

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007562.D
 Acq On : 15 Sep 2018 10:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

Quant Time: Sep 17 01:41:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 02:08:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141773	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	123616	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61756	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28433	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.58	69	27793	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.13	63	69462	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.97	46	37305	36.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.24%
24) Chloroform-d	4.41	84	66461	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.09	65	31954	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.10	84	126238	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.12	67	37437	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.36	98	130188	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.67	79	15473	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.15	63	32092	51.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.94%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23804	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	51825	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	36266	4.726	ug/L 100
3) Chloromethane	1.25	50	29115	4.365	ug/L 97
5) Vinyl chloride	1.32	62	35469	4.763	ug/L 99
6) Bromomethane	1.54	94	26624	5.009	ug/L 97
8) Chloroethane	1.60	64	24256	5.344	ug/L 96
9) Trichlorofluoromethane	1.77	101	77068	5.247	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	43386	5.413	ug/L 99
12) 1,1-Dichloroethene	2.14	96	37720	5.242	ug/L 98
13) Acetone	2.21	43	24247	35.941	ug/L 96
14) Carbon disulfide	2.32	76	103884	4.935	ug/L 100
15) Methyl Acetate	2.47	43	8369	4.526	ug/L 94
16) Methylene chloride	2.54	84	37182	4.781	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	81709	4.720	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	39317	5.022	ug/L 97
19) 1,1-Dichloroethane	3.23	63	55661	4.877	ug/L 99
21) 2-Butanone	4.05	43	43090	38.075	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	36893	4.781	ug/L 92

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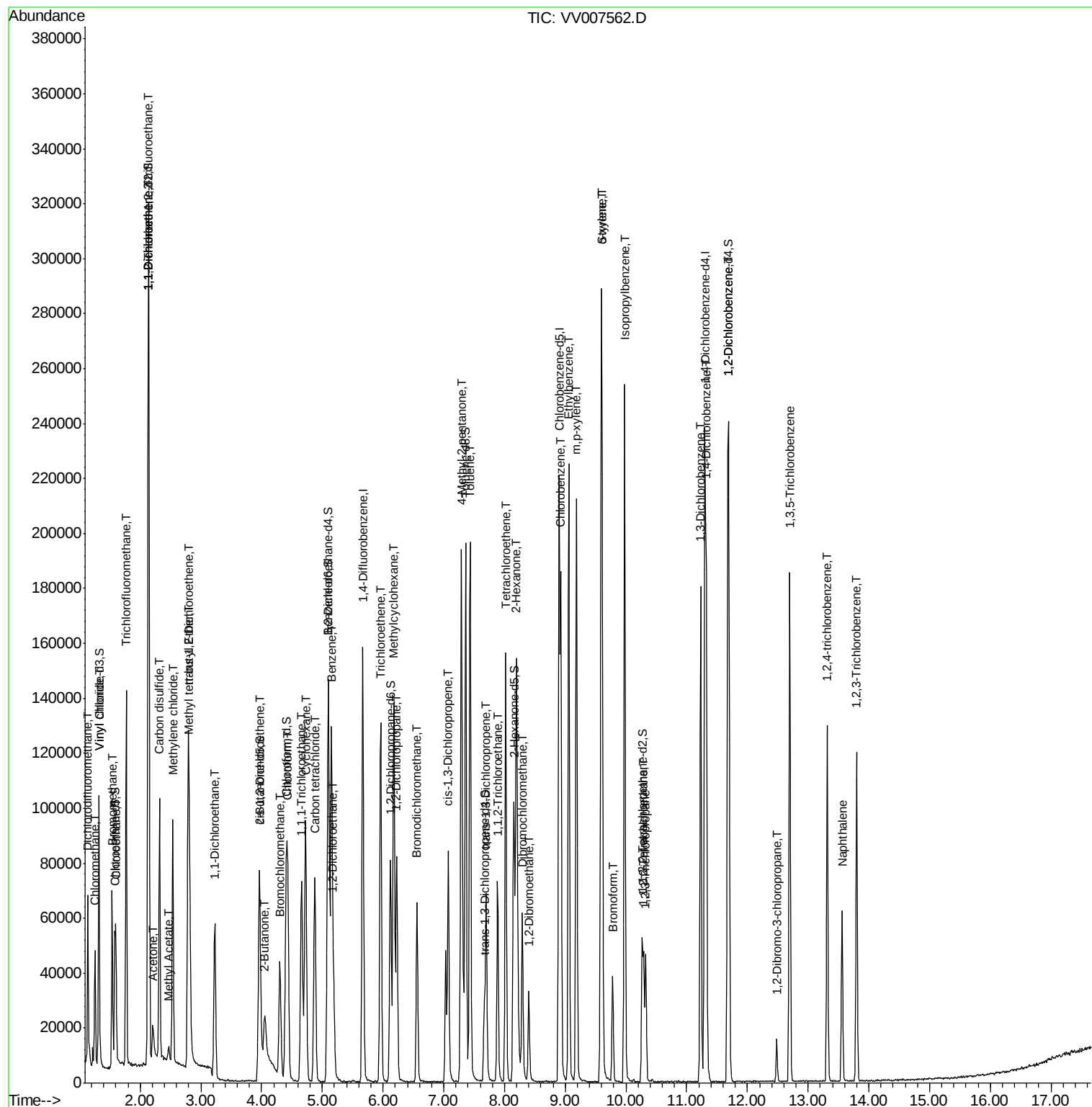
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16395	4.847	ug/L	98
25) Chloroform	4.43	83	61070	4.682	ug/L	99
27) 1,2-Dichloroethane	5.19	62	33876	4.511	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	58437	4.861	ug/L	98
30) Cyclohexane	4.73	56	51231	4.887	ug/L	99
31) Carbon tetrachloride	4.88	117	55107	4.885	ug/L	100
33) Benzene	5.15	78	126560	4.958	ug/L	100
34) Trichloroethene	5.96	95	41822	5.342	ug/L	98
35) Methylcyclohexane	6.18	83	61754	5.108	ug/L	99
37) 1,2-Dichloropropane	6.23	63	29062	4.620	ug/L	100
38) Bromodichloromethane	6.56	83	41688	4.570	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	47957	4.795	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	161257	46.432	ug/L	99
42) Toluene	7.43	91	144305	4.893	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	37591	4.569	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	22809	4.856	ug/L	98
47) Tetrachloroethene	8.02	164	36161	5.144	ug/L	98
48) 2-Hexanone	8.20	43	113086	42.890	ug/L	95
49) Dibromochloromethane	8.30	129	31320	4.685	ug/L	99
50) 1,2-Dibromoethane	8.40	107	21687	4.755	ug/L	99
51) Chlorobenzene	8.93	112	96593	4.870	ug/L	99
52) Ethylbenzene	9.06	91	158746	4.779	ug/L	99
53) m,p-xylene	9.19	106	62262	4.838	ug/L	98
54) o-xylene	9.59	106	60143	4.772	ug/L	99
55) Styrene	9.61	104	96996	4.725	ug/L	99
56) Isopropylbenzene	9.98	105	164192	4.798	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	19943	4.334	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	17357	4.513	ug/L	96
61) Bromoform	9.78	173	17164	4.682	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	77701	4.980	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	76541	4.906	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	74035	5.098	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3353	4.488	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.70	180	61782	5.074	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	42429	4.839	ug/L	98
69) Naphthalene	13.56	128	52075	4.906	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	38451	4.809	ug/L	98

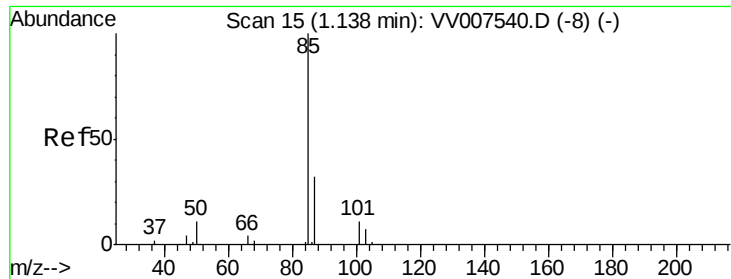
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.726 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

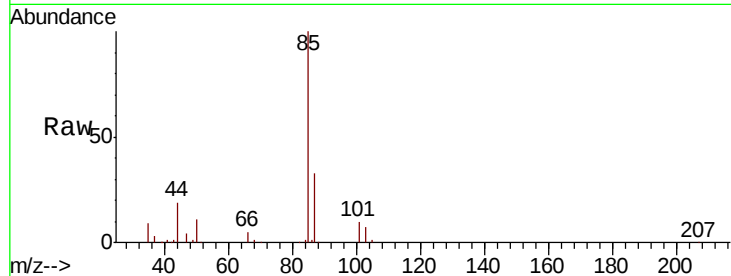
VSTD00563

Tgt Ion: 85 Resp: 36266

Ion Ratio Lower Upper

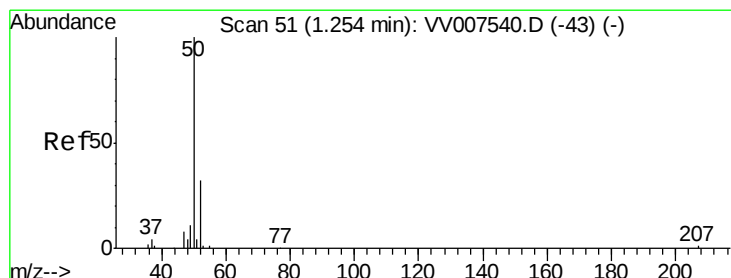
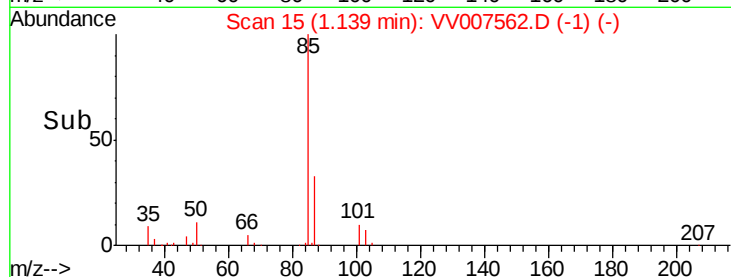
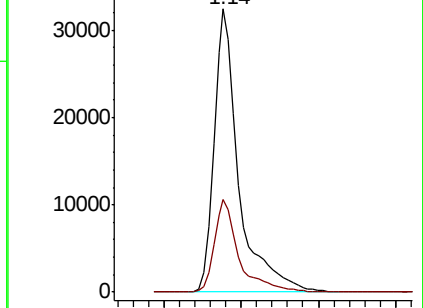
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007540.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007540.D (-8) (-)



#3

Chloromethane

Concen: 4.365 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007562.D

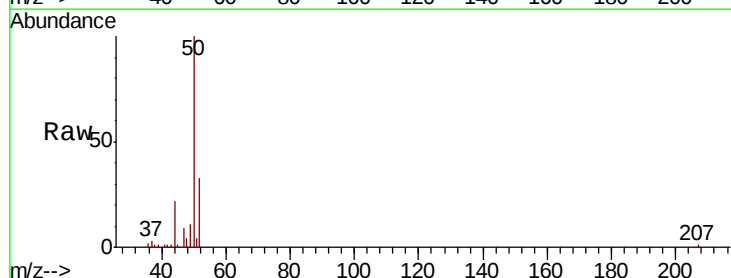
Acq: 15 Sep 2018 10:47

Tgt Ion: 50 Resp: 29115

Ion Ratio Lower Upper

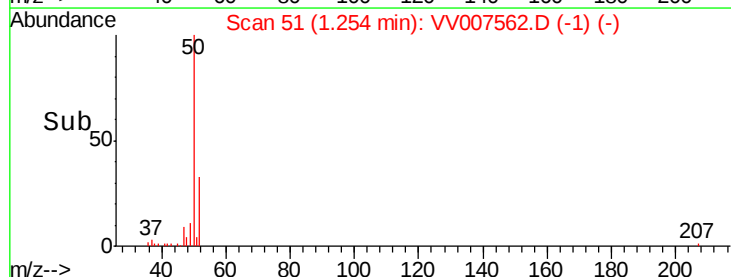
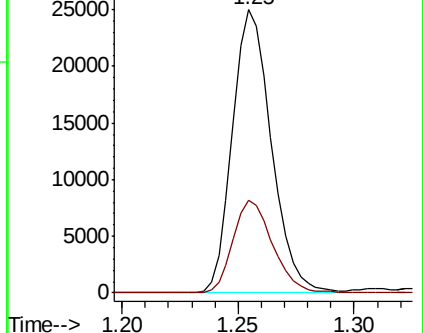
50 100

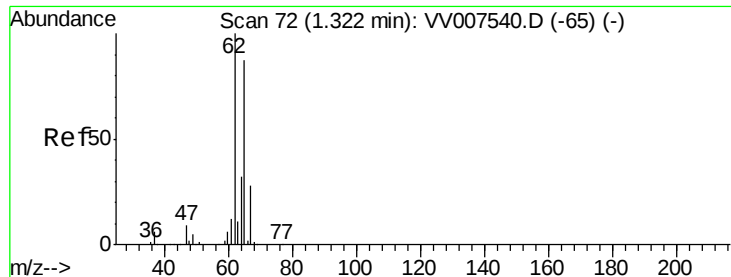
52 32.8 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007540.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007540.D (-43) (-)





#5

Vinyl chloride

Concen: 4.763 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

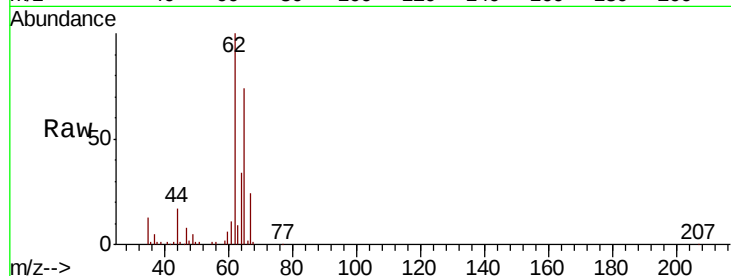
VSTD00563

Tgt Ion: 62 Resp: 35469

Ion Ratio Lower Upper

62 100

64 34.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007540.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007540.D (-65) (-)

1.32

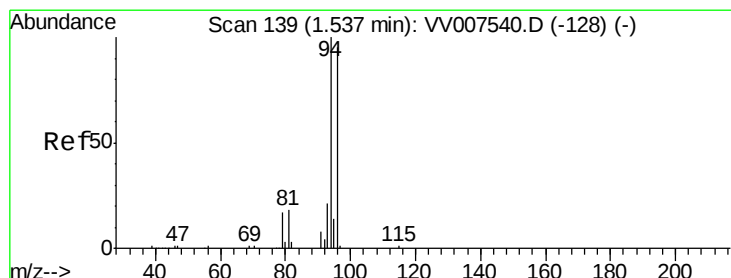
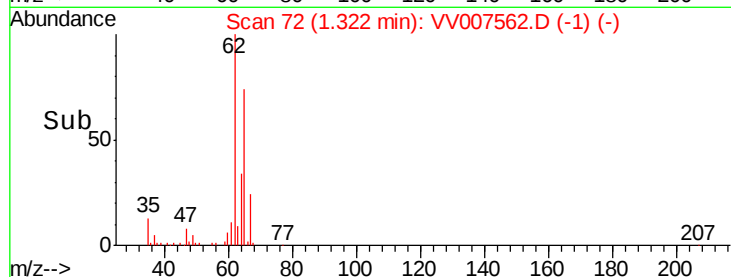
30000

20000

10000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.009 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007562.D

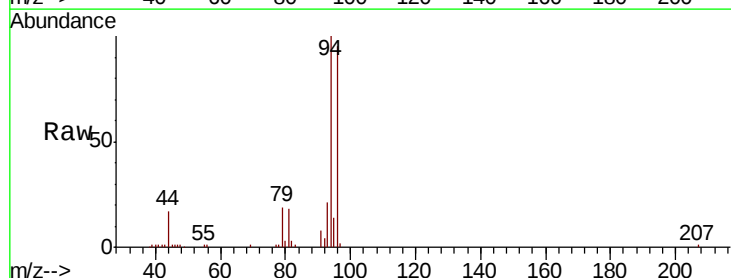
Acq: 15 Sep 2018 10:47

Tgt Ion: 94 Resp: 26624

Ion Ratio Lower Upper

94 100

96 95.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007540.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV007540.D (-128) (-)

1.54

25000

20000

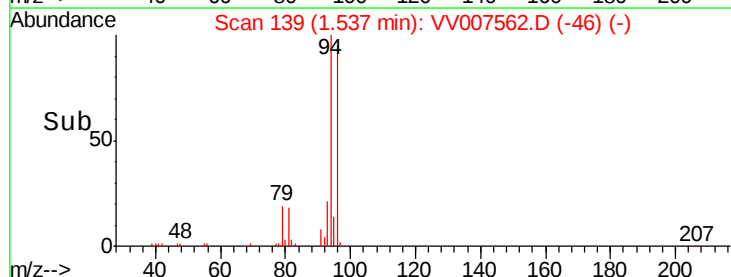
15000

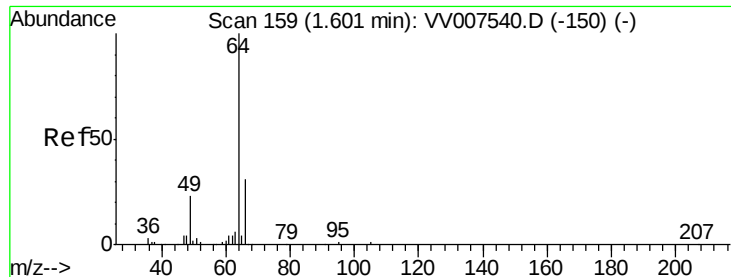
10000

5000

0

Time--> 1.50 1.55 1.60

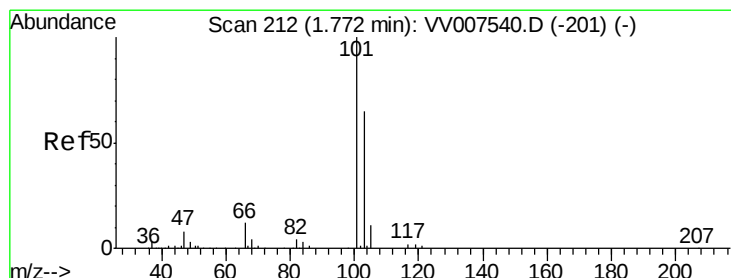
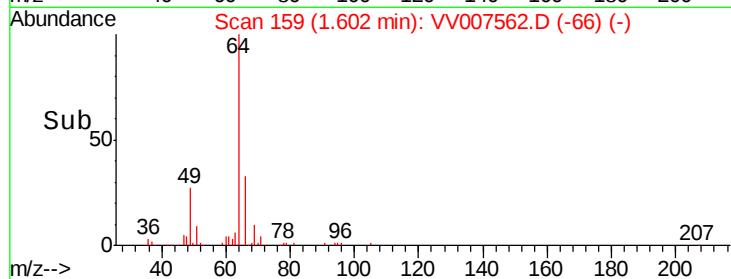
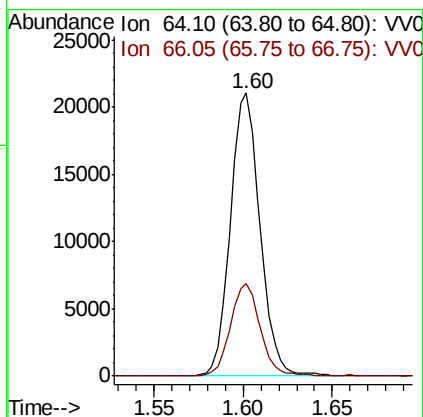
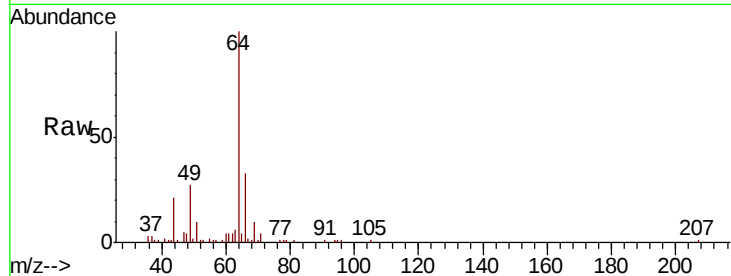




#8
Chloroethane
Concen: 5.344 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

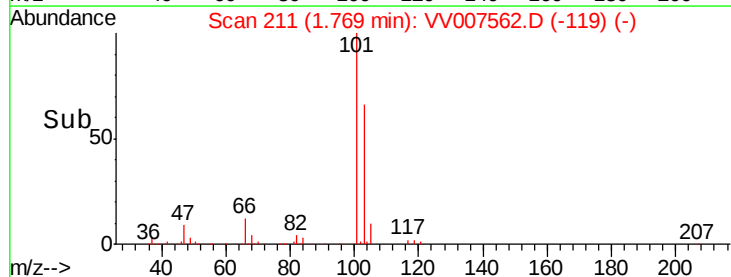
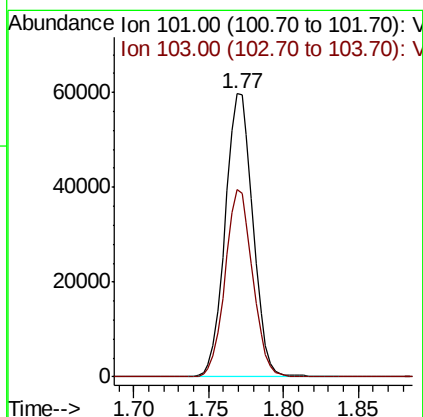
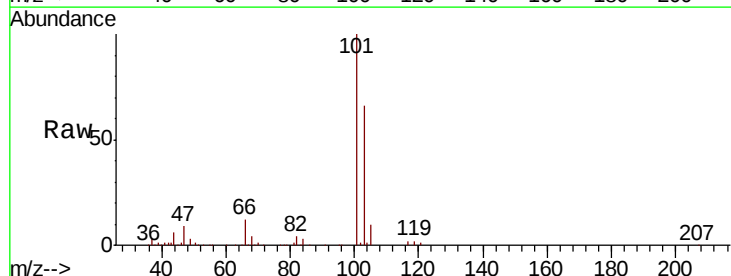
Instrument :
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VSTD00563

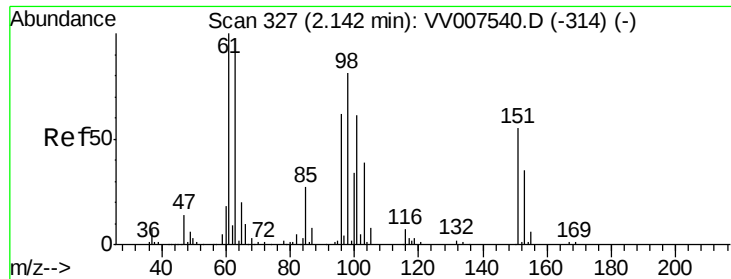
Tgt Ion: 64 Resp: 24256
Ion Ratio Lower Upper
64 100
66 32.5 24.3 45.1



#9
Trichlorofluoromethane
Concen: 5.247 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion: 101 Resp: 77068
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8





#10

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

Concen: 5.413 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

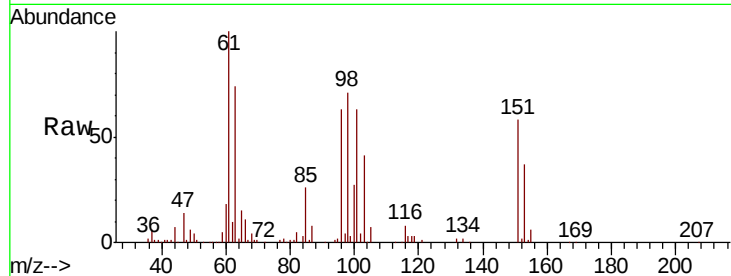
Tgt Ion:101 Resp: 43386

Ion Ratio Lower Upper

101 100

85 42.0 34.8 52.2

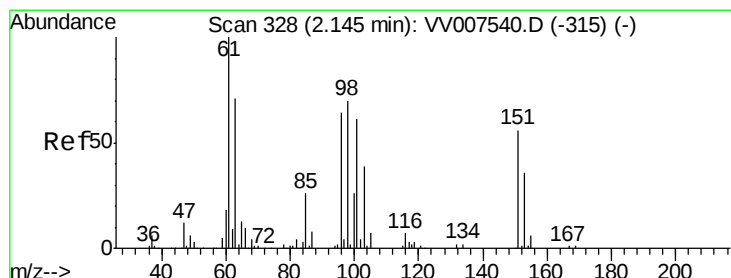
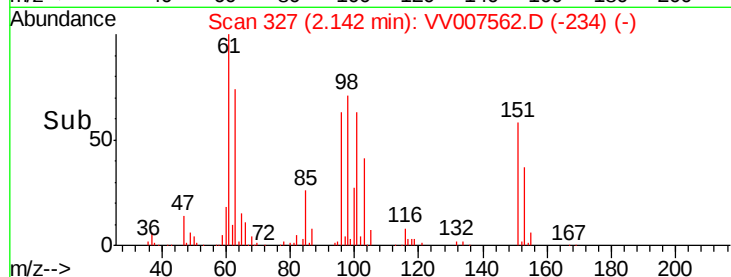
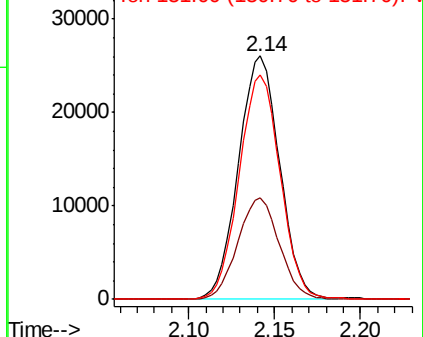
151 91.8 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): VV007540.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007540.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007540.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 5.242 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

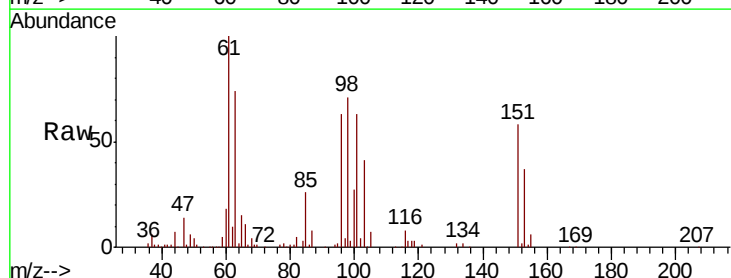
Tgt Ion: 96 Resp: 37720

Ion Ratio Lower Upper

96 100

61 159.5 114.8 213.2

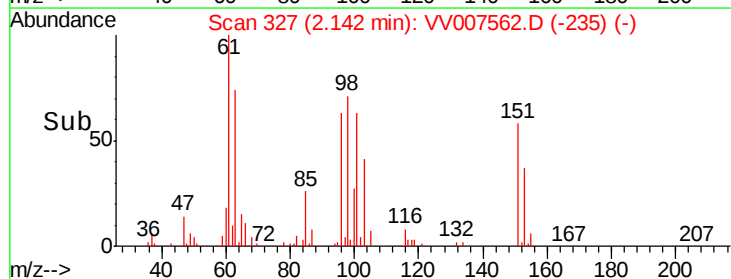
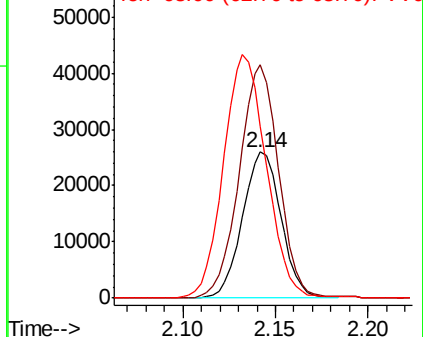
63 117.9 81.8 151.8

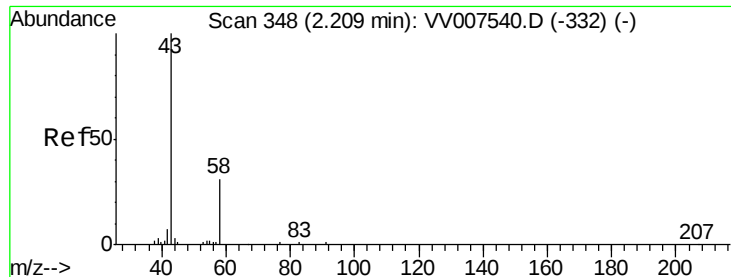


Abundance Ion 96.00 (95.70 to 96.70): VV007540.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV007540.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV007540.D (-315) (-)





#13

Acetone

Concen: 35.941 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

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ClientSampleId :

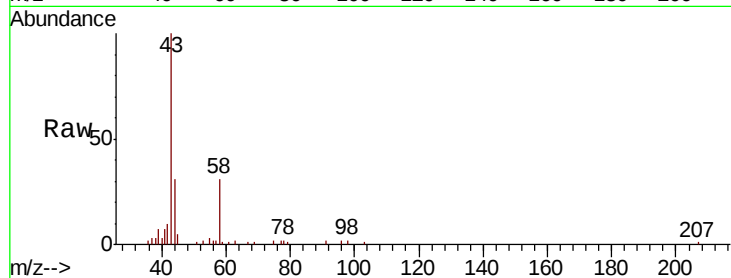
VSTD00563

Tgt Ion: 43 Resp: 24247

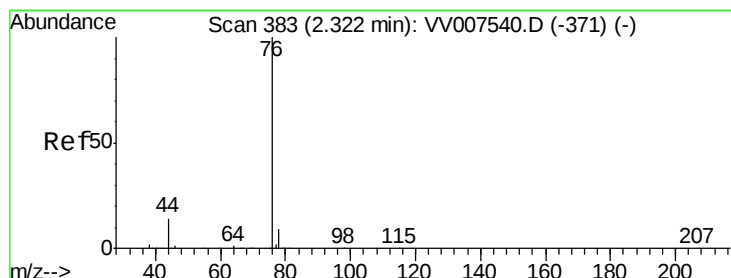
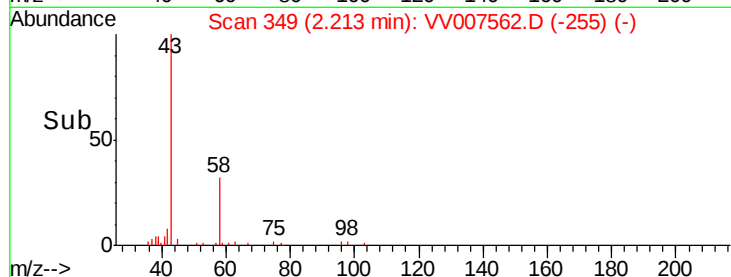
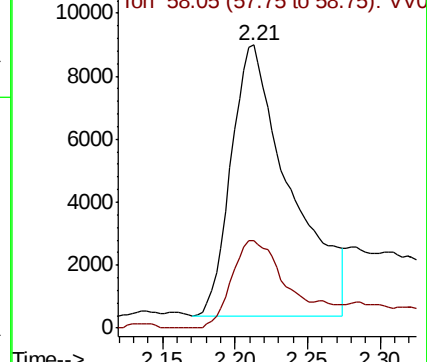
Ion Ratio Lower Upper

43 100

58 29.3 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007540.D (-332) (-)



#14

Carbon disulfide

Concen: 4.935 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007562.D

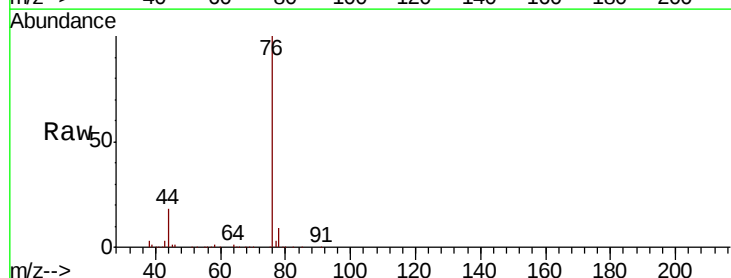
Acq: 15 Sep 2018 10:47

Tgt Ion: 76 Resp: 103884

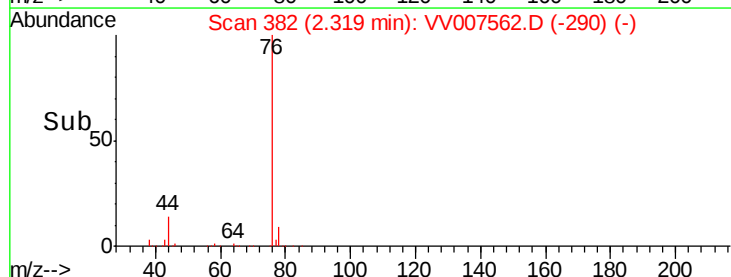
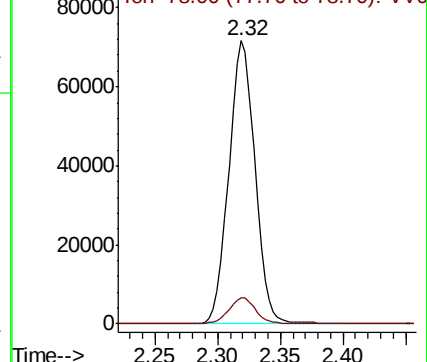
Ion Ratio Lower Upper

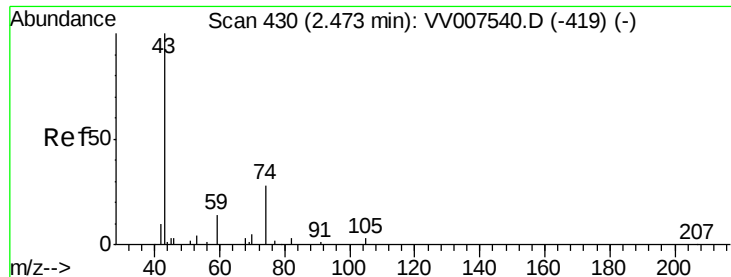
76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007540.D (-371) (-)

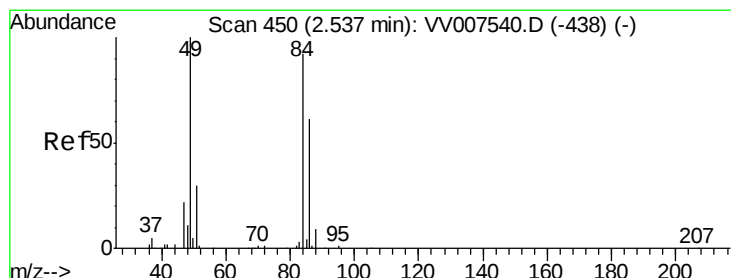
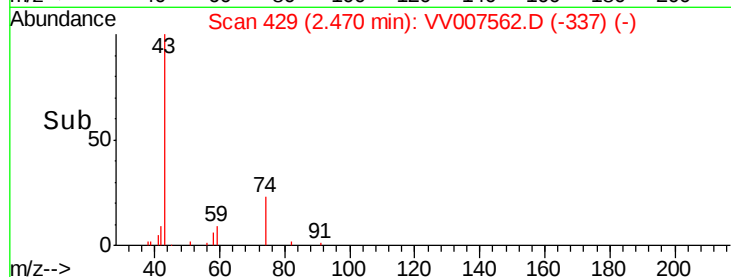
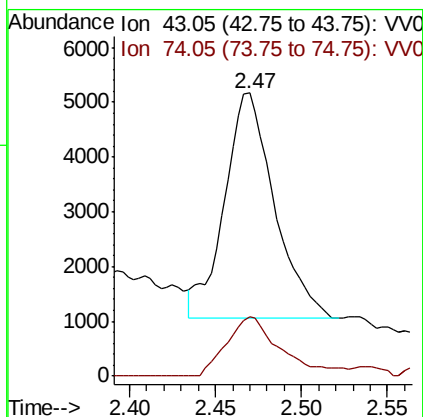
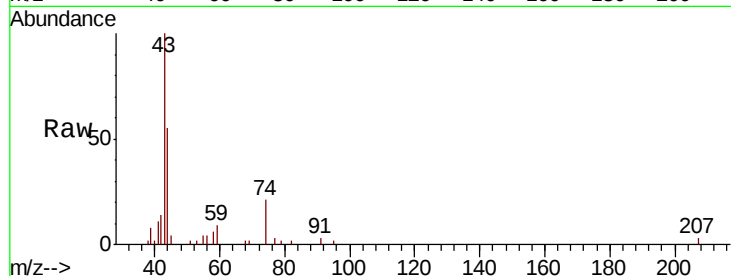




#15
Methyl Acetate
Concen: 4.526 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

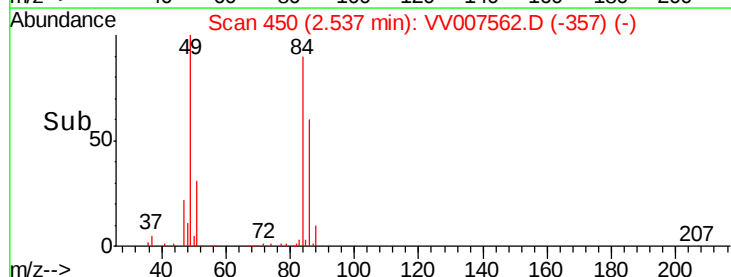
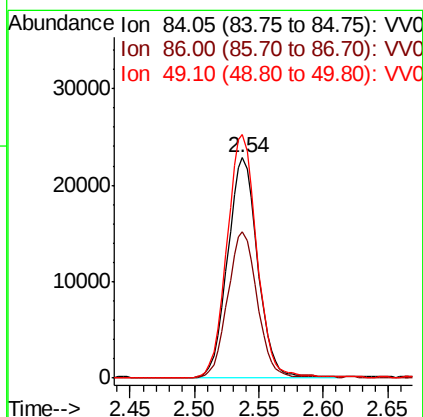
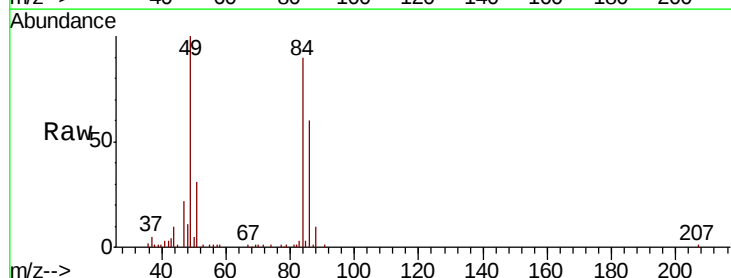
Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

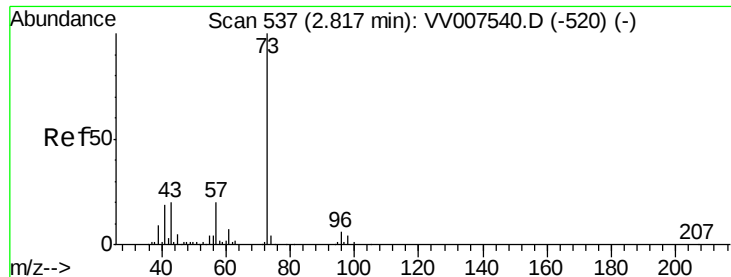
Tgt Ion: 43 Resp: 8369
Ion Ratio Lower Upper
43 100
74 28.7 25.4 38.2



#16
Methylene chloride
Concen: 4.781 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion: 84 Resp: 37182
Ion Ratio Lower Upper
84 100
86 66.6 43.7 81.1
49 110.7 76.8 142.6





#17

Methyl tert-butyl Ether

Concen: 4.720 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

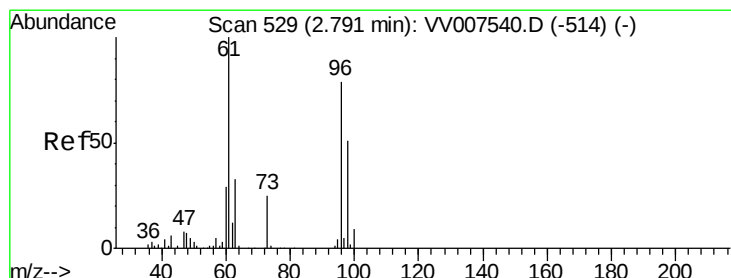
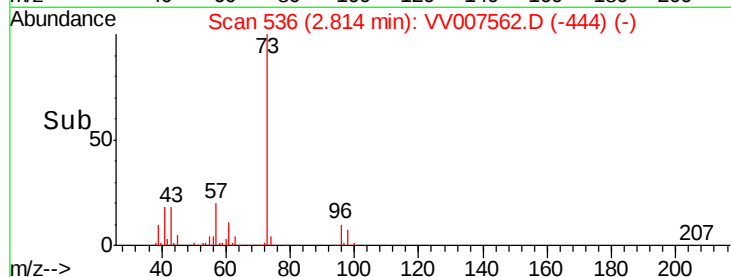
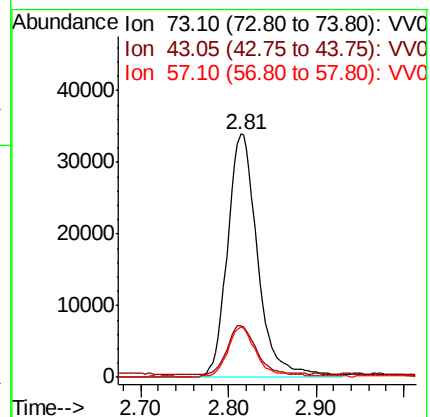
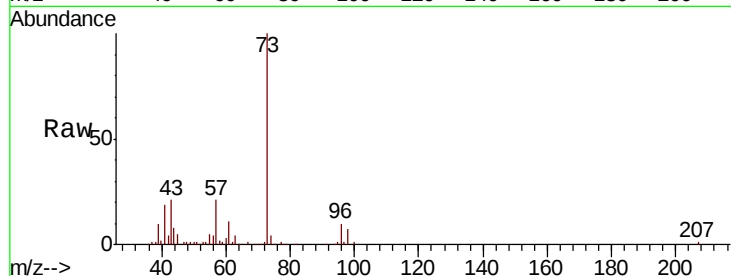
Tgt Ion: 73 Resp: 81709

Ion Ratio Lower Upper

73 100

43 18.9 15.8 23.6

57 20.0 15.8 23.6



#18

trans-1,2-Dichloroethene

Concen: 5.022 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

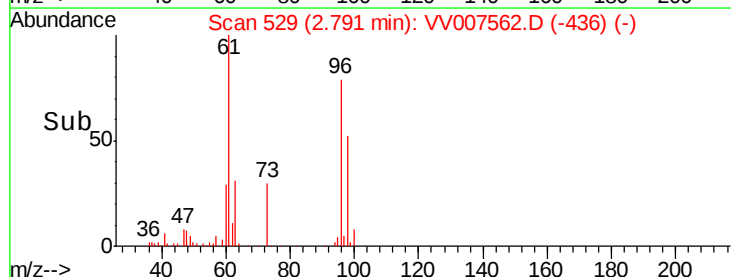
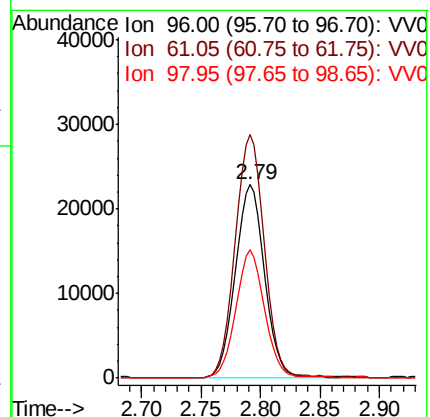
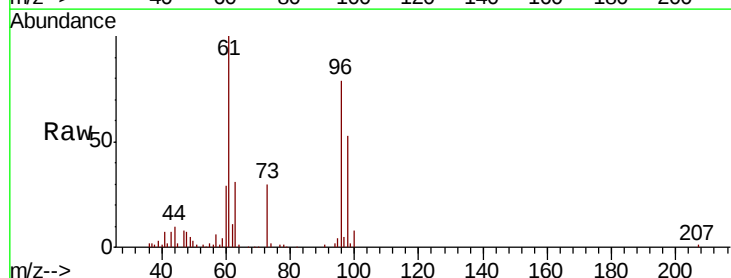
Tgt Ion: 96 Resp: 39317

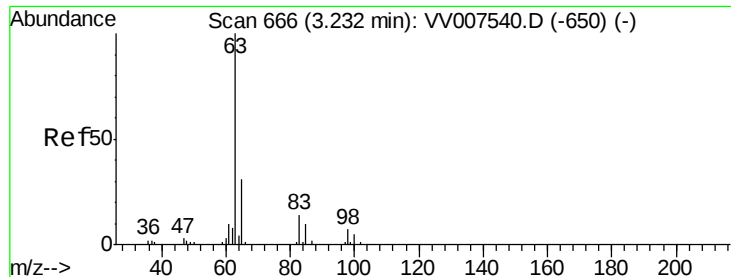
Ion Ratio Lower Upper

96 100

61 126.1 86.8 161.2

98 66.3 44.4 82.4

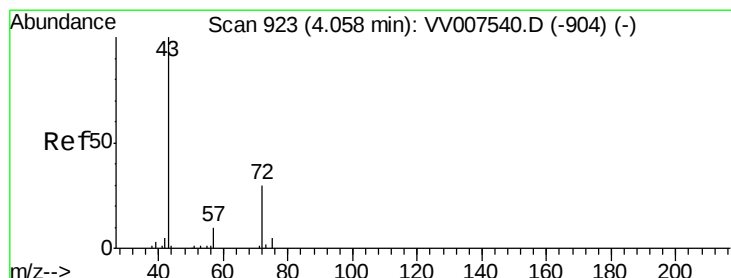
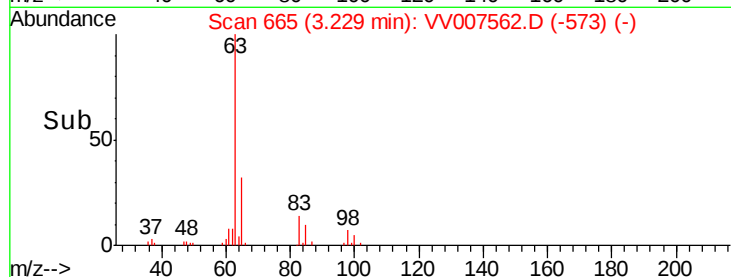
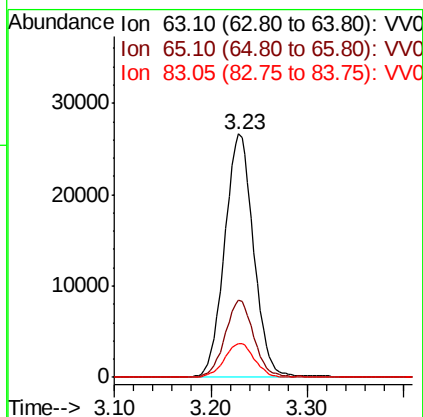
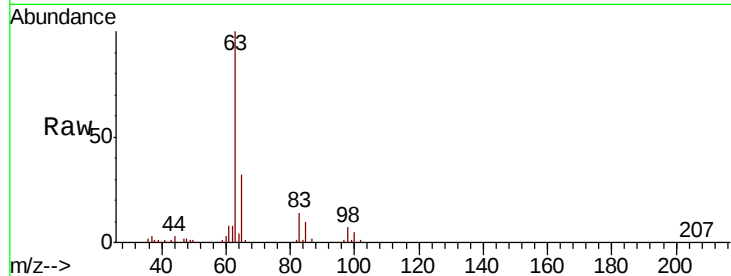




#19
 1,1-Dichloroethane
 Concen: 4.877 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

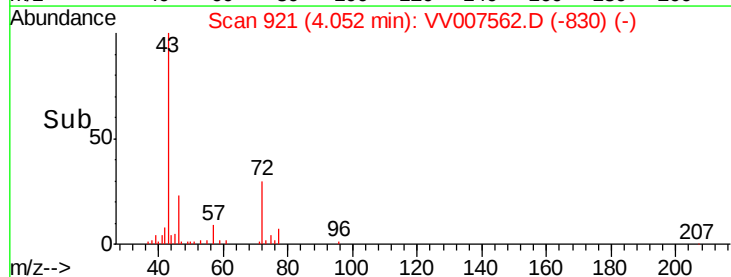
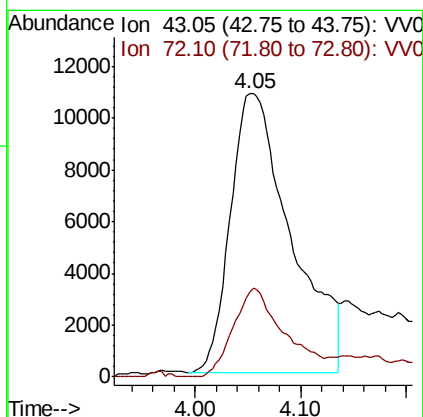
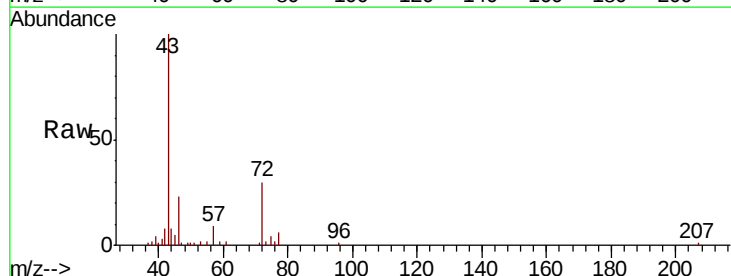
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

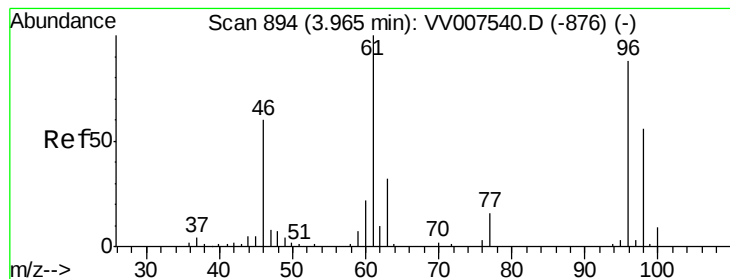
Tgt Ion: 63 Resp: 55661
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.5 41.9
 83 14.0 10.4 19.2



#21
 2-Butanone
 Concen: 38.075 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion: 43 Resp: 43090
 Ion Ratio Lower Upper
 43 100
 72 27.0 14.2 42.6



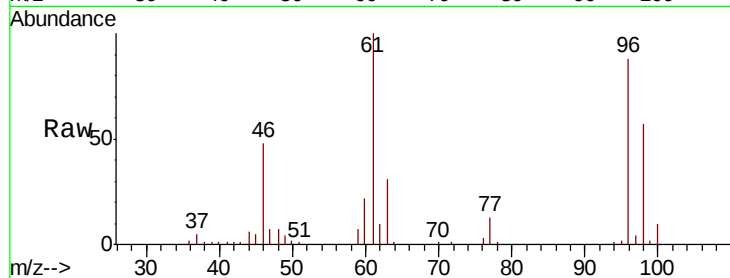


#22

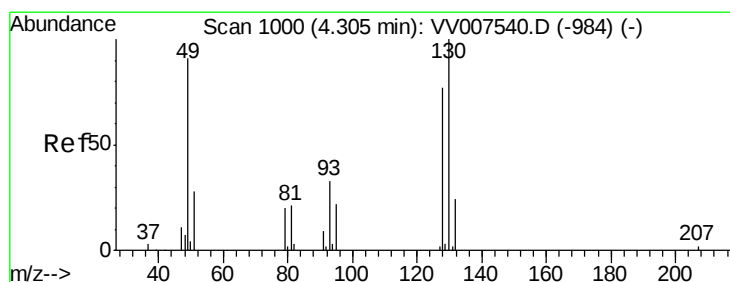
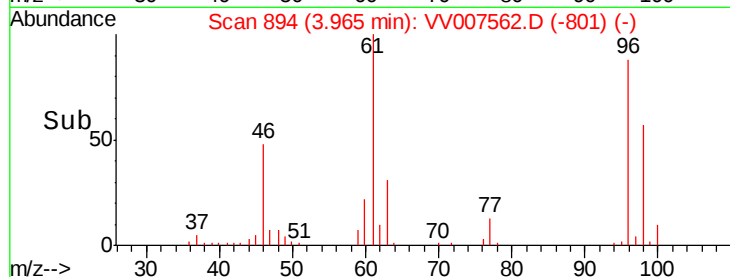
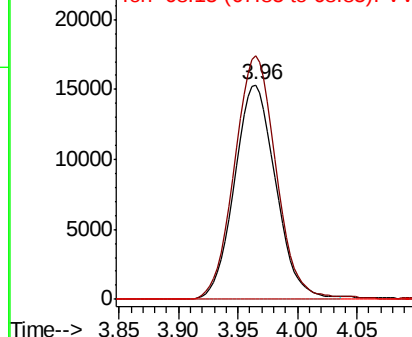
cis-1,2-Dichloroethene
Concen: 4.781 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

Tgt Ion: 96 Resp: 36893
Ion Ratio Lower Upper
96 100
61 113.4 85.3 158.5
68 0.0 0.0 0.0



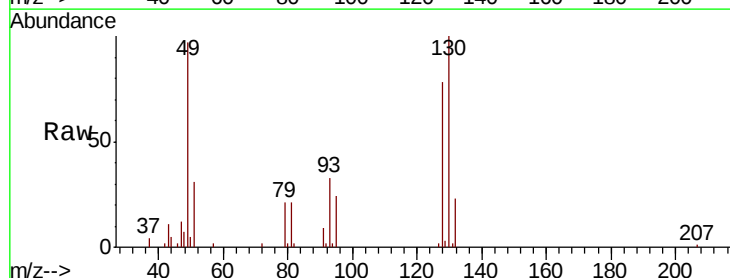
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



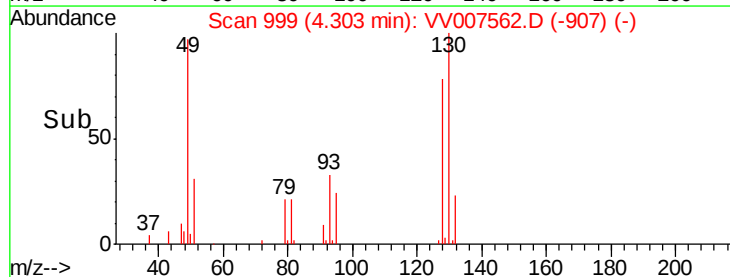
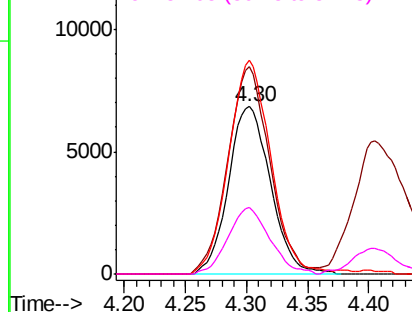
#23

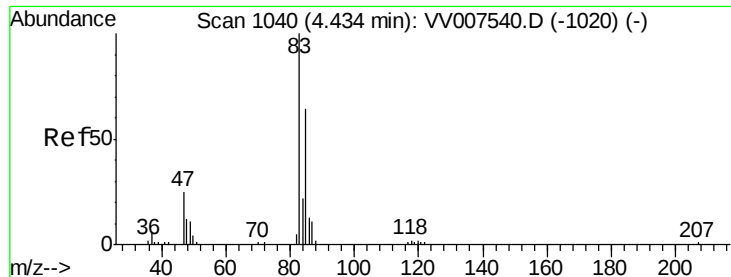
Bromochloromethane
Concen: 4.847 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion: 128 Resp: 16395
Ion Ratio Lower Upper
128 100
49 124.1 89.0 165.2
130 127.8 88.8 165.0
51 39.7 32.2 48.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

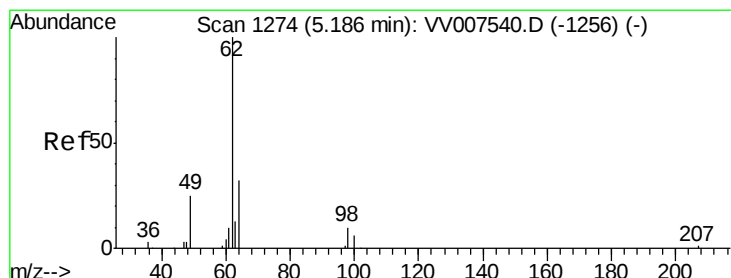
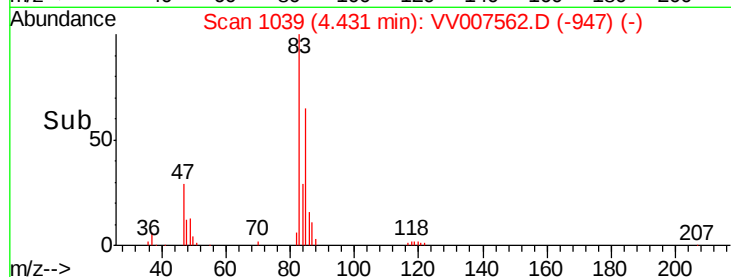
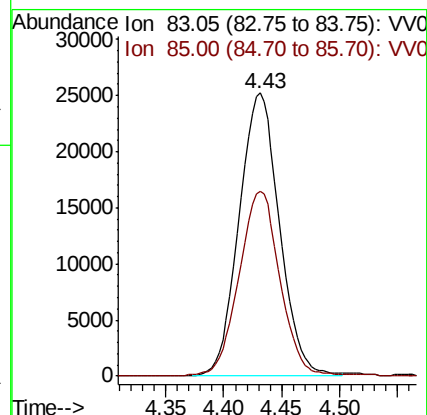
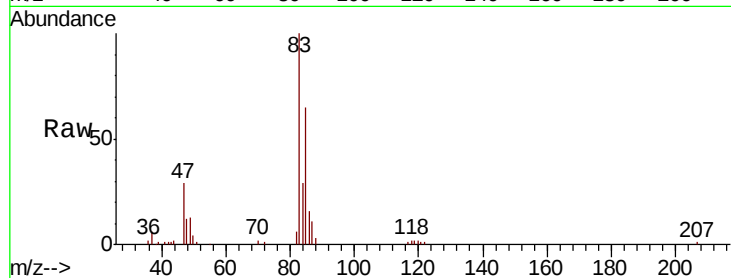




#25
Chloroform
Concen: 4.682 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

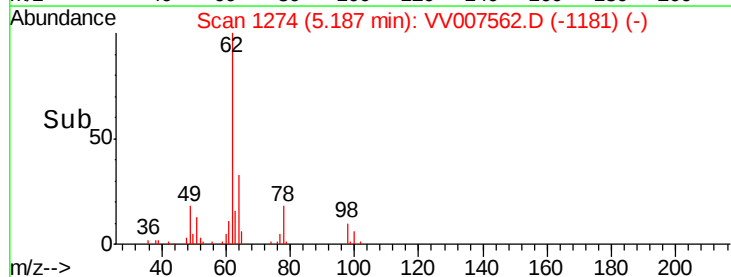
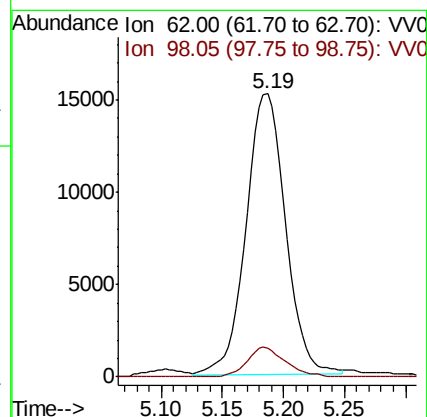
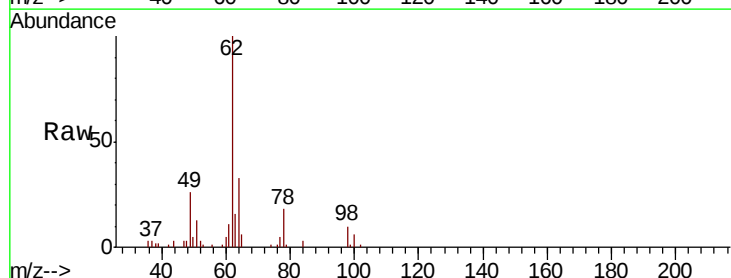
Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

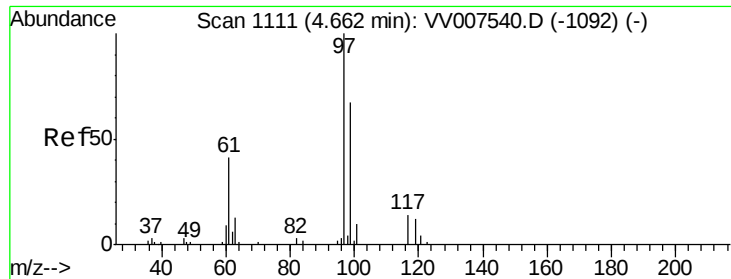
Tgt Ion: 83 Resp: 61070
Ion Ratio Lower Upper
83 100
85 65.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.511 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion: 62 Resp: 33876
Ion Ratio Lower Upper
62 100
98 10.3 7.6 11.4

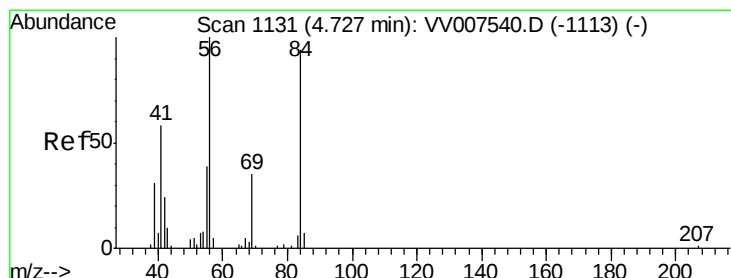
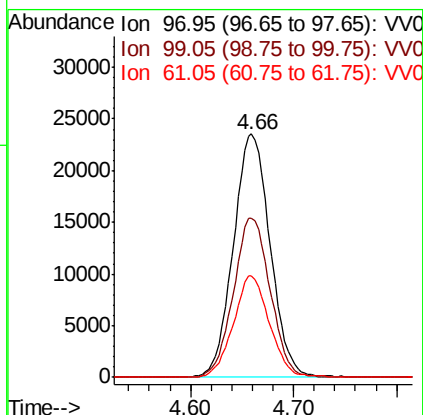
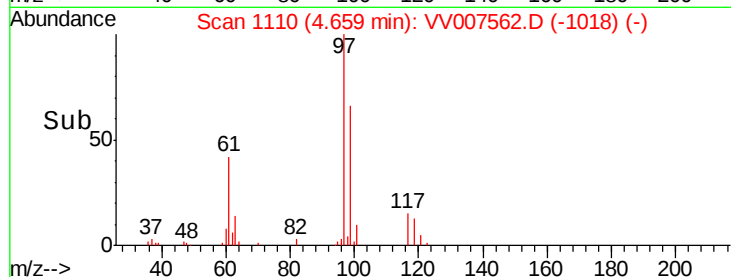
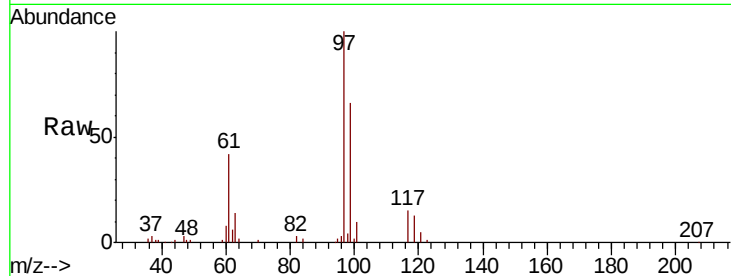




#29
 1,1,1-Trichloroethane
 Concen: 4.861 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

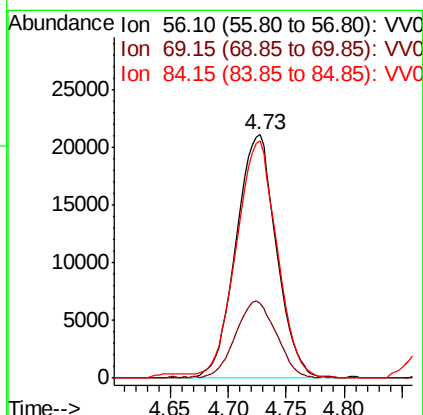
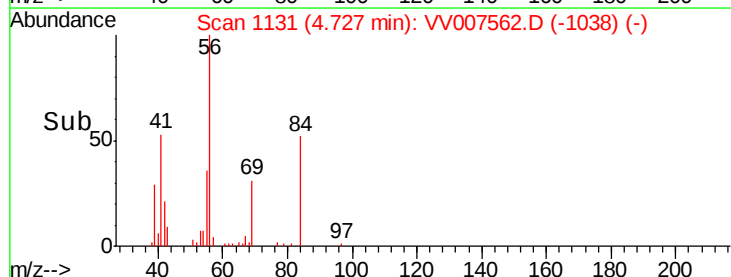
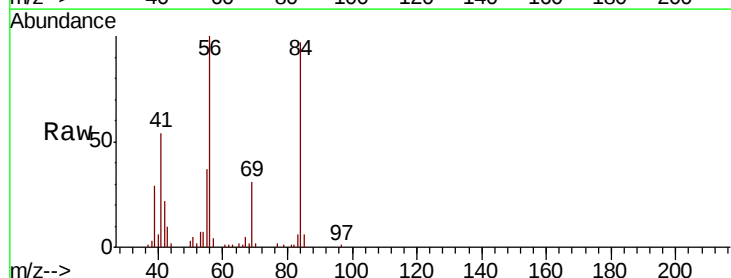
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

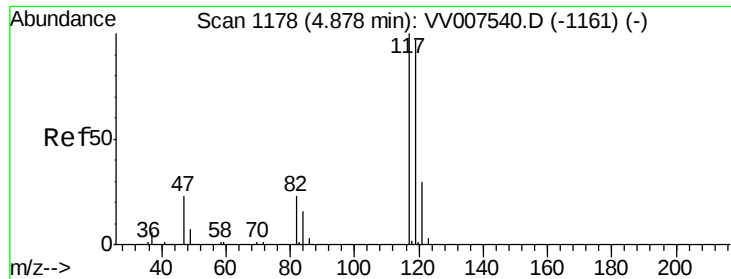
Tgt Ion: 97 Resp: 58437
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.7 76.1
 61 41.0 32.5 48.7



#30
 Cyclohexane
 Concen: 4.887 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion: 56 Resp: 51231
 Ion Ratio Lower Upper
 56 100
 69 32.1 26.1 39.1
 84 98.5 78.0 117.0

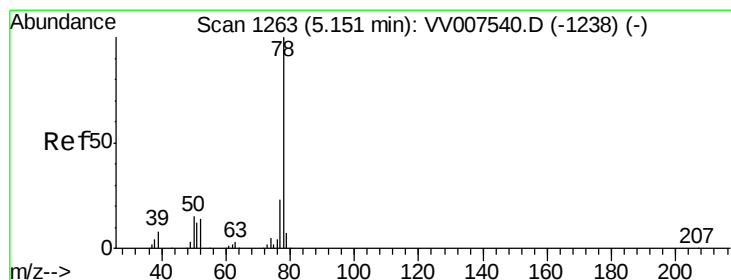
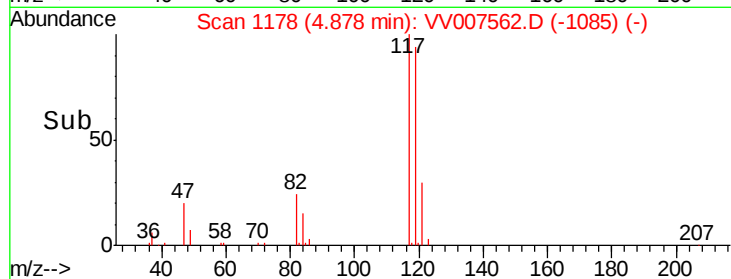
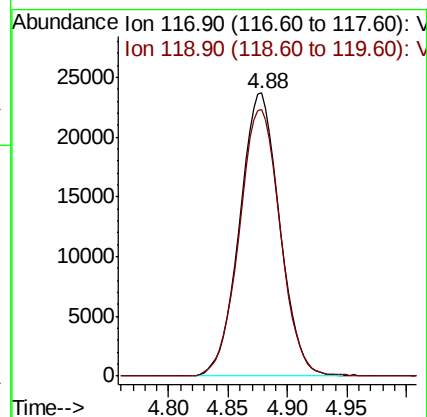
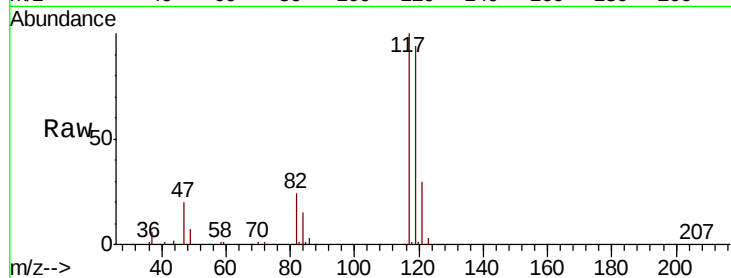




#31
Carbon tetrachloride
Concen: 4.885 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

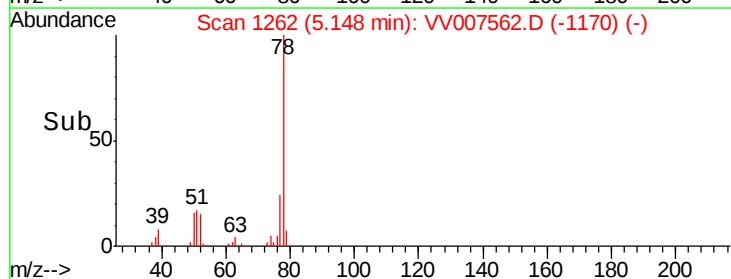
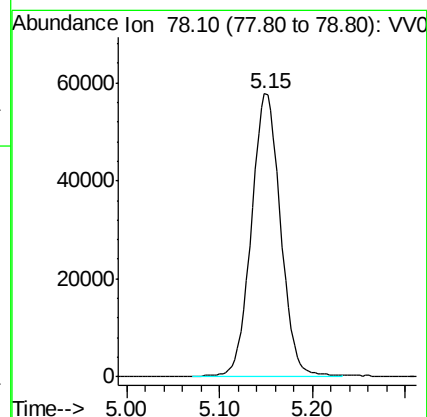
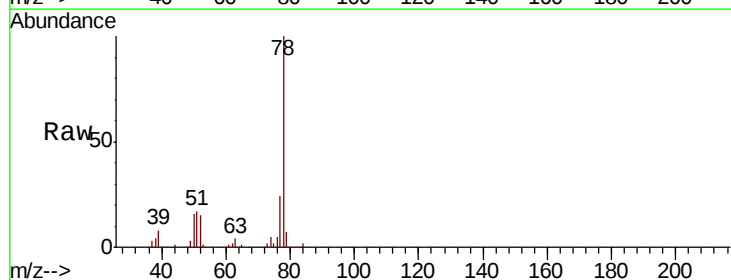
Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

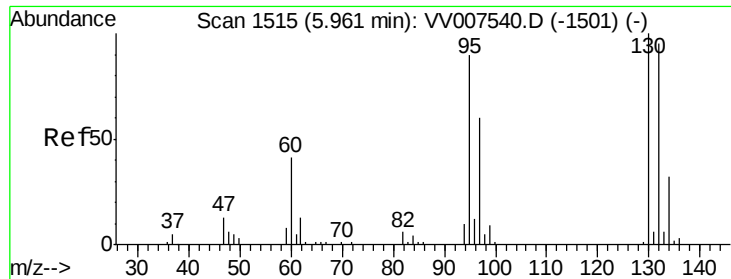
Tgt Ion:117 Resp: 55107
Ion Ratio Lower Upper
117 100
119 96.8 77.5 116.3



#33
Benzene
Concen: 4.958 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion: 78 Resp: 126560





#34

Trichloroethene

Concen: 5.342 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 41822

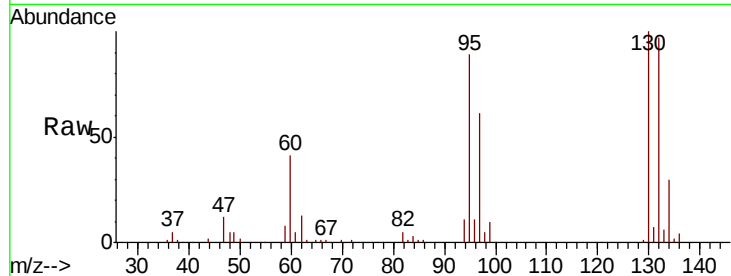
Ion Ratio Lower Upper

95 100

97 68.0 45.5 84.5

132 108.8 74.9 139.1

130 112.2 80.0 148.6

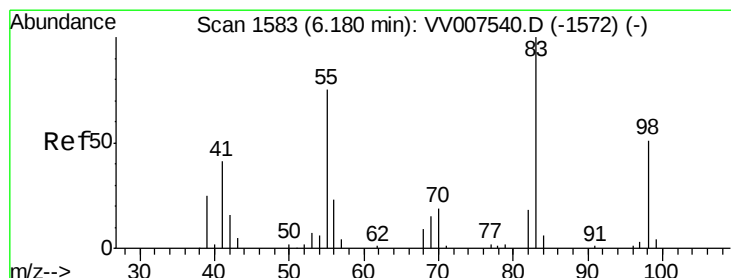
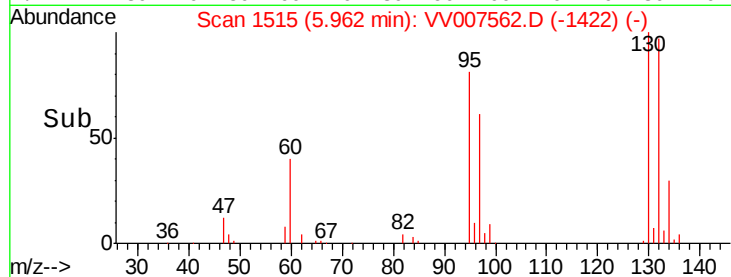
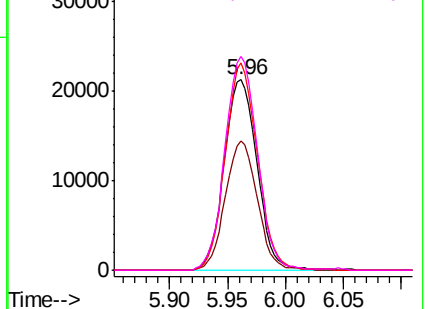


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.108 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

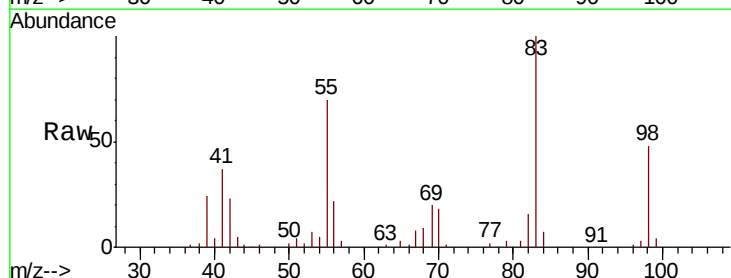
Tgt Ion: 83 Resp: 61754

Ion Ratio Lower Upper

83 100

55 68.4 55.0 82.4

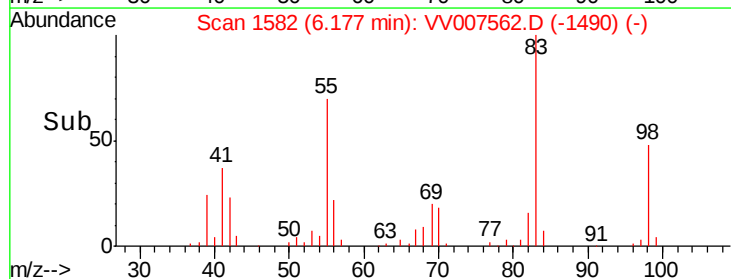
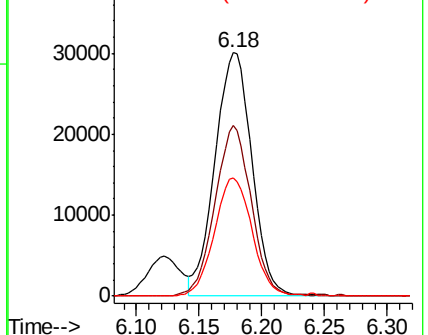
98 49.1 37.6 56.4

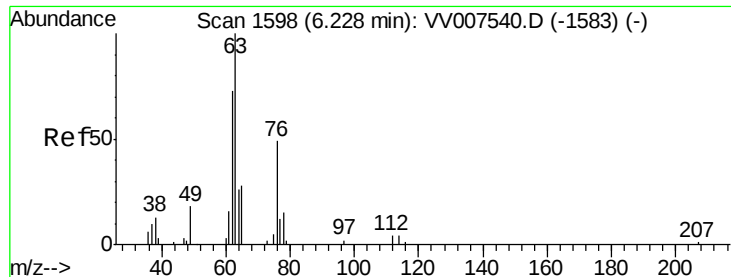


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.620 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

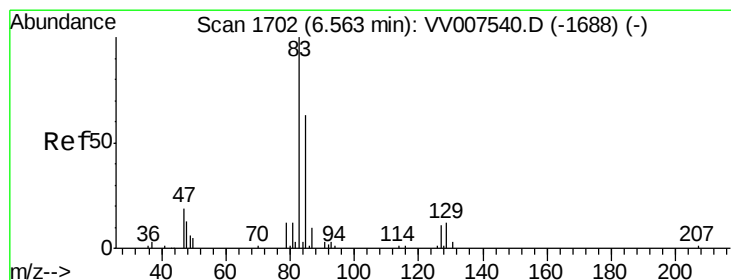
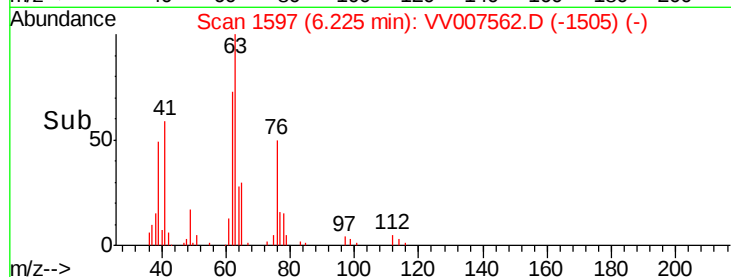
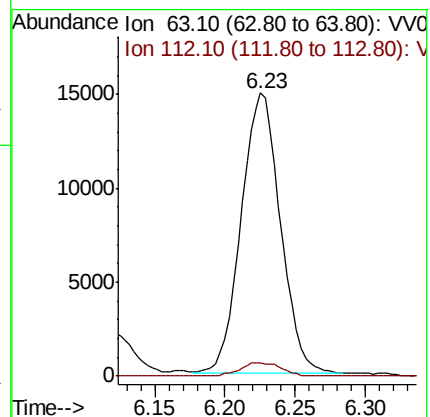
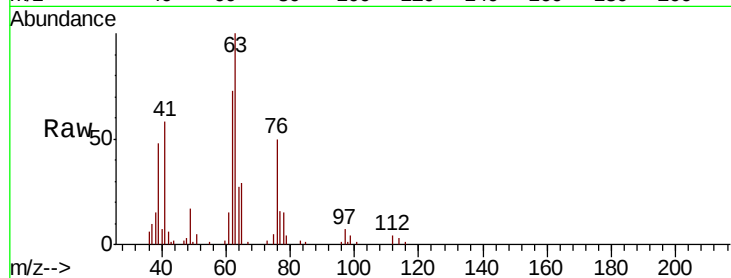
VSTD00563

Tgt Ion: 63 Resp: 29062

Ion Ratio Lower Upper

63 100

112 5.0 4.1 6.1



#38

Bromodichloromethane

Concen: 4.570 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

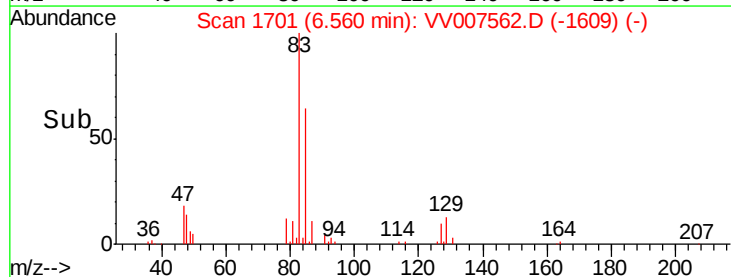
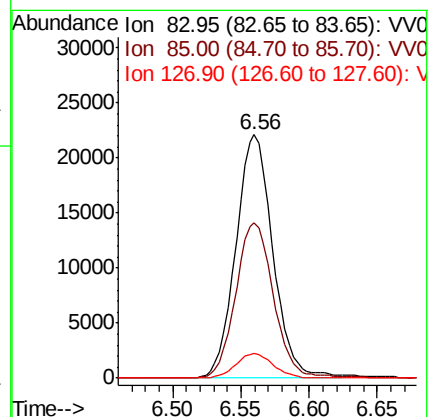
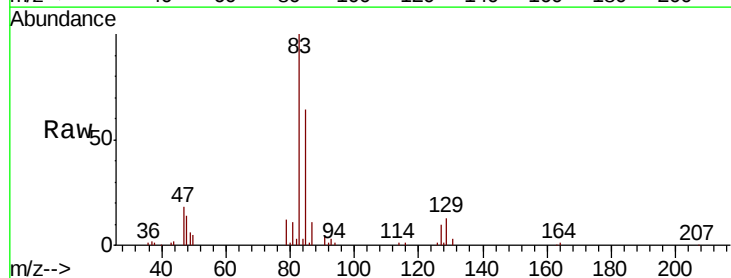
Tgt Ion: 83 Resp: 41688

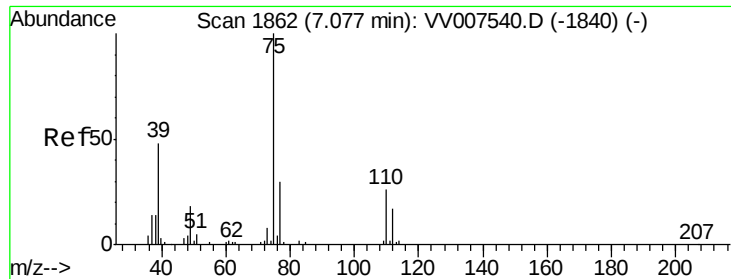
Ion Ratio Lower Upper

83 100

85 63.7 46.4 86.2

127 10.1 8.4 12.6

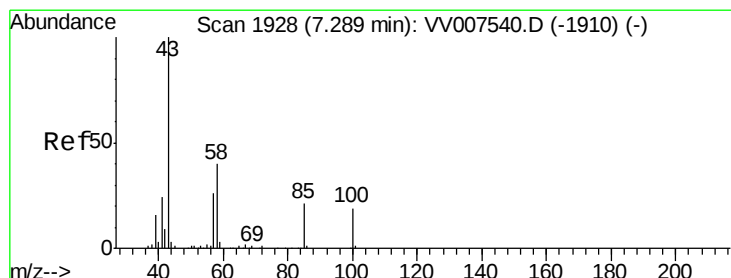
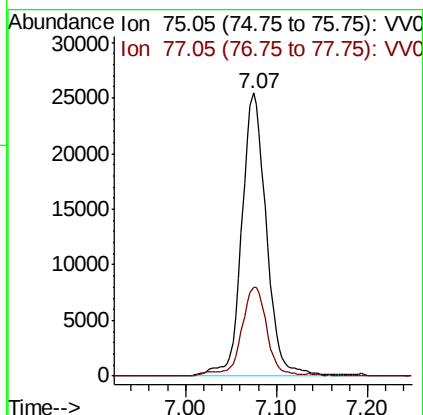
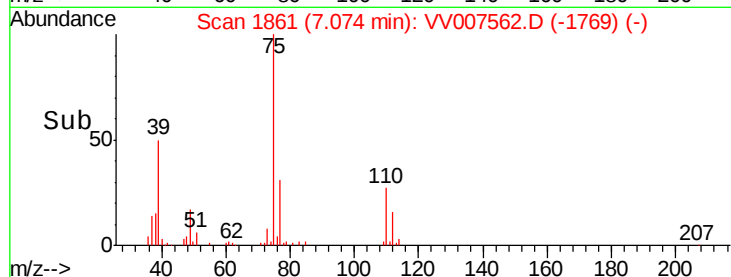
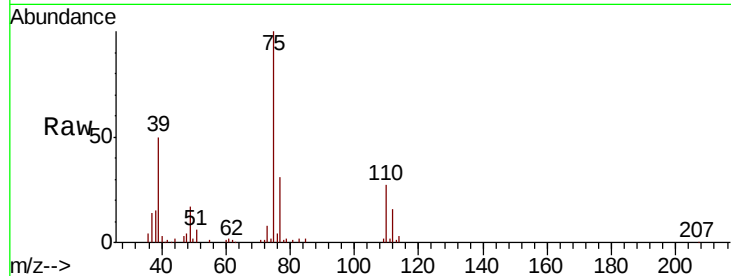




#39
 cis-1,3-Dichloropropene
 Concen: 4.795 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

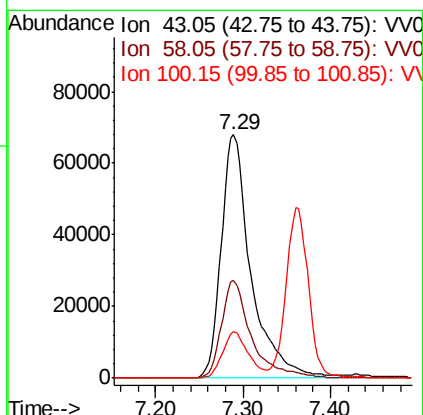
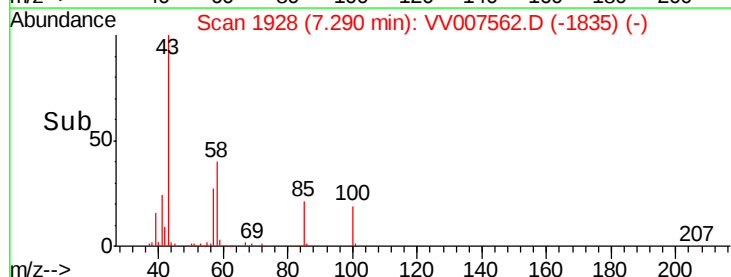
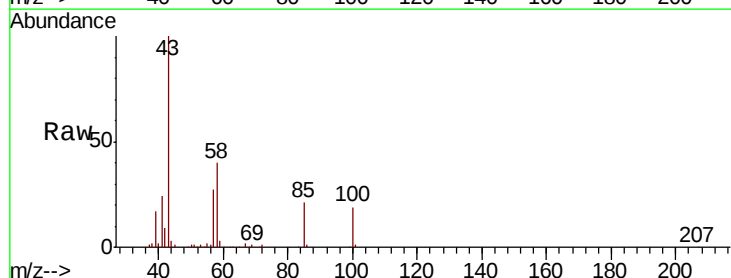
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

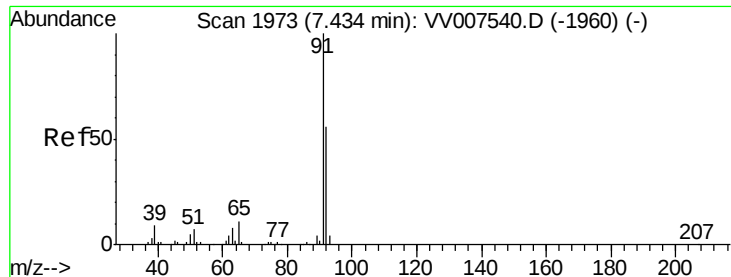
Tgt Ion: 75 Resp: 47957
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 46.432 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion: 43 Resp: 161257
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.6 49.0
 100 16.7 13.5 20.3





#42

Toluene

Concen: 4.893 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

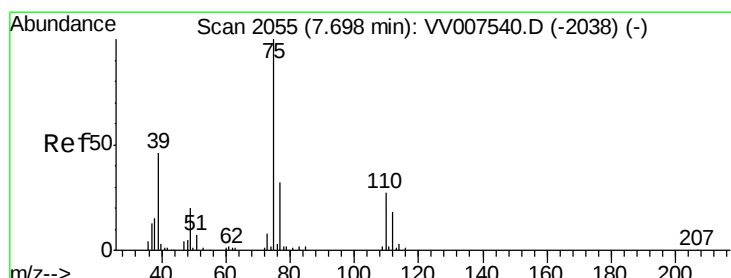
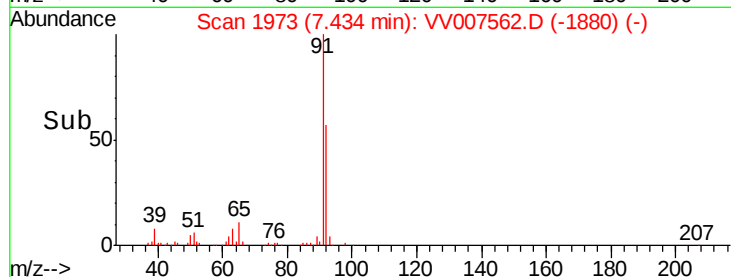
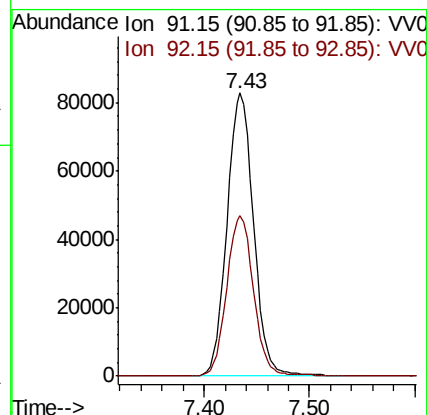
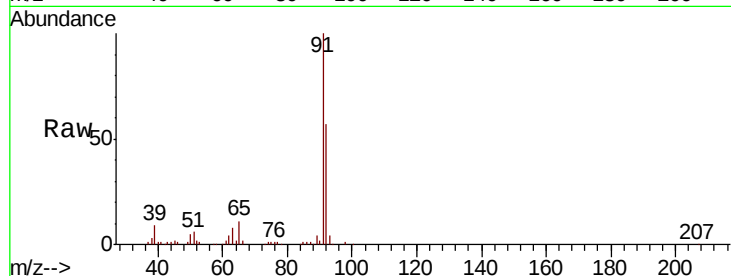
VSTD00563

Tgt Ion: 91 Resp: 144305

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.569 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007562.D

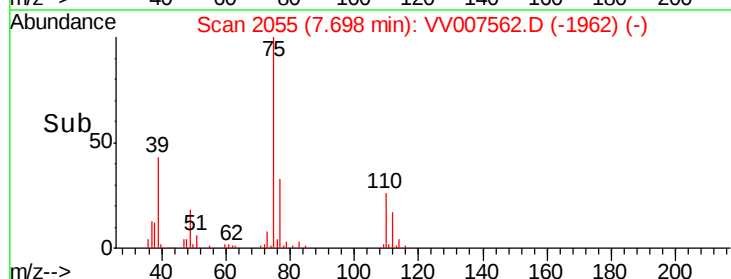
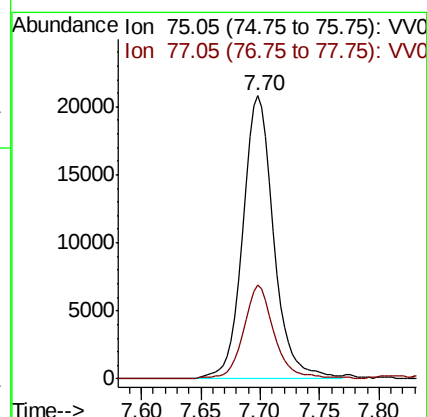
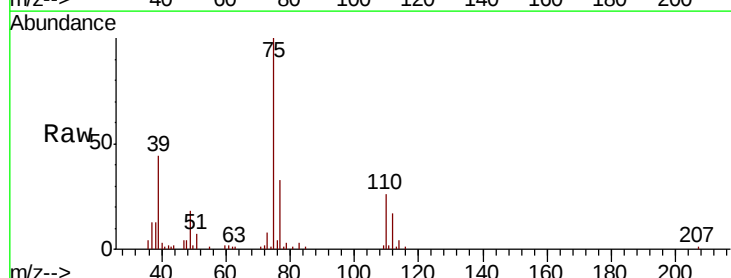
Acq: 15 Sep 2018 10:47

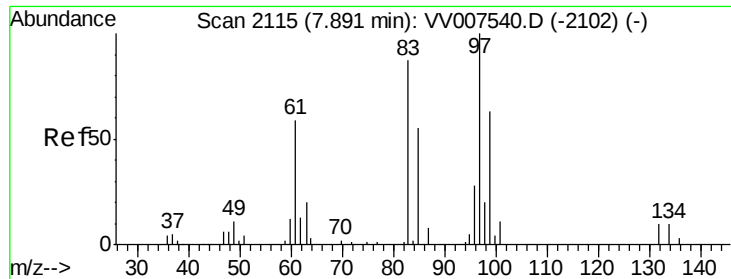
Tgt Ion: 75 Resp: 37591

Ion Ratio Lower Upper

75 100

77 33.0 23.4 43.4

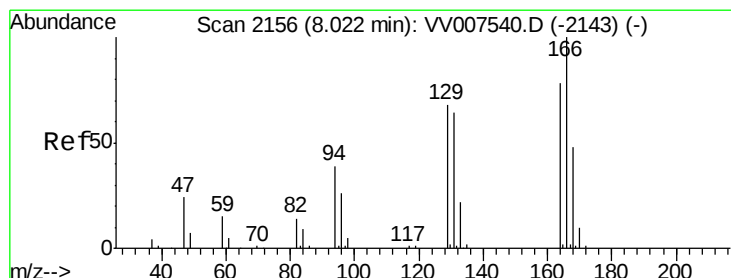
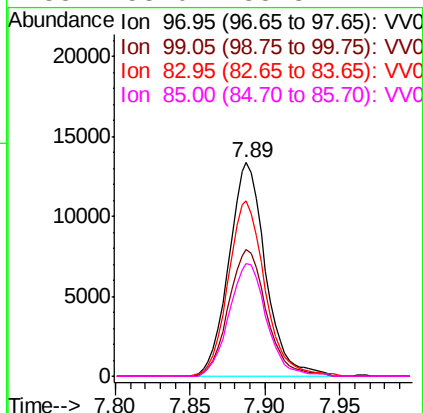
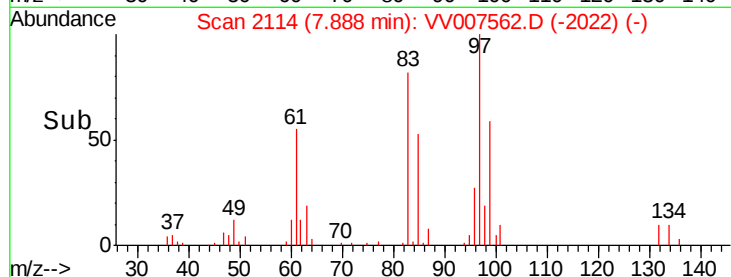
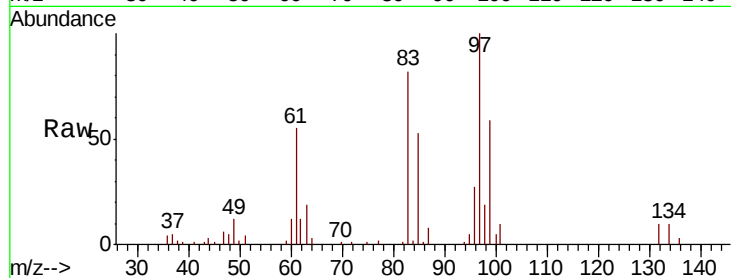




#45
 1,1,2-Trichloroethane
 Concen: 4.856 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

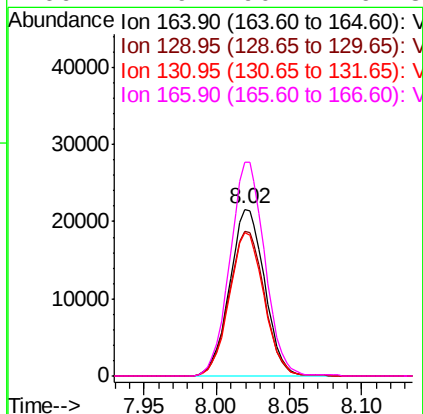
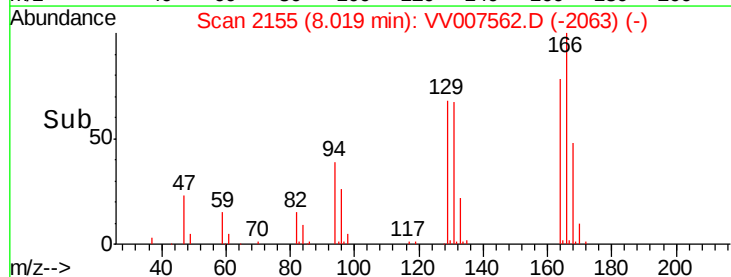
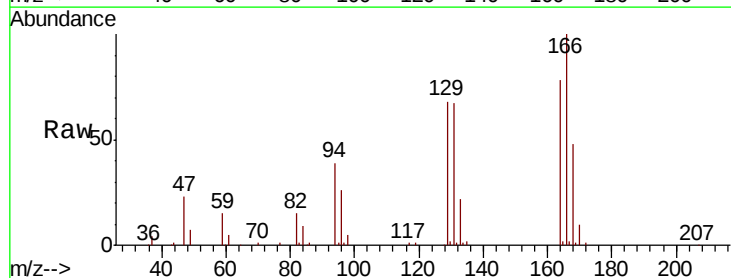
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

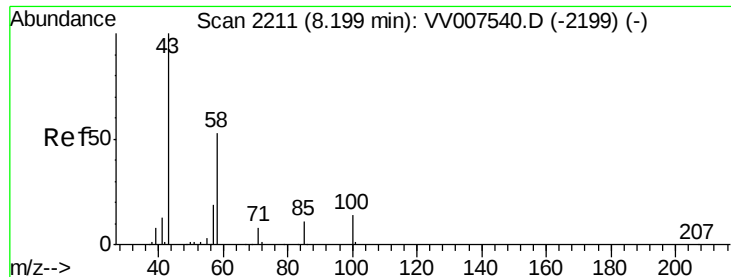
Tgt Ion:	97	Resp:	22809
Ion	Ratio	Lower	Upper
97	100		
99	59.3	42.9	79.7
83	82.0	58.1	107.9
85	53.0	38.3	71.1



#47
 Tetrachloroethene
 Concen: 5.144 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion:	164	Resp:	36161
Ion	Ratio	Lower	Upper
164	100		
129	86.4	61.9	115.1
131	85.5	62.1	115.3
166	127.9	90.4	167.8

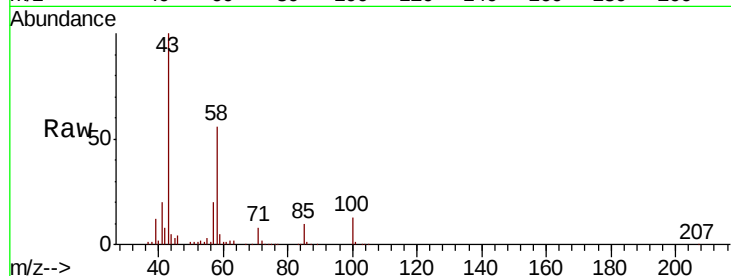




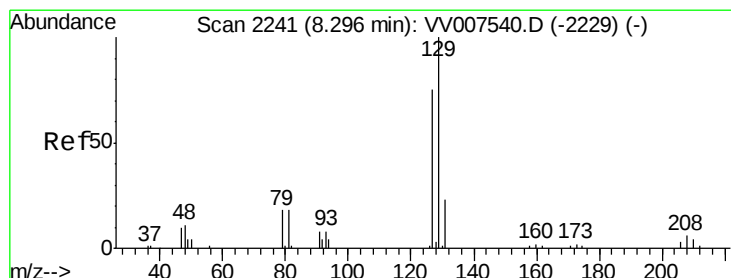
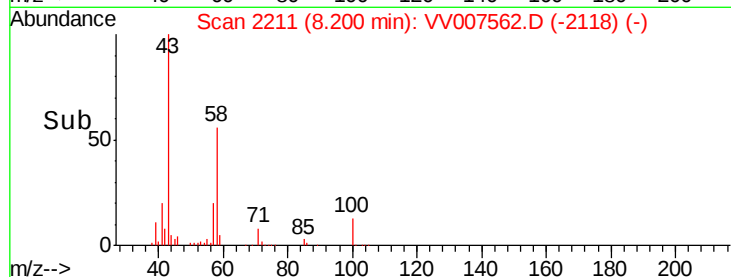
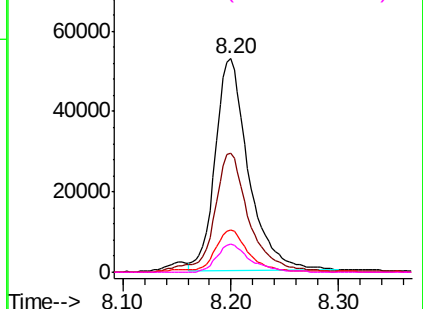
#48
2-Hexanone
Concen: 42.890 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

Tgt Ion:	43	Resp:	113086
Ion	Ratio	Lower	Upper
43	100		
58	59.2	49.8	74.6
57	18.7	18.2	27.4
100	13.6	11.0	16.4

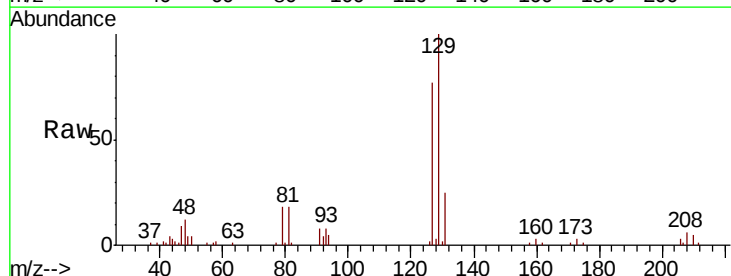


Abundance Ion 43.05 (42.75 to 43.75): VV007540.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV007540.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV007540.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV007540.D (-2199) (-)

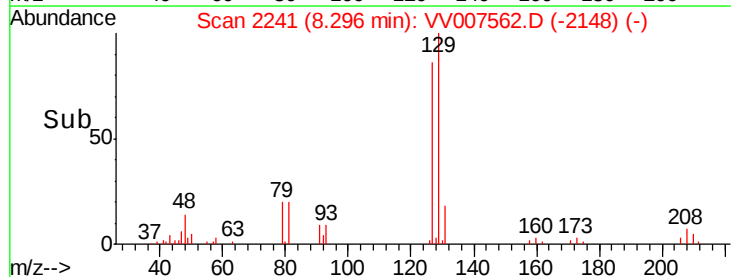
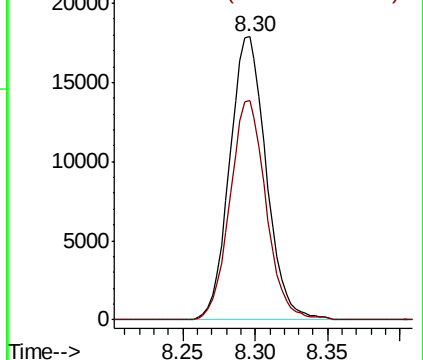


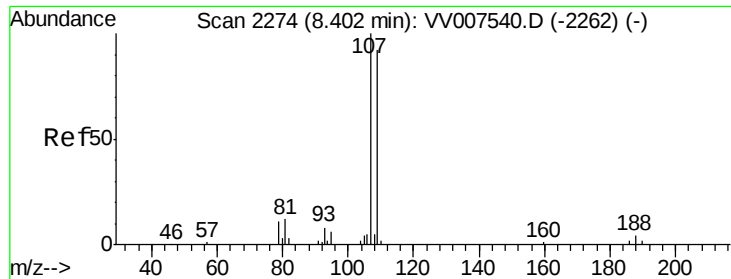
#49
Dibromochloromethane
Concen: 4.685 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion:	129	Resp:	31320
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	100.0



Abundance Ion 128.95 (128.65 to 129.65): VV007540.D (-2229) (-)
Ion 126.90 (126.60 to 127.60): VV007540.D (-2229) (-)

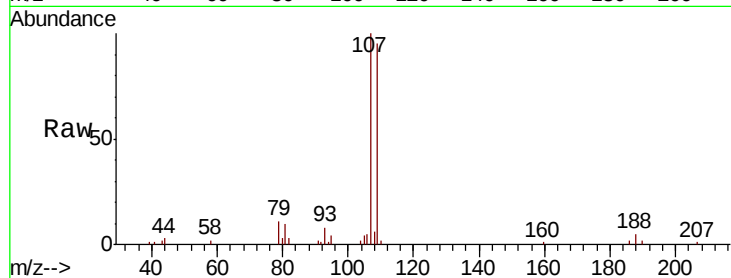




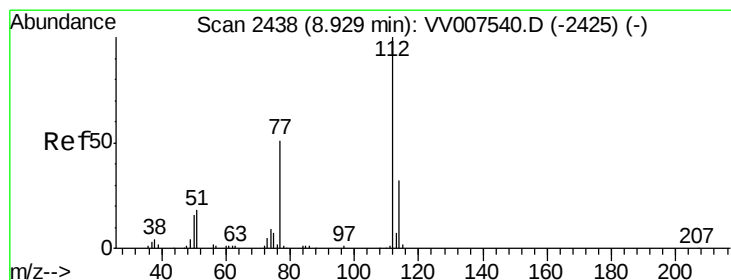
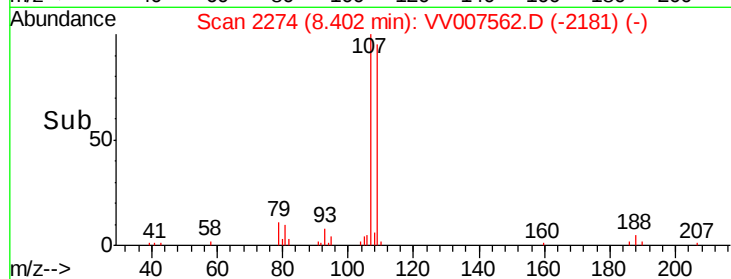
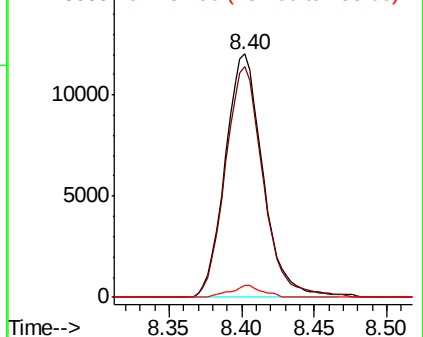
#50
1,2-Dibromoethane
Concen: 4.755 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

Tgt Ion:107 Resp: 21687
Ion Ratio Lower Upper
107 100
109 94.8 66.0 122.6
188 4.6 3.3 4.9

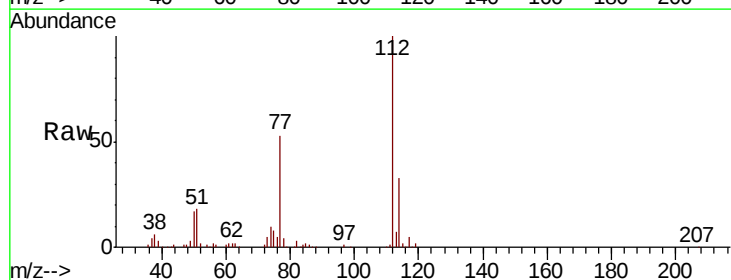


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

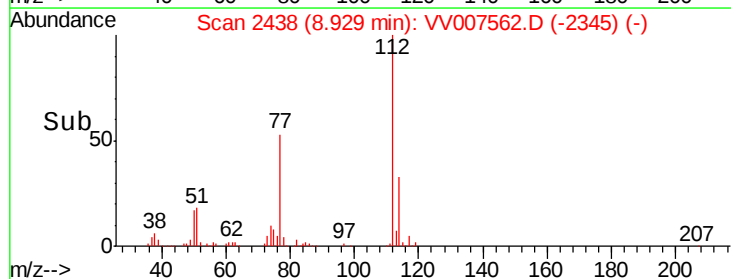
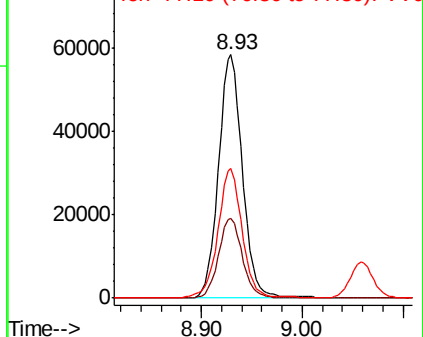


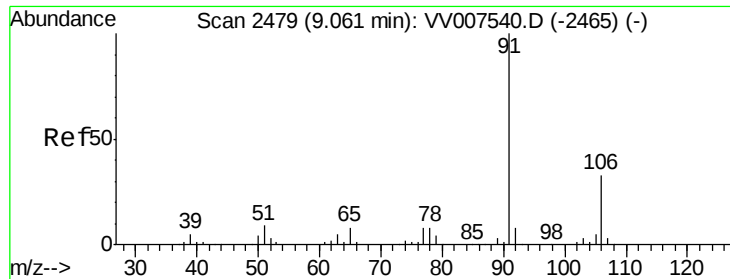
#51
Chlorobenzene
Concen: 4.870 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion:112 Resp: 96593
Ion Ratio Lower Upper
112 100
114 32.8 22.8 42.4
77 53.0 43.2 64.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.779 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

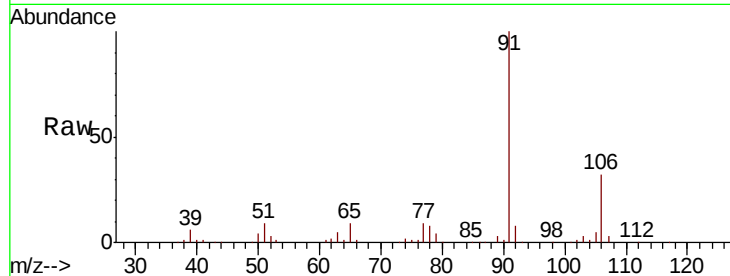
VSTD00563

Tgt Ion: 91 Resp: 158746

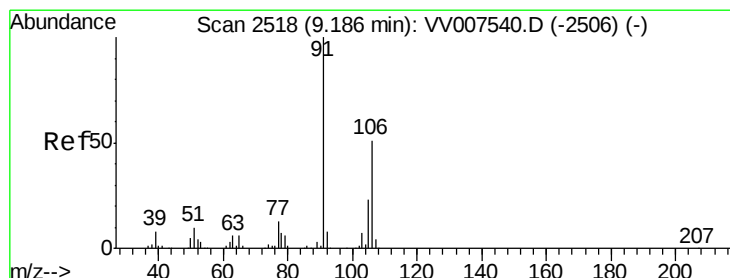
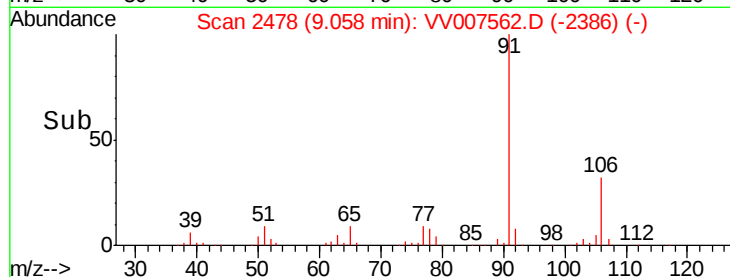
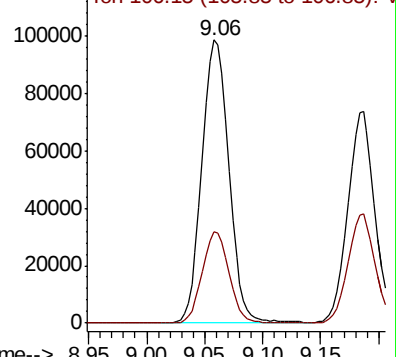
Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV007540.D (-2465) (-)



#53

m,p-xylene

Concen: 4.838 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007562.D

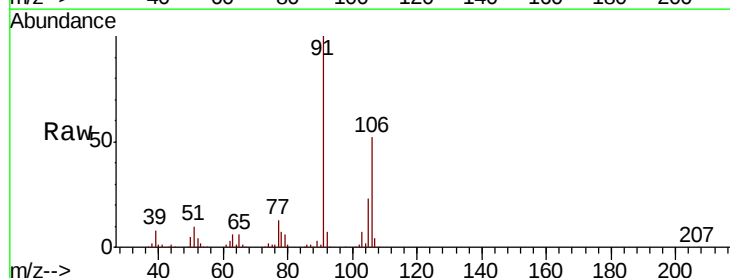
Acq: 15 Sep 2018 10:47

Tgt Ion: 106 Resp: 62262

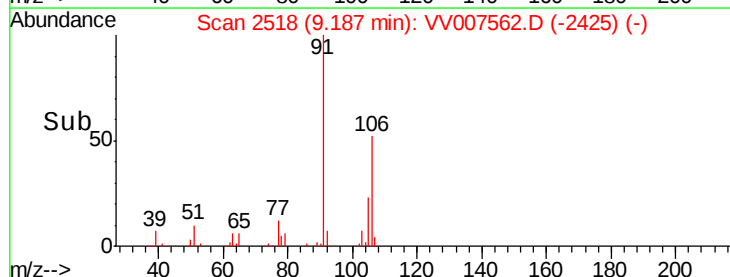
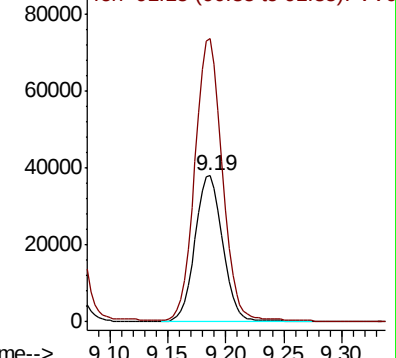
Ion Ratio Lower Upper

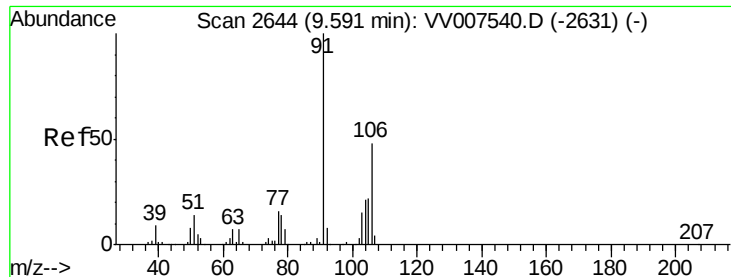
106 100

91 193.6 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): VV007540.D (-2506) (-)

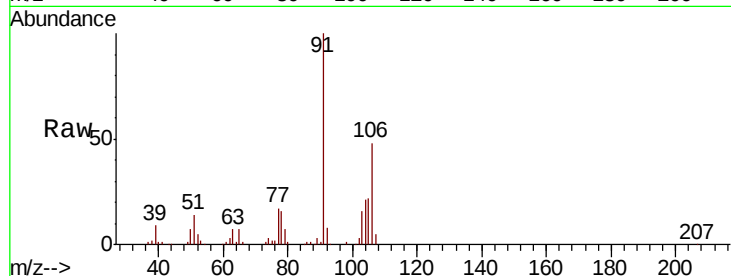




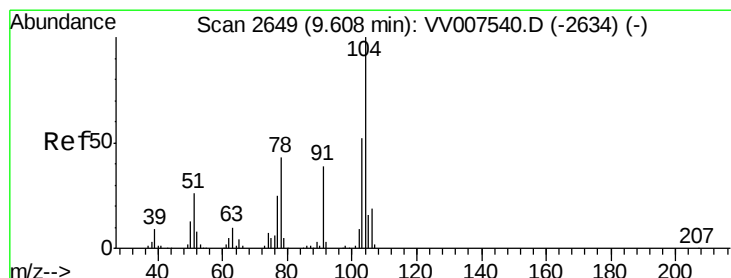
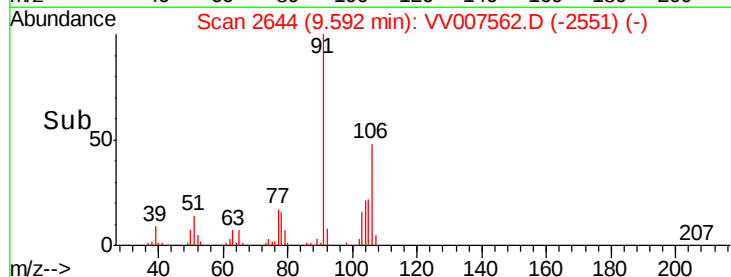
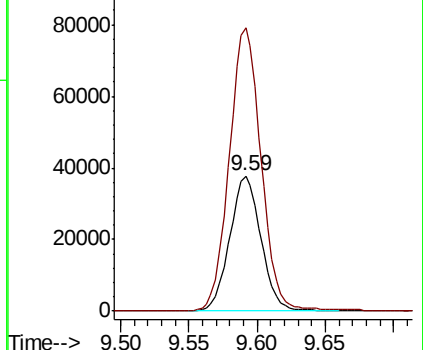
#54
o-xylene
Concen: 4.772 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 60143
Ion Ratio Lower Upper
106 100
91 209.7 147.6 274.0

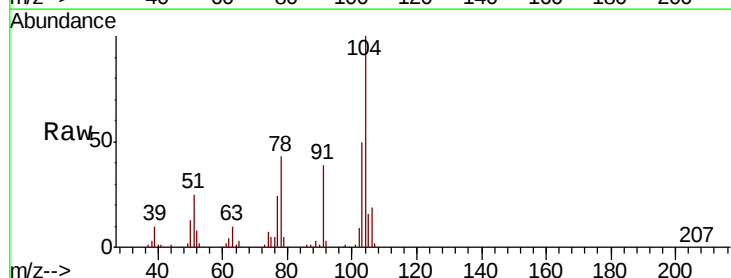


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

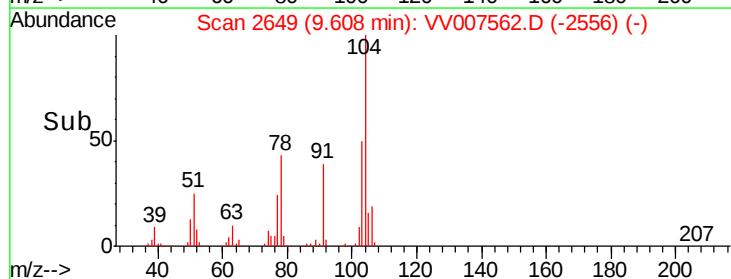
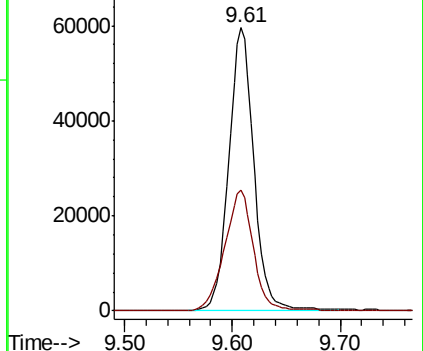


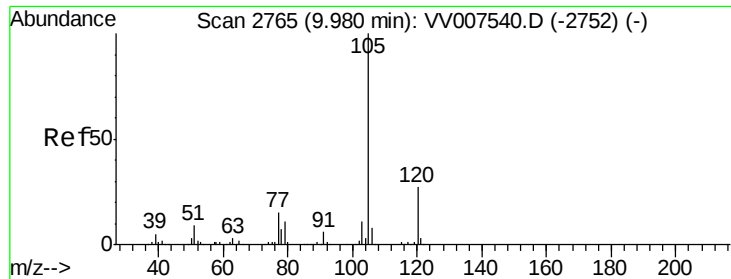
#55
Styrene
Concen: 4.725 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007562.D
Acq: 15 Sep 2018 10:47

Tgt Ion:104 Resp: 96996
Ion Ratio Lower Upper
104 100
78 42.6 29.5 54.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.798 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

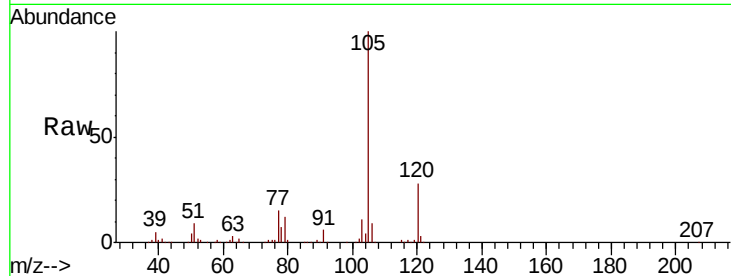
Tgt Ion: 105 Resp: 164192

Ion Ratio Lower Upper

105 100

120 27.5 22.2 33.2

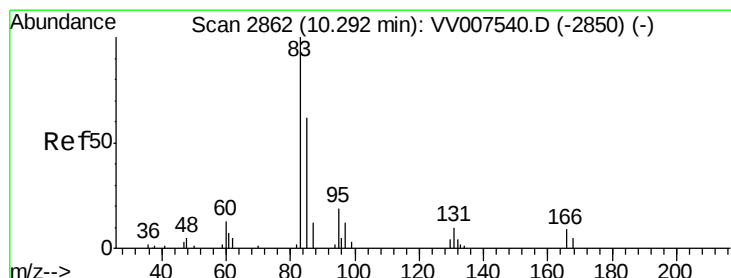
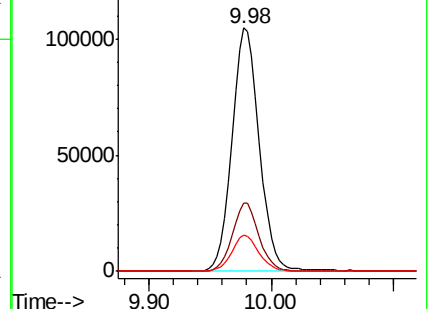
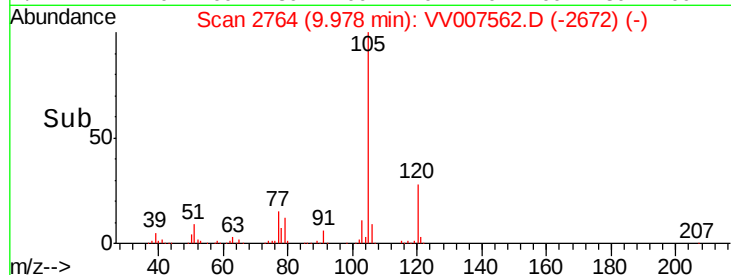
77 14.9 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): VV007540.D (-2752) (-)

Ion 120.10 (119.80 to 120.80): VV007540.D (-2752) (-)

Ion 77.10 (76.80 to 77.80): VV007540.D (-2752) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.334 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

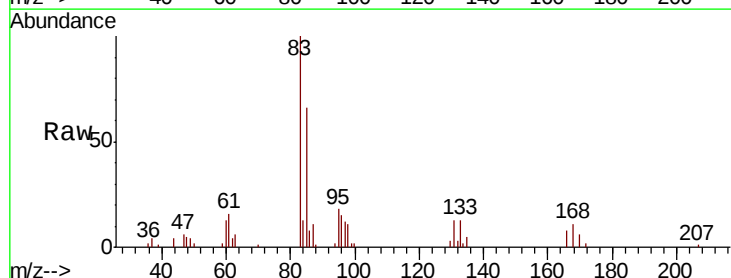
Tgt Ion: 83 Resp: 19943

Ion Ratio Lower Upper

83 100

85 66.4 43.6 81.0

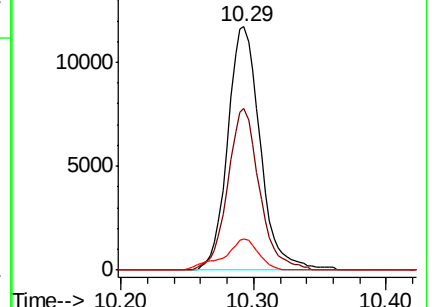
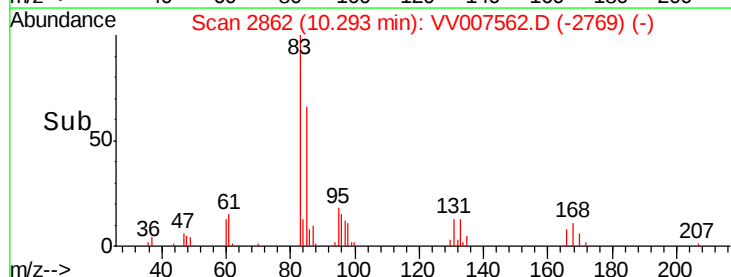
131 12.6 9.2 13.8

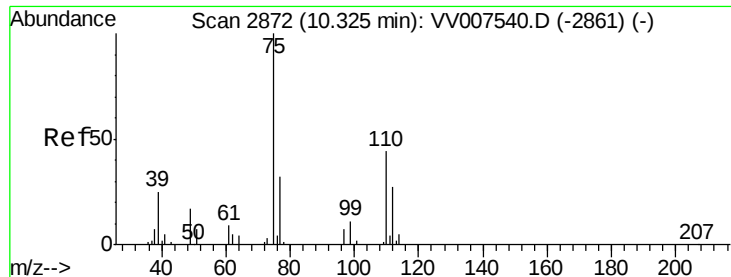


Abundance Ion 82.95 (82.65 to 83.65): VV007540.D (-2850) (-)

Ion 85.00 (84.70 to 85.70): VV007540.D (-2850) (-)

Ion 130.95 (130.65 to 131.65): VV007540.D (-2850) (-)

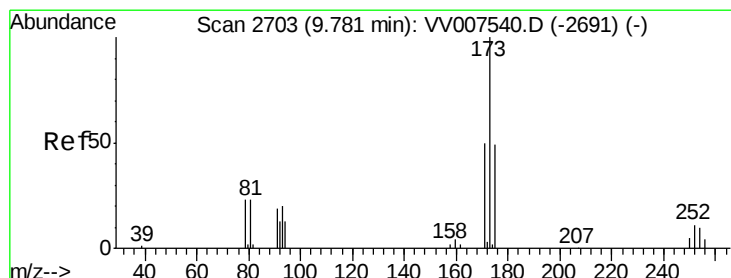
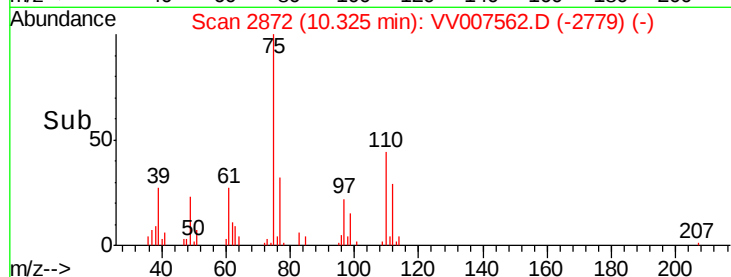
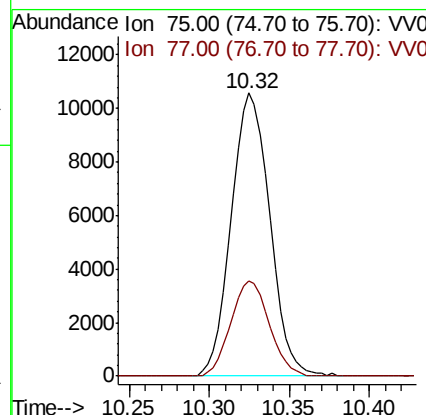
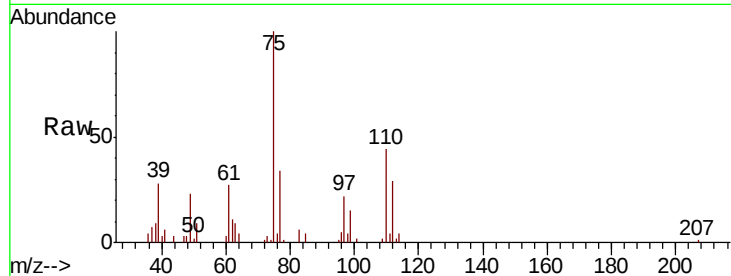




#59
 1,2,3-Trichloropropane
 Concen: 4.513 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

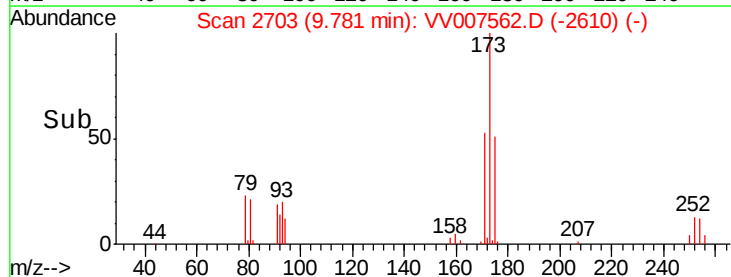
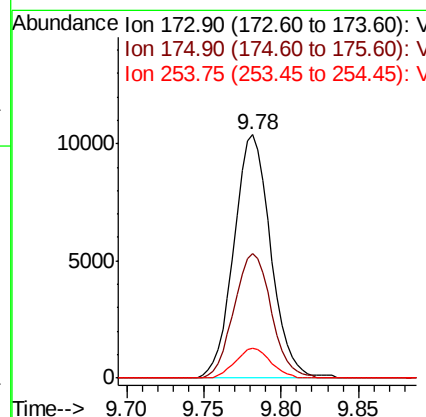
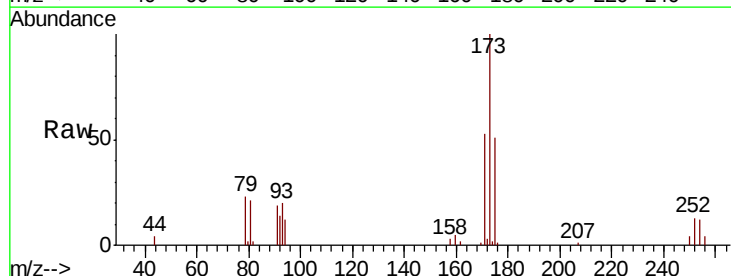
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

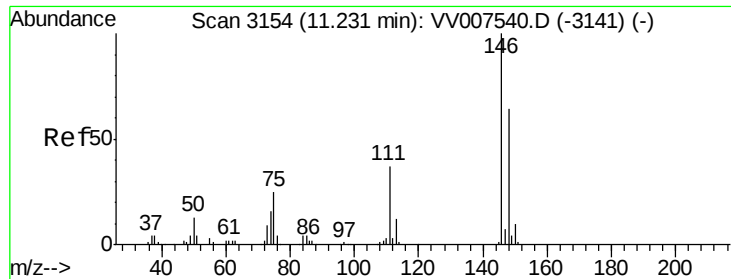
Tgt Ion: 75 Resp: 17357
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.0 37.6



#61
 Bromoform
 Concen: 4.682 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion: 173 Resp: 17164
 Ion Ratio Lower Upper
 173 100
 175 51.9 37.9 56.9
 254 11.7 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 4.980 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

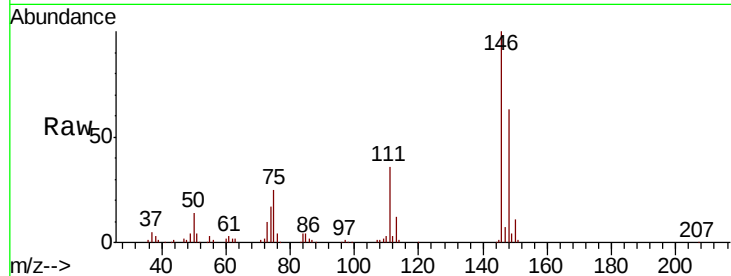
Tgt Ion:146 Resp: 77701

Ion Ratio Lower Upper

146 100

111 36.1 25.3 47.1

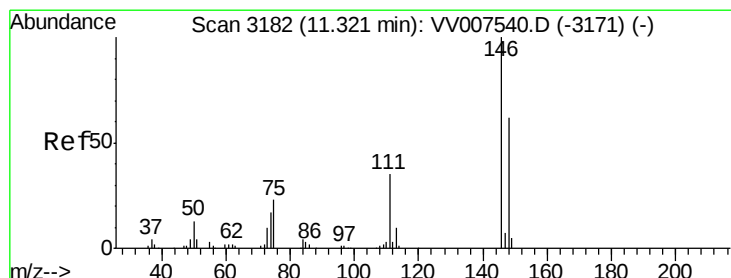
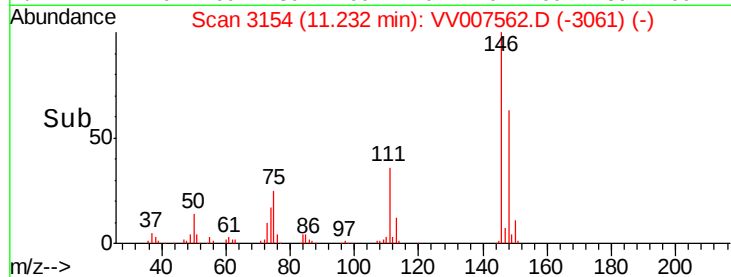
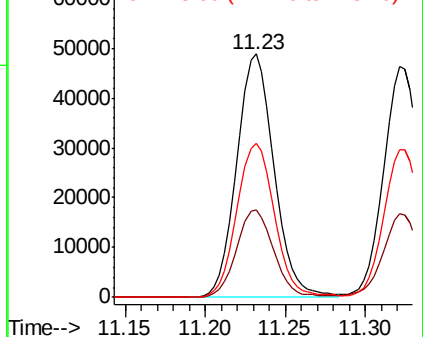
148 63.3 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.906 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

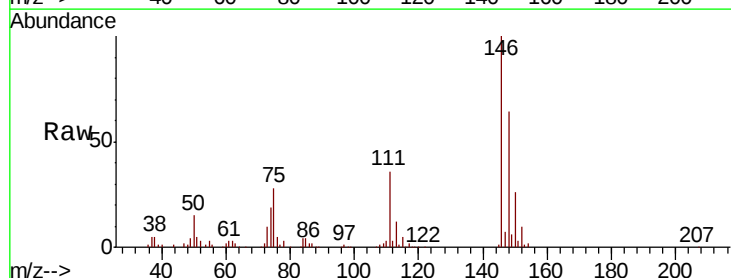
Tgt Ion:146 Resp: 76541

Ion Ratio Lower Upper

146 100

111 35.9 24.5 45.5

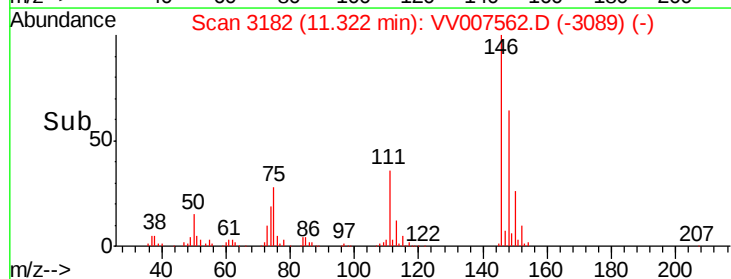
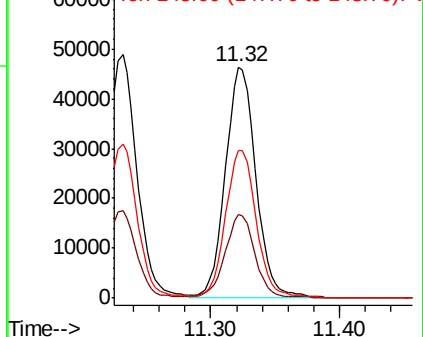
148 63.9 45.1 83.9

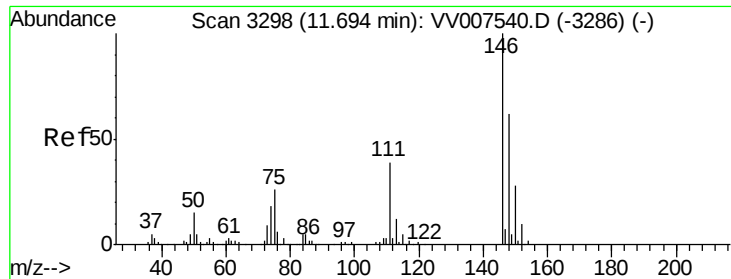


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

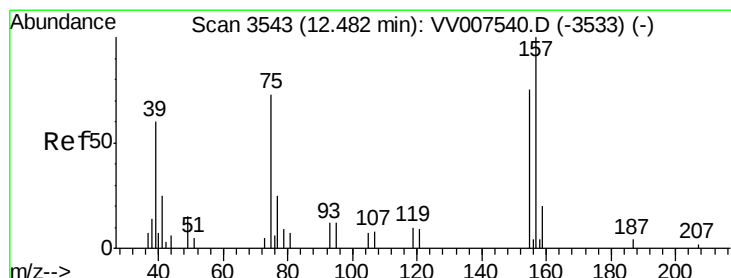
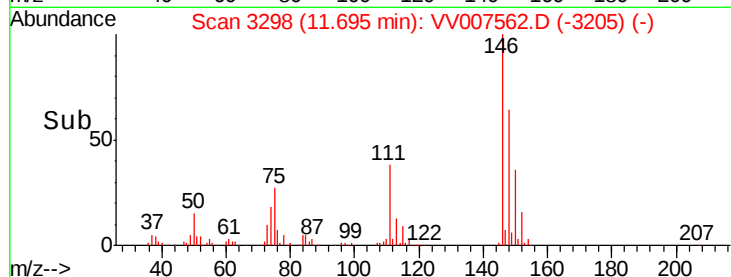
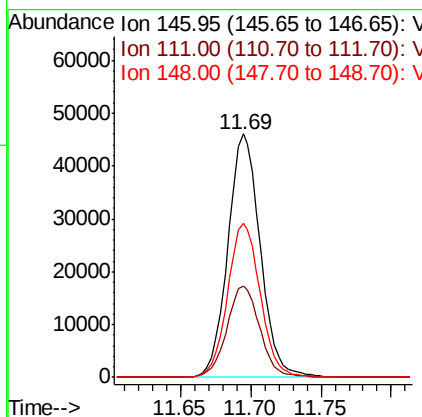
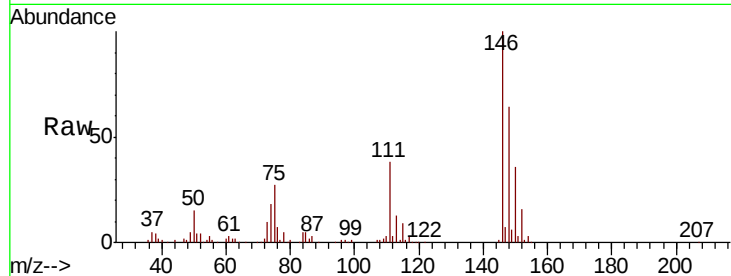




#65
 1,2-Dichlorobenzene
 Concen: 5.098 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

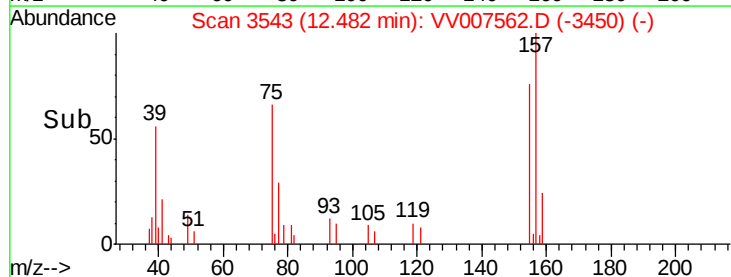
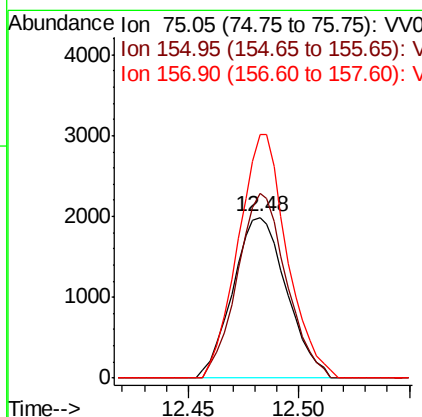
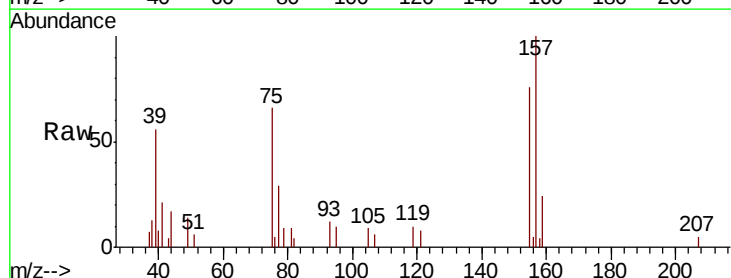
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

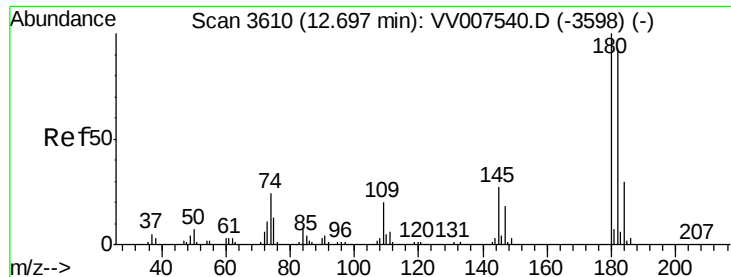
Tgt Ion: 146 Resp: 74035
 Ion Ratio Lower Upper
 146 100
 111 37.7 32.7 49.1
 148 63.5 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.488 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion: 75 Resp: 3353
 Ion Ratio Lower Upper
 75 100
 155 114.7 74.6 111.8#
 157 151.4 97.4 146.2#

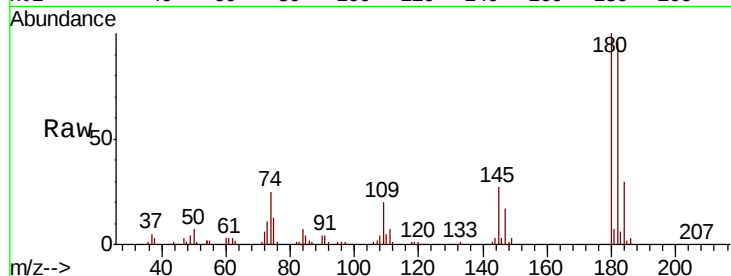




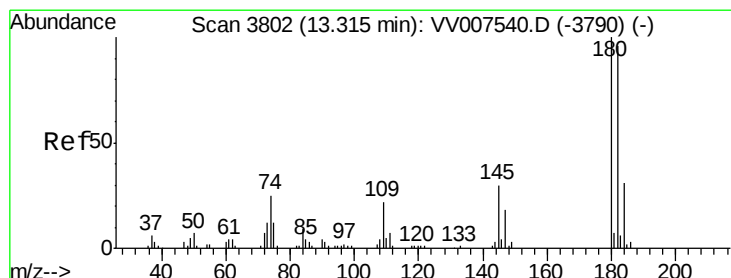
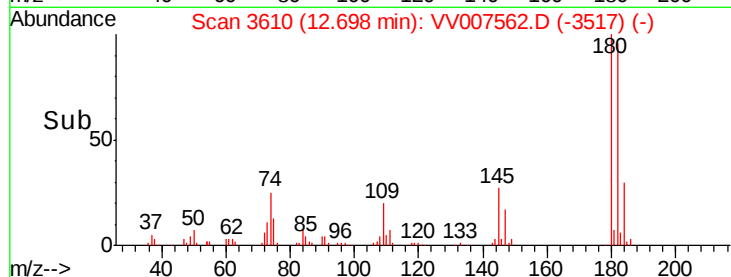
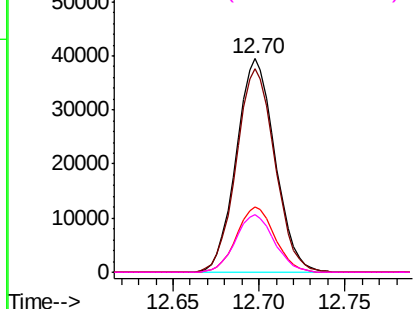
#67
 1,3,5-Trichlorobenzene
 Concen: 5.074 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 61782
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 184 30.2 24.0 36.0
 145 27.0 22.6 34.0

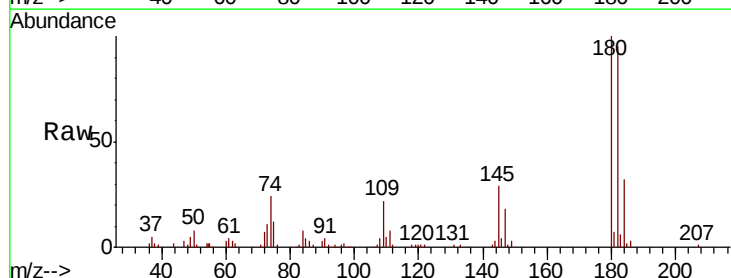


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

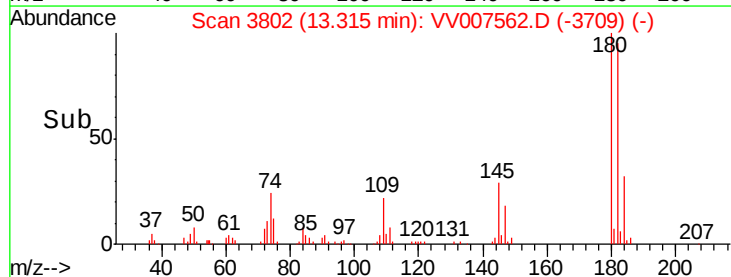
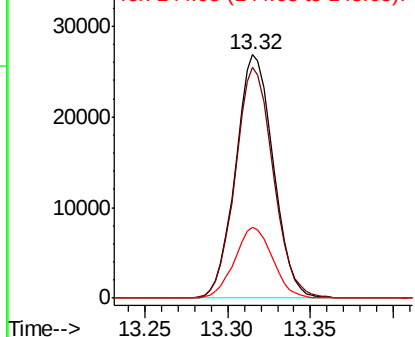


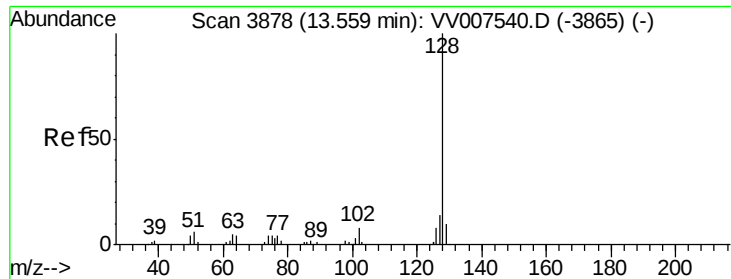
#68
 1,2,4-trichlorobenzene
 Concen: 4.839 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007562.D
 Acq: 15 Sep 2018 10:47

Tgt Ion:180 Resp: 42429
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.8 116.8
 145 29.2 22.5 33.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.906 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD00563

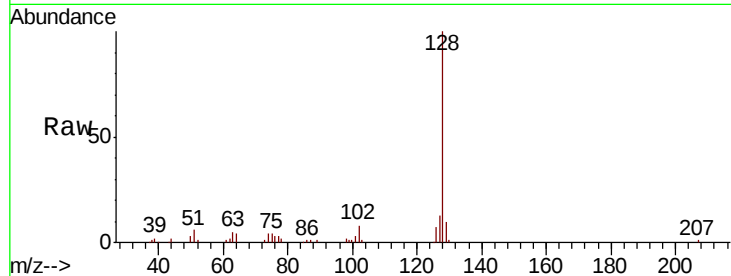
Tgt Ion:128 Resp: 52075

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

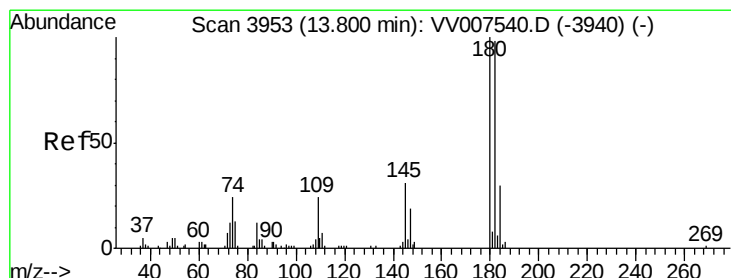
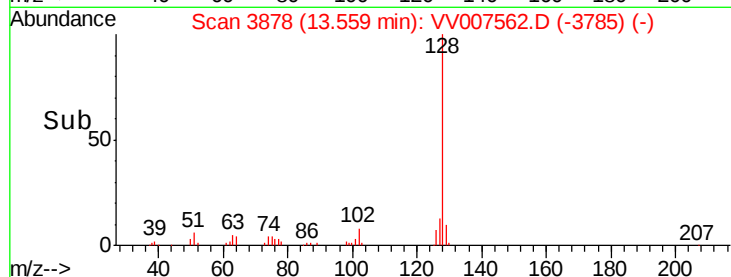
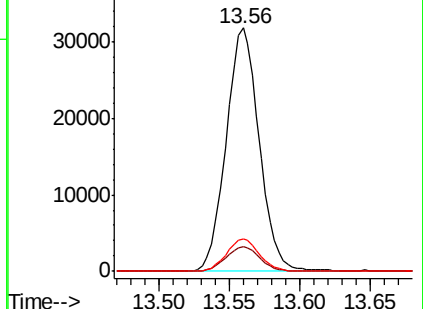
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.809 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007562.D

Acq: 15 Sep 2018 10:47

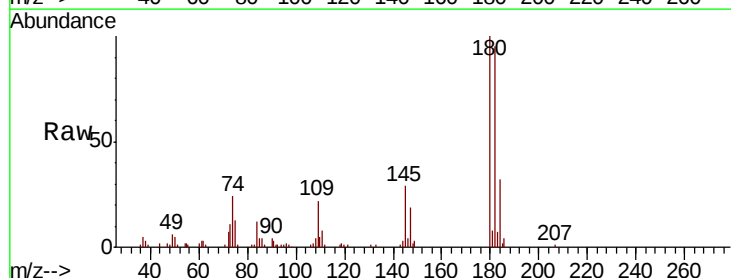
Tgt Ion:180 Resp: 38451

Ion Ratio Lower Upper

180 100

182 96.4 75.5 113.3

145 30.5 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

