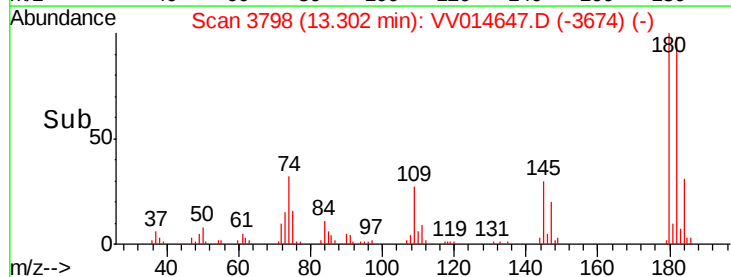
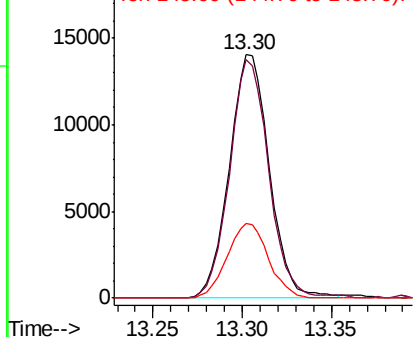


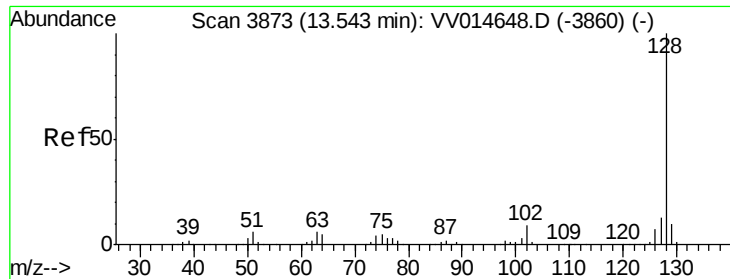
#68
 1,2,4-trichlorobenzene
 Concen: 9.508 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014647.D
 Acq: 21 Feb 2020 12:06

Tgt Ion:180 Resp: 21973
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.3 112.9
 145 31.5 25.9 38.9



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





#69

Naphthalene

Concen: 9.617 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

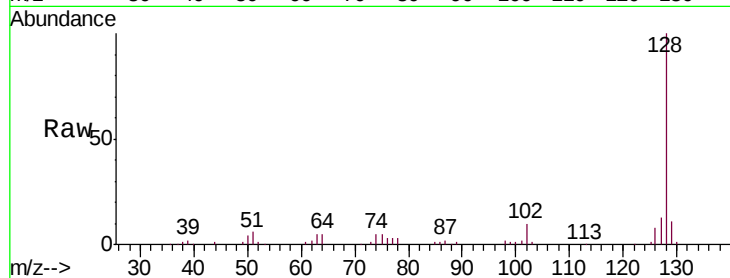
Tgt Ion:128 Resp: 71177

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

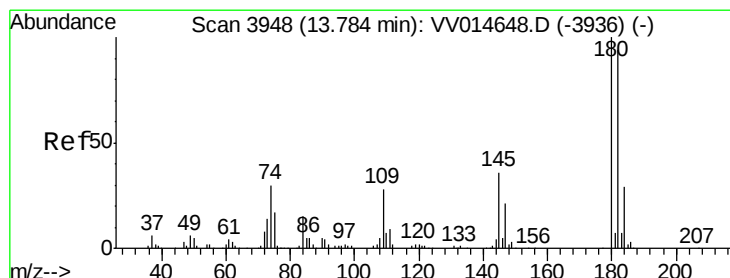
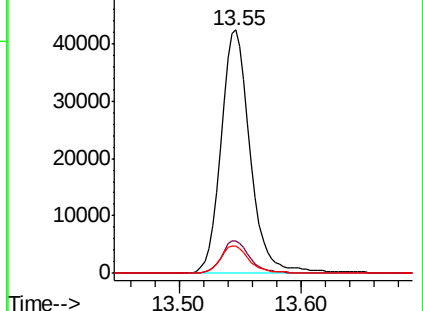
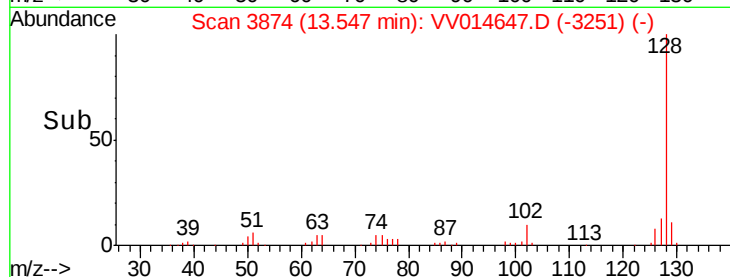
129 11.4 8.5 12.7



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: 10.158 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VV014647.D

Acq: 21 Feb 2020 12:06

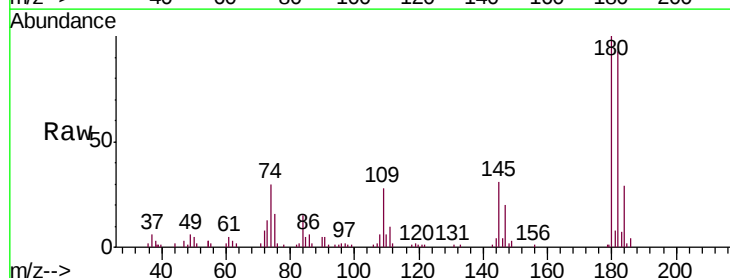
Tgt Ion:180 Resp: 22847

Ion Ratio Lower Upper

180 100

182 92.5 75.4 113.2

145 32.6 28.2 42.2



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

