

Data File : VV013108.D
Acq On : 11 Oct 2019 17:54
Operator : SY/MD
Sample : VSTD05066
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Quant Time: Oct 12 00:36:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 00:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	764646	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	716411	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	348883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260003	57.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	214389	53.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	476728	54.87	ug/L	0.00
21) 2-Butanone-d5	3.93	46	394733	88.70	ug/L	0.00
24) Chloroform-d	4.40	84	499480	46.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	308929	47.44	ug/L	0.00
32) Benzene-d6	5.10	84	1046570	53.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	326773	48.15	ug/L	0.00
41) Toluene-d8	7.36	98	942389	53.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	145950	51.08	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	266579	101.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	422002	48.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	363668	45.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	293818	55.744	ug/L	100
3) Chloromethane	1.25	50	335839	59.467	ug/L	100
5) Vinyl chloride	1.33	62	324401	58.106	ug/L	100
6) Bromomethane	1.53	94	149052	50.031	ug/L	100
8) Chloroethane	1.60	64	195976	56.823	ug/L	100
9) Trichlorofluoromethane	1.77	101	419009	54.620	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	248720	53.063	ug/L	100
12) 1,1-Dichloroethene	2.14	96	238721	57.076	ug/L	100
13) Acetone	2.19	43	329990	91.555	ug/L	100
14) Carbon disulfide	2.32	76	681397	69.624	ug/L	100
15) Methyl Acetate	2.46	43	297329	49.979	ug/L	100
16) Methylene chloride	2.54	84	281413	52.311	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	261664	56.994	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	778980	50.788	ug/L	100
19) 1,1-Dichloroethane	3.23	63	490182	50.969	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	292783	52.684	ug/L	100
22) 2-Butanone	4.01	43	452687	99.398	ug/L	100
23) Bromochloromethane	4.30	128	148102	52.628	ug/L	100
25) Chloroform	4.42	83	490203	49.016	ug/L	100
27) 1,2-Dichloroethane	5.18	62	382647	50.745	ug/L	100
29) Cyclohexane	4.73	56	450231	62.318	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	403752	52.843	ug/L	100
31) Carbon tetrachloride	4.88	117	358817	54.157	ug/L	100
33) Benzene	5.15	78	1126156	55.993	ug/L	100
34) Trichloroethene	5.96	95	290918	50.795	ug/L	100
35) Methylcyclohexane	6.18	83	459762	61.255	ug/L	100
37) 1,2-Dichloropropane	6.22	63	290861	51.266	ug/L	100
38) Bromodichloromethane	6.55	83	366644	50.406	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	439694	54.676	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	781045	100.676	ug/L	100

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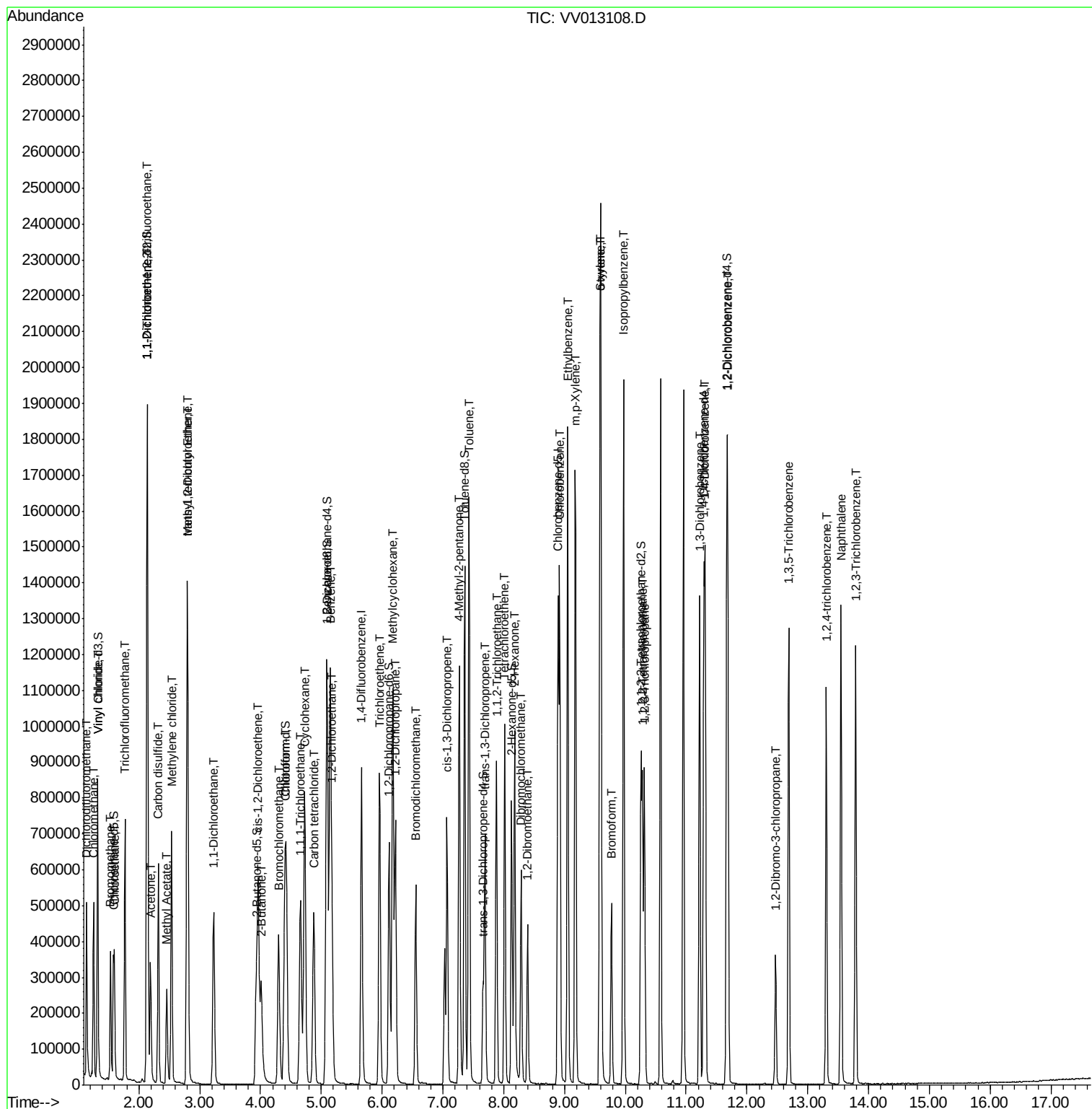
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1187566	57.070	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	377061	53.480	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	274918	49.928	ug/L	100
46) Tetrachloroethene	8.02	164	233608	57.161	ug/L	100
48) 2-Hexanone	8.18	43	608143	98.131	ug/L	100
49) Dibromochloromethane	8.29	129	299812	51.761	ug/L	100
50) 1,2-Dibromoethane	8.39	107	284948	52.984	ug/L	100
51) Chlorobenzene	8.92	112	745773	52.816	ug/L	100
52) Ethylbenzene	9.05	91	1269001	55.846	ug/L	100
53) m,p-Xylene	9.18	106	484650	57.604	ug/L	100
54) o-xylene	9.59	106	480177	56.509	ug/L	100
55) Styrene	9.60	104	802636	56.260	ug/L	100
56) Isopropylbenzene	9.97	105	1243832	56.056	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	403931	53.011	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	351835	49.205	ug/L	100
61) Bromoform	9.77	173	222206	51.597	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	566568	51.980	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	565904	50.732	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	574106	50.312	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	83948	53.317	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	402580	50.304	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	345628	50.842	ug/L	100
69) Naphthalene	13.55	128	1023968	52.546	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	379410	51.820	ug/L	100

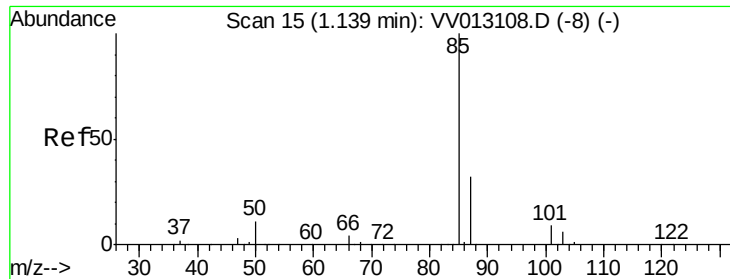
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 55.744 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

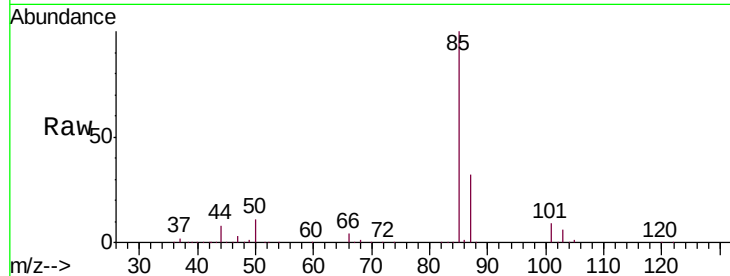
VSTD05066

Tgt Ion: 85 Resp: 293818

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

300000

250000

200000

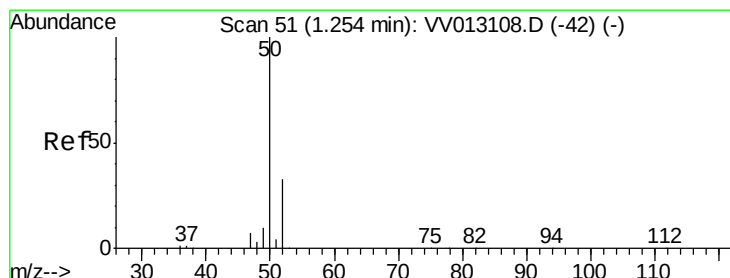
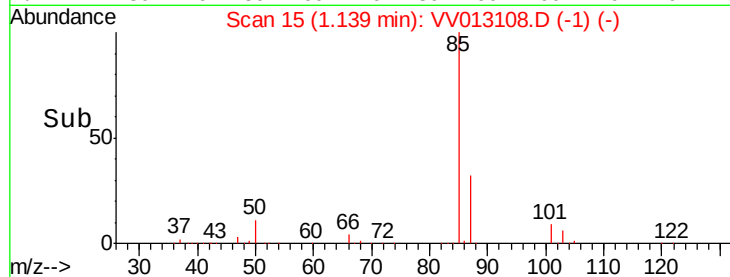
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 59.467 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV013108.D

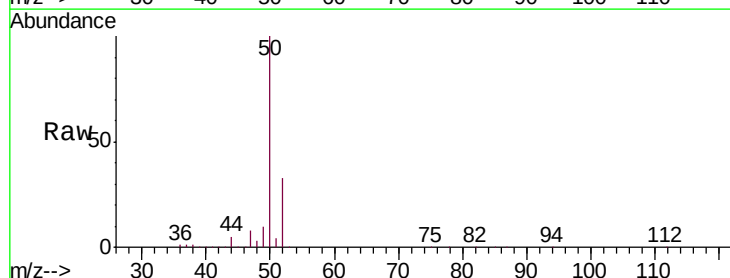
Acq: 11 Oct 2019 17:54

Tgt Ion: 50 Resp: 335839

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

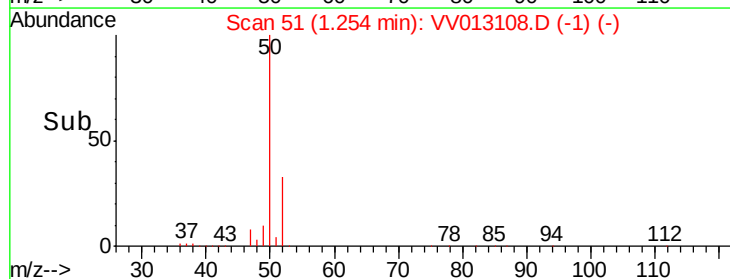
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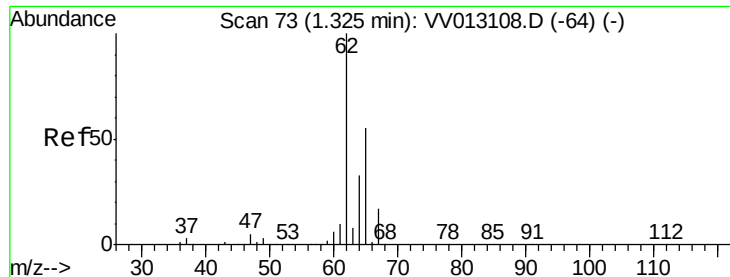
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 58.106 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

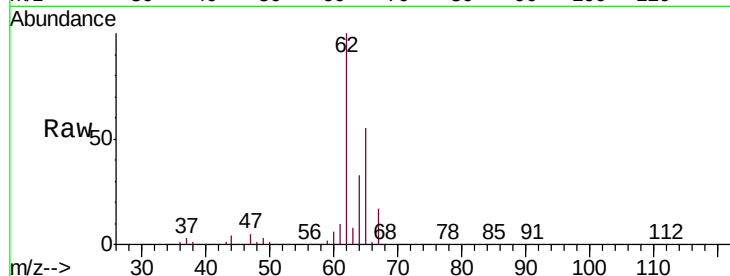
VSTD05066

Tgt Ion: 62 Resp: 324401

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

300000

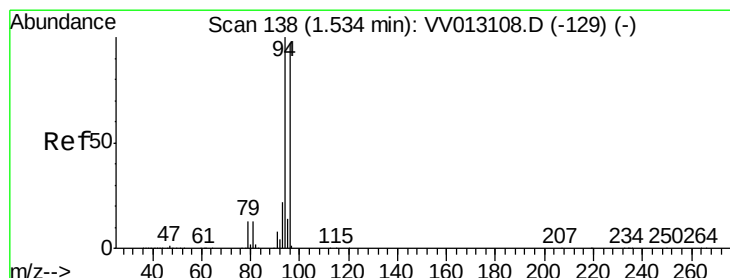
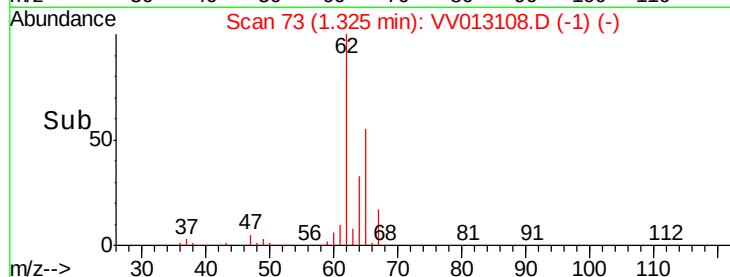
200000

100000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 50.031 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013108.D

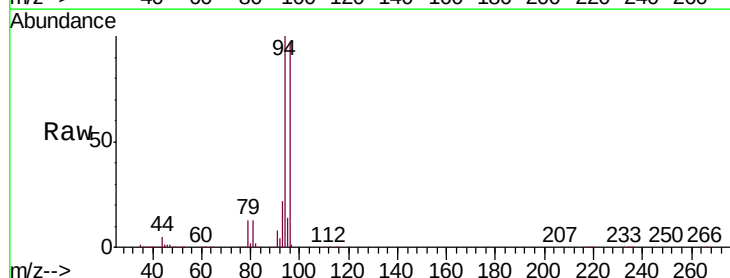
Acq: 11 Oct 2019 17:54

Tgt Ion: 94 Resp: 149052

Ion Ratio Lower Upper

94 100

96 97.1 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

150000

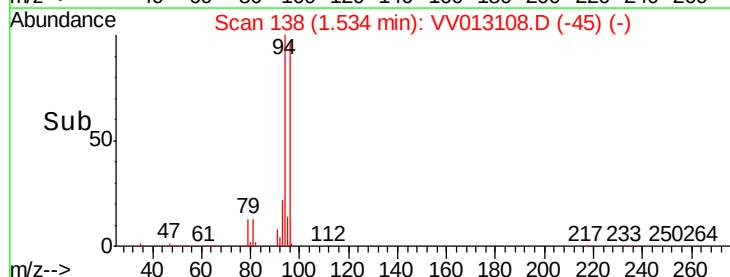
100000

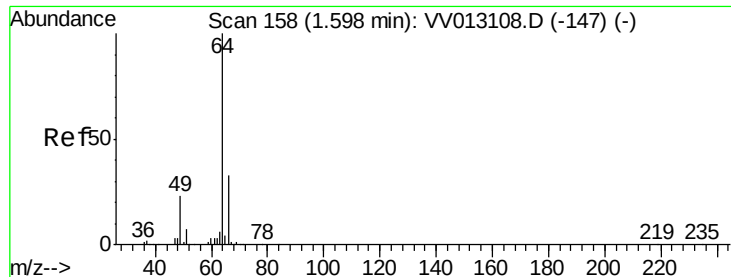
50000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 56.823 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

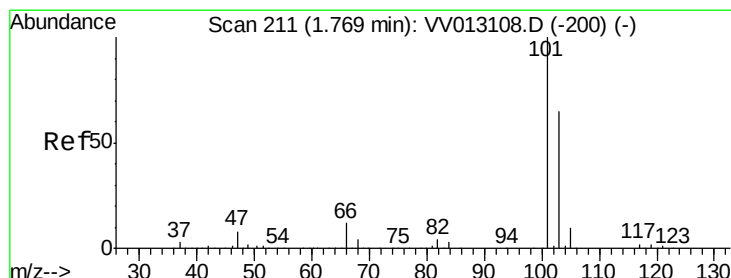
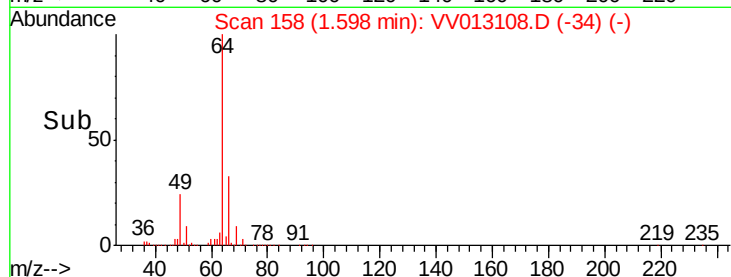
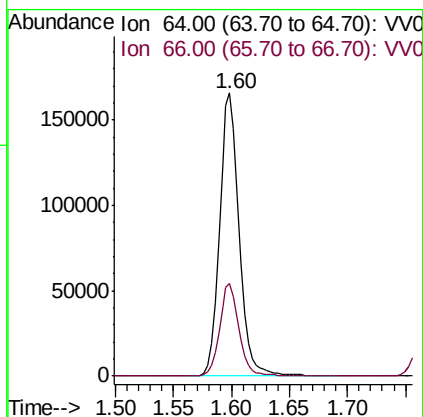
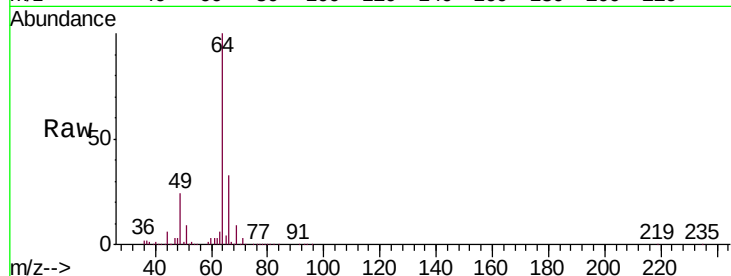
VSTD05066

Tgt Ion: 64 Resp: 195976

Ion Ratio Lower Upper

64 100

66 32.9 23.0 42.8



#9

Trichlorofluoromethane

Concen: 54.620 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013108.D

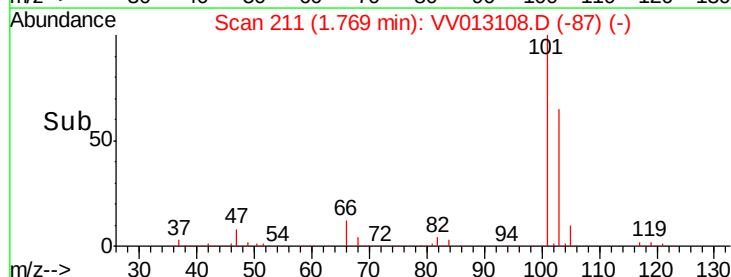
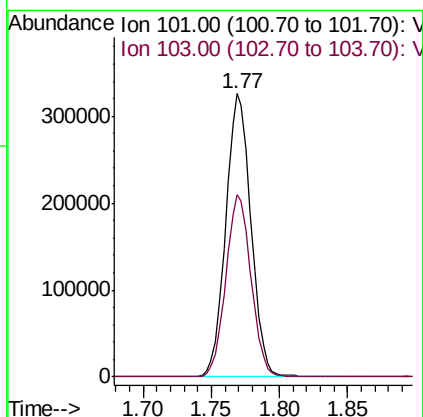
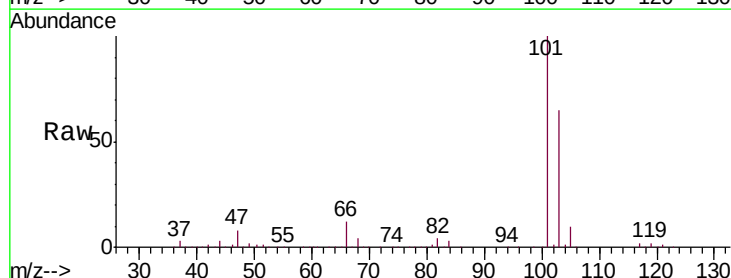
Acq: 11 Oct 2019 17:54

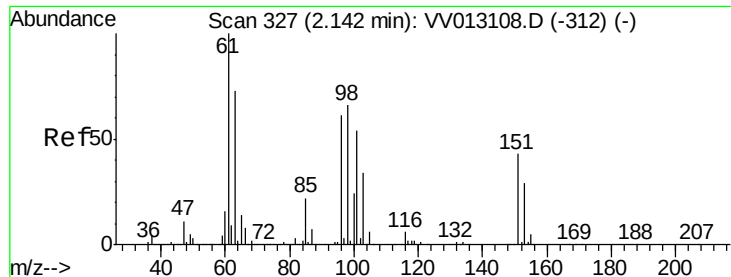
Tgt Ion: 101 Resp: 419009

Ion Ratio Lower Upper

101 100

103 64.1 51.3 76.9





#10

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

Concen: 53.063 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

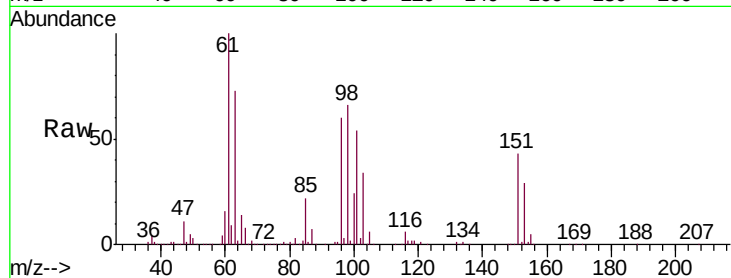
Tgt Ion: 101 Resp: 248720

Ion Ratio Lower Upper

101 100

85 41.1 32.9 49.3

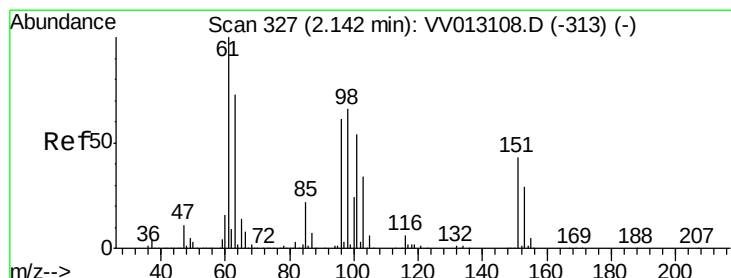
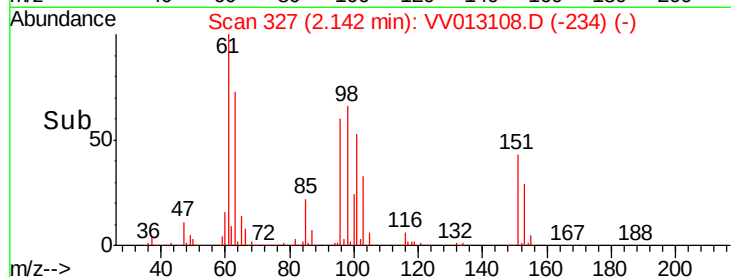
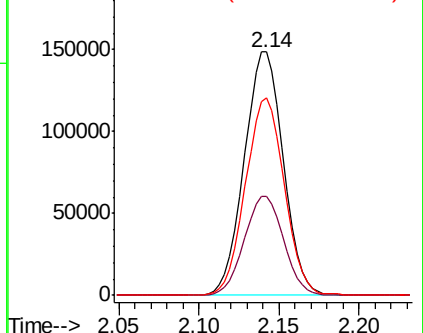
151 81.1 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): VV013108.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV013108.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV013108.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 57.076 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

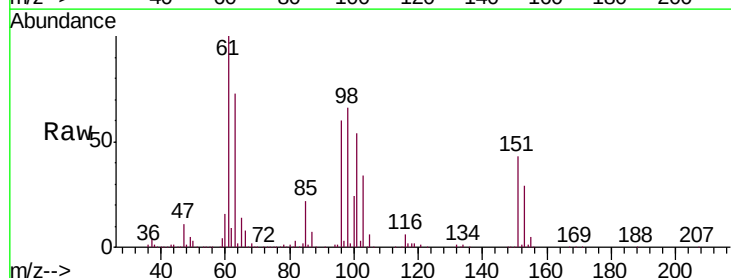
Tgt Ion: 96 Resp: 238721

Ion Ratio Lower Upper

96 100

61 165.3 115.7 214.9

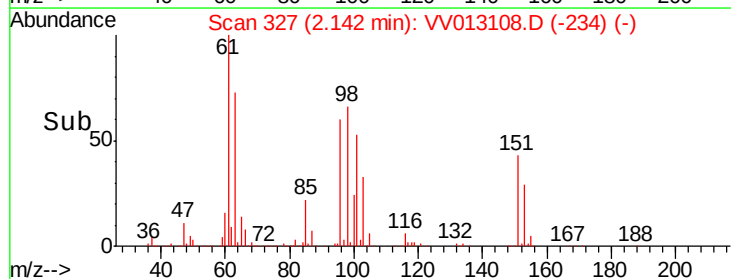
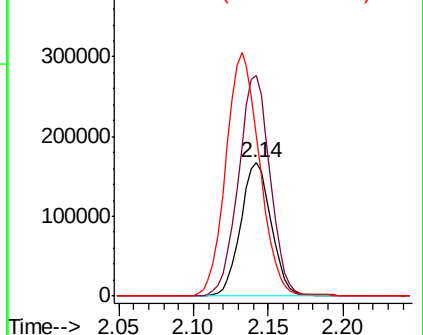
63 120.4 84.3 156.5

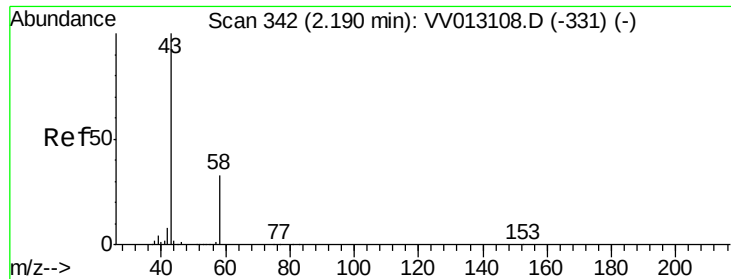


Abundance Ion 96.00 (95.70 to 96.70): VV013108.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV013108.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV013108.D (-234) (-)





#13

Acetone

Concen: 91.555 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

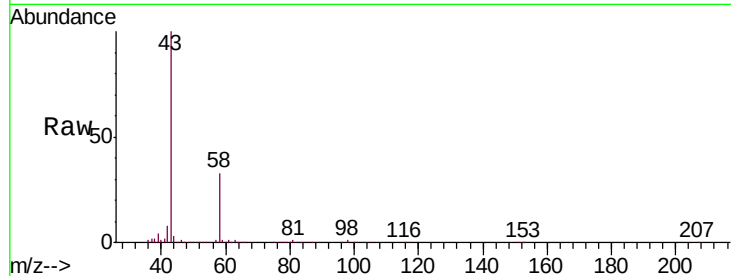
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion: 43 Resp: 329990

Ion Ratio Lower Upper

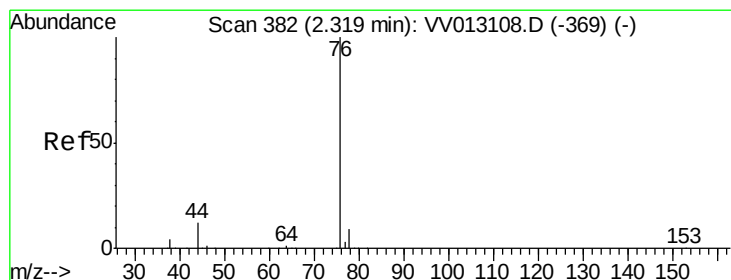
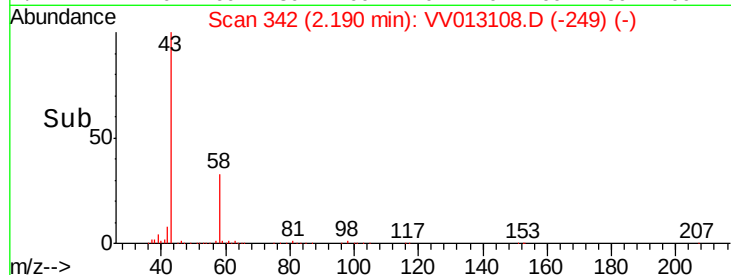
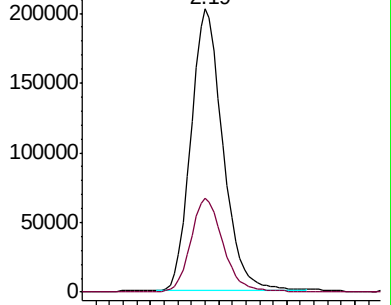
43 100

58 33.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV013108.D (-331) (-)



#14

Carbon disulfide

Concen: 69.624 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013108.D

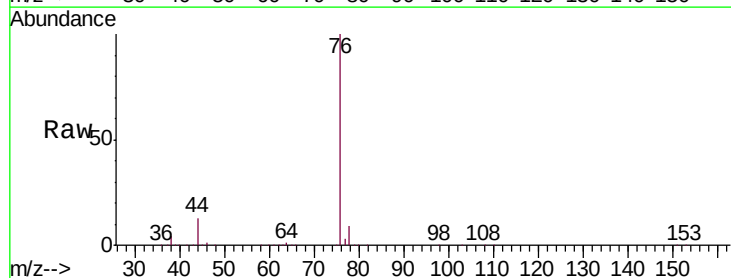
Acq: 11 Oct 2019 17:54

Tgt Ion: 76 Resp: 681397

Ion Ratio Lower Upper

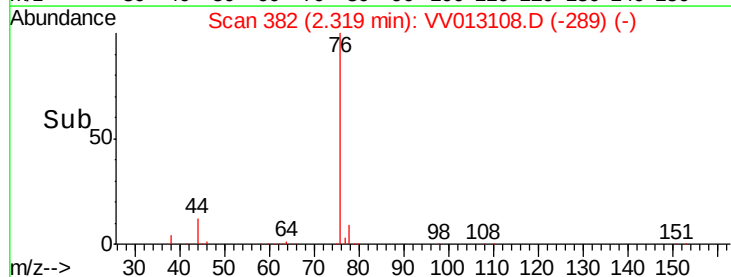
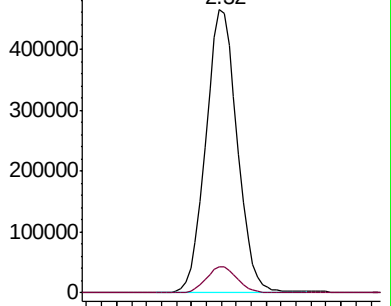
76 100

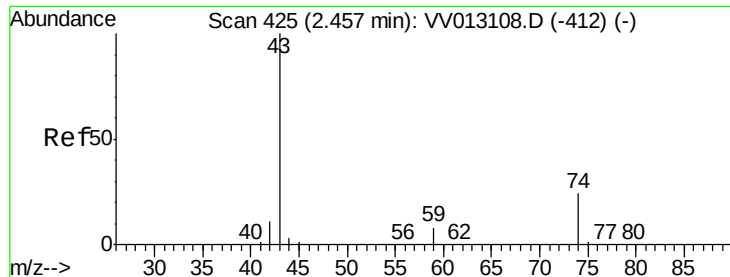
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013108.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013108.D (-369) (-)





#15

Methyl Acetate

Concen: 49.979 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

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Acq: 11 Oct 2019 17:54

Instrument :

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ClientSampleId :

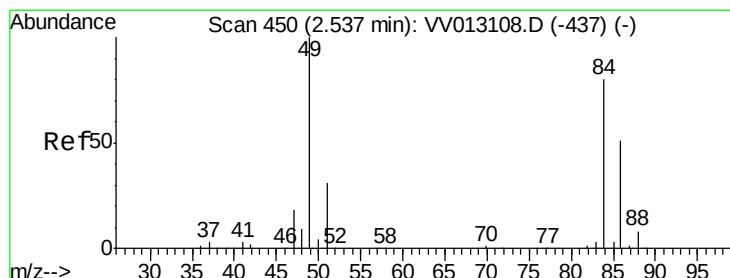
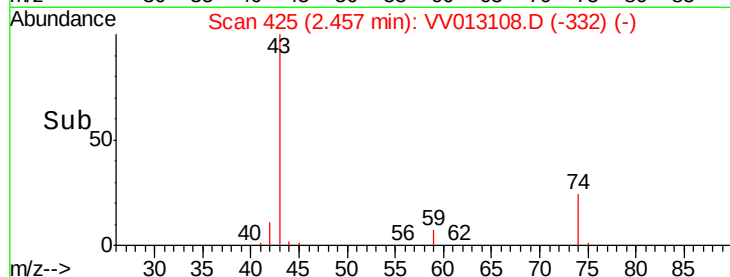
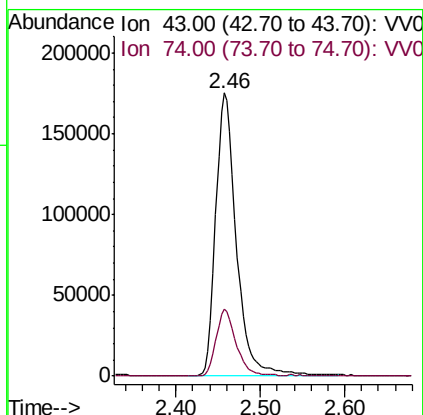
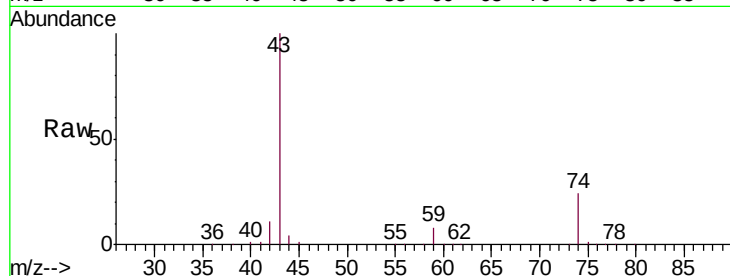
VSTD05066

Tgt Ion: 43 Resp: 297329

Ion Ratio Lower Upper

43 100

74 23.0 18.4 27.6



#16

Methylene chloride

Concen: 52.311 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

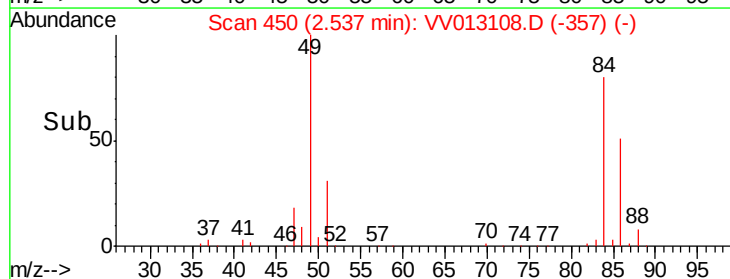
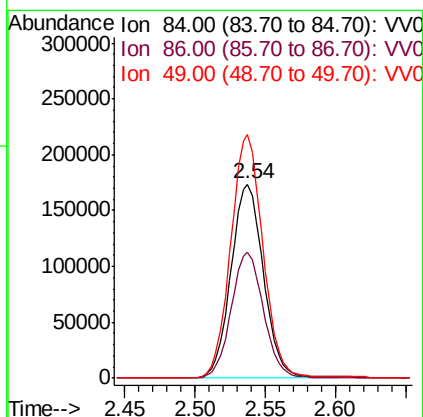
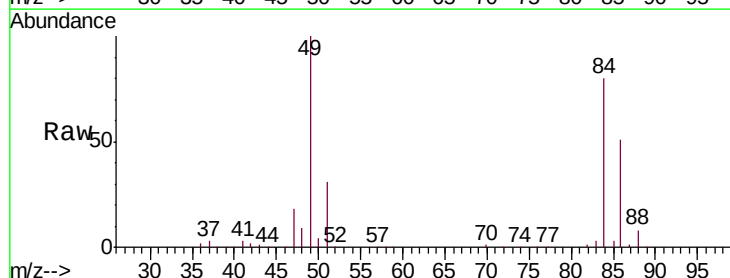
Tgt Ion: 84 Resp: 281413

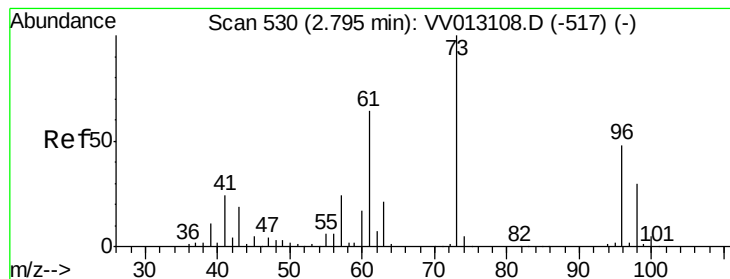
Ion Ratio Lower Upper

84 100

86 64.5 45.1 83.9

49 125.4 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 56.994 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

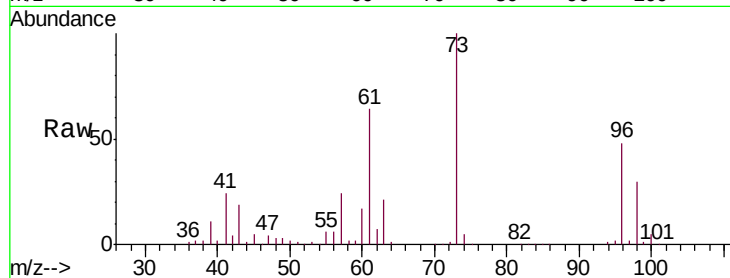
Tgt Ion: 96 Resp: 261664

Ion Ratio Lower Upper

96 100

61 134.2 93.9 174.5

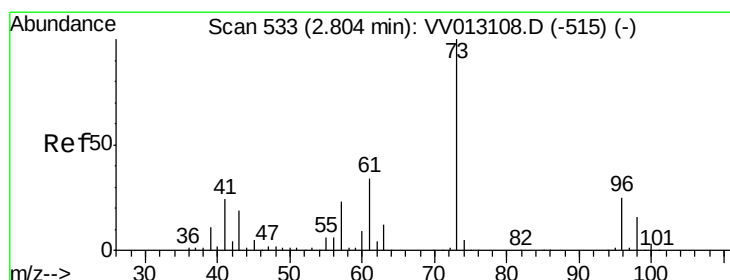
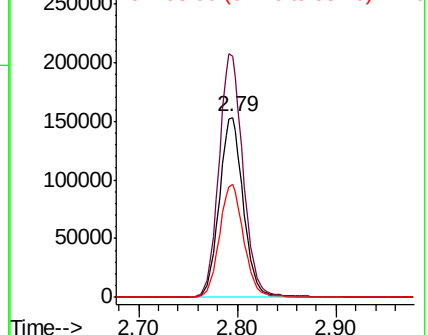
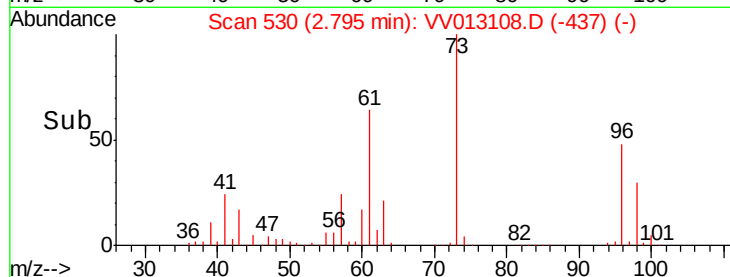
98 62.7 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.788 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

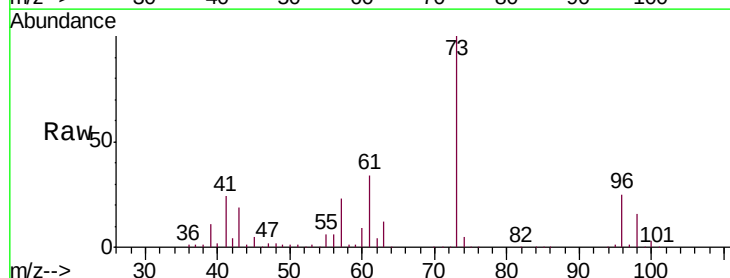
Tgt Ion: 73 Resp: 778980

Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.6

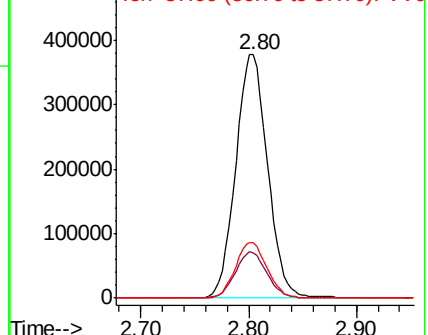
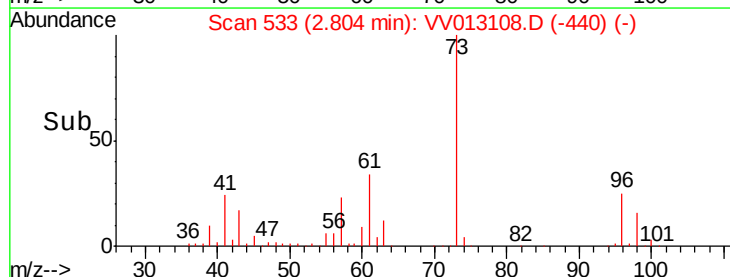
57 22.7 18.2 27.2

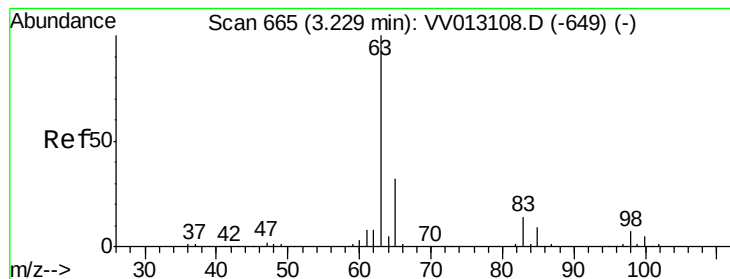


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 50.969 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

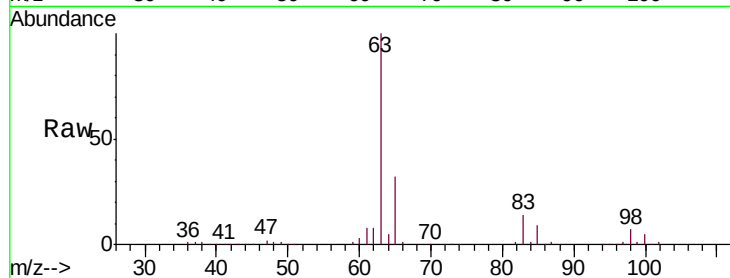
Tgt Ion: 63 Resp: 490182

Ion Ratio Lower Upper

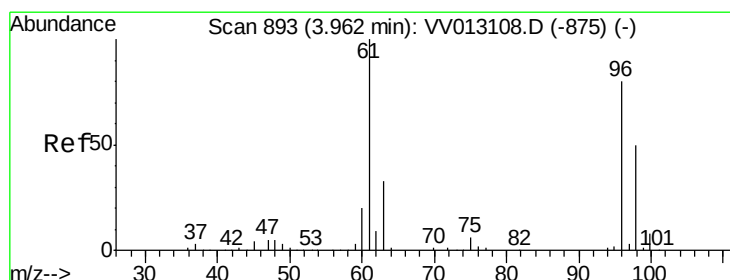
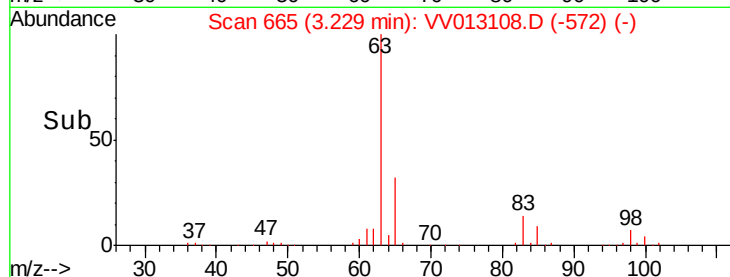
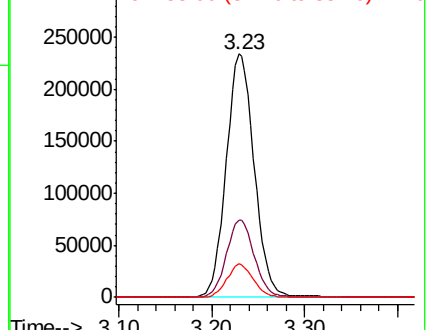
63 100

65 31.6 22.1 41.1

83 13.6 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 52.684 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

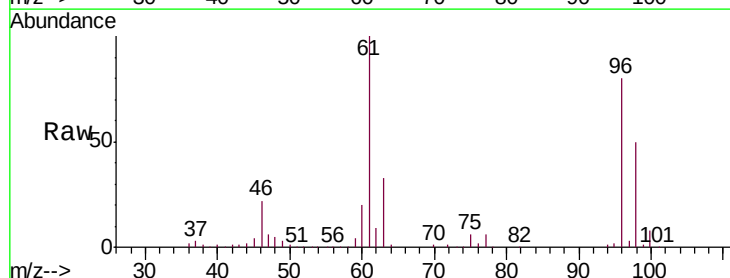
Tgt Ion: 96 Resp: 292783

Ion Ratio Lower Upper

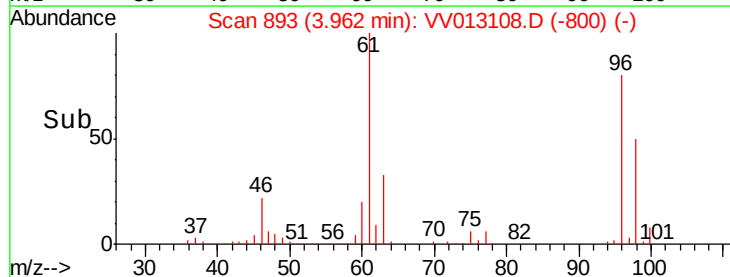
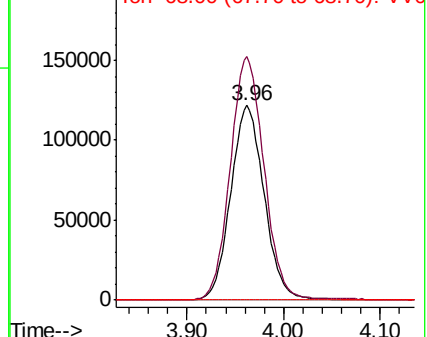
96 100

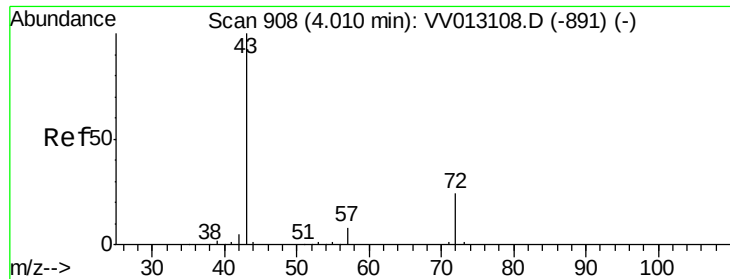
61 125.0 87.5 162.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 99.398 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

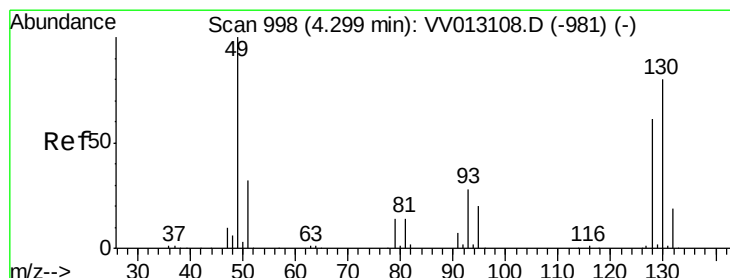
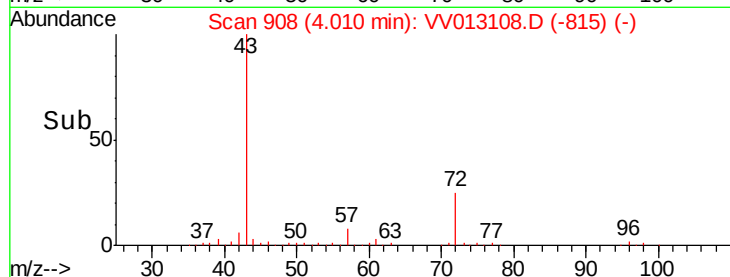
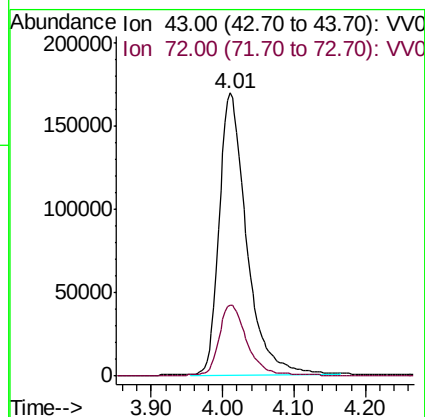
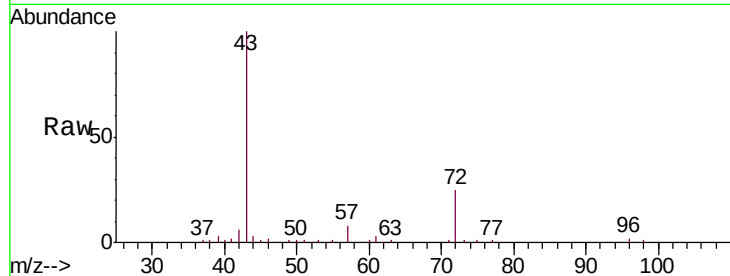
VSTD05066

Tgt Ion: 43 Resp: 452687

Ion Ratio Lower Upper

43 100

72 25.6 12.8 38.4



#23

Bromochloromethane

Concen: 52.628 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Tgt Ion: 128 Resp: 148102

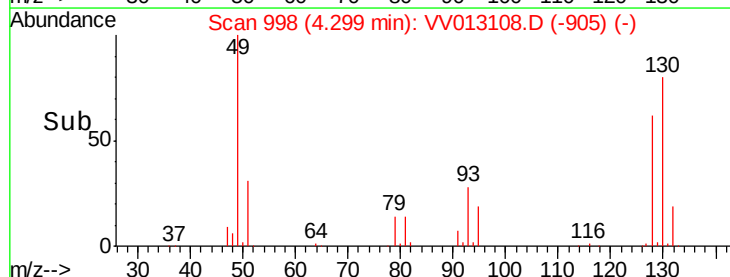
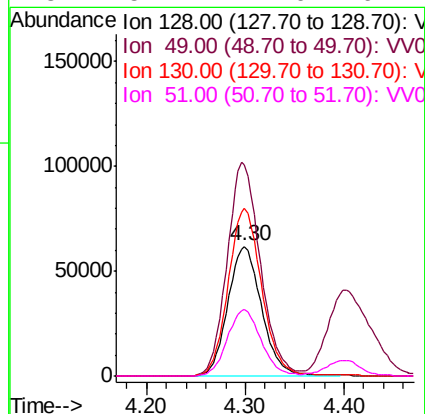
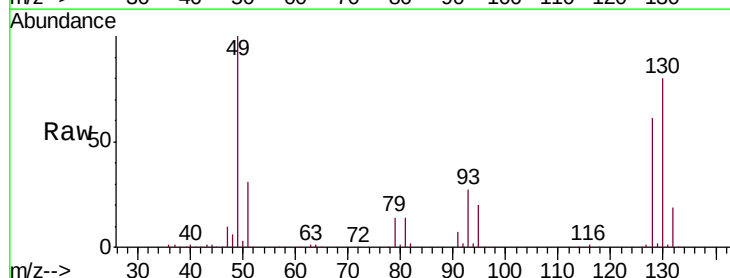
Ion Ratio Lower Upper

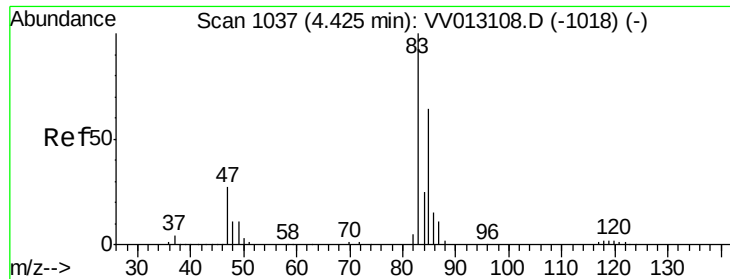
128 100

49 162.8 114.0 211.6

130 129.7 90.8 168.6

51 51.2 41.0 61.4

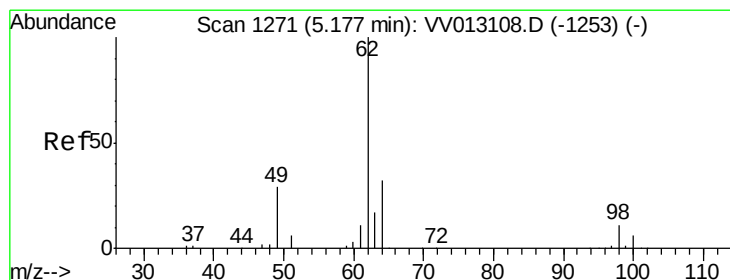
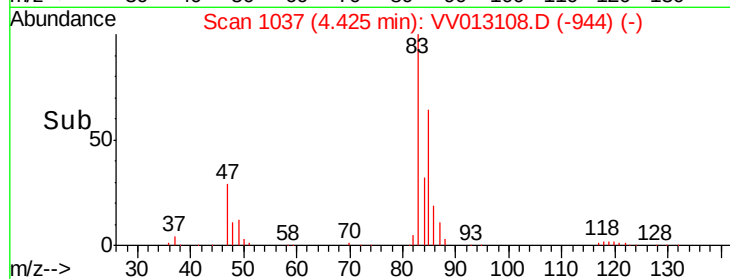
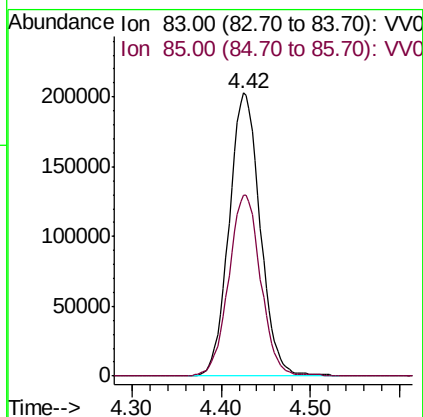
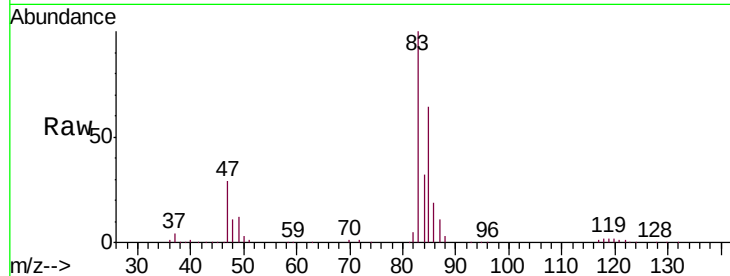




#25
Chloroform
Concen: 49.016 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

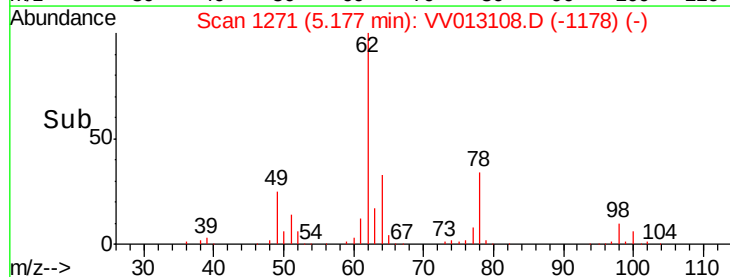
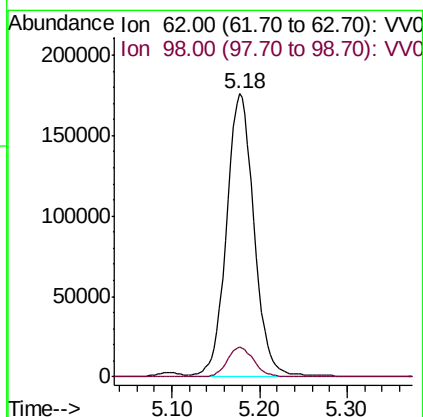
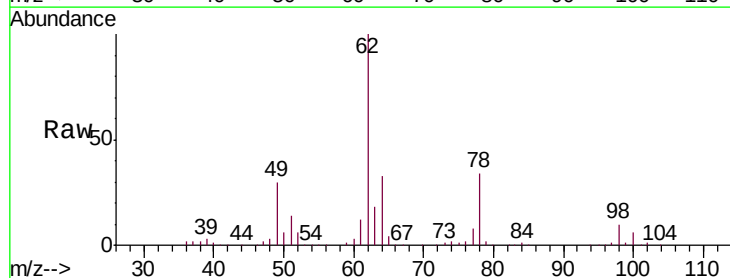
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

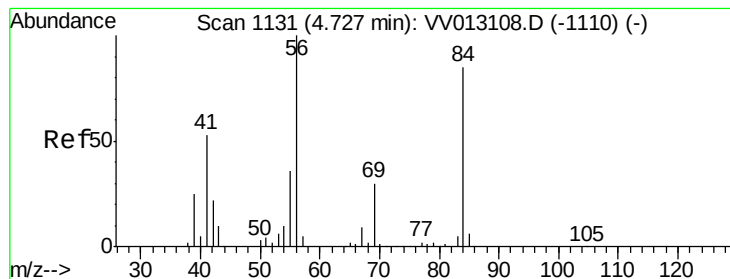
Tgt Ion: 83 Resp: 490203
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.745 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Tgt Ion: 62 Resp: 382647
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 62.318 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

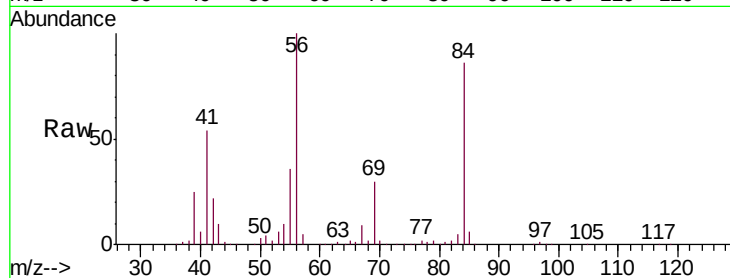
Tgt Ion: 56 Resp: 450231

Ion Ratio Lower Upper

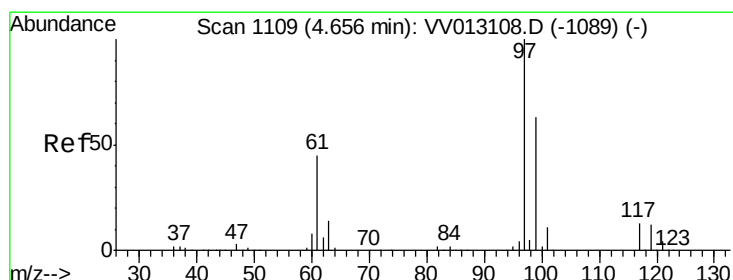
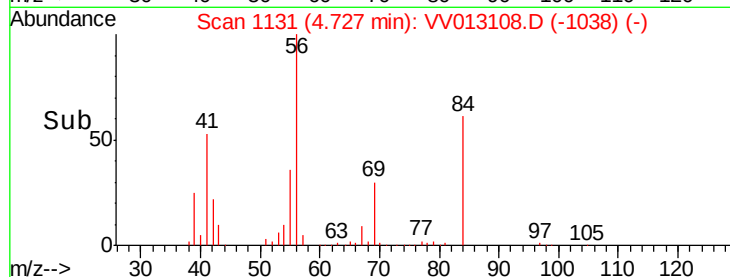
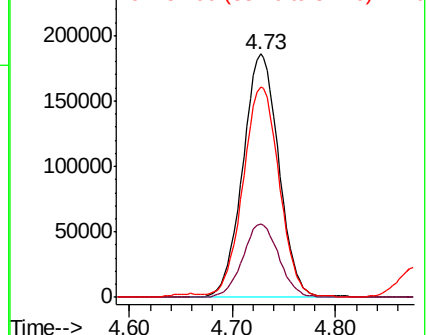
56 100

69 30.3 24.2 36.4

84 87.4 69.9 104.9



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: 52.843 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

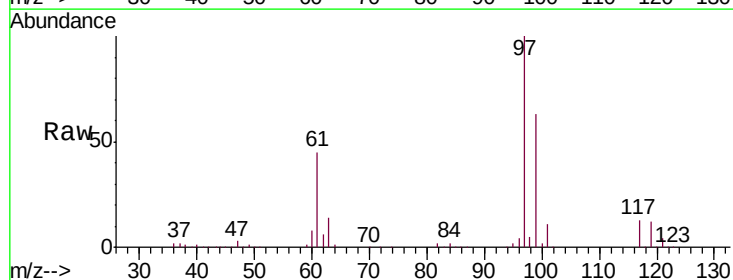
Tgt Ion: 97 Resp: 403752

Ion Ratio Lower Upper

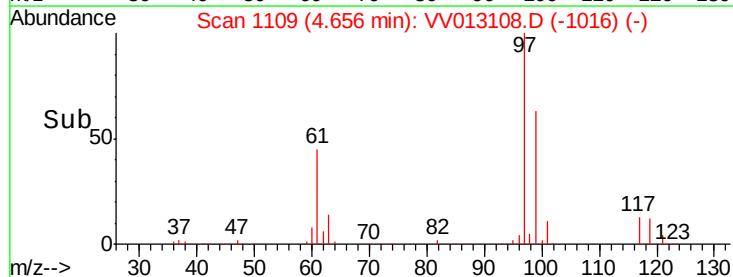
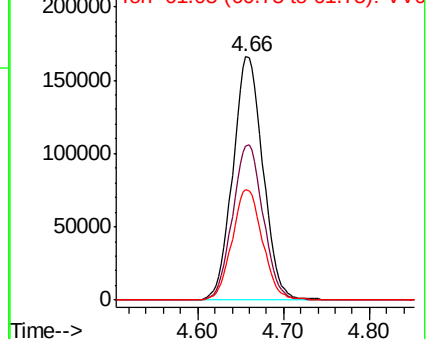
97 100

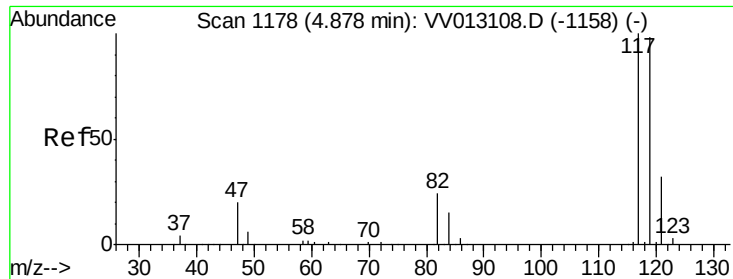
99 64.9 51.9 77.9

61 46.0 36.8 55.2



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

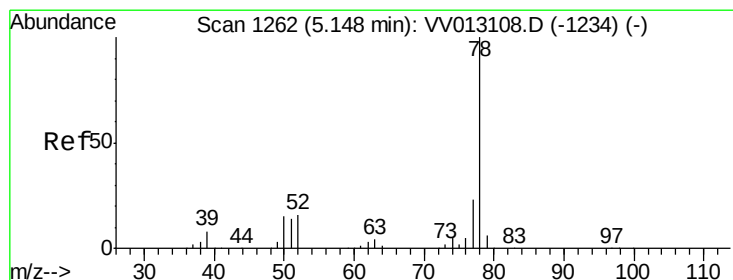
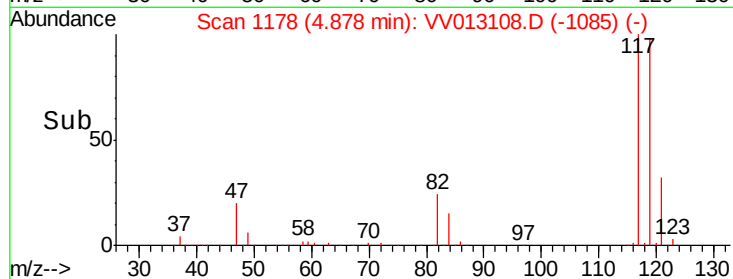
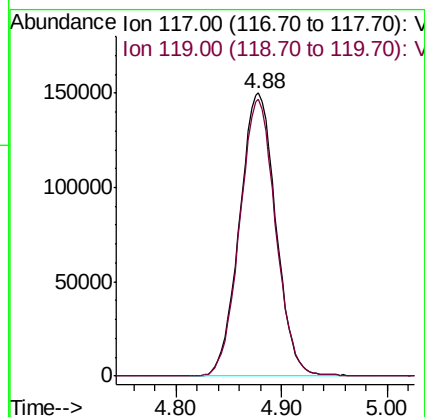
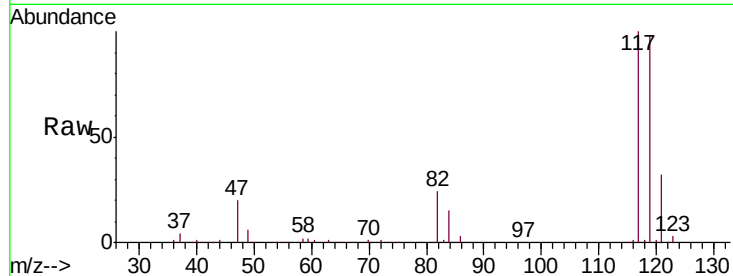




#31
Carbon tetrachloride
Concen: 54.157 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

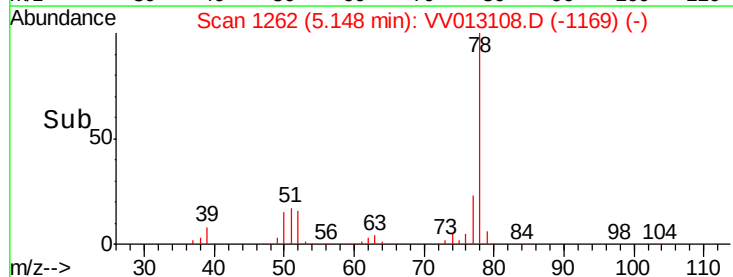
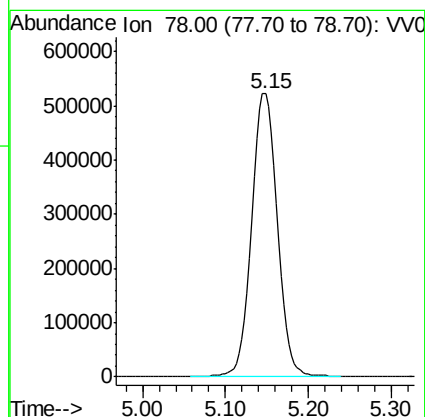
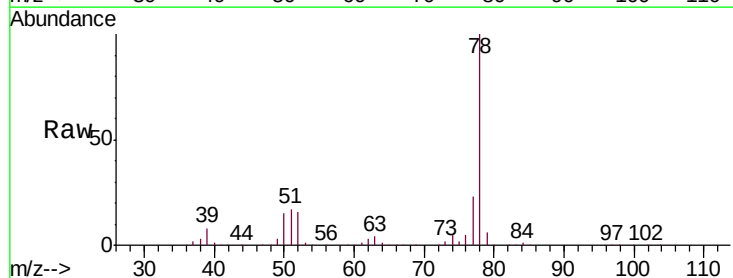
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

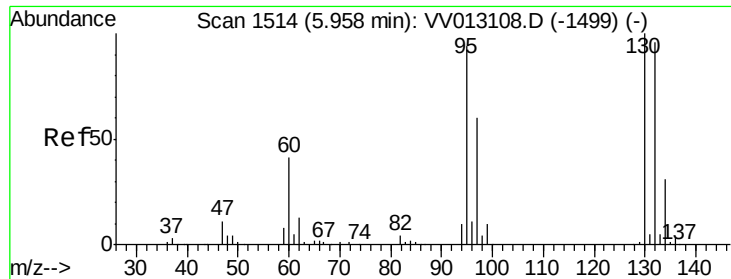
Tgt Ion:117 Resp: 358817
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0



#33
Benzene
Concen: 55.993 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Tgt Ion: 78 Resp: 1126156





#34

Trichloroethene

Concen: 50.795 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion: 95 Resp: 290918

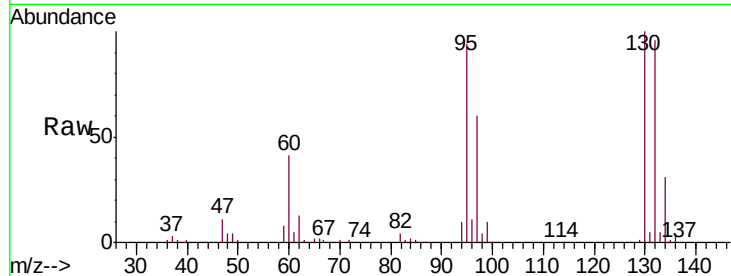
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 102.0 71.4 132.6

130 106.0 74.2 137.8

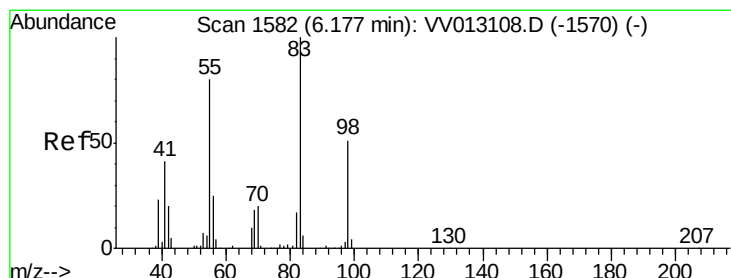
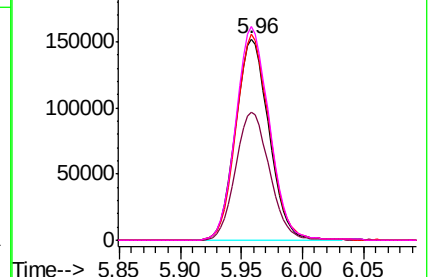
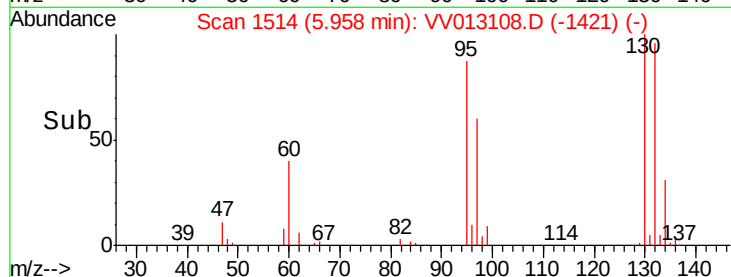


Abundance Ion 95.00 (94.70 to 95.70): VV013108.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV013108.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV013108.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV013108.D (-1499) (-)



#35

Methylcyclohexane

Concen: 61.255 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

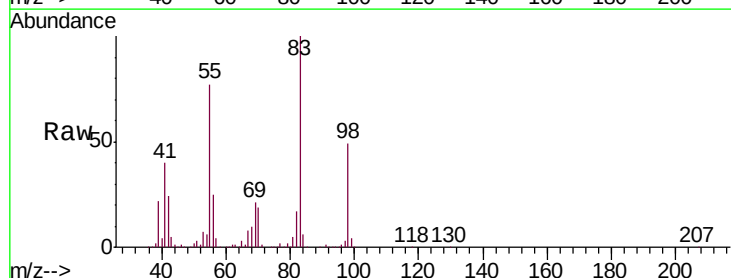
Tgt Ion: 83 Resp: 459762

Ion Ratio Lower Upper

83 100

55 76.5 61.2 91.8

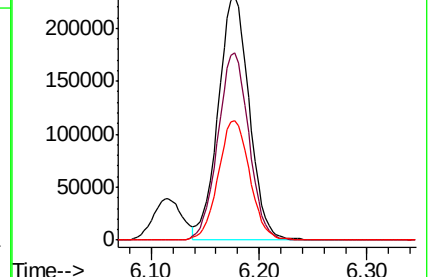
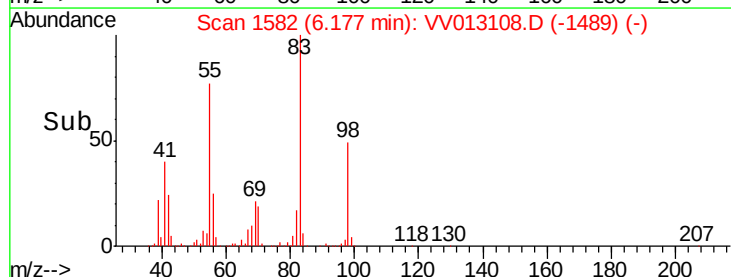
98 50.1 40.1 60.1

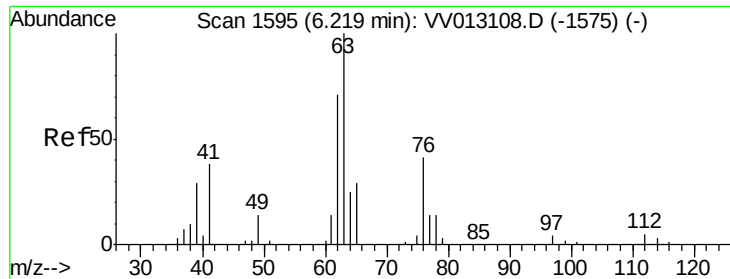


Abundance Ion 83.00 (82.70 to 83.70): VV013108.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV013108.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV013108.D (-1570) (-)

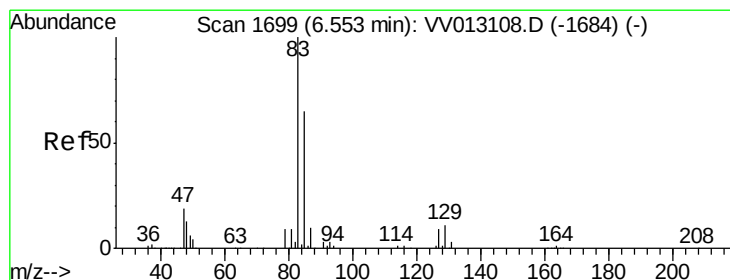
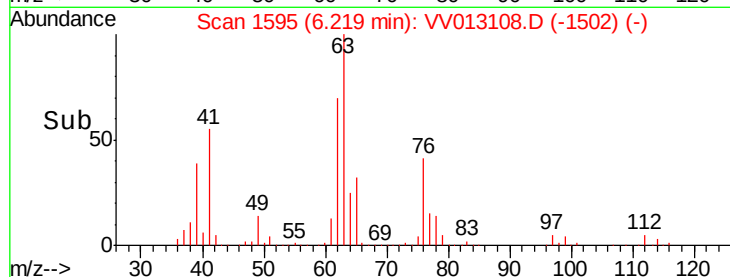
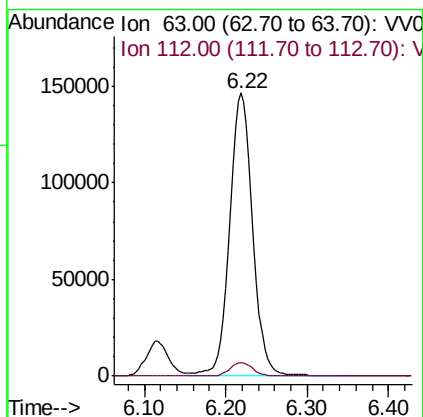
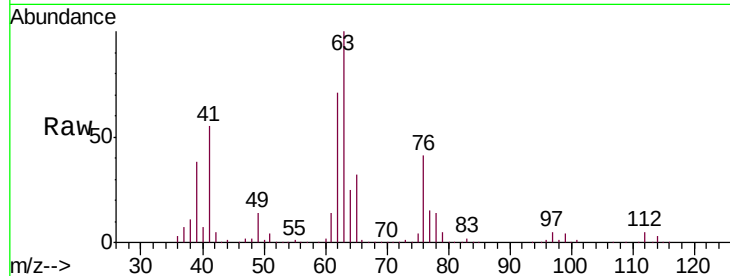




#37
 1,2-Dichloropropane
 Concen: 51.266 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

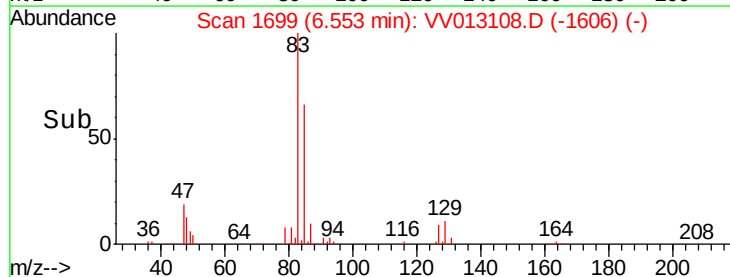
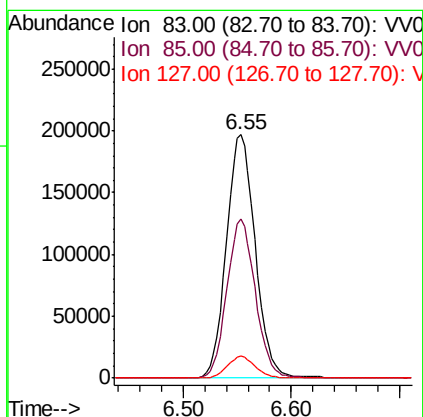
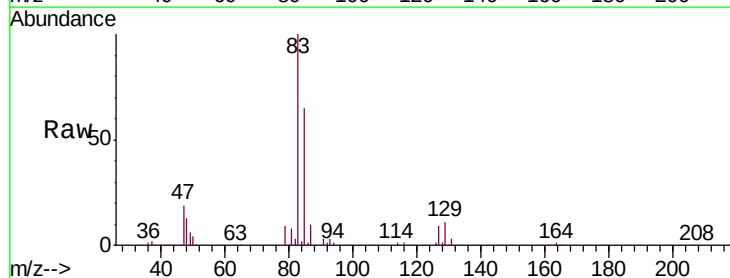
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

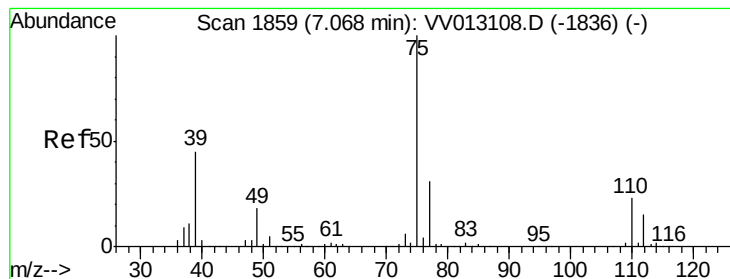
Tgt Ion: 63 Resp: 290861
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 50.406 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Tgt Ion: 83 Resp: 366644
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.8 85.0
 127 9.2 7.4 11.0



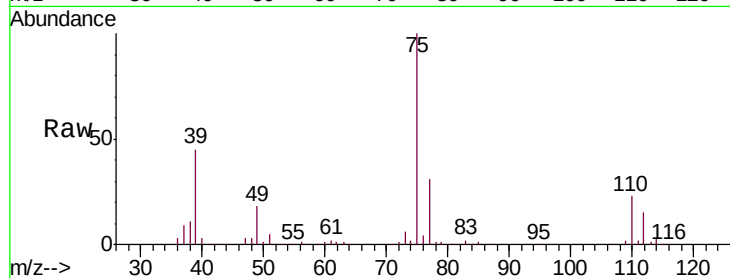


#39

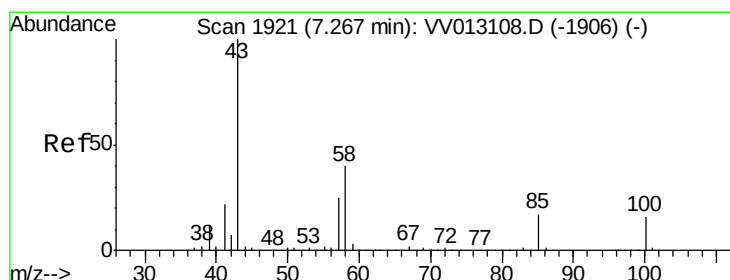
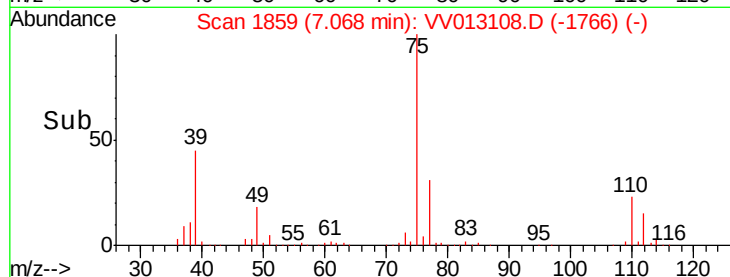
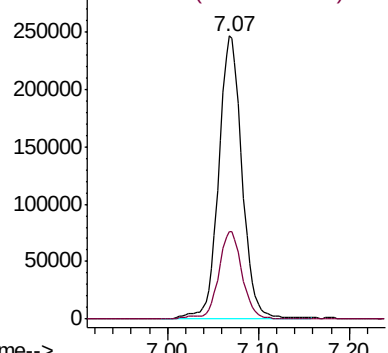
cis-1,3-Dichloropropene
Concen: 54.676 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Instrument :
MSVOA_V
ClientSampled :
VSTD05066

Tgt Ion: 75 Resp: 439694
Ion Ratio Lower Upper
75 100
77 31.0 21.7 40.3



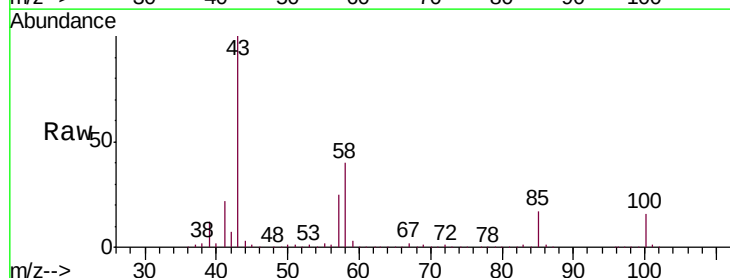
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



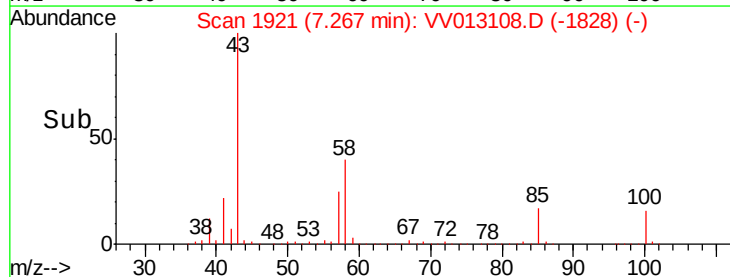
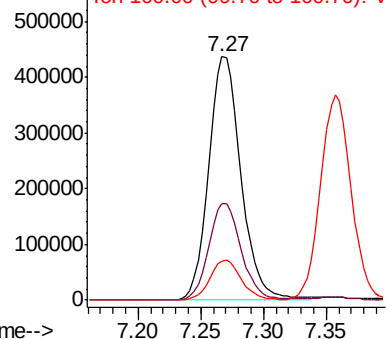
#40

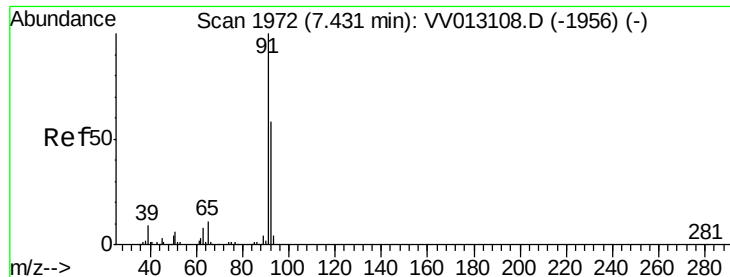
4-Methyl-2-pentanone
Concen: 100.676 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Tgt Ion: 43 Resp: 781045
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0
100 15.9 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 57.070 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

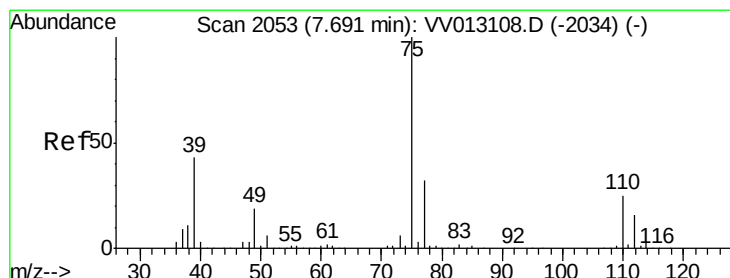
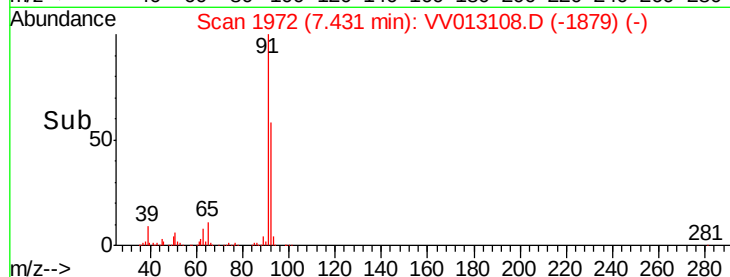
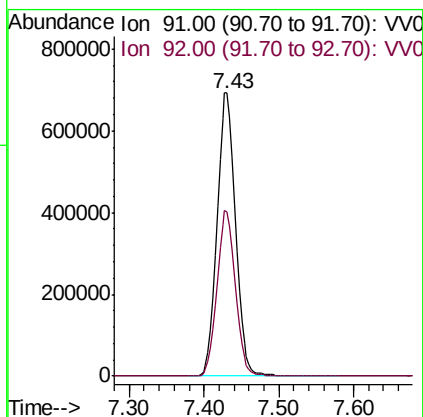
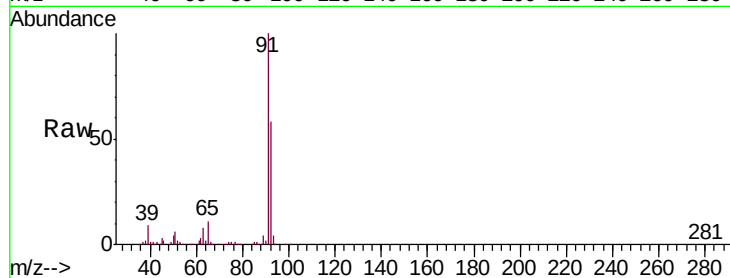
VSTD05066

Tgt Ion: 91 Resp: 1187566

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 53.480 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013108.D

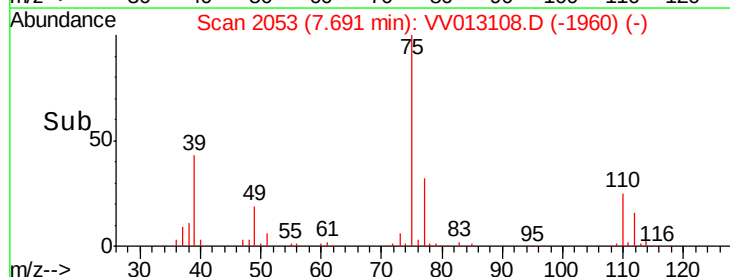
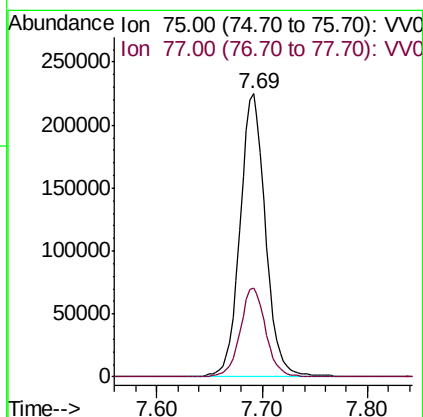
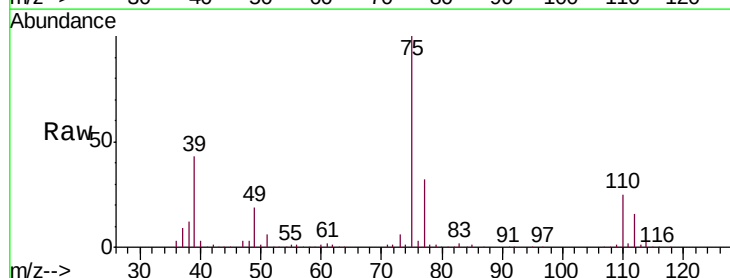
Acq: 11 Oct 2019 17:54

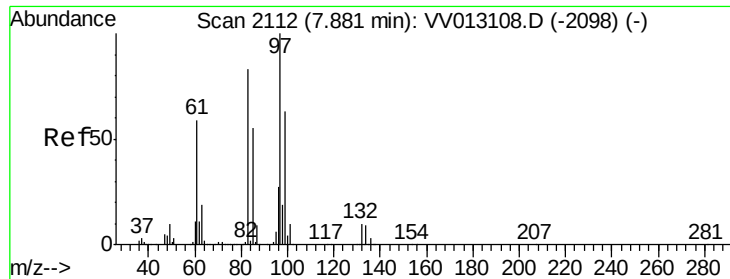
Tgt Ion: 75 Resp: 377061

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0

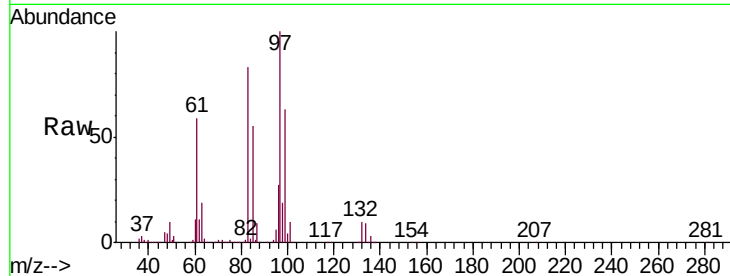




#45
 1,1,2-Trichloroethane
 Concen: 49.928 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:	97	Resp:	274918
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.4	82.5
83	83.1	58.2	108.0
85	55.3	38.7	71.9



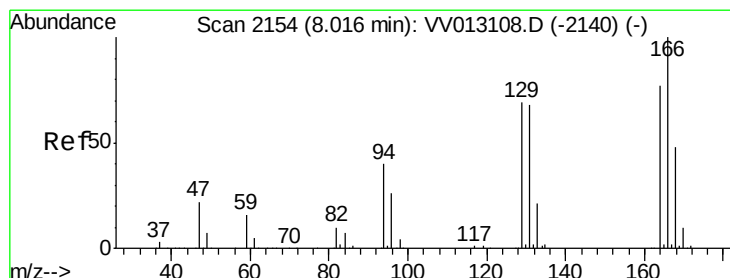
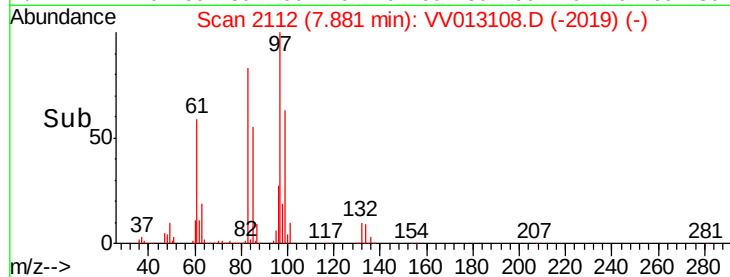
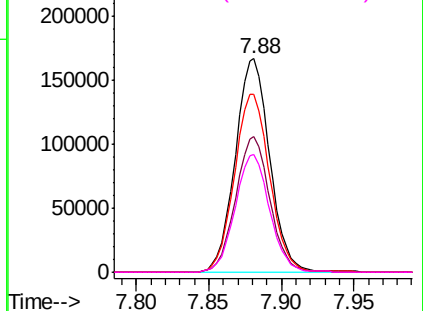
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

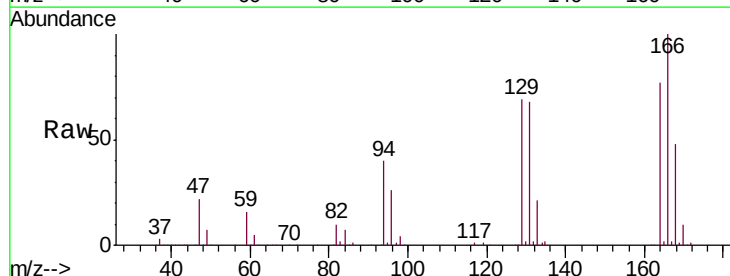
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 57.161 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Tgt Ion:	164	Resp:	233608
Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.1	117.1
131	89.2	62.4	116.0
166	130.5	91.3	169.6



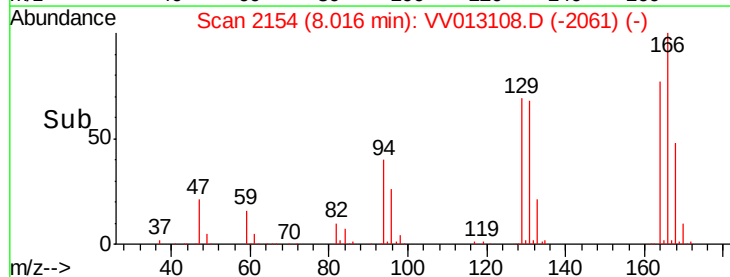
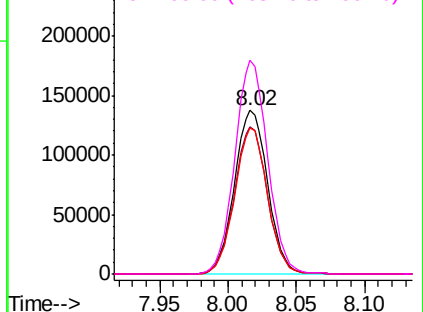
Abundance

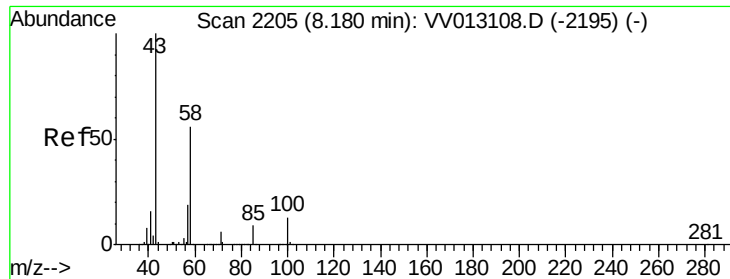
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

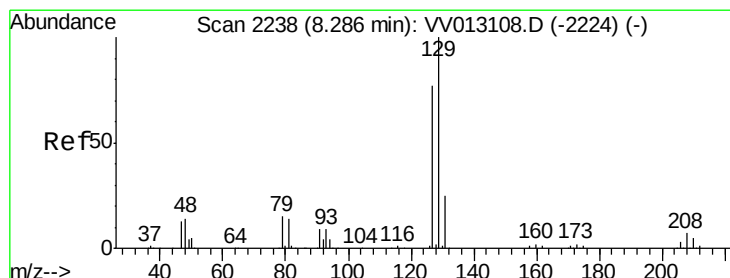
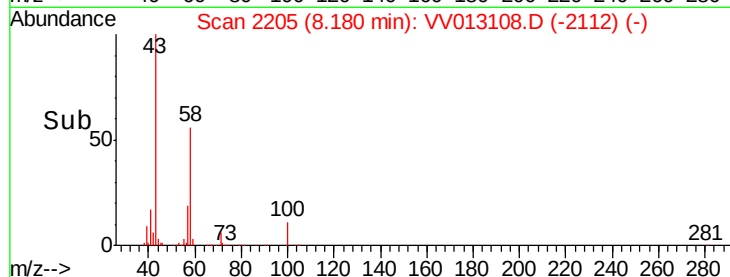
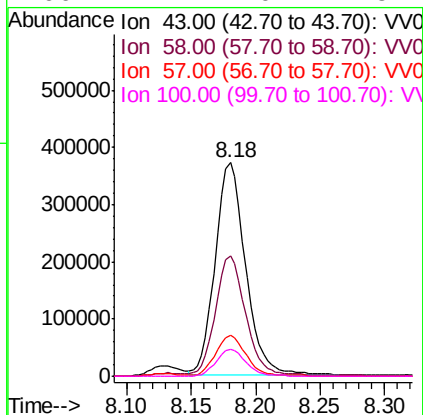
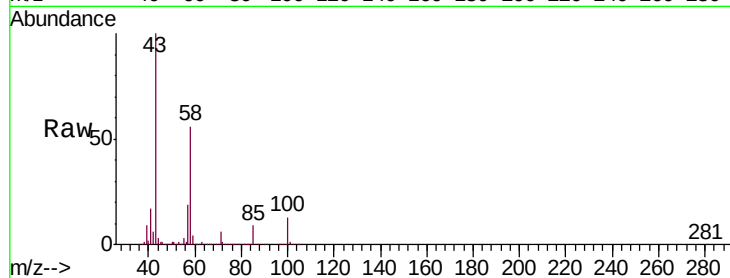




#48
2-Hexanone
Concen: 98.131 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

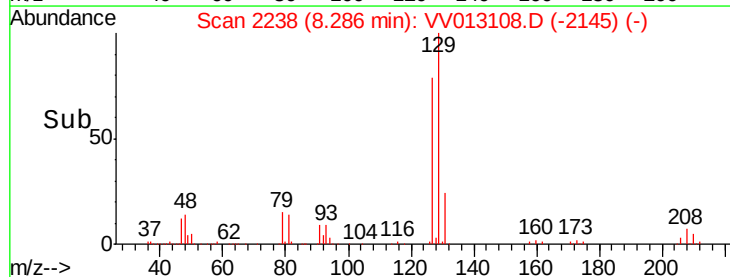
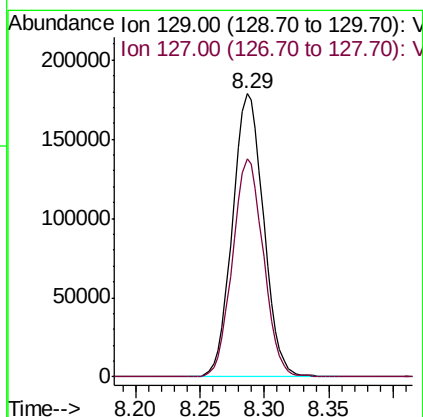
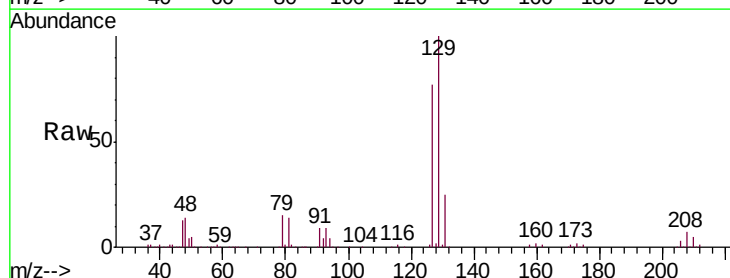
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

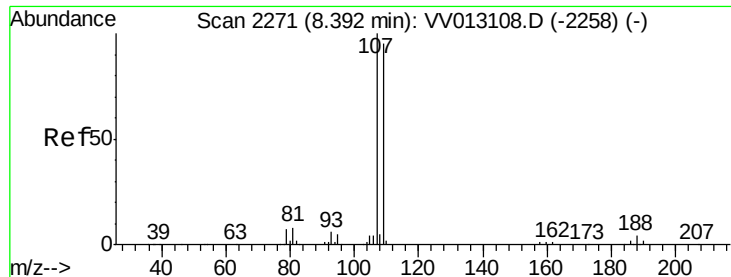
Tgt Ion:	43	Resp:	608143
Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.9	67.3
57	18.8	15.0	22.6
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 51.761 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Tgt Ion:	129	Resp:	299812
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.4

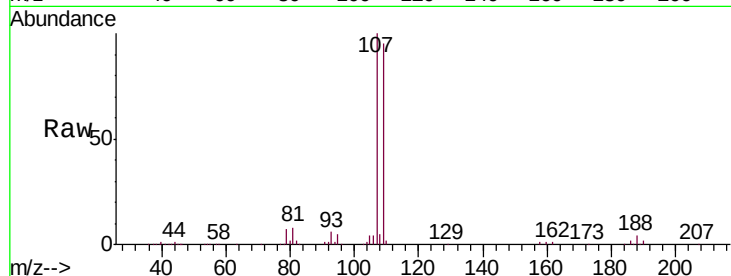




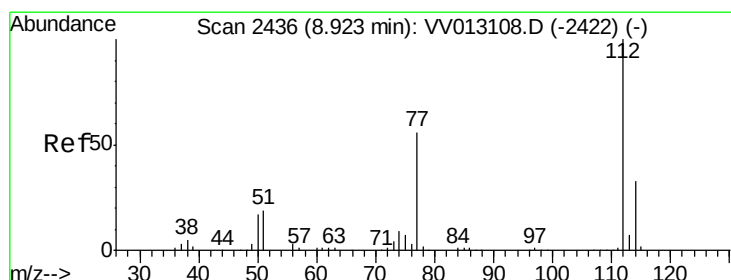
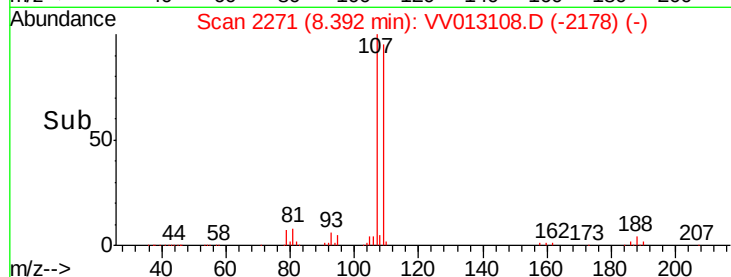
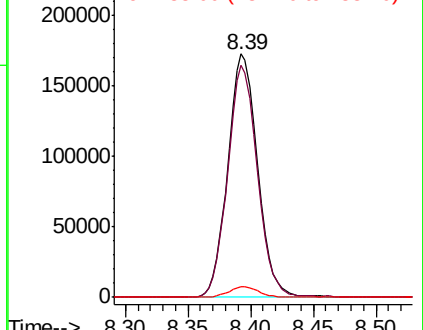
#50
1,2-Dibromoethane
Concen: 52.984 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.6	123.6
188	4.3	3.4	5.2

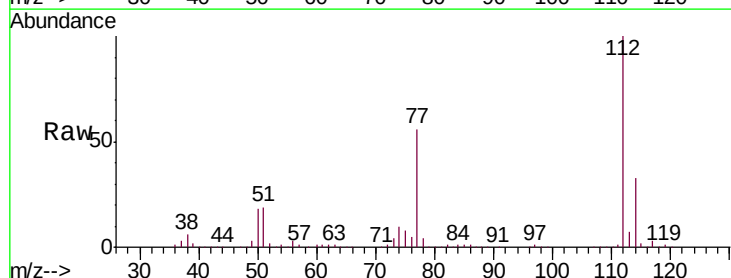


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

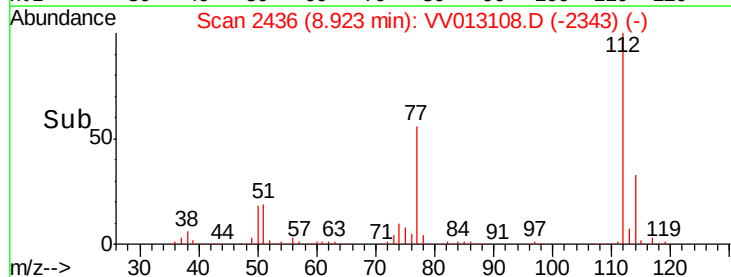
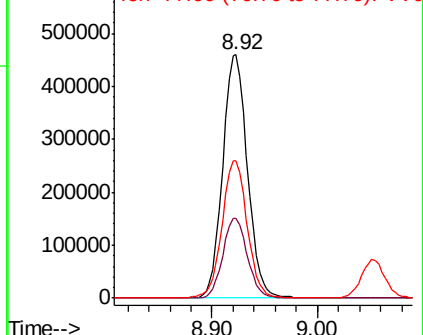


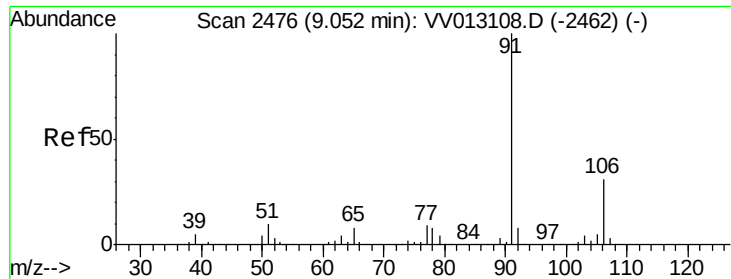
#51
Chlorobenzene
Concen: 52.816 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013108.D
Acq: 11 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.8	42.4
77	56.4	45.1	67.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 55.846 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

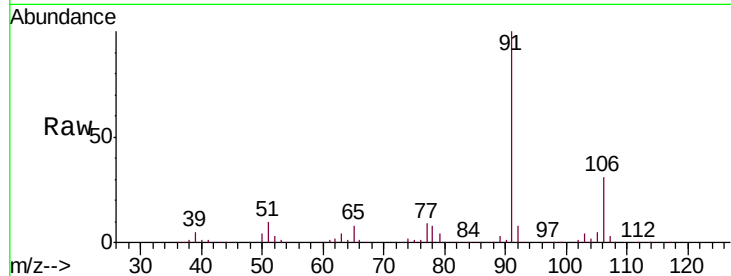
VSTD05066

Tgt Ion: 91 Resp: 1269001

Ion Ratio Lower Upper

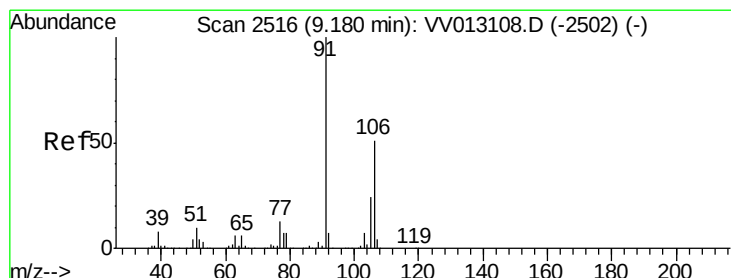
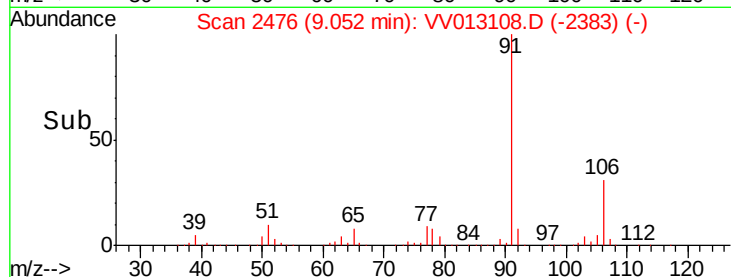
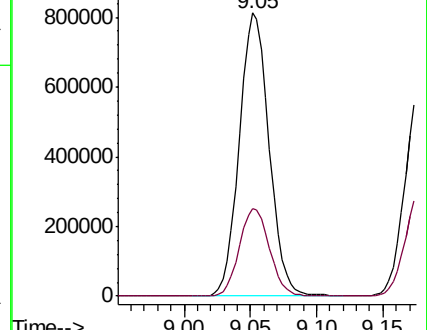
91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013108.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV013108.D (-2462) (-)



#53

m,p-Xylene

Concen: 57.604 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013108.D

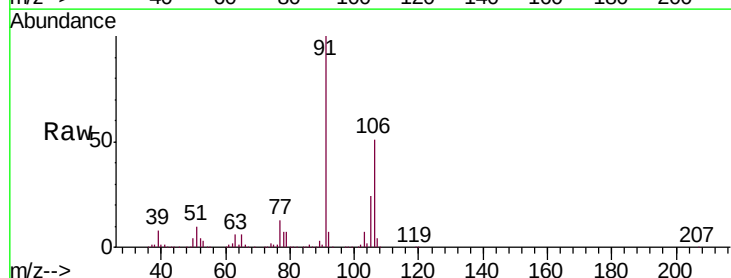
Acq: 11 Oct 2019 17:54

Tgt Ion: 106 Resp: 484650

Ion Ratio Lower Upper

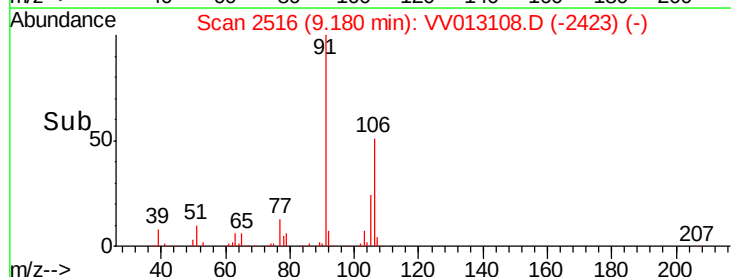
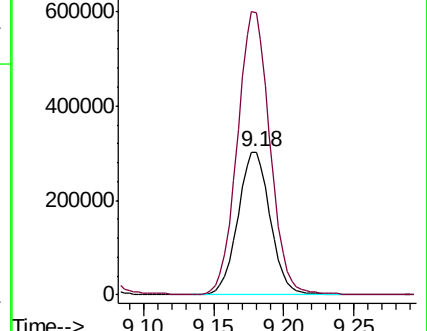
106 100

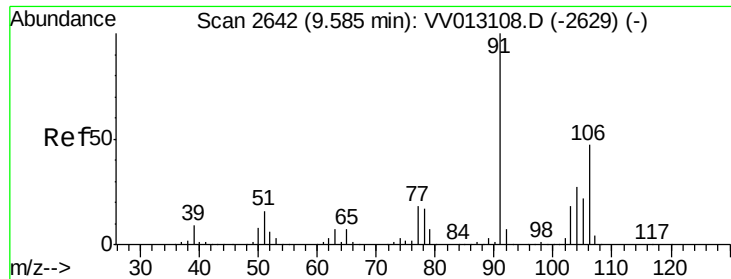
91 196.8 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): VV013108.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV013108.D (-2502) (-)





#54

o-xylene

Concen: 56.509 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

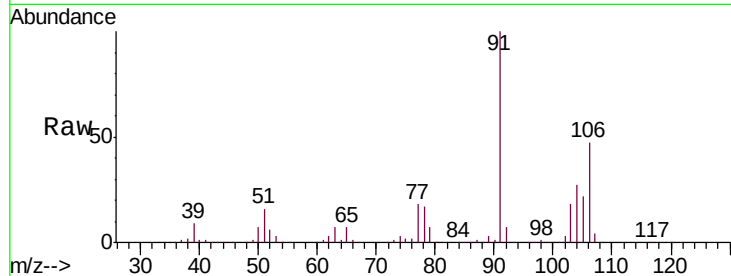
VSTD05066

Tgt Ion:106 Resp: 480177

Ion Ratio Lower Upper

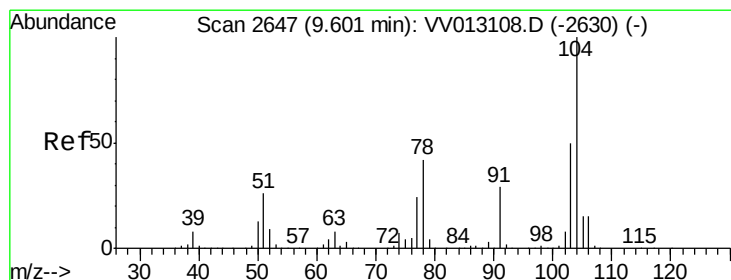
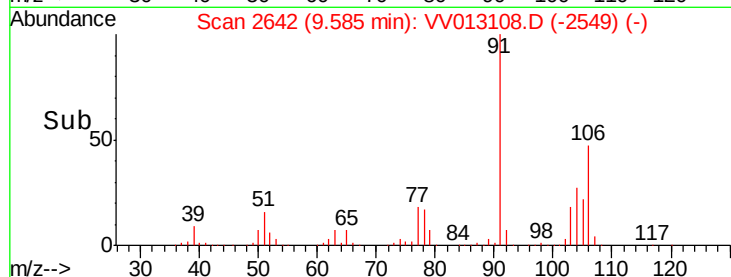
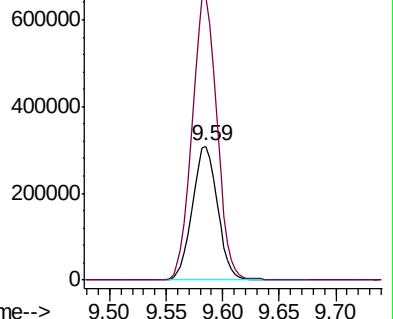
106 100

91 210.9 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.260 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013108.D

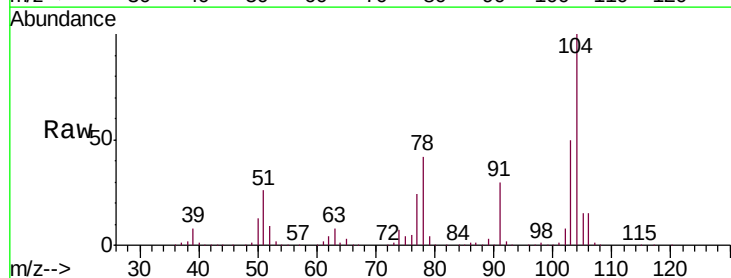
Acq: 11 Oct 2019 17:54

Tgt Ion:104 Resp: 802636

Ion Ratio Lower Upper

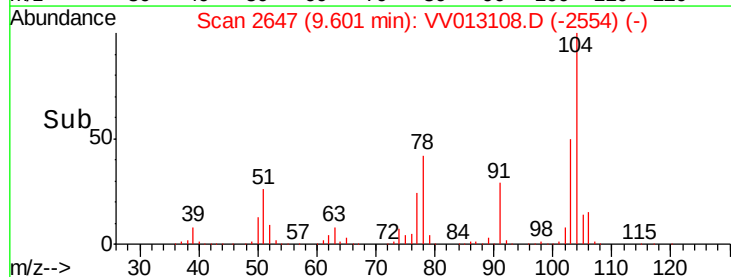
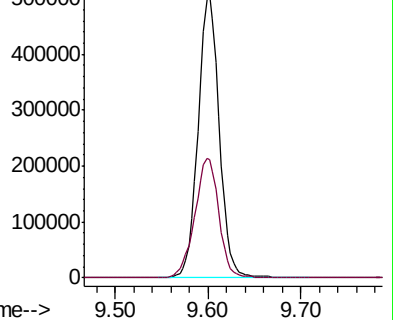
104 100

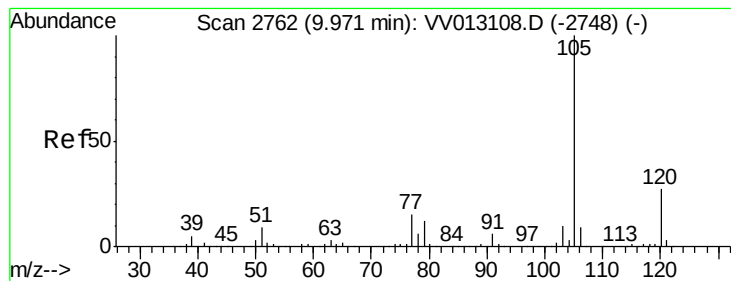
78 41.6 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 56.056 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

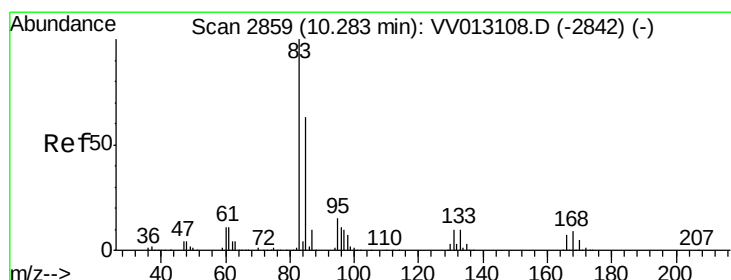
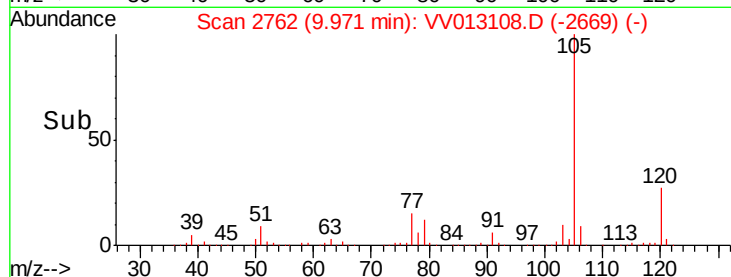
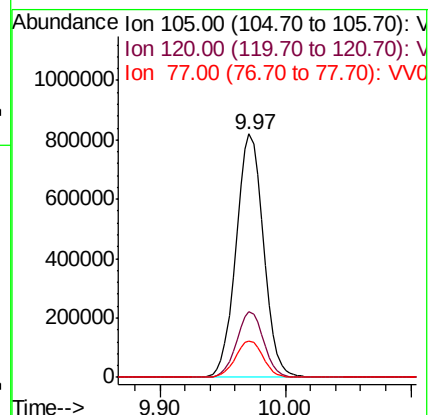
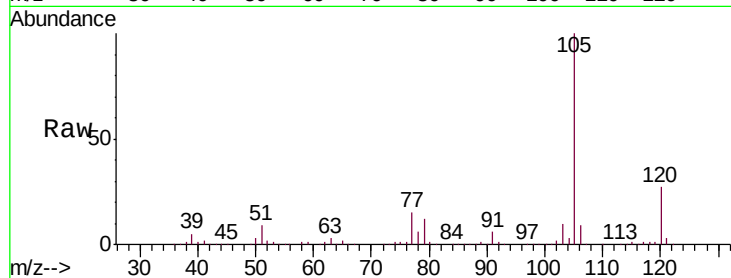
Tgt Ion:105 Resp: 1243832

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.1 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 53.011 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

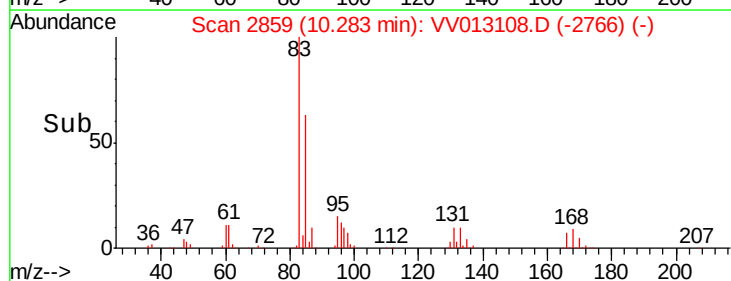
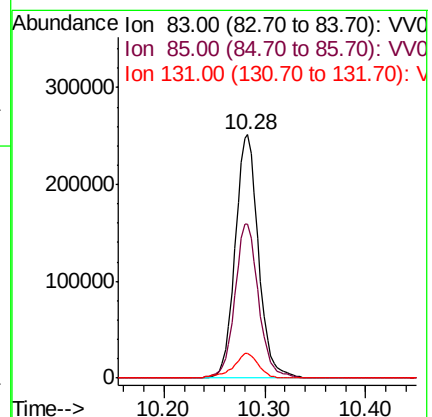
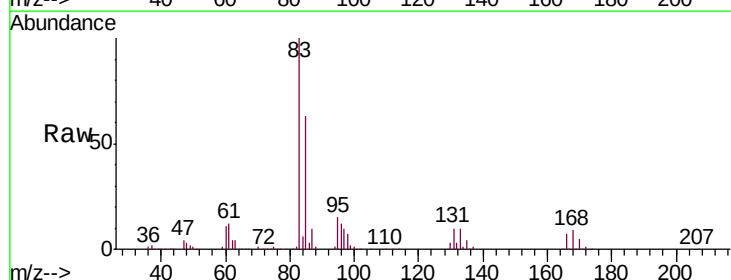
Tgt Ion: 83 Resp: 403931

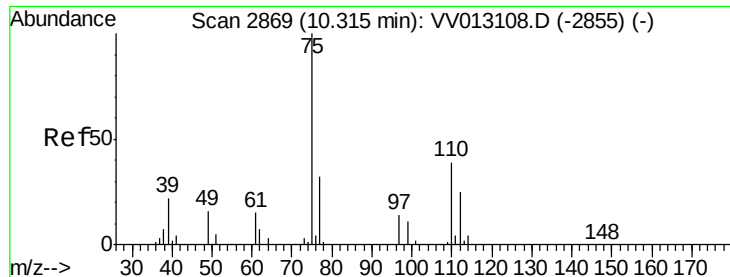
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

131 10.1 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 49.205 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

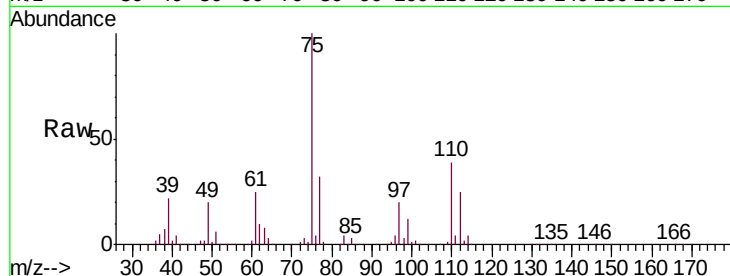
VSTD05066

Tgt Ion: 75 Resp: 351835

Ion Ratio Lower Upper

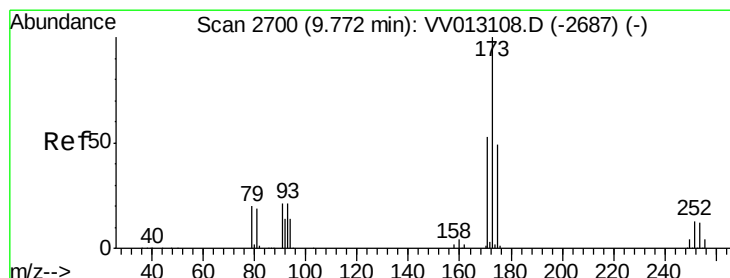
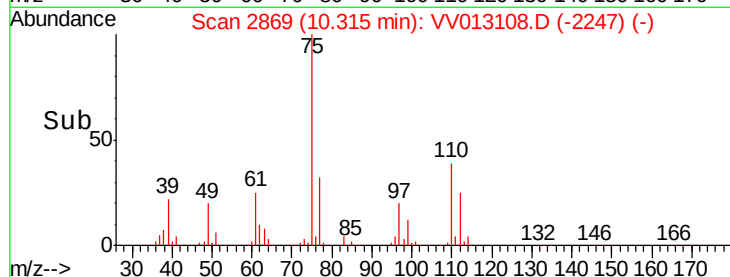
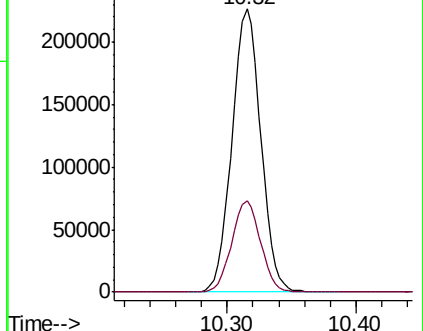
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013108.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013108.D (-2855) (-)



#61

Bromoform

Concen: 51.597 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

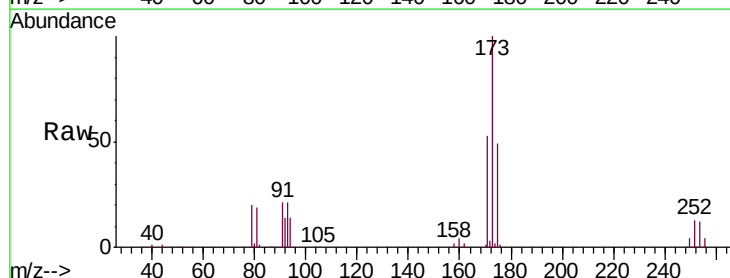
Tgt Ion: 173 Resp: 222206

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

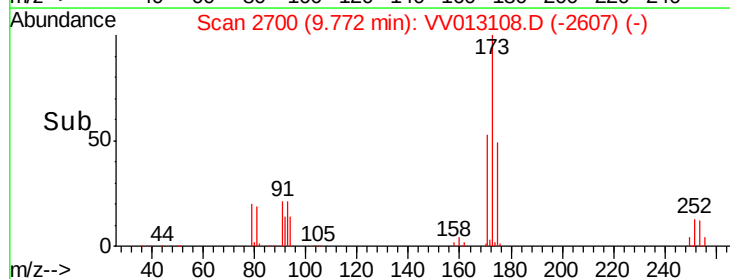
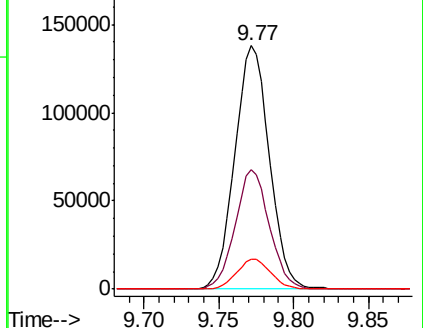
254 12.0 9.6 14.4

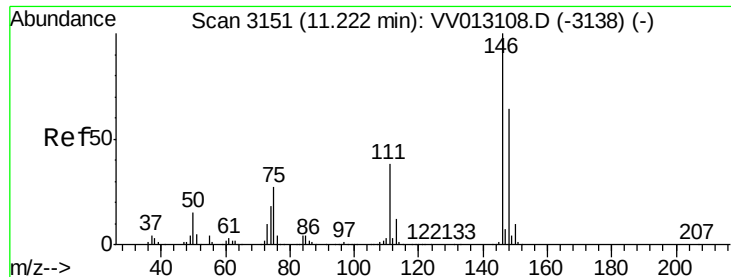


Abundance Ion 173.00 (172.70 to 173.70): VV013108.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV013108.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV013108.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 51.980 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

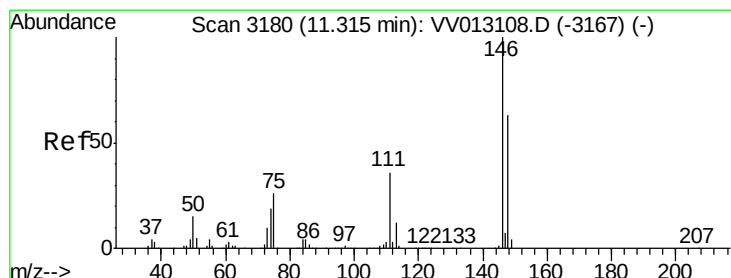
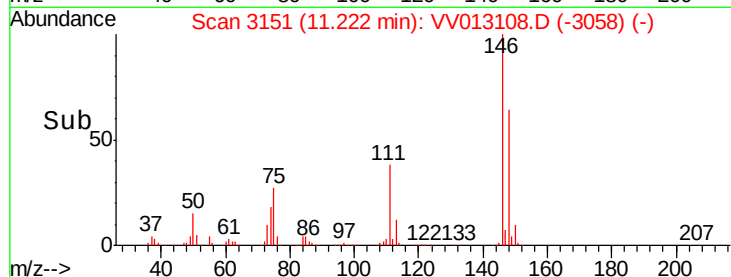
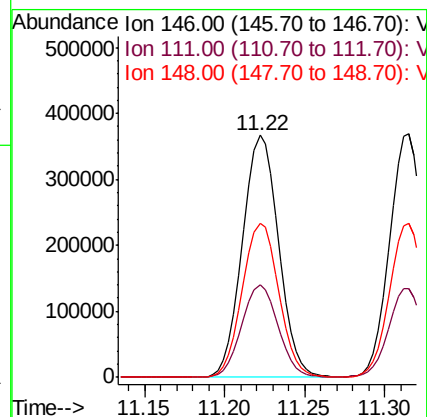
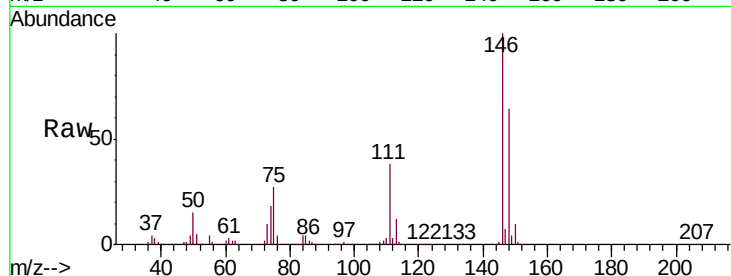
Tgt Ion:146 Resp: 566568

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

148 63.7 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 50.732 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

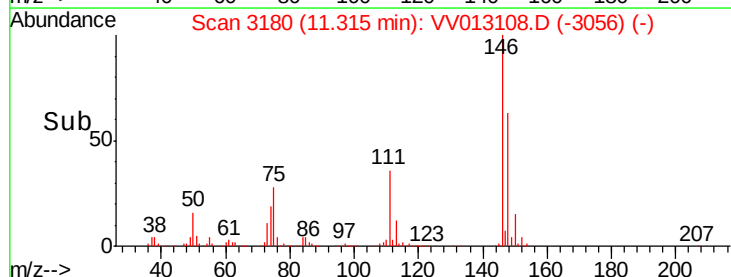
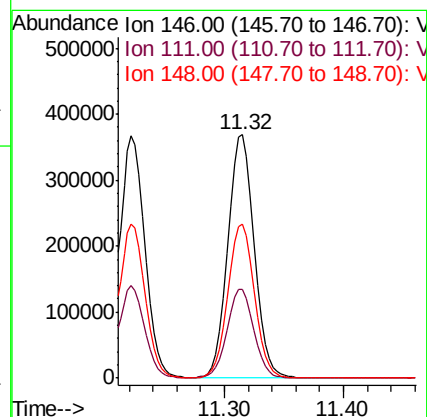
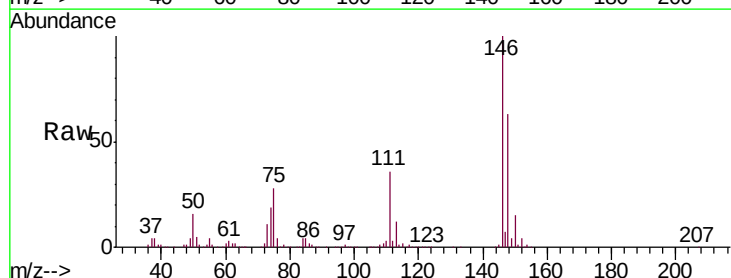
Tgt Ion:146 Resp: 565904

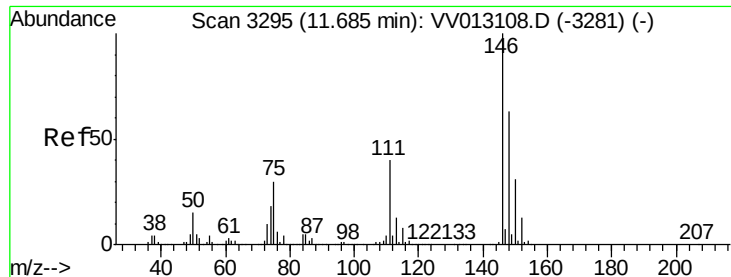
Ion Ratio Lower Upper

146 100

111 36.3 25.4 47.2

148 63.2 44.2 82.2

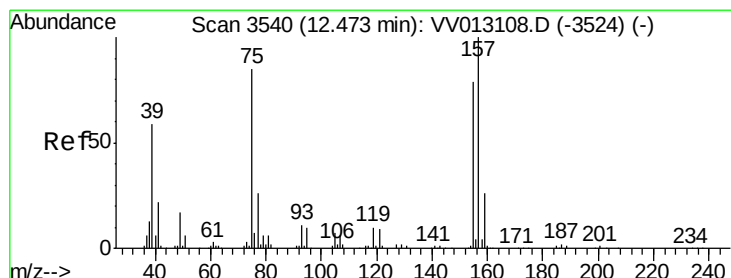
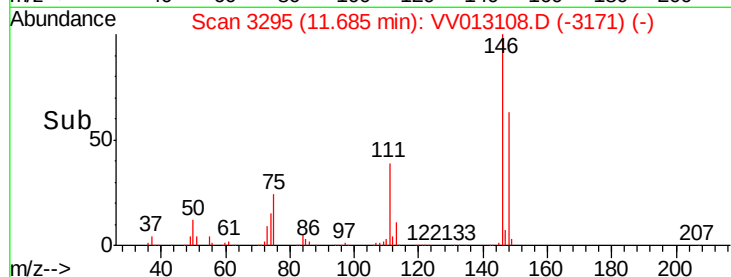
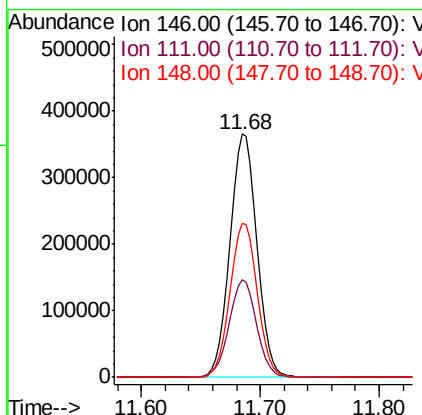
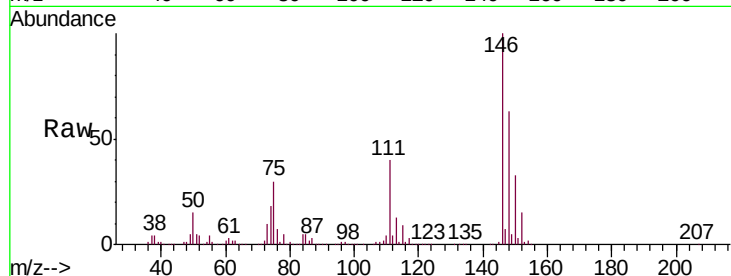




#65
 1,2-Dichlorobenzene
 Concen: 50.312 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

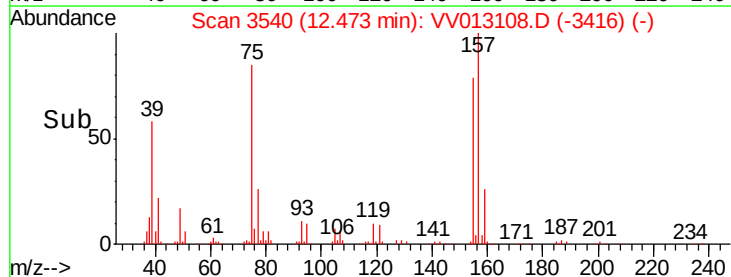
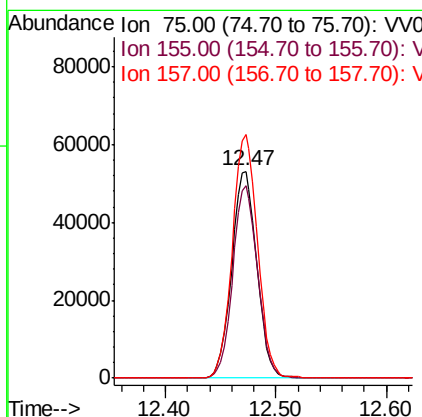
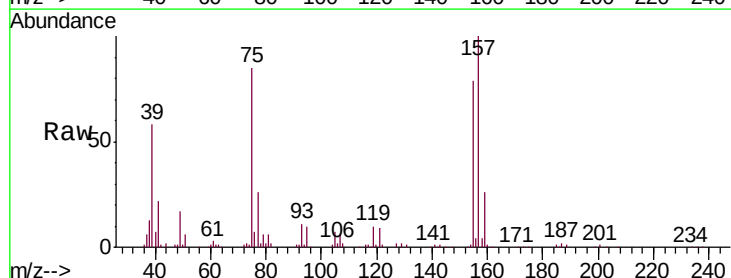
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

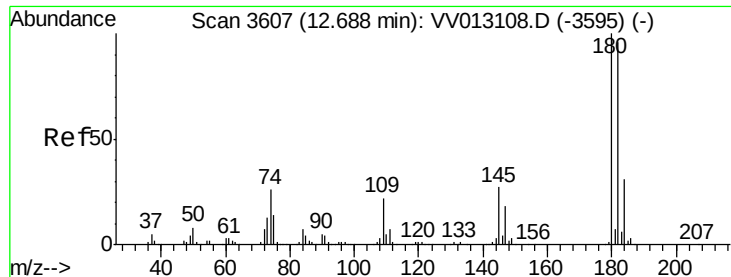
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.2	48.2
148	63.3	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.317 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	74.6	111.8
157	117.8	94.2	141.4

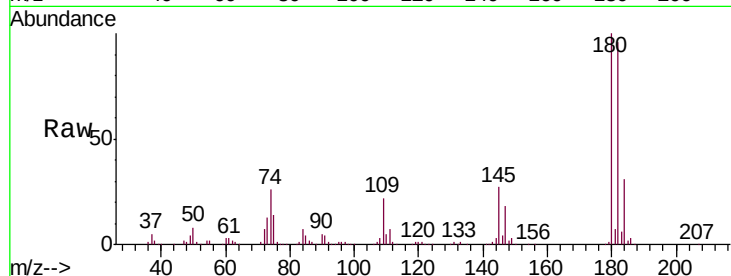




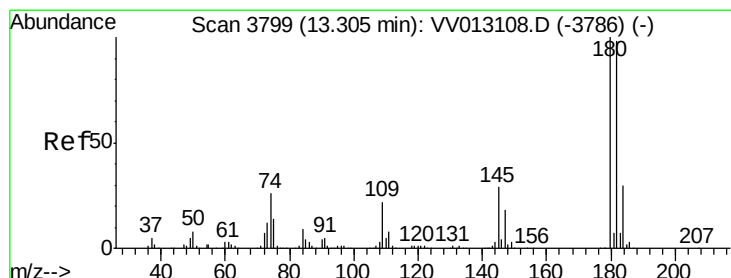
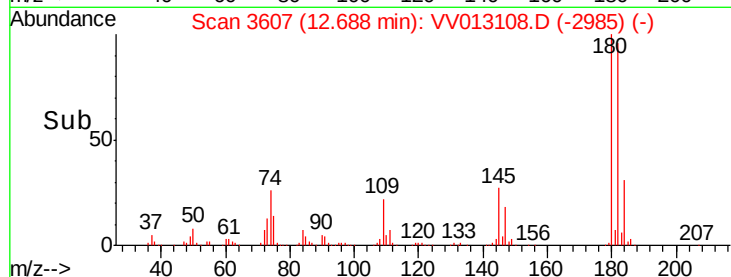
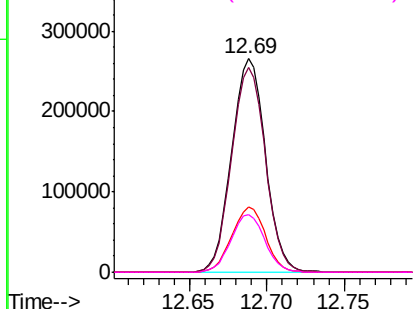
#67
 1,3,5-Trichlorobenzene
 Concen: 50.304 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:	180	Resp:	402580
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.4	24.3	36.5
145	27.1	21.7	32.5

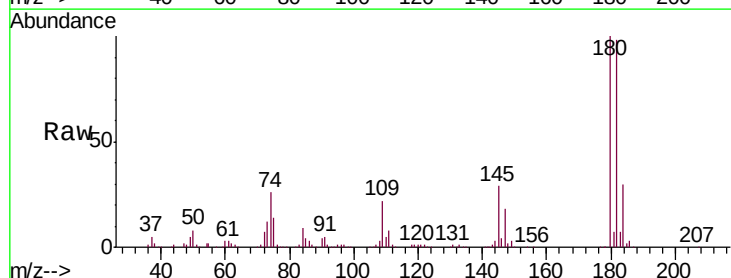


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

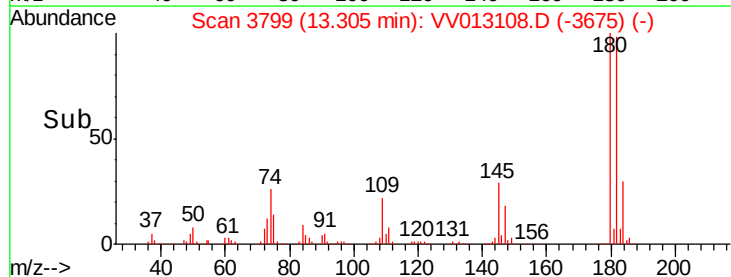
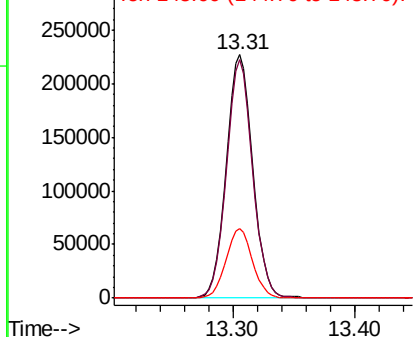


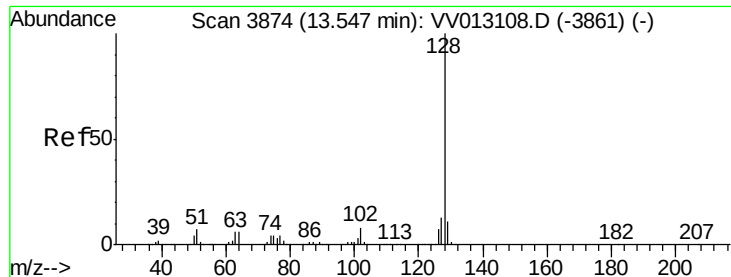
#68
 1,2,4-trichlorobenzene
 Concen: 50.842 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013108.D
 Acq: 11 Oct 2019 17:54

Tgt Ion:	180	Resp:	345628
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.0
145	28.4	22.7	34.1



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: 52.546 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

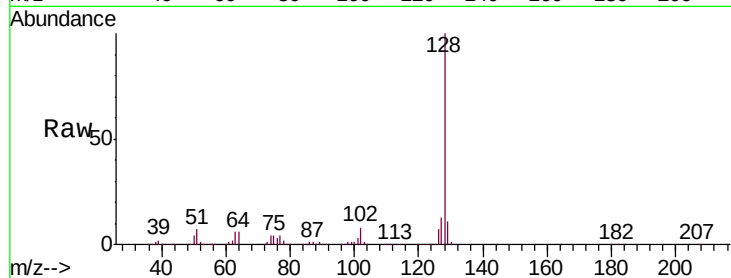
Tgt Ion:128 Resp: 1023968

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

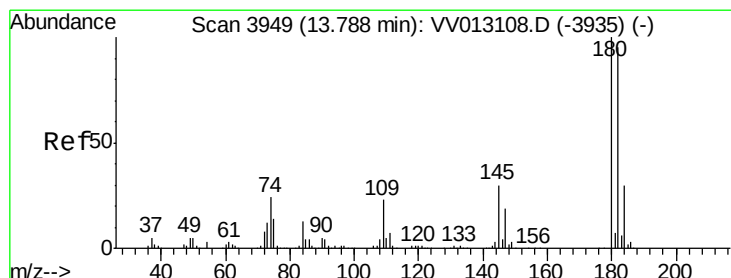
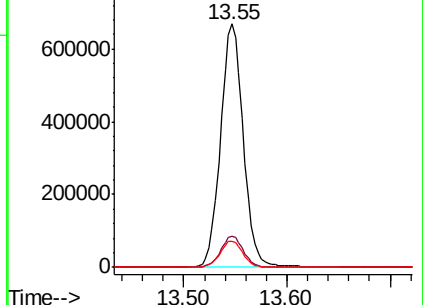
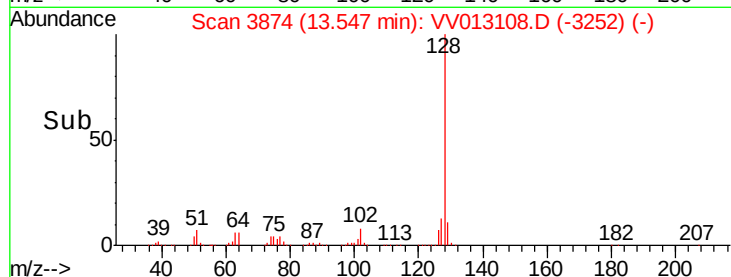
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.820 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013108.D

Acq: 11 Oct 2019 17:54

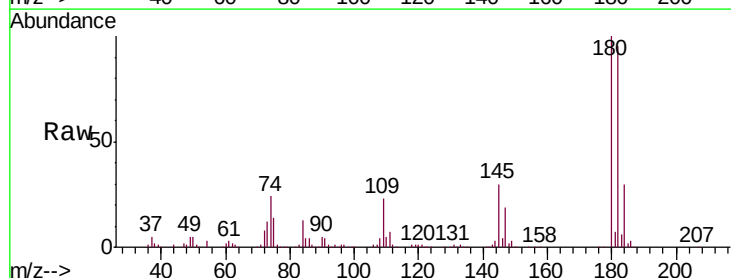
Tgt Ion:180 Resp: 379410

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 29.8 23.8 35.8



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

