

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007293.D
 Acq On : 31 Aug 2018 11:21
 Operator : SY/MD
 Sample : VSTD20075
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

Quant Time: Aug 31 23:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	640874	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	624632	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	343305	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	736251	169.13	ug/L	0.00
7) Chloroethane-d5	1.58	69	430331	127.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1371573	178.54	ug/L	0.00
21) 2-Butanone-d5	3.96	46	1288013	390.46	ug/L	0.00
24) Chloroform-d	4.41	84	1556825	180.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	934427	179.29	ug/L	0.00
32) Benzene-d6	5.11	84	3294784	187.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1046327	181.18	ug/L	0.00
41) Toluene-d8	7.37	98	3050834	197.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	517866	204.83	ug/L	0.00
47) 2-Hexanone-d5	8.15	63	1011619	542.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1470293	190.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	1269737	178.81	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	948724	186.339	ug/L	99
3) Chloromethane	1.26	50	1035590	172.993	ug/L	99
5) Vinyl chloride	1.32	62	1006221	188.311	ug/L	99
6) Bromomethane	1.53	94	466670	248.927	ug/L	100
8) Chloroethane	1.59	64	398944	132.302	ug/L	99
9) Trichlorofluoromethane	1.76	101	1237351	182.718	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	775198	187.447	ug/L	99
12) 1,1-Dichloroethene	2.14	96	737235	186.903	ug/L	97
13) Acetone	2.21	43	905801	357.671	ug/L	100
14) Carbon disulfide	2.32	76	2198935	182.699	ug/L	100
15) Methyl Acetate	2.47	43	821257	187.028	ug/L	99
16) Methylene chloride	2.54	84	818829	182.698	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	799224	187.481	ug/L	99
18) Methyl tert-butyl Ether	2.82	73	2469999	193.282	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1591290	183.828	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	986812	199.397	ug/L	97
22) 2-Butanone	4.04	43	1510569	391.691	ug/L	100
23) Bromochloromethane	4.30	128	478016	188.596	ug/L	96
25) Chloroform	4.44	83	1594918	187.999	ug/L	99
27) 1,2-Dichloroethane	5.19	62	1205868	192.061	ug/L	99
29) Cyclohexane	4.73	56	1503020	213.037	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1359167	189.782	ug/L	99
31) Carbon tetrachloride	4.88	117	1186082	192.918	ug/L	100
33) Benzene	5.15	78	3764904	194.687	ug/L	100
34) Trichloroethene	5.96	95	917481	194.977	ug/L	99
35) Methylcyclohexane	6.18	83	1632573	218.193	ug/L	98
37) 1,2-Dichloropropane	6.23	63	979014	190.849	ug/L	99
38) Bromodichloromethane	6.56	83	1212099	192.874	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	1568065	217.282	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	2590629	430.850	ug/L	96

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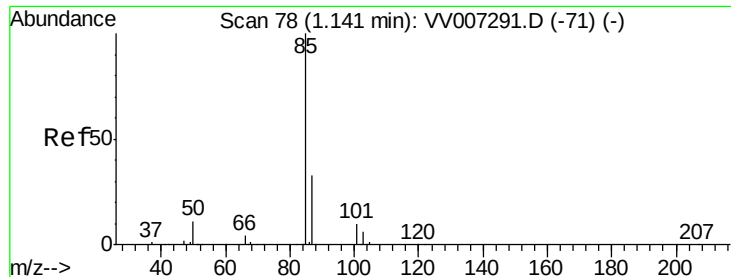
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

Quant Time: Aug 31 23:40:06 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	3873858	206.356	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	1455414	218.017	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	915101	192.125	ug/L	99
46) Tetrachloroethene	8.02	164	756657	194.797	ug/L	100
48) 2-Hexanone	8.20	43	2049411	428.040	ug/L	97
49) Dibromochloromethane	8.30	129	1004556	205.041	ug/L	99
50) 1,2-Dibromoethane	8.40	107	950141	198.300	ug/L	99
51) Chlorobenzene	8.93	112	2539728	200.104	ug/L	99
52) Ethylbenzene	9.06	91	4277743	219.074	ug/L	98
53) m,p-Xylene	9.19	106	1667812	225.362	ug/L	98
54) o-xylene	9.59	106	1650220	231.487	ug/L	98
55) Styrene	9.61	104	2907836	236.365	ug/L	99
56) Isopropylbenzene	9.98	105	4248793	233.522	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	1533032	195.968	ug/L	98
59) 1,2,3-Trichloropropane	10.33	75	1214135	194.324	ug/L	100
61) Bromoform	9.78	173	770520	186.431	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	2019683	194.333	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	2126958	189.161	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	2112810	188.806	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	331892	203.299	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	1623304	211.841	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1451519	248.942	ug/L	99
69) Naphthalene	13.56	128	4553526	277.824	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	1502965	238.173	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 186.339 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

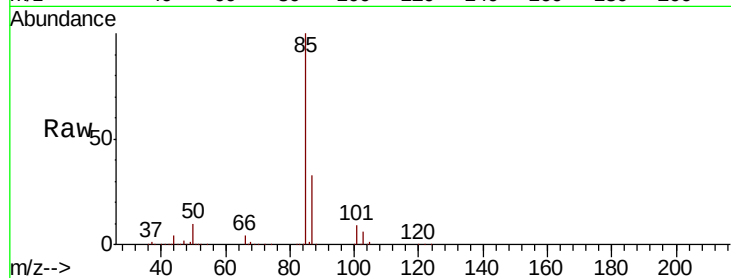
VSTD20075

Tgt Ion: 85 Resp: 948724

Ion Ratio Lower Upper

85 100

87 26.0 20.3 30.5



Abundance Ion 85.00 (84.70 to 85.70): VV007293.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007293.D (-71) (-)

1.14

800000

600000

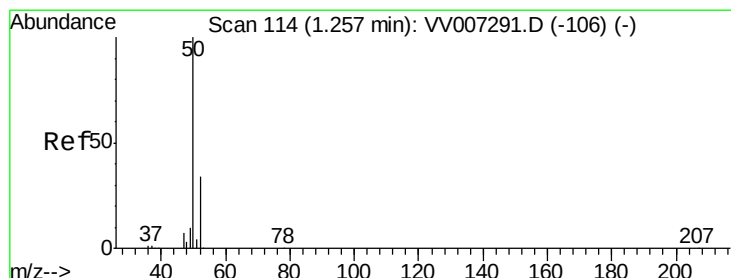
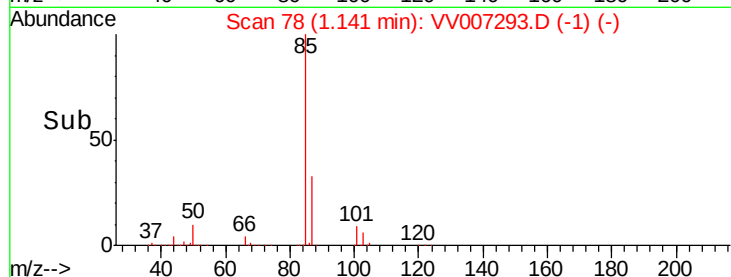
400000

200000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 172.993 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV007293.D

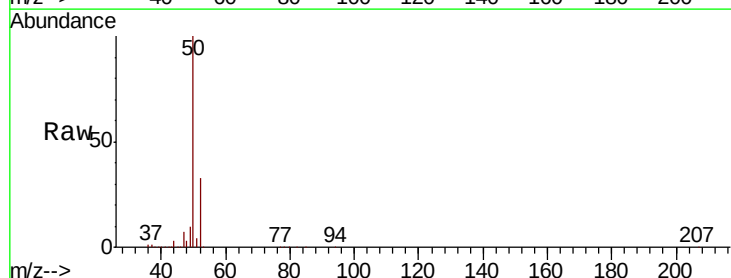
Acq: 31 Aug 2018 11:21

Tgt Ion: 50 Resp: 1035590

Ion Ratio Lower Upper

50 100

52 33.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV007293.D (-106) (-)

Ion 52.00 (51.70 to 52.70): VV007293.D (-106) (-)

1.26

800000

600000

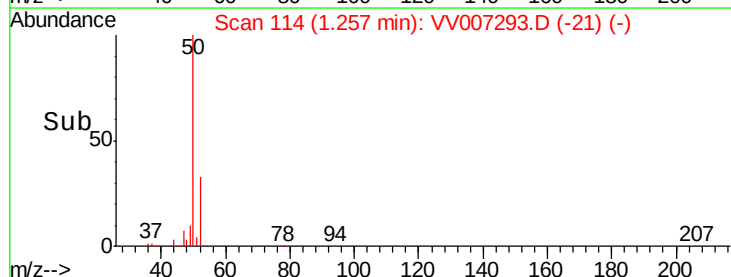
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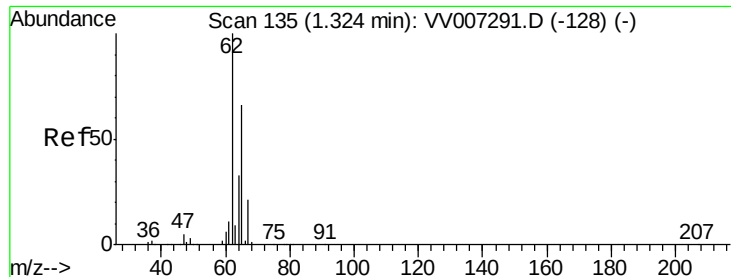
200000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 188.311 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

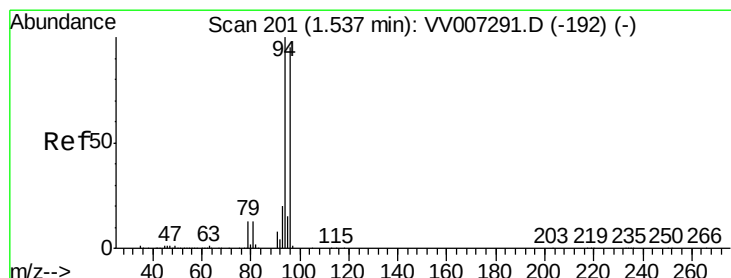
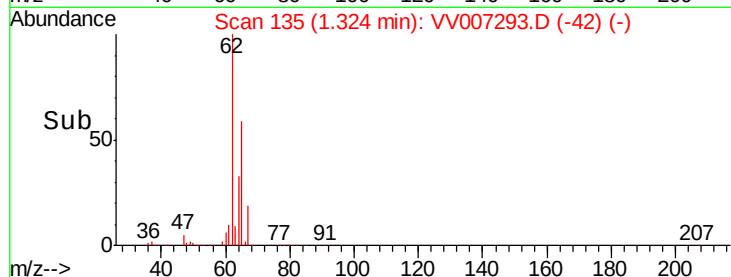
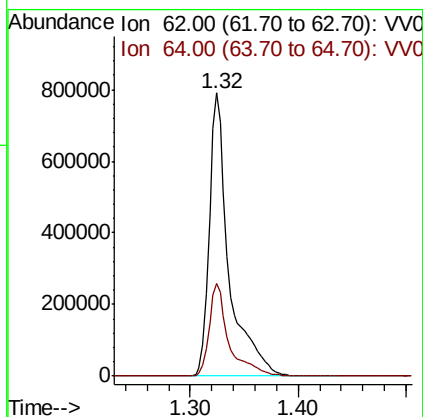
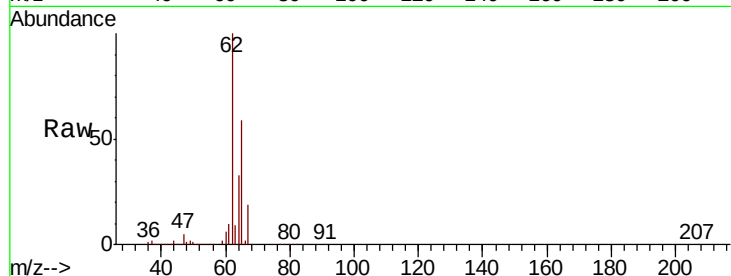
VSTD20075

Tgt Ion: 62 Resp: 1006221

Ion Ratio Lower Upper

62 100

64 32.7 23.2 43.0



#6

Bromomethane

Concen: 248.927 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007293.D

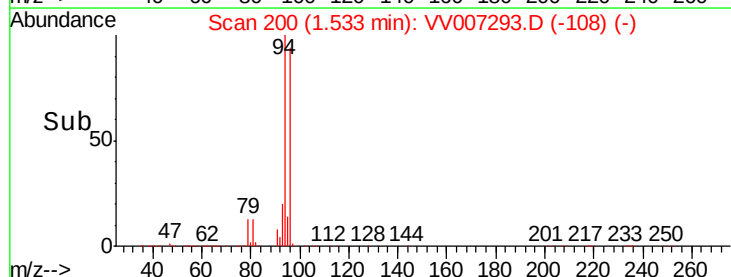
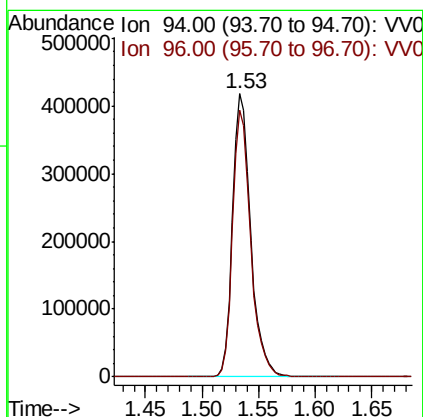
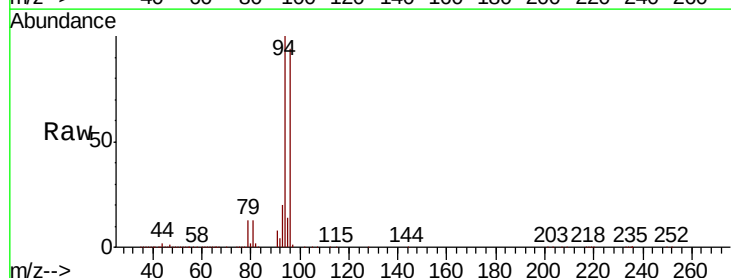
Acq: 31 Aug 2018 11:21

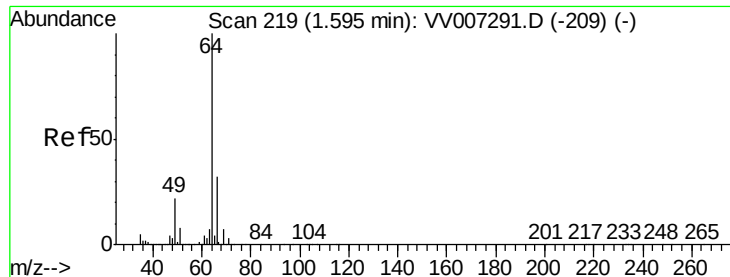
Tgt Ion: 94 Resp: 466670

Ion Ratio Lower Upper

94 100

96 94.3 66.1 122.7





#8

Chloroethane

Concen: 132.302 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

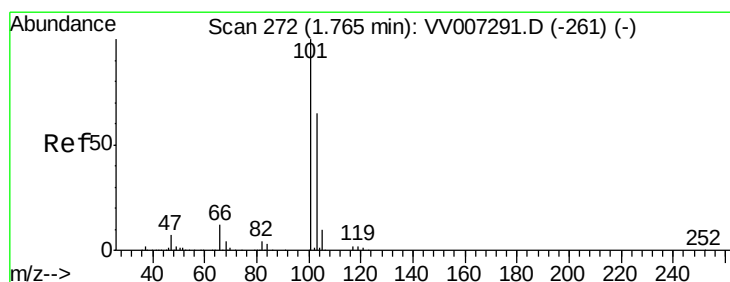
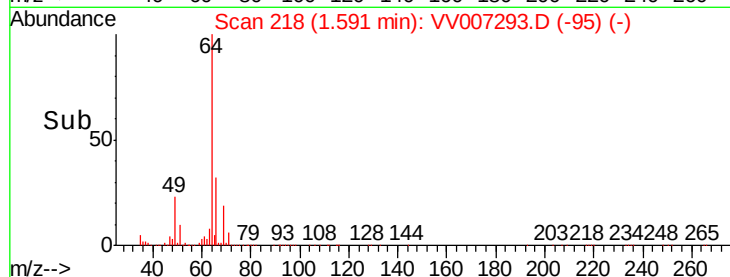
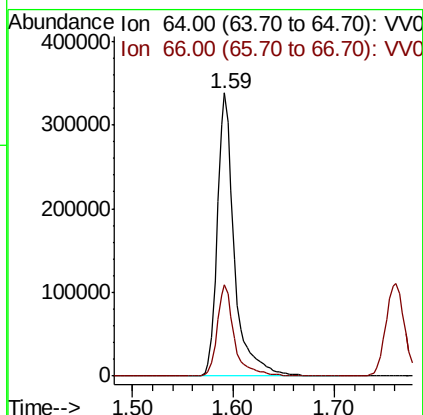
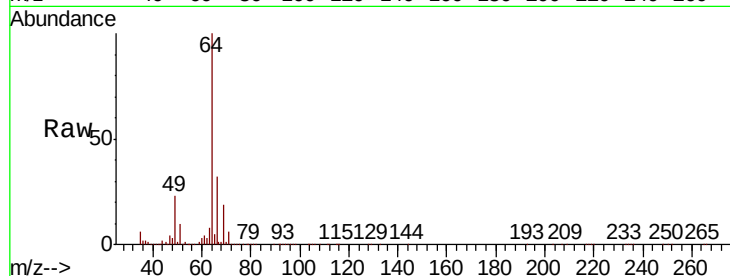
VSTD20075

Tgt Ion: 64 Resp: 398944

Ion Ratio Lower Upper

64 100

66 32.4 22.3 41.3



#9

Trichlorofluoromethane

Concen: 182.718 ug/L

RT: 1.76 min Scan# 271

Delta R.T. -0.00 min

Lab File: VV007293.D

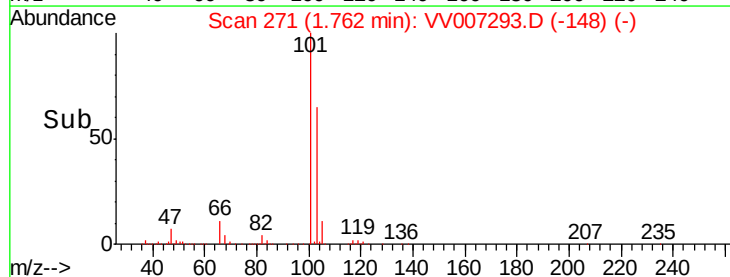
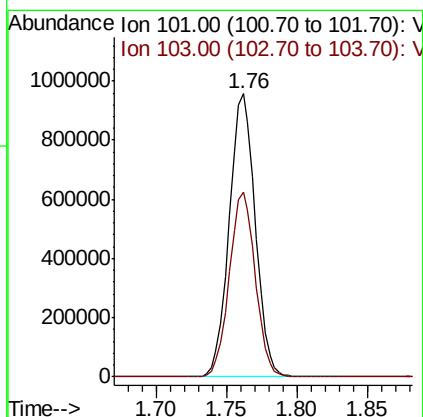
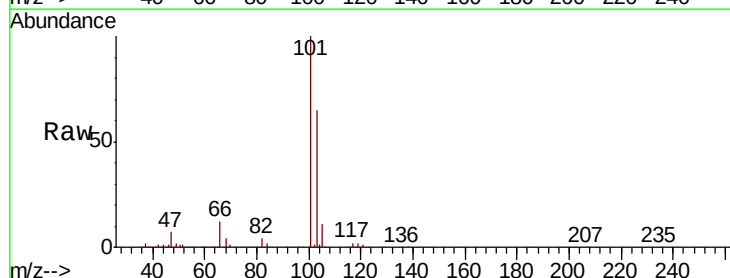
Acq: 31 Aug 2018 11:21

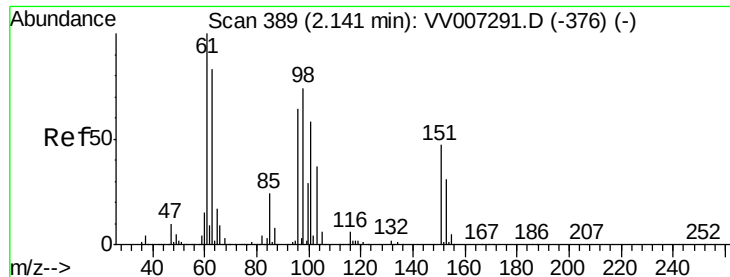
Tgt Ion: 101 Resp: 1237351

Ion Ratio Lower Upper

101 100

103 65.3 52.3 78.5





#10

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

Concen: 187.447 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

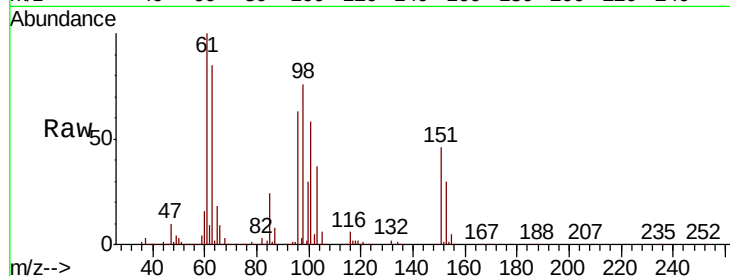
Tgt Ion: 101 Resp: 775198

Ion Ratio Lower Upper

101 100

85 40.8 32.8 49.2

151 80.4 64.8 97.2



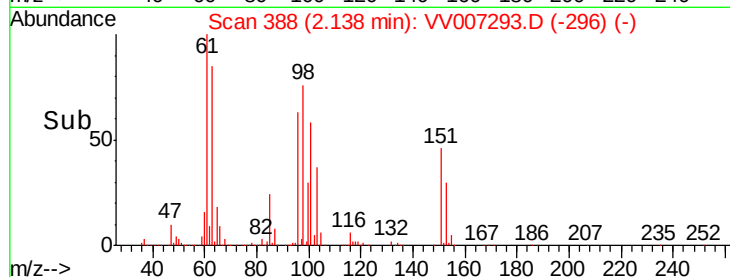
Abundance Ion 101.00 (100.70 to 101.70): VV007291.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV007291.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV007291.D (-376) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 186.903 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

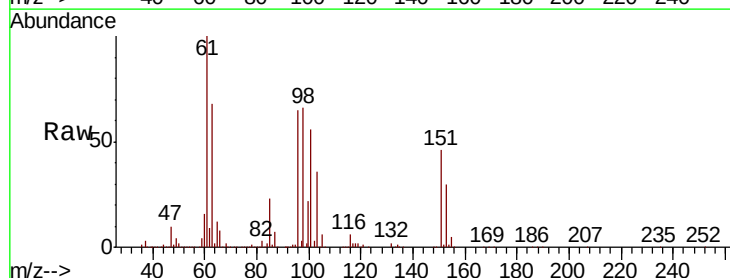
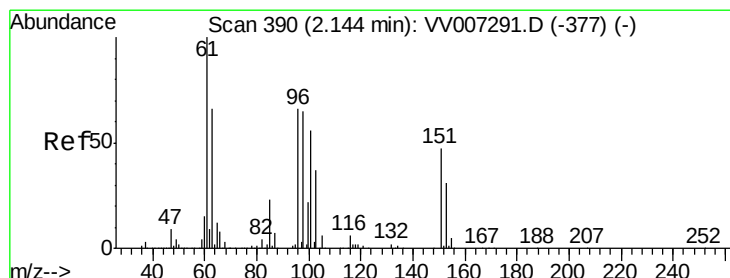
Tgt Ion: 96 Resp: 737235

Ion Ratio Lower Upper

96 100

61 154.8 106.3 197.5

63 105.3 71.0 131.8



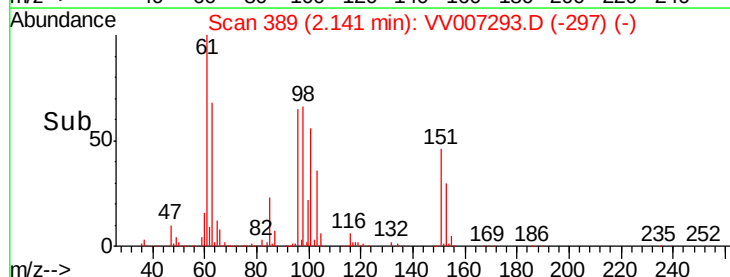
Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-377) (-)

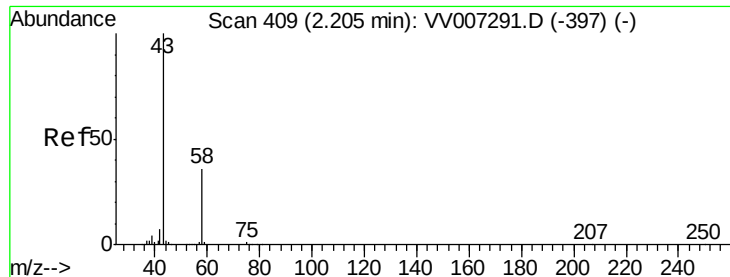
Ion 61.00 (60.70 to 61.70): VV007291.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV007291.D (-377) (-)

2.14

Time-->

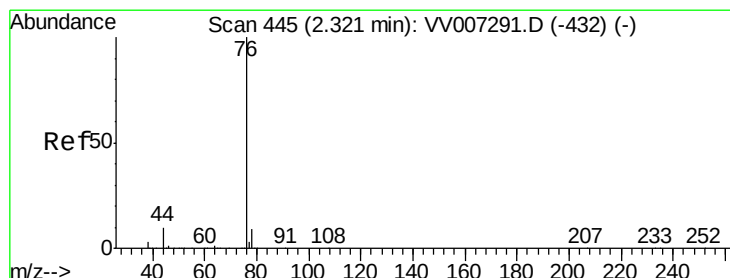
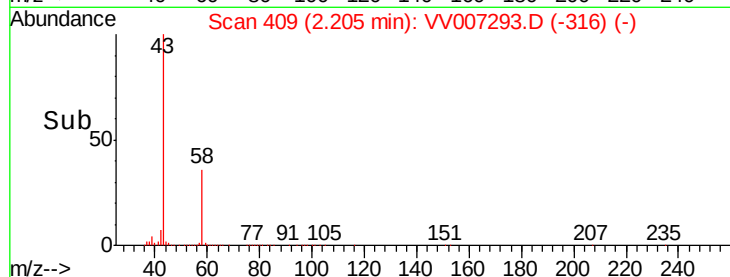
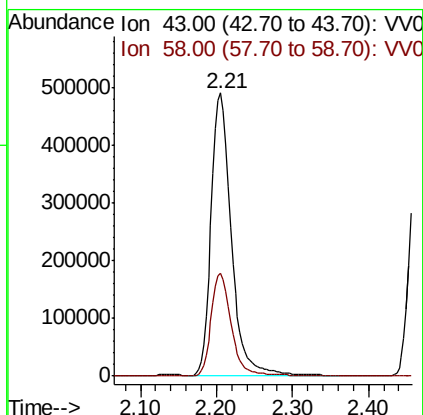
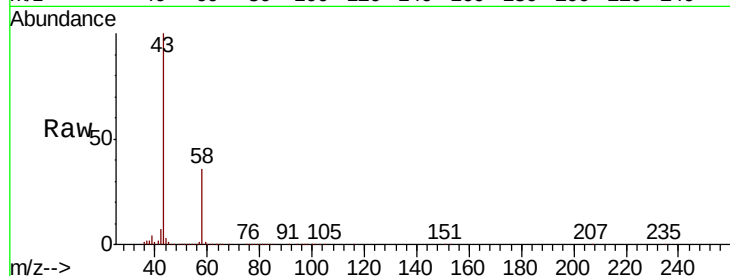




#13
Acetone
Concen: 357.671 ug/L
RT: 2.21 min Scan# 409
Delta R.T. -0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

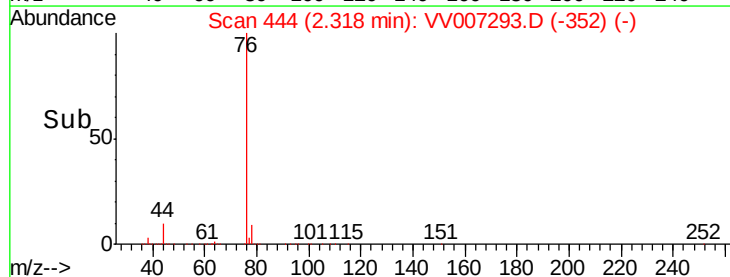
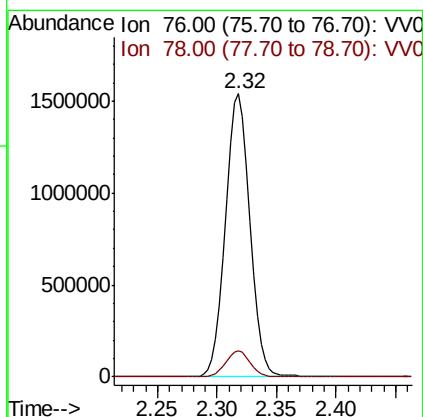
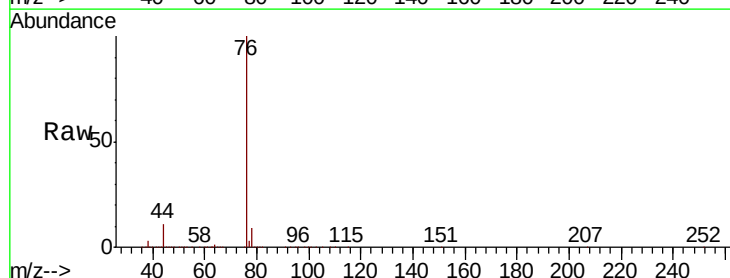
Instrument :
MSVOA_V
ClientSampled :
VSTD20075

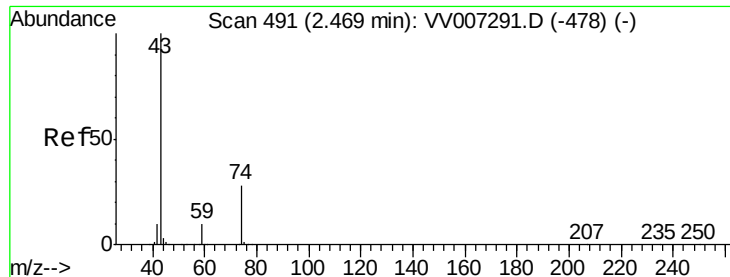
Tgt Ion: 43 Resp: 905801
Ion Ratio Lower Upper
43 100
58 36.3 0.0 72.2



#14
Carbon disulfide
Concen: 182.699 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

Tgt Ion: 76 Resp: 2198935
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#15

Methyl Acetate

Concen: 187.028 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

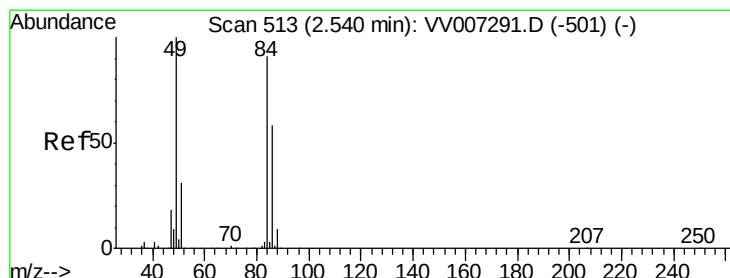
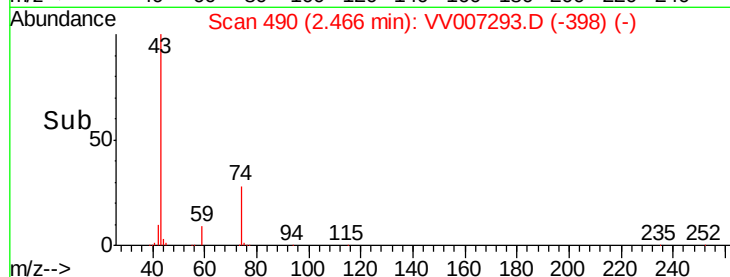
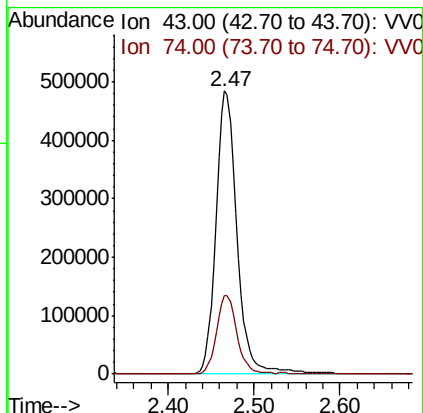
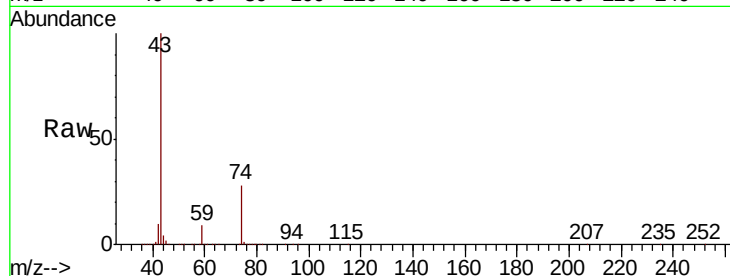
VSTD20075

Tgt Ion: 43 Resp: 821257

Ion Ratio Lower Upper

43 100

74 27.4 21.4 32.2



#16

Methylene chloride

Concen: 182.698 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

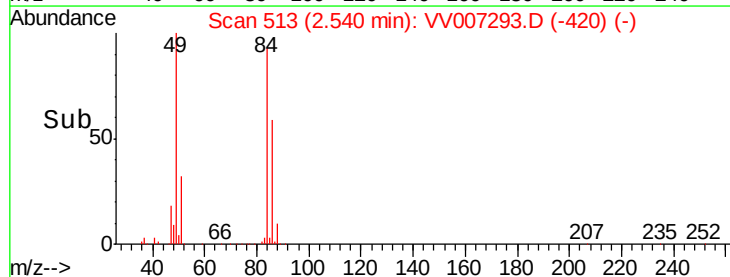
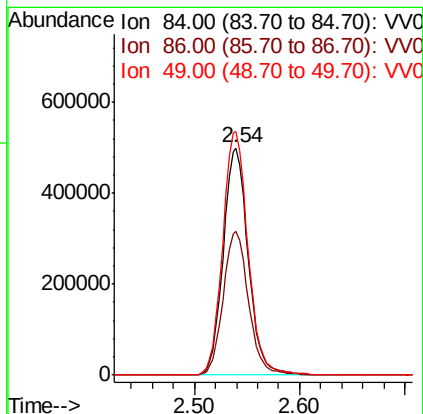
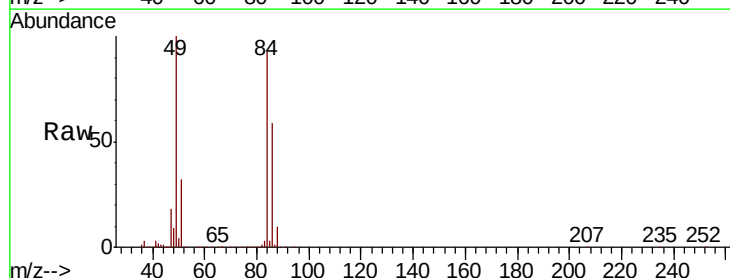
Tgt Ion: 84 Resp: 818829

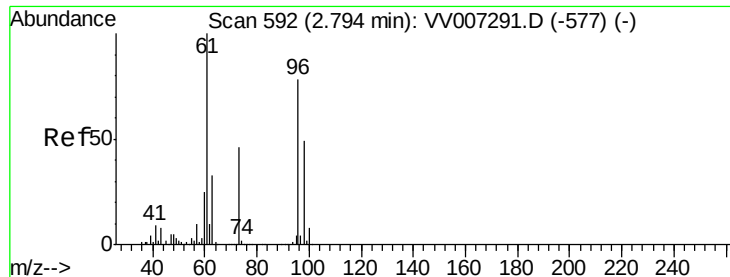
Ion Ratio Lower Upper

84 100

86 63.3 44.9 83.3

49 107.0 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 187.481 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

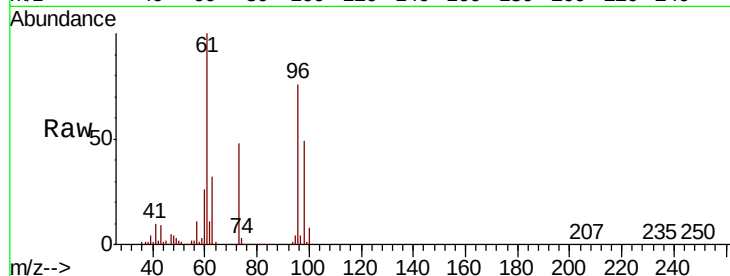
Tgt Ion: 96 Resp: 799224

Ion Ratio Lower Upper

96 100

61 130.8 90.4 167.8

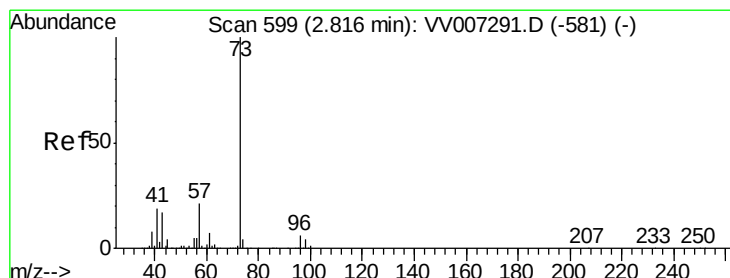
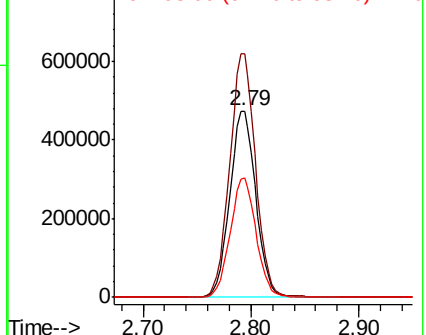
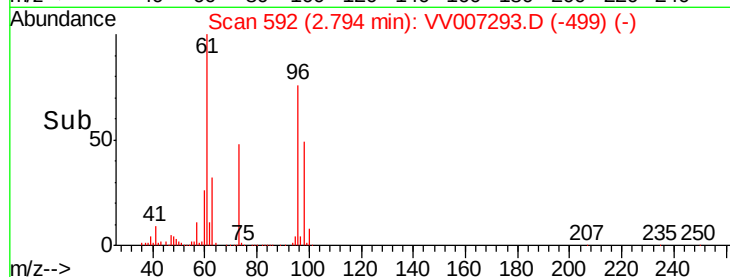
98 64.3 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV007293.D (-499) (-)

Ion 61.00 (60.70 to 61.70): VV007293.D (-499) (-)

Ion 98.00 (97.70 to 98.70): VV007293.D (-499) (-)



#18

Methyl tert-butyl Ether

Concen: 193.282 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

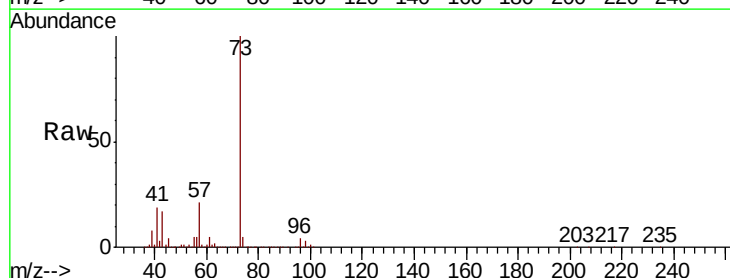
Tgt Ion: 73 Resp: 2469999

Ion Ratio Lower Upper

73 100

43 16.7 13.4 20.2

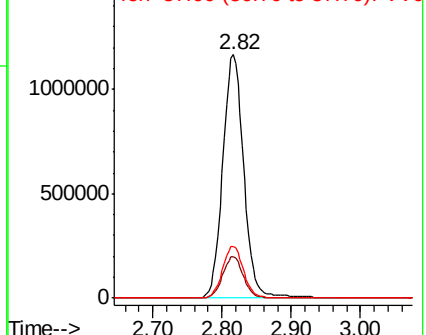
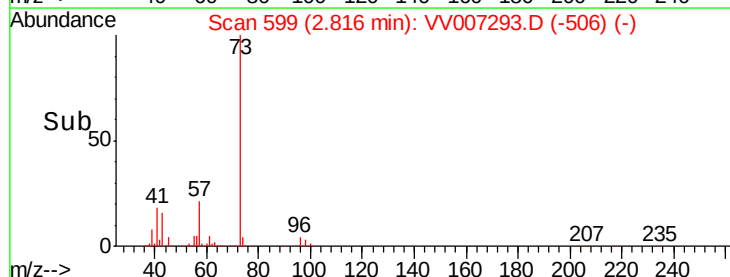
57 21.3 16.8 25.2

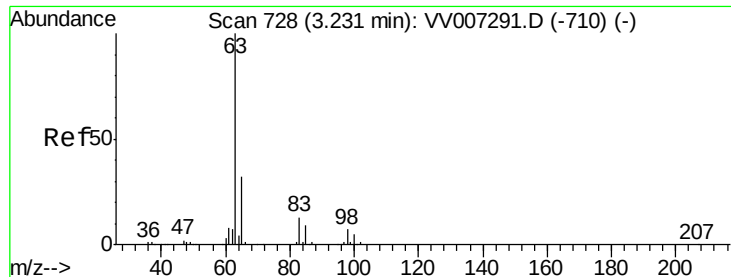


Abundance Ion 73.00 (72.70 to 73.70): VV007293.D (-506) (-)

Ion 43.00 (42.70 to 43.70): VV007293.D (-506) (-)

Ion 57.00 (56.70 to 57.70): VV007293.D (-506) (-)

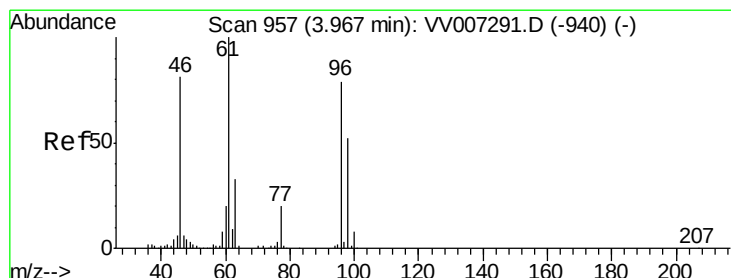
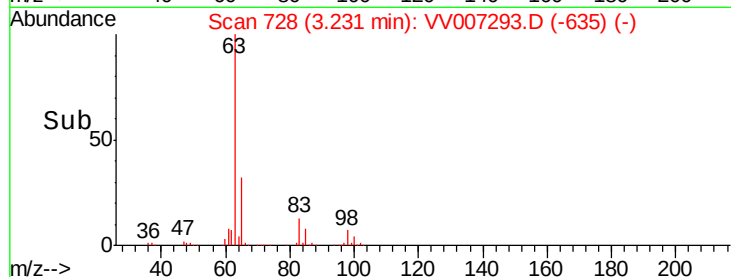
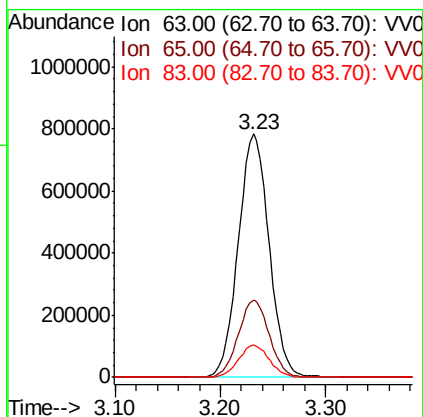
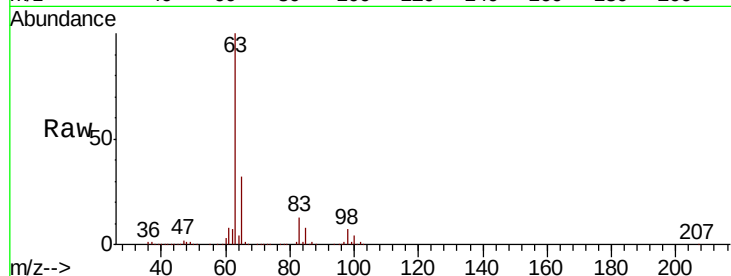




#19
 1,1-Dichloroethane
 Concen: 183.828 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

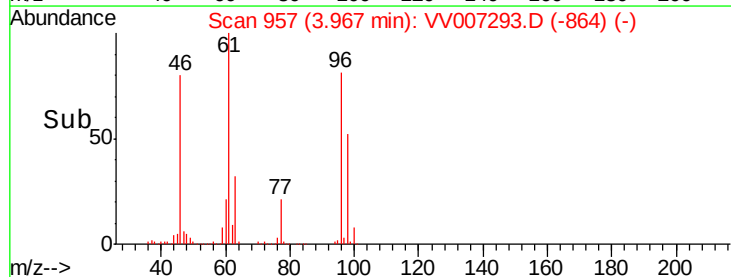
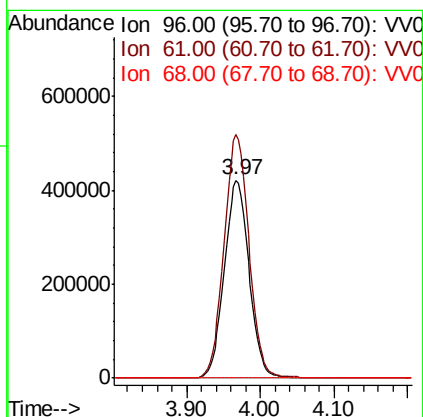
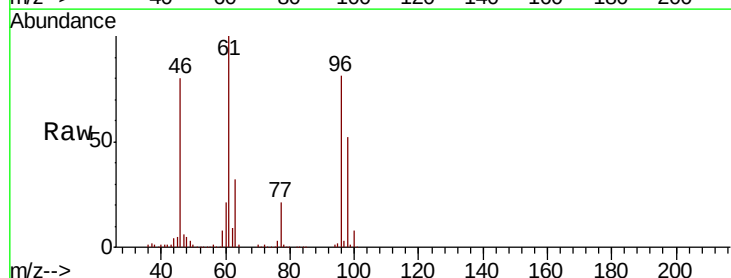
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20075

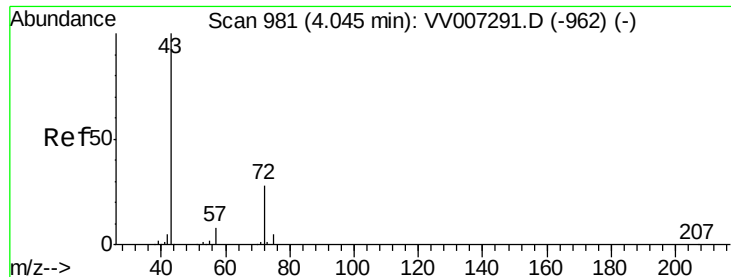
Tgt Ion: 63 Resp: 1591290
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 41.0
 83 13.2 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 199.397 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion: 96 Resp: 986812
 Ion Ratio Lower Upper
 96 100
 61 123.1 88.4 164.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 391.691 ug/L

RT: 4.04 min Scan# 981

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

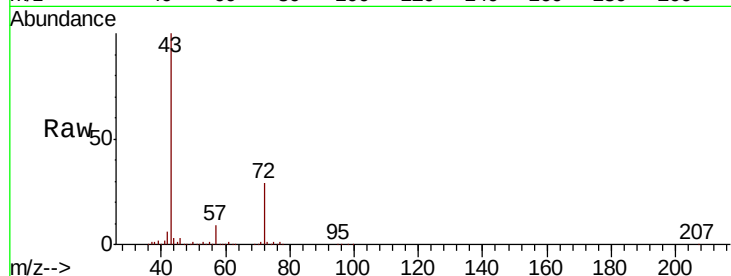
VSTD20075

Tgt Ion: 43 Resp: 1510569

Ion Ratio Lower Upper

43 100

72 28.1 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007293.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV007293.D (-888) (-)

4.04

500000

400000

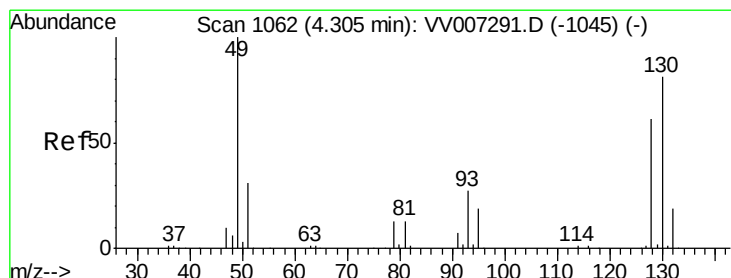
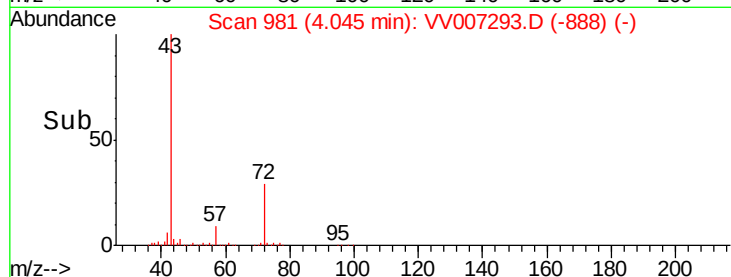
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 188.596 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Tgt Ion: 128 Resp: 478016

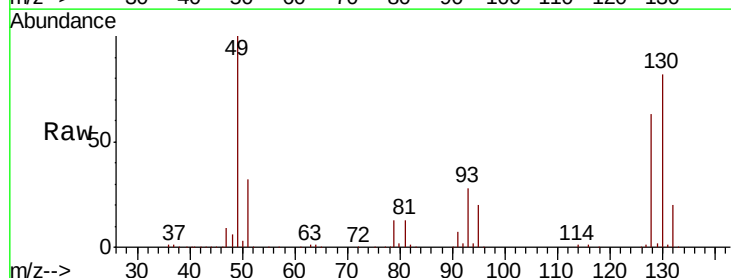
Ion Ratio Lower Upper

128 100

49 157.9 115.6 214.8

130 129.0 93.7 173.9

51 50.6 41.3 61.9



Abundance Ion 128.00 (127.70 to 128.70): VV007293.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV007293.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV007293.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VV007293.D (-969) (-)

4.30

500000

400000

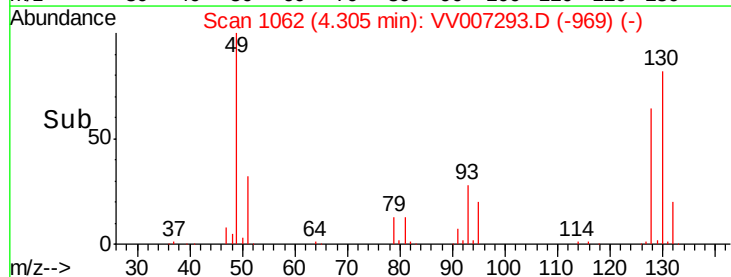
300000

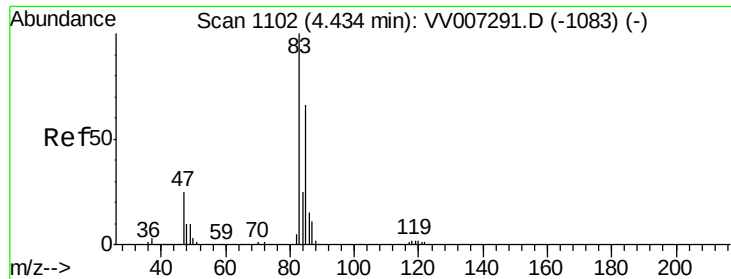
200000

100000

0

Time--> 4.20 4.30 4.40

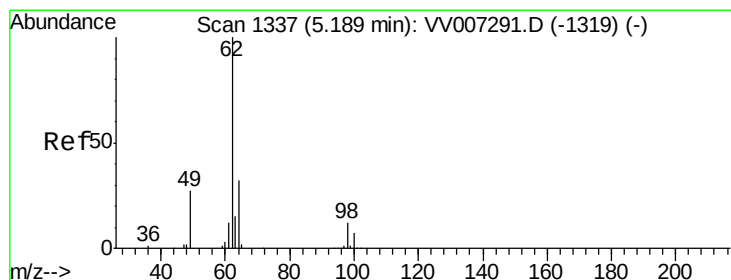
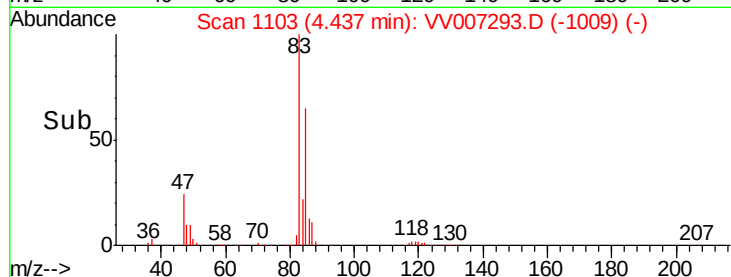
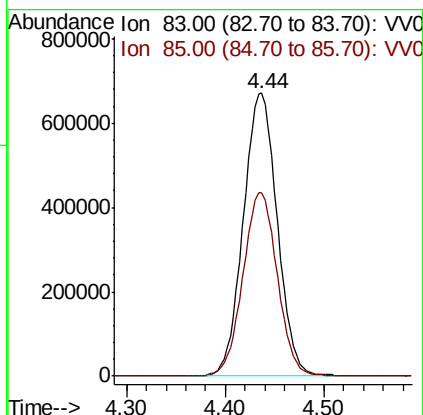
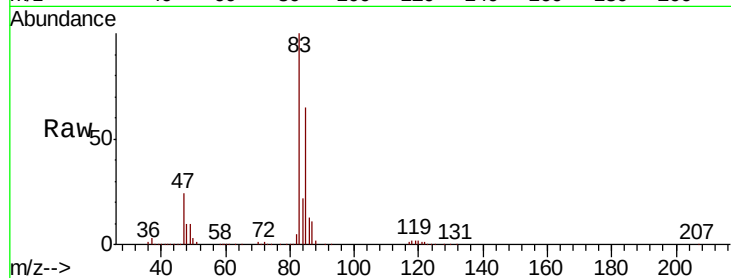




#25
Chloroform
Concen: 187.999 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

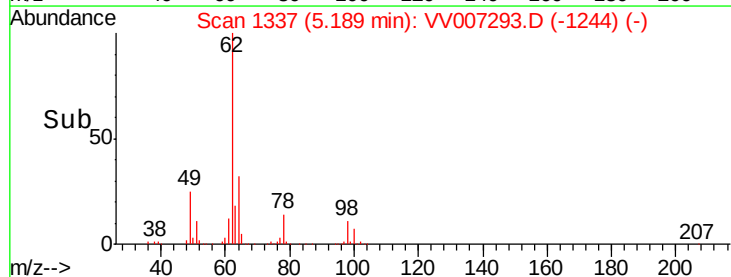
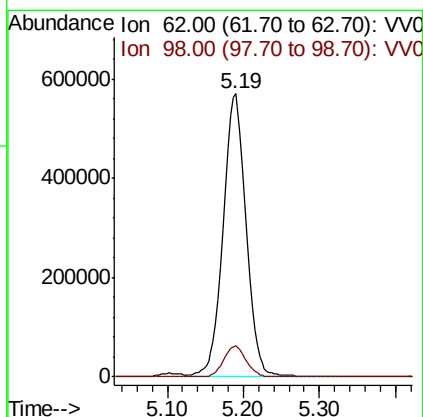
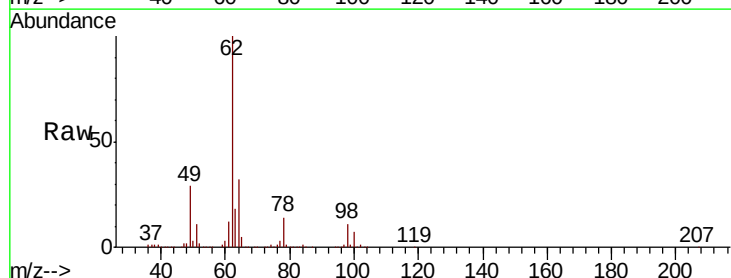
Instrument :
MSVOA_V
ClientSampleId :
VSTD20075

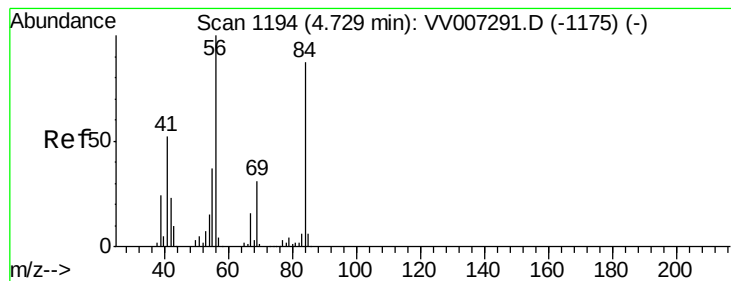
Tgt Ion: 83 Resp: 1594918
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 192.061 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

Tgt Ion: 62 Resp: 1205868
Ion Ratio Lower Upper
62 100
98 10.9 9.1 13.7





#29

Cyclohexane

Concen: 213.037 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

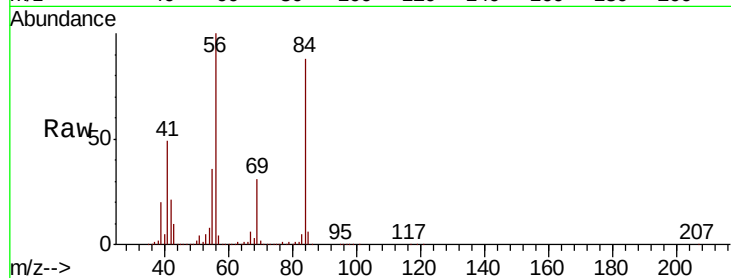
Tgt Ion: 56 Resp: 1503020

Ion Ratio Lower Upper

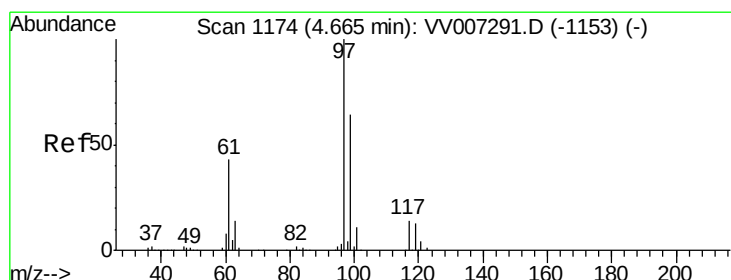
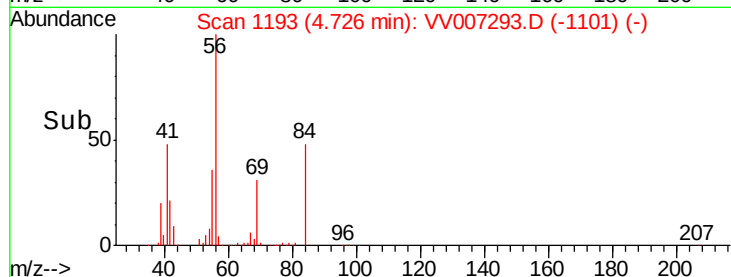
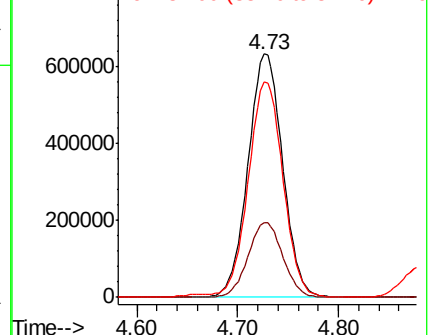
56 100

69 30.9 24.7 37.1

84 88.5 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 189.782 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

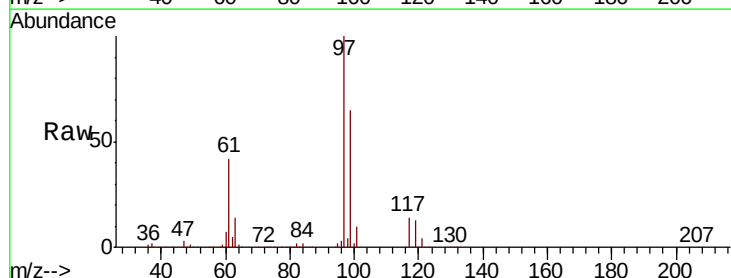
Tgt Ion: 97 Resp: 1359167

Ion Ratio Lower Upper

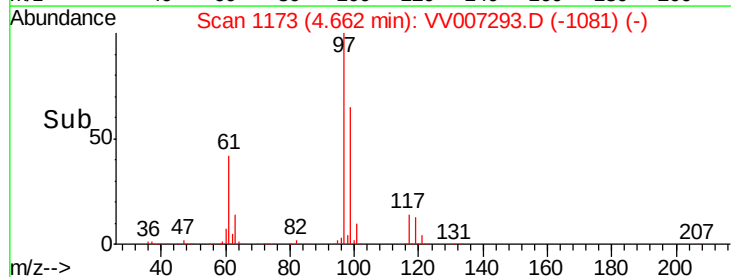
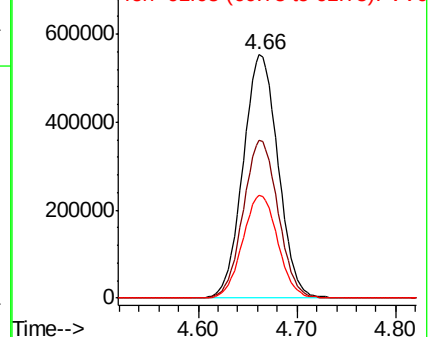
97 100

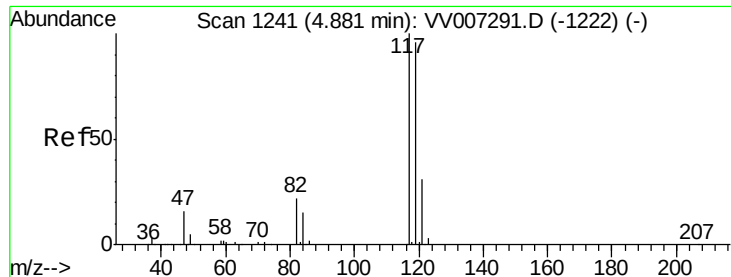
99 64.7 51.4 77.0

61 42.6 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 192.918 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

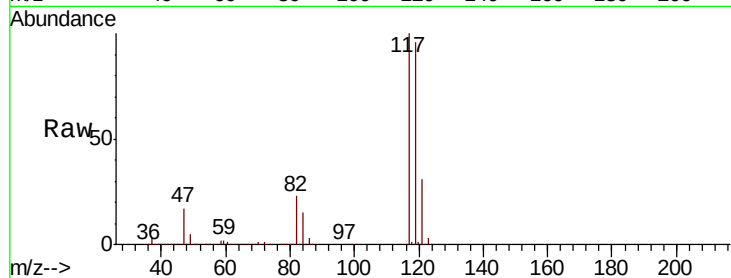
VSTD20075

Tgt Ion:117 Resp: 1186082

Ion Ratio Lower Upper

117 100

119 96.1 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

600000

500000

400000

300000

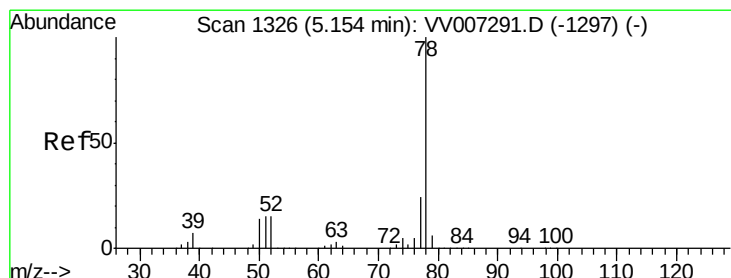
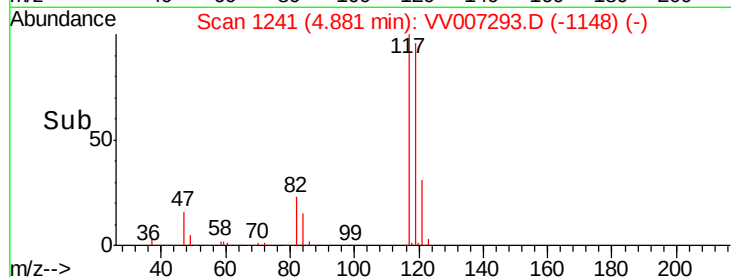
200000

100000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 194.687 ug/L

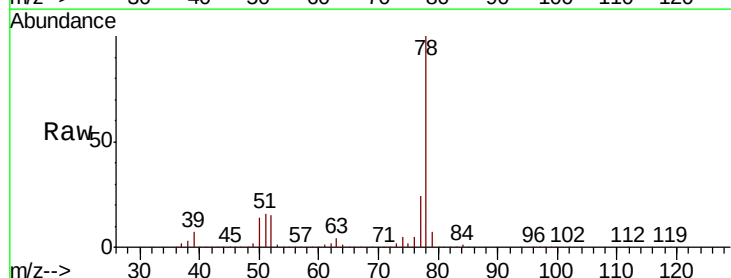
RT: 5.15 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Tgt Ion: 78 Resp: 3764904



Abundance Ion 78.00 (77.70 to 78.70): VV0

2000000

1500000

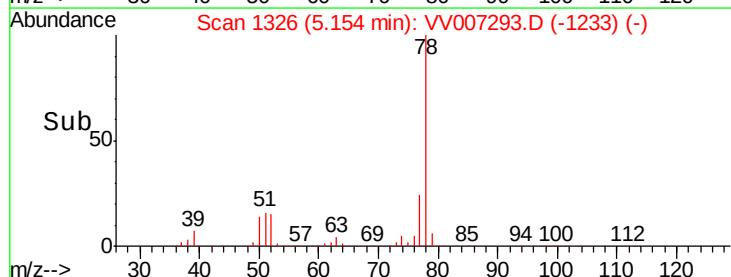
1000000

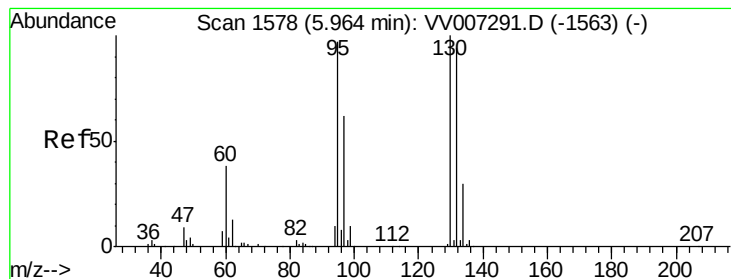
500000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 194.977 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

Tgt Ion: 95 Resp: 917481

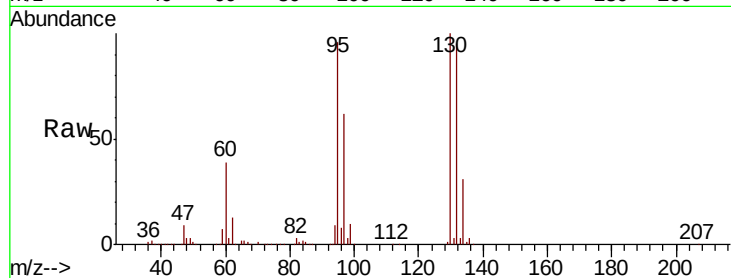
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 98.9 68.3 126.9

130 104.3 72.4 134.5

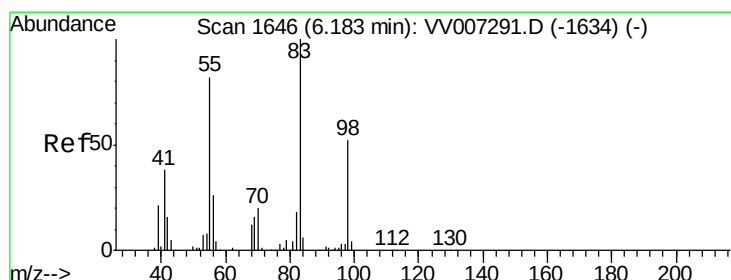
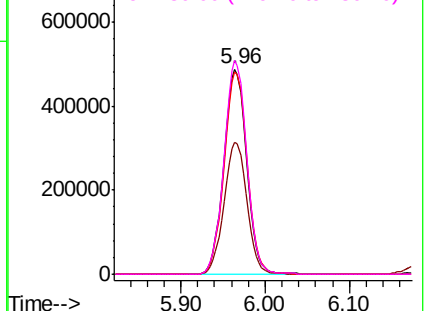
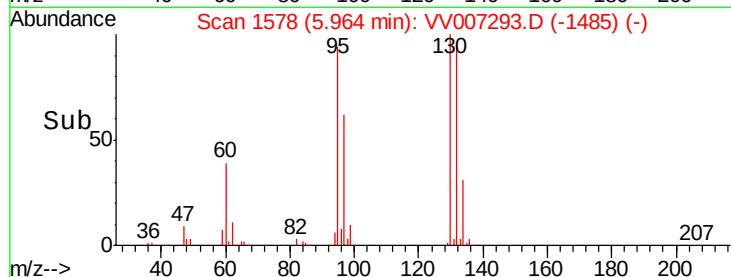


Abundance Ion 95.00 (94.70 to 95.70): VV007293.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VV007293.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VV007293.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VV007293.D (-1485) (-)



#35

Methylcyclohexane

Concen: 218.193 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

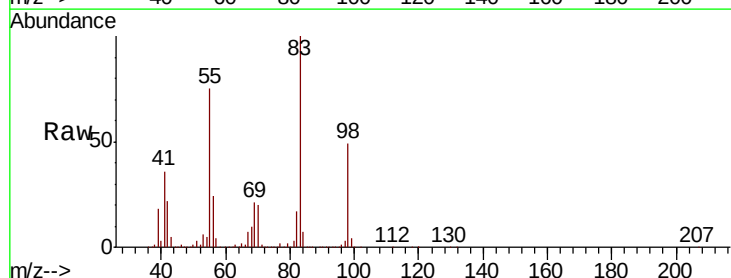
Tgt Ion: 83 Resp: 1632573

Ion Ratio Lower Upper

83 100

55 74.7 62.4 93.6

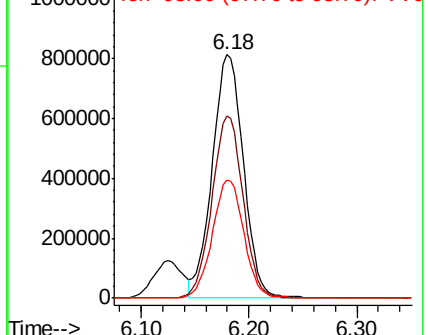
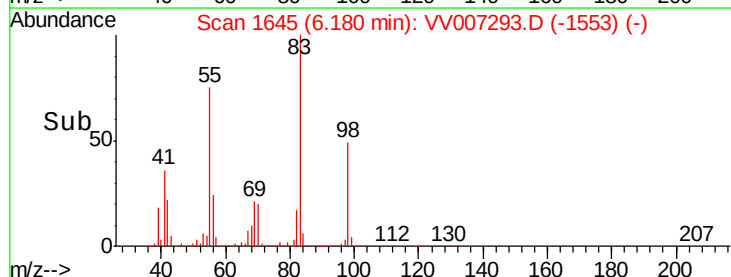
98 48.8 39.0 58.4

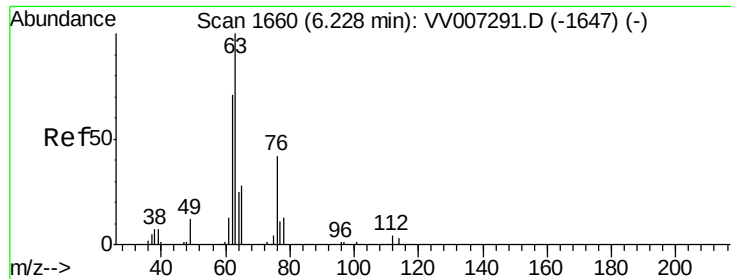


Abundance Ion 83.00 (82.70 to 83.70): VV007293.D (-1553) (-)

Ion 55.00 (54.70 to 55.70): VV007293.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VV007293.D (-1553) (-)

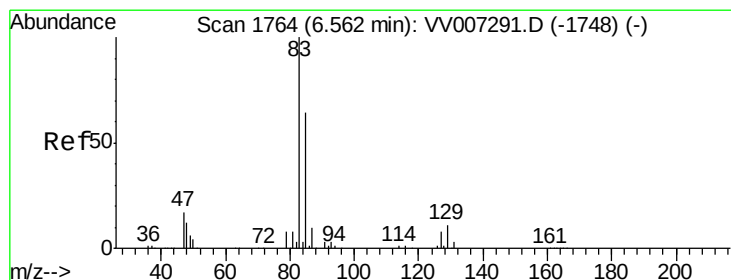
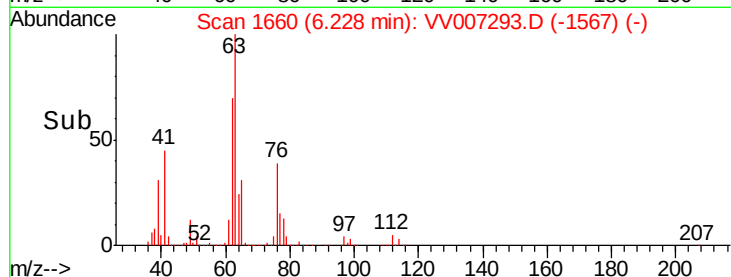
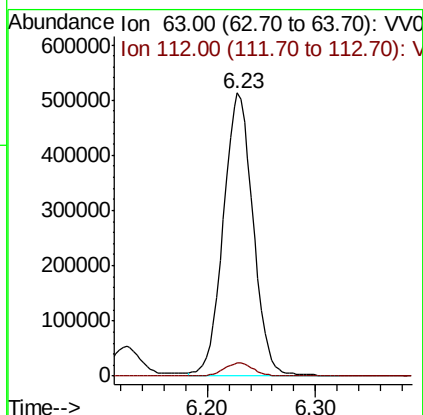
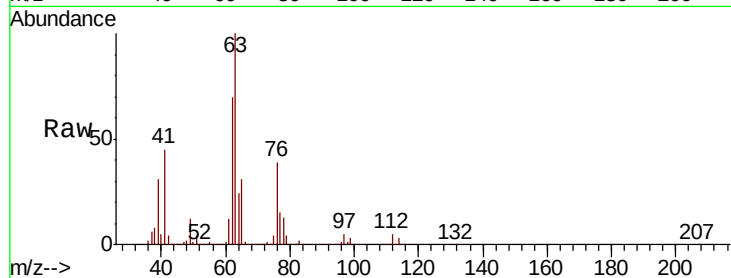




#37
 1,2-Dichloropropane
 Concen: 190.849 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

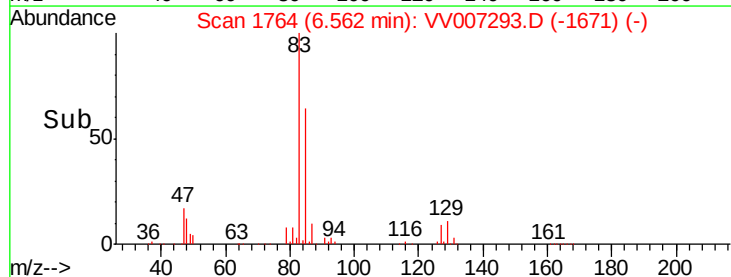
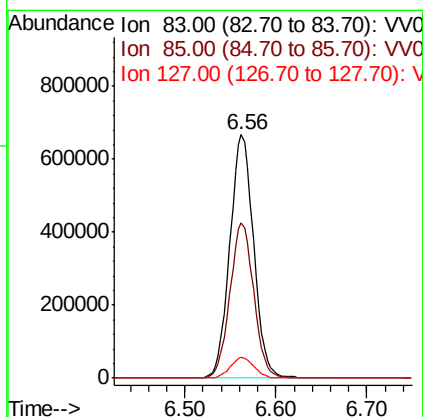
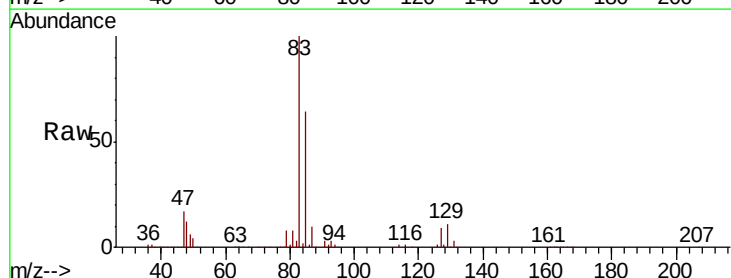
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

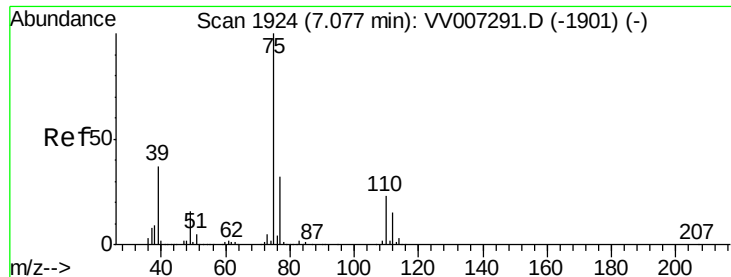
Tgt Ion: 63 Resp: 979014
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 192.874 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion: 83 Resp: 1212099
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.4 82.5
 127 8.5 6.8 10.2

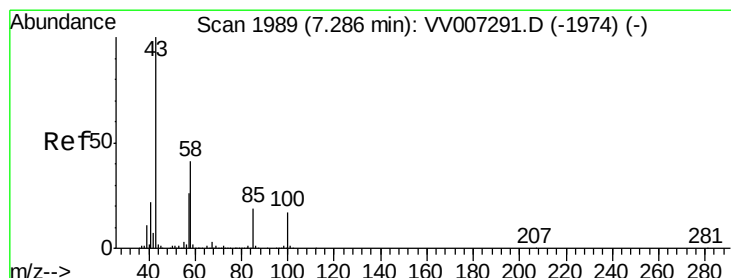
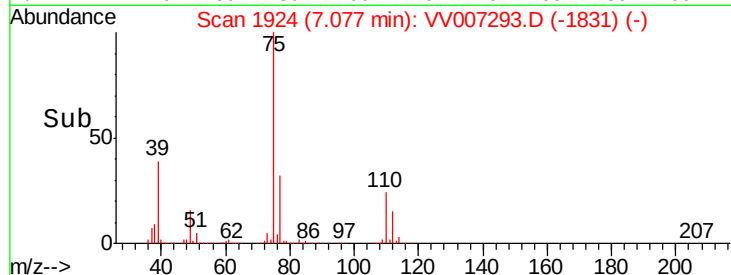
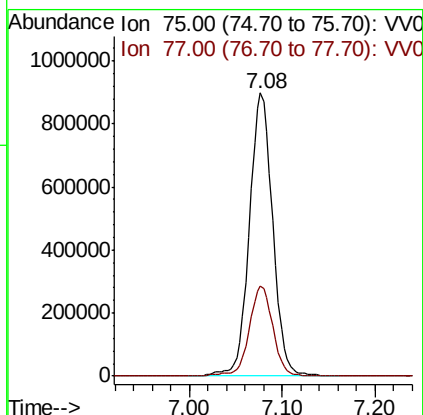
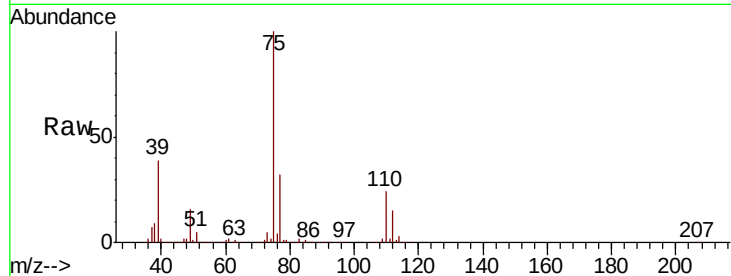




#39
 cis-1,3-Dichloropropene
 Concen: 217.282 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

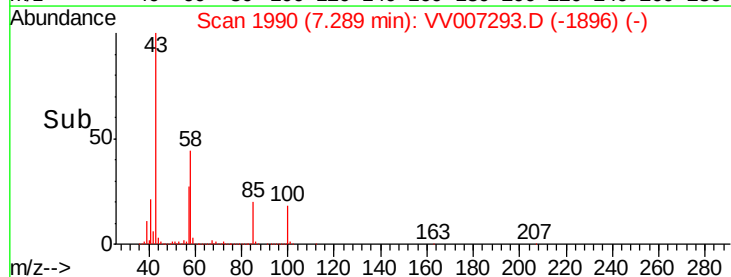
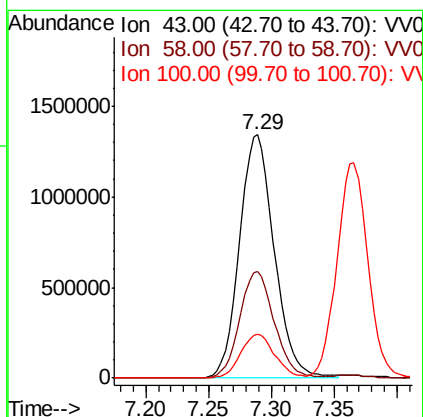
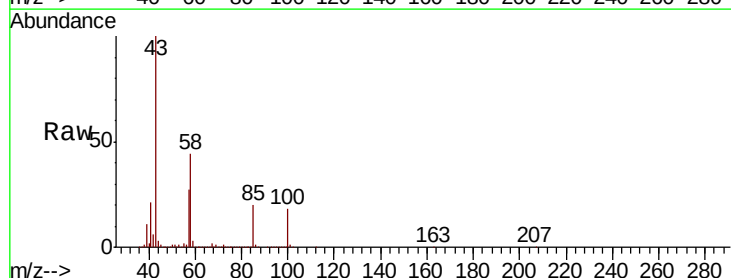
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

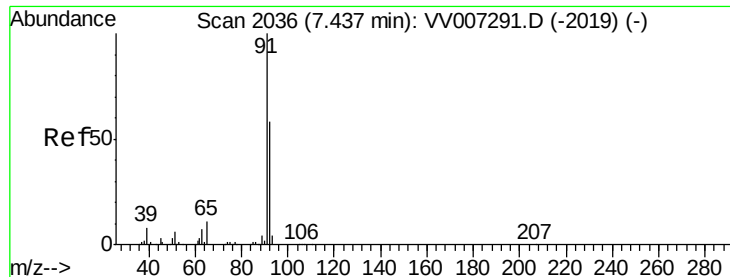
Tgt Ion: 75 Resp: 1568065
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 430.850 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion: 43 Resp: 2590629
 Ion Ratio Lower Upper
 43 100
 58 43.7 32.6 49.0
 100 17.8 13.4 20.0





#42

Toluene

Concen: 206.356 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

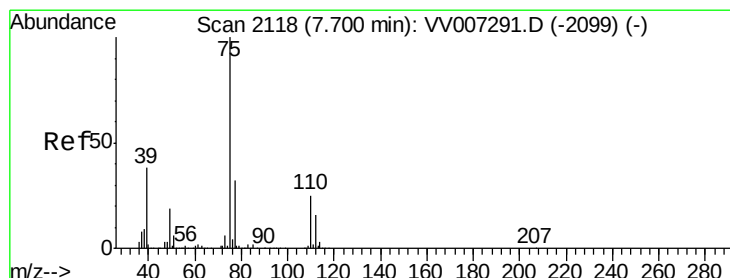
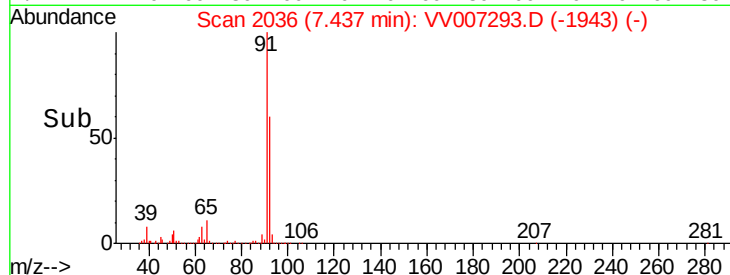
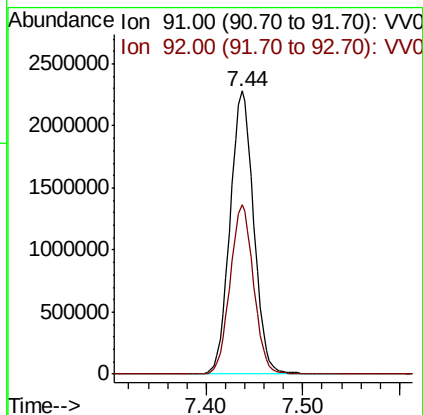
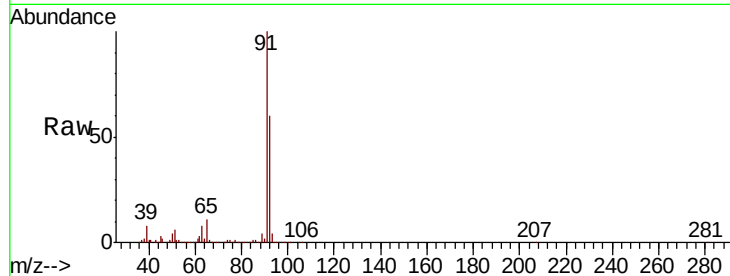
VSTD20075

Tgt Ion: 91 Resp: 3873858

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 218.017 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007293.D

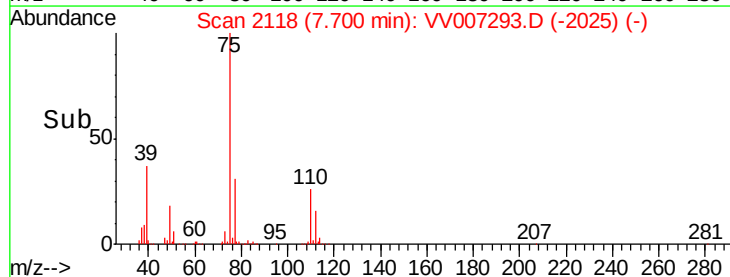
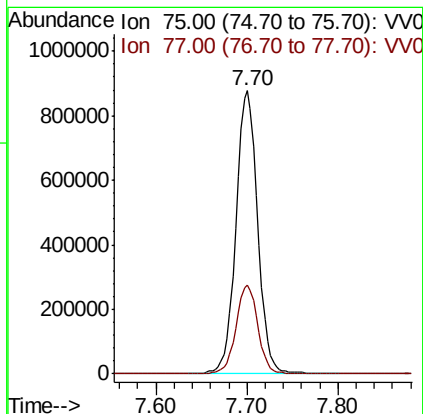
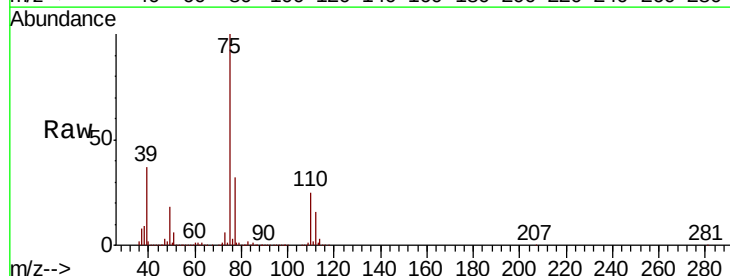
Acq: 31 Aug 2018 11:21

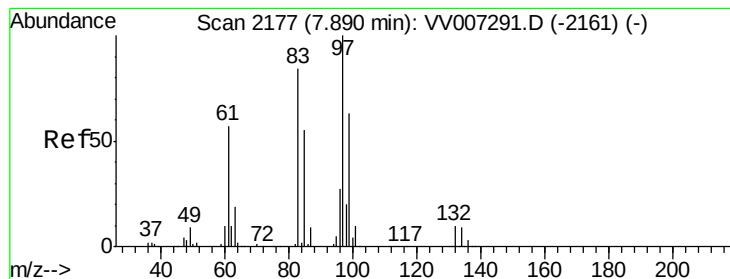
Tgt Ion: 75 Resp: 1455414

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 192.125 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

Tgt Ion: 97 Resp: 915101

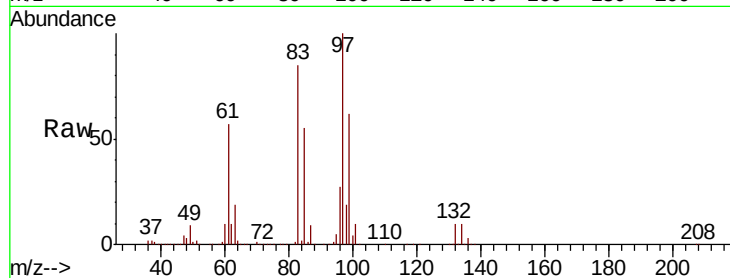
Ion Ratio Lower Upper

97 100

99 62.3 44.0 81.6

83 85.4 59.0 109.6

85 55.0 38.9 72.2



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

800000

600000

400000

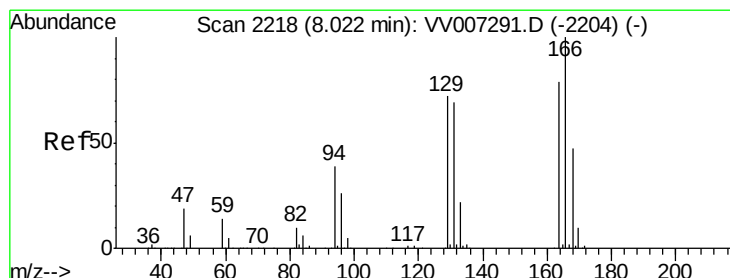
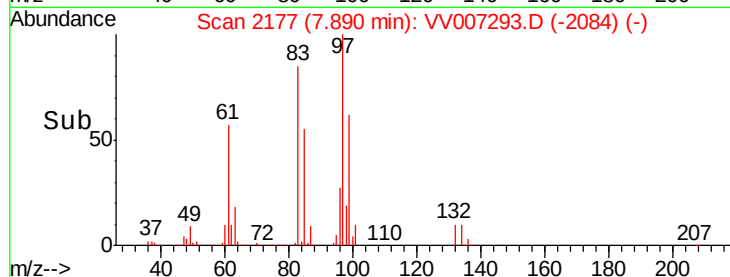
200000

0

7.89

7.80 7.85 7.90 7.95

Time-->



#46

Tetrachloroethene

Concen: 194.797 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Tgt Ion: 164 Resp: 756657

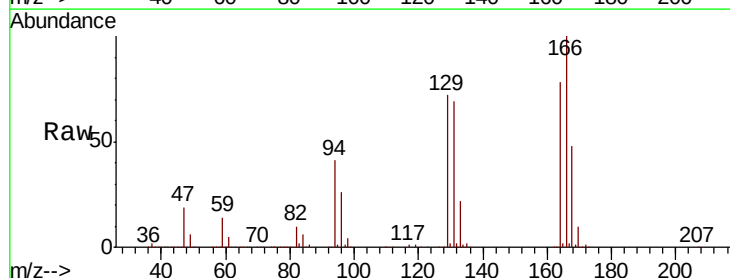
Ion Ratio Lower Upper

164 100

129 92.3 64.5 119.7

131 87.4 61.2 113.8

166 127.5 89.1 165.5



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

800000

600000

400000

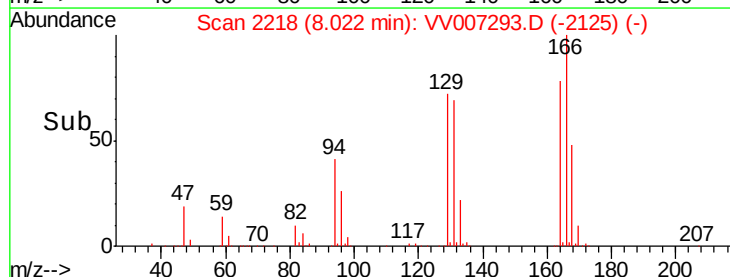
200000

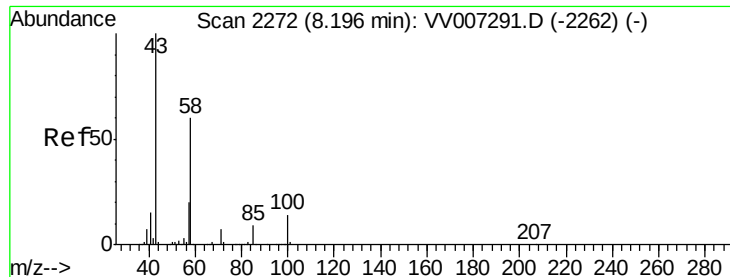
0

8.02

7.95 8.00 8.05 8.10

Time-->



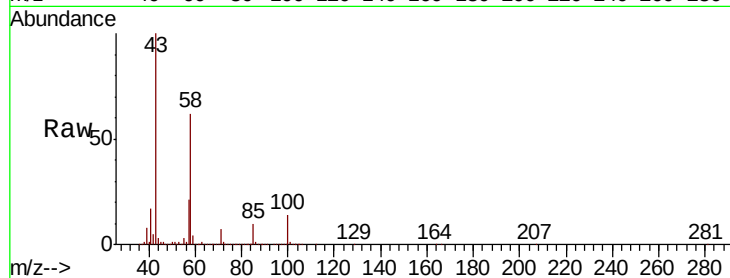


#48
2-Hexanone
Concen: 428.040 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD20075

Tgt Ion: 43 Resp: 2049411

Ion	Ratio	Lower	Upper
43	100		
58	62.6	48.2	72.4
57	20.8	15.9	23.9
100	14.4	11.0	16.4

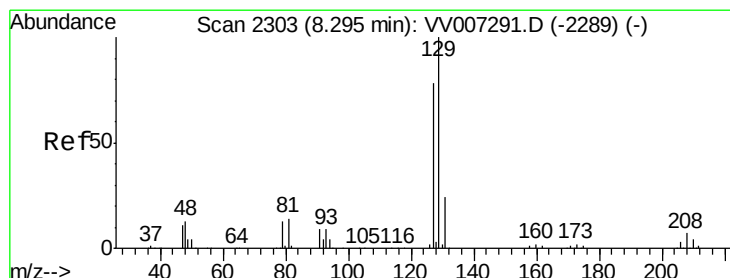
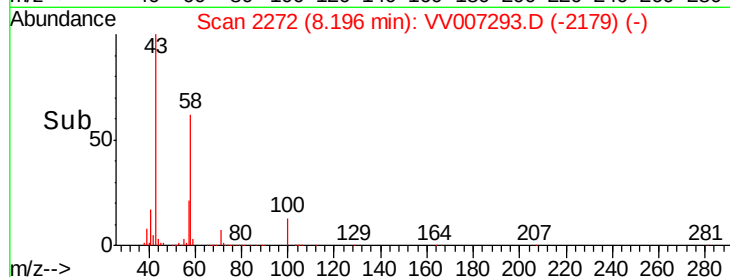
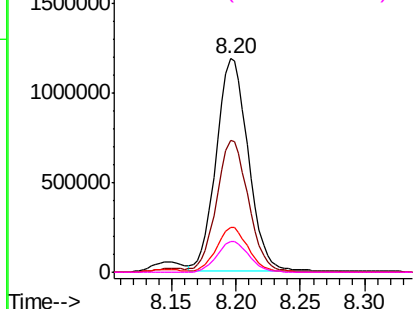


Abundance Ion 43.00 (42.70 to 43.70): VV007293.D (-2179) (-)

Ion 58.00 (57.70 to 58.70): VV007293.D (-2179) (-)

Ion 57.00 (56.70 to 57.70): VV007293.D (-2179) (-)

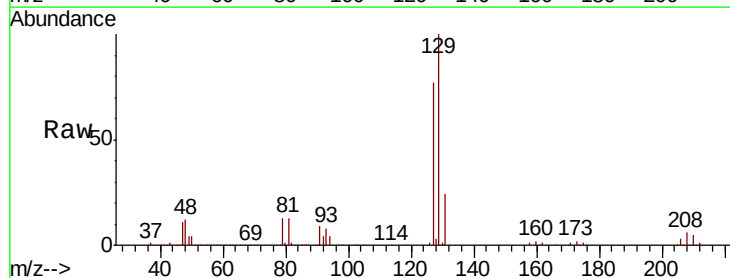
Ion 100.00 (99.70 to 100.70): VV007293.D (-2179) (-)



#49
Dibromochloromethane
Concen: 205.041 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV007293.D
Acq: 31 Aug 2018 11:21

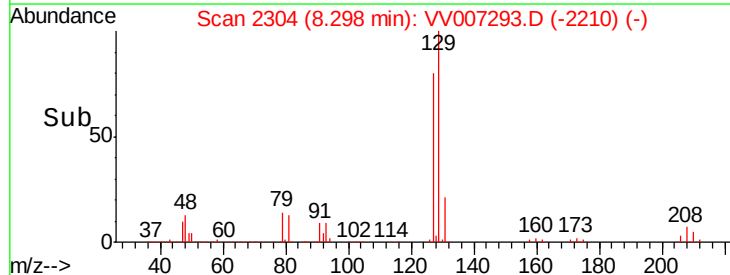
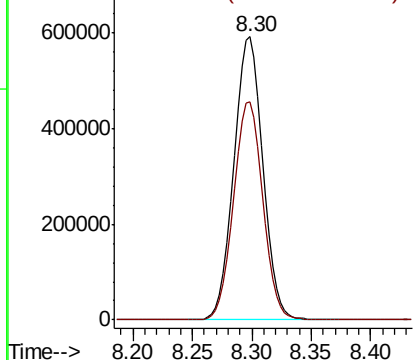
Tgt Ion: 129 Resp: 1004556

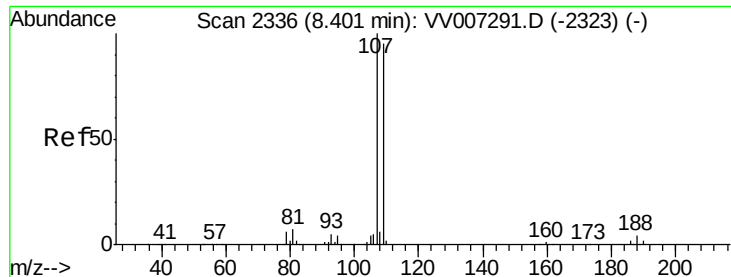
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VV007293.D (-2210) (-)

Ion 127.00 (126.70 to 127.70): VV007293.D (-2210) (-)

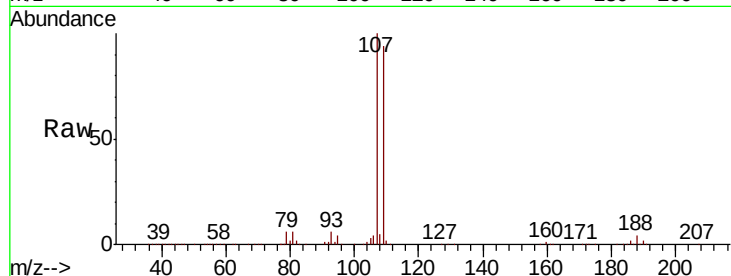




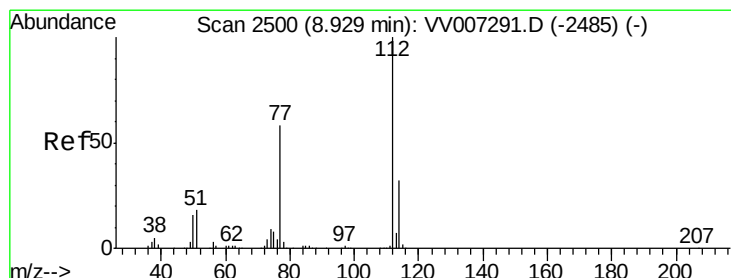
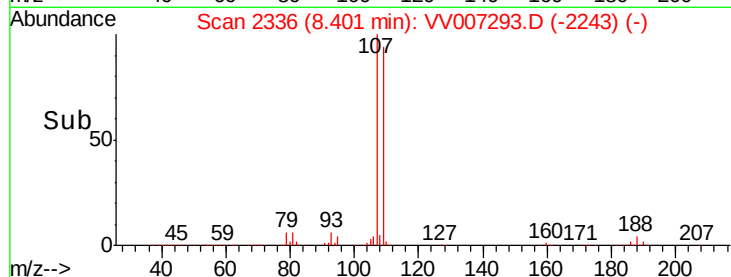
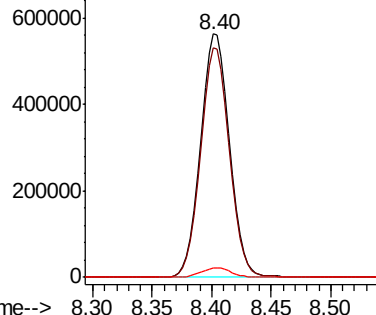
#50
 1,2-Dibromoethane
 Concen: 198.300 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

Tgt Ion:107 Resp: 950141
 Ion Ratio Lower Upper
 107 100
 109 94.3 66.7 123.9
 188 3.9 3.3 4.9

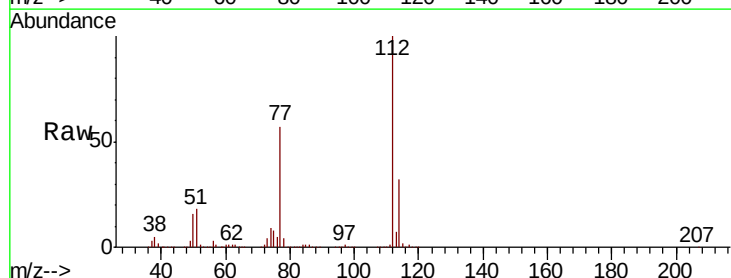


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

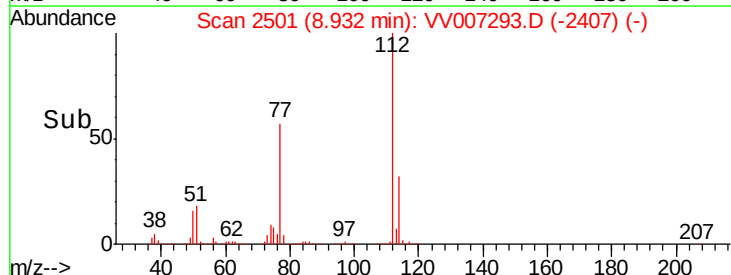
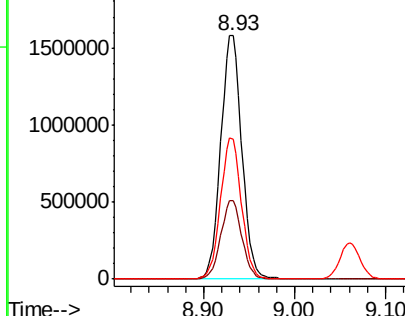


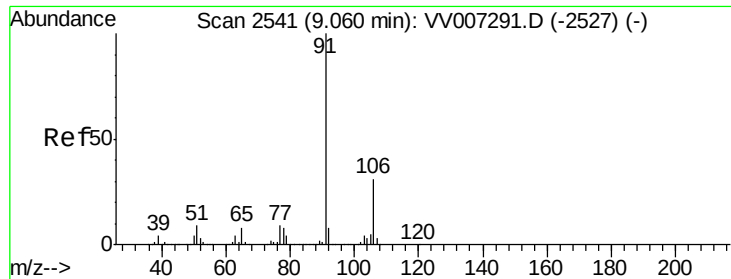
#51
 Chlorobenzene
 Concen: 200.104 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion:112 Resp: 2539728
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.4 41.6
 77 57.3 46.2 69.4



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





#52

Ethylbenzene

Concen: 219.074 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

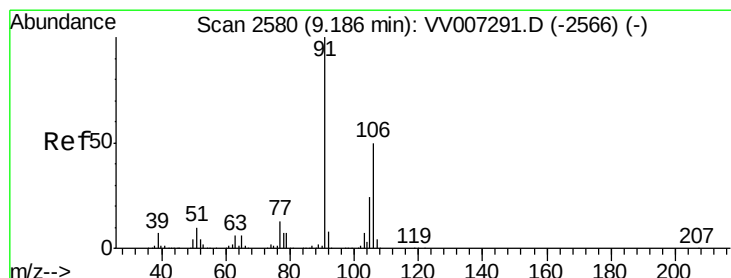
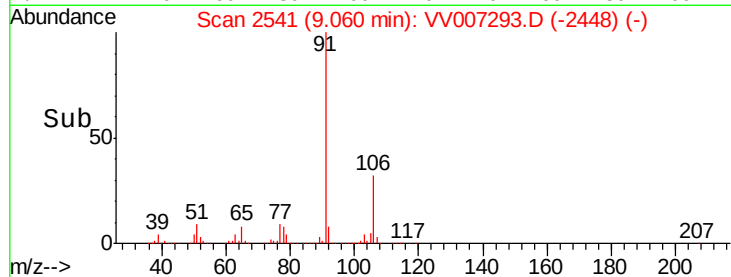
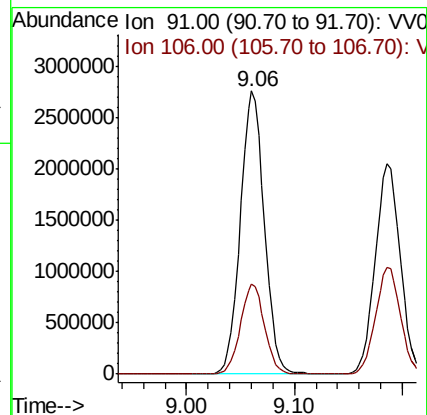
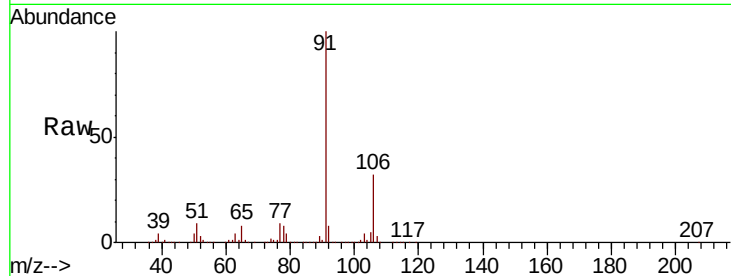
VSTD20075

Tgt Ion: 91 Resp: 4277743

Ion Ratio Lower Upper

91 100

106 31.9 21.7 40.3



#53

m,p-Xylene

Concen: 225.362 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007293.D

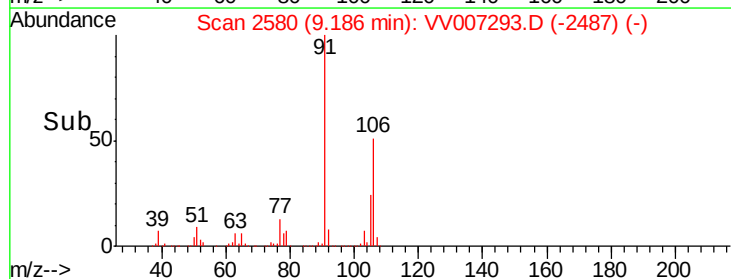
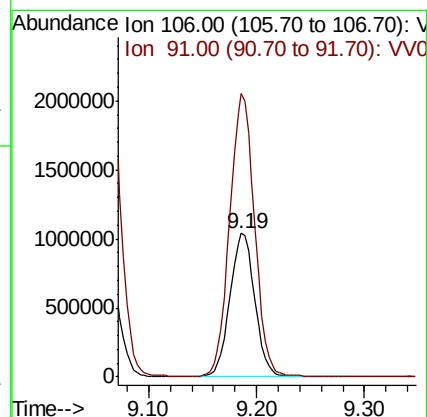
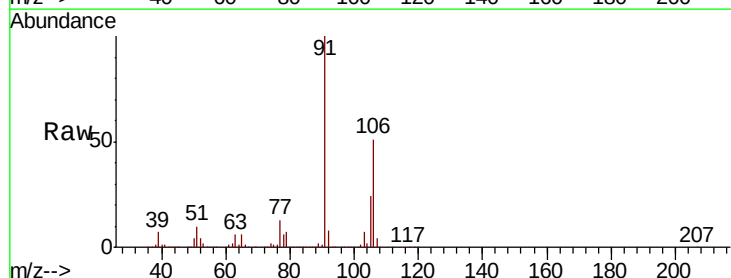
Acq: 31 Aug 2018 11:21

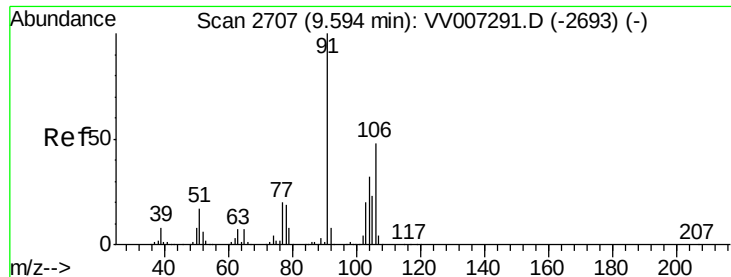
Tgt Ion: 106 Resp: 1667812

Ion Ratio Lower Upper

106 100

91 197.0 140.1 260.3





#54

o-xylene

Concen: 231.487 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

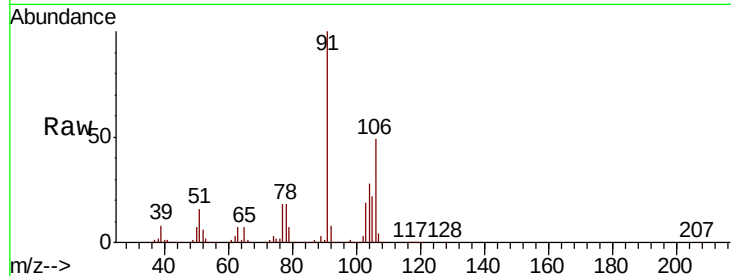
VSTD20075

Tgt Ion:106 Resp: 1650220

Ion Ratio Lower Upper

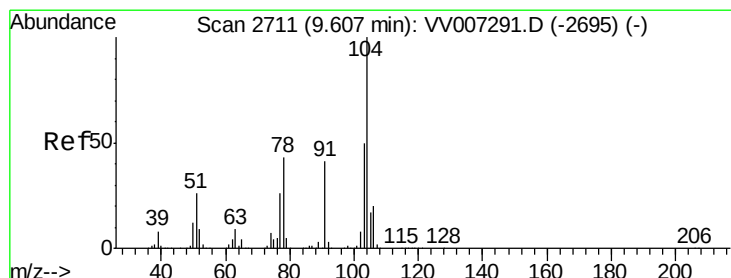
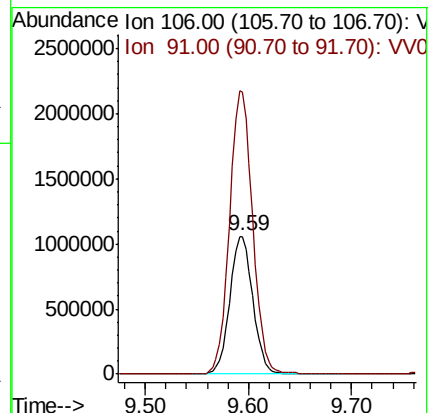
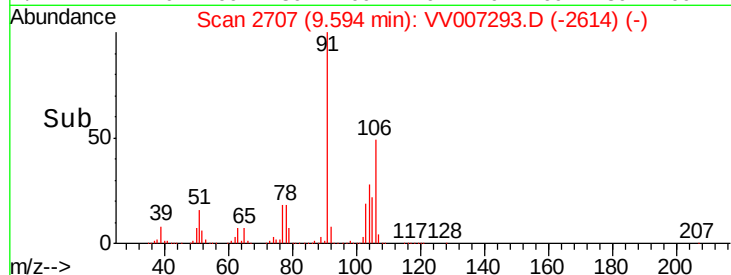
106 100

91 205.3 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 236.365 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007293.D

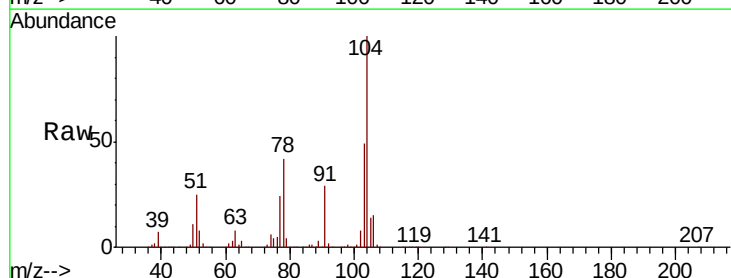
Acq: 31 Aug 2018 11:21

Tgt Ion:104 Resp: 2907836

Ion Ratio Lower Upper

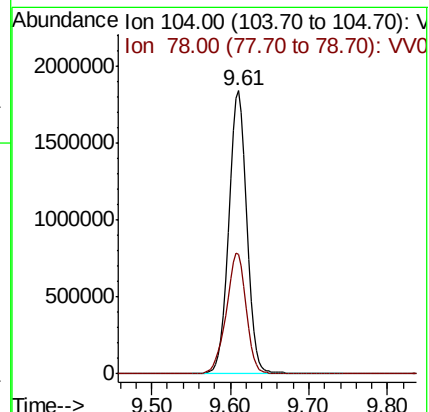
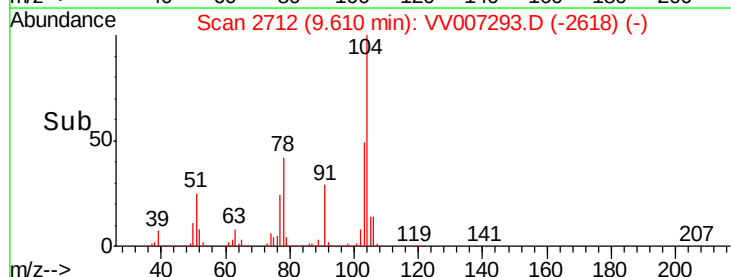
104 100

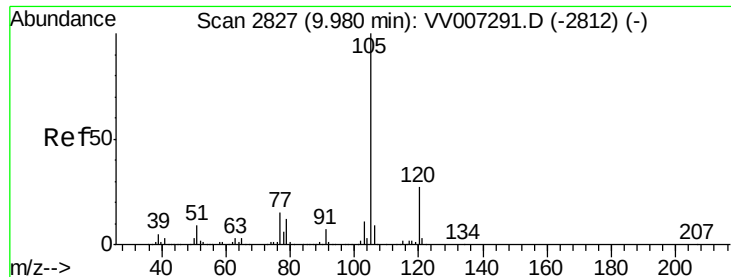
78 42.2 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 233.522 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

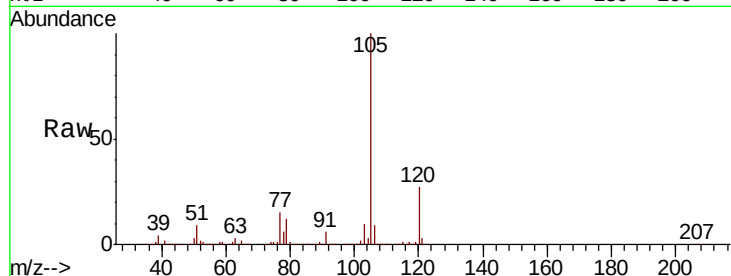
Tgt Ion:105 Resp: 4248793

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

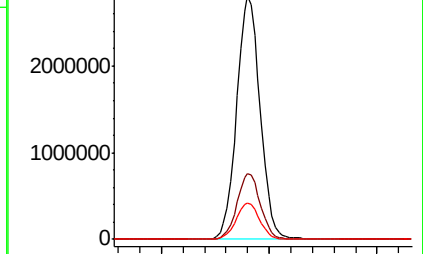
77 15.0 12.1 18.1



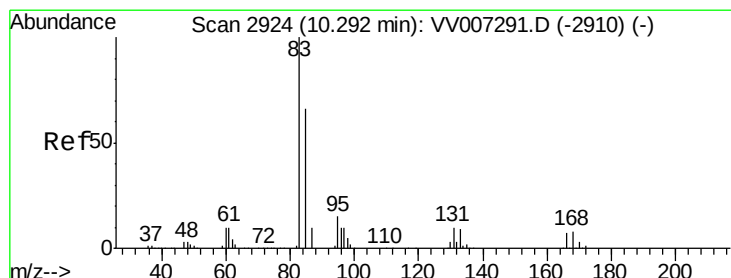
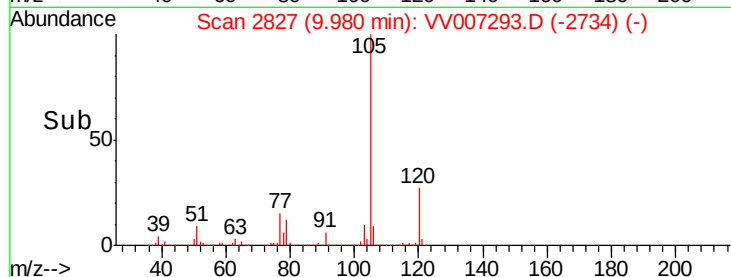
Abundance Ion 105.00 (104.70 to 105.70): VV007291.D (-2812) (-)

Ion 120.00 (119.70 to 120.70): VV007291.D (-2812) (-)

Ion 77.00 (76.70 to 77.70): VV007291.D (-2812) (-)



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 195.968 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

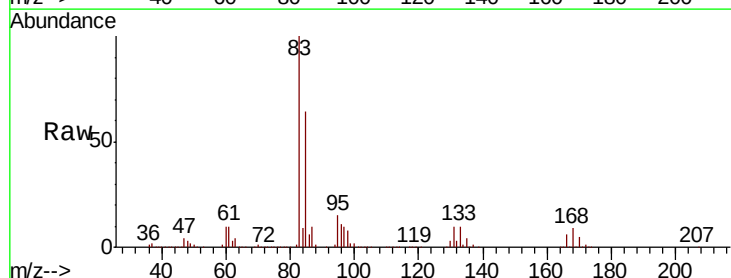
Tgt Ion: 83 Resp: 1533032

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.5

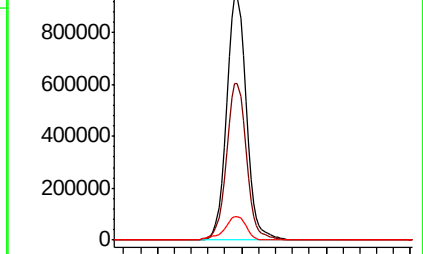
131 9.8 7.9 11.9



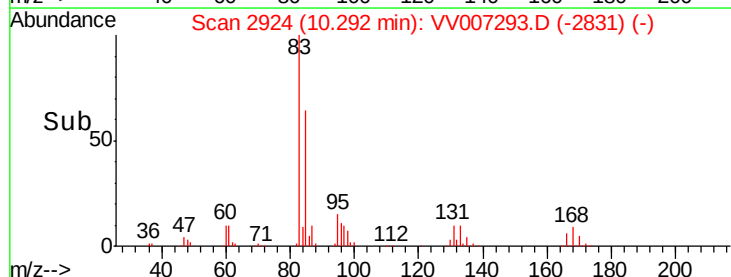
Abundance Ion 83.00 (82.70 to 83.70): VV007291.D (-2910) (-)

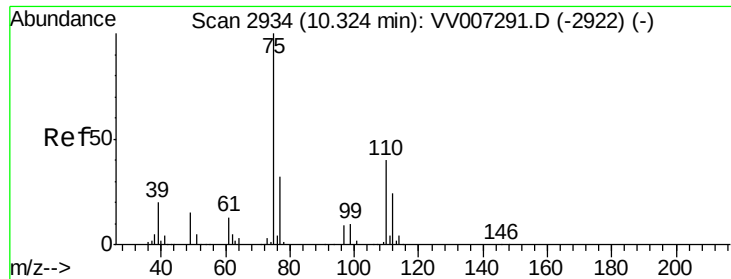
Ion 85.00 (84.70 to 85.70): VV007291.D (-2910) (-)

Ion 131.00 (130.70 to 131.70): VV007291.D (-2910) (-)



Time-->

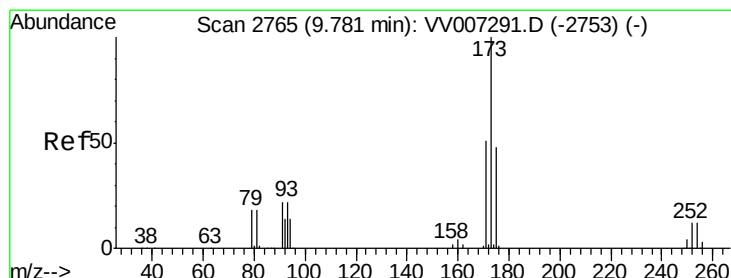
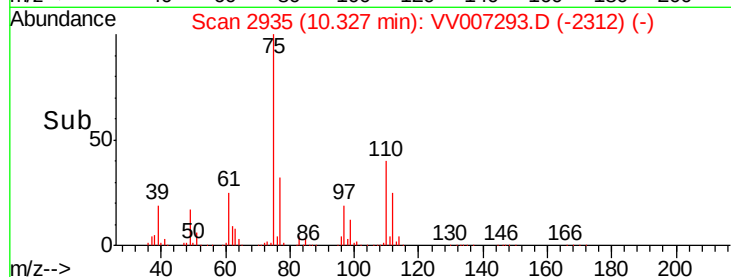
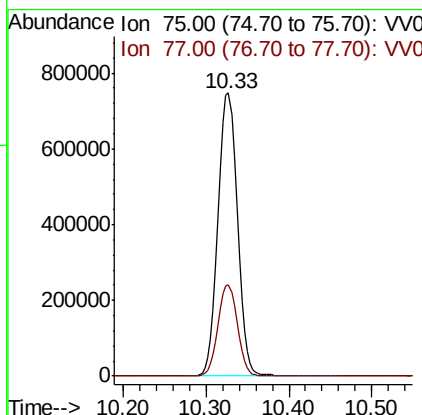
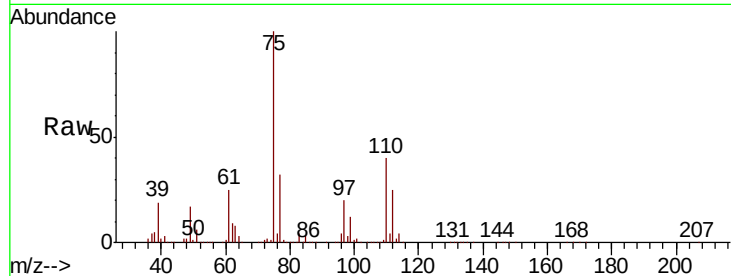




#59
 1,2,3-Trichloropropane
 Concen: 194.324 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

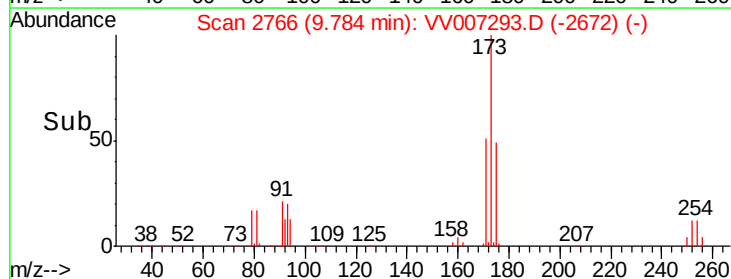
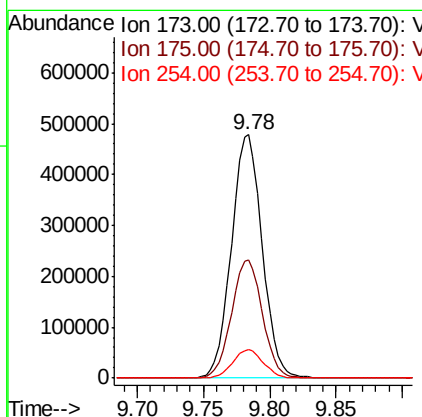
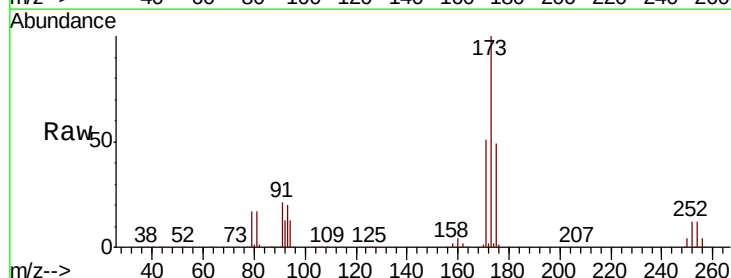
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

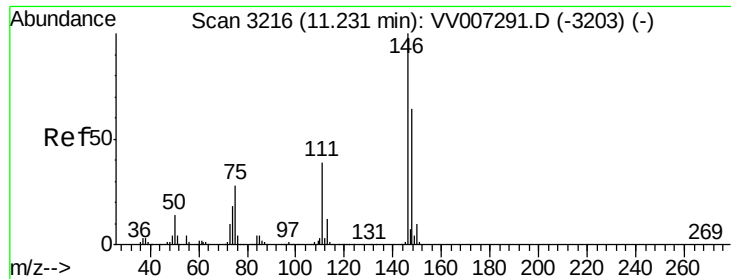
Tgt Ion: 75 Resp: 1214135
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.9 38.9



#61
 Bromoform
 Concen: 186.431 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion: 173 Resp: 770520
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.3 57.5
 254 11.7 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 194.333 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

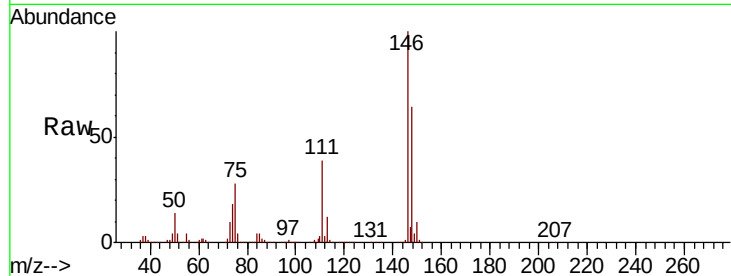
Tgt Ion:146 Resp: 2019683

Ion Ratio Lower Upper

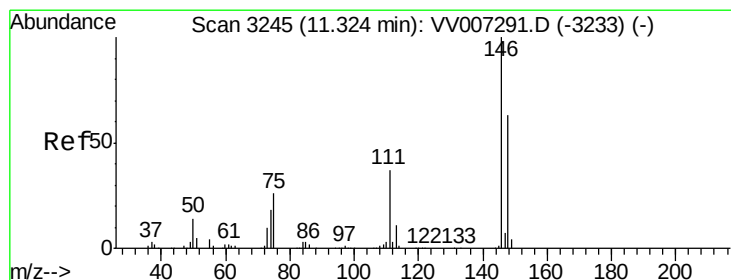
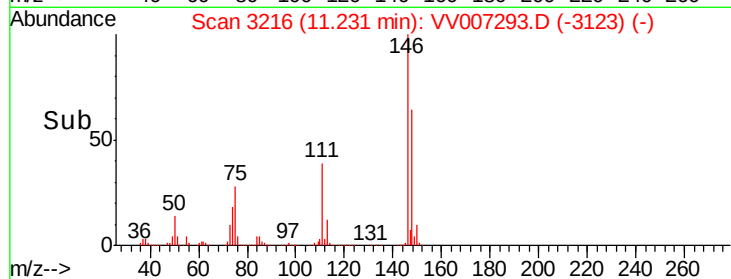
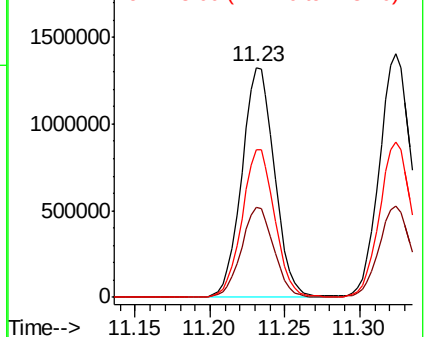
146 100

111 39.2 27.2 50.6

148 64.2 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 189.161 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

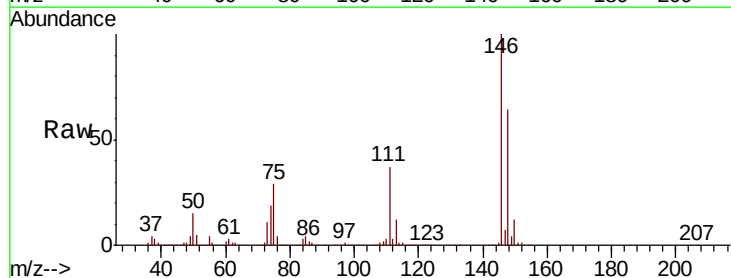
Tgt Ion:146 Resp: 2126958

Ion Ratio Lower Upper

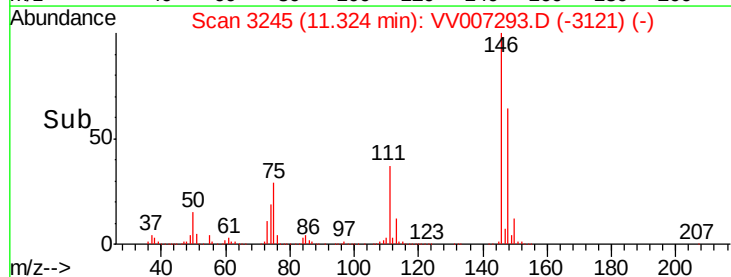
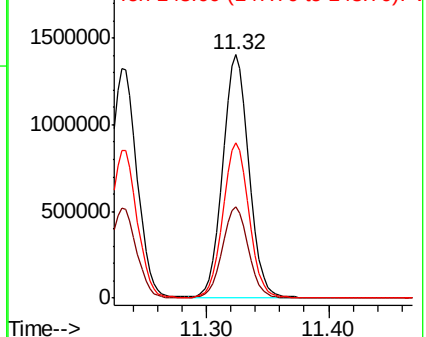
146 100

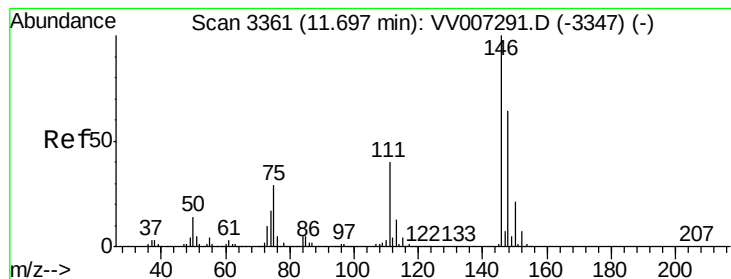
111 37.3 25.8 48.0

148 63.9 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 188.806 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

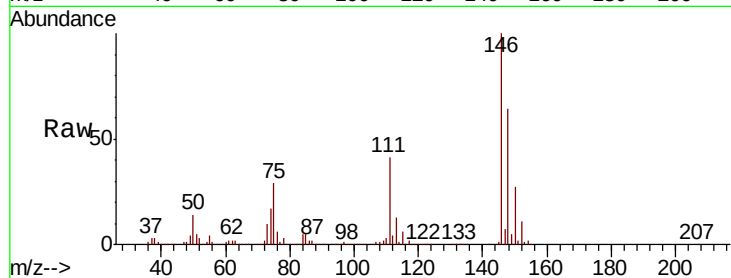
Tgt Ion:146 Resp: 2112810

Ion Ratio Lower Upper

146 100

111 40.8 32.2 48.2

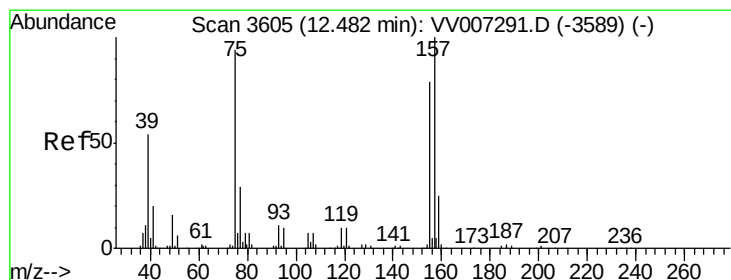
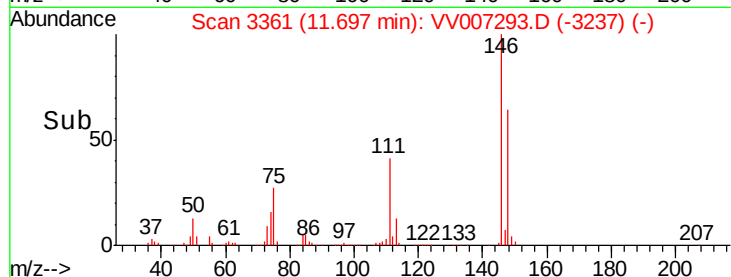
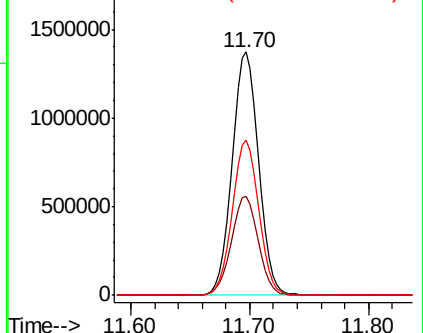
148 63.8 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 203.299 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

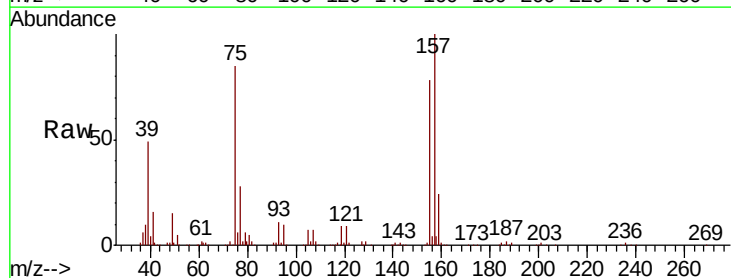
Tgt Ion: 75 Resp: 331892

Ion Ratio Lower Upper

75 100

155 91.4 67.1 100.7

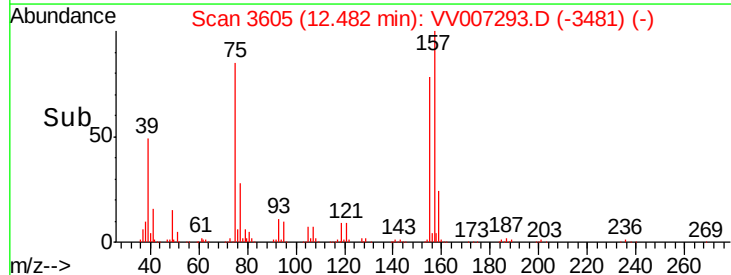
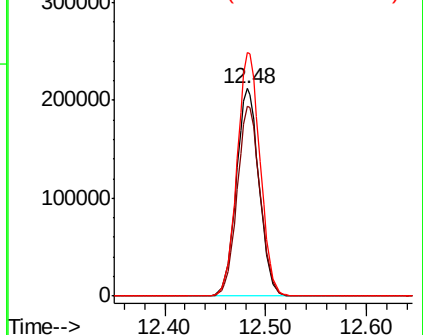
157 117.5 85.4 128.2

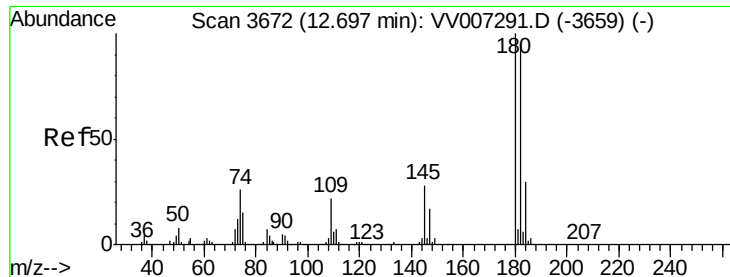


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

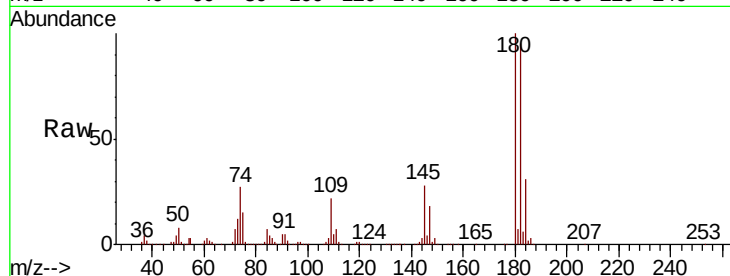




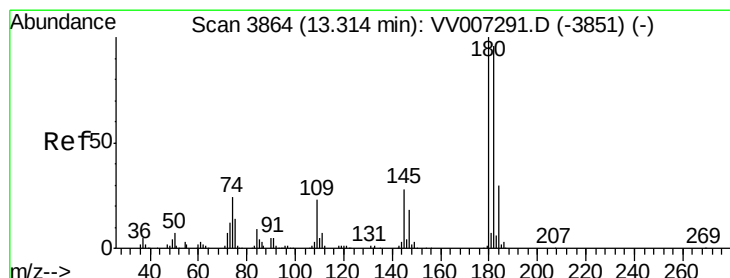
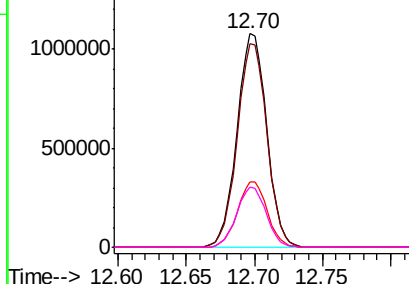
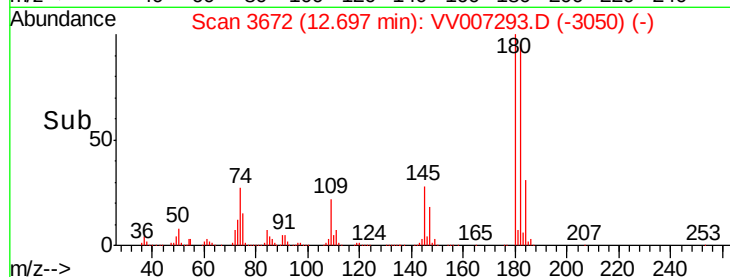
#67
 1,3,5-Trichlorobenzene
 Concen: 211.841 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20075

Tgt Ion:	180	Resp:	1623304
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.8	24.1	36.1
145	28.2	22.3	33.5

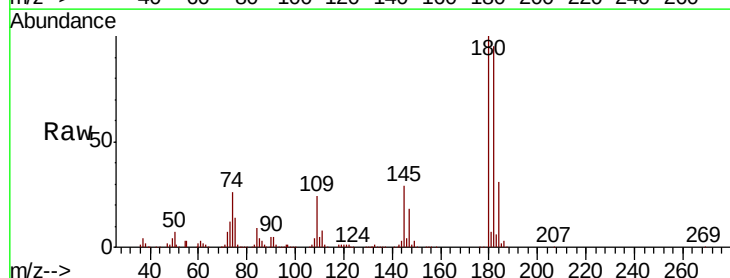


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

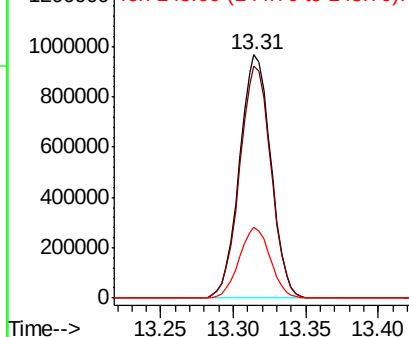
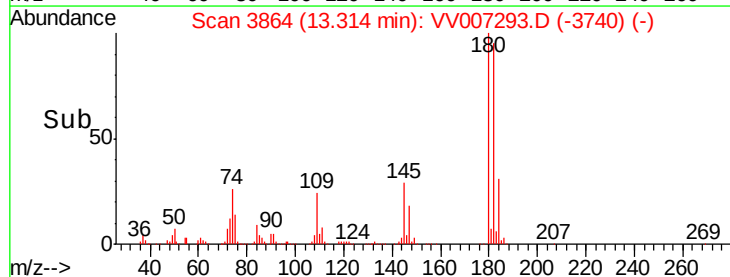


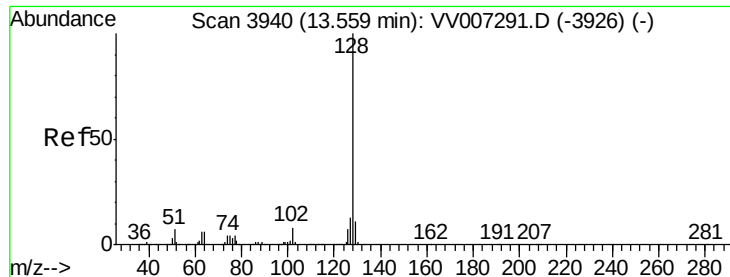
#68
 1,2,4-trichlorobenzene
 Concen: 248.942 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007293.D
 Acq: 31 Aug 2018 11:21

Tgt Ion:	180	Resp:	1451519
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.2	115.8
145	28.9	22.8	34.2



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





#69

Naphthalene

Concen: 277.824 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD20075

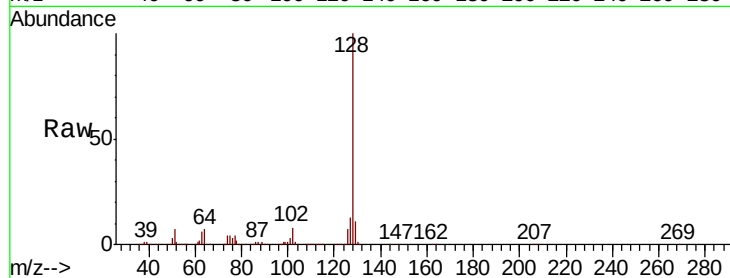
Tgt Ion:128 Resp: 4553526

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

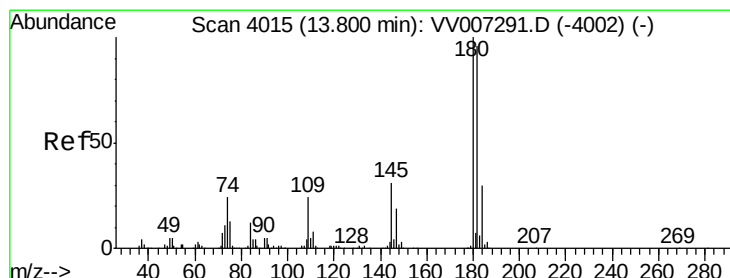
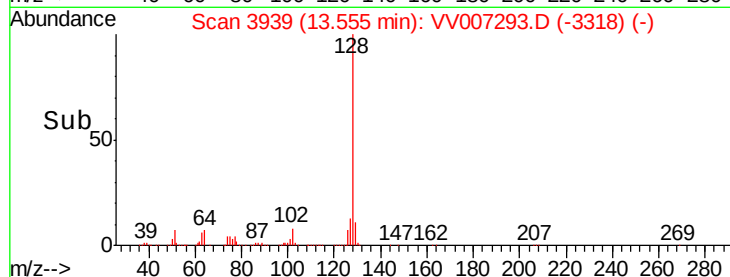
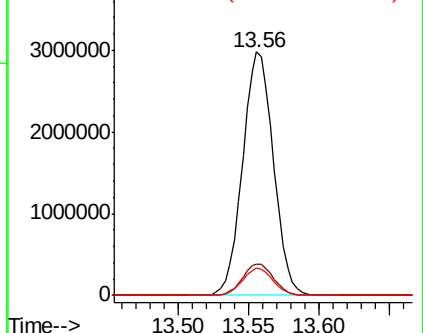
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 238.173 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007293.D

Acq: 31 Aug 2018 11:21

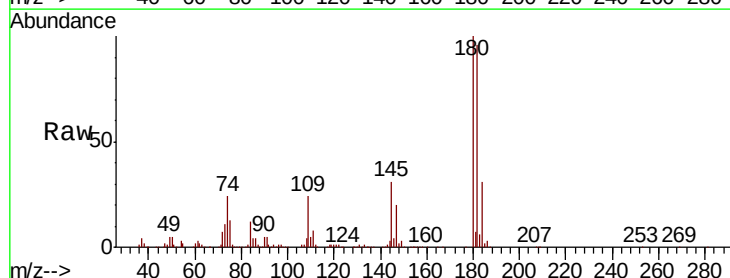
Tgt Ion:180 Resp: 1502965

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 30.8 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

