

Data File : VV007598.D
Acq On : 18 Sep 2018 12:08
Operator : SY/MD
Sample : VSTD00568
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Sep 19 01:26:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:25:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	129631	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65765	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30910	4.62	ug/L	0.00
7) Chloroethane-d5	1.59	69	27062	4.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	74596	5.21	ug/L	0.00
20) 2-Butanone-d5	3.97	46	46572	50.00	ug/L	0.00
24) Chloroform-d	4.41	84	65325	4.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	32279	4.80	ug/L	0.00
32) Benzene-d6	5.10	84	125984	4.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	36729	4.65	ug/L	0.00
41) Toluene-d8	7.36	98	134262	4.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	16221	4.48	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	28785	49.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25492	4.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	56692	4.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	51036	6.683 ug/L	100
3) Chloromethane	1.25	50	38695	5.999 ug/L	100
5) Vinyl chloride	1.32	62	43779	6.088 ug/L	100
6) Bromomethane	1.54	94	31380	6.108 ug/L	100
8) Chloroethane	1.60	64	26989	6.125 ug/L	100
9) Trichlorofluoromethane	1.77	101	88618	6.224 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	49157	6.300 ug/L	100
12) 1,1-Dichloroethene	2.15	96	43723	6.219 ug/L	100
13) Acetone	2.21	43	34618	54.501 ug/L	100
14) Carbon disulfide	2.32	76	126855	6.213 ug/L	100
15) Methyl Acetate	2.47	43	11819	6.483 ug/L	100
16) Methylene chloride	2.54	84	42685	5.657 ug/L	100
17) Methyl tert-butyl Ether	2.82	73	94436	5.743 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	47366	6.256 ug/L	100
19) 1,1-Dichloroethane	3.23	63	62381	5.732 ug/L	100
21) 2-Butanone	4.05	43	56577	53.866 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	43069	5.839 ug/L	100
23) Bromochloromethane	4.31	128	19553	6.027 ug/L	100
25) Chloroform	4.43	83	71696	5.756 ug/L	100
27) 1,2-Dichloroethane	5.19	62	41265	5.802 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	69201	5.755 ug/L	100
30) Cyclohexane	4.73	56	59474	5.693 ug/L	100
31) Carbon tetrachloride	4.88	117	65018	5.759 ug/L	100
33) Benzene	5.15	78	150587	5.876 ug/L	100
34) Trichloroethene	5.96	95	48218	6.081 ug/L	100
35) Methylcyclohexane	6.18	83	73575	6.054 ug/L	100
37) 1,2-Dichloropropane	6.23	63	34547	5.523 ug/L	100
38) Bromodichloromethane	6.56	83	49875	5.538 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	56597	5.711 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	194372	56.789 ug/L	100

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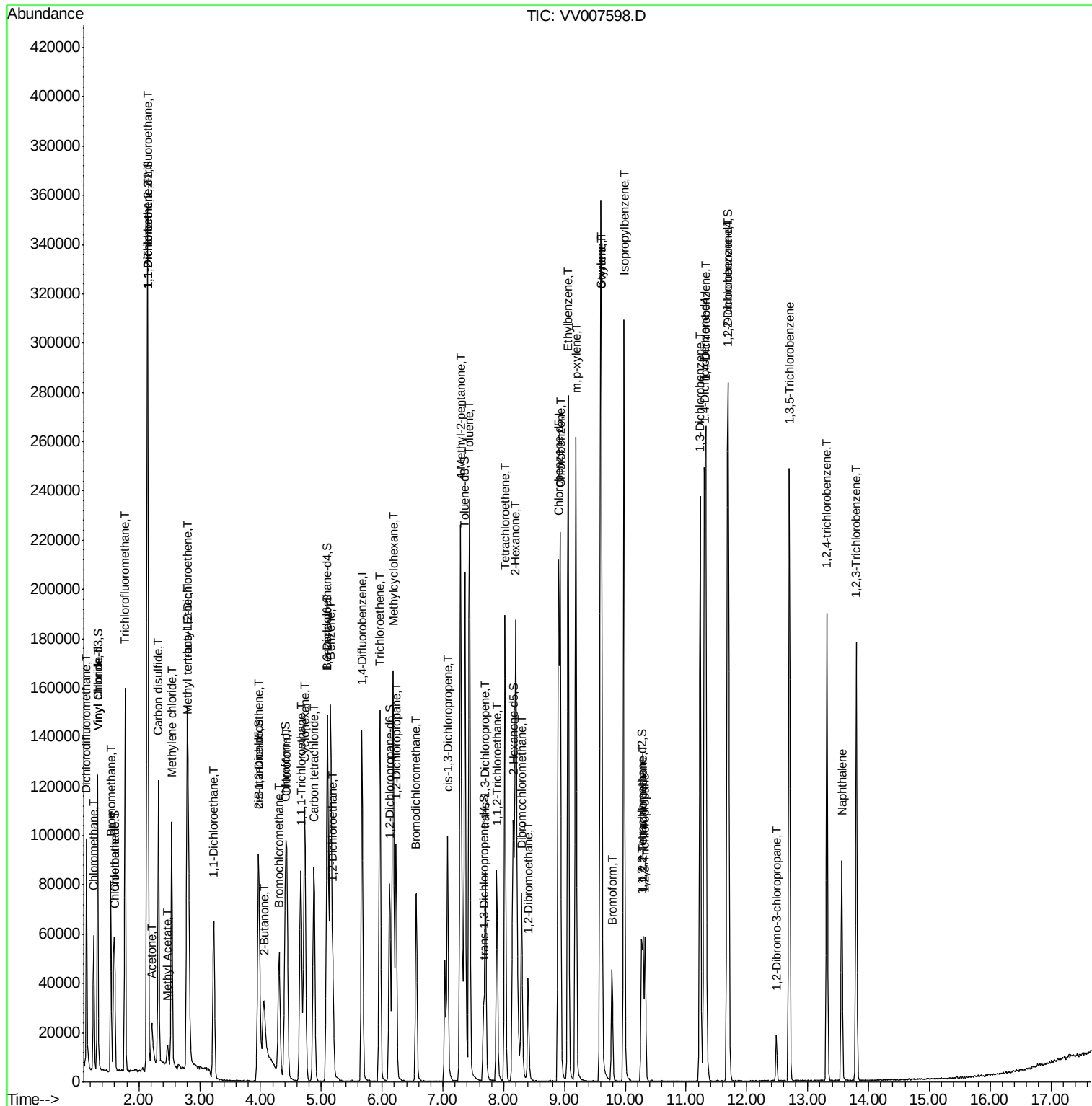
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	173302	5.867	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	45650	5.611	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	27378	5.829	ug/L	100
47) Tetrachloroethene	8.02	164	43680	6.122	ug/L	100
48) 2-Hexanone	8.20	43	149705	56.583	ug/L	100
49) Dibromochloromethane	8.30	129	37050	5.612	ug/L	100
50) 1,2-Dibromoethane	8.40	107	27322	5.990	ug/L	100
51) Chlorobenzene	8.93	112	118550	5.947	ug/L	100
52) Ethylbenzene	9.06	91	195384	5.894	ug/L	100
53) m,p-xylene	9.19	106	76415	5.939	ug/L	100
54) o-xylene	9.59	106	73163	5.831	ug/L	100
55) Styrene	9.61	104	123151	5.994	ug/L	100
56) Isopropylbenzene	9.98	105	203591	5.936	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25716	5.696	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	22705	5.932	ug/L	100
61) Bromoform	9.78	173	21530	5.436	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	105273	6.029	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	103904	5.964	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	95980	5.917	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4228	5.307	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	85726	6.254	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	62645	6.404	ug/L	100
69) Naphthalene	13.56	128	73425	6.301	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	57567	6.434	ug/L	100

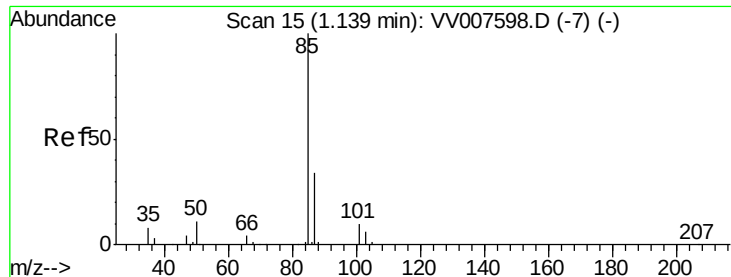
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.683 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

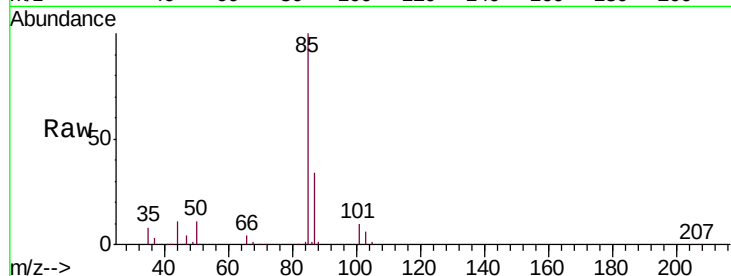
VSTD00568

Tgt Ion: 85 Resp: 51036

Ion Ratio Lower Upper

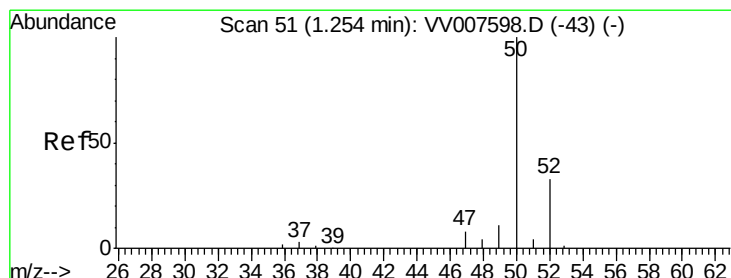
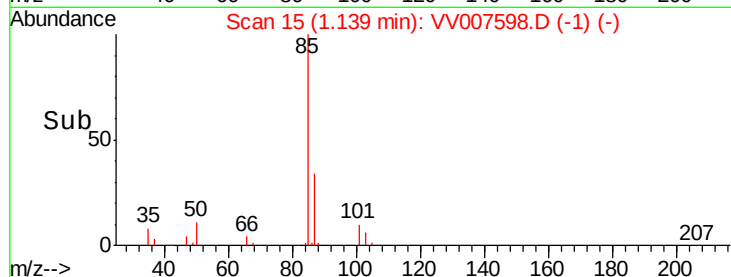
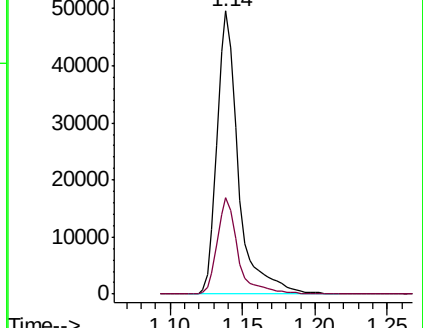
85 100

87 33.3 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV007598.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007598.D (-7) (-)



#3

Chloromethane

Concen: 5.999 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007598.D

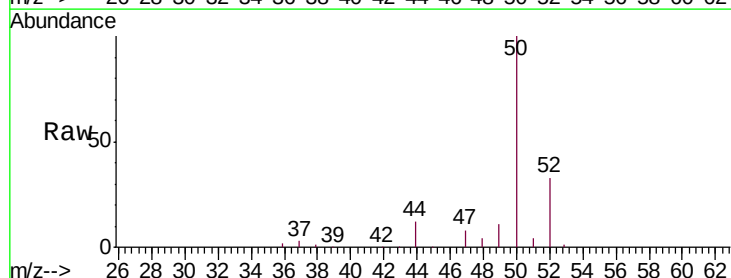
Acq: 18 Sep 2018 12:08

Tgt Ion: 50 Resp: 38695

Ion Ratio Lower Upper

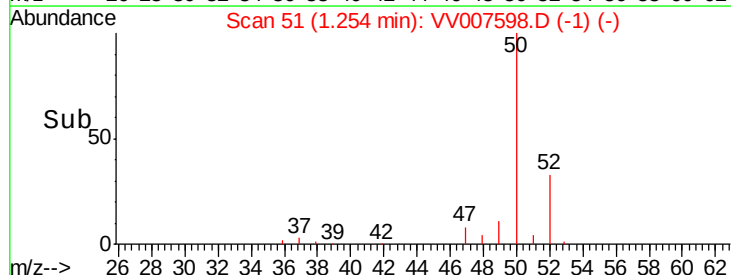
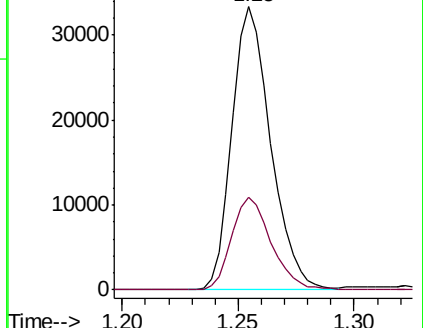
50 100

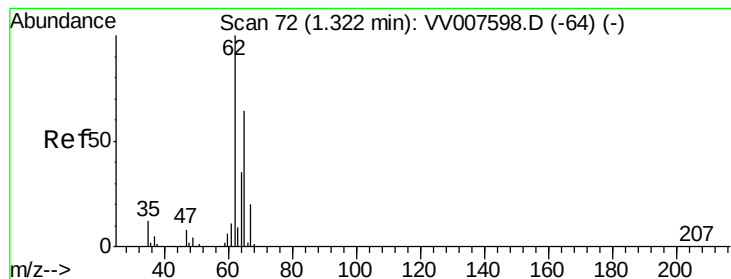
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV007598.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007598.D (-43) (-)





#5

Vinyl chloride

Concen: 6.088 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

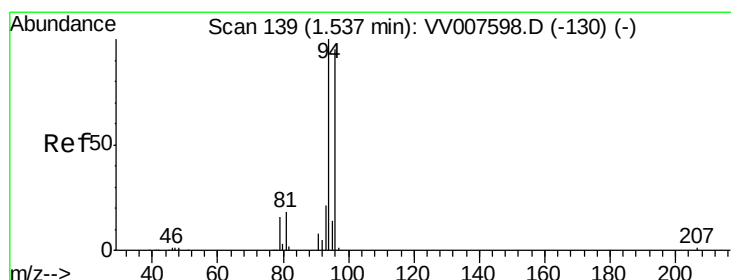
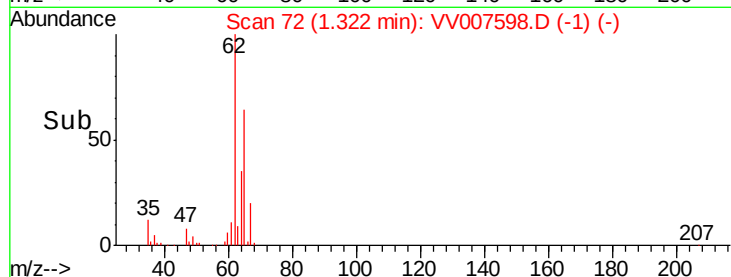
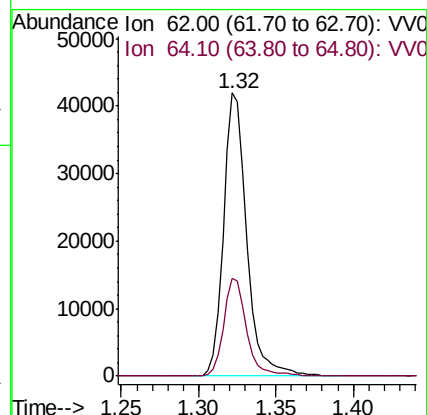
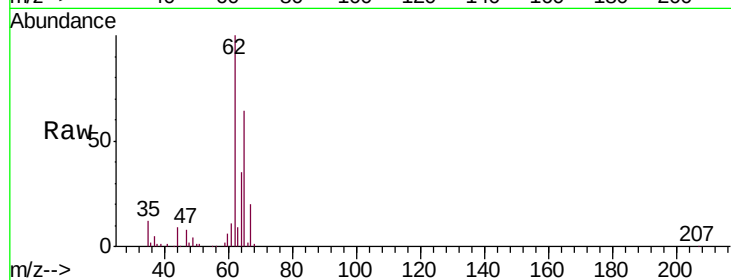
VSTD00568

Tgt Ion: 62 Resp: 43779

Ion Ratio Lower Upper

62 100

64 34.6 24.2 45.0



#6

Bromomethane

Concen: 6.108 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007598.D

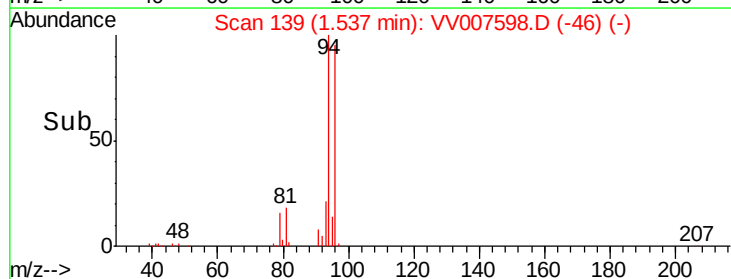
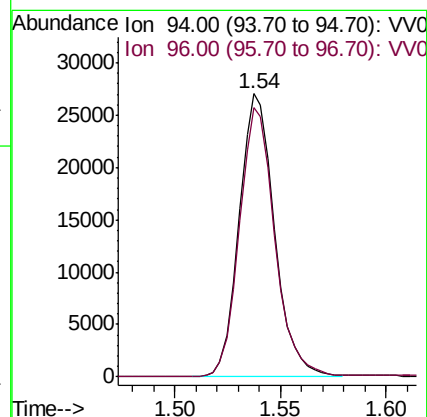
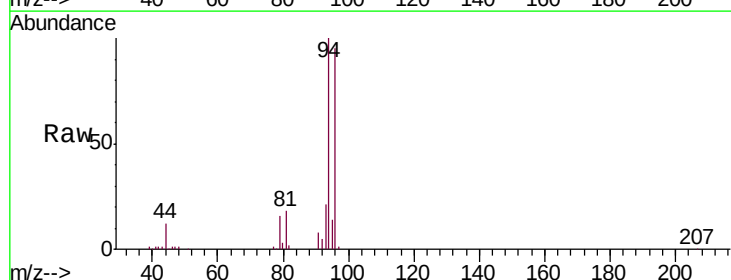
Acq: 18 Sep 2018 12:08

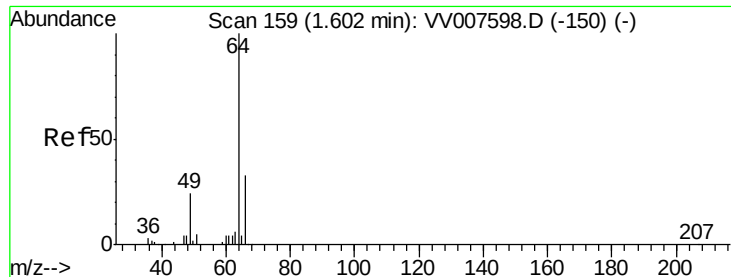
Tgt Ion: 94 Resp: 31380

Ion Ratio Lower Upper

94 100

96 95.1 66.6 123.6





#8

Chloroethane

Concen: 6.125 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

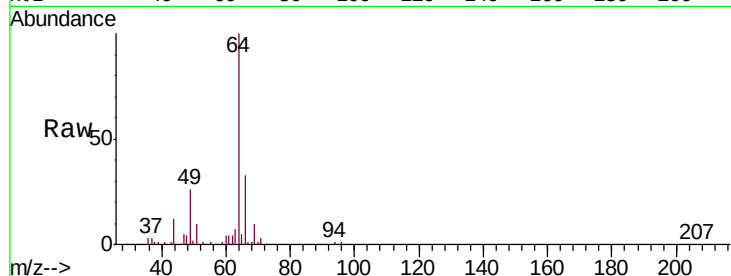
VSTD00568

Tgt Ion: 64 Resp: 26989

Ion Ratio Lower Upper

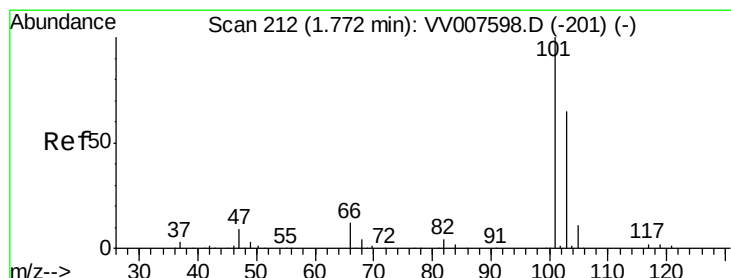
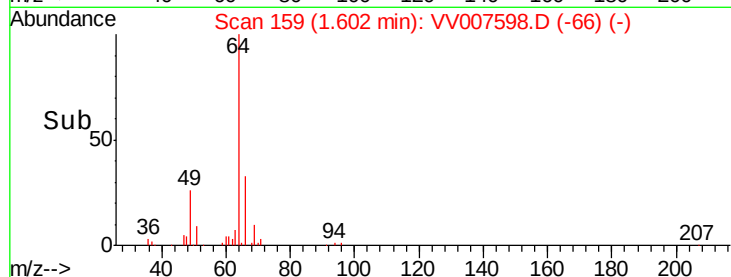
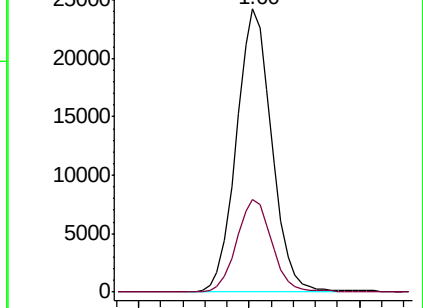
64 100

66 32.7 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV007598.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007598.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 6.224 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV007598.D

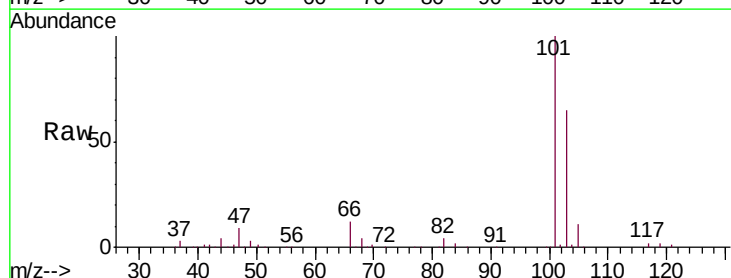
Acq: 18 Sep 2018 12:08

Tgt Ion: 101 Resp: 88618

Ion Ratio Lower Upper

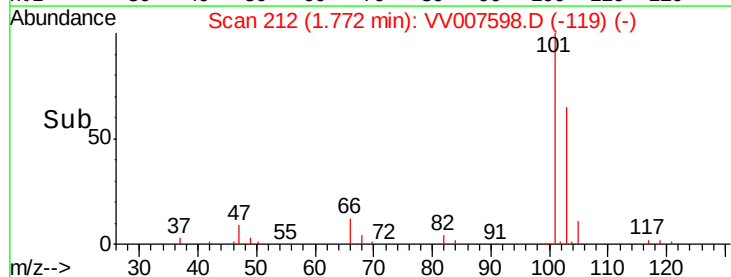
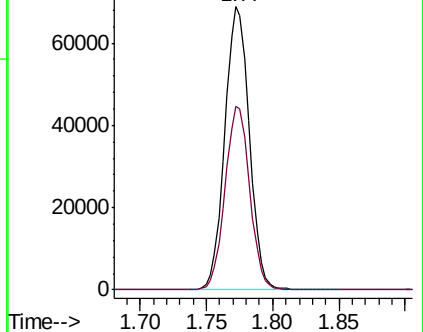
101 100

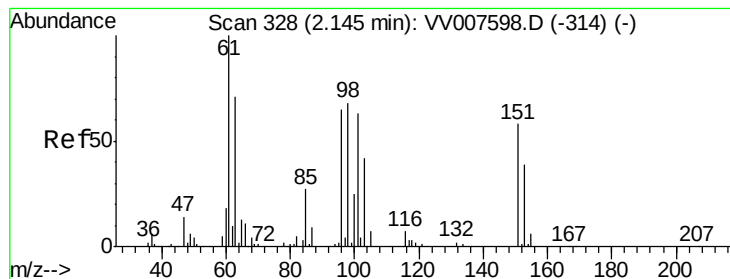
103 65.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV007598.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV007598.D (-201) (-)





#10

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

Concen: 6.300 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

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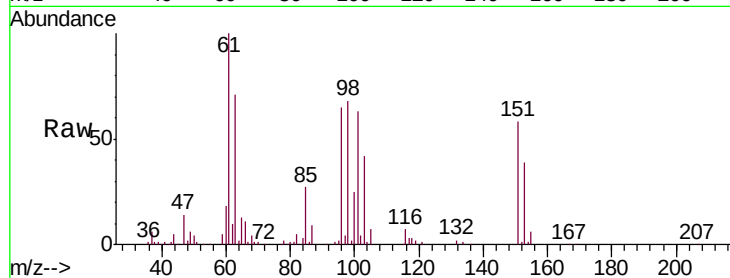
Tgt Ion: 101 Resp: 49157

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

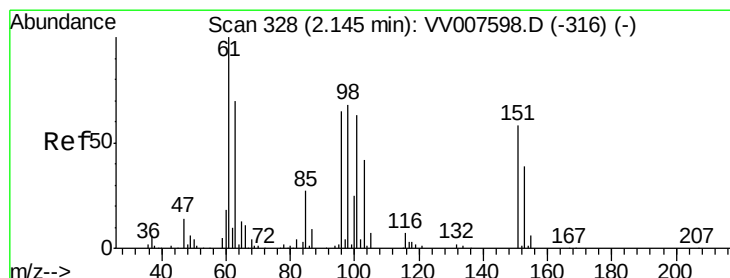
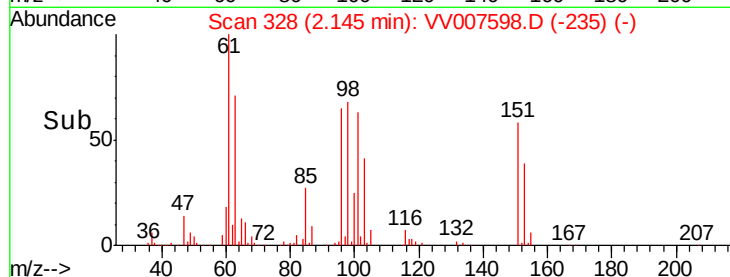
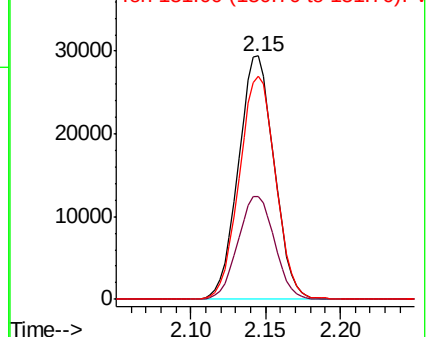
151 92.6 74.1 111.1



Abundance Ion 101.00 (100.70 to 101.70): VV007598.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007598.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007598.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 6.219 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

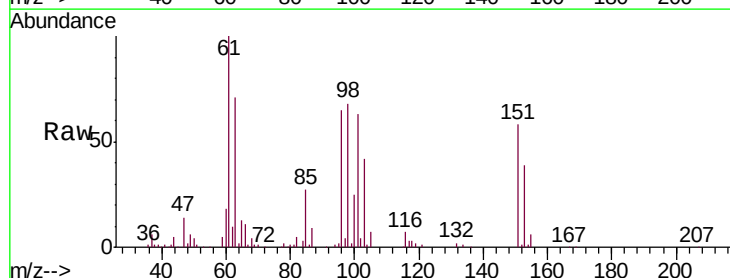
Tgt Ion: 96 Resp: 43723

Ion Ratio Lower Upper

96 100

61 154.5 108.1 200.9

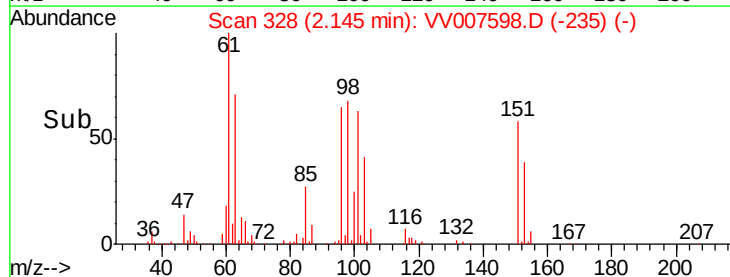
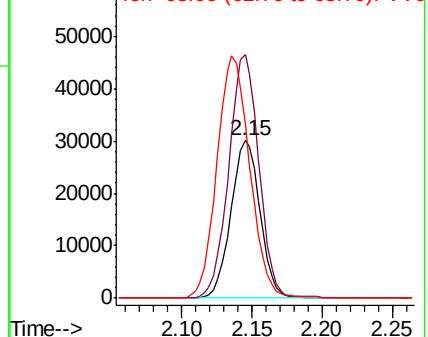
63 109.9 76.9 142.9

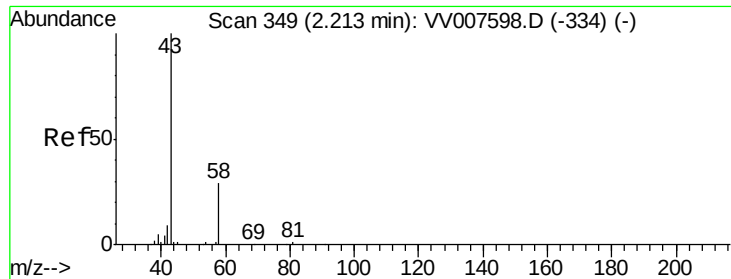


Abundance Ion 96.00 (95.70 to 96.70): VV007598.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV007598.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV007598.D (-316) (-)





#13

Acetone

Concen: 54.501 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

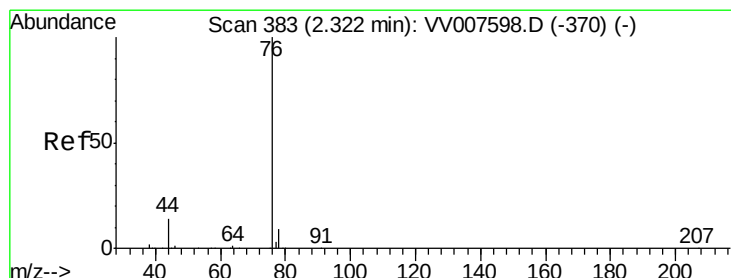
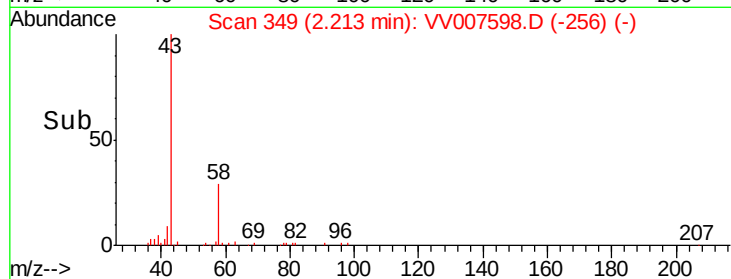
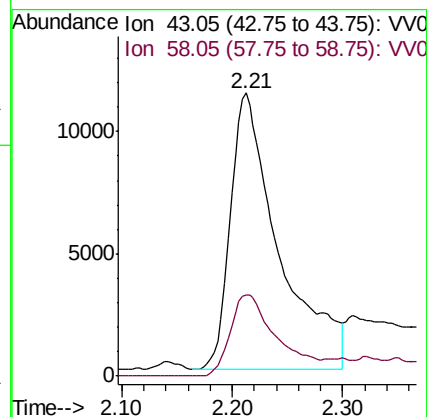
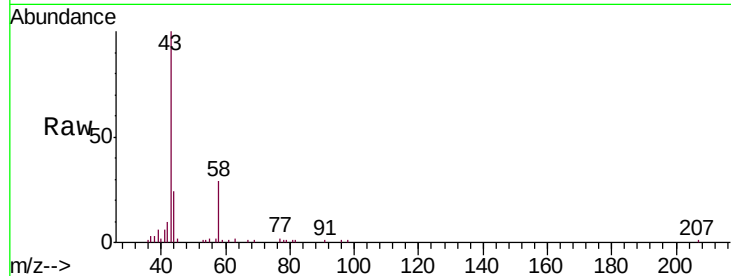
VSTD00568

Tgt Ion: 43 Resp: 34618

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.2



#14

Carbon disulfide

Concen: 6.213 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007598.D

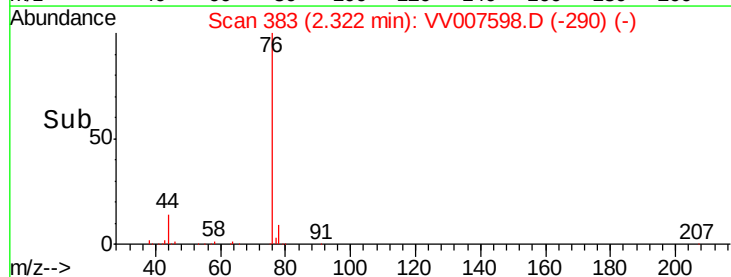
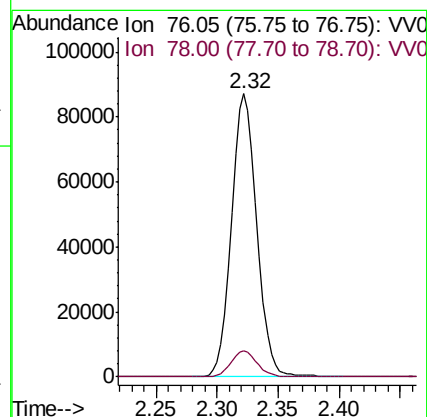
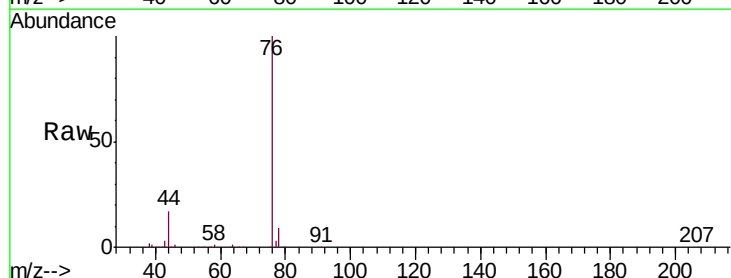
Acq: 18 Sep 2018 12:08

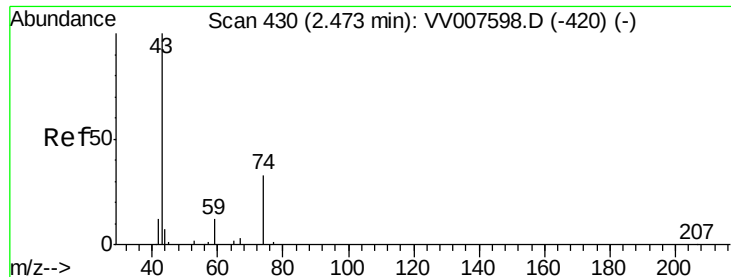
Tgt Ion: 76 Resp: 126855

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

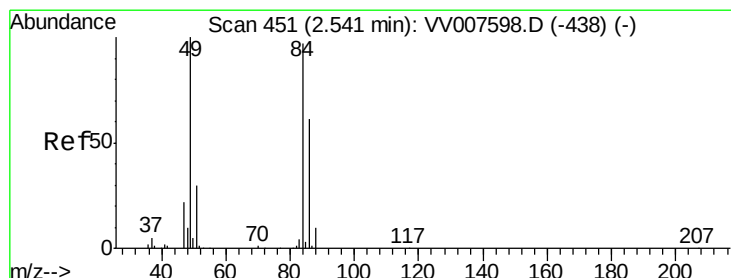
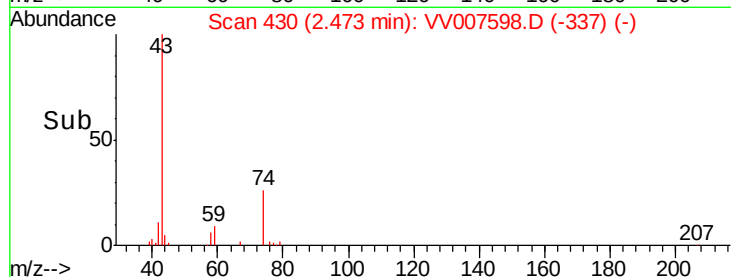
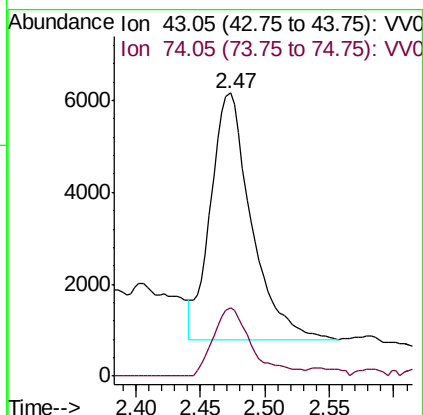
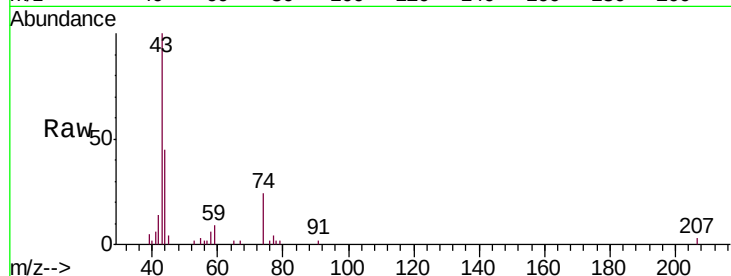




#15
Methyl Acetate
Concen: 6.483 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

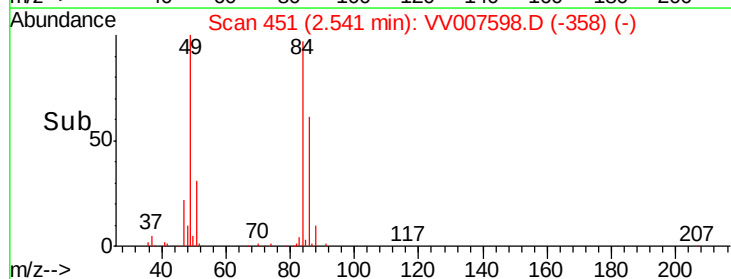
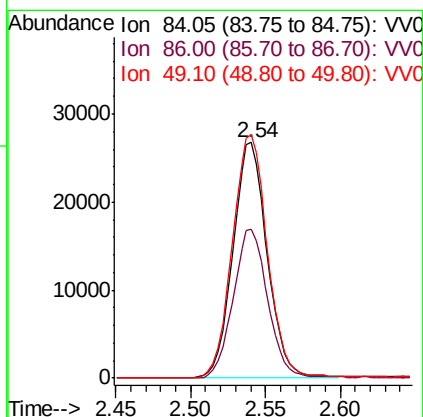
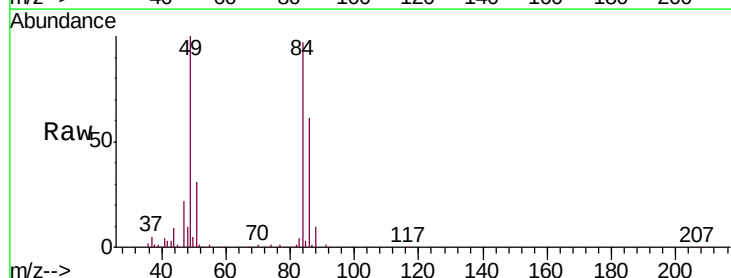
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

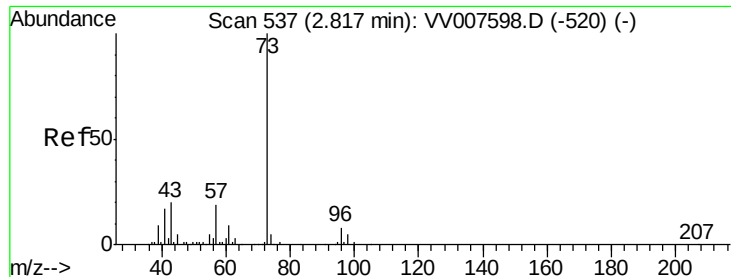
Tgt Ion: 43 Resp: 11819
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 5.657 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Tgt Ion: 84 Resp: 42685
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.4
49 103.3 72.3 134.3





#17

Methyl tert-butyl Ether

Concen: 5.743 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampled :

VSTD00568

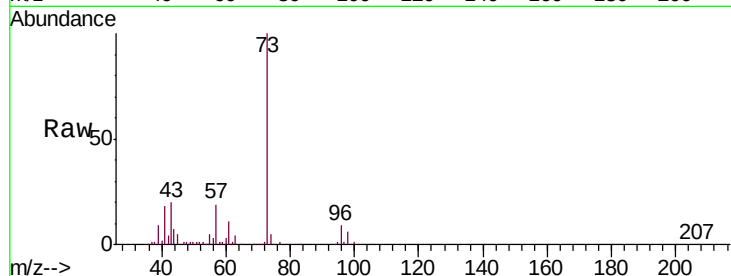
Tgt Ion: 73 Resp: 94436

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.2

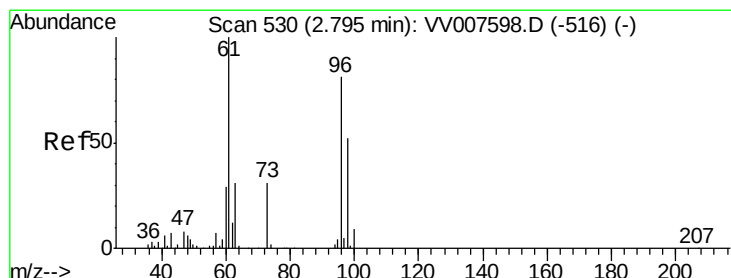
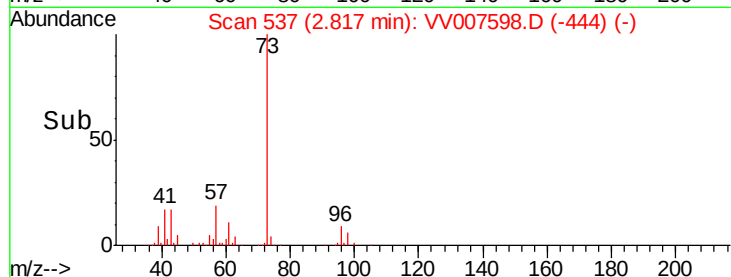
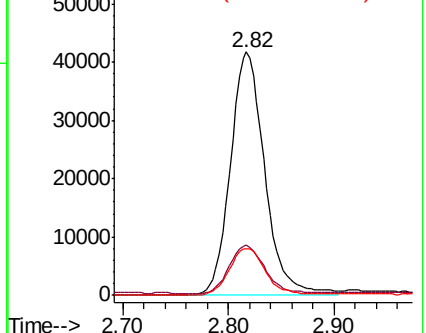
57 20.5 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV007598.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV007598.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV007598.D (-520) (-)



#18

trans-1,2-Dichloroethene

Concen: 6.256 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

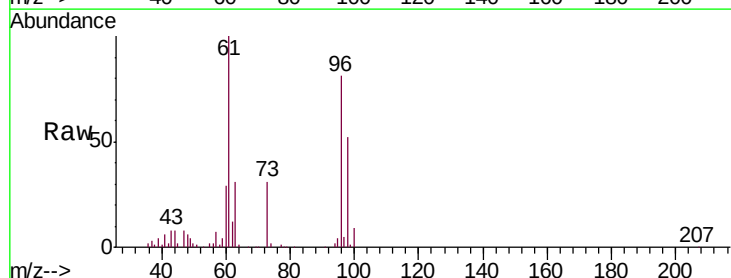
Tgt Ion: 96 Resp: 47366

Ion Ratio Lower Upper

96 100

61 122.8 86.0 159.6

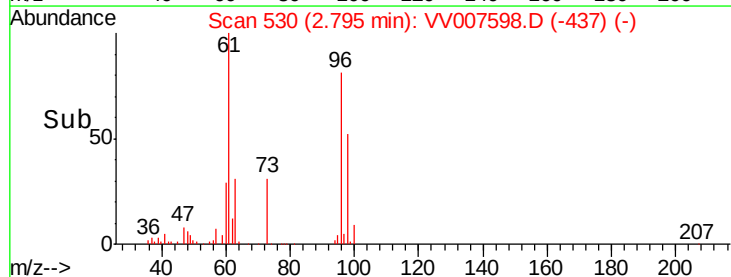
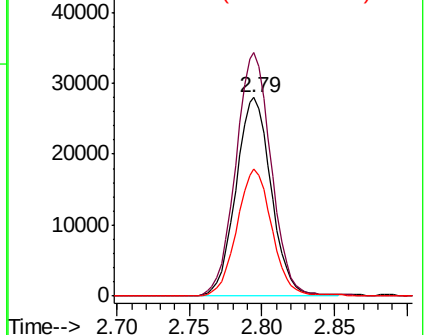
98 64.1 44.9 83.3

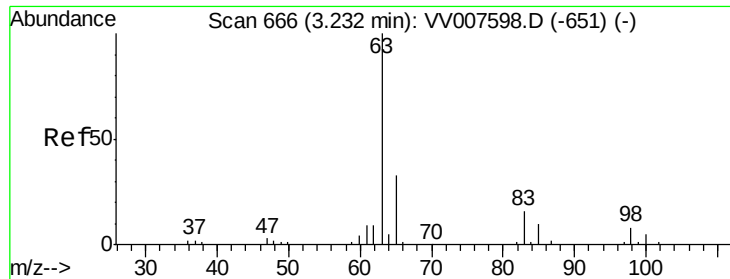


Abundance Ion 96.00 (95.70 to 96.70): VV007598.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV007598.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV007598.D (-516) (-)

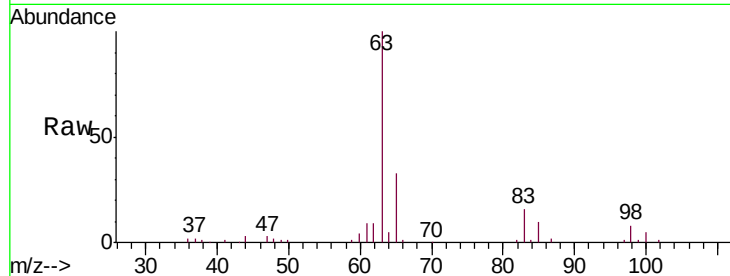




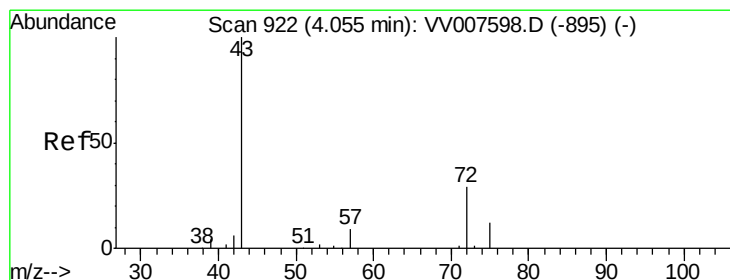
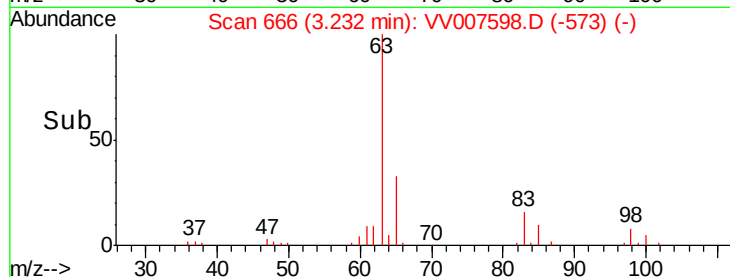
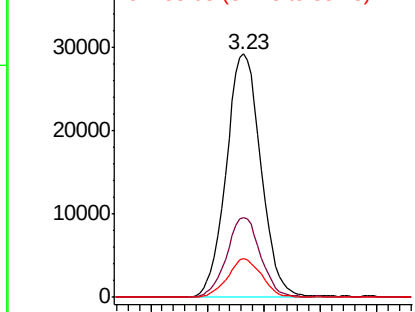
#19
 1,1-Dichloroethane
 Concen: 5.732 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 63 Resp: 62381
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.0 42.8
 83 16.1 11.3 20.9

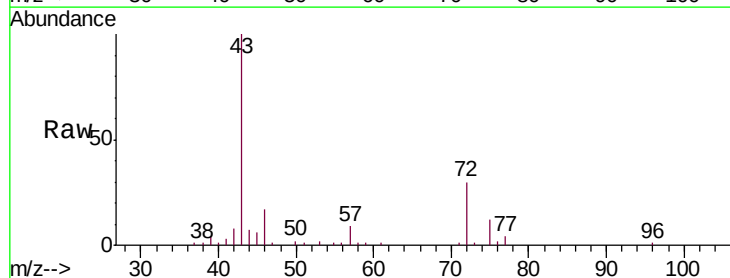


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

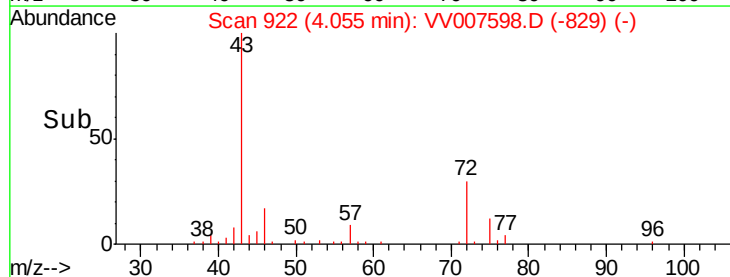
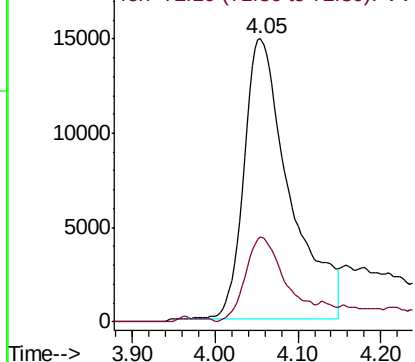


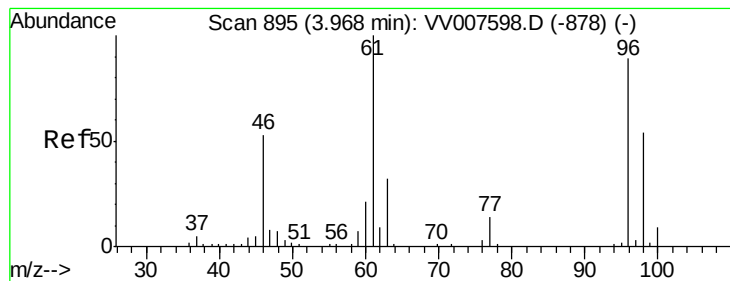
#21
 2-Butanone
 Concen: 53.866 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 43 Resp: 56577
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



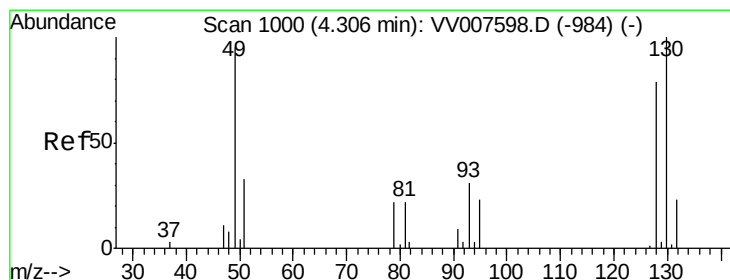
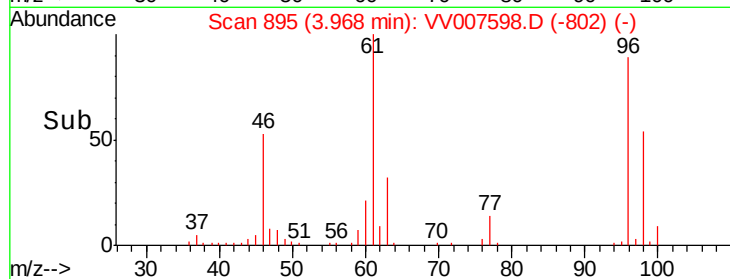
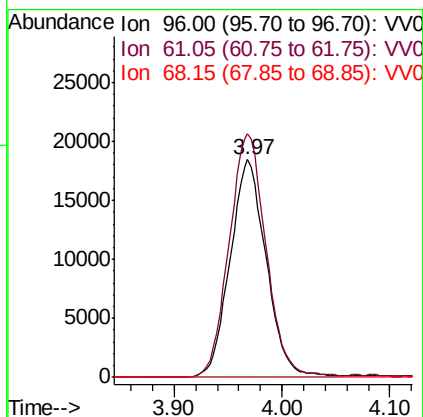
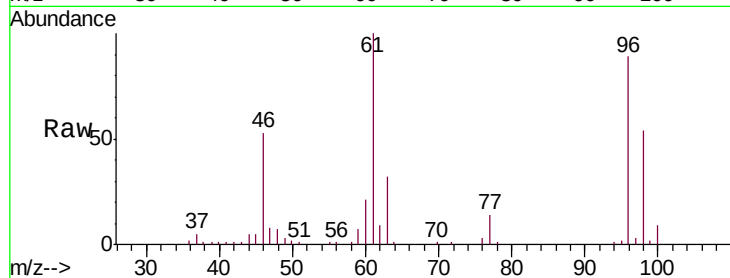


#22

cis-1,2-Dichloroethene
 Concen: 5.839 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

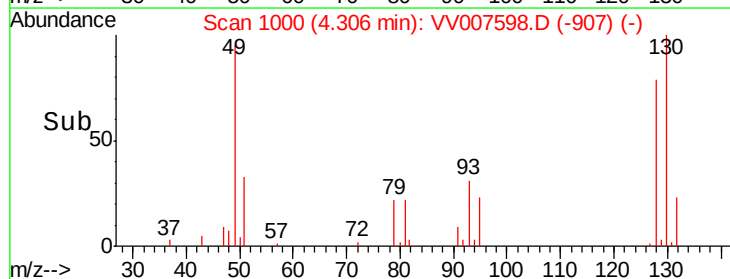
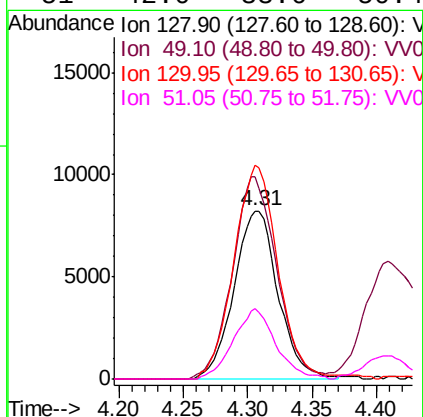
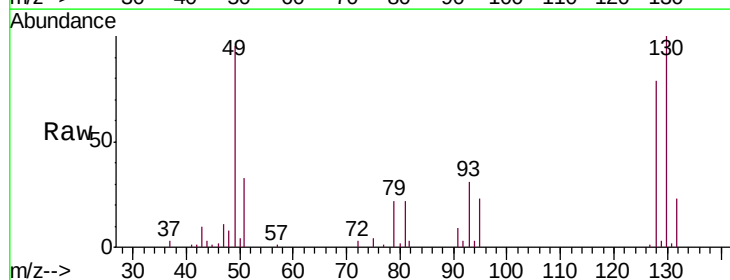
Tgt Ion: 96 Resp: 43069
 Ion Ratio Lower Upper
 96 100
 61 112.0 78.4 145.6
 68 0.0 0.0 0.0

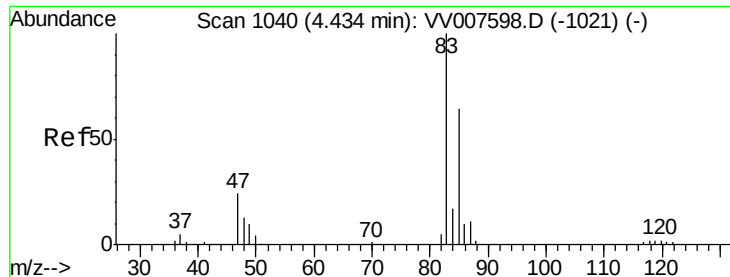


#23

Bromochloromethane
 Concen: 6.027 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 128 Resp: 19553
 Ion Ratio Lower Upper
 128 100
 49 120.2 84.1 156.3
 130 127.0 88.9 165.1
 51 42.0 33.6 50.4

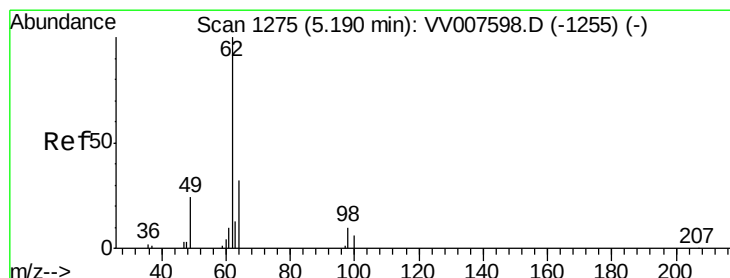
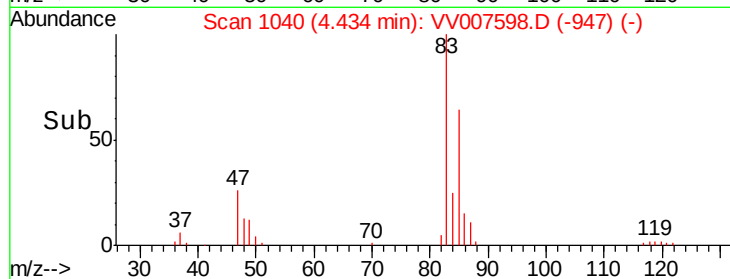
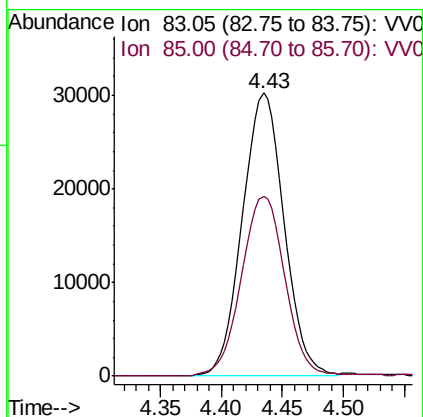
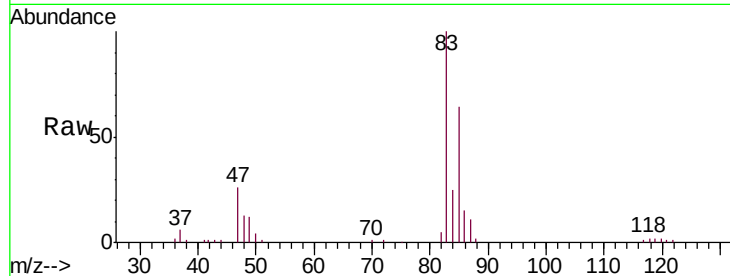




#25
Chloroform
Concen: 5.756 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

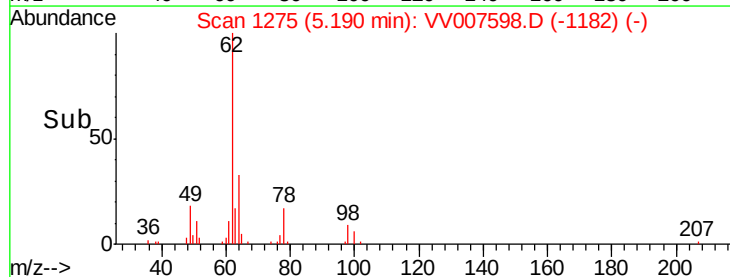
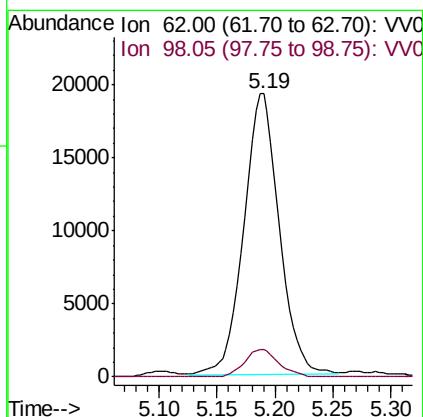
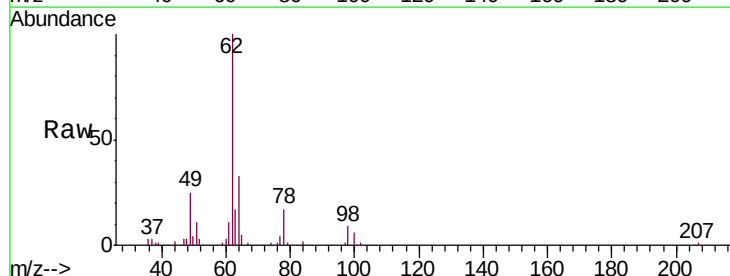
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

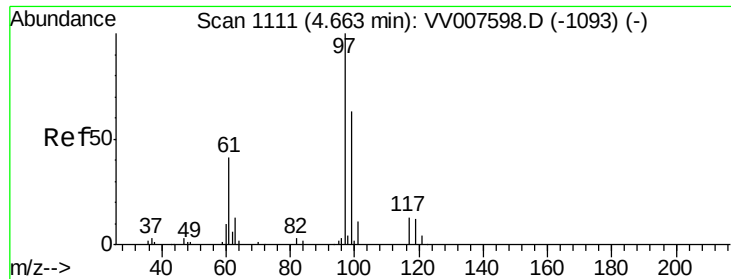
Tgt Ion: 83 Resp: 71696
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7



#27
1,2-Dichloroethane
Concen: 5.802 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Tgt Ion: 62 Resp: 41265
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

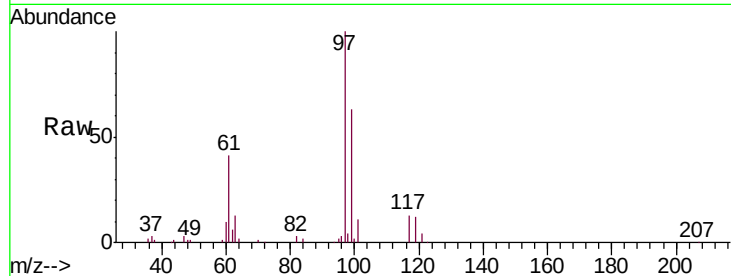




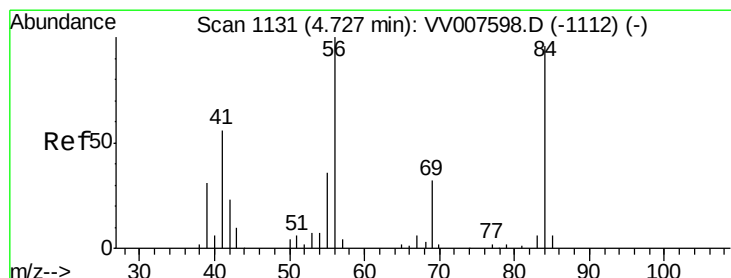
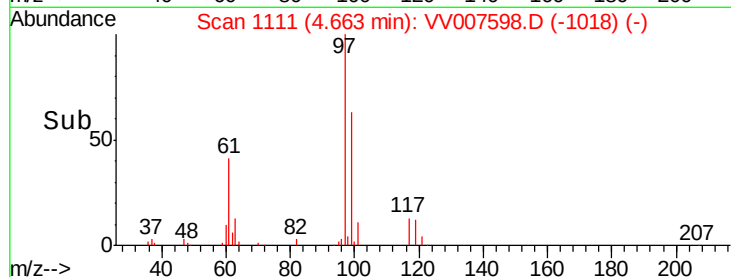
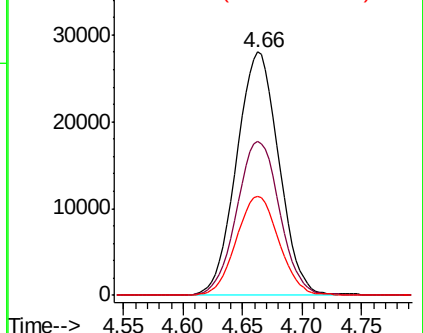
#29
 1,1,1-Trichloroethane
 Concen: 5.755 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 97 Resp: 69201
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.0
 61 41.1 32.9 49.3

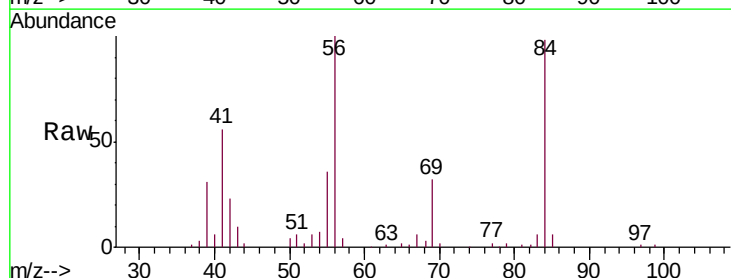


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

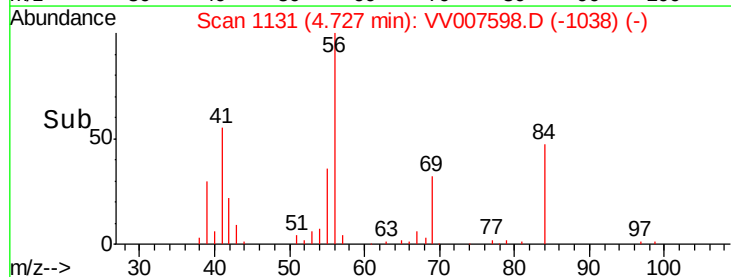
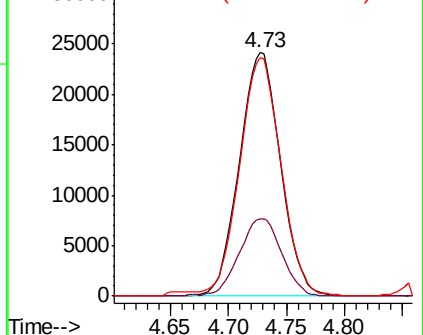


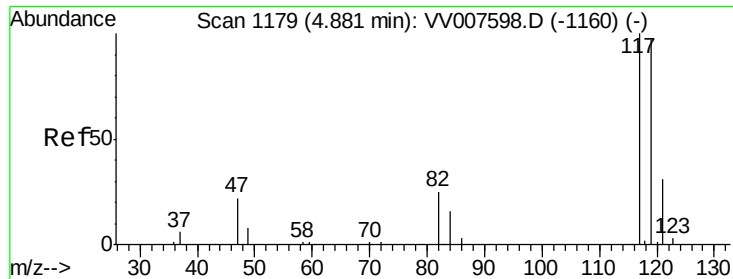
#30
 Cyclohexane
 Concen: 5.693 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 56 Resp: 59474
 Ion Ratio Lower Upper
 56 100
 69 32.6 26.1 39.1
 84 98.9 79.1 118.7



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.759 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

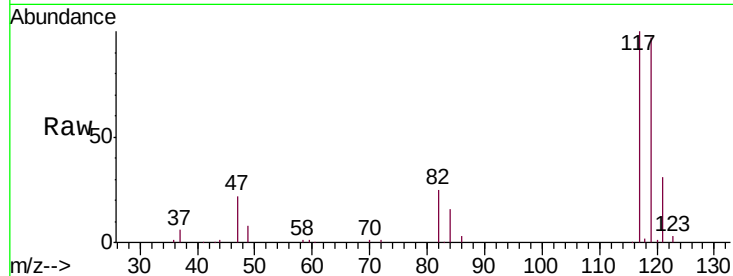
VSTD00568

Tgt Ion:117 Resp: 65018

Ion Ratio Lower Upper

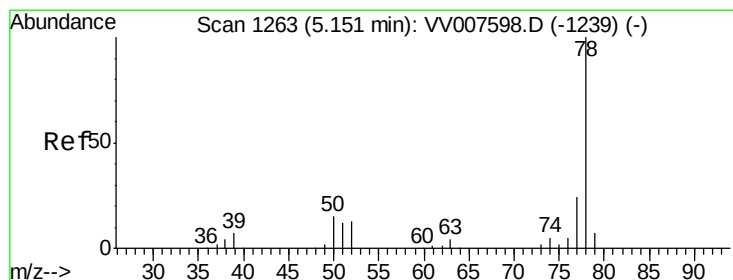
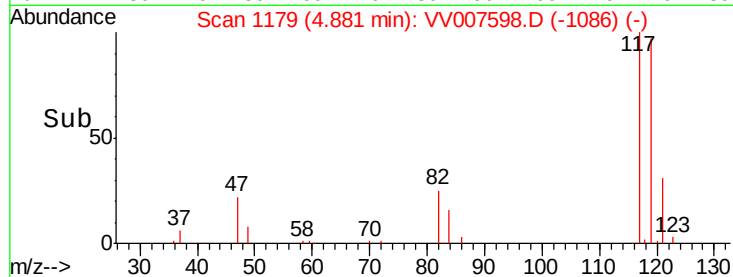
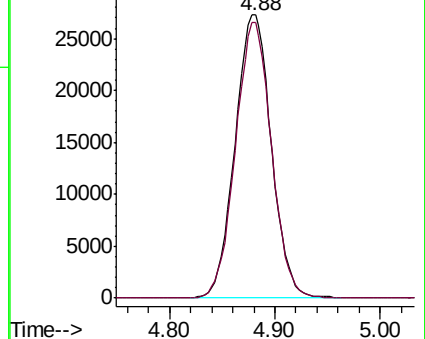
117 100

119 96.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.876 ug/L

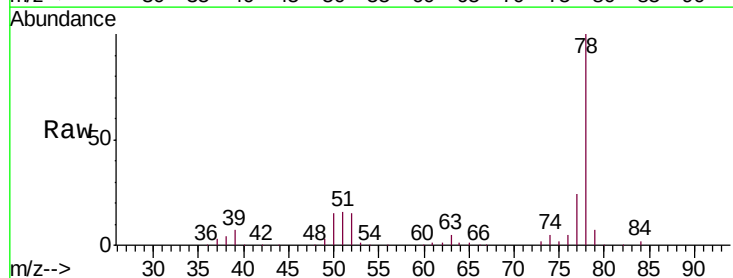
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Tgt Ion: 78 Resp: 150587



Abundance Ion 78.10 (77.80 to 78.80): VV0

80000

60000

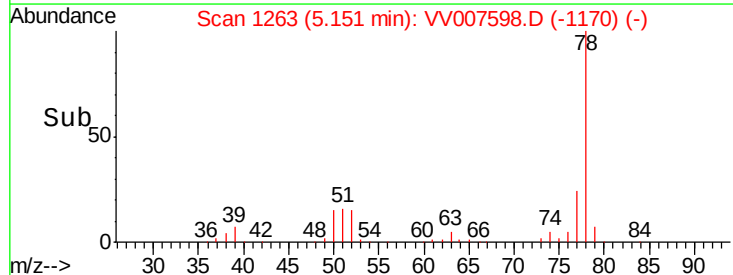
40000

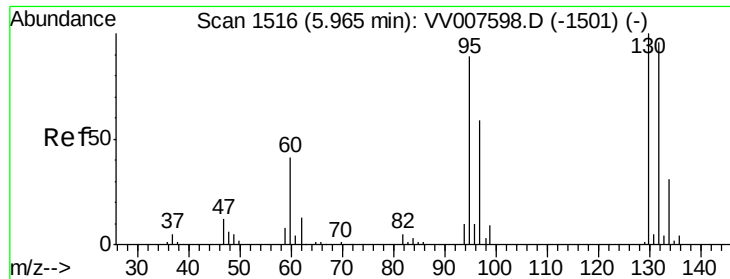
20000

0

Time-->

Chromatogram showing abundance versus time (5.00 to 5.20 min). A single sharp peak is labeled at 5.15 min.





#34

Trichloroethene

Concen: 6.081 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

Tgt Ion: 95 Resp: 48218

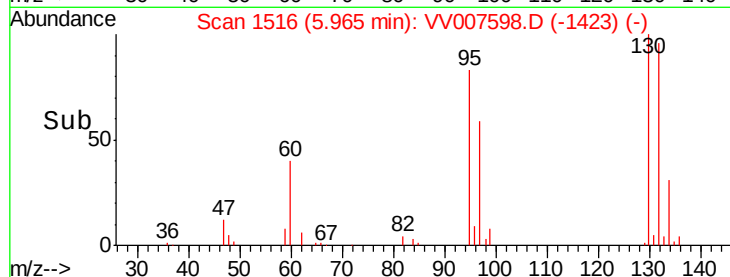
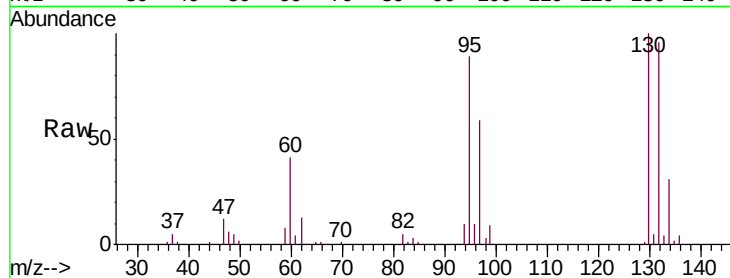
Ion Ratio Lower Upper

95 100

97 66.5 46.5 86.5

132 107.9 75.5 140.3

130 112.6 78.8 146.4

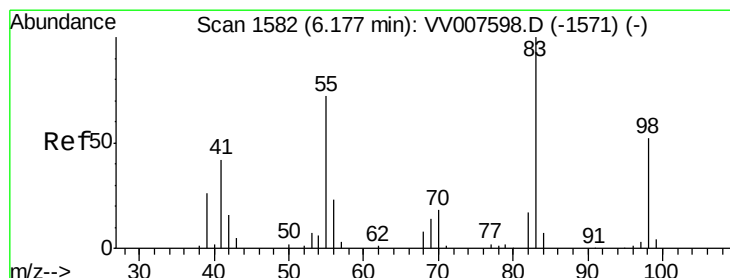
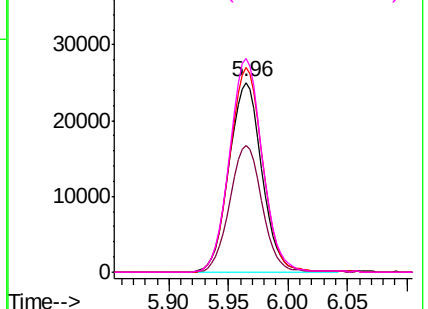


Abundance Ion 95.00 (94.70 to 95.70): VV007598.D (-1423) (-)

Ion 96.95 (96.65 to 97.65): VV007598.D (-1423) (-)

Ion 131.95 (131.65 to 132.65): VV007598.D (-1423) (-)

Ion 129.95 (129.65 to 130.65): VV007598.D (-1423) (-)



#35

Methylcyclohexane

Concen: 6.054 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

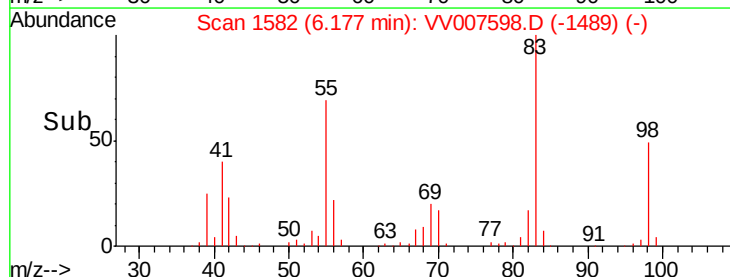
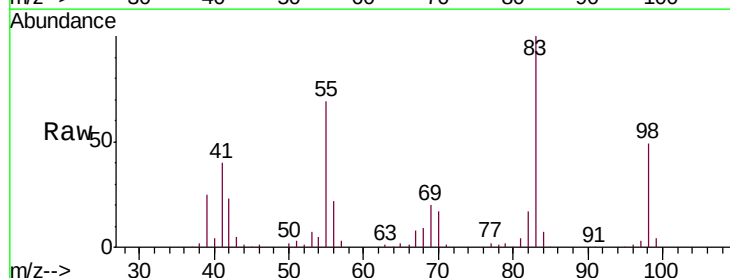
Tgt Ion: 83 Resp: 73575

Ion Ratio Lower Upper

83 100

55 68.3 54.6 82.0

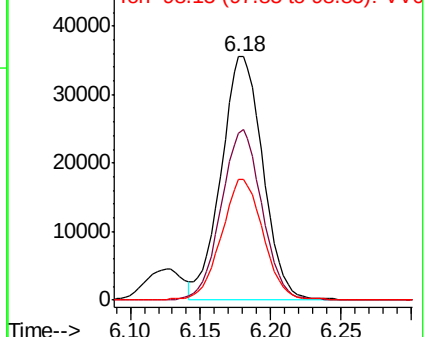
98 49.7 39.8 59.6

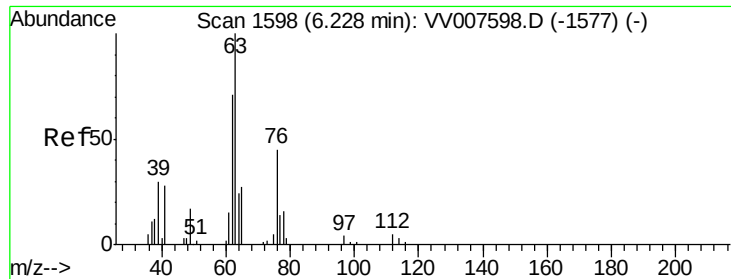


Abundance Ion 83.15 (82.85 to 83.85): VV007598.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV007598.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV007598.D (-1489) (-)

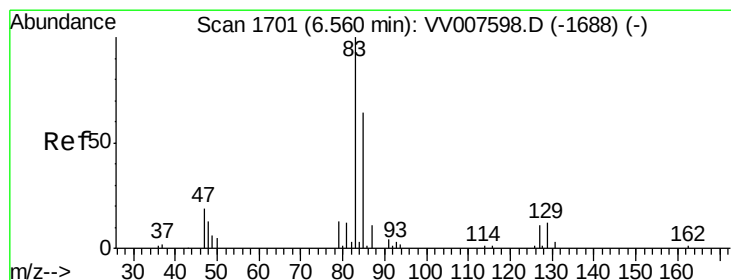
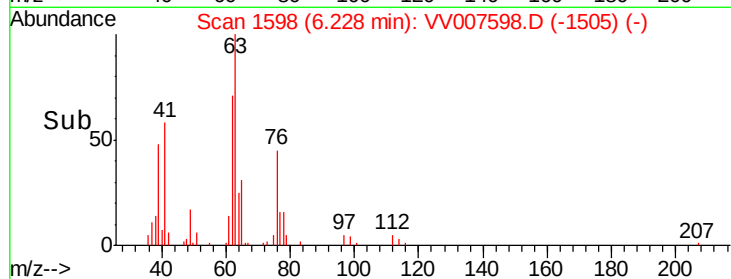
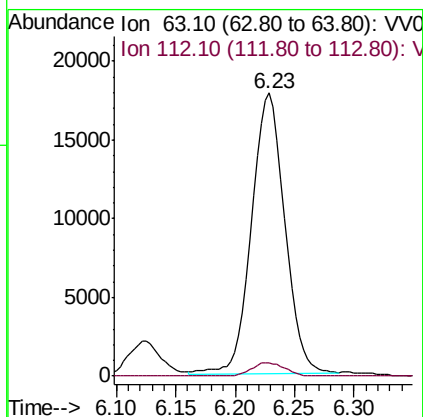
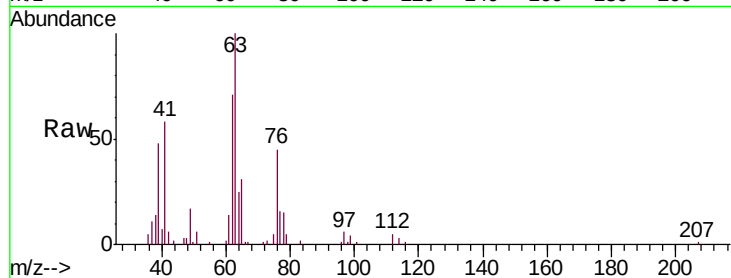




#37
 1,2-Dichloropropane
 Concen: 5.523 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

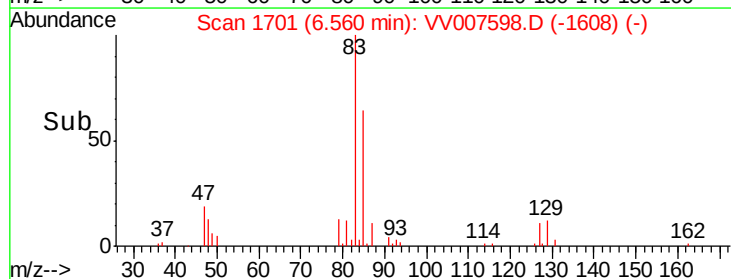
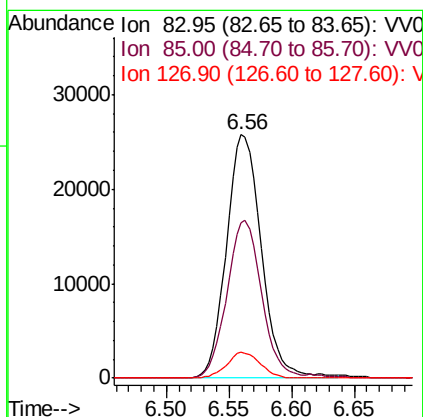
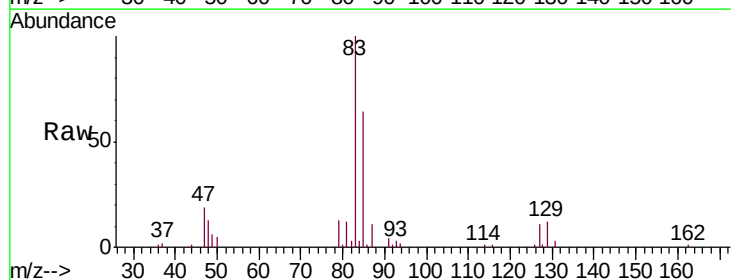
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

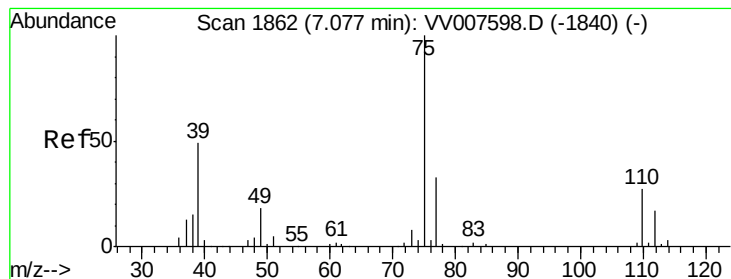
Tgt Ion: 63 Resp: 34547
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.538 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 83 Resp: 49875
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 10.7 8.6 12.8



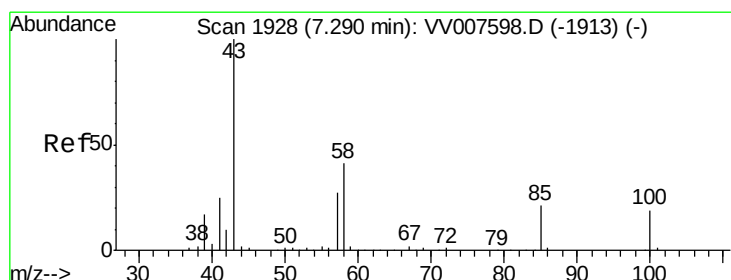
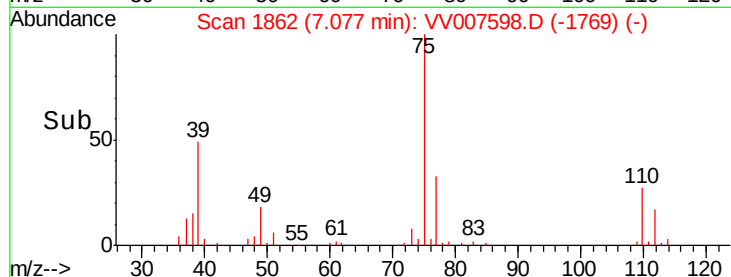
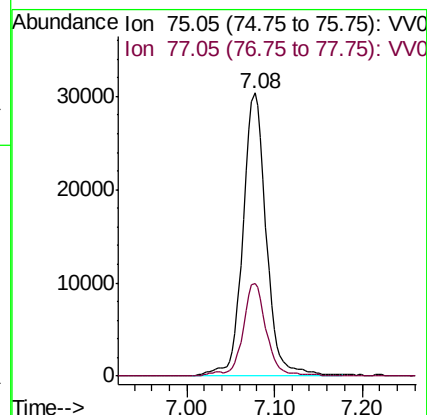
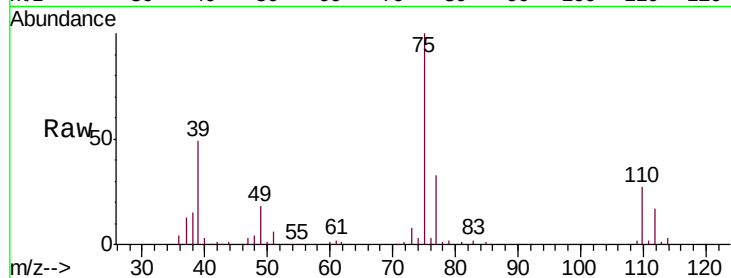


#39

cis-1,3-Dichloropropene
 Concen: 5.711 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

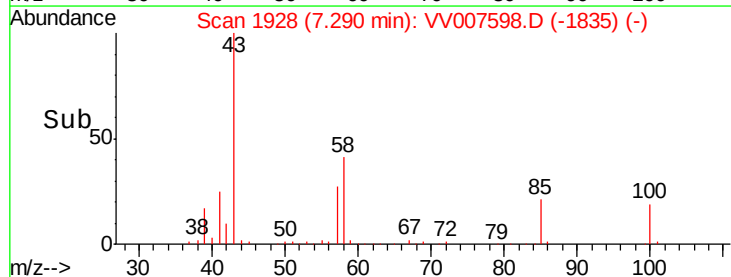
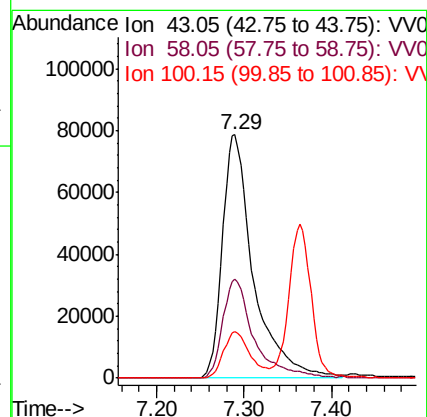
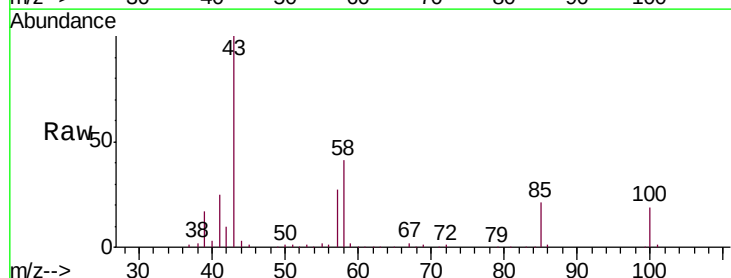
Tgt Ion: 75 Resp: 56597
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.0 42.8

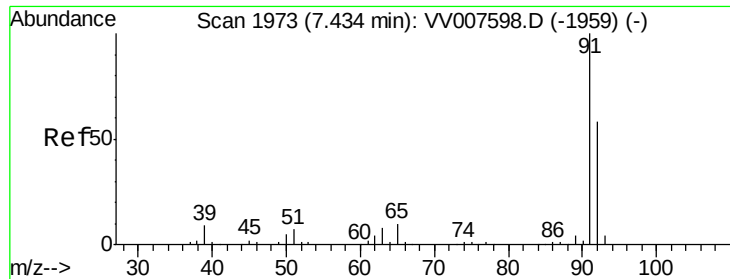


#40

4-Methyl-2-pentanone
 Concen: 56.789 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 43 Resp: 194372
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 49.0
 100 16.4 13.1 19.7





#42

Toluene

Concen: 5.867 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampled :

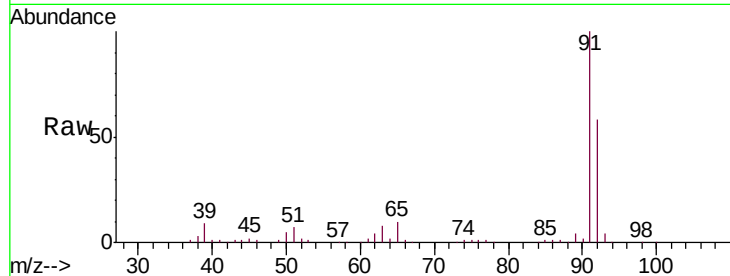
VSTD00568

Tgt Ion: 91 Resp: 173302

Ion Ratio Lower Upper

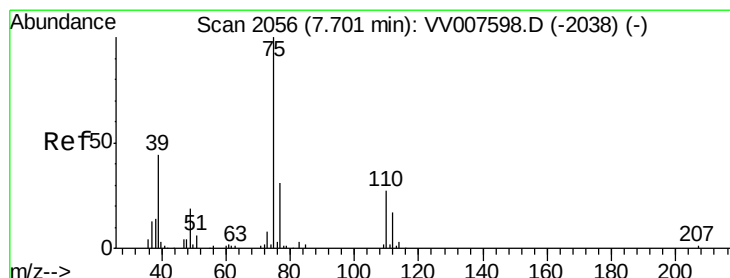
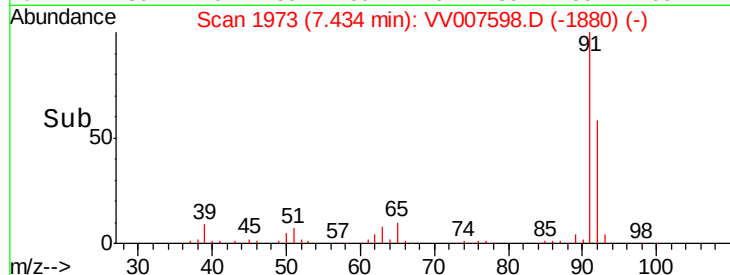
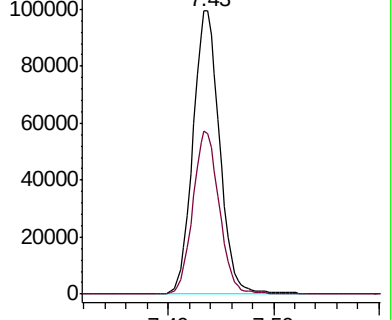
91 100

92 57.6 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007598.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007598.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.611 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007598.D

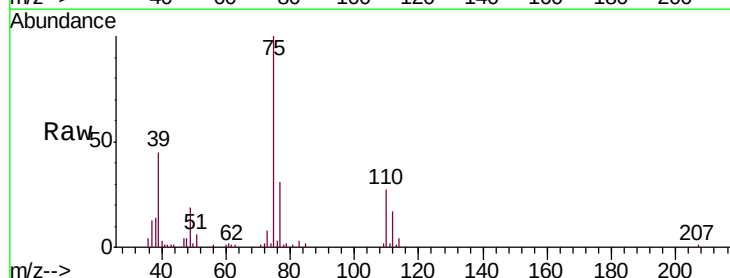
Acq: 18 Sep 2018 12:08

Tgt Ion: 75 Resp: 45650

Ion Ratio Lower Upper

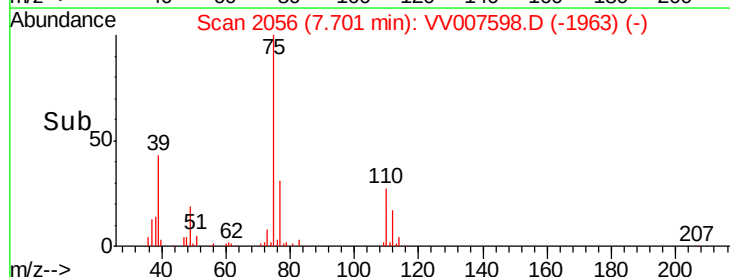
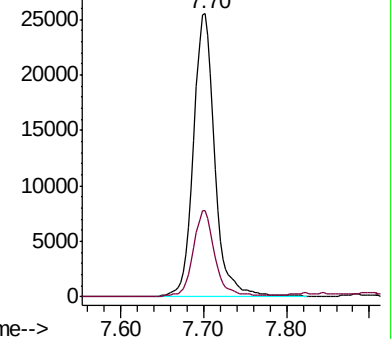
75 100

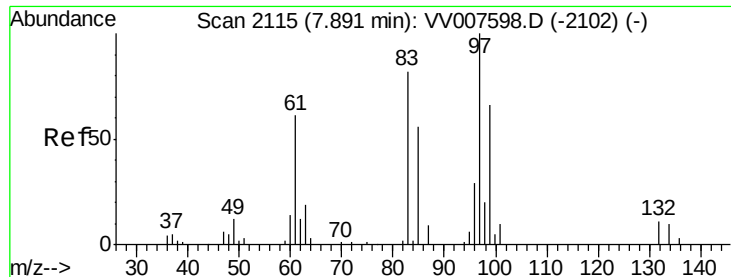
77 30.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007598.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007598.D (-2038) (-)

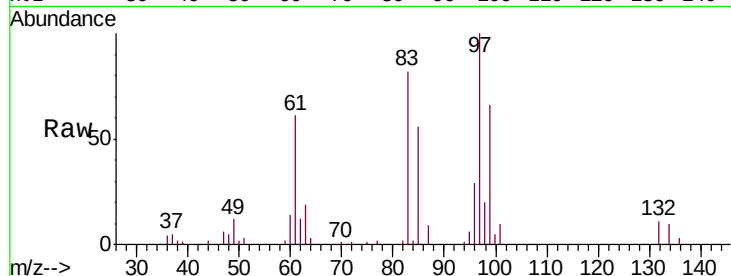




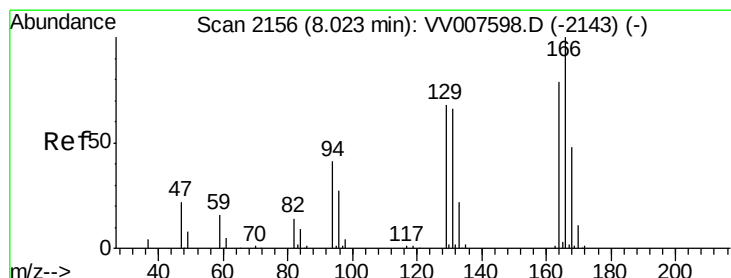
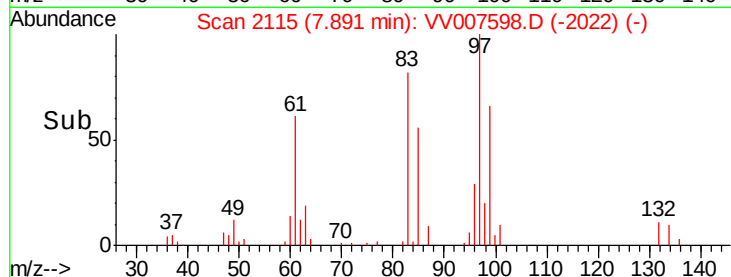
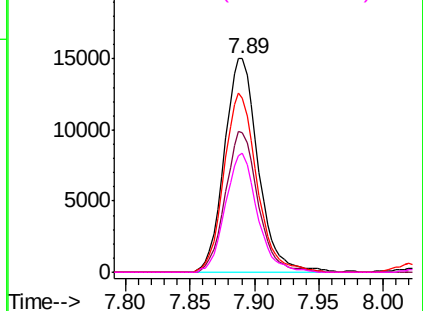
#45
 1,1,2-Trichloroethane
 Concen: 5.829 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	97	Resp:	27378
Ion	Ratio	Lower	Upper
97	100		
99	65.6	45.9	85.3
83	81.7	57.2	106.2
85	55.6	38.9	72.3

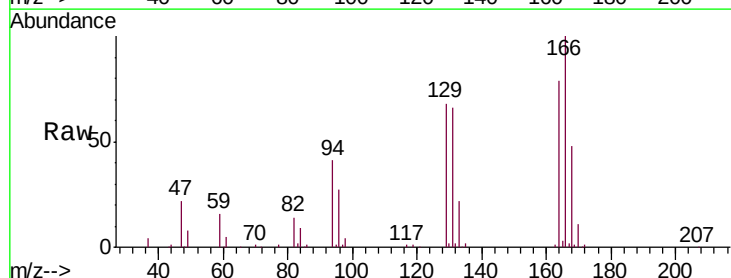


Abundance Ion 96.95 (96.65 to 97.65): VV007598.D (-2102) (-)
 Ion 99.05 (98.75 to 99.75): VV007598.D (-2102) (-)
 Ion 82.95 (82.65 to 83.65): VV007598.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV007598.D (-2102) (-)

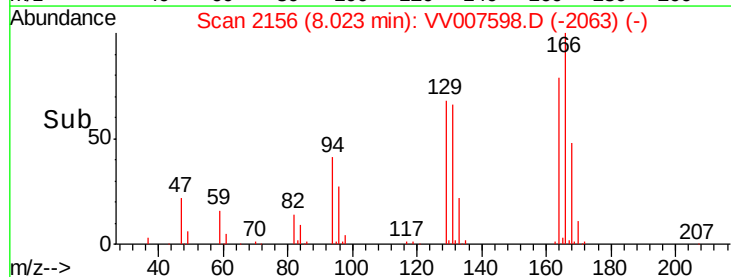
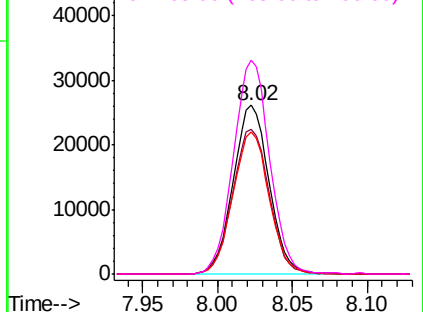


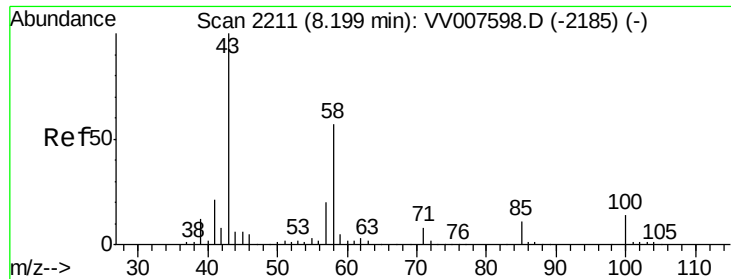
#47
 Tetrachloroethene
 Concen: 6.122 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion:	164	Resp:	43680
Ion	Ratio	Lower	Upper
164	100		
129	85.7	60.0	111.4
131	84.0	58.8	109.2
166	126.5	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VV007598.D (-2143) (-)
 Ion 128.95 (128.65 to 129.65): VV007598.D (-2143) (-)
 Ion 130.95 (130.65 to 131.65): VV007598.D (-2143) (-)
 Ion 165.90 (165.60 to 166.60): VV007598.D (-2143) (-)

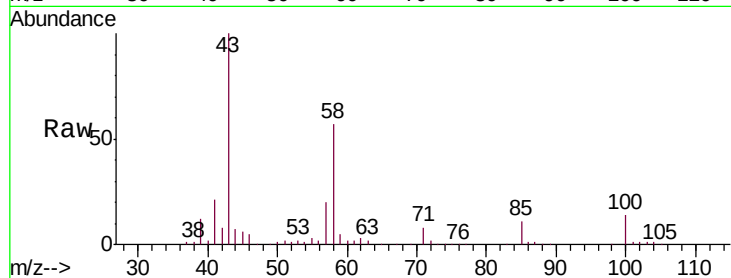




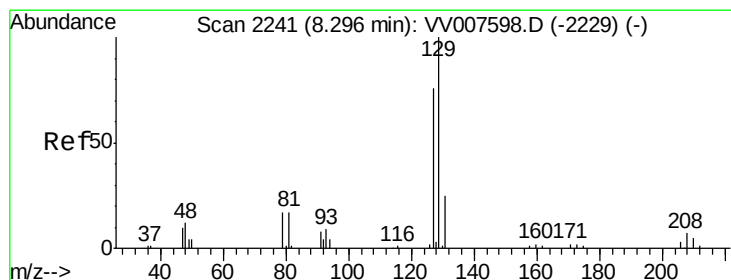
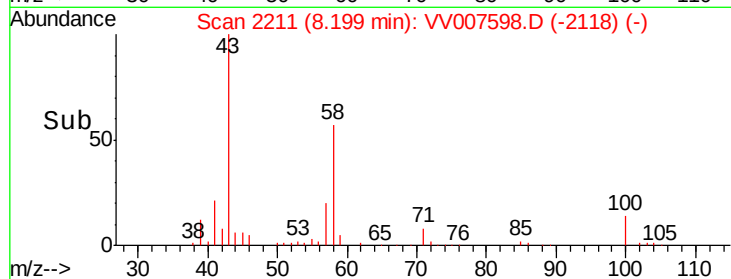
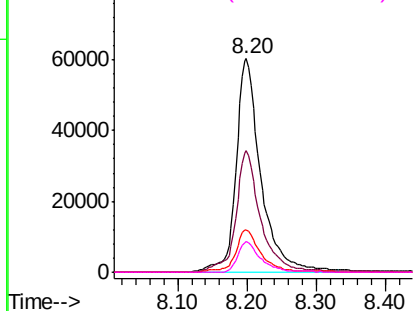
#48
2-Hexanone
Concen: 56.583 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 43 Resp: 149705
Ion Ratio Lower Upper
43 100
58 56.9 45.5 68.3
57 20.4 16.3 24.5
100 13.4 10.7 16.1

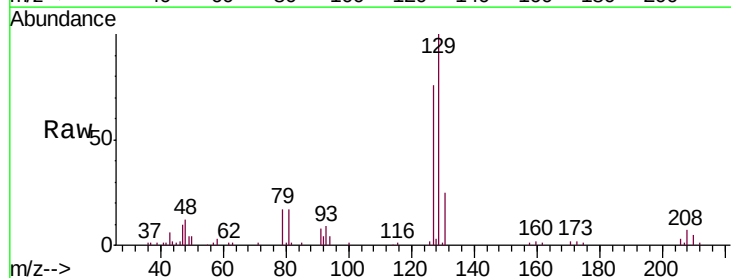


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

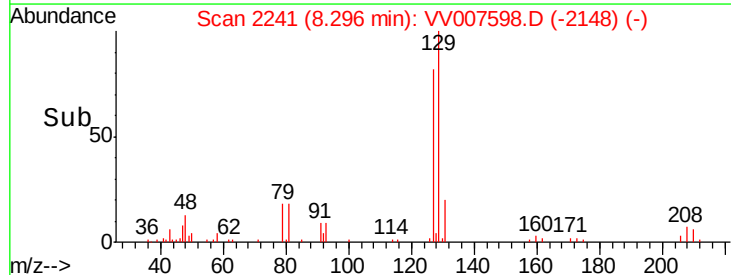
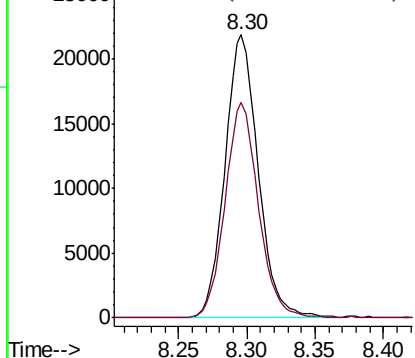


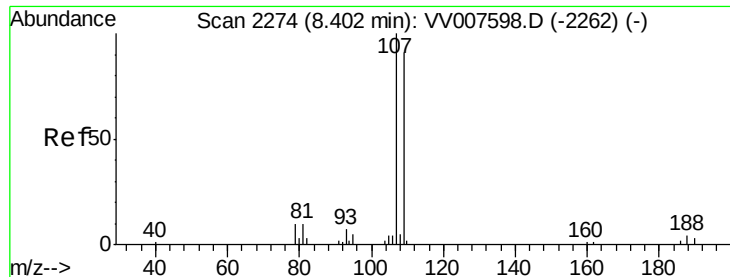
#49
Dibromochloromethane
Concen: 5.612 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Tgt Ion: 129 Resp: 37050
Ion Ratio Lower Upper
129 100
127 76.1 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

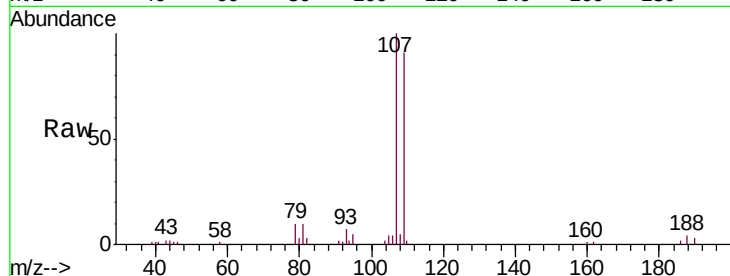




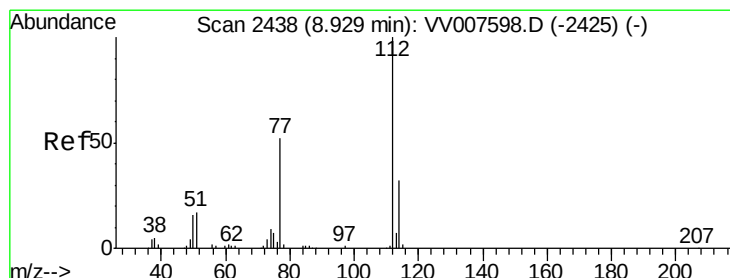
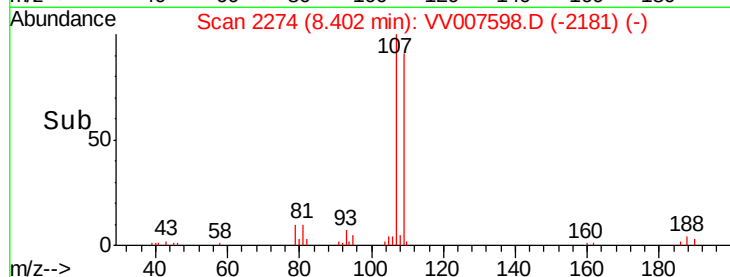
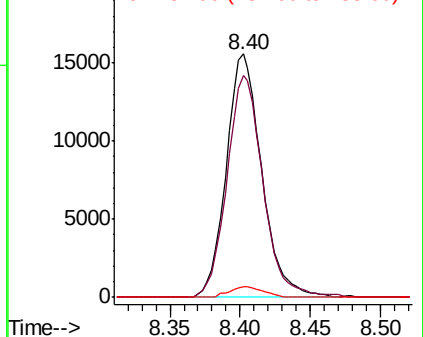
#50
1,2-Dibromoethane
Concen: 5.990 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:107 Resp: 27322
Ion Ratio Lower Upper
107 100
109 91.2 63.8 118.6
188 4.5 3.6 5.4

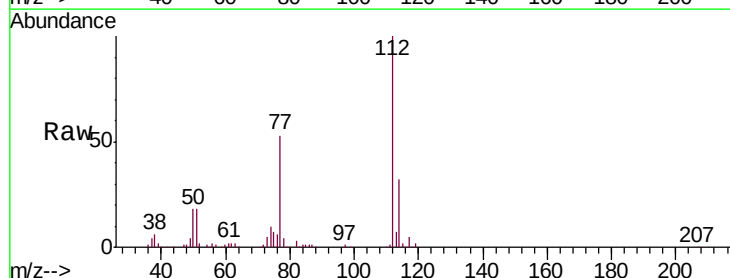


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

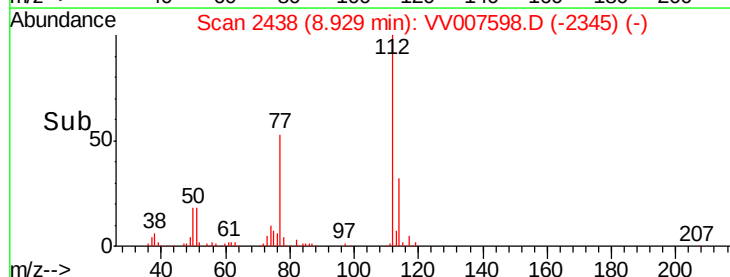
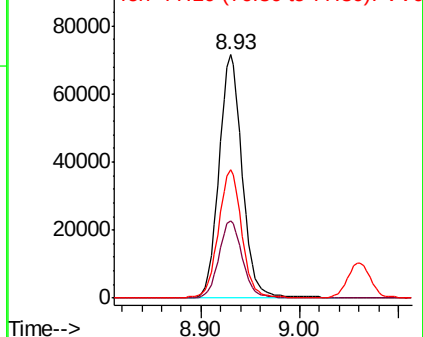


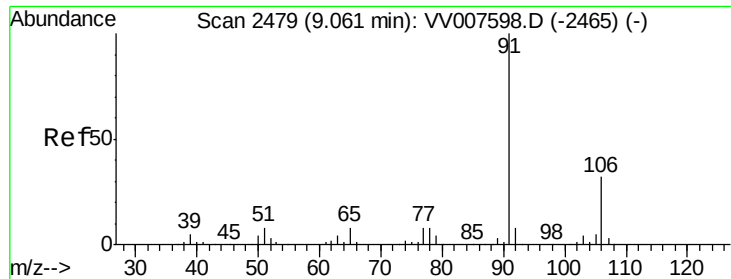
#51
Chlorobenzene
Concen: 5.947 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Tgt Ion:112 Resp: 118550
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 52.5 42.0 63.0



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: 5.894 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

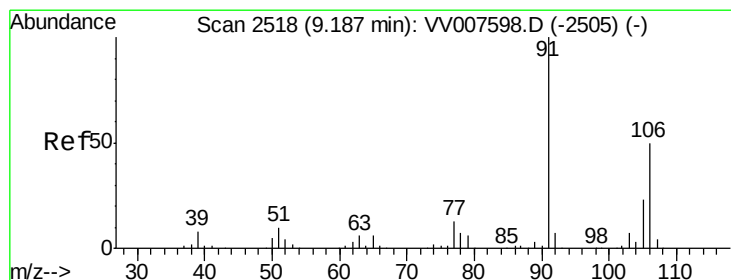
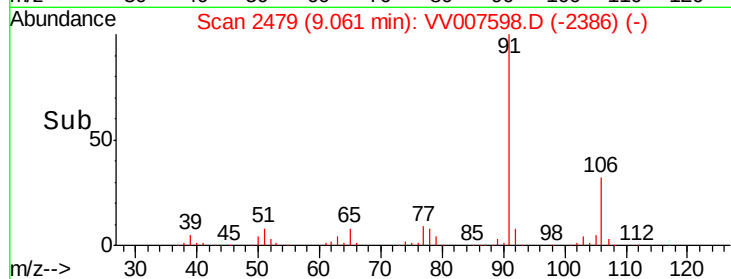
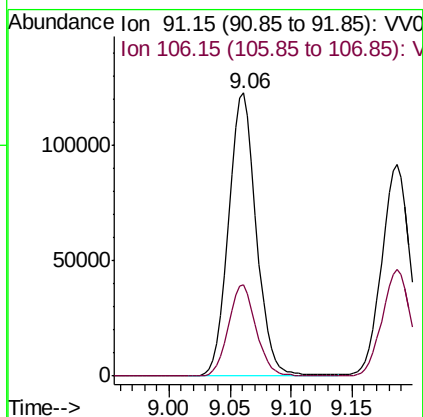
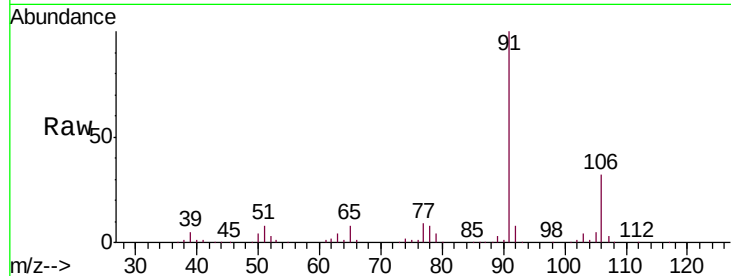
VSTD00568

Tgt Ion: 91 Resp: 195384

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#53

m,p-xylene

Concen: 5.939 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007598.D

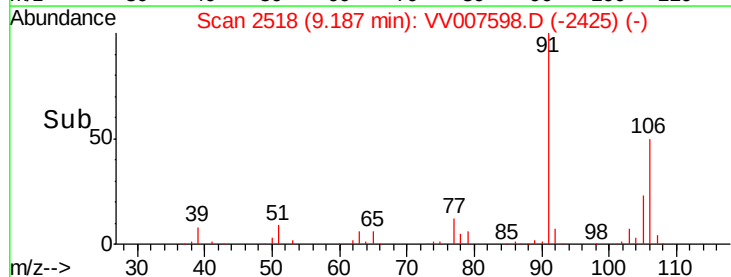
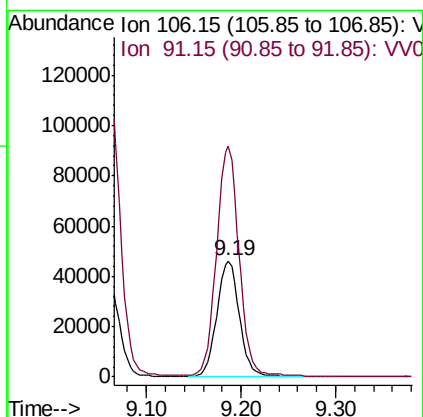
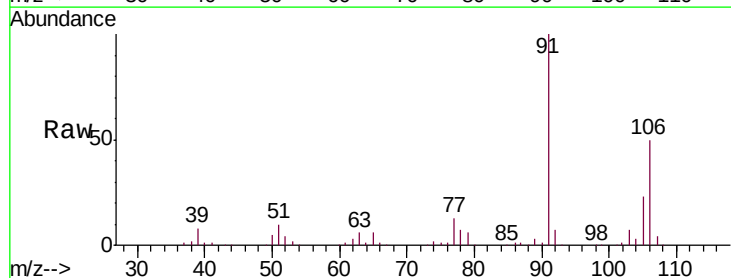
Acq: 18 Sep 2018 12:08

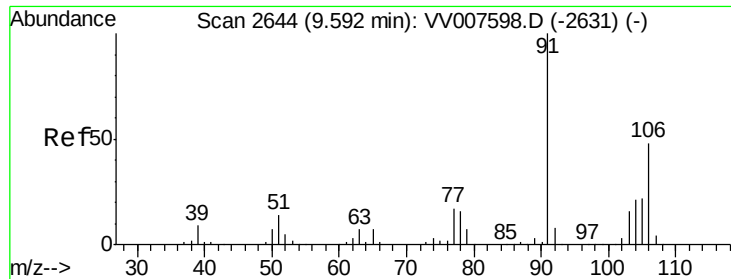
Tgt Ion: 106 Resp: 76415

Ion Ratio Lower Upper

106 100

91 199.1 139.4 258.8

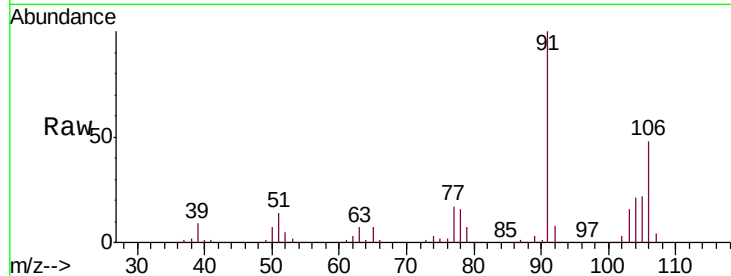




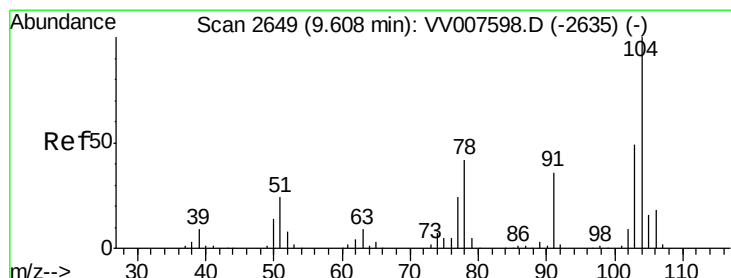
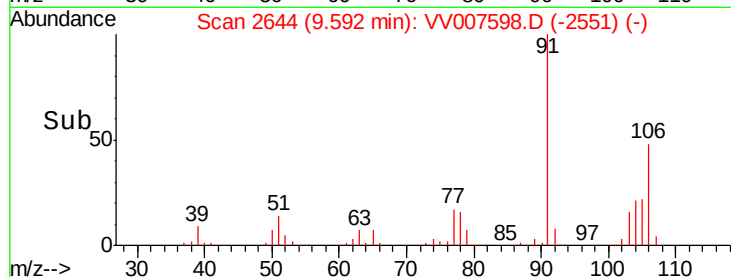
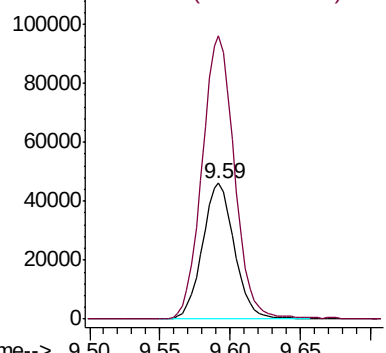
#54
o-xylene
Concen: 5.831 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:106 Resp: 73163
Ion Ratio Lower Upper
106 100
91 208.5 145.9 271.1

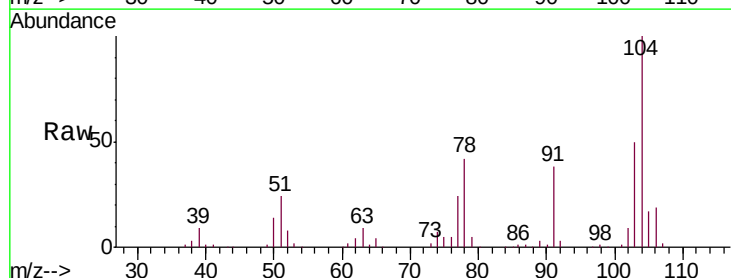


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

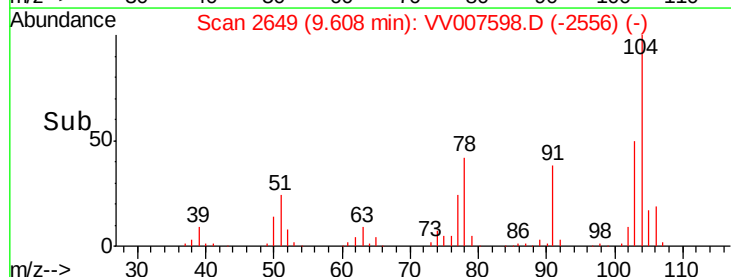
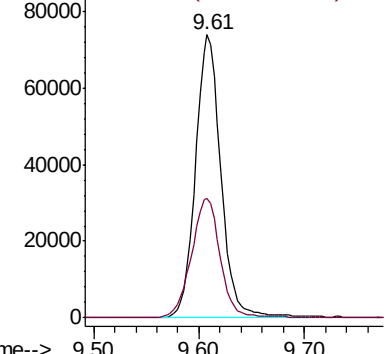


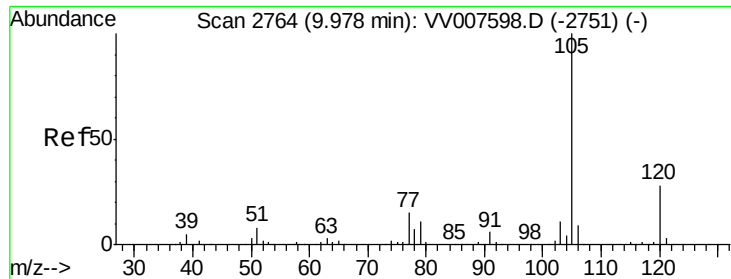
#55
Styrene
Concen: 5.994 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007598.D
Acq: 18 Sep 2018 12:08

Tgt Ion:104 Resp: 123151
Ion Ratio Lower Upper
104 100
78 42.4 29.7 55.1



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





#56

Isopropylbenzene

Concen: 5.936 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

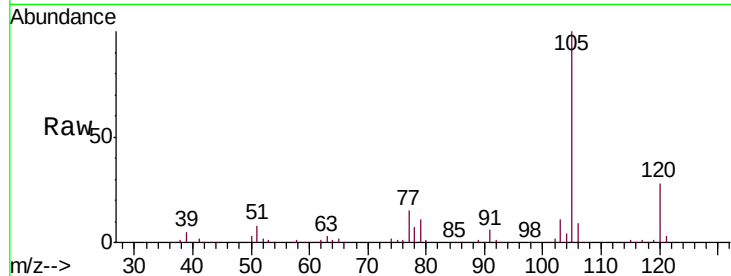
Tgt Ion: 105 Resp: 203591

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

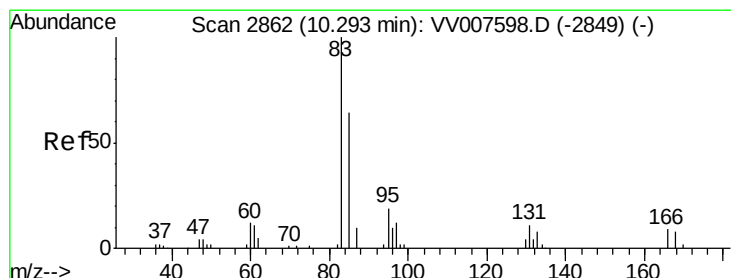
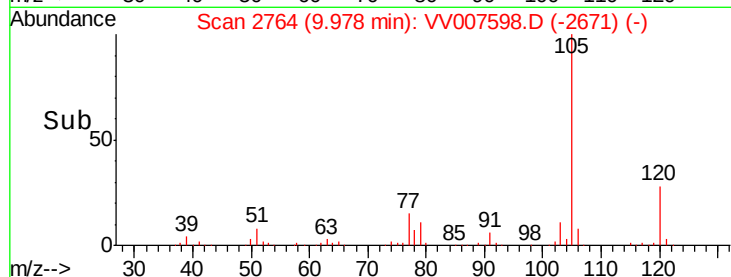
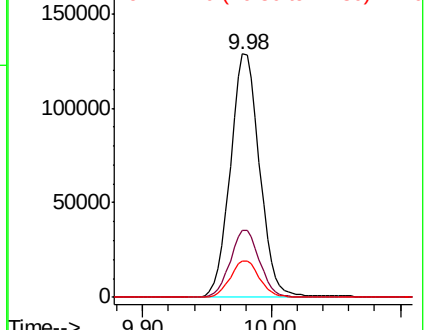
77 15.0 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.696 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

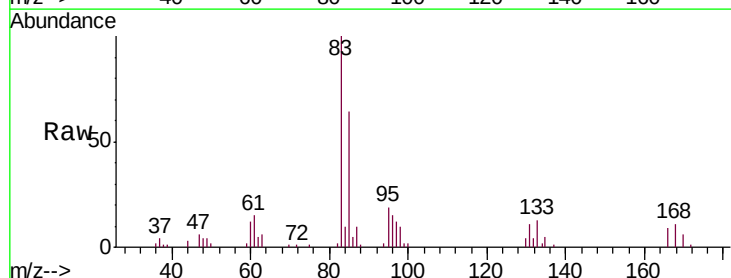
Tgt Ion: 83 Resp: 25716

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

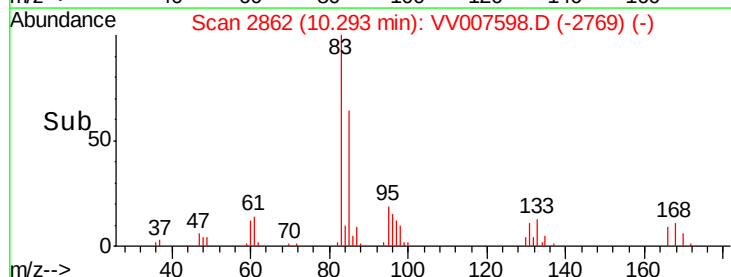
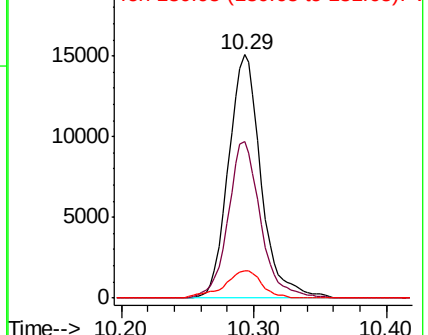
131 11.3 9.0 13.6

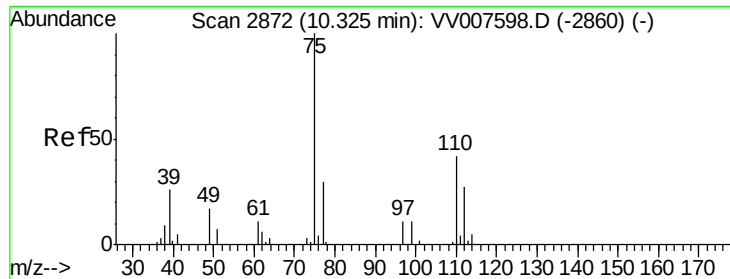


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.932 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

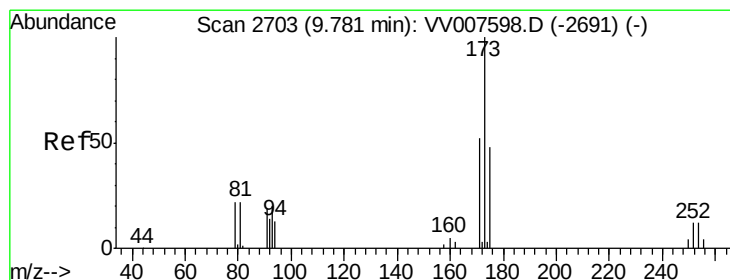
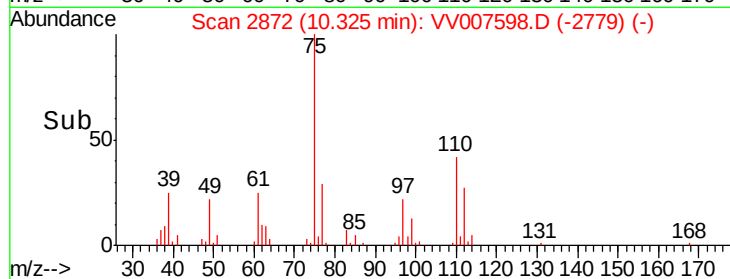
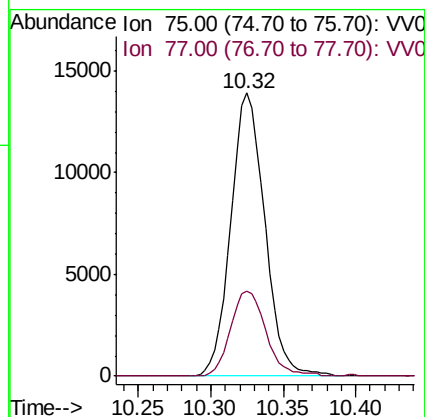
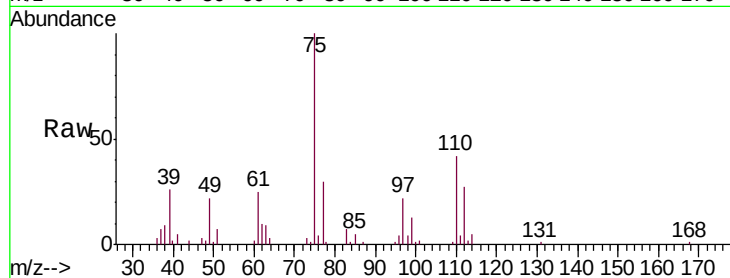
VSTD00568

Tgt Ion: 75 Resp: 22705

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#61

Bromoform

Concen: 5.436 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

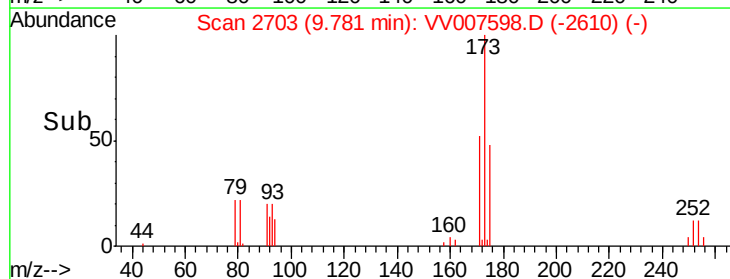
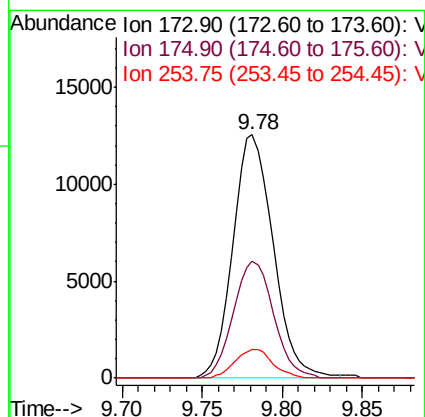
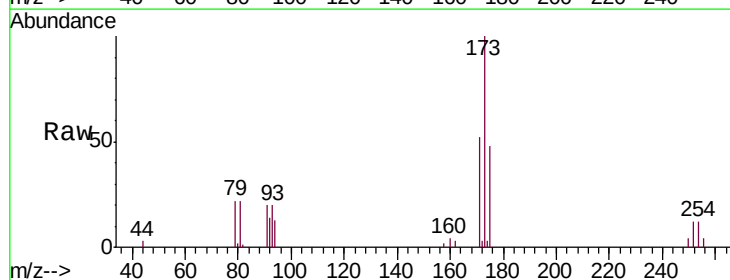
Tgt Ion: 173 Resp: 21530

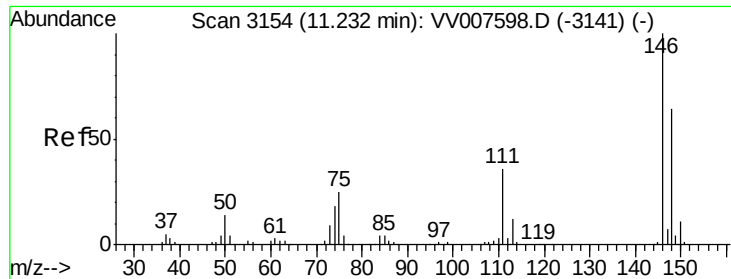
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 11.1 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 6.029 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

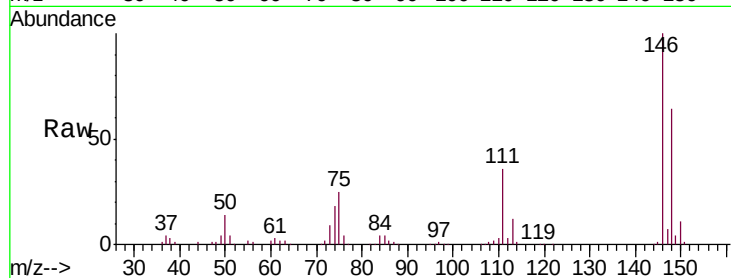
Tgt Ion:146 Resp: 105273

Ion Ratio Lower Upper

146 100

111 35.7 25.0 46.4

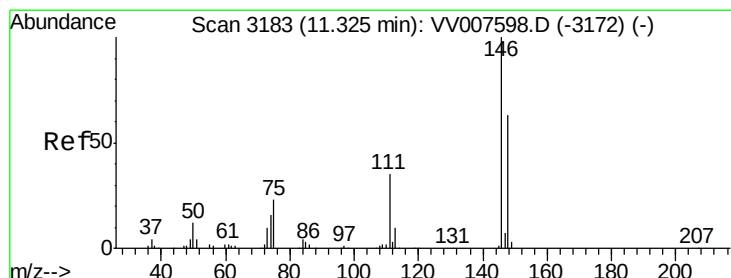
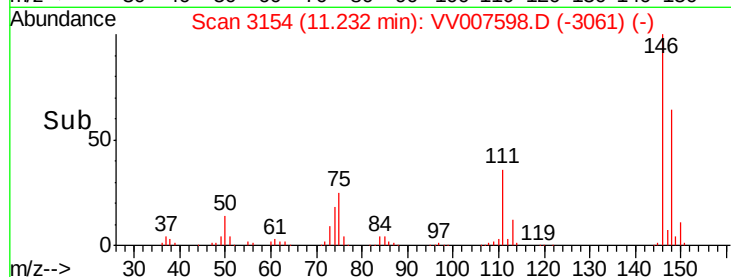
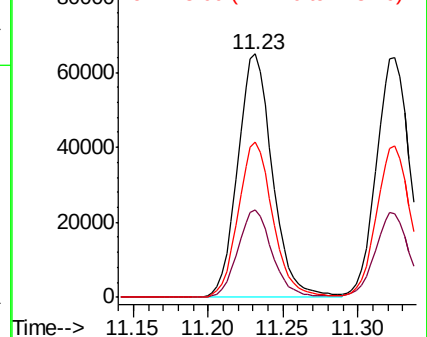
148 63.7 44.6 82.8



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: 5.964 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

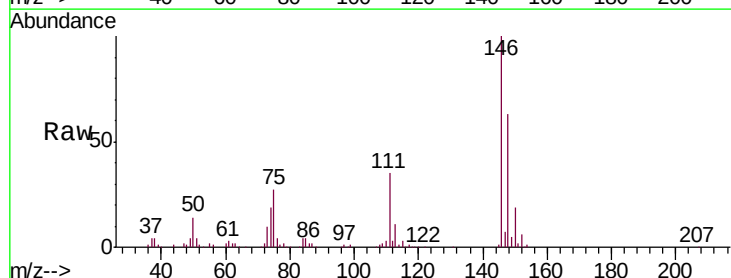
Tgt Ion:146 Resp: 103904

Ion Ratio Lower Upper

146 100

111 35.0 24.5 45.5

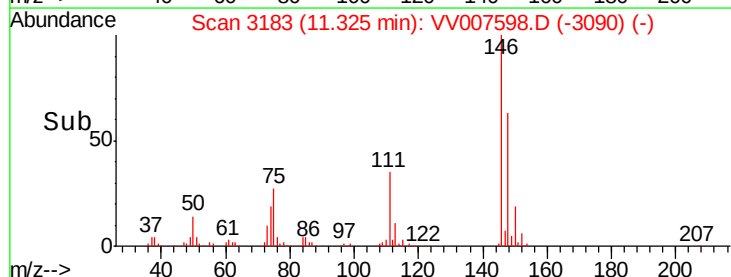
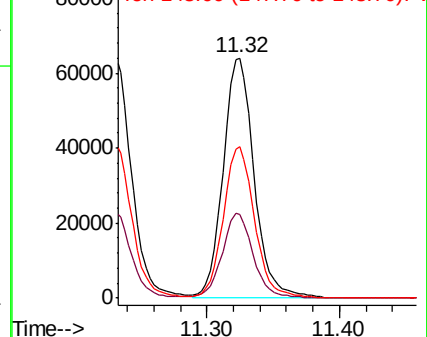
148 62.9 44.0 81.8

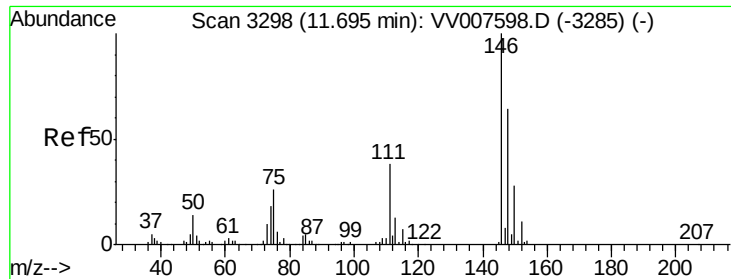


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

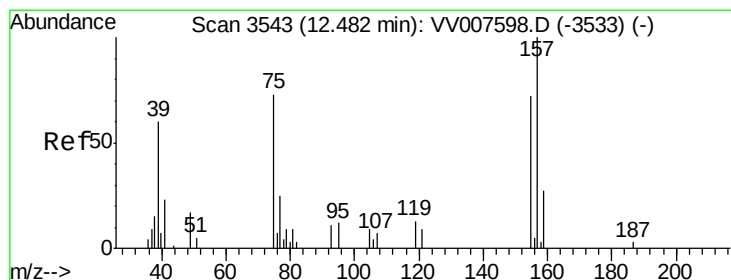
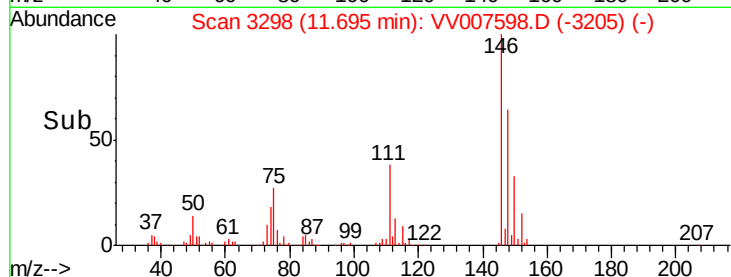
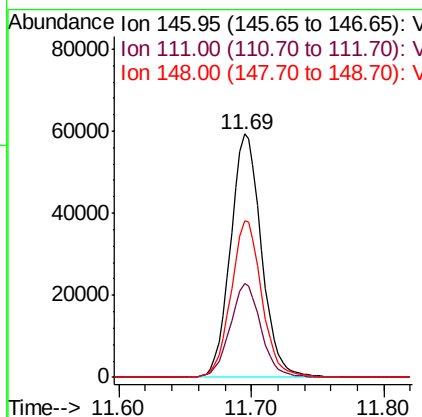
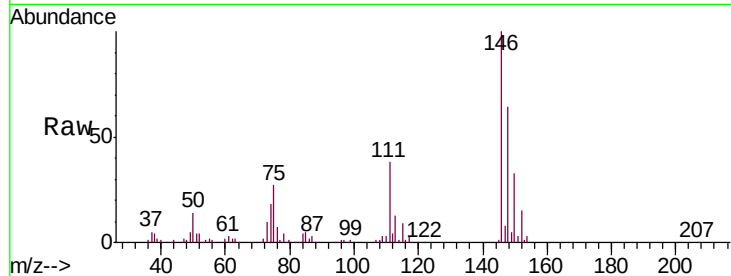




#65
 1,2-Dichlorobenzene
 Concen: 5.917 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

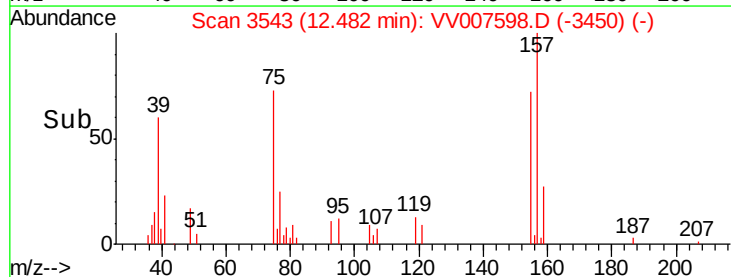
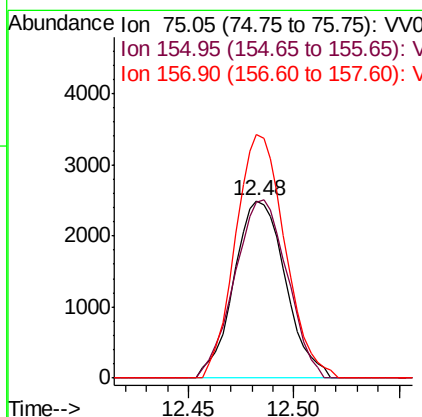
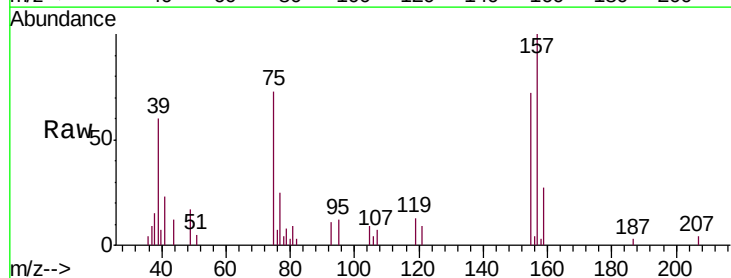
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

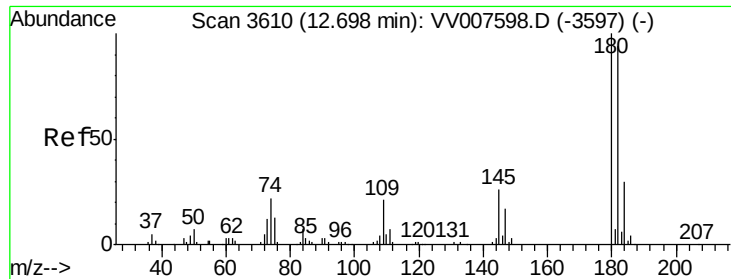
Tgt Ion: 146 Resp: 95980
 Ion Ratio Lower Upper
 146 100
 111 38.3 30.6 46.0
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.307 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion: 75 Resp: 4228
 Ion Ratio Lower Upper
 75 100
 155 98.9 79.1 118.7
 157 137.2 109.8 164.6

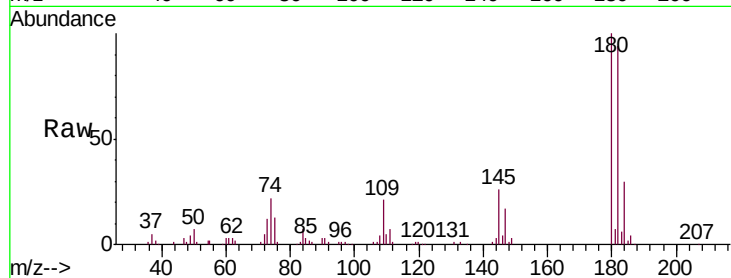




#67
 1,3,5-Trichlorobenzene
 Concen: 6.254 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
184	30.7	24.6	36.8
145	26.7	21.4	32.0



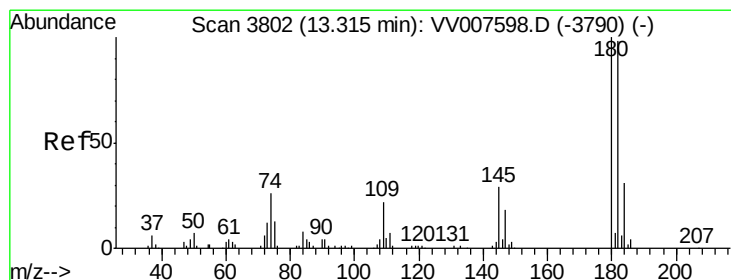
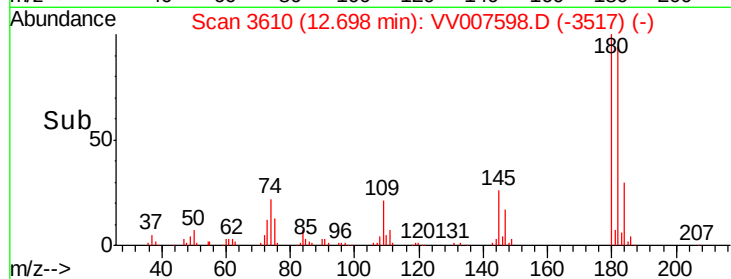
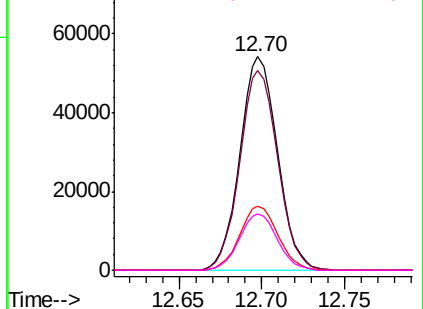
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

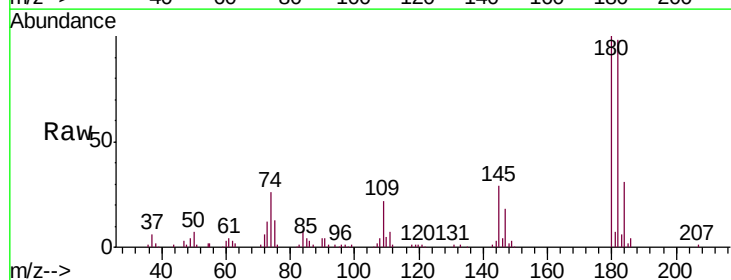
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.404 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007598.D
 Acq: 18 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	28.9	23.1	34.7

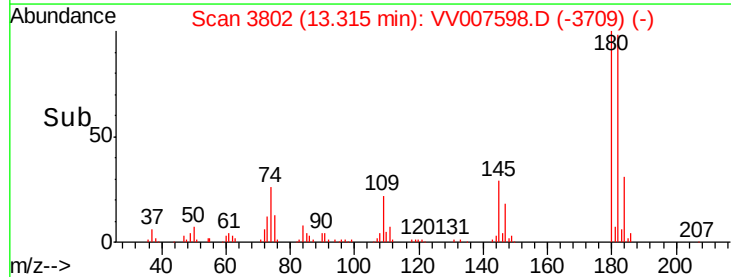
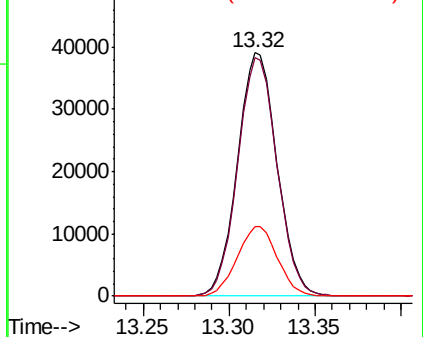


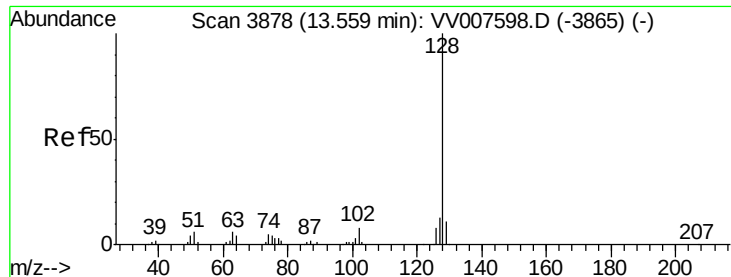
Abundance

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: 6.301 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

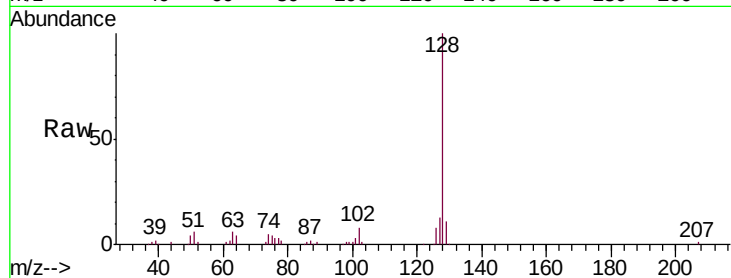
Tgt Ion:128 Resp: 73425

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

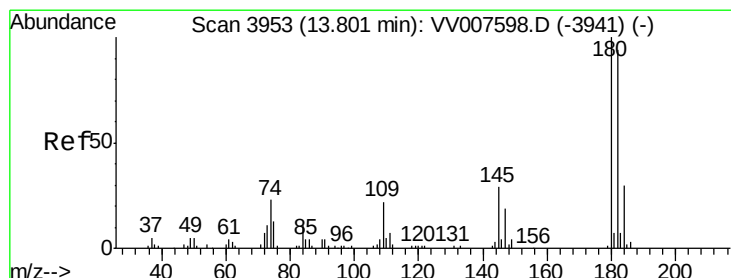
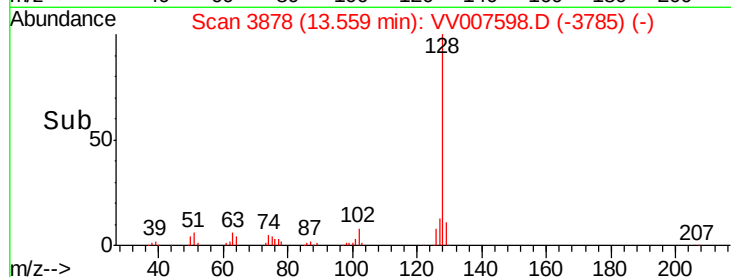
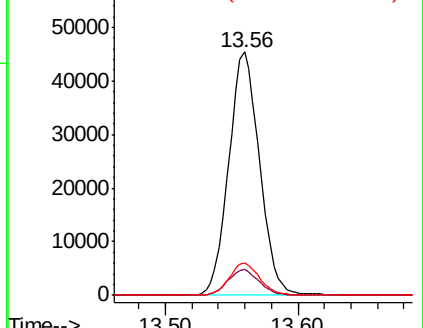
127 13.0 10.4 15.6



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: 6.434 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007598.D

Acq: 18 Sep 2018 12:08

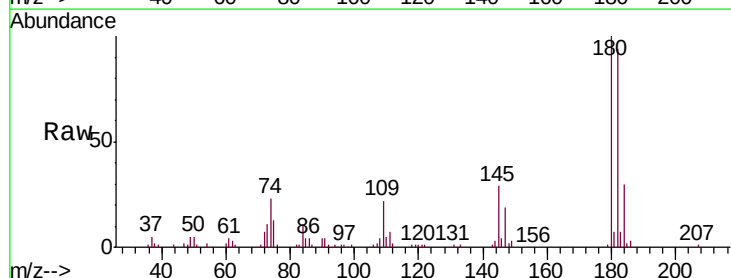
Tgt Ion:180 Resp: 57567

Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 29.5 23.6 35.4



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

