

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008670.D
 Acq On : 20 Nov 2018 12:56
 Operator : SY/MD
 Sample : VSTD20073
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20073

Quant Time: Nov 21 01:06:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	270130	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	255517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133032	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	384083	214.74	ug/L	0.00
7) Chloroethane-d5	1.55	69	158578	139.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	619932	199.44	ug/L	0.00
21) 2-Butanone-d5	3.93	46	627718	408.76	ug/L	0.00
24) Chloroform-d	4.41	84	761597	194.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	482508	190.95	ug/L	0.00
32) Benzene-d6	5.10	84	1559680	189.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	490076	184.83	ug/L	0.00
41) Toluene-d8	7.36	98	1439754	193.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	240875	192.64	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	492010	433.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	687859	201.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	564843	187.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	423599	199.668	ug/L	99
3) Chloromethane	1.25	50	407850	217.678	ug/L	99
5) Vinyl chloride	1.32	62	414613	222.012	ug/L	98
6) Bromomethane	1.51	94	117538	194.879	ug/L	98
8) Chloroethane	1.57	64	149226	148.325	ug/L	98
9) Trichlorofluoromethane	1.75	101	521870	205.489	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	299106	205.119	ug/L	99
12) 1,1-Dichloroethene	2.13	96	268956	208.440	ug/L	85
13) Acetone	2.19	43	588364	471.433	ug/L	99
14) Carbon disulfide	2.31	76	1090079	207.858	ug/L	100
15) Methyl Acetate	2.46	43	476347	208.192	ug/L	100
16) Methylene chloride	2.53	84	405043	194.652	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	375964	202.594	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	1272451	201.874	ug/L	99
19) 1,1-Dichloroethane	3.23	63	725151	205.068	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	433634	207.214	ug/L	95
22) 2-Butanone	4.02	43	765581	445.013	ug/L	100
23) Bromochloromethane	4.30	128	211925	212.152	ug/L	96
25) Chloroform	4.43	83	730646	185.468	ug/L	99
27) 1,2-Dichloroethane	5.18	62	582628	203.252	ug/L	100
29) Cyclohexane	4.73	56	702724	193.301	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	633884	196.158	ug/L	99
31) Carbon tetrachloride	4.88	117	538140	193.288	ug/L	99
33) Benzene	5.15	78	1603510	196.352	ug/L	100
34) Trichloroethene	5.96	95	426906	198.061	ug/L	96
35) Methylcyclohexane	6.18	83	736415	201.314	ug/L	99
37) 1,2-Dichloropropane	6.22	63	433615	195.712	ug/L	99
38) Bromodichloromethane	6.56	83	546328	197.815	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	687421	204.611	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1253174	417.632	ug/L	99

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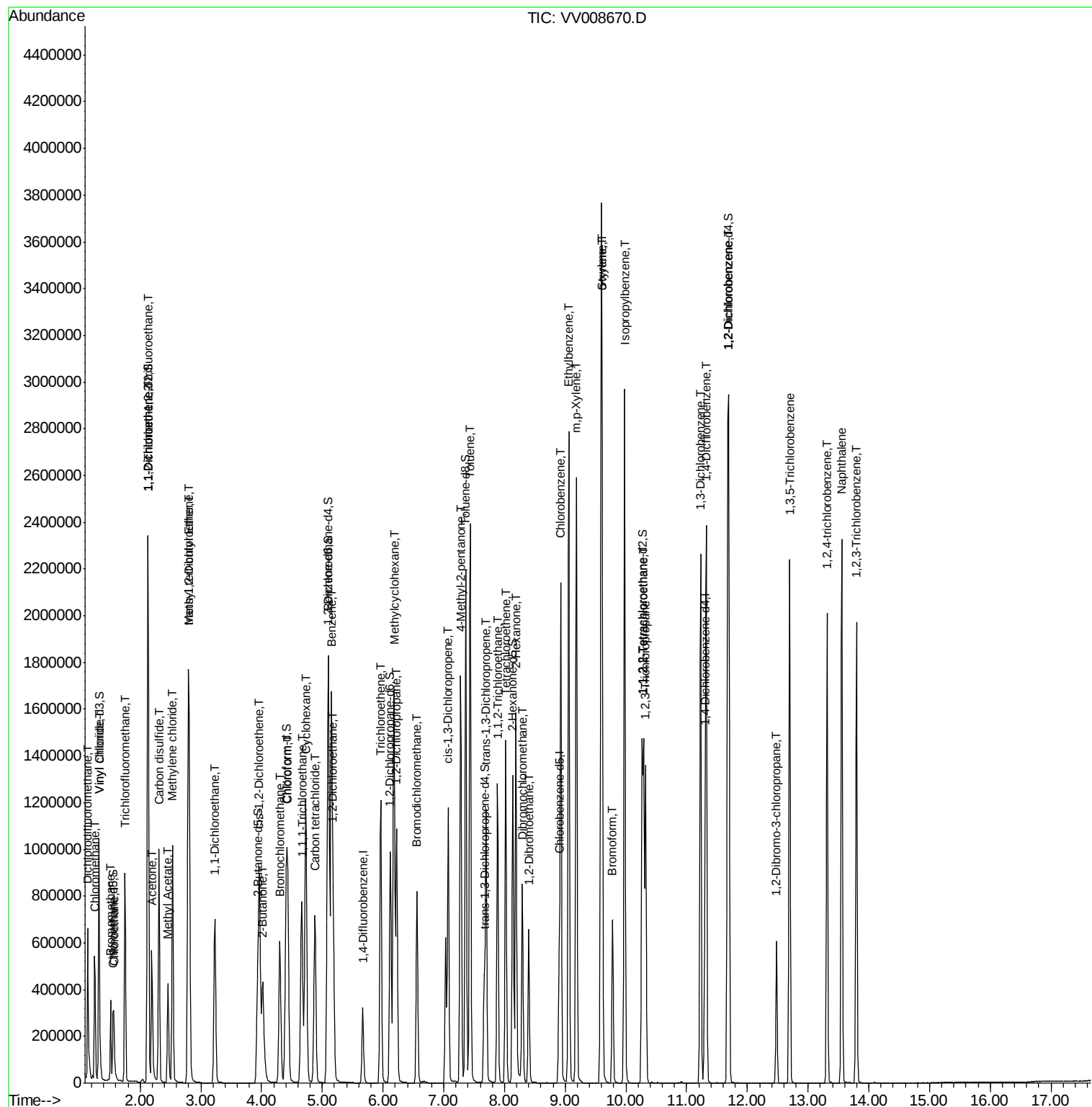
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1697975	199.489	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	637299	208.601	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	402880	202.766	ug/L	99
46) Tetrachloroethene	8.02	164	317459	205.735	ug/L	97
48) 2-Hexanone	8.19	43	1035630	445.855	ug/L	100
49) Dibromochloromethane	8.30	129	435194	209.465	ug/L	98
50) 1,2-Dibromoethane	8.40	107	425183	205.982	ug/L	99
51) Chlorobenzene	8.93	112	1095509	205.098	ug/L	99
52) Ethylbenzene	9.06	91	1925433	205.446	ug/L	99
53) m,p-Xylene	9.18	106	716939	208.732	ug/L	100
54) o-xylene	9.59	106	701475	206.010	ug/L	95
55) Styrene	9.61	104	1222477	218.003	ug/L	99
56) Isopropylbenzene	9.98	105	1892522	211.140	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	686189	211.191	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	554097	206.872	ug/L	98
61) Bromoform	9.78	173	306085	194.564	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	889718	201.677	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	901615	203.589	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	894985	198.409	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	150972	192.121	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	656192	216.393	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	571866	240.860	ug/L	98
69) Naphthalene	13.55	128	1736438	252.600	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	559663	233.585	ug/L	99

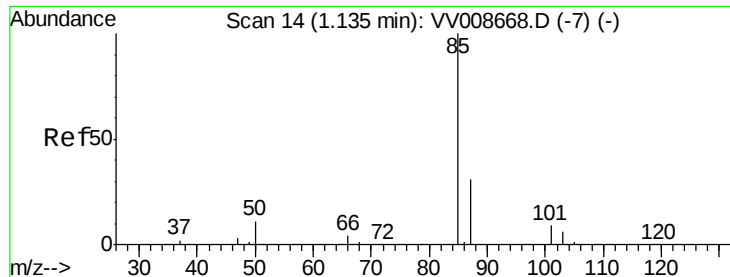
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 199.668 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

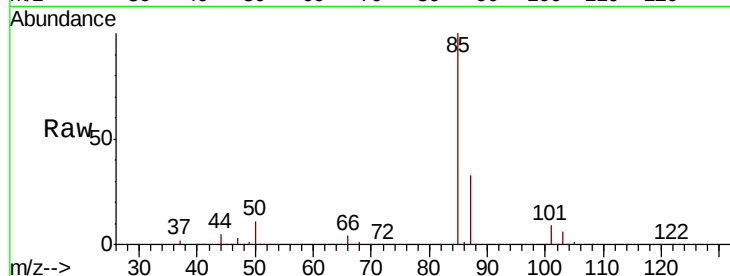
VSTD20073

Tgt Ion: 85 Resp: 423599

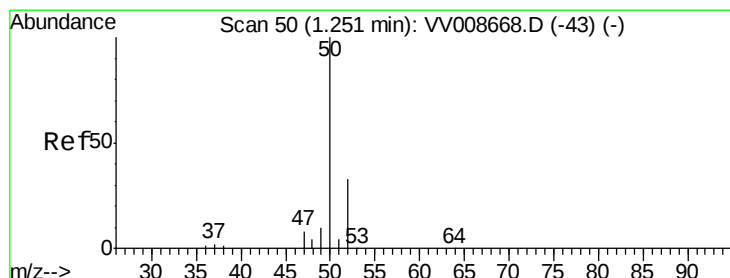
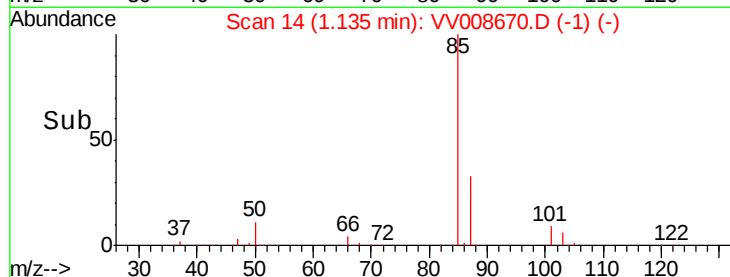
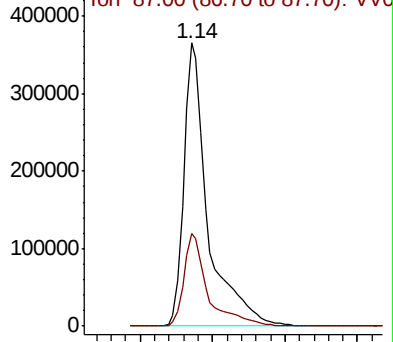
Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008668.D (-7) (-)



#3

Chloromethane

Concen: 217.678 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008670.D

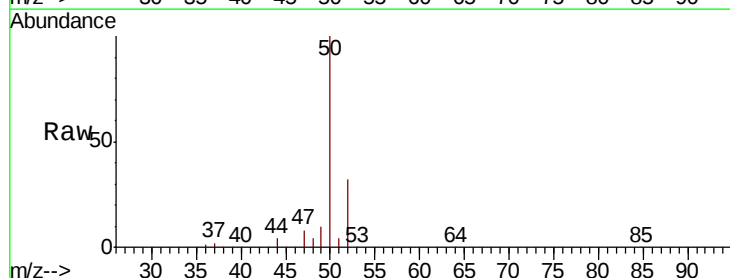
Acq: 20 Nov 2018 12:56

Tgt Ion: 50 Resp: 407850

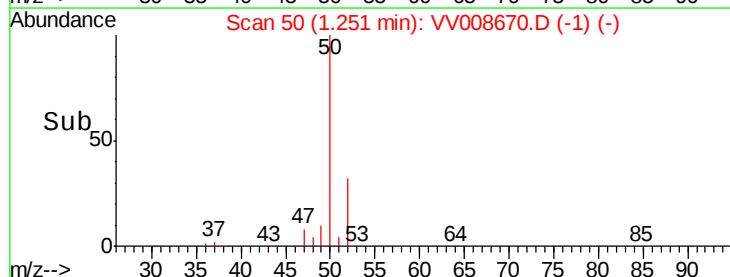
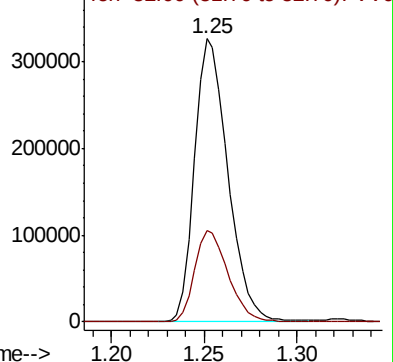
Ion Ratio Lower Upper

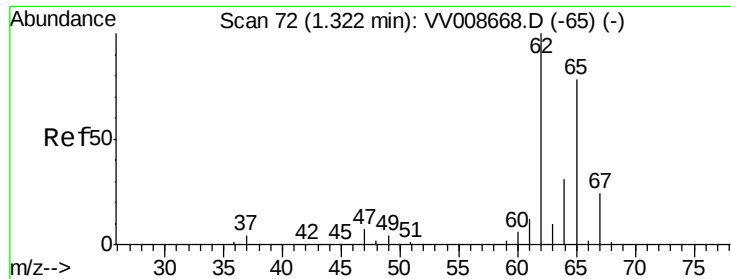
50 100

52 32.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV008668.D (-43) (-)





#5

Vinyl chloride

Concen: 222.012 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

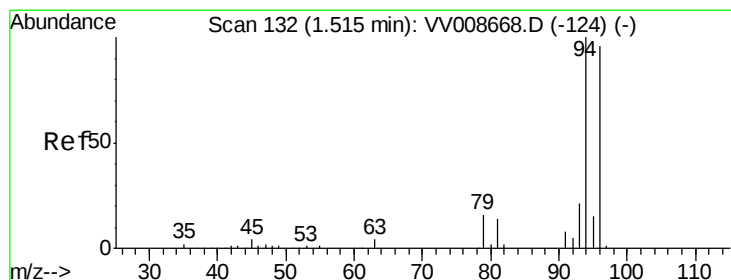
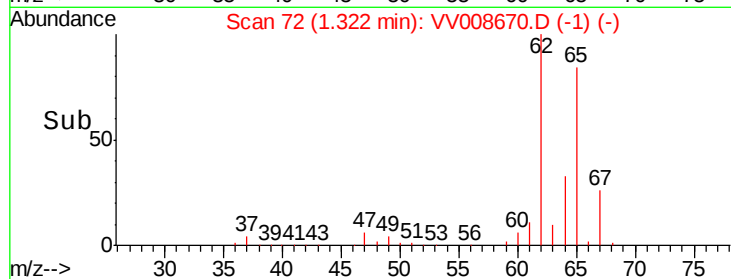
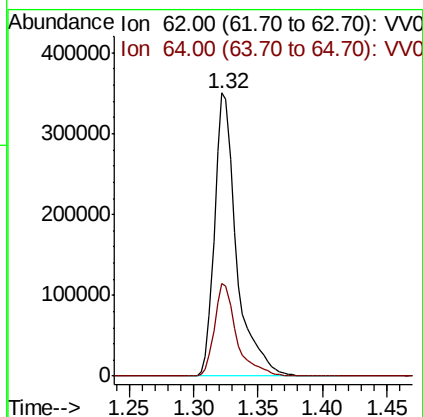
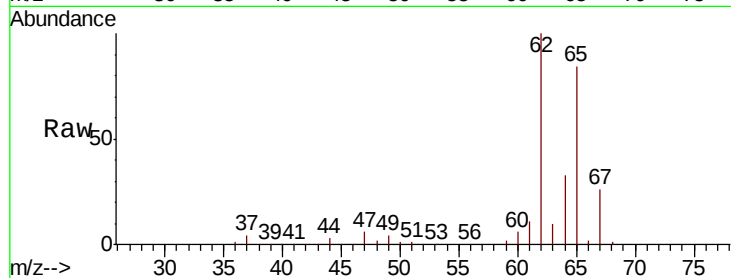
VSTD20073

Tgt Ion: 62 Resp: 414613

Ion Ratio Lower Upper

62 100

64 32.6 22.0 41.0



#6

Bromomethane

Concen: 194.879 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008670.D

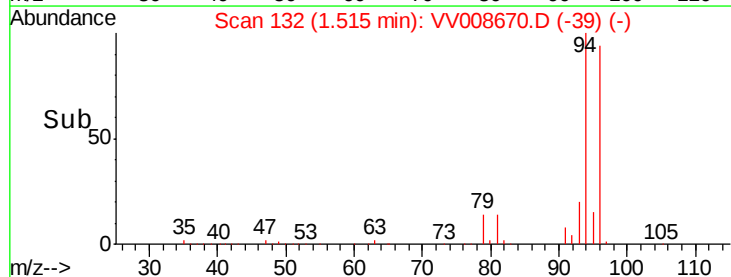
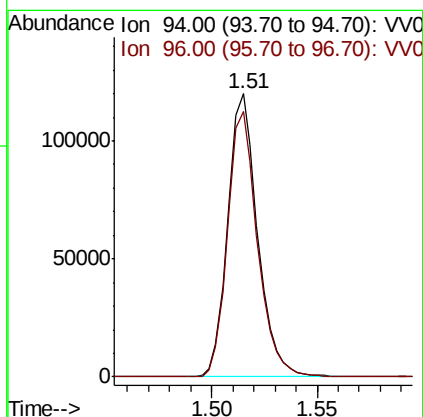
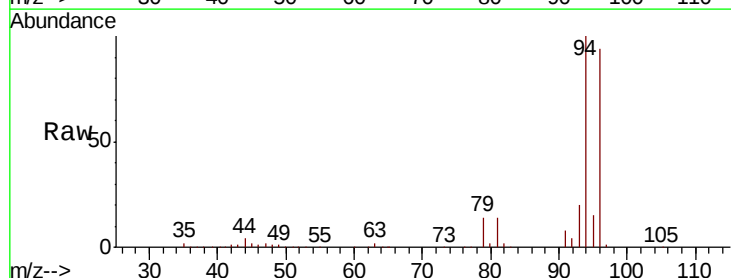
Acq: 20 Nov 2018 12:56

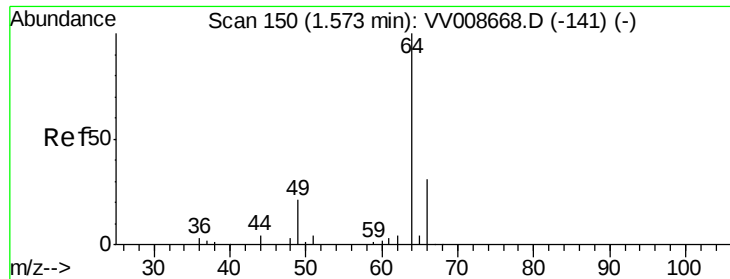
Tgt Ion: 94 Resp: 117538

Ion Ratio Lower Upper

94 100

96 93.9 67.4 125.2





#8

Chloroethane

Concen: 148.325 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

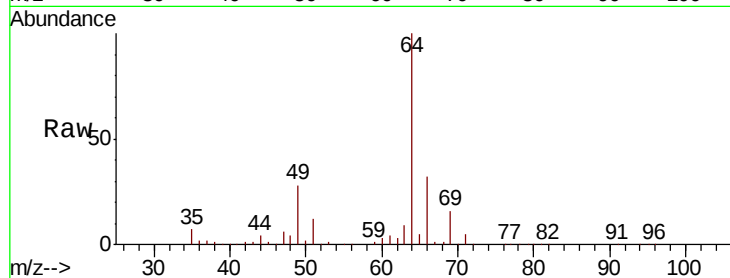
VSTD20073

Tgt Ion: 64 Resp: 149226

Ion Ratio Lower Upper

64 100

66 31.7 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VV008668.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008668.D (-141) (-)

1.57

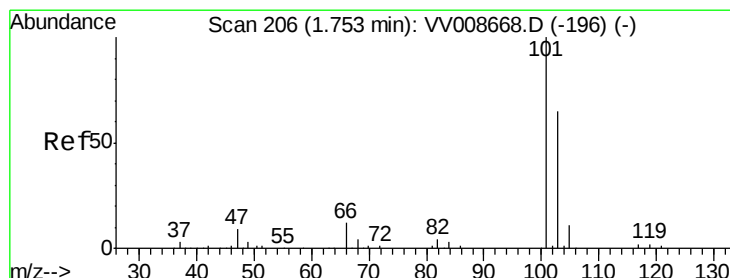
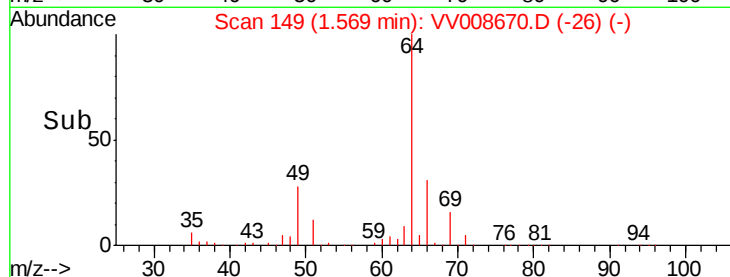
100000

50000

0

1.50 1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 205.489 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV008670.D

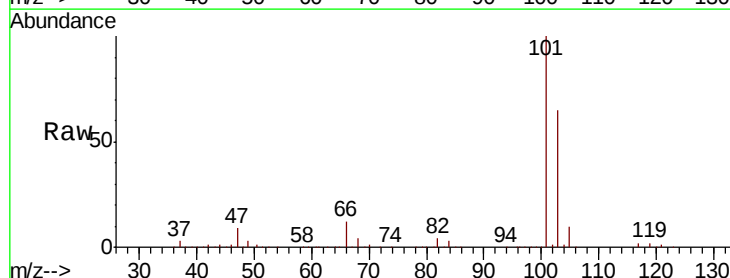
Acq: 20 Nov 2018 12:56

Tgt Ion: 101 Resp: 521870

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008668.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV008668.D (-196) (-)

1.75

400000

300000

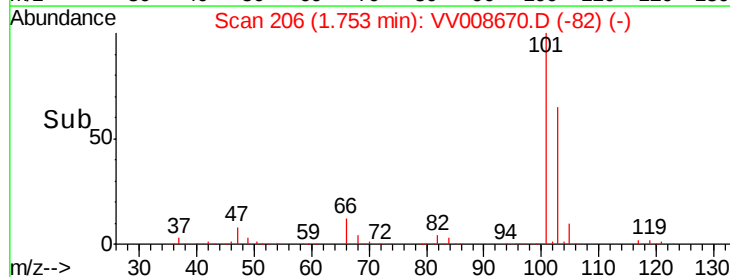
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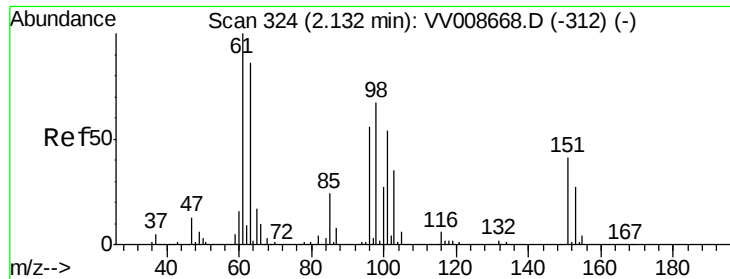
100000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 205.119 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

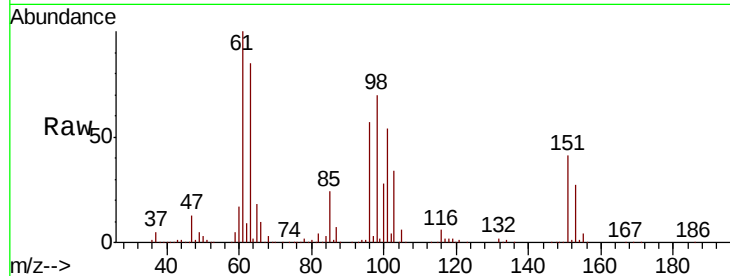
Tgt Ion: 101 Resp: 299106

Ion Ratio Lower Upper

101 100

85 43.2 34.8 52.2

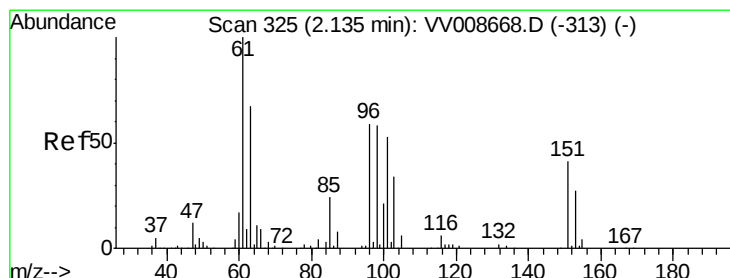
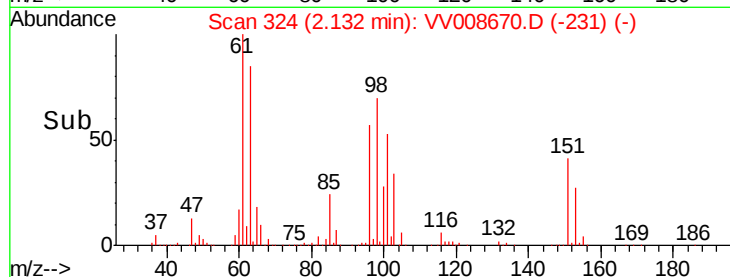
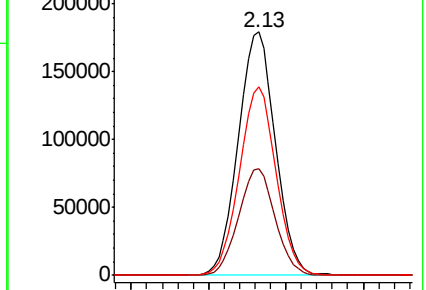
151 76.6 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008668.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV008668.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV008668.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 208.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

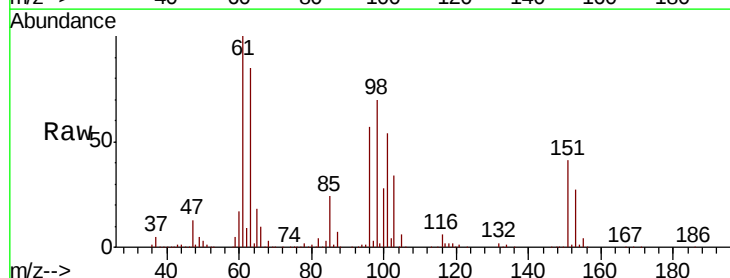
Tgt Ion: 96 Resp: 268956

Ion Ratio Lower Upper

96 100

61 176.0 118.4 220.0

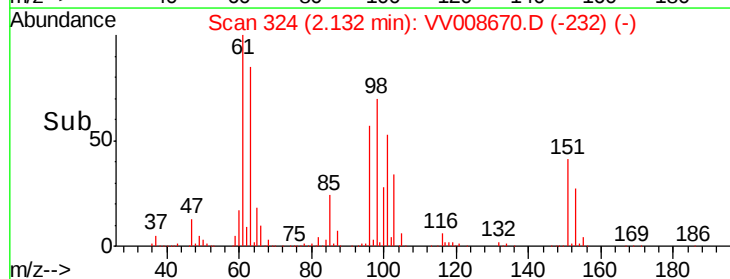
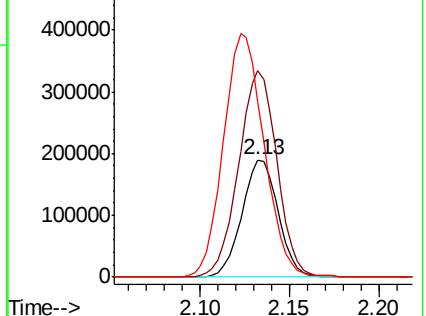
63 149.7 81.8 152.0

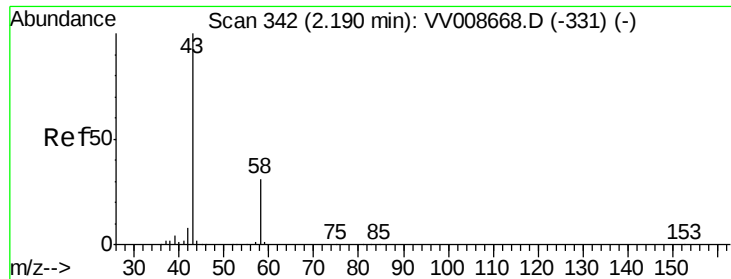


Abundance Ion 96.00 (95.70 to 96.70): VV008668.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV008668.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV008668.D (-313) (-)





#13

Acetone

Concen: 471.433 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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Acq: 20 Nov 2018 12:56

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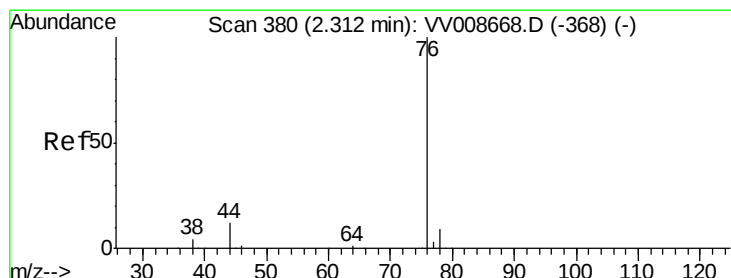
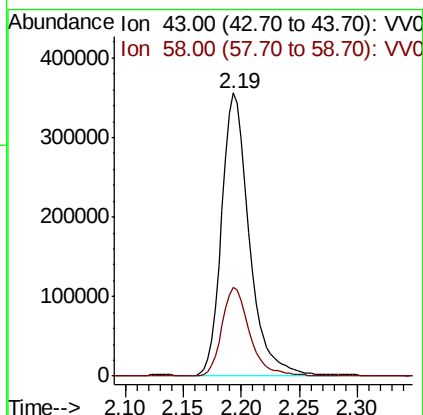
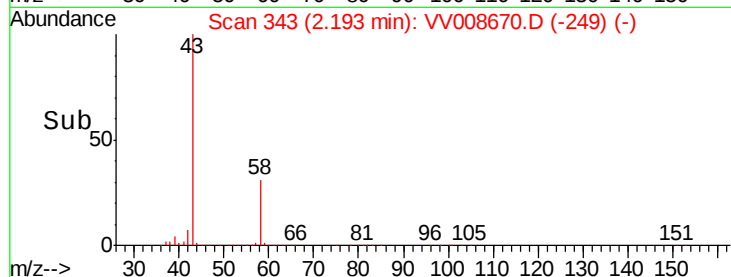
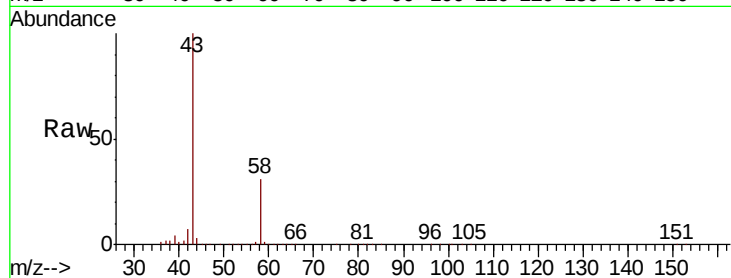
VSTD20073

Tgt Ion: 43 Resp: 588364

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.0



#14

Carbon disulfide

Concen: 207.858 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV008670.D

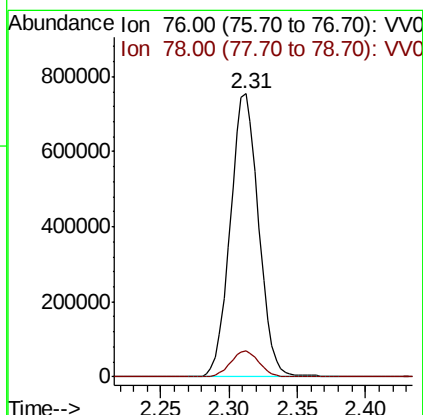
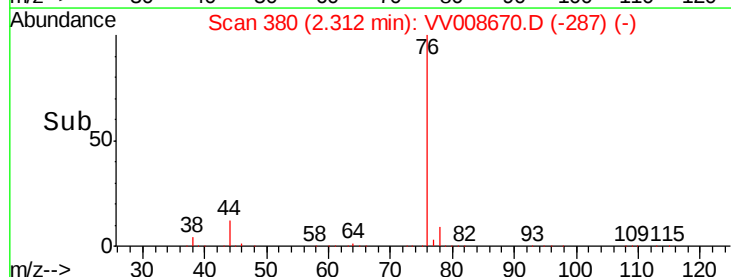
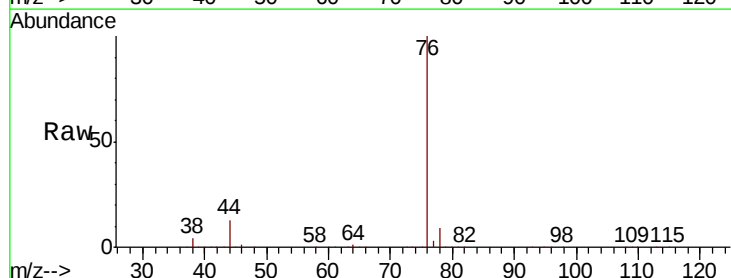
Acq: 20 Nov 2018 12:56

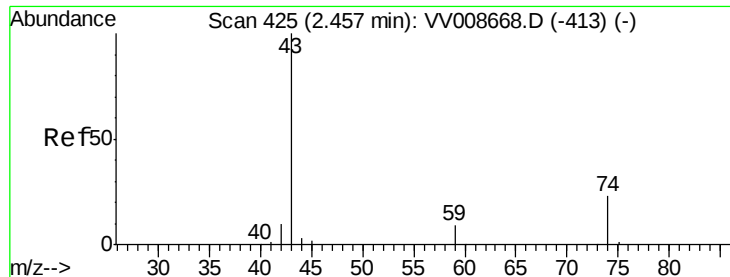
Tgt Ion: 76 Resp: 1090079

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

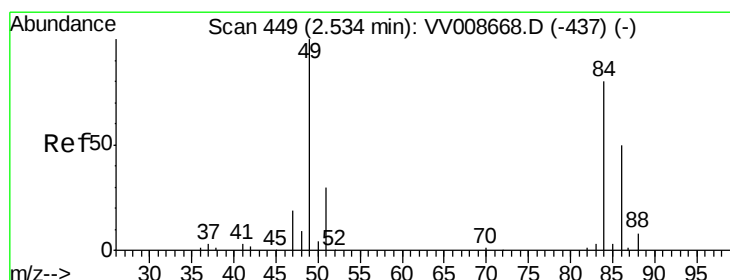
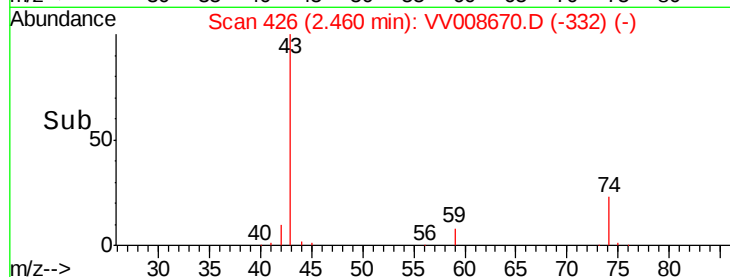
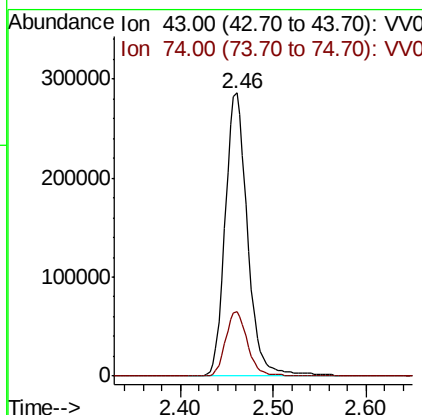
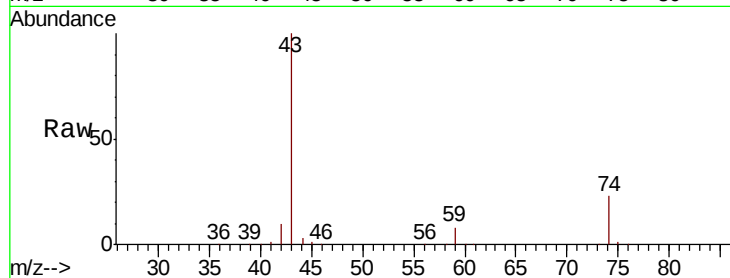




#15
Methyl Acetate
Concen: 208.192 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

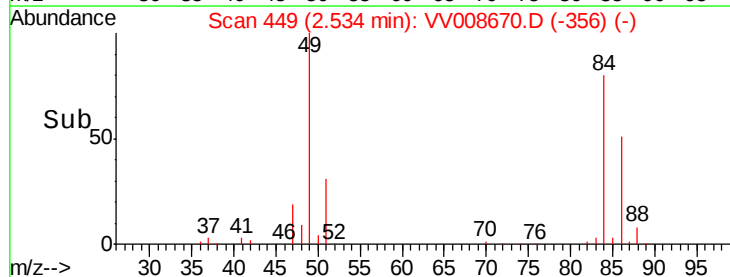
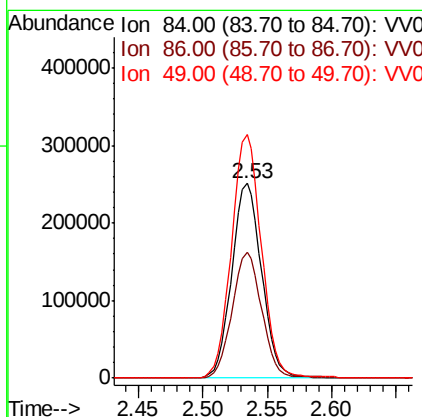
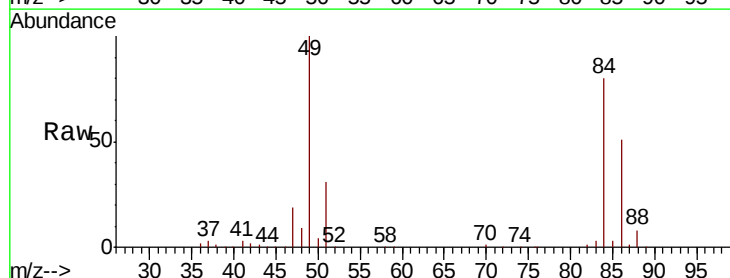
Instrument :
MSVOA_V
ClientSampleId :
VSTD20073

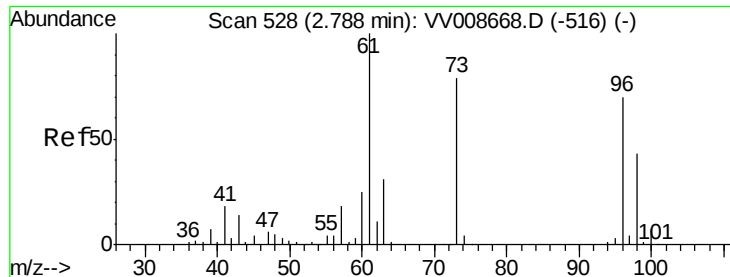
Tgt Ion: 43 Resp: 476347
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1



#16
Methylene chloride
Concen: 194.652 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Tgt Ion: 84 Resp: 405043
Ion Ratio Lower Upper
84 100
86 64.3 43.6 81.0
49 125.0 87.1 161.7





#17

trans-1,2-Dichloroethene

Concen: 202.594 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

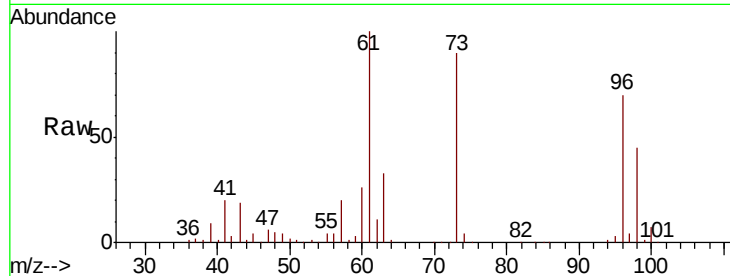
Tgt Ion: 96 Resp: 375964

Ion Ratio Lower Upper

96 100

61 143.5 100.4 186.4

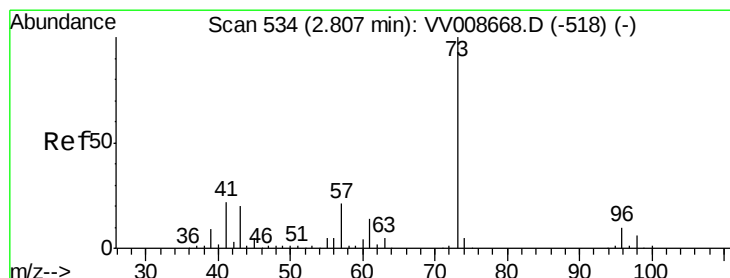
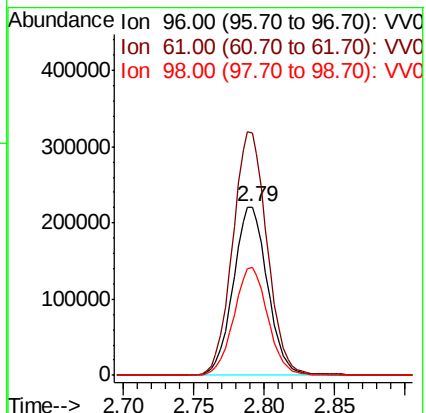
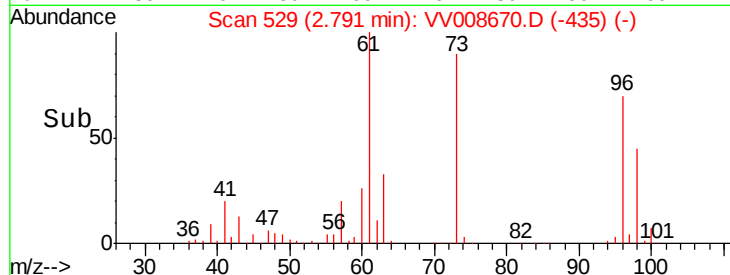
98 64.1 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VV008670.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV008670.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV008670.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 201.874 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

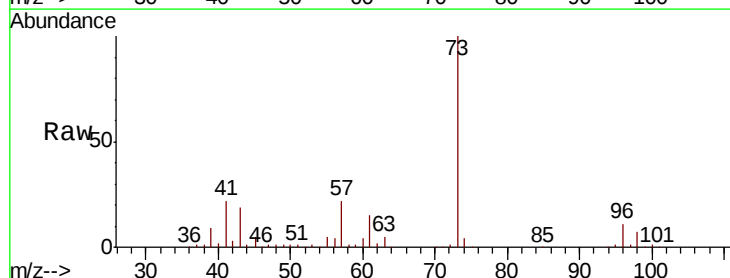
Tgt Ion: 73 Resp: 1272451

Ion Ratio Lower Upper

73 100

43 19.3 16.0 24.0

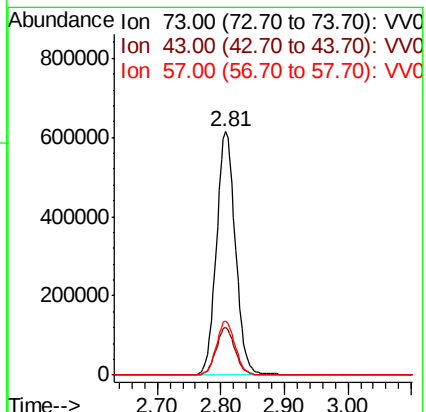
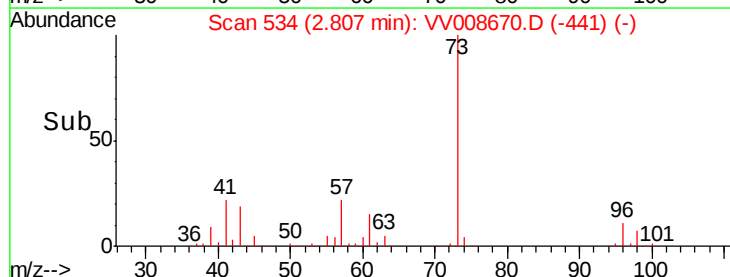
57 22.0 17.5 26.3

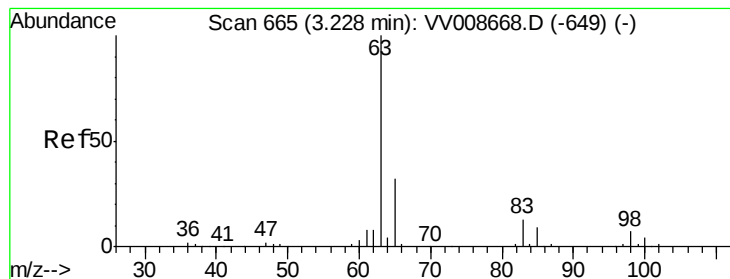


Abundance Ion 73.00 (72.70 to 73.70): VV008670.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008670.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008670.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 205.068 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

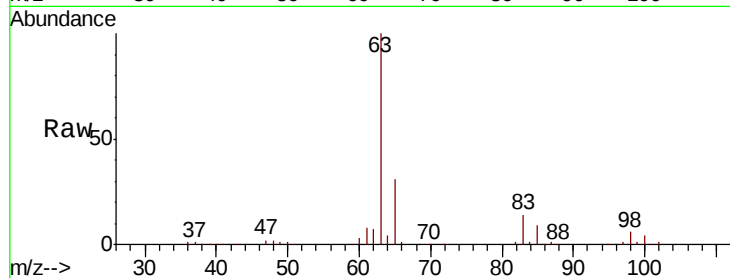
Tgt Ion: 63 Resp: 725151

Ion Ratio Lower Upper

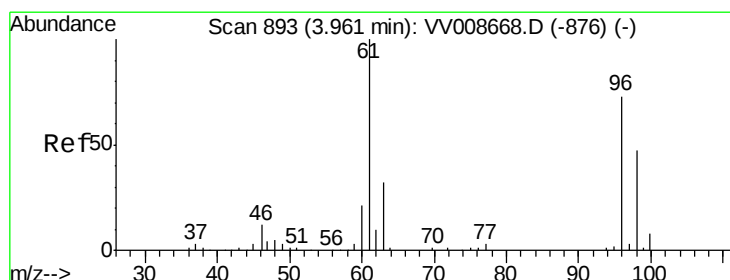
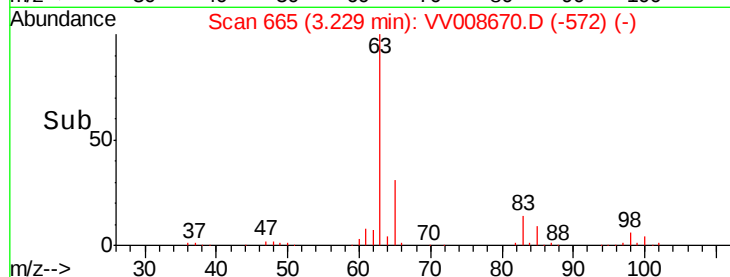
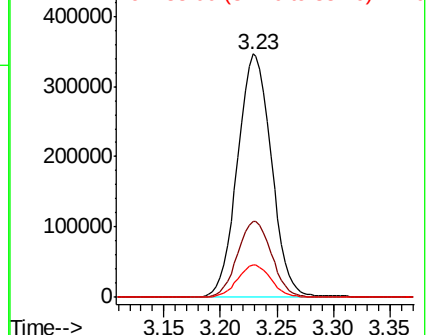
63 100

65 31.4 22.5 41.7

83 13.6 9.3 17.3



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: 207.214 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

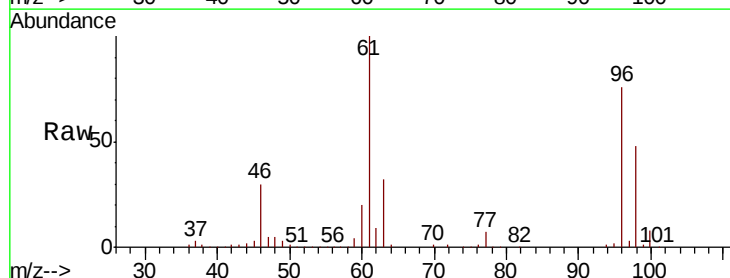
Tgt Ion: 96 Resp: 433634

Ion Ratio Lower Upper

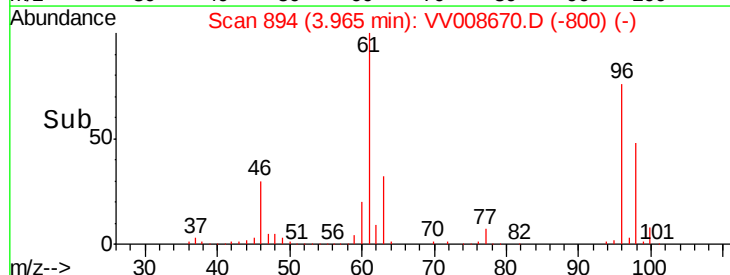
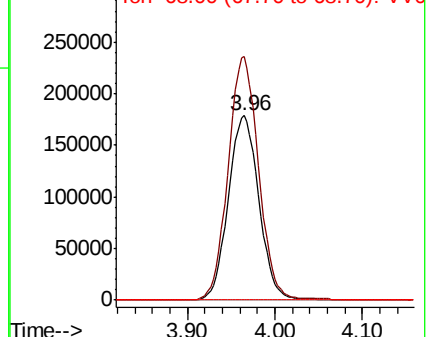
96 100

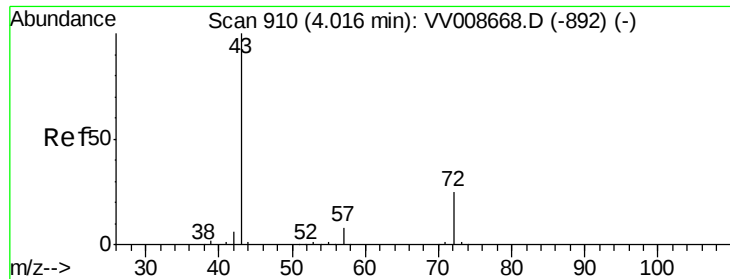
61 132.1 96.5 179.3

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: 445.013 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

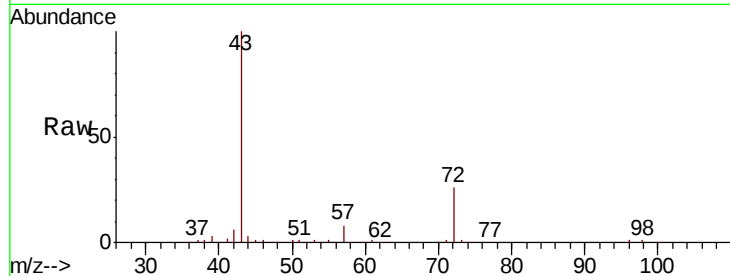
VSTD20073

Tgt Ion: 43 Resp: 765581

Ion Ratio Lower Upper

43 100

72 26.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV008668.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV008668.D (-892) (-)

4.02

250000

200000

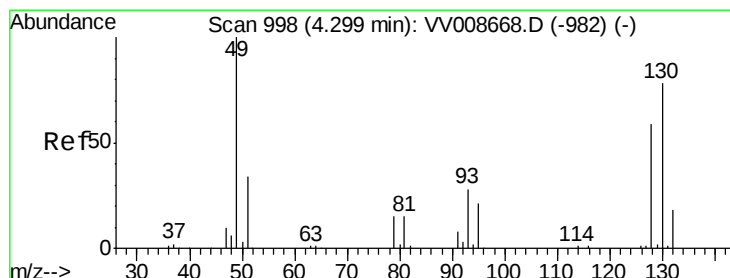
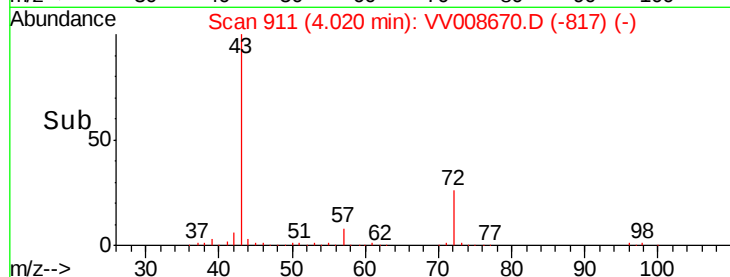
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 212.152 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Tgt Ion: 128 Resp: 211925

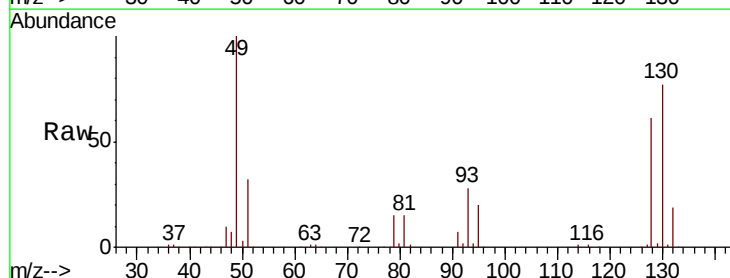
Ion Ratio Lower Upper

128 100

49 164.7 118.1 219.3

130 126.2 91.6 170.2

51 52.6 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV008668.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VV008668.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VV008668.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VV008668.D (-982) (-)

200000

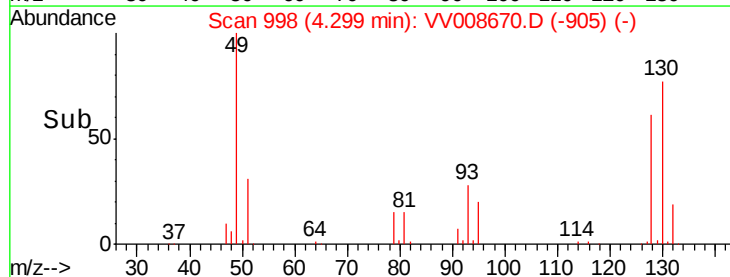
150000

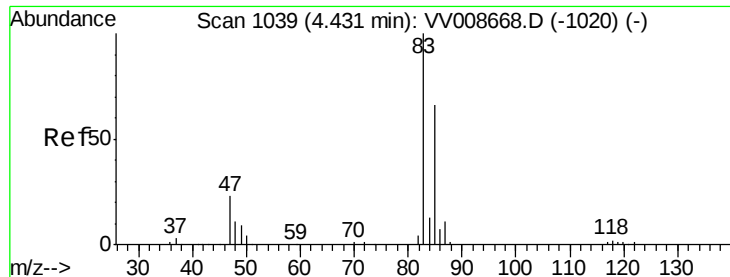
100000

50000

0

Time-->

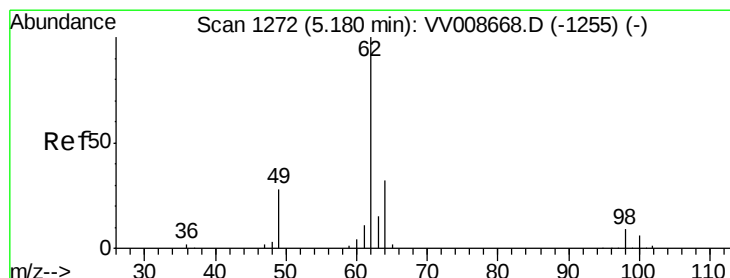
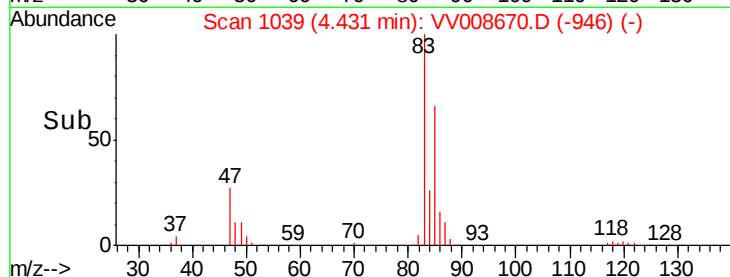
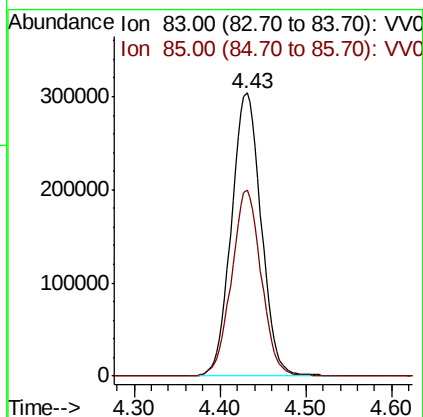
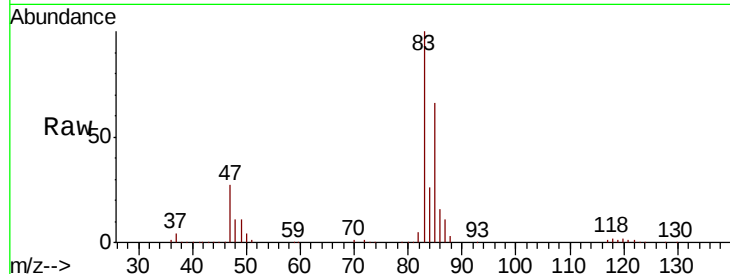




#25
Chloroform
Concen: 185.468 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

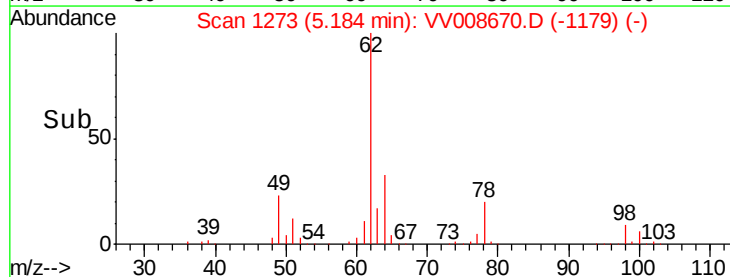
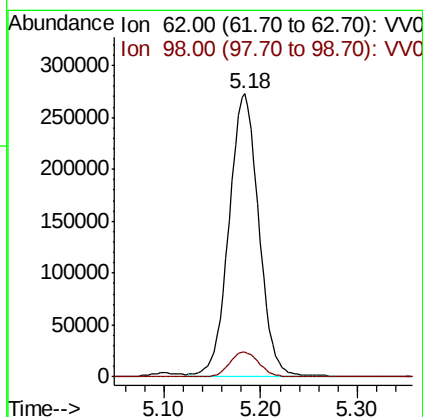
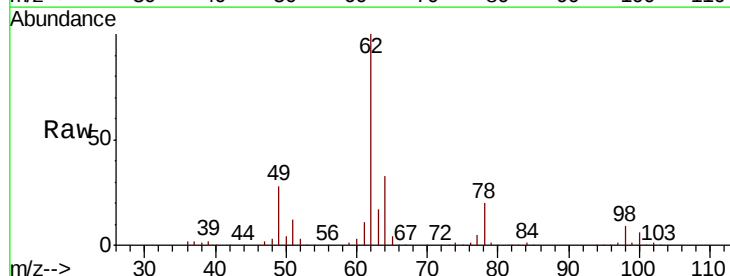
Instrument :
MSVOA_V
ClientSampleId :
VSTD20073

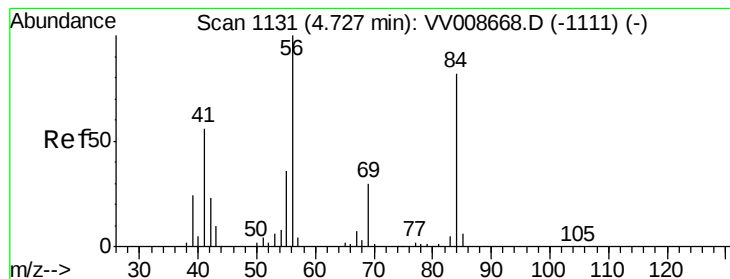
Tgt Ion: 83 Resp: 730646
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 203.252 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Tgt Ion: 62 Resp: 582628
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 193.301 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

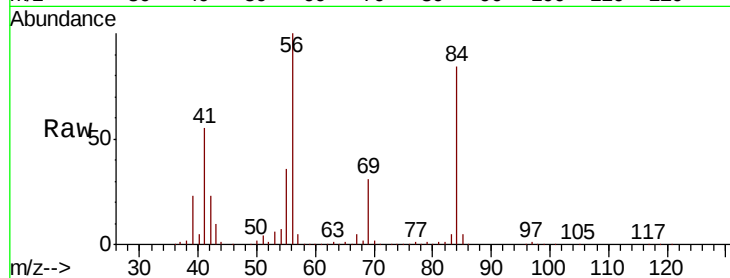
Tgt Ion: 56 Resp: 702724

Ion Ratio Lower Upper

56 100

69 30.8 24.4 36.6

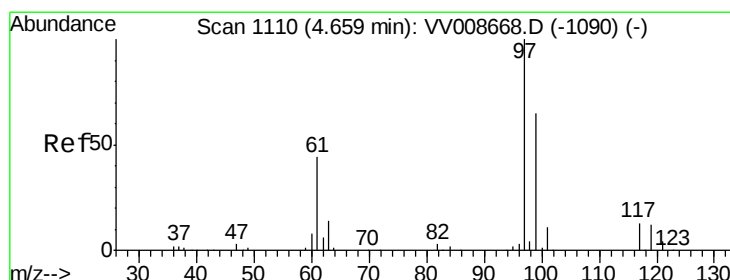
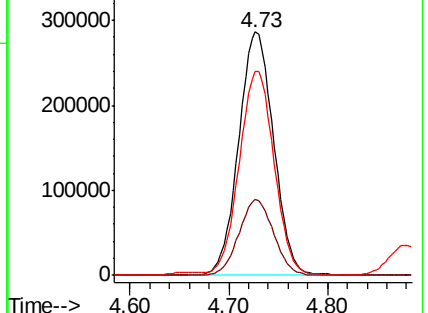
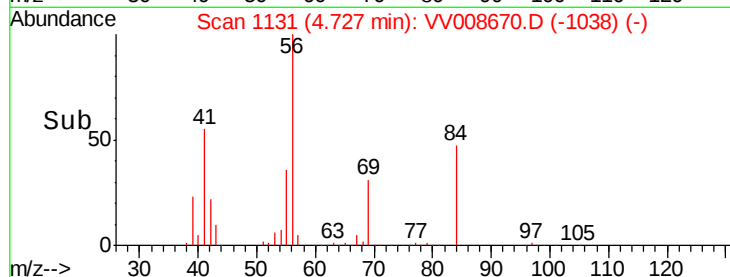
84 83.7 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008670.D (-1038) (-)

Ion 69.00 (68.70 to 69.70): VV008670.D (-1038) (-)

Ion 84.00 (83.70 to 84.70): VV008670.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 196.158 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

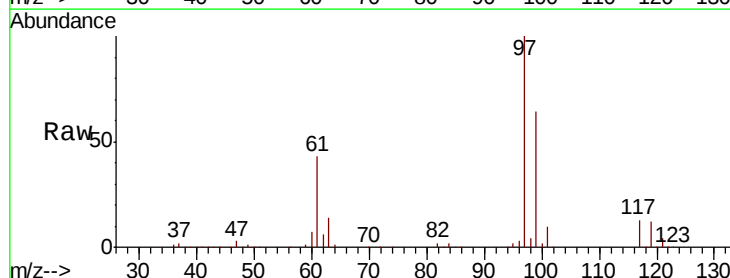
Tgt Ion: 97 Resp: 633884

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

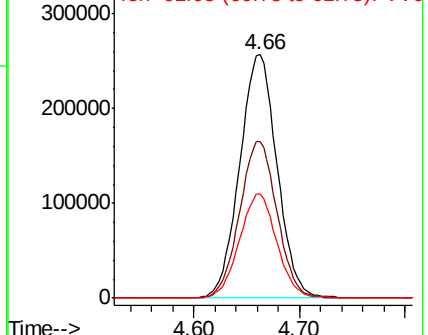
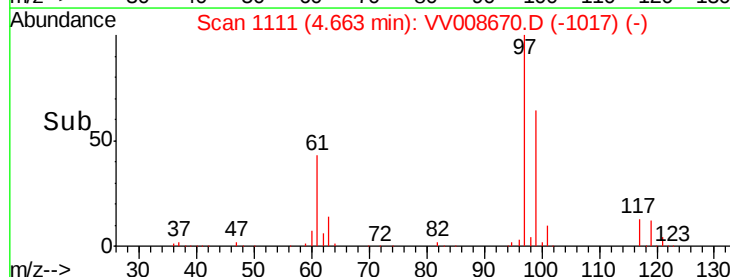
61 43.1 35.2 52.8

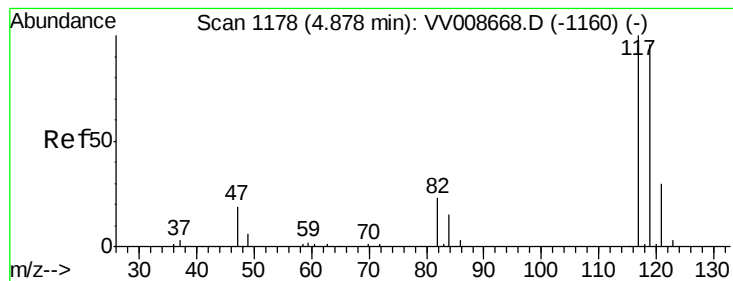


Abundance Ion 97.00 (96.70 to 97.70): VV008670.D (-1017) (-)

Ion 99.00 (98.70 to 99.70): VV008670.D (-1017) (-)

Ion 61.05 (60.75 to 61.75): VV008670.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 193.288 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

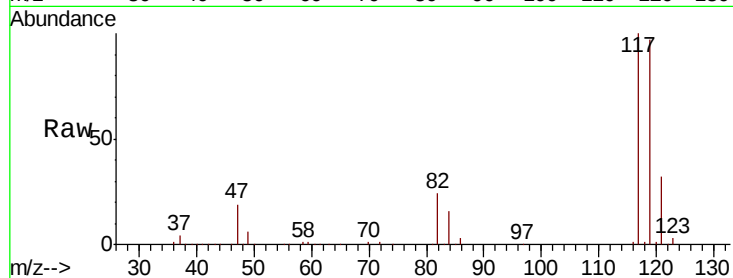
VSTD20073

Tgt Ion:117 Resp: 538140

Ion Ratio Lower Upper

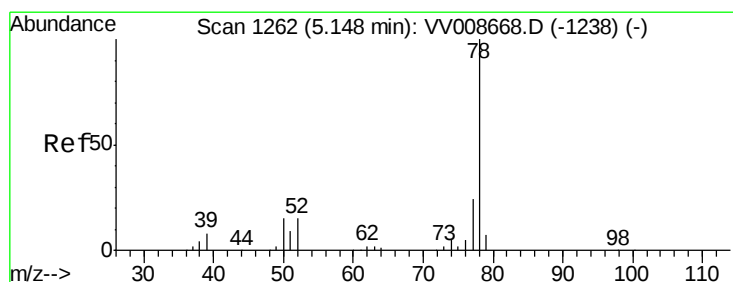
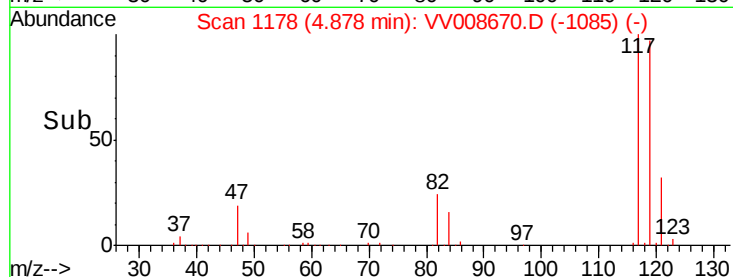
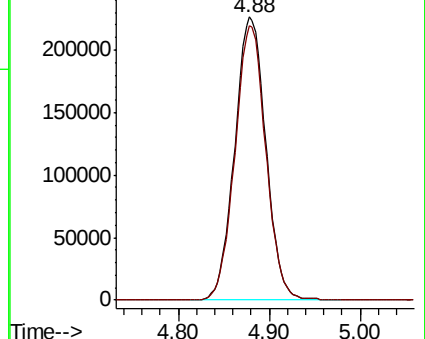
117 100

119 96.1 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 196.352 ug/L

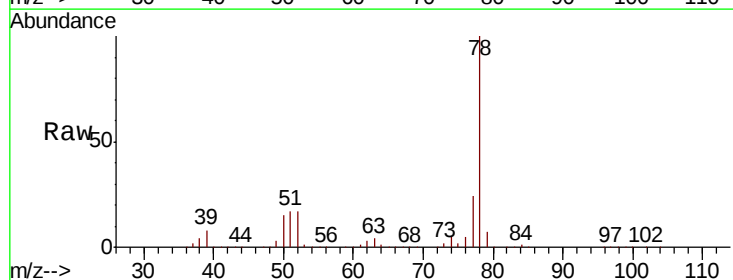
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

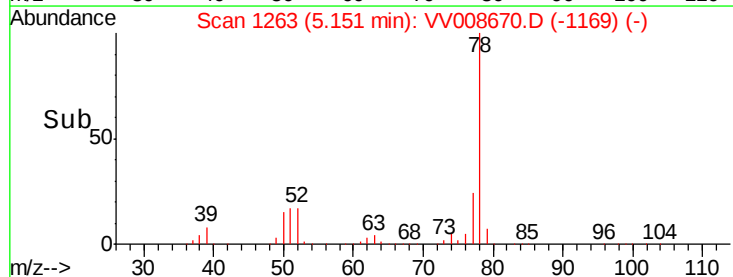
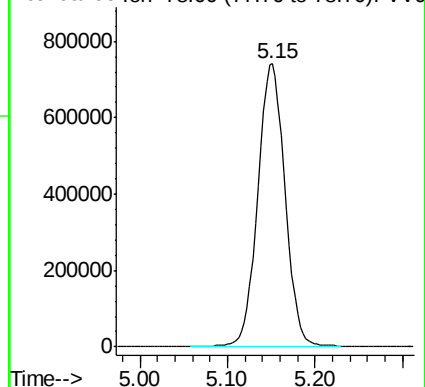
Lab File: VV008670.D

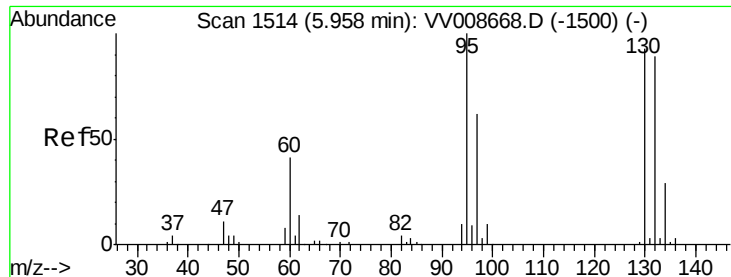
Acq: 20 Nov 2018 12:56

Tgt Ion: 78 Resp: 1603510



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 198.061 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

Tgt Ion: 95 Resp: 426906

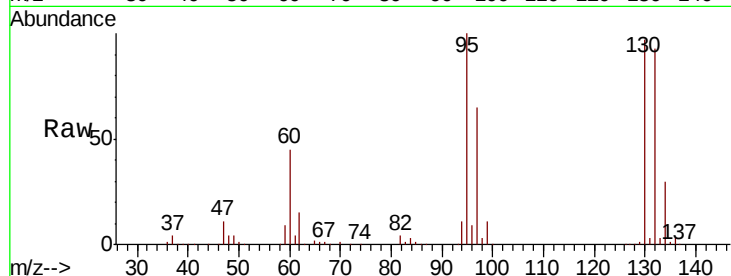
Ion Ratio Lower Upper

95 100

97 64.9 43.2 80.2

132 93.3 62.0 115.2

130 97.4 65.4 121.4

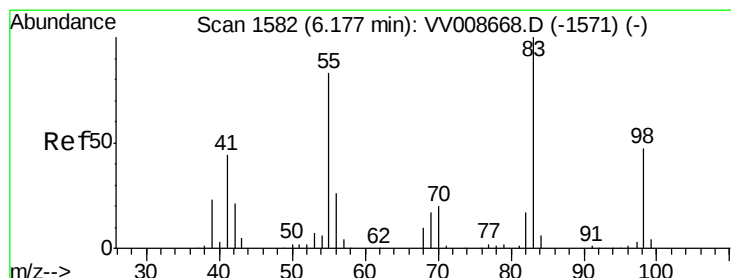
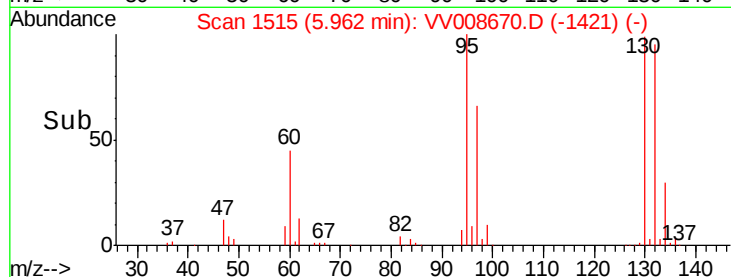
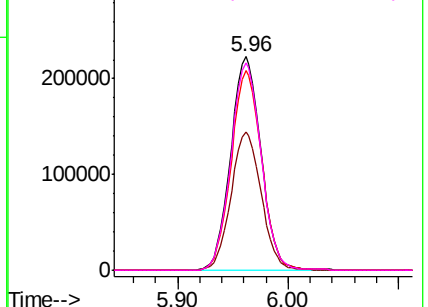


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 201.314 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

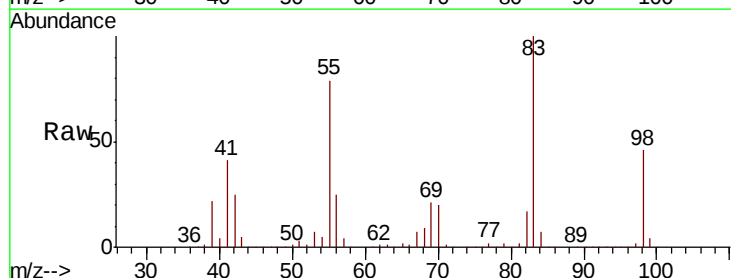
Tgt Ion: 83 Resp: 736415

Ion Ratio Lower Upper

83 100

55 78.7 63.8 95.6

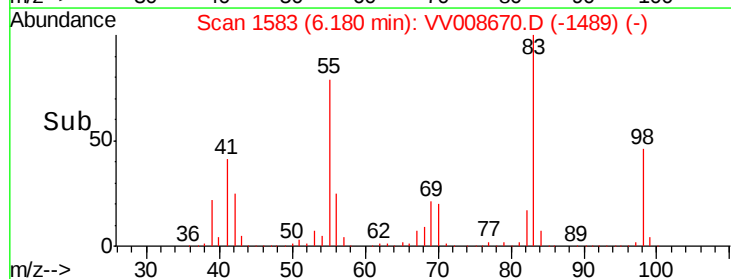
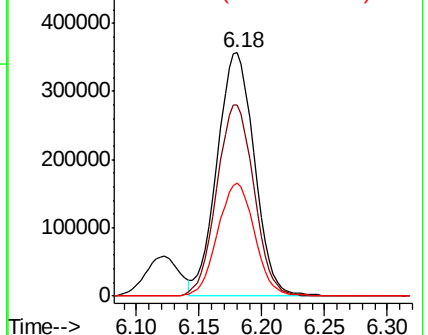
98 46.1 36.1 54.1

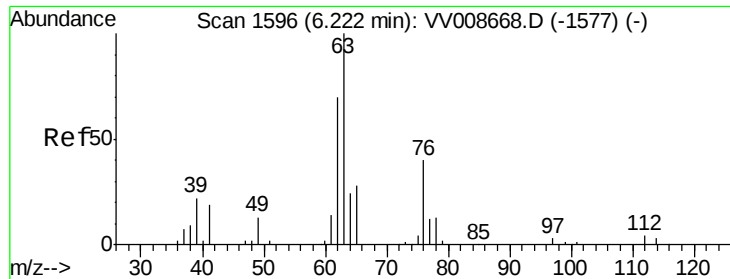


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

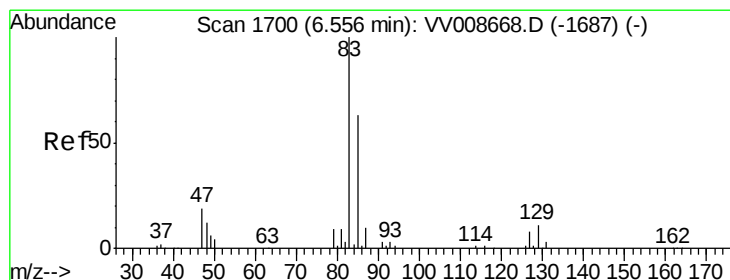
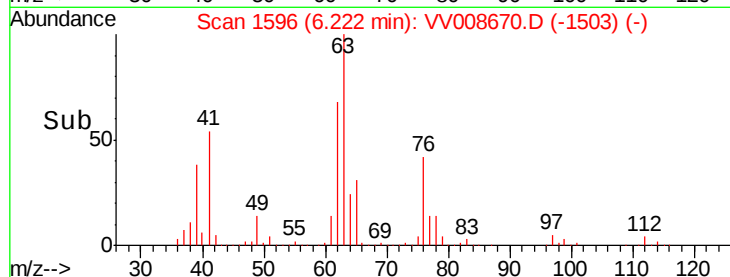
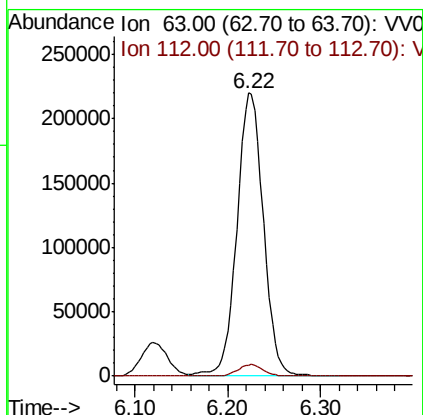
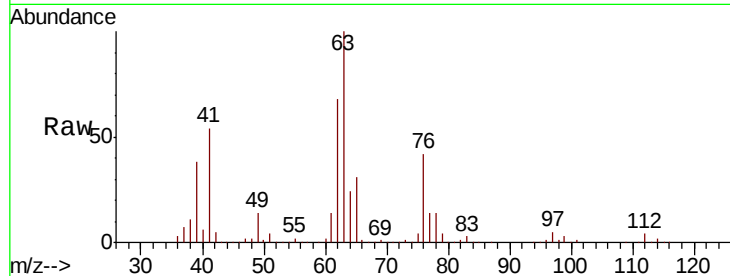




#37
 1,2-Dichloropropane
 Concen: 195.712 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

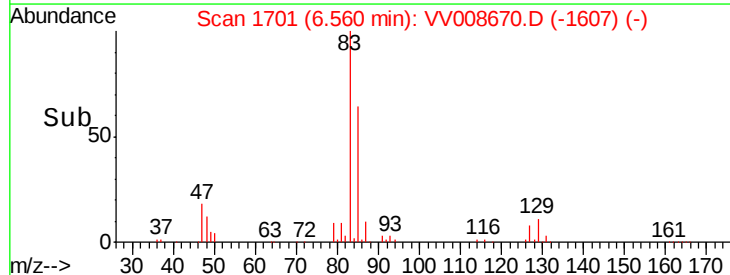
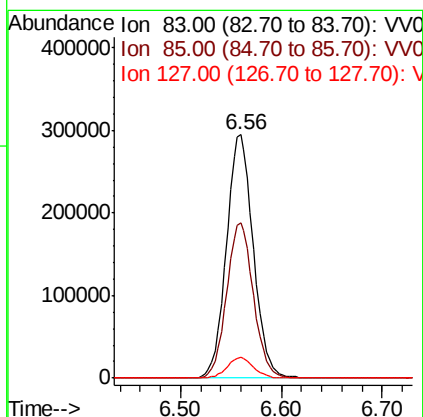
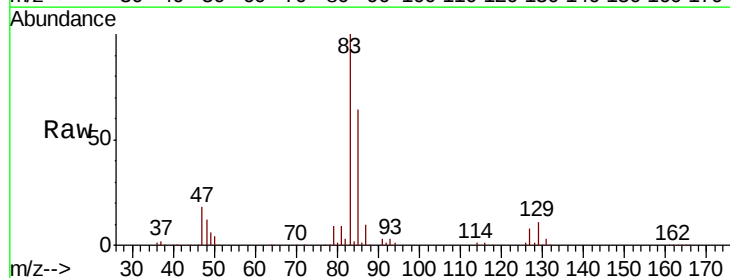
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20073

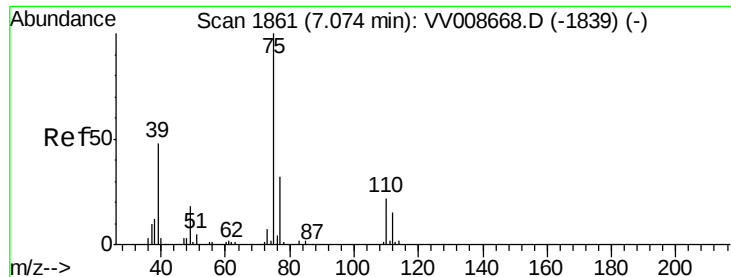
Tgt Ion: 63 Resp: 433615
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 197.815 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

Tgt Ion: 83 Resp: 546328
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.8 81.3
 127 8.4 6.8 10.2

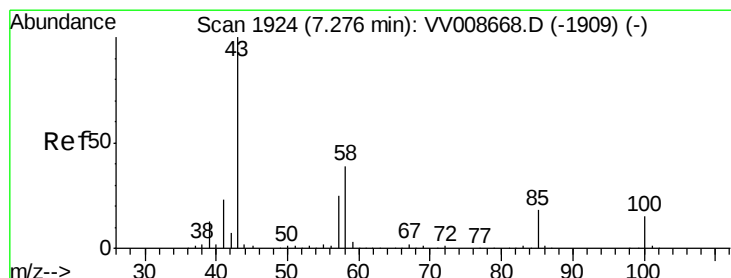
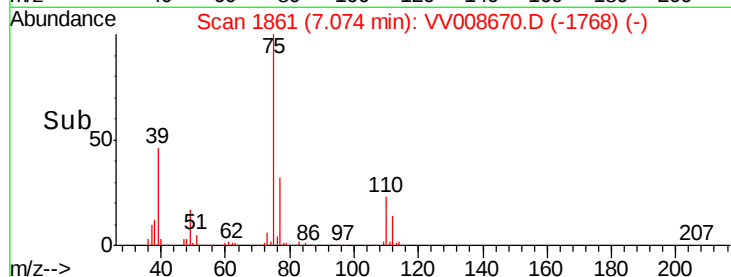
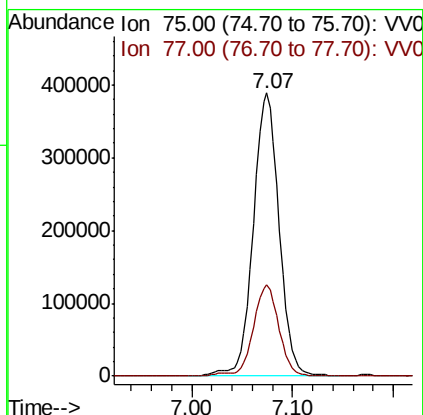
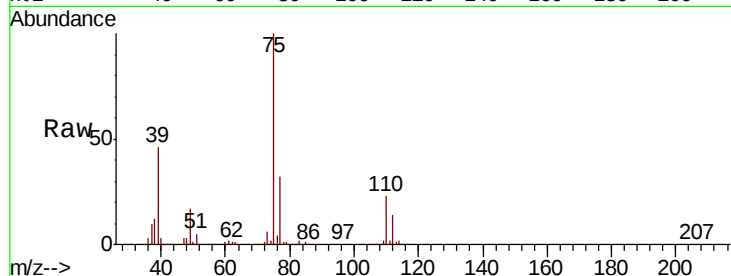




#39
 cis-1,3-Dichloropropene
 Concen: 204.611 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

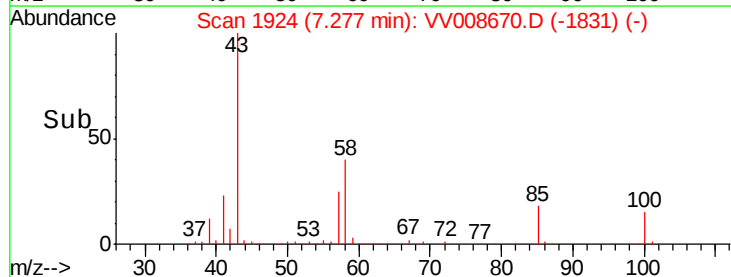
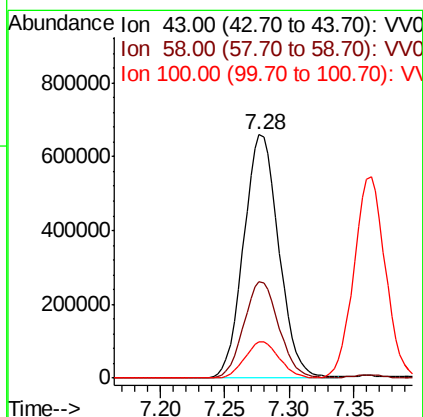
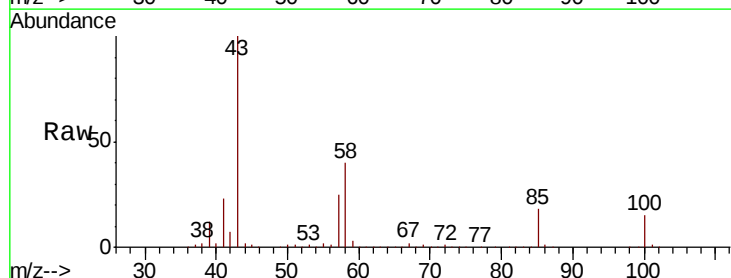
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20073

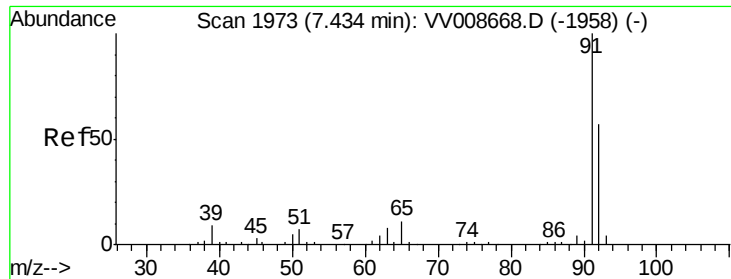
Tgt Ion: 75 Resp: 687421
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 417.632 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

Tgt Ion: 43 Resp: 1253174
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.1 46.7
 100 14.7 11.6 17.4





#42

Toluene

Concen: 199.489 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

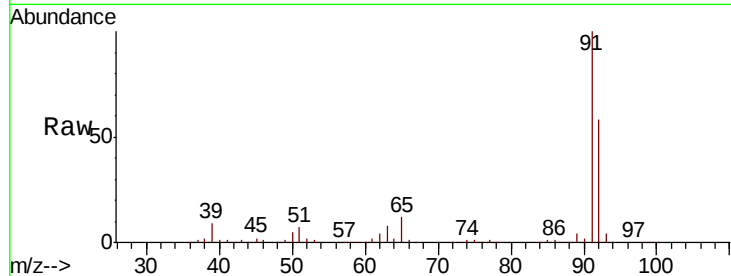
VSTD20073

Tgt Ion: 91 Resp: 1697975

Ion Ratio Lower Upper

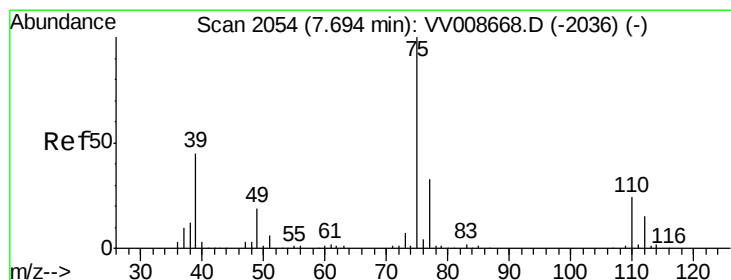
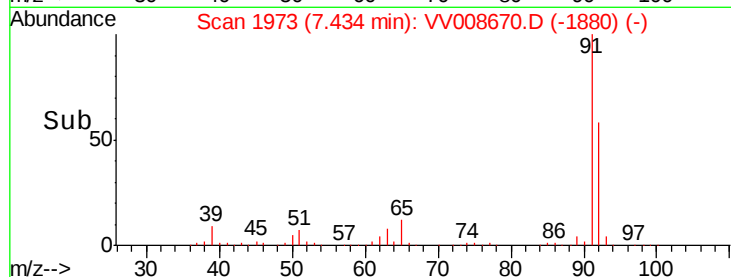
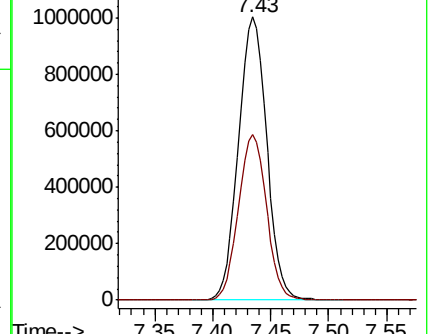
91 100

92 58.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 208.601 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008670.D

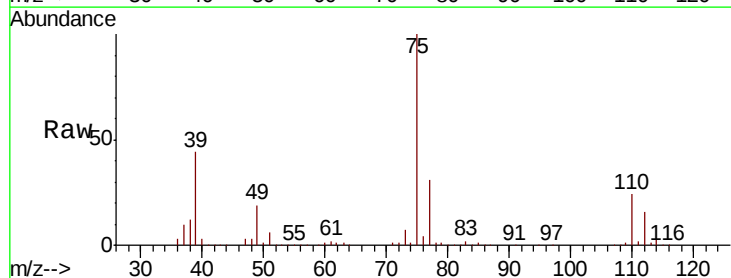
Acq: 20 Nov 2018 12:56

Tgt Ion: 75 Resp: 637299

Ion Ratio Lower Upper

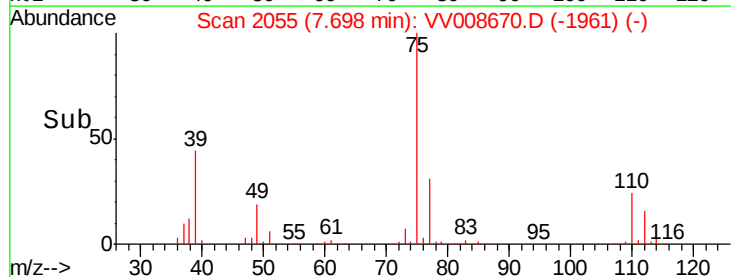
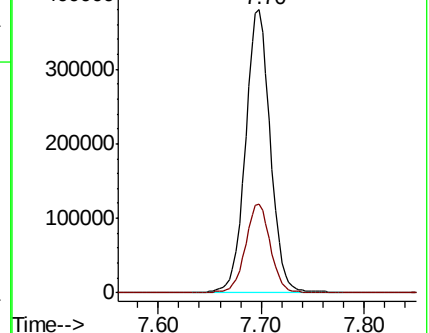
75 100

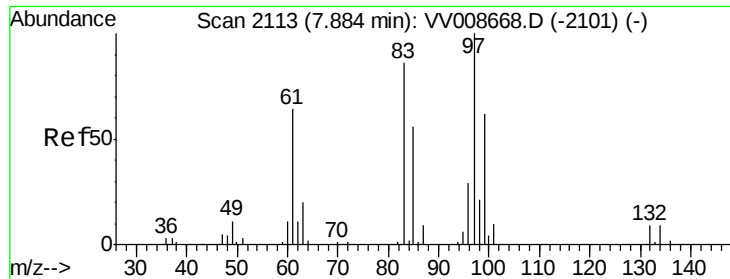
77 31.4 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

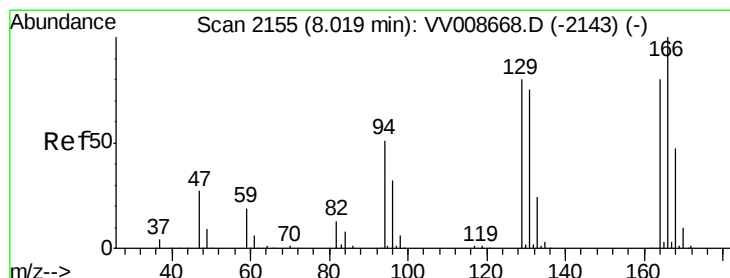
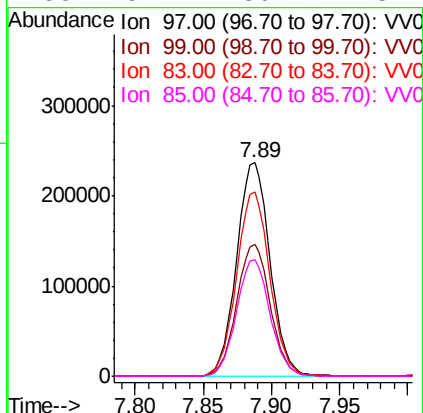
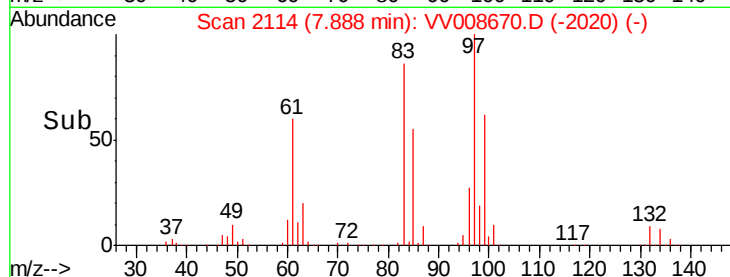
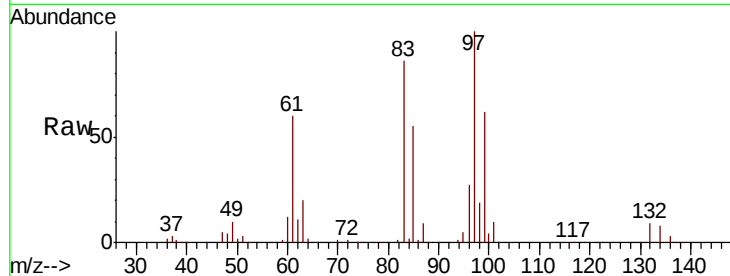




#45
 1,1,2-Trichloroethane
 Concen: 202.766 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

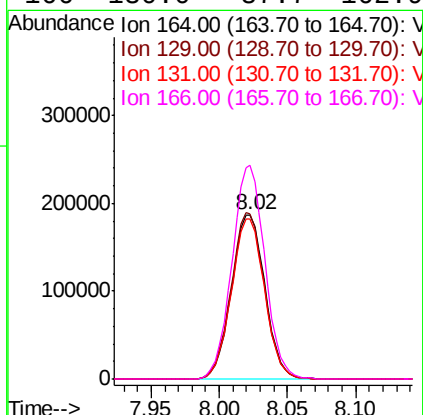
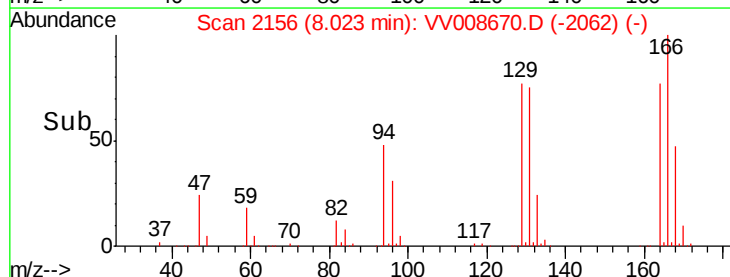
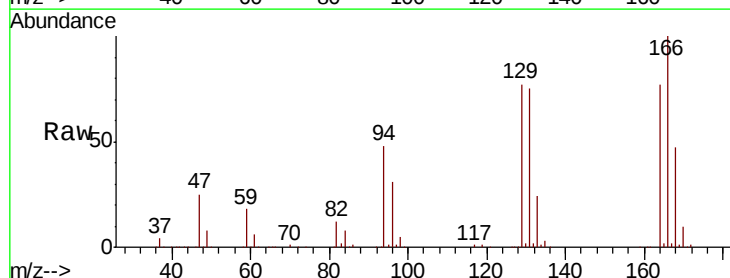
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20073

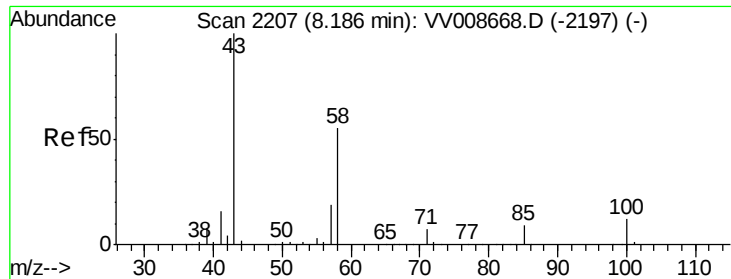
Tgt Ion:	97	Resp:	402880
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	86.2	59.9	111.3
85	54.7	39.4	73.2



#46
 Tetrachloroethene
 Concen: 205.735 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

Tgt Ion:	164	Resp:	317459
Ion	Ratio	Lower	Upper
164	100		
129	100.4	70.1	130.1
131	97.6	65.9	122.3
166	130.0	87.7	162.9

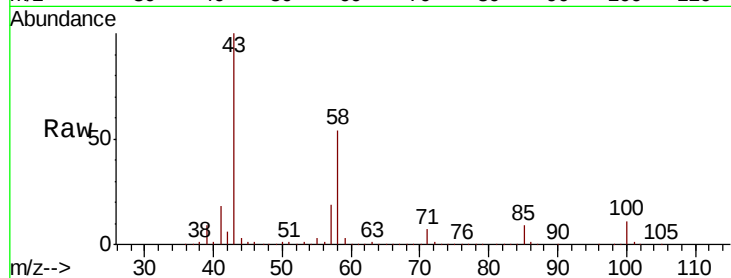




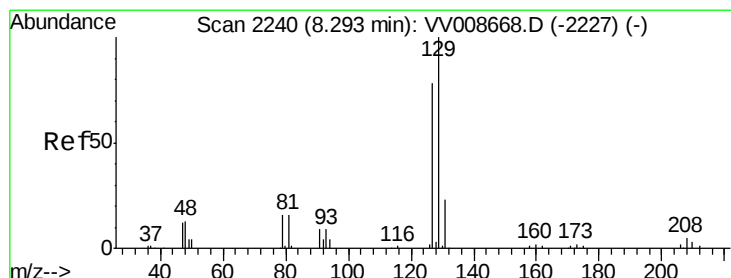
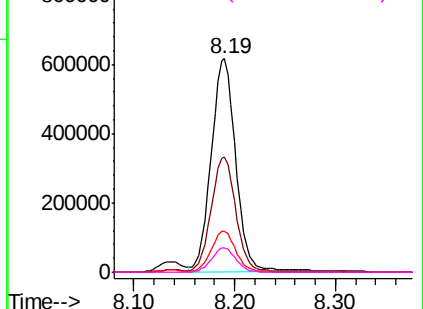
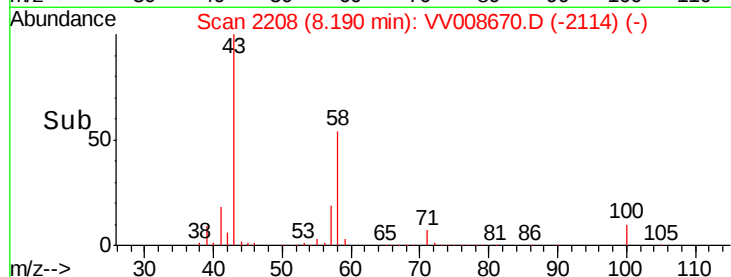
#48
2-Hexanone
Concen: 445.855 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD20073

Tgt Ion: 43 Resp: 1035630
Ion Ratio Lower Upper
43 100
58 54.2 43.3 64.9
57 18.9 15.0 22.4
100 11.5 9.1 13.7

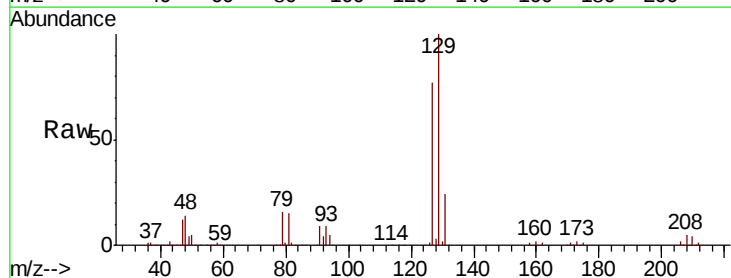


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

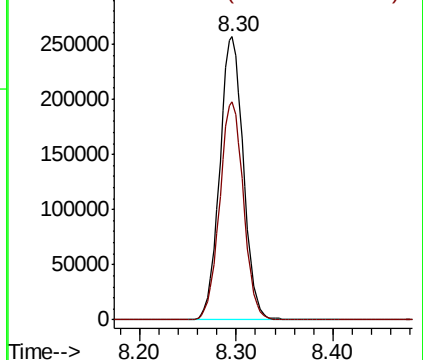
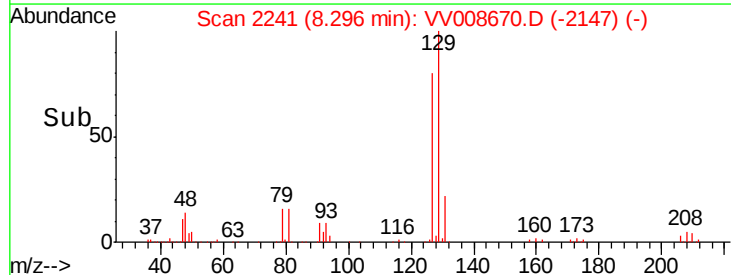


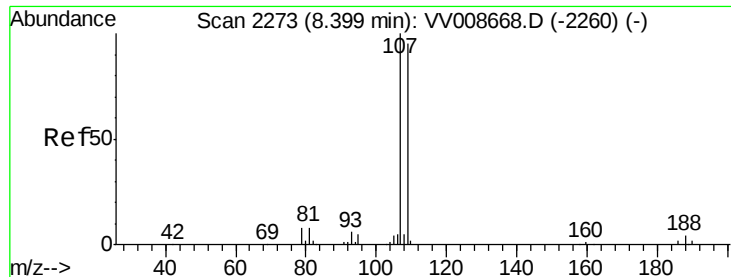
#49
Dibromochloromethane
Concen: 209.465 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Tgt Ion: 129 Resp: 435194
Ion Ratio Lower Upper
129 100
127 77.1 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

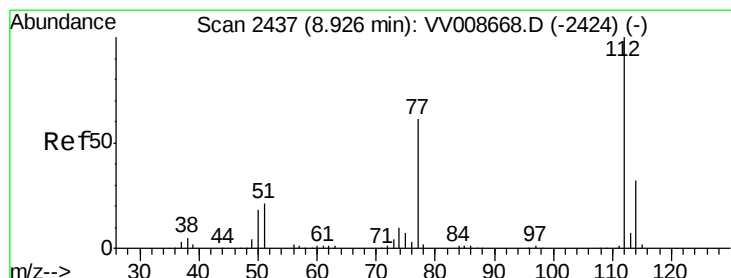
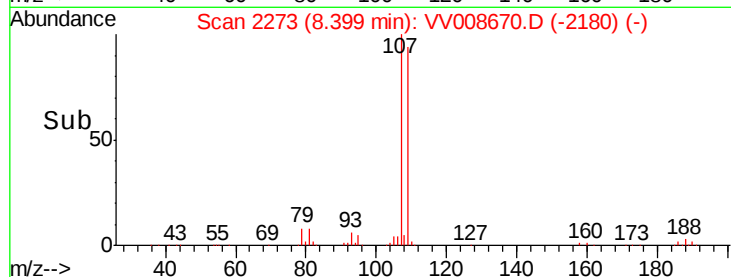
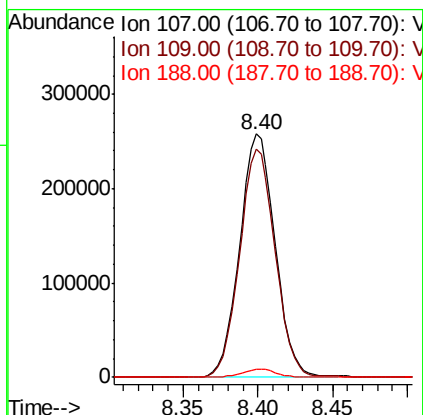
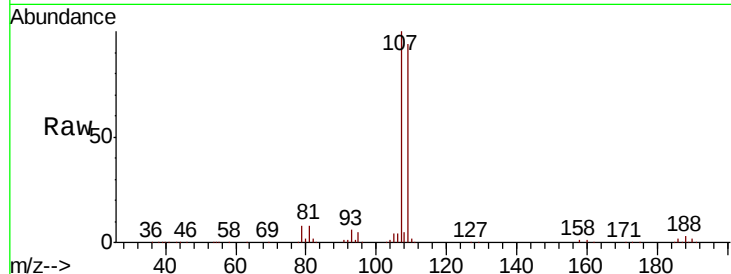




#50
1,2-Dibromoethane
Concen: 205.982 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

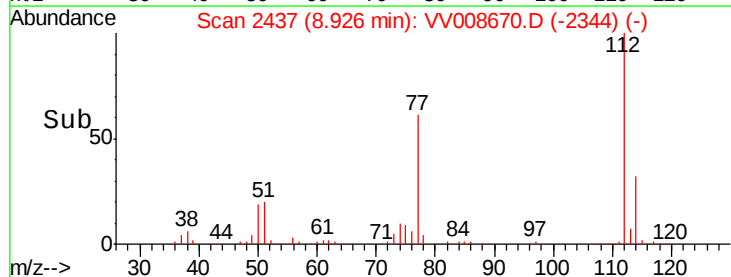
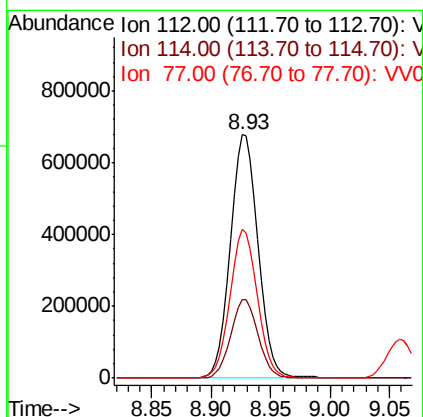
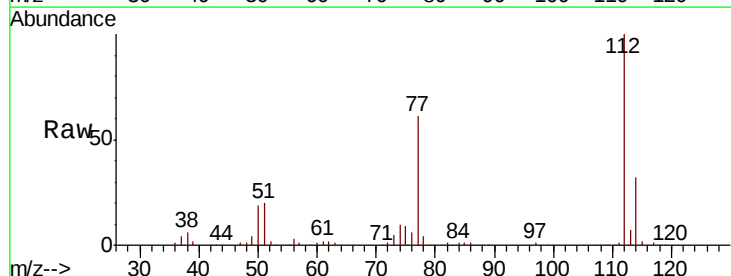
Instrument :
MSVOA_V
ClientSampleId :
VSTD20073

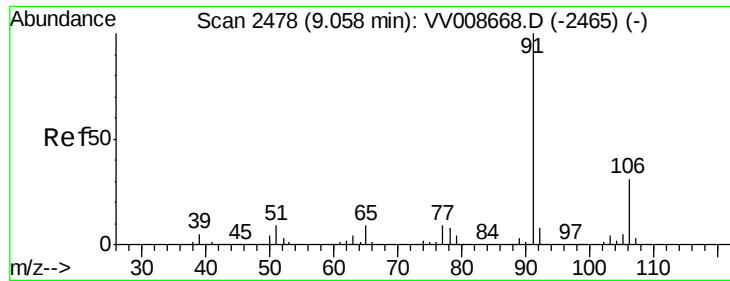
Tgt Ion:107 Resp: 425183
Ion Ratio Lower Upper
107 100
109 93.8 66.2 123.0
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 205.098 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Tgt Ion:112 Resp: 1095509
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 61.0 49.3 73.9





#52

Ethylbenzene

Concen: 205.446 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

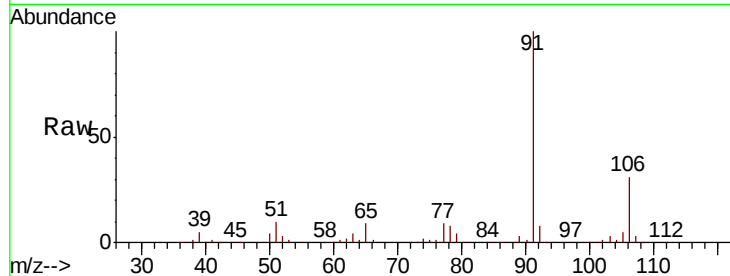
VSTD20073

Tgt Ion: 91 Resp: 1925433

Ion Ratio Lower Upper

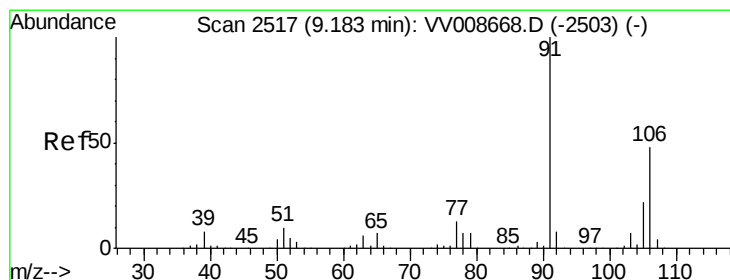
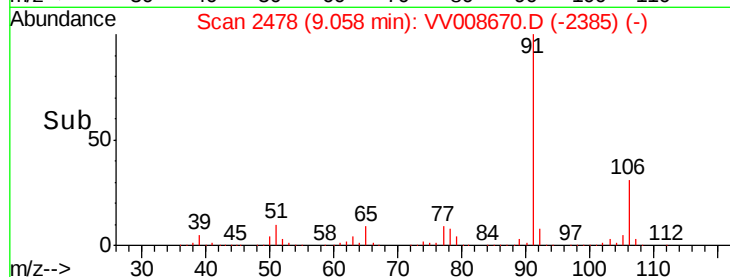
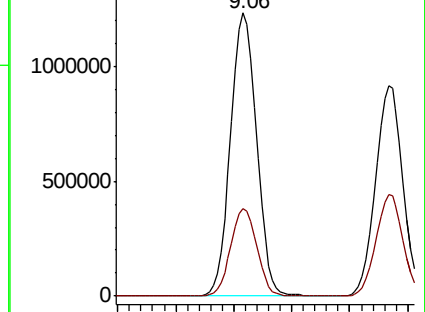
91 100

106 31.0 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008670.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008670.D (-2465) (-)



#53

m,p-Xylene

Concen: 208.732 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008670.D

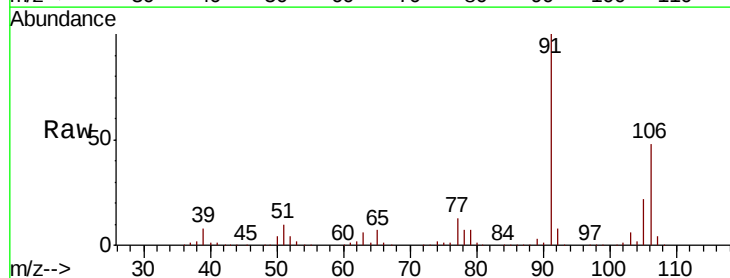
Acq: 20 Nov 2018 12:56

Tgt Ion: 106 Resp: 716939

Ion Ratio Lower Upper

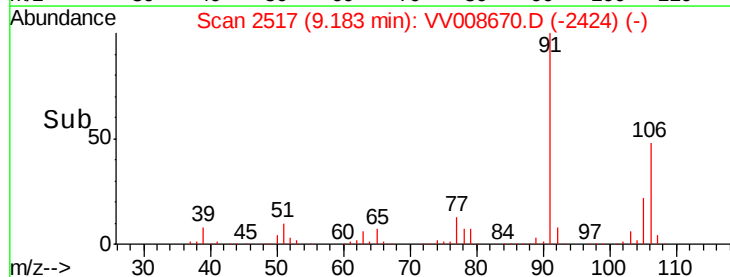
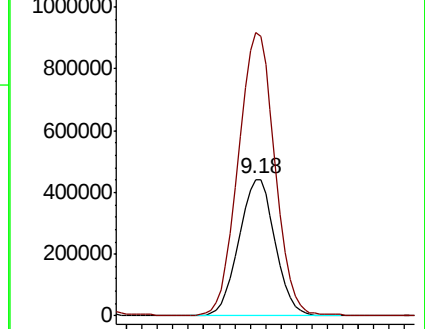
106 100

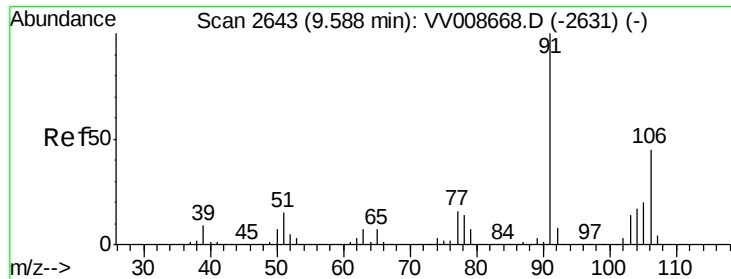
91 207.2 145.3 269.8



Abundance Ion 106.00 (105.70 to 106.70): VV008670.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV008670.D (-2503) (-)

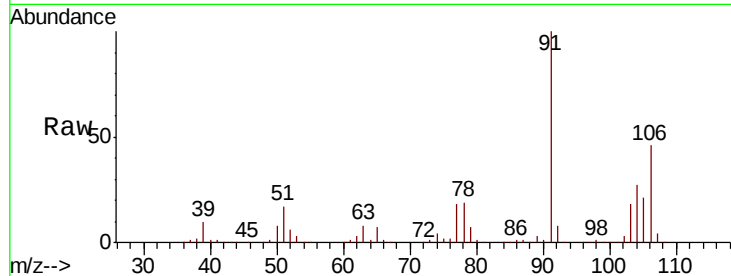




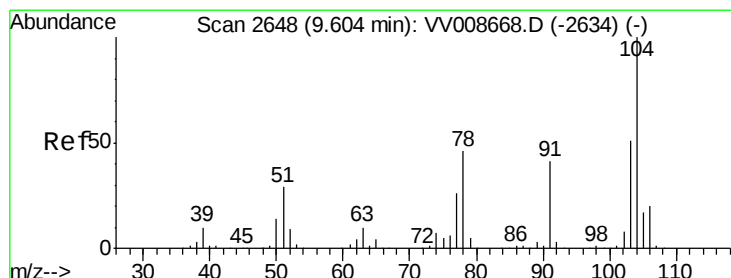
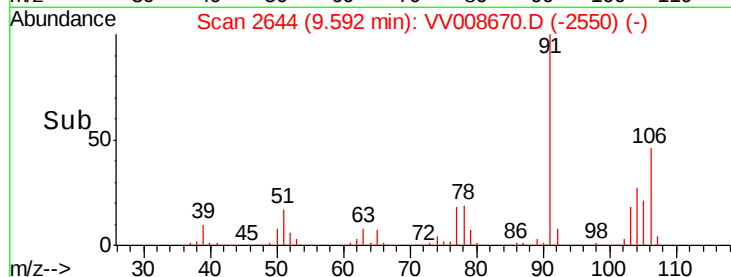
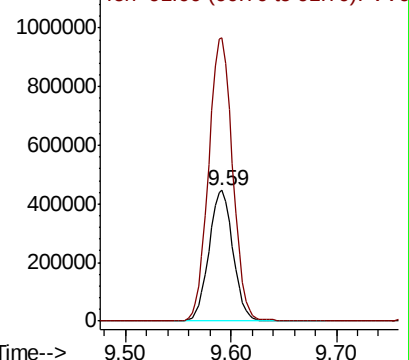
#54
o-xylene
Concen: 206.010 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD20073

Tgt Ion:106 Resp: 701475
Ion Ratio Lower Upper
106 100
91 216.6 157.2 292.0

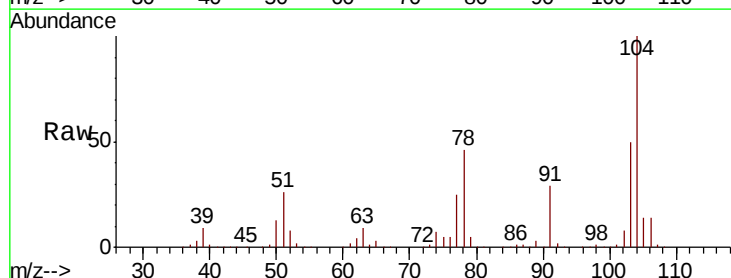


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

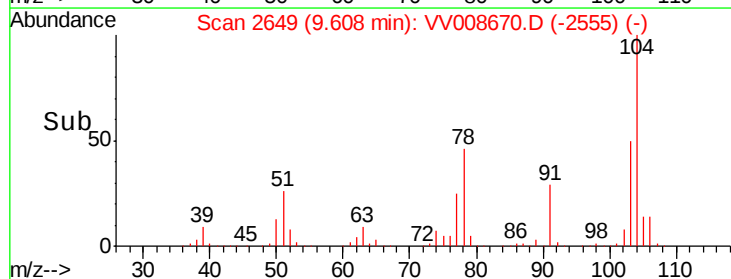
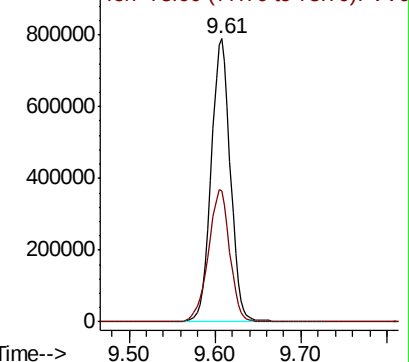


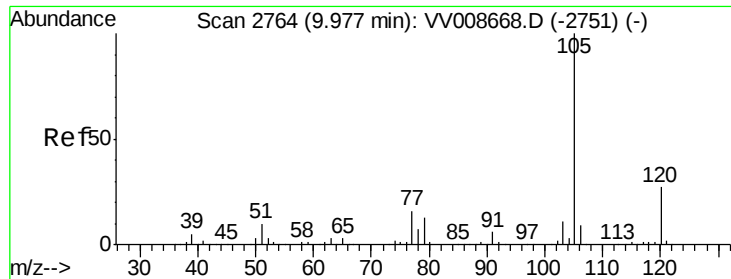
#55
Styrene
Concen: 218.003 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008670.D
Acq: 20 Nov 2018 12:56

Tgt Ion:104 Resp: 1222477
Ion Ratio Lower Upper
104 100
78 46.1 32.6 60.6



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





#56

Isopropylbenzene

Concen: 211.140 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

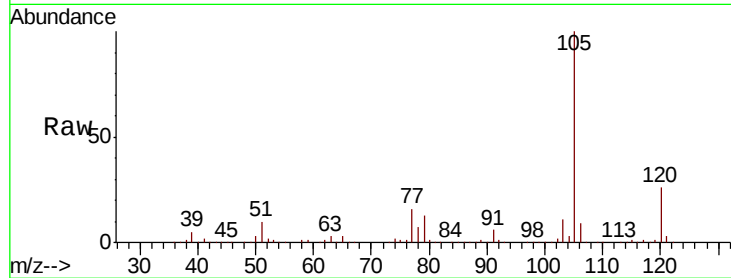
Tgt Ion:105 Resp: 1892522

Ion Ratio Lower Upper

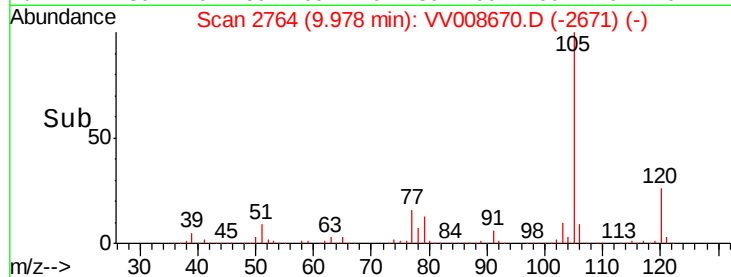
105 100

120 26.2 21.0 31.4

77 15.8 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VV008670.D (-2671) (-)

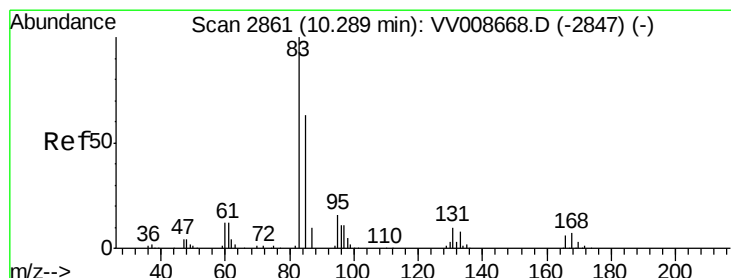


Ion 120.00 (119.70 to 120.70): VV008670.D (-2671) (-)

Ion 77.00 (76.70 to 77.70): VV008670.D (-2671) (-)

Time-->

9.98



#58

1,1,2,2-Tetrachloroethane

Concen: 211.191 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

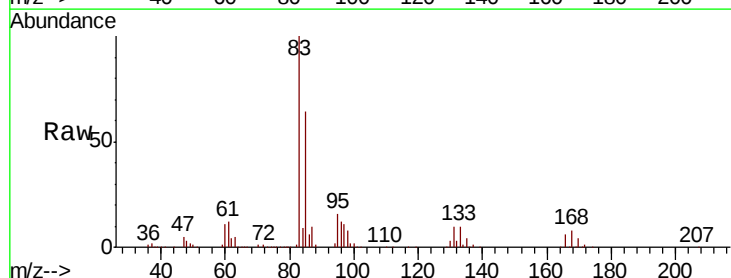
Tgt Ion: 83 Resp: 686189

Ion Ratio Lower Upper

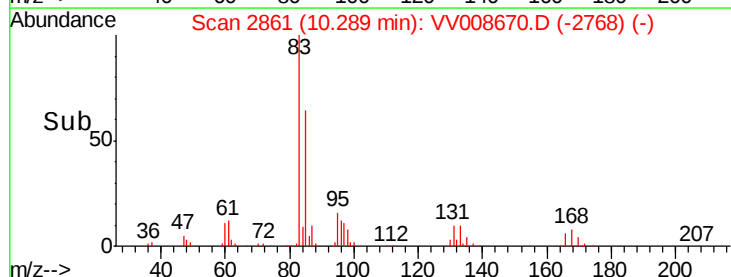
83 100

85 64.1 44.3 82.3

131 9.9 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VV008670.D (-2768) (-)

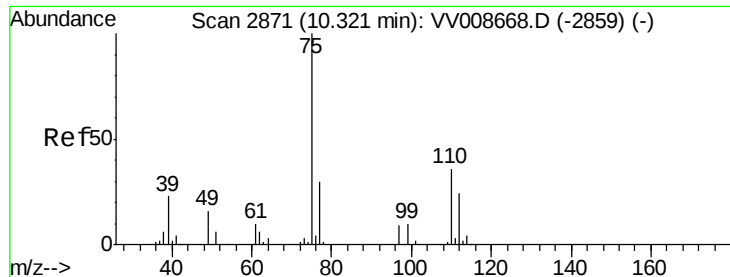


Ion 85.00 (84.70 to 85.70): VV008670.D (-2768) (-)

Ion 131.00 (130.70 to 131.70): VV008670.D (-2768) (-)

Time-->

10.29



#59

1,2,3-Trichloropropane

Concen: 206.872 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

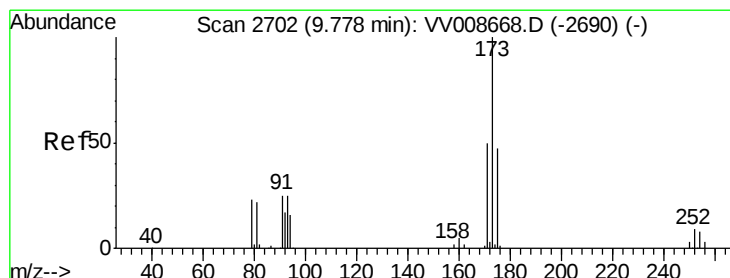
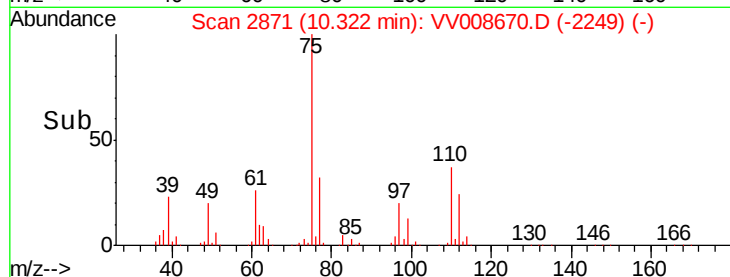
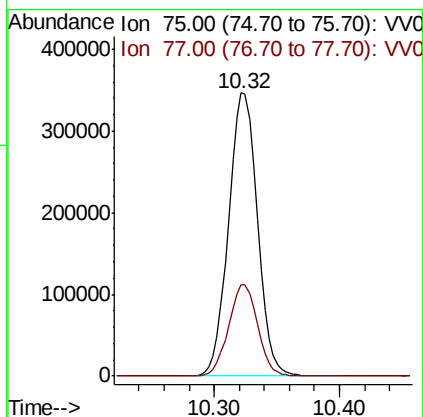
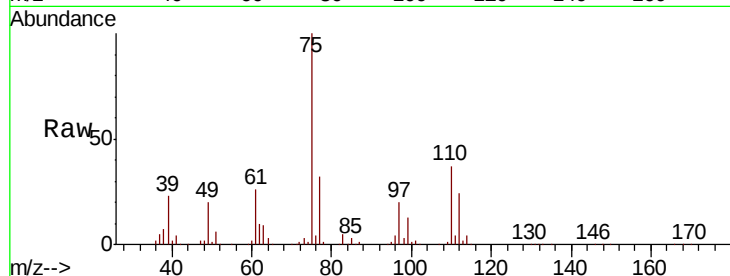
VSTD20073

Tgt Ion: 75 Resp: 554097

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6



#61

Bromoform

Concen: 194.564 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

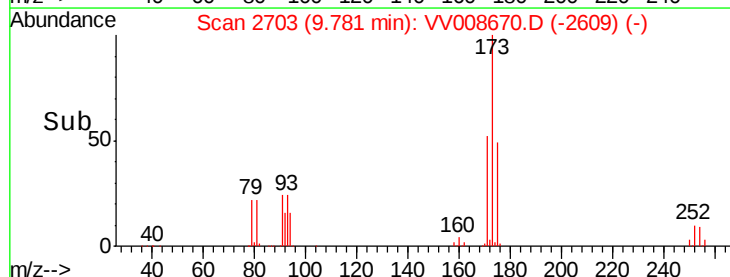
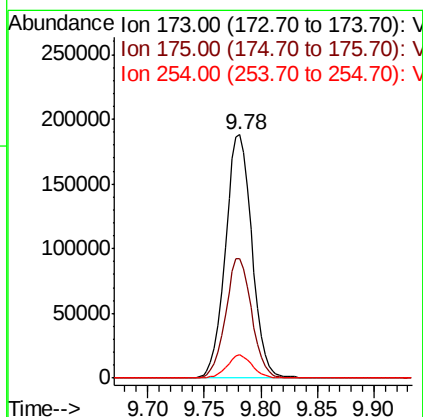
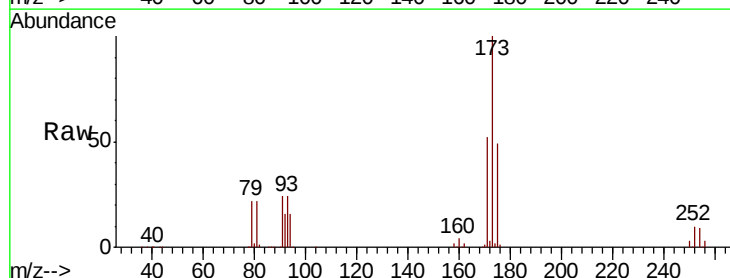
Tgt Ion: 173 Resp: 306085

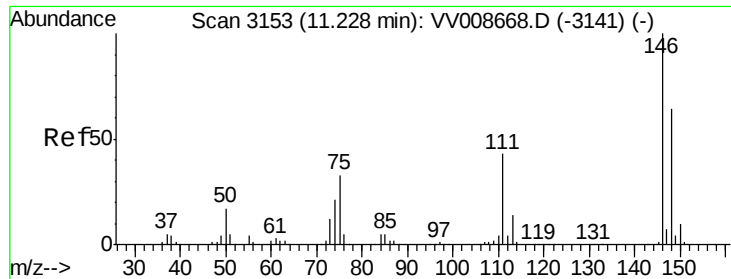
Ion Ratio Lower Upper

173 100

175 48.6 37.5 56.3

254 9.0 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 201.677 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

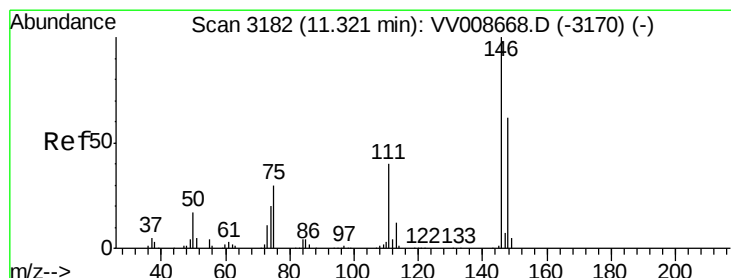
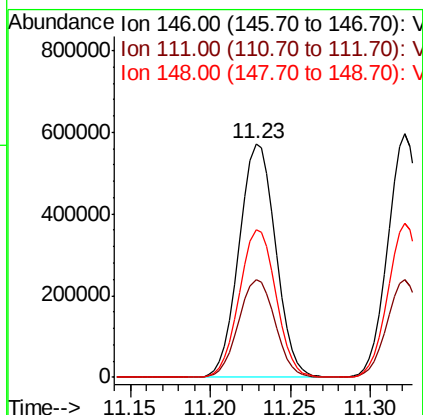
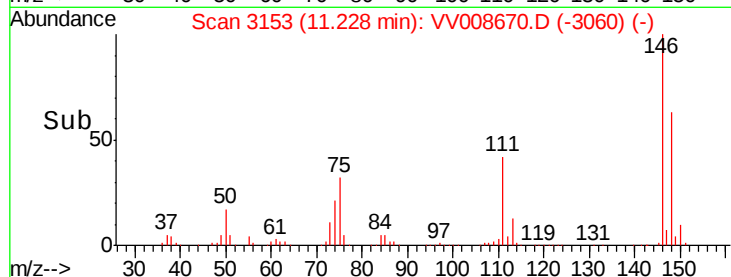
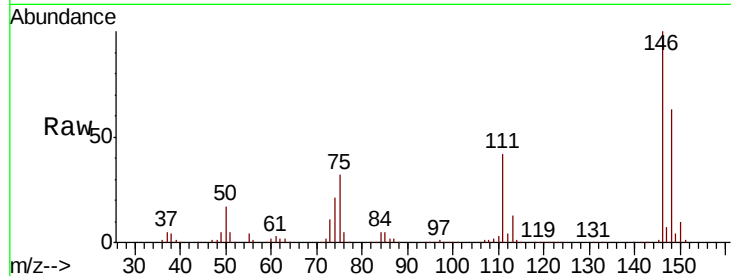
Tgt Ion:146 Resp: 889718

Ion Ratio Lower Upper

146 100

111 42.0 30.0 55.8

148 62.9 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 203.589 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

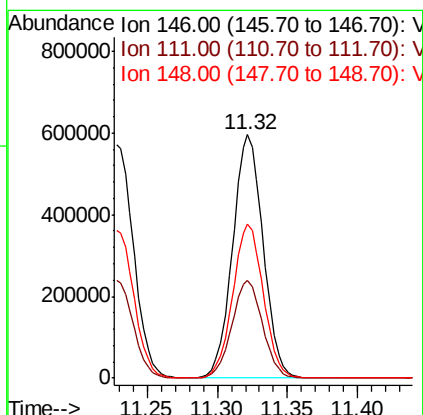
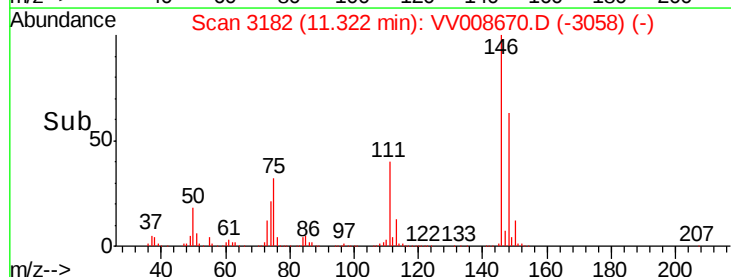
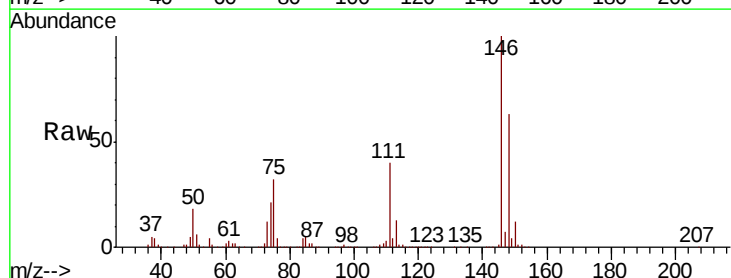
Tgt Ion:146 Resp: 901615

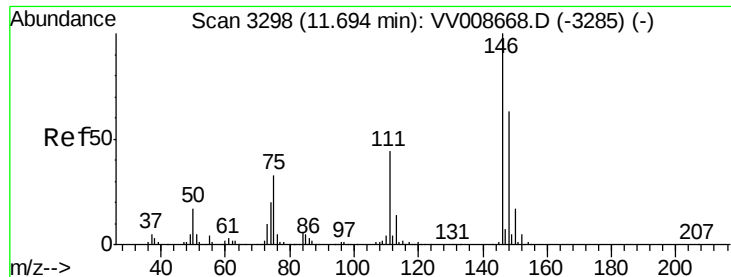
Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.3

148 63.4 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 198.409 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

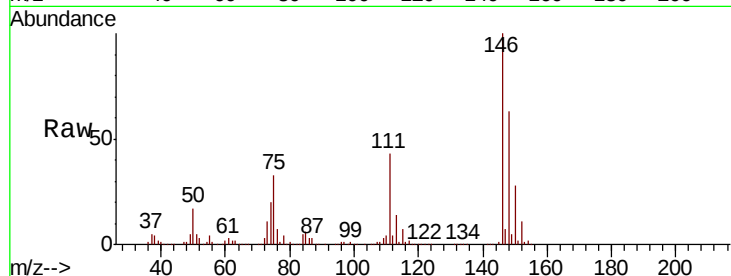
Tgt Ion:146 Resp: 894985

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

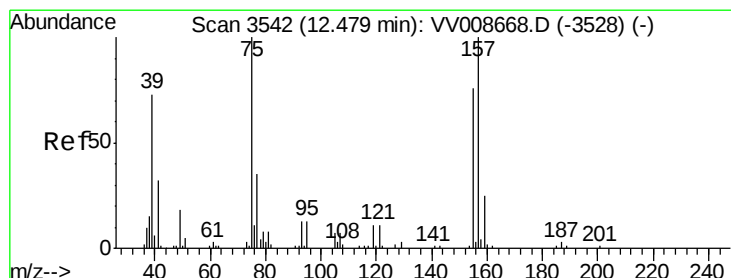
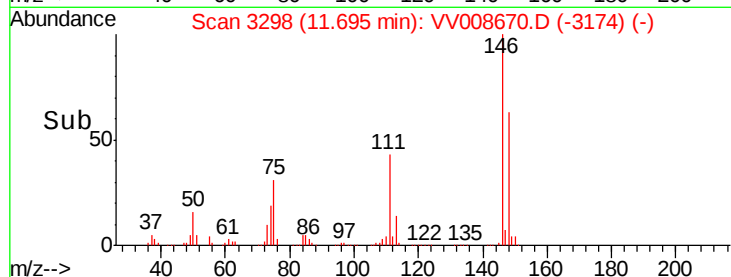
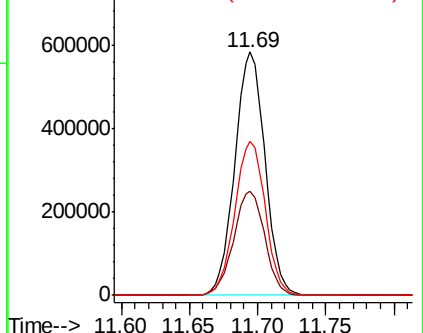
148 63.5 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 192.121 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

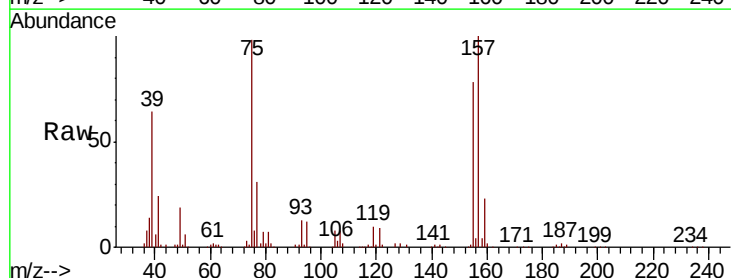
Tgt Ion: 75 Resp: 150972

Ion Ratio Lower Upper

75 100

155 79.5 61.0 91.6

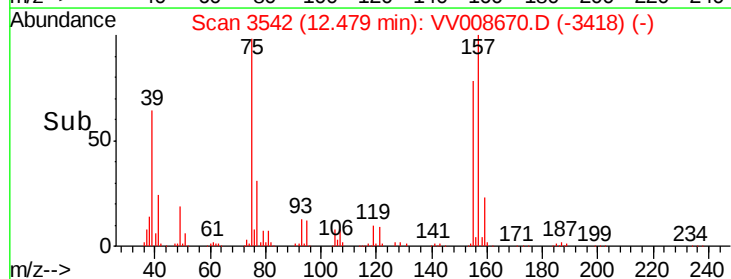
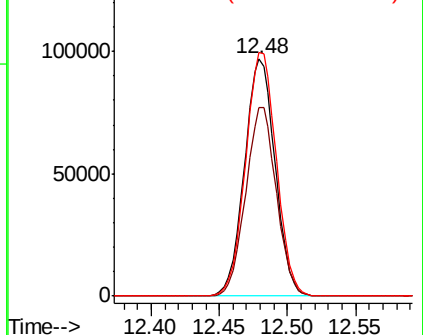
157 102.5 79.9 119.9

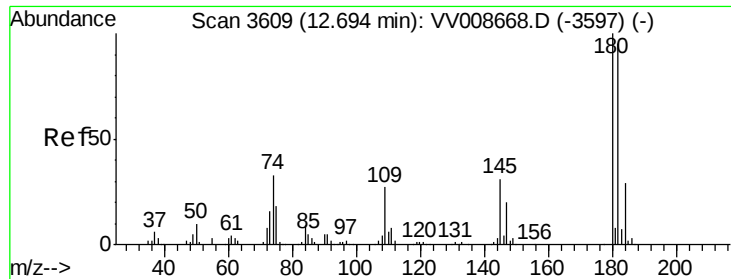


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

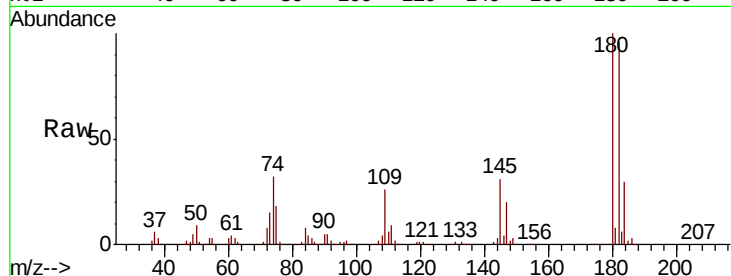




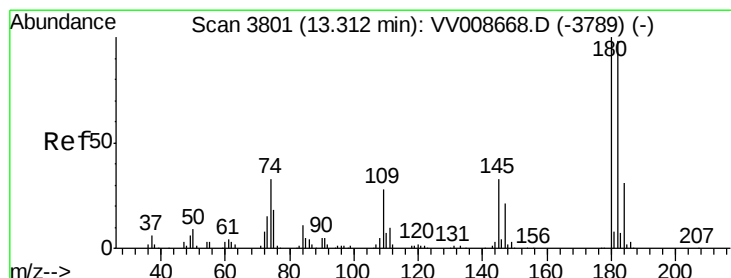
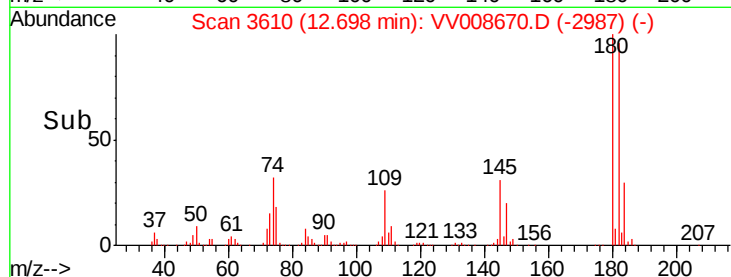
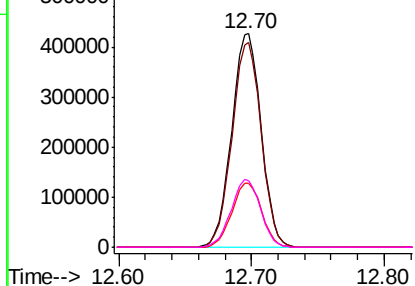
#67
 1,3,5-Trichlorobenzene
 Concen: 216.393 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20073

Tgt Ion:180 Resp: 656192
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 184 30.2 23.8 35.8
 145 31.6 25.5 38.3

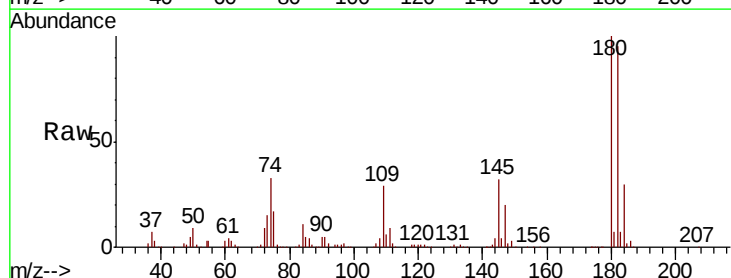


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

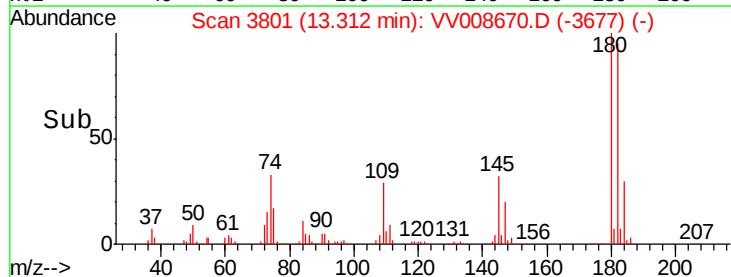
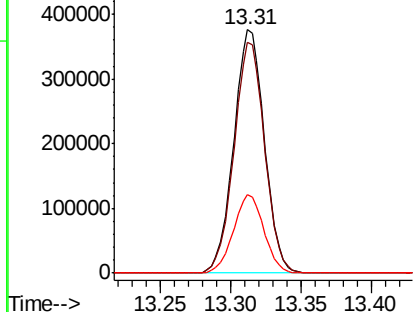


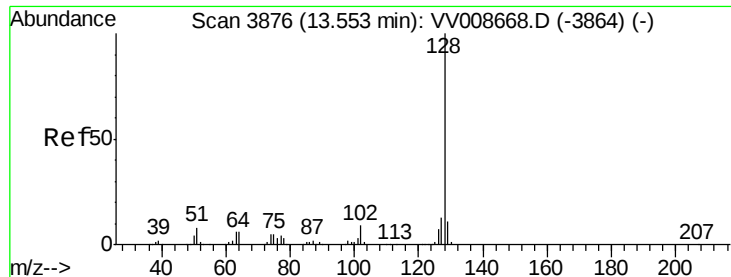
#68
 1,2,4-trichlorobenzene
 Concen: 240.860 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008670.D
 Acq: 20 Nov 2018 12:56

Tgt Ion:180 Resp: 571866
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 145 31.9 26.1 39.1



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: 252.600 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD20073

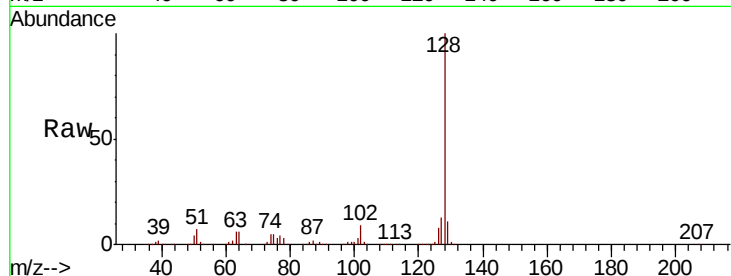
Tgt Ion:128 Resp: 1736438

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

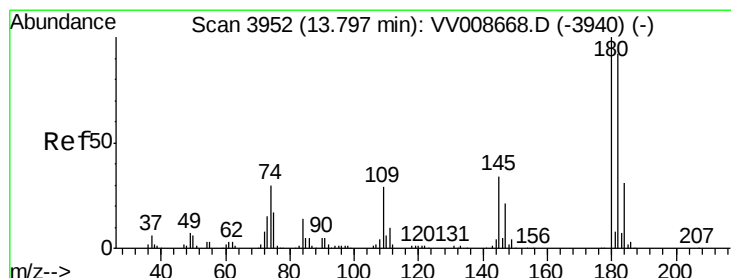
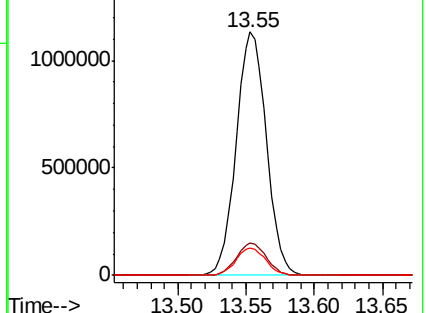
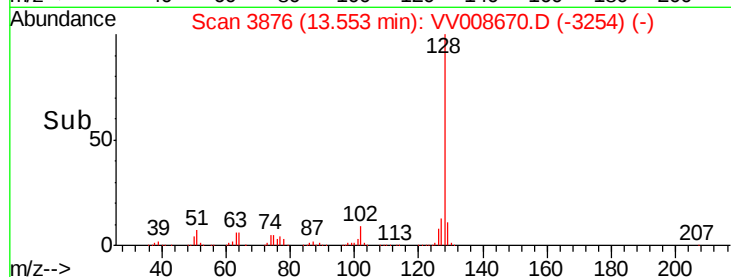
129 11.1 8.8 13.2



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: 233.585 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008670.D

Acq: 20 Nov 2018 12:56

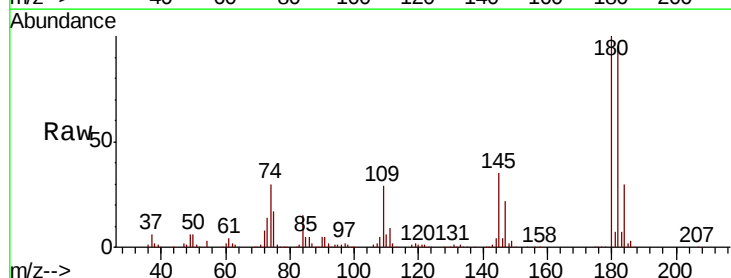
Tgt Ion:180 Resp: 559663

Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

145 34.7 27.3 40.9



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

