

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007290.D
 Acq On : 31 Aug 2018 10:07
 Operator : SY/MD
 Sample : VSTD01072
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Quant Time: Aug 31 23:39:11 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	618393	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	594349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	254446	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38362	9.13	ug/L	0.00
7) Chloroethane-d5	1.58	69	25853	7.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	70984	9.58	ug/L	0.00
21) 2-Butanone-d5	3.96	46	58516	18.38	ug/L	0.00
24) Chloroform-d	4.41	84	83748	10.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	50533	10.05	ug/L	0.00
32) Benzene-d6	5.11	84	153086	9.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	53746	9.78	ug/L	0.00
41) Toluene-d8	7.36	98	131608	8.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	21709	9.02	ug/L	0.00
47) 2-Hexanone-d5	8.15	63	31879	17.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	72642	9.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	51482	9.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	42490	8.649 ug/L	# 85
3) Chloromethane	1.26	50	58300	10.093 ug/L	95
5) Vinyl chloride	1.33	62	53166	10.312 ug/L	100
6) Bromomethane	1.54	94	25976	14.360 ug/L	100
8) Chloroethane	1.59	64	25711	8.837 ug/L	95
9) Trichlorofluoromethane	1.77	101	69472	10.632 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	42144	10.561 ug/L	99
12) 1,1-Dichloroethene	2.14	96	38957	10.235 ug/L	91
13) Acetone	2.21	43	64025	26.200 ug/L	97
14) Carbon disulfide	2.32	76	114961	9.899 ug/L	100
15) Methyl Acetate	2.47	43	43483	10.263 ug/L	98
16) Methylene chloride	2.54	84	46789	10.819 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	42357	10.297 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	129376	10.492 ug/L	99
19) 1,1-Dichloroethane	3.23	63	85717	10.262 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	46583	9.755 ug/L	99
22) 2-Butanone	4.05	43	73645	19.790 ug/L	99
23) Bromochloromethane	4.31	128	24657	10.082 ug/L	95
25) Chloroform	4.44	83	84293	10.297 ug/L	99
27) 1,2-Dichloroethane	5.19	62	61949	10.225 ug/L	99
29) Cyclohexane	4.73	56	56747	8.453 ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	70805	10.390 ug/L	99
31) Carbon tetrachloride	4.88	117	60533	10.347 ug/L	100
33) Benzene	5.15	78	179577	9.759 ug/L	100
34) Trichloroethene	5.96	95	43035	9.611 ug/L	98
35) Methylcyclohexane	6.18	83	59344	8.335 ug/L	96
37) 1,2-Dichloropropane	6.23	63	49556	10.153 ug/L	# 96
38) Bromodichloromethane	6.56	83	60295	10.083 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	61184	8.910 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	99877	17.457 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007290.D
 Acq On : 31 Aug 2018 10:07
 Operator : SY/MD
 Sample : VSTD01072
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Quant Time: Aug 31 23:39:11 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)

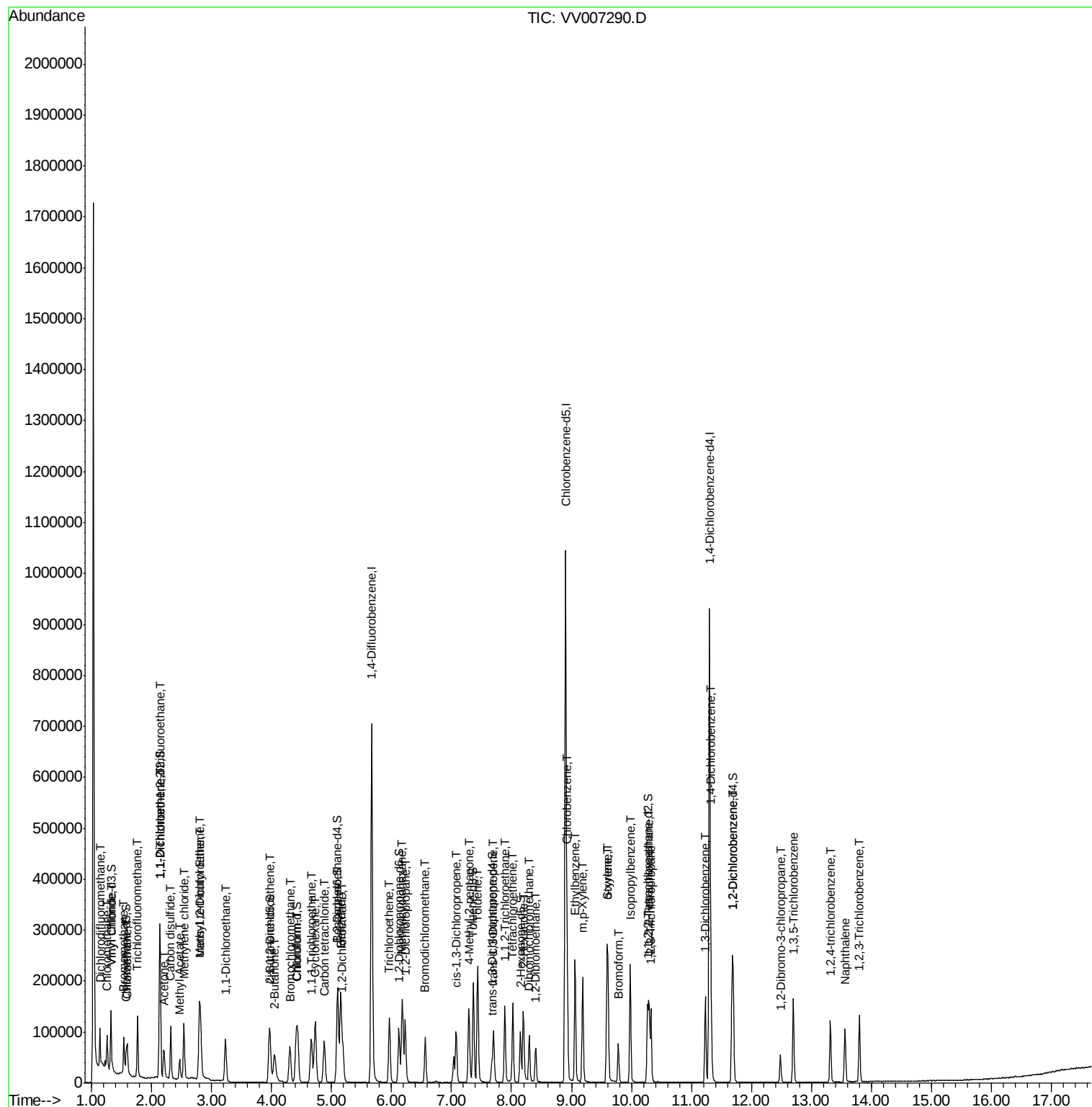
42) Toluene	7.44	91	167016	9.350	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	57460	9.046	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	46600	10.282	ug/L	98
46) Tetrachloroethene	8.02	164	36862	9.973	ug/L	97
48) 2-Hexanone	8.20	43	83300	18.284	ug/L	97
49) Dibromochloromethane	8.30	129	47617	10.214	ug/L	99
50) 1,2-Dibromoethane	8.40	107	45841	10.055	ug/L	99
51) Chlorobenzene	8.93	112	117957	9.767	ug/L	99
52) Ethylbenzene	9.06	91	162283	8.734	ug/L	99
53) m,p-Xylene	9.19	106	59273	8.417	ug/L	96
54) o-xylene	9.59	106	57068	8.413	ug/L	100
55) Styrene	9.61	104	93985	8.029	ug/L	100
56) Isopropylbenzene	9.98	105	143349	8.280	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	73994	9.941	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	59352	9.983	ug/L	100
61) Bromoform	9.78	173	34048	11.115	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	73674	9.564	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	83921	10.070	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	82971	10.004	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	13836	11.435	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	55244	9.727	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	39394	9.116	ug/L	99
69) Naphthalene	13.56	128	87491	7.202	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	43023	9.199	ug/L	97

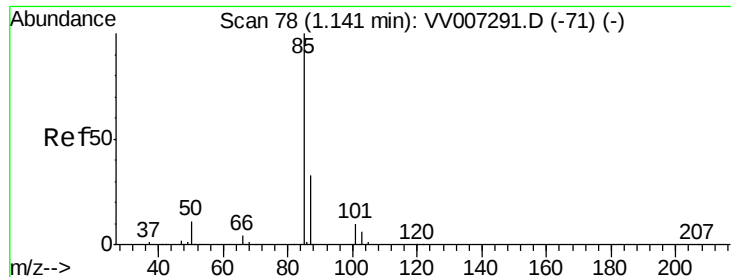
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
Data File : VV007290.D
Acq On : 31 Aug 2018 10:07
Operator : SY/MD
Sample : VSTD01072
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Quant Time: Aug 31 23:39:11 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





#2

Dichlorodifluoromethane

Concen: 8.649 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

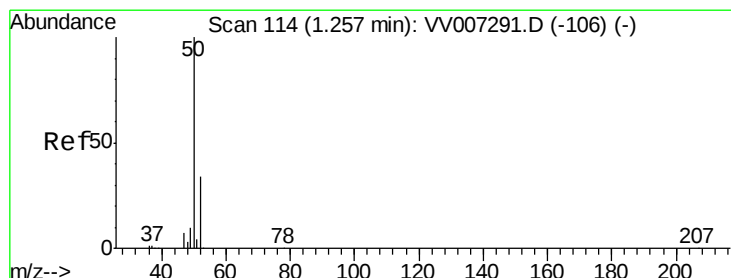
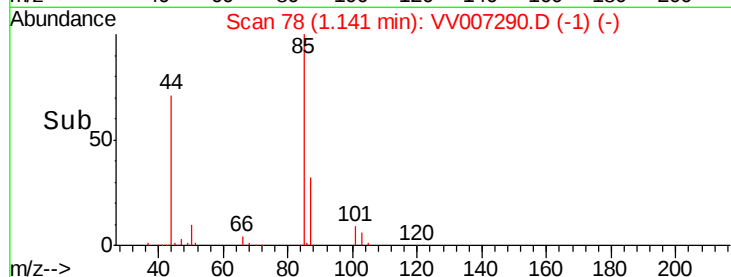
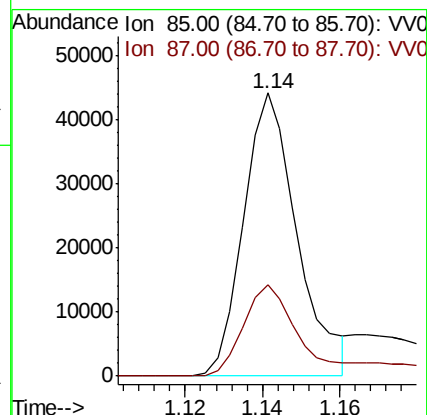
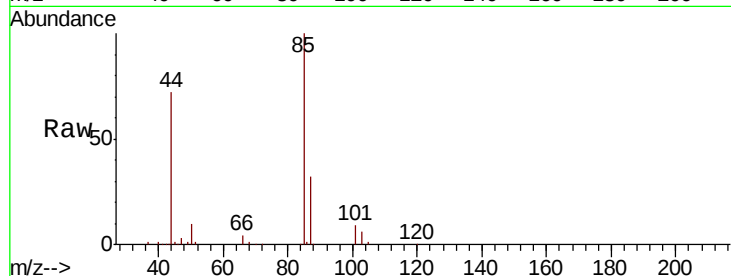
VSTD01072

Tgt Ion: 85 Resp: 42490

Ion Ratio Lower Upper

85 100

87 32.8 20.3 30.5#



#3

Chloromethane

Concen: 10.093 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007290.D

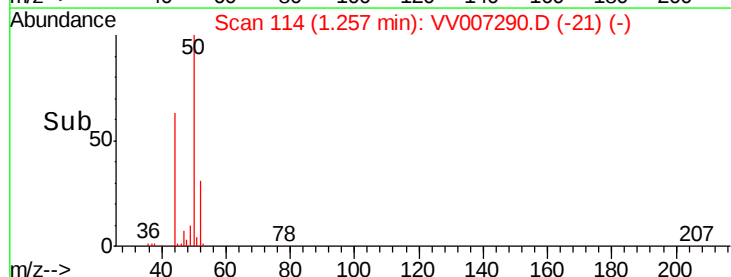
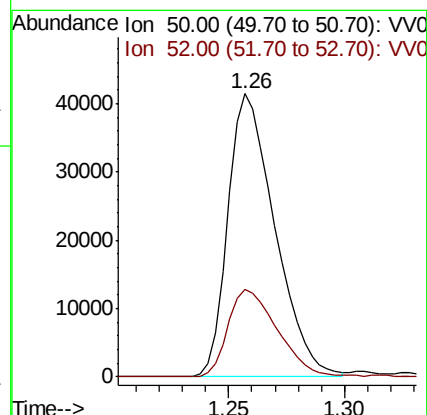
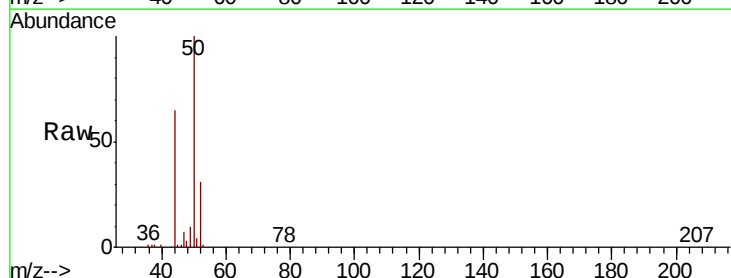
Acq: 31 Aug 2018 10:07

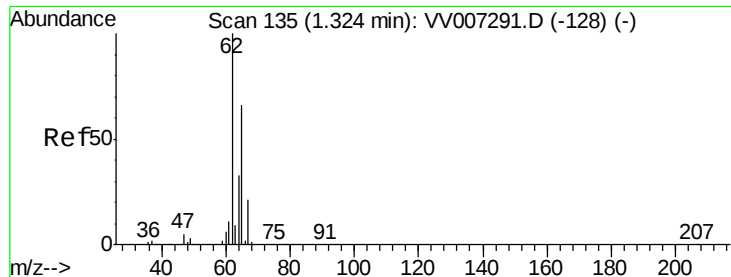
Tgt Ion: 50 Resp: 58300

Ion Ratio Lower Upper

50 100

52 30.8 23.6 43.8





#5

Vinyl chloride

Concen: 10.312 ug/L

RT: 1.33 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

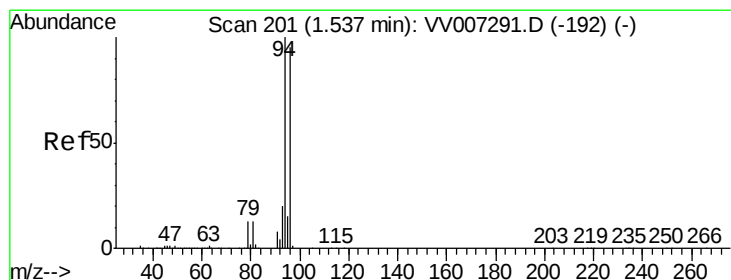
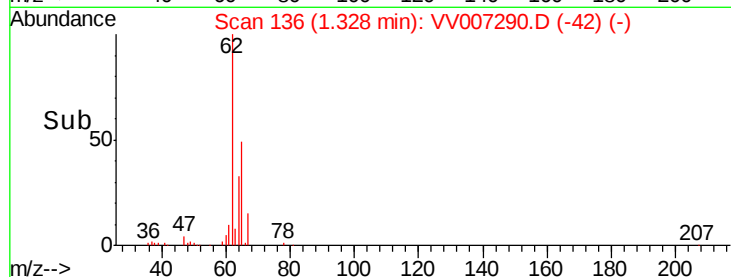
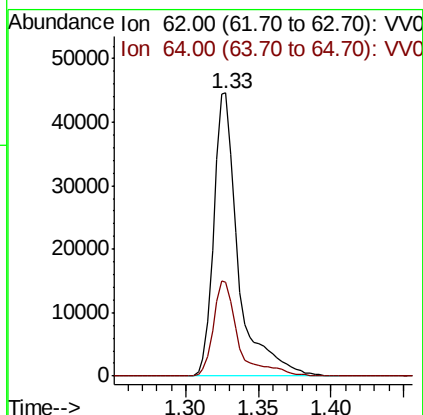
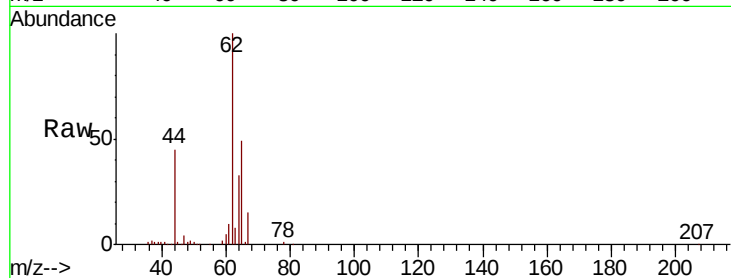
VSTD01072

Tgt Ion: 62 Resp: 53166

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 14.360 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007290.D

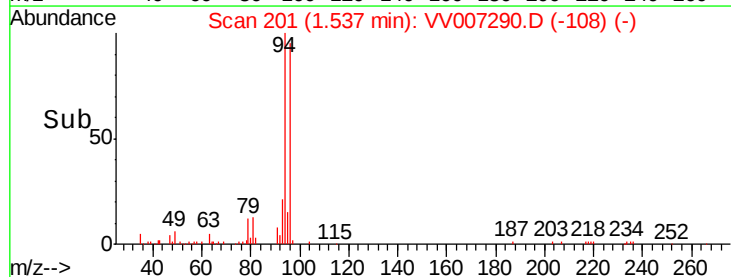
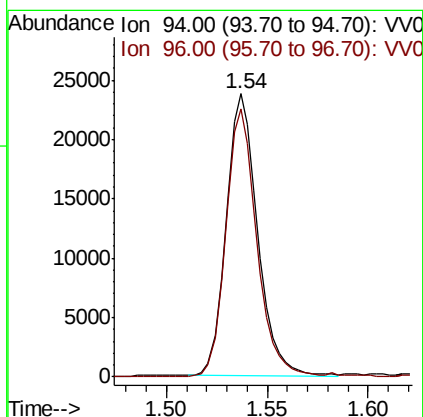
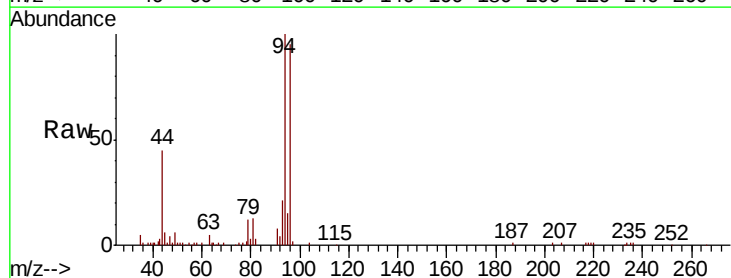
Acq: 31 Aug 2018 10:07

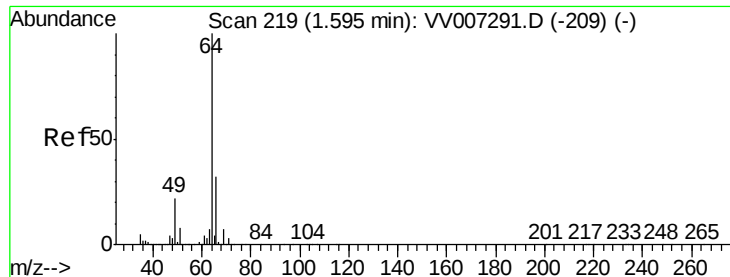
Tgt Ion: 94 Resp: 25976

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.7

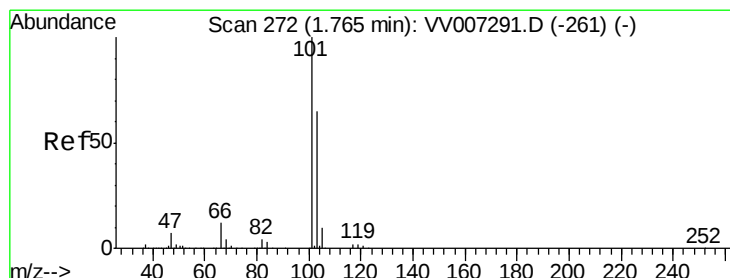
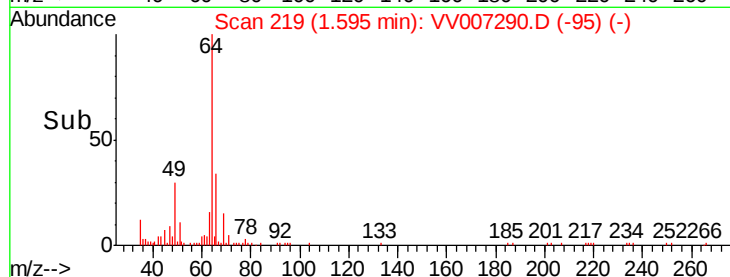
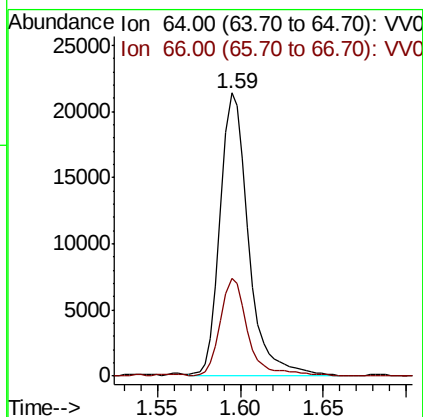
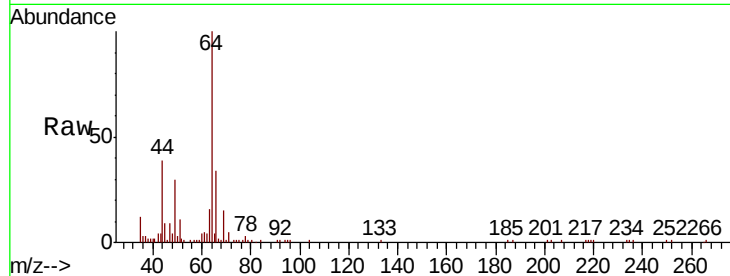




#8
Chloroethane
Concen: 8.837 ug/L
RT: 1.59 min Scan# 219
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

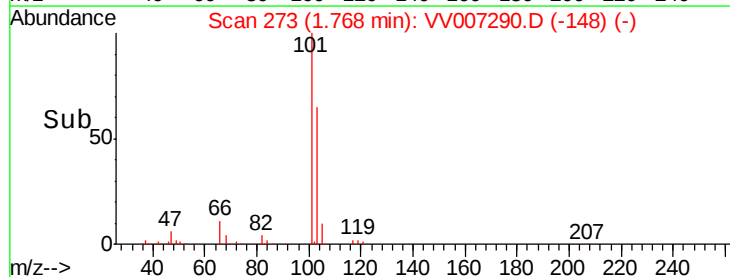
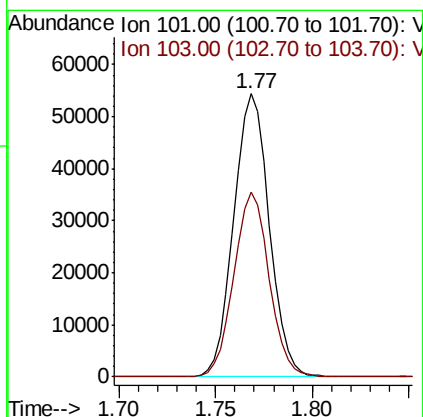
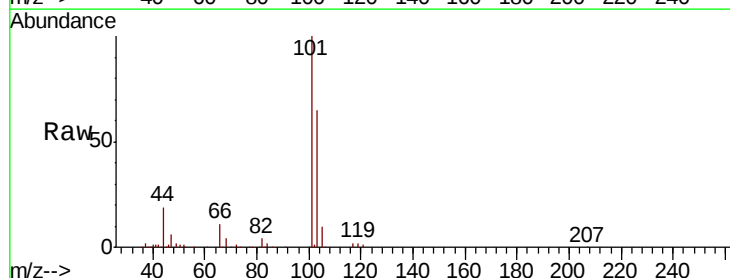
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

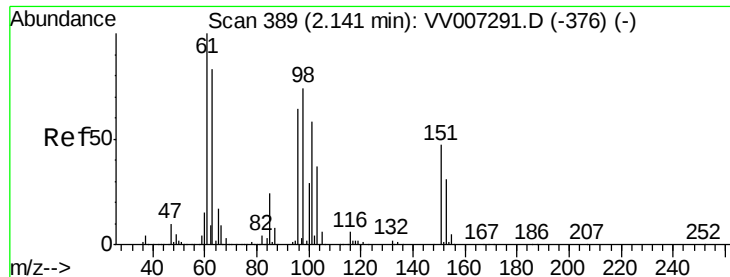
Tgt Ion: 64 Resp: 25711
Ion Ratio Lower Upper
64 100
66 34.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 10.632 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Tgt Ion: 101 Resp: 69472
Ion Ratio Lower Upper
101 100
103 64.9 52.3 78.5





#10

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

Concen: 10.561 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

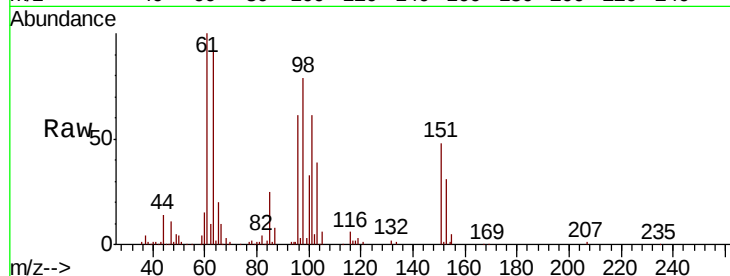
Tgt Ion: 101 Resp: 42144

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

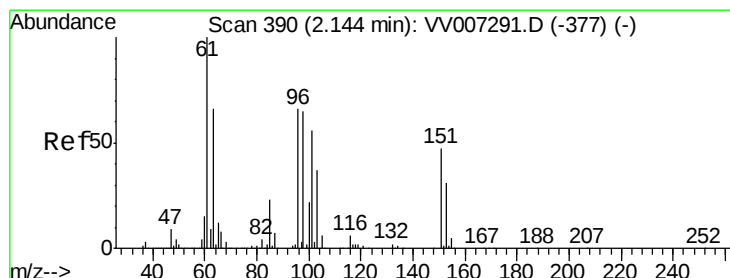
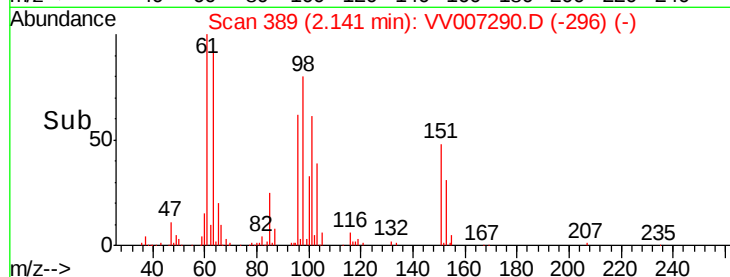
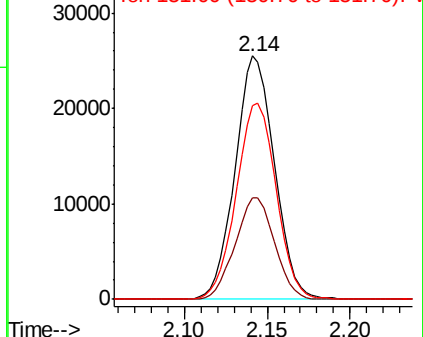
151 81.9 64.8 97.2



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) (-)



#12

1,1-Dichloroethene

Concen: 10.235 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

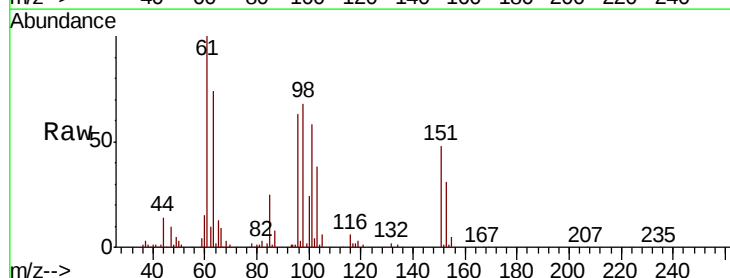
Tgt Ion: 96 Resp: 38957

Ion Ratio Lower Upper

96 100

61 158.0 106.3 197.5

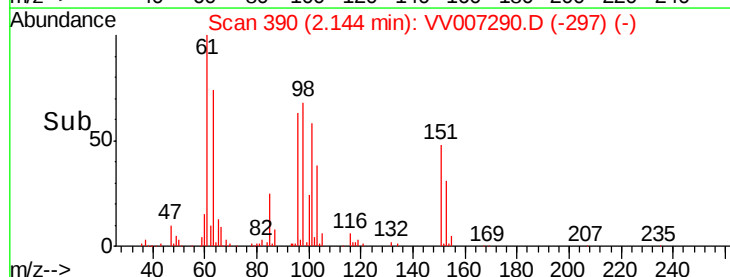
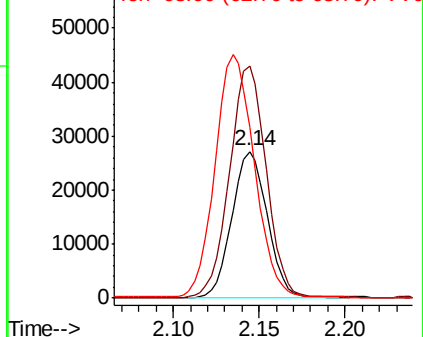
63 116.3 71.0 131.8

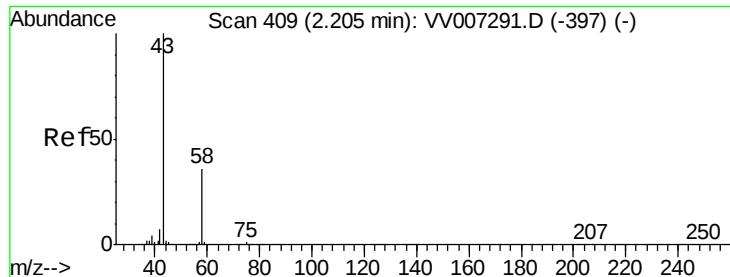


Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-377) (-)

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

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





#13

Acetone

Concen: 26.200 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

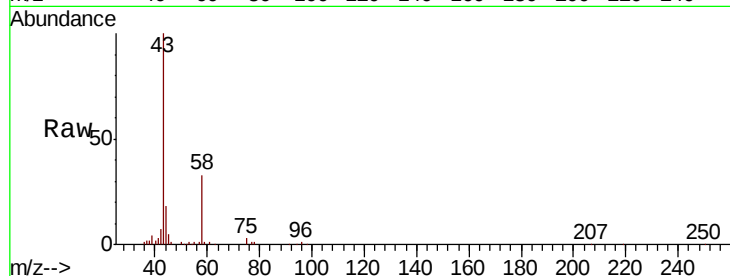
VSTD01072

Tgt Ion: 43 Resp: 64025

Ion Ratio Lower Upper

43 100

58 34.5 0.0 72.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VV007291.D (-397) (-)

2.21

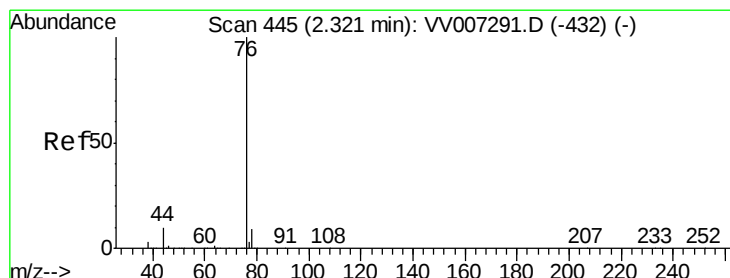
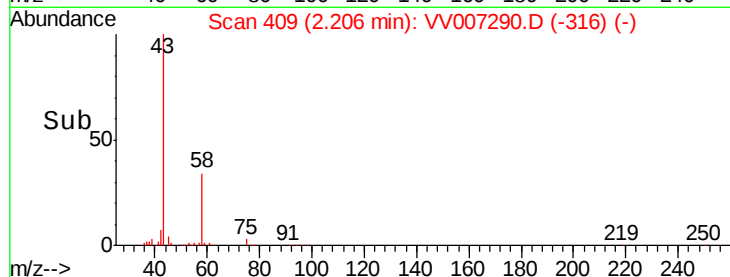
30000

20000

10000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 9.899 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007290.D

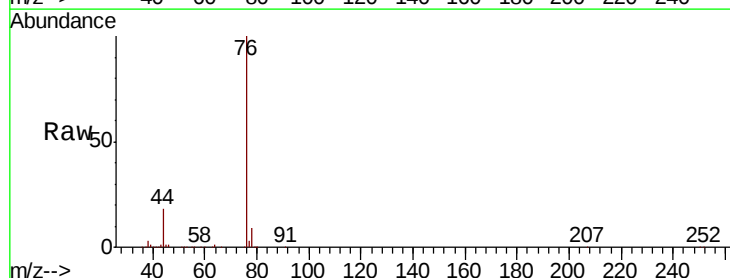
Acq: 31 Aug 2018 10:07

Tgt Ion: 76 Resp: 114961

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV007291.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007291.D (-432) (-)

2.32

80000

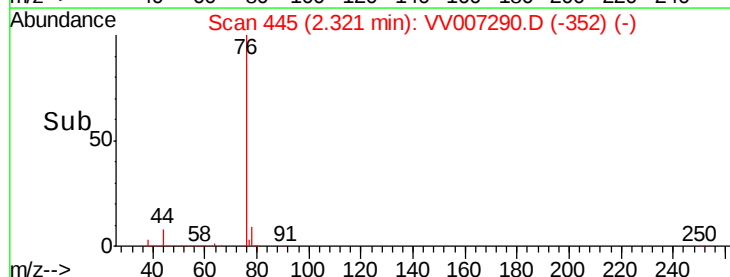
60000

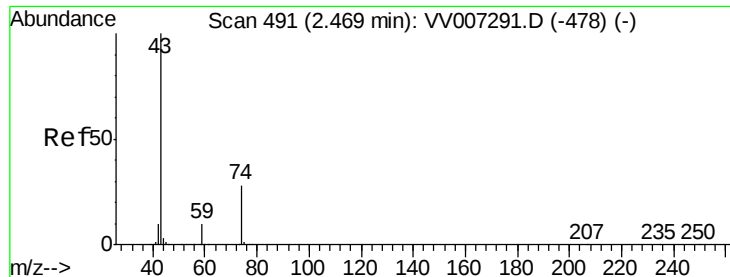
40000

20000

0

Time--> 2.25 2.30 2.35 2.40

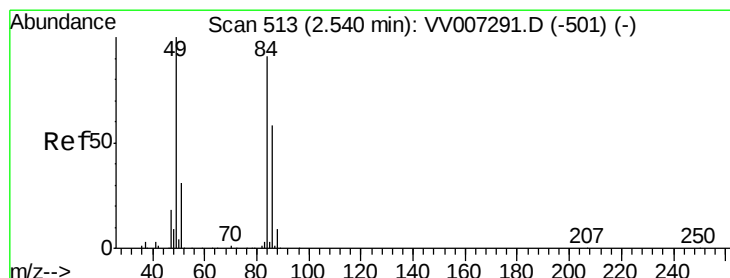
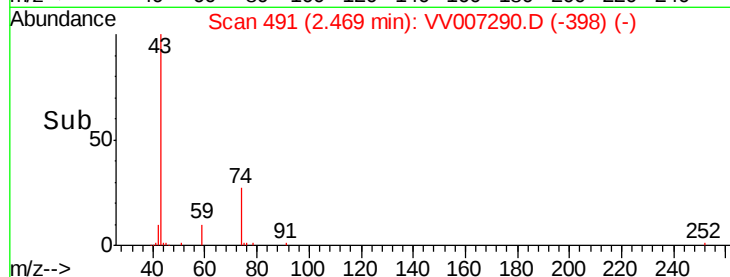
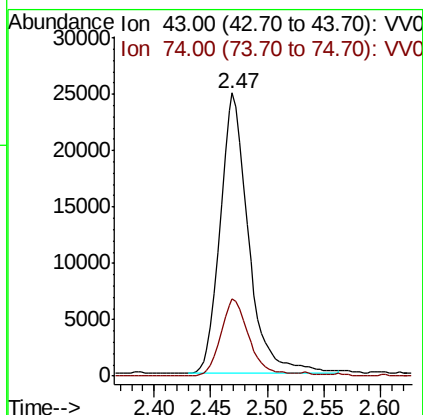
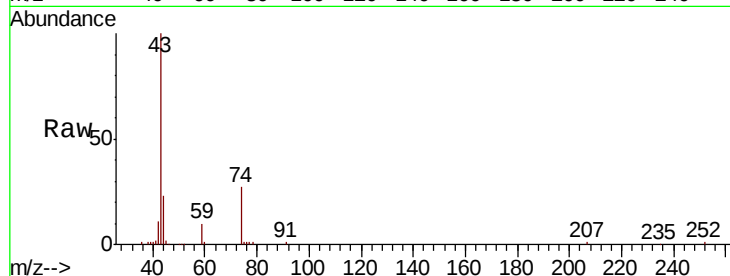




#15
Methyl Acetate
Concen: 10.263 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

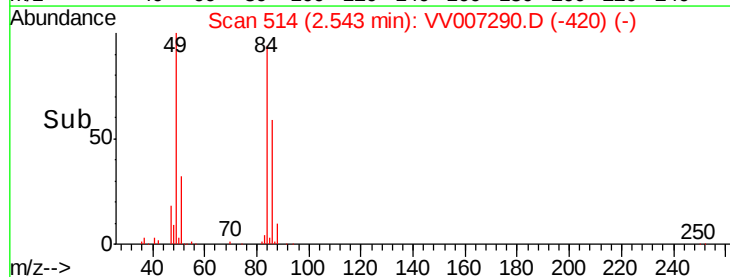
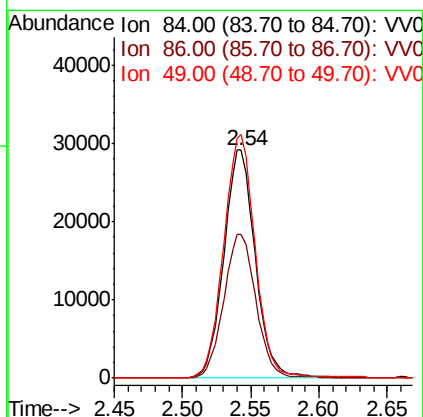
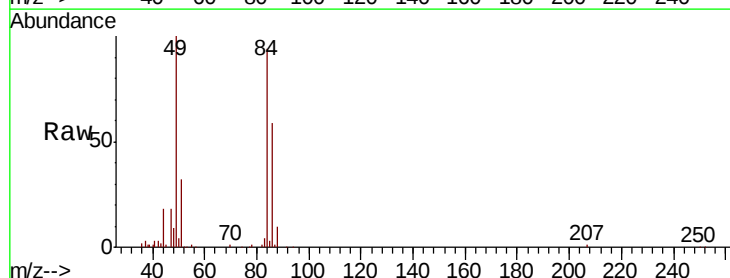
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

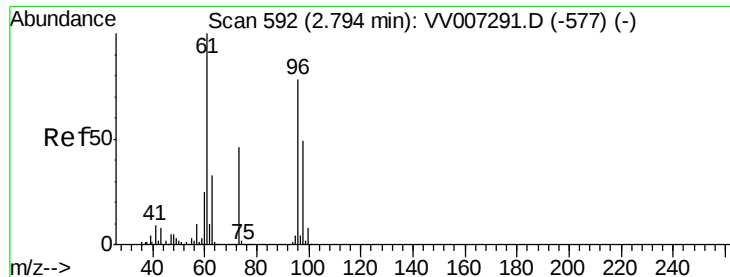
Tgt Ion: 43 Resp: 43483
Ion Ratio Lower Upper
43 100
74 27.6 21.4 32.2



#16
Methylene chloride
Concen: 10.819 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Tgt Ion: 84 Resp: 46789
Ion Ratio Lower Upper
84 100
86 63.1 44.9 83.3
49 106.8 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 10.297 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

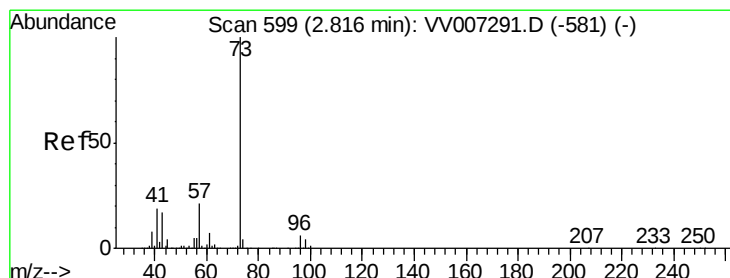
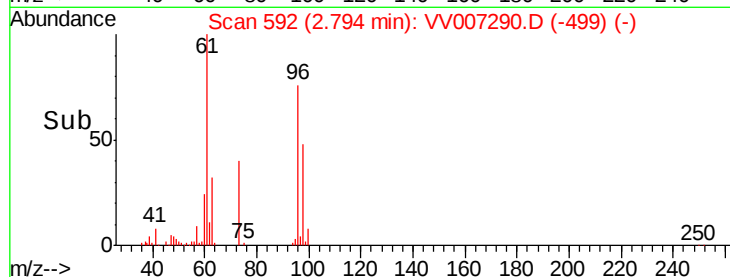
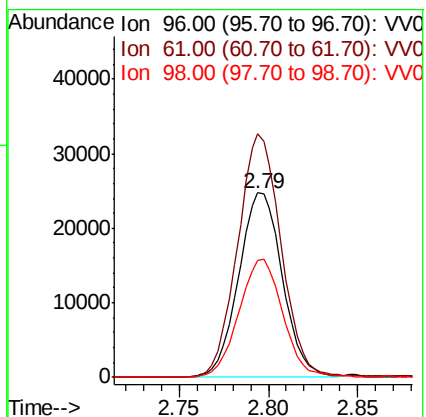
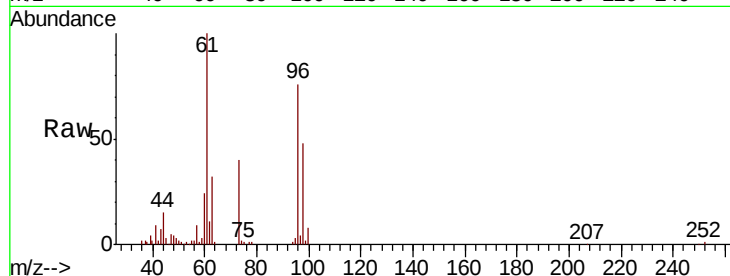
Tgt Ion: 96 Resp: 42357

Ion Ratio Lower Upper

96 100

61 132.2 90.4 167.8

98 63.3 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 10.492 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

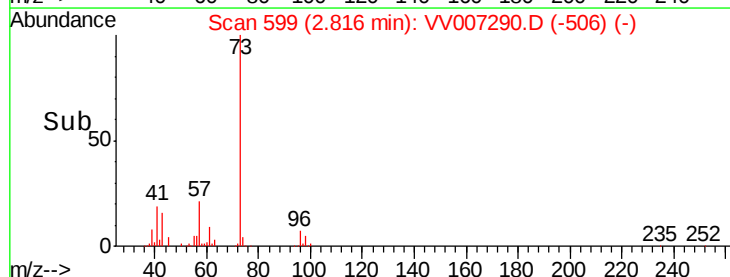
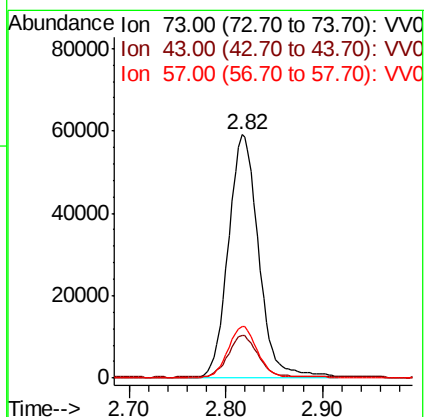
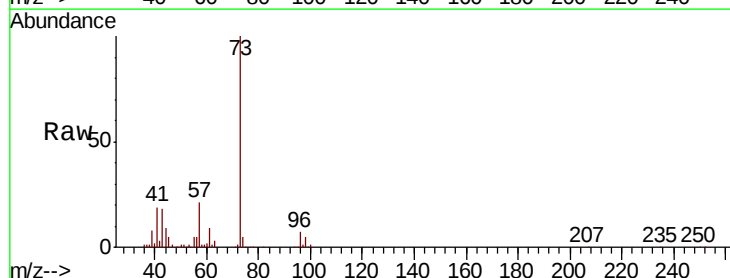
Tgt Ion: 73 Resp: 129376

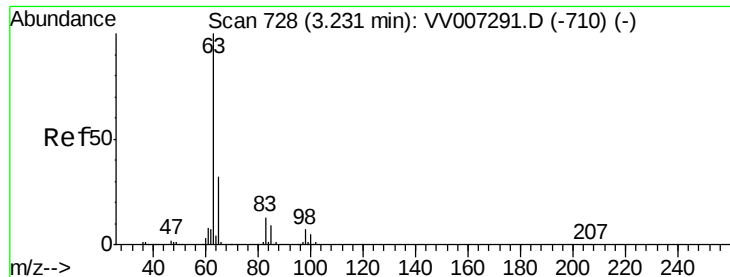
Ion Ratio Lower Upper

73 100

43 16.3 13.4 20.2

57 20.6 16.8 25.2





#19

1,1-Dichloroethane

Concen: 10.262 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

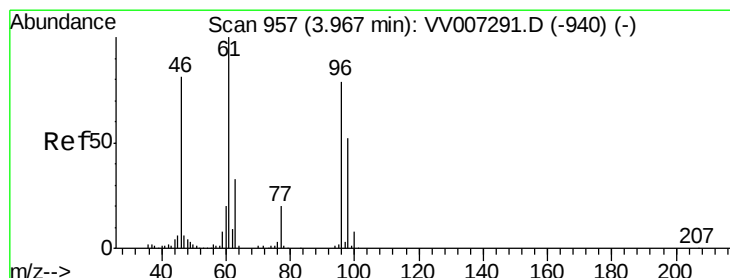
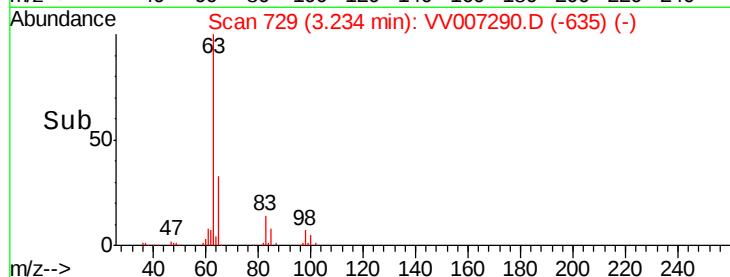
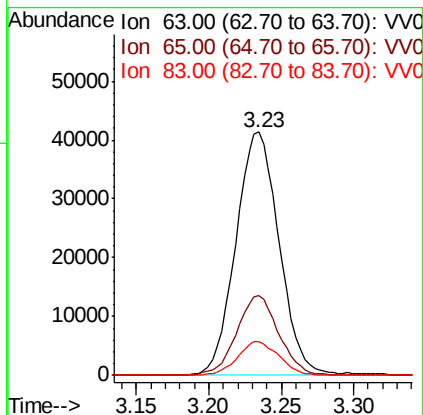
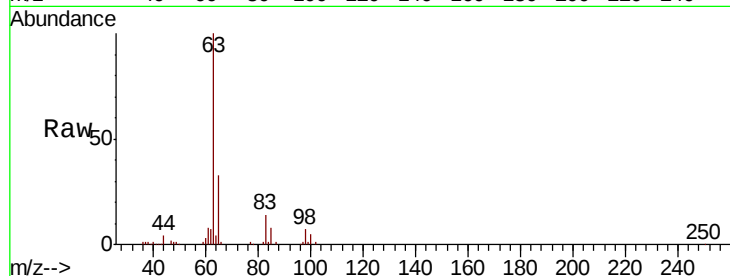
Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

Tgt Ion:	63	Resp:	85717
Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.0	41.0
83	13.8	8.8	16.4



#20

cis-1,2-Dichloroethene

Concen: 9.755 ug/L

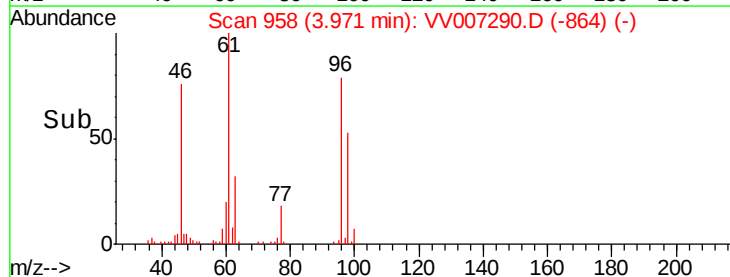
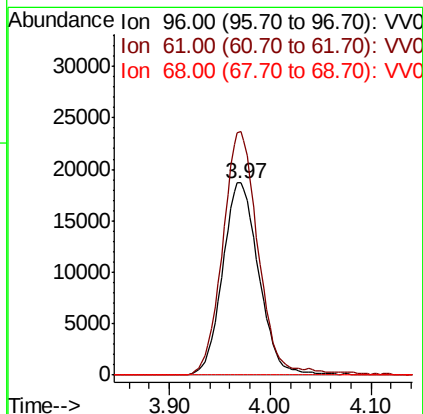
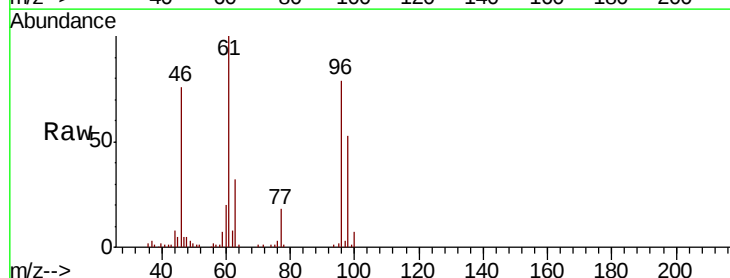
RT: 3.97 min Scan# 958

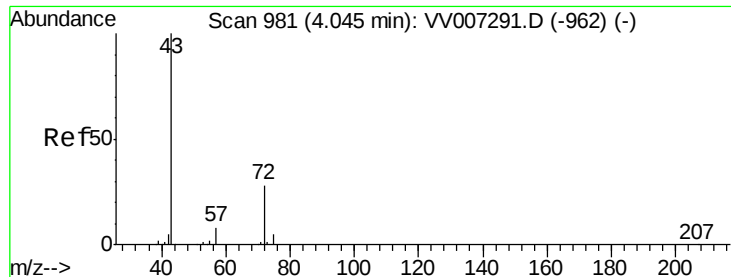
Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Tgt Ion:	96	Resp:	46583
Ion	Ratio	Lower	Upper
96	100		
61	126.9	88.4	164.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 19.790 ug/L

RT: 4.05 min Scan# 983

Delta R.T. 0.01 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

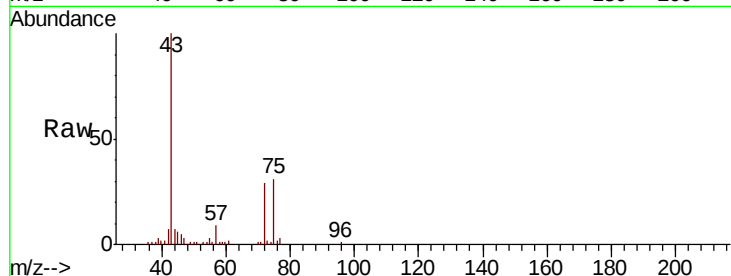
VSTD01072

Tgt Ion: 43 Resp: 73645

Ion Ratio Lower Upper

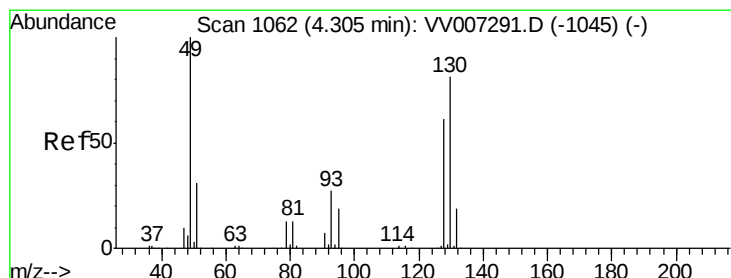
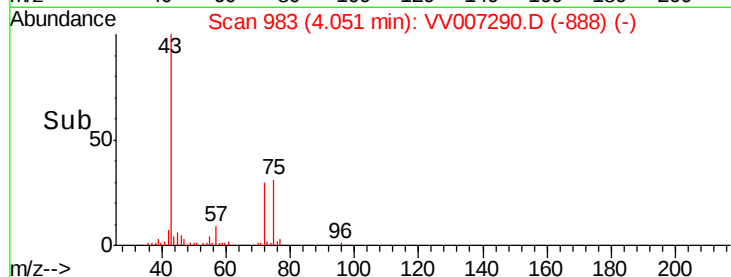
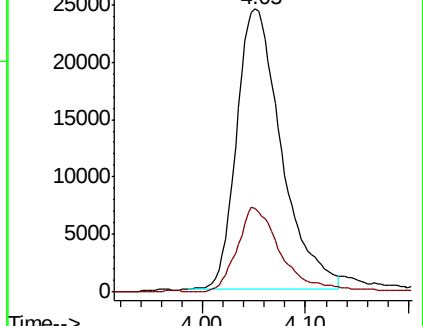
43 100

72 27.8 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007291.D (-962) (-)



#23

Bromochloromethane

Concen: 10.082 ug/L

RT: 4.31 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Tgt Ion: 128 Resp: 24657

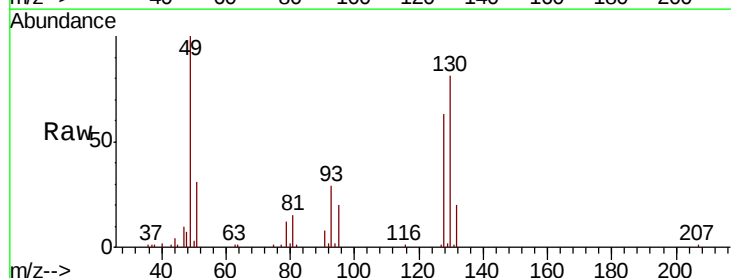
Ion Ratio Lower Upper

128 100

49 157.5 115.6 214.8

130 128.3 93.7 173.9

51 48.9 41.3 61.9

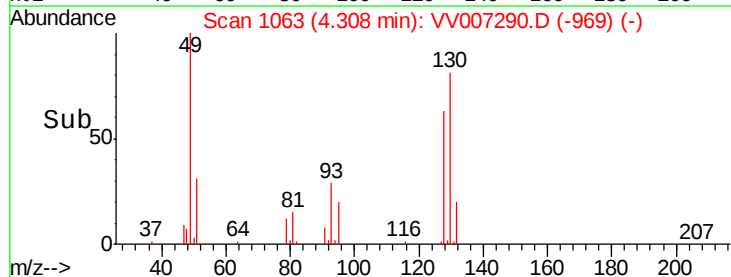
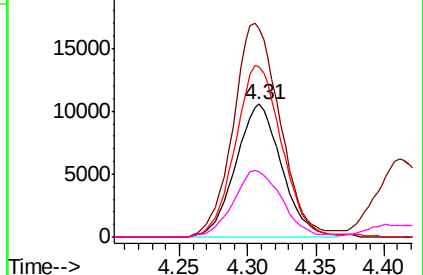


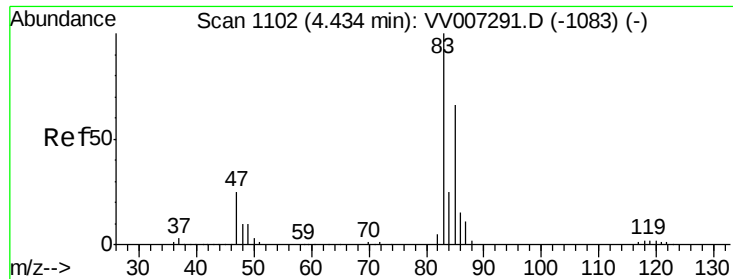
Abundance Ion 128.00 (127.70 to 128.70): VV007291.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007291.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007291.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007291.D (-1045) (-)

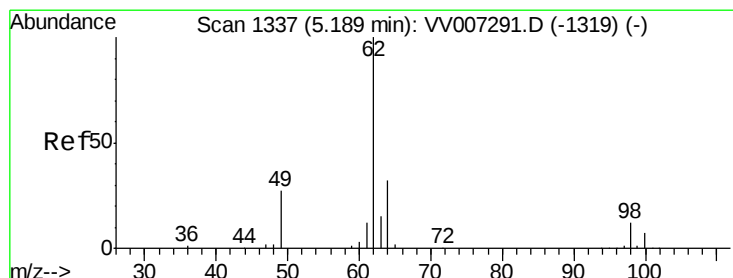
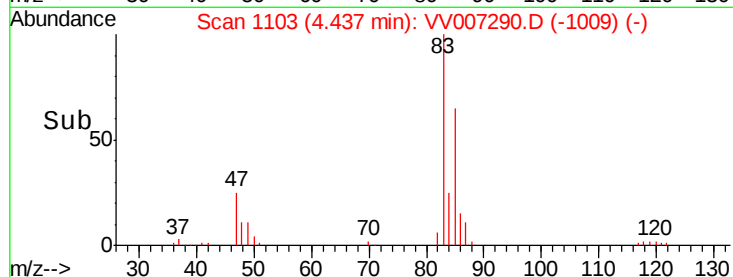
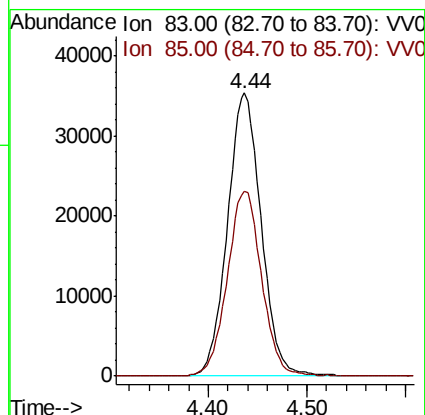
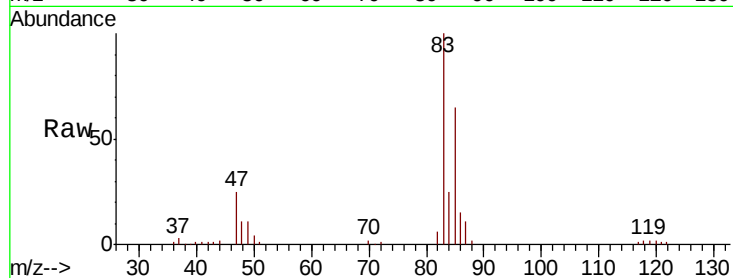




#25
Chloroform
Concen: 10.297 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

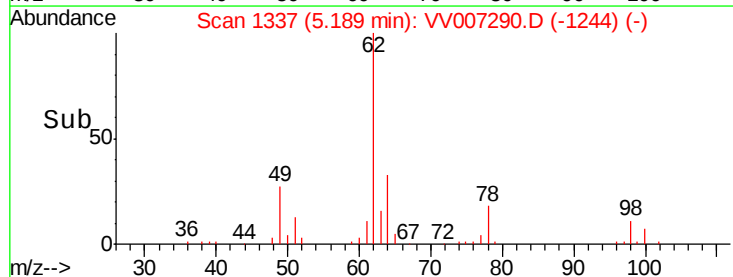
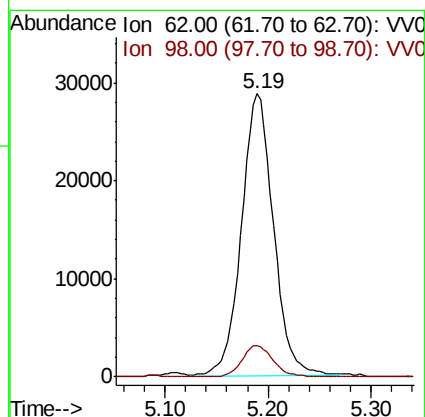
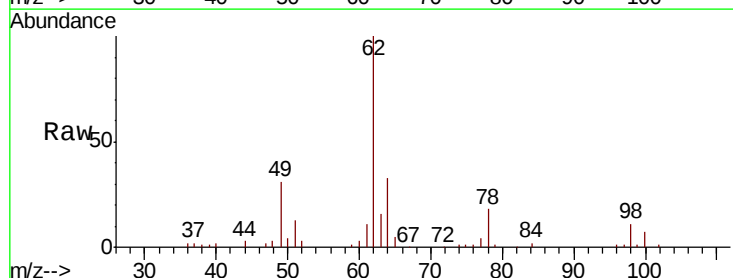
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

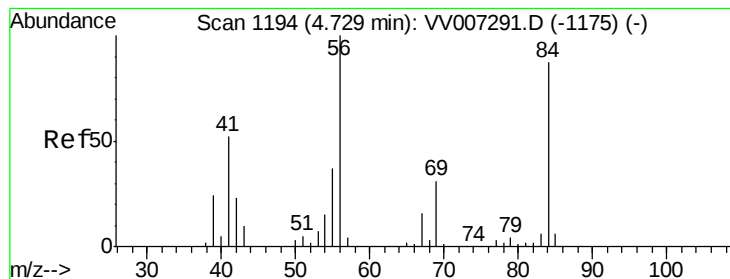
Tgt Ion: 83 Resp: 84293
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 10.225 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Tgt Ion: 62 Resp: 61949
Ion Ratio Lower Upper
62 100
98 11.0 9.1 13.7





#29

Cyclohexane

Concen: 8.453 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

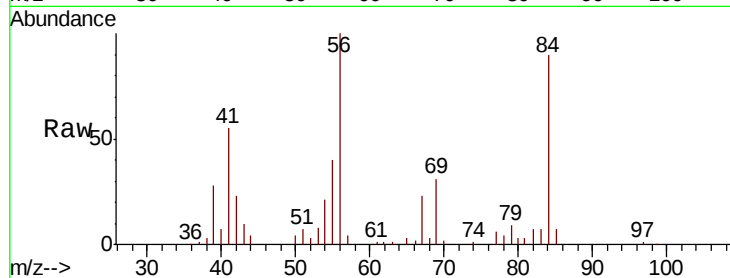
Tgt Ion: 56 Resp: 56747

Ion Ratio Lower Upper

56 100

69 31.8 24.7 37.1

84 88.9 70.8 106.2

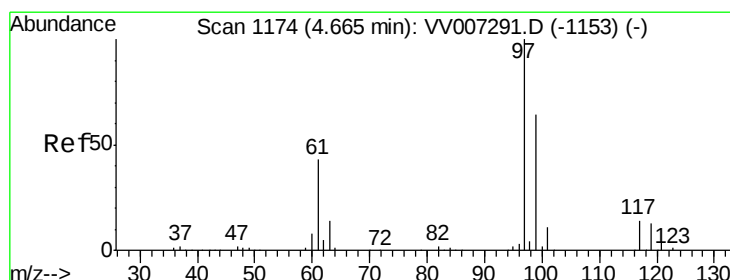
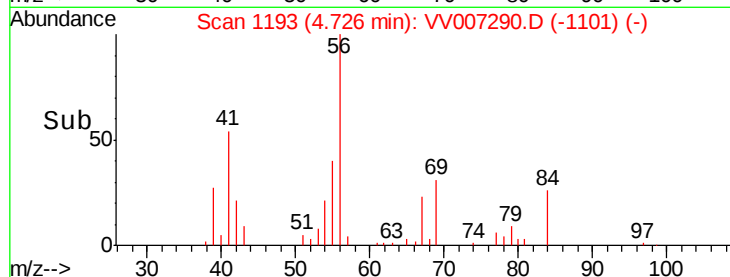
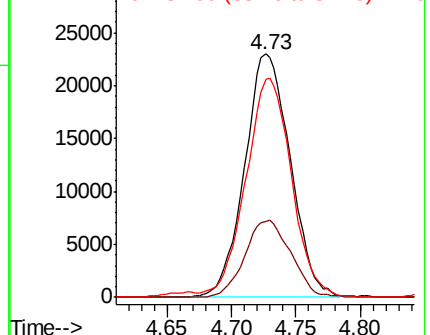


Abundance

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: 10.390 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

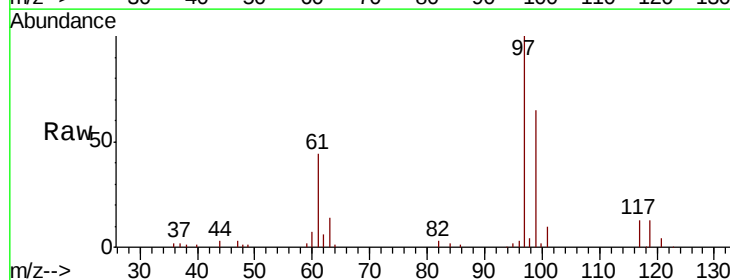
Tgt Ion: 97 Resp: 70805

Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

61 43.6 34.6 51.8

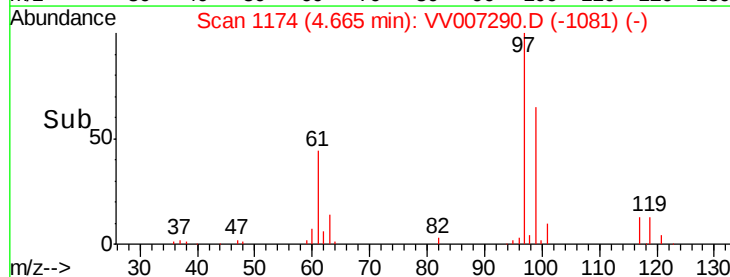
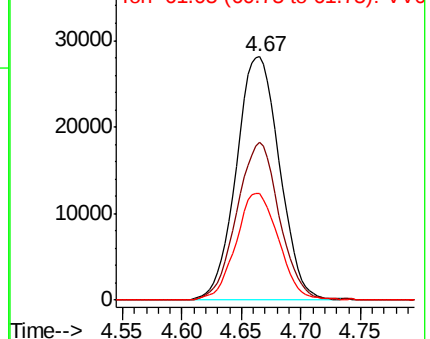


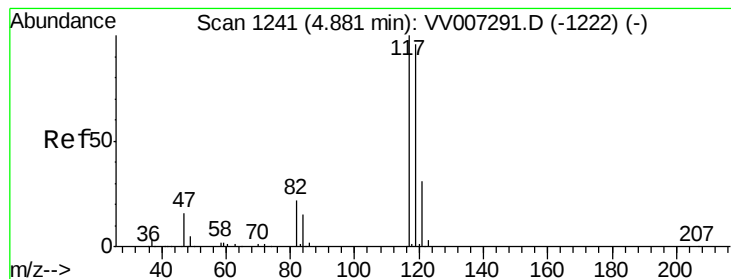
Abundance

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: 10.347 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

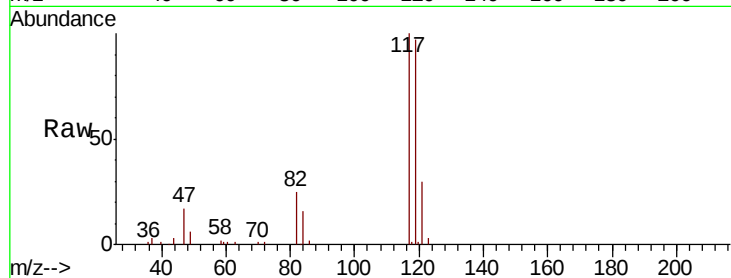
VSTD01072

Tgt Ion:117 Resp: 60533

Ion Ratio Lower Upper

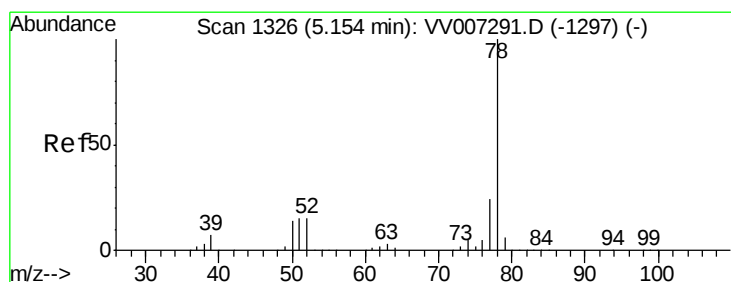
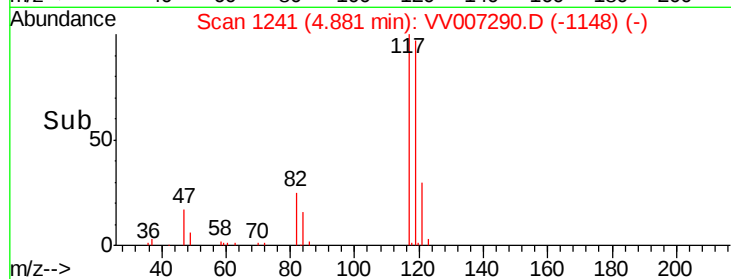
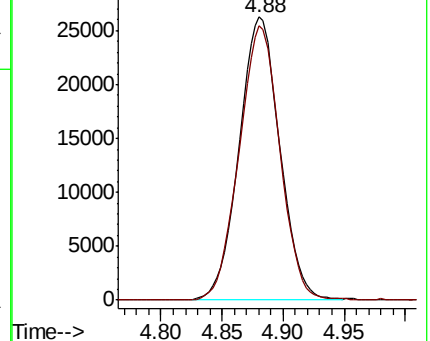
117 100

119 96.7 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.759 ug/L

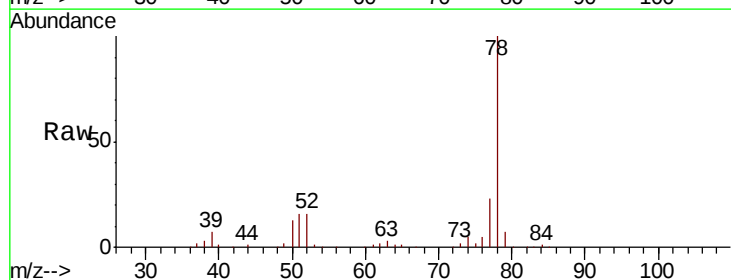
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

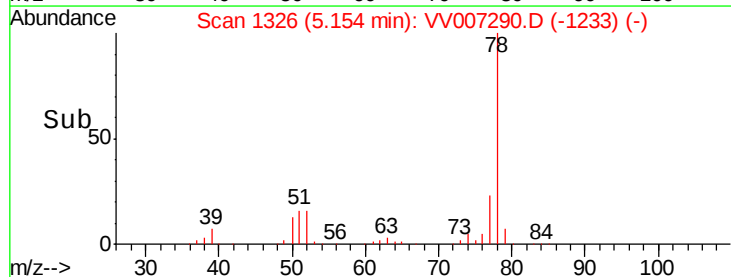
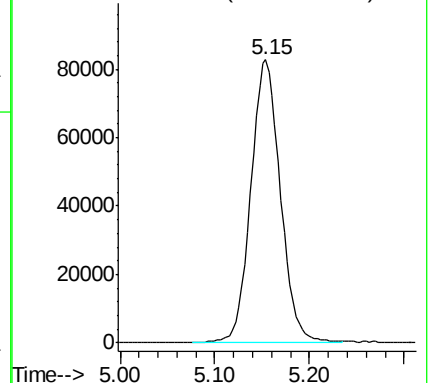
Lab File: VV007290.D

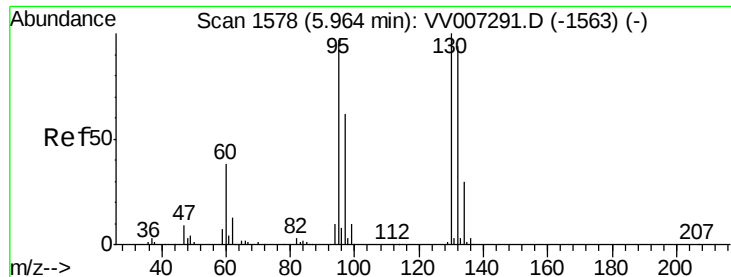
Acq: 31 Aug 2018 10:07

Tgt Ion: 78 Resp: 179577



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 9.611 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

Tgt Ion: 95 Resp: 43035

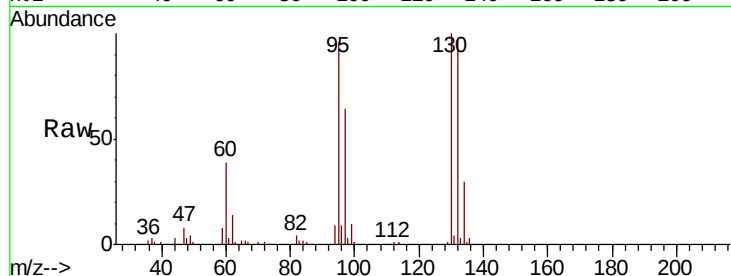
Ion Ratio Lower Upper

95 100

97 66.8 45.1 83.9

132 100.6 68.3 126.9

130 103.8 72.4 134.5

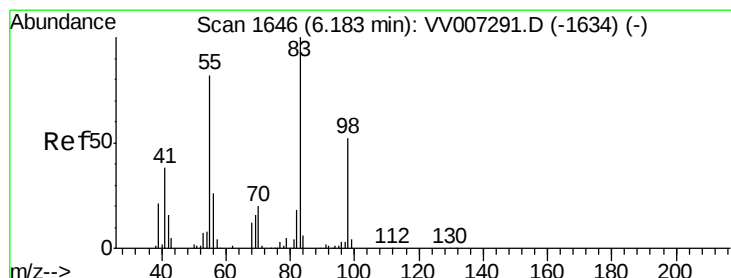
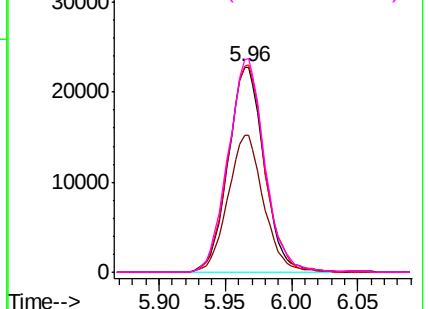
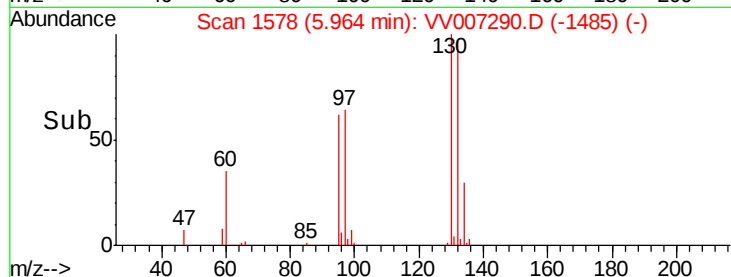


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.335 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

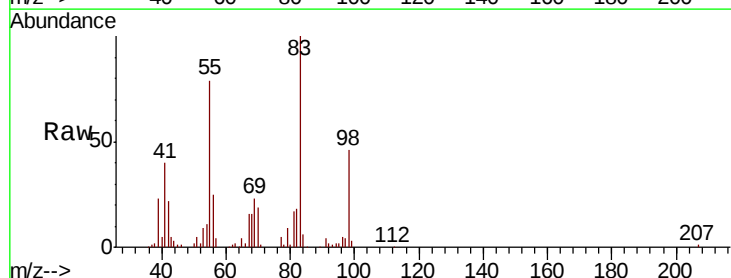
Tgt Ion: 83 Resp: 59344

Ion Ratio Lower Upper

83 100

55 82.2 62.4 93.6

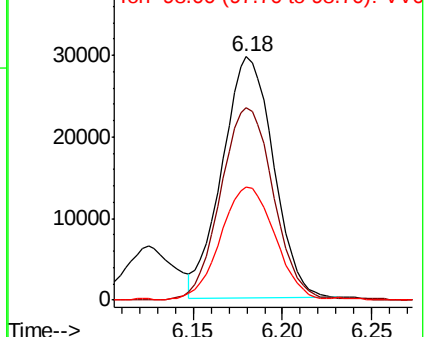
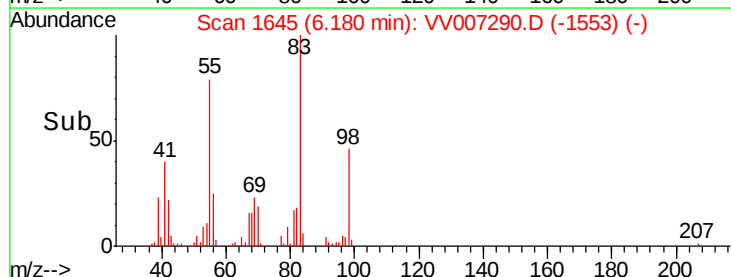
98 49.7 39.0 58.4

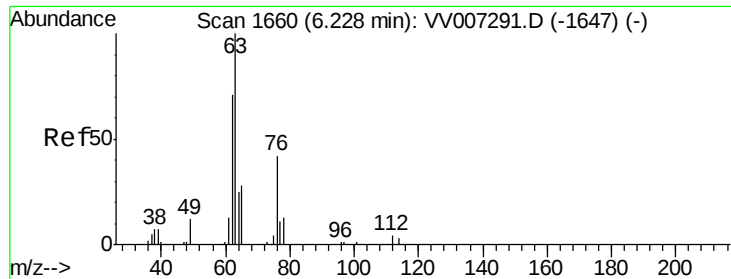


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

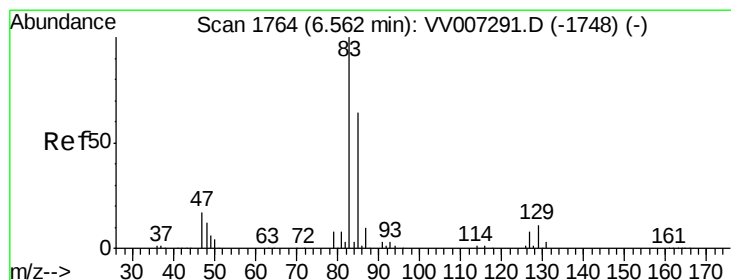
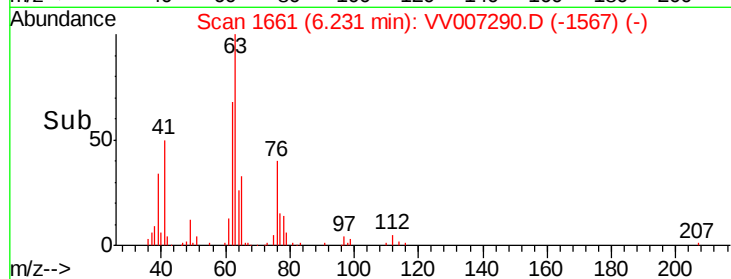
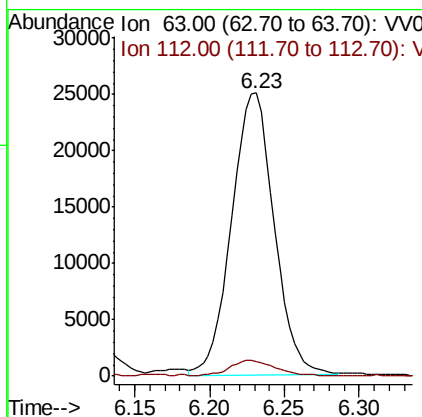
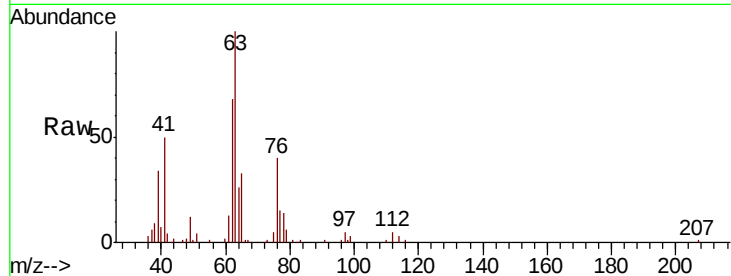




#37
 1,2-Dichloropropane
 Concen: 10.153 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

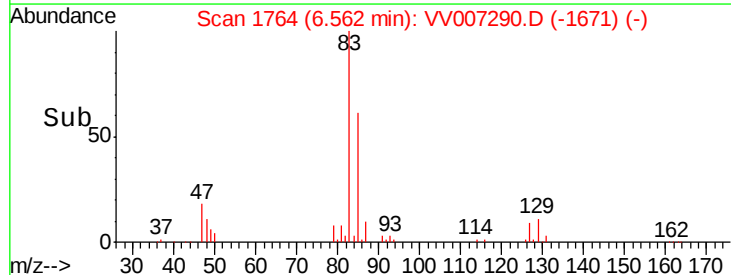
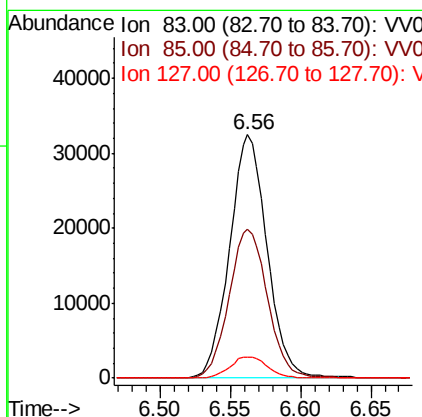
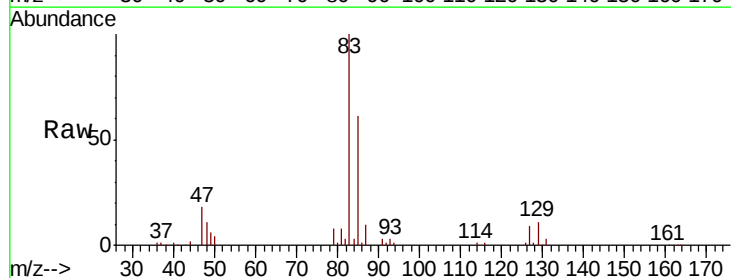
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01072

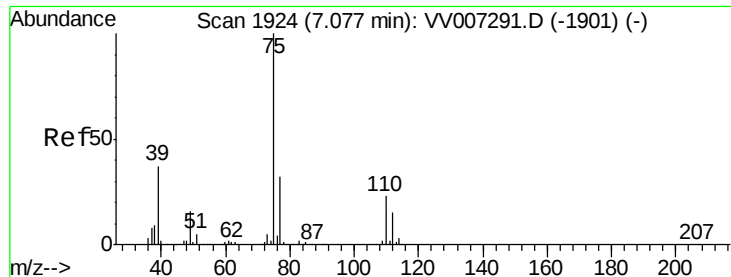
Tgt Ion: 63 Resp: 49556
 Ion Ratio Lower Upper
 63 100
 112 6.0 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 10.083 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

Tgt Ion: 83 Resp: 60295
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.4 82.5
 127 9.2 6.8 10.2

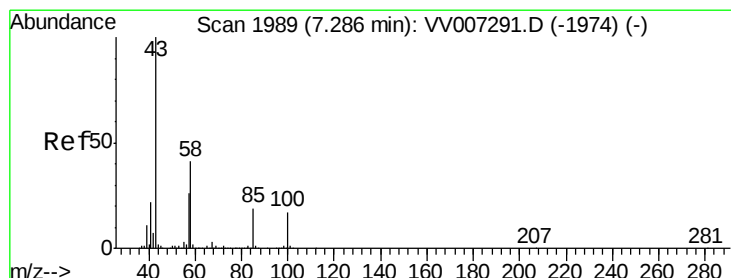
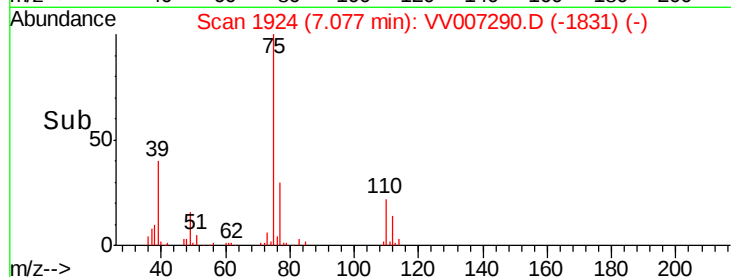
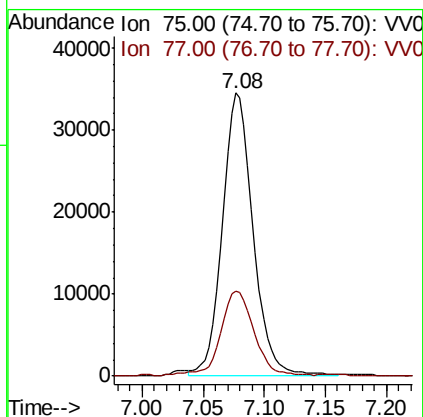
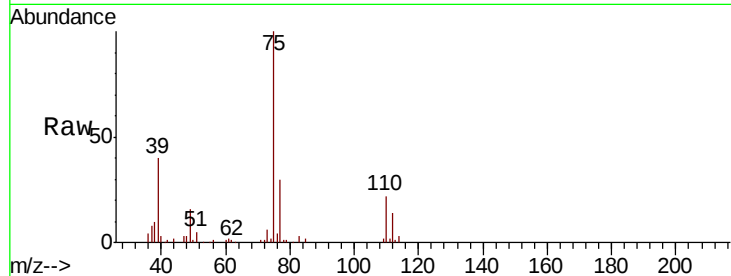




#39
 cis-1,3-Dichloropropene
 Concen: 8.910 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

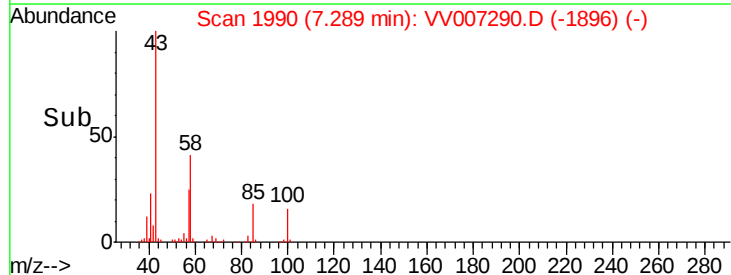
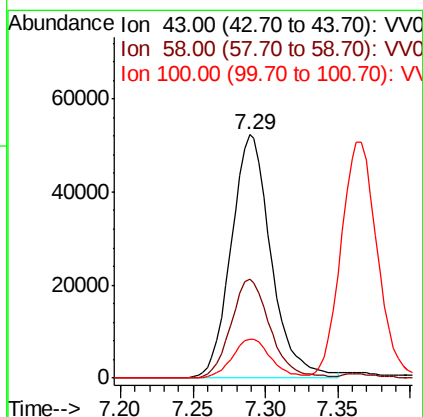
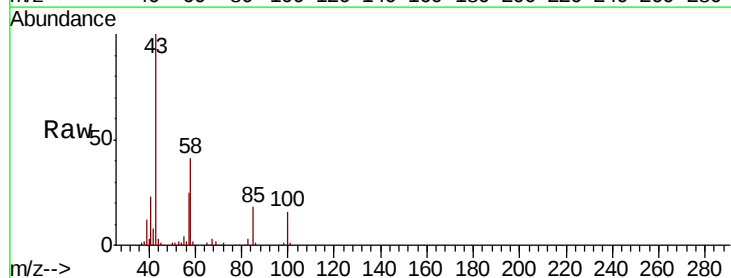
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

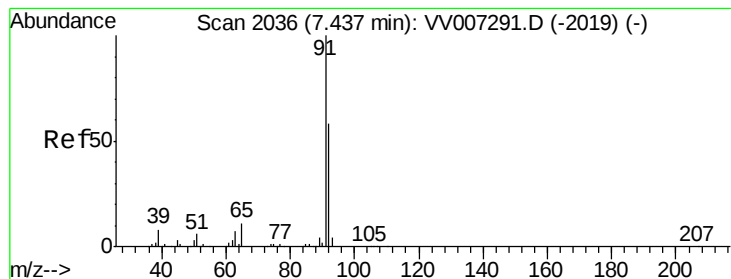
Tgt Ion: 75 Resp: 61184
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 17.457 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

Tgt Ion: 43 Resp: 99877
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.6 49.0
 100 15.4 13.4 20.0





#42

Toluene

Concen: 9.350 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

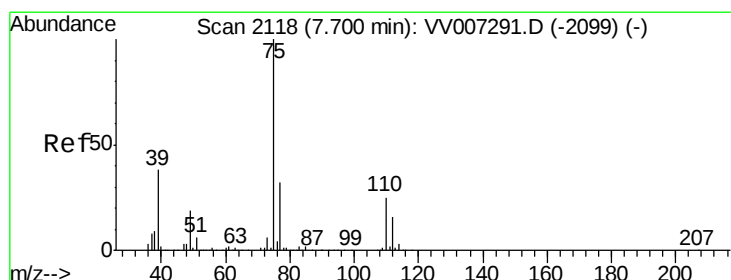
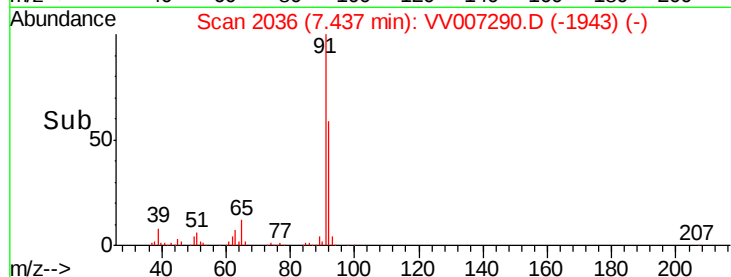
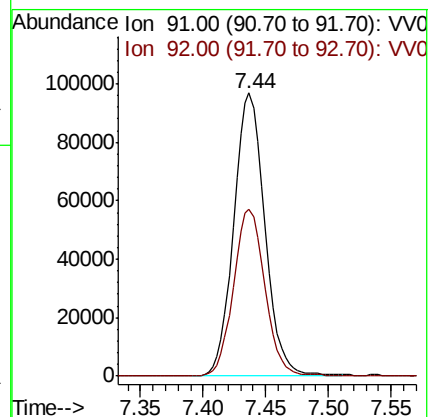
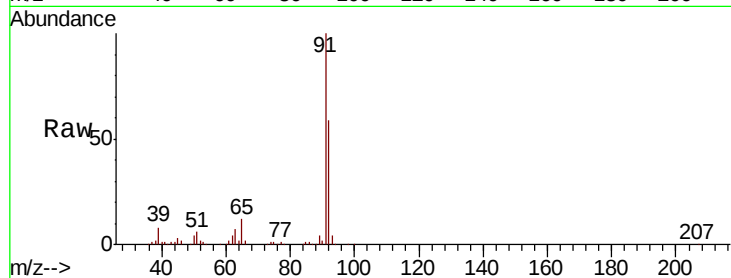
VSTD01072

Tgt Ion: 91 Resp: 167016

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 9.046 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007290.D

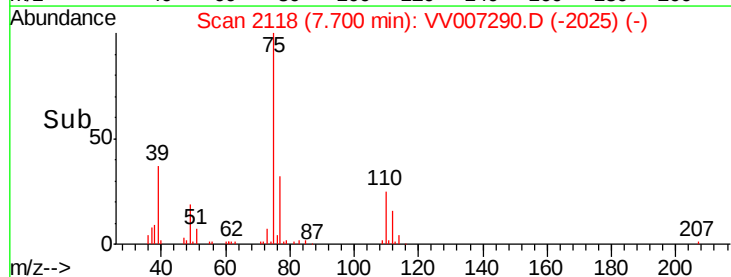
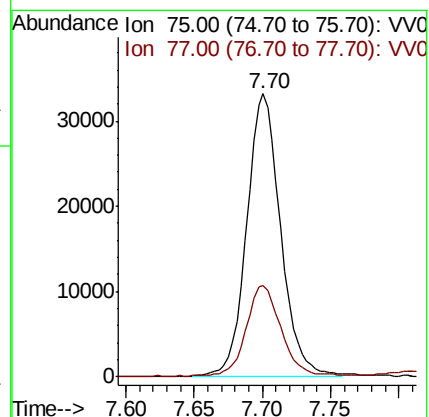
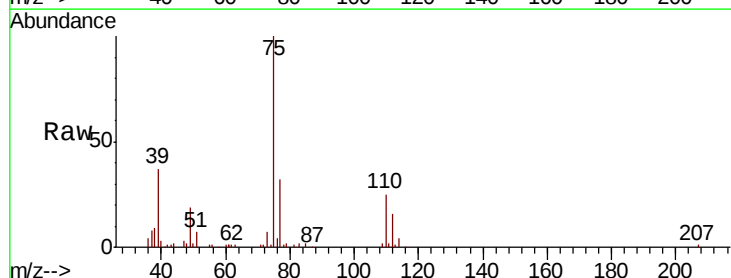
Acq: 31 Aug 2018 10:07

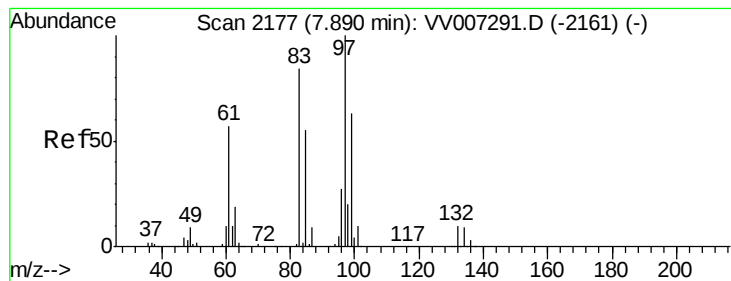
Tgt Ion: 75 Resp: 57460

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 10.282 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

Tgt Ion: 97 Resp: 46600

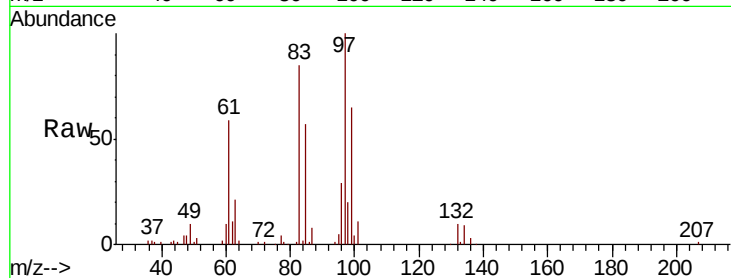
Ion Ratio Lower Upper

97 100

99 65.1 44.0 81.6

83 85.3 59.0 109.6

85 57.0 38.9 72.2



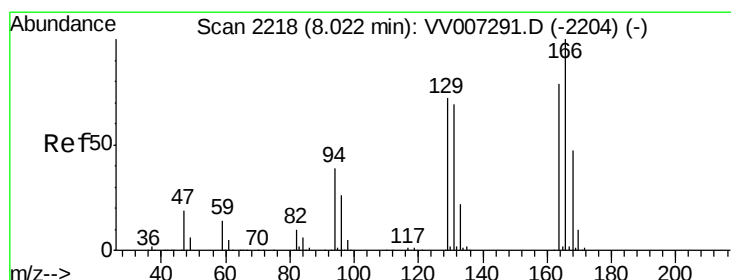
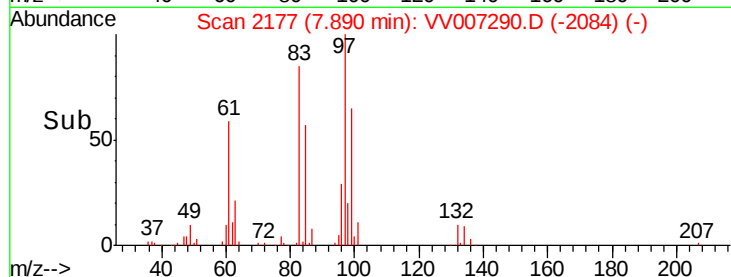
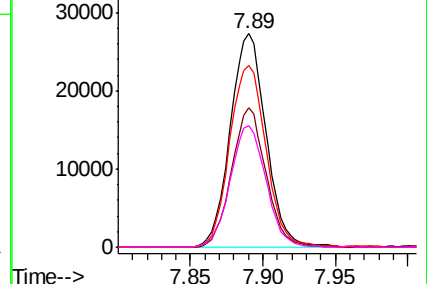
Abundance

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



#46

Tetrachloroethene

Concen: 9.973 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Tgt Ion: 164 Resp: 36862

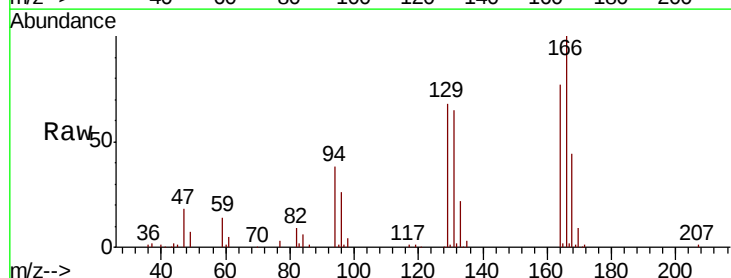
Ion Ratio Lower Upper

164 100

129 88.9 64.5 119.7

131 84.0 61.2 113.8

166 129.9 89.1 165.5



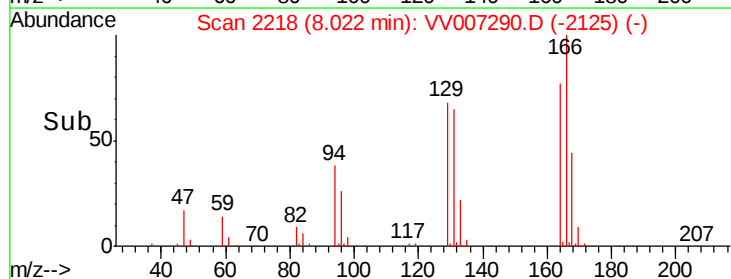
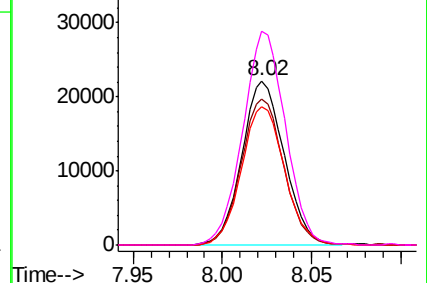
Abundance

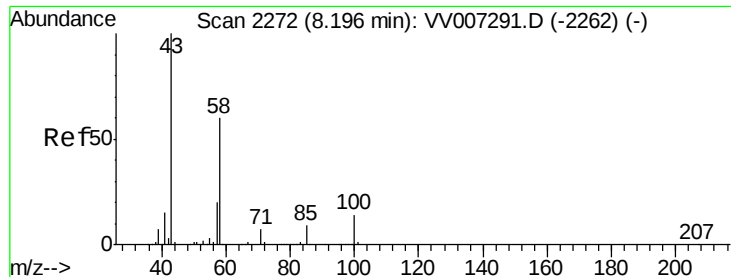
Ion 164.00 (163.70 to 164.70): V

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

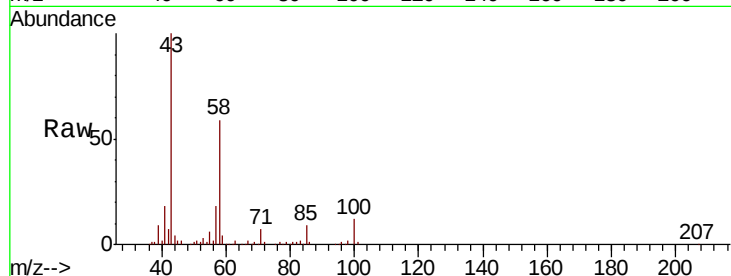




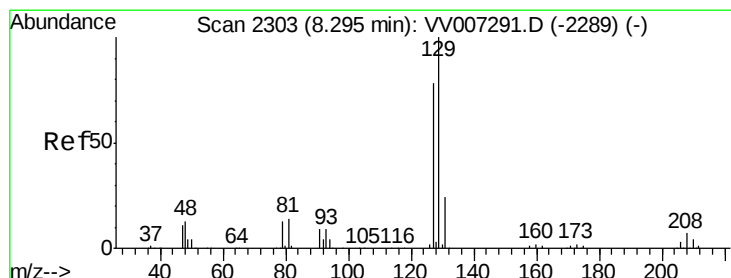
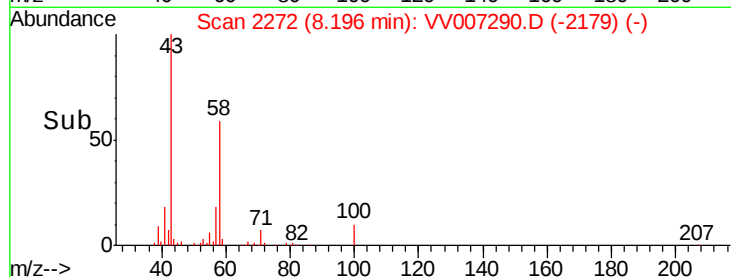
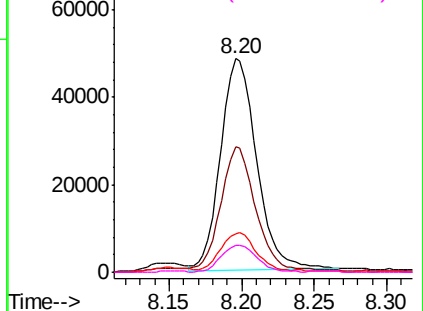
#48
2-Hexanone
Concen: 18.284 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion:	43	Resp:	83300
Ion	Ratio	Lower	Upper
43	100		
58	58.0	48.2	72.4
57	17.5	15.9	23.9
100	12.8	11.0	16.4

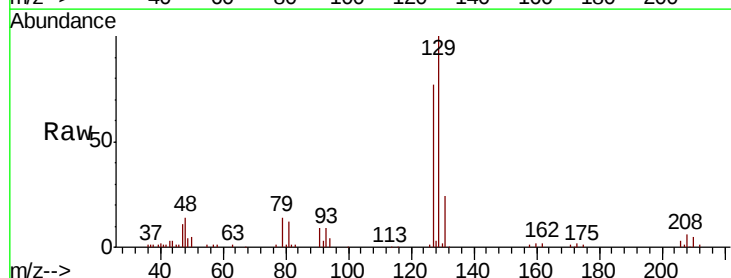


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

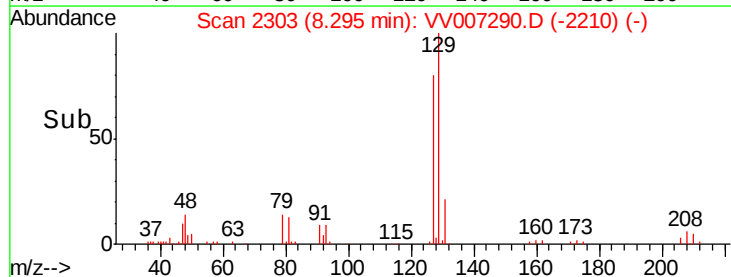
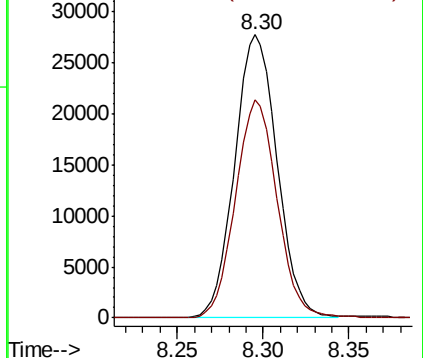


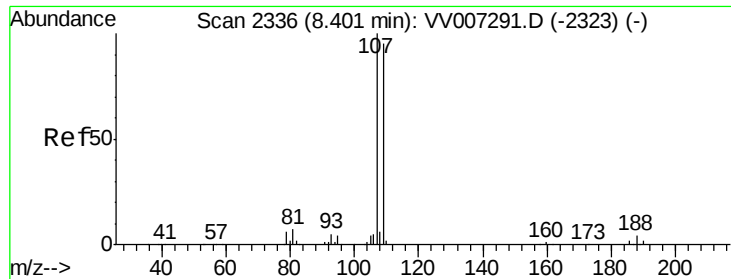
#49
Dibromochloromethane
Concen: 10.214 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Tgt Ion:	129	Resp:	47617
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.4	101.0



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

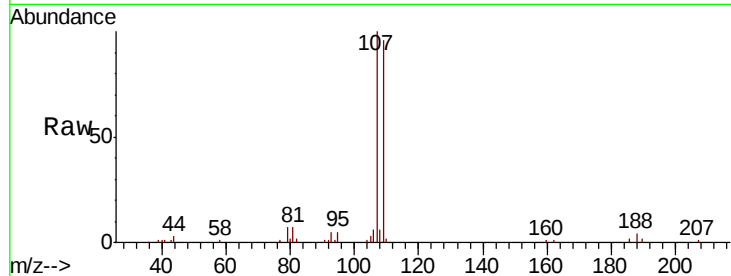




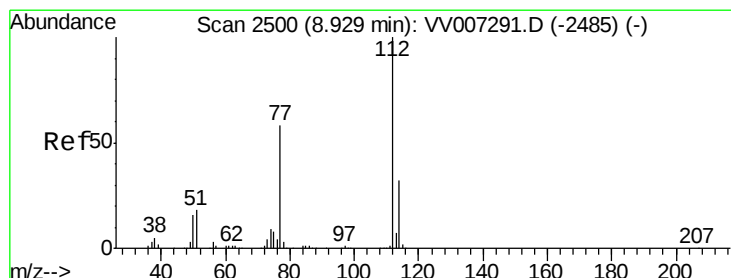
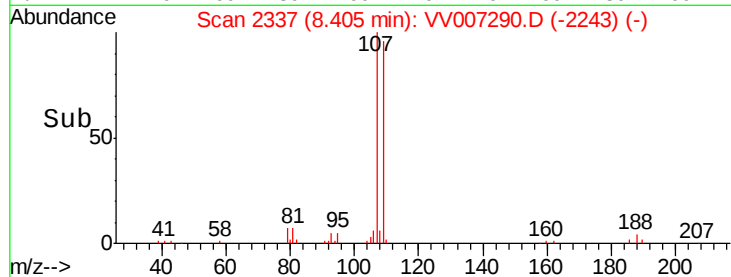
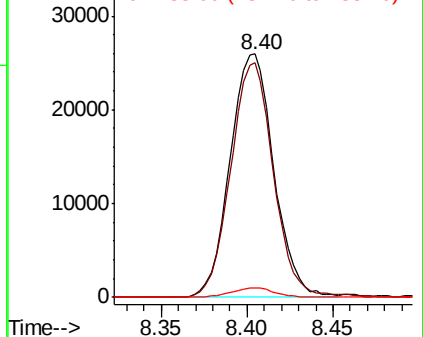
#50
1,2-Dibromoethane
Concen: 10.055 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion:107 Resp: 45841
Ion Ratio Lower Upper
107 100
109 96.2 66.7 123.9
188 3.9 3.3 4.9

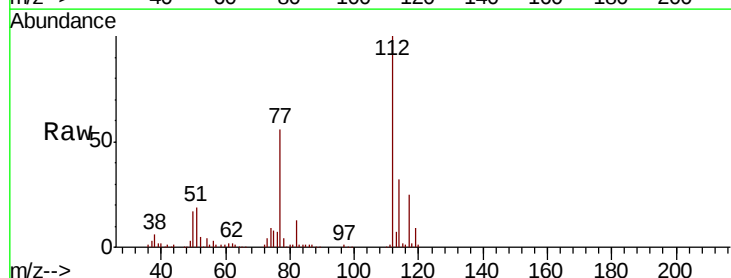


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

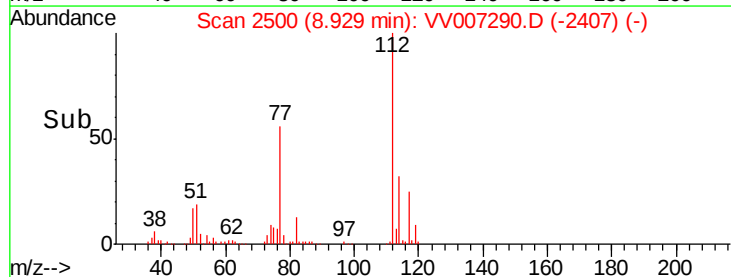
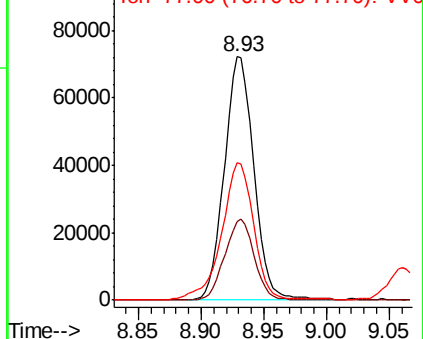


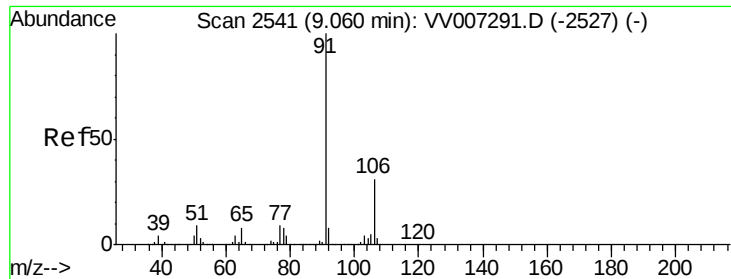
#51
Chlorobenzene
Concen: 9.767 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007290.D
Acq: 31 Aug 2018 10:07

Tgt Ion:112 Resp: 117957
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 56.4 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: 8.734 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

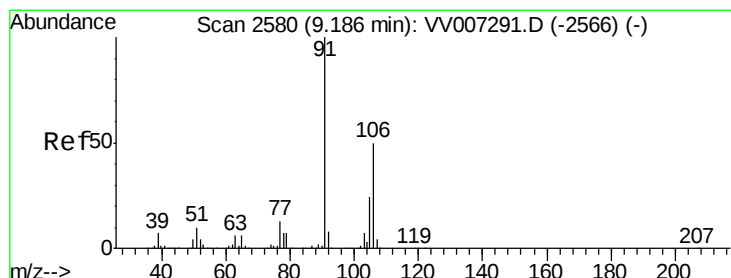
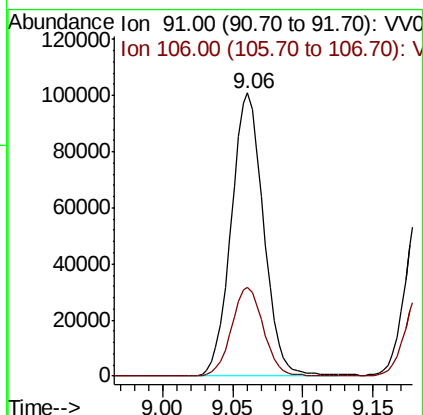
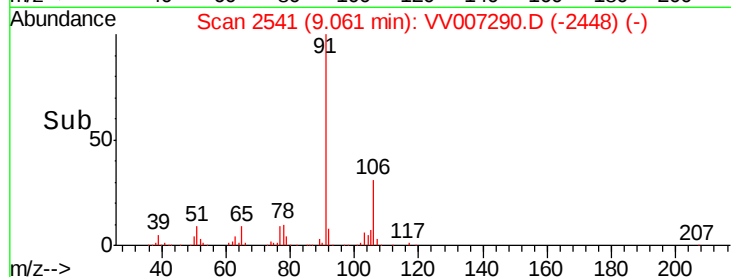
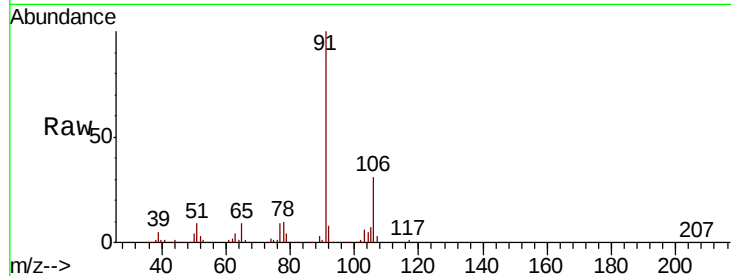
VSTD01072

Tgt Ion: 91 Resp: 162283

Ion Ratio Lower Upper

91 100

106 31.5 21.7 40.3



#53

m,p-Xylene

Concen: 8.417 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007290.D

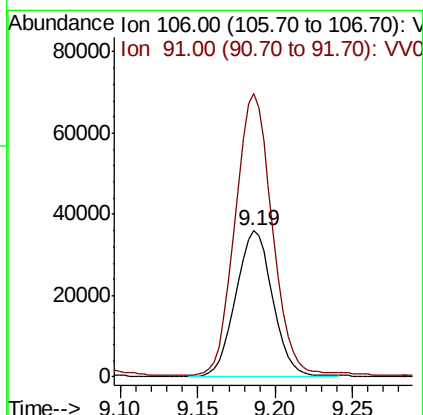
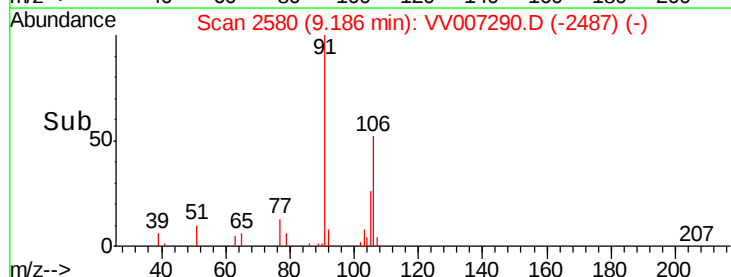
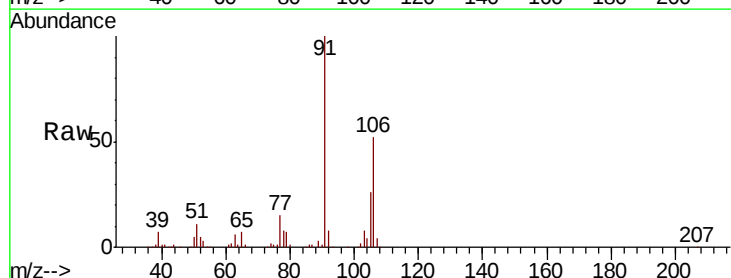
Acq: 31 Aug 2018 10:07

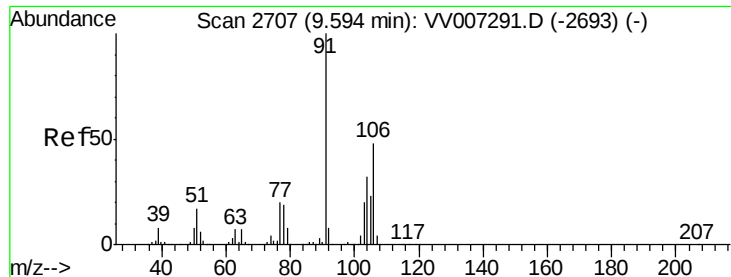
Tgt Ion: 106 Resp: 59273

Ion Ratio Lower Upper

106 100

91 193.7 140.1 260.3





#54

o-xylene

Concen: 8.413 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

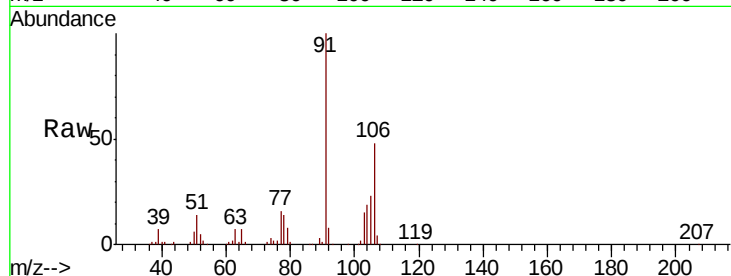
VSTD01072

Tgt Ion:106 Resp: 57068

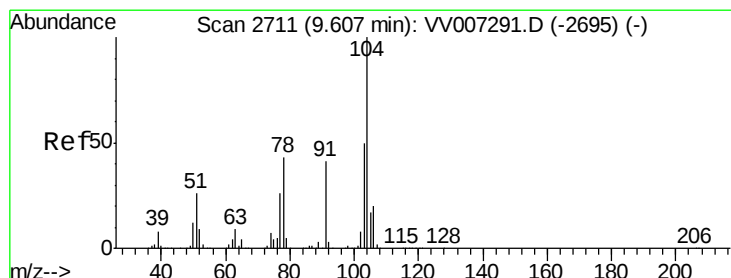
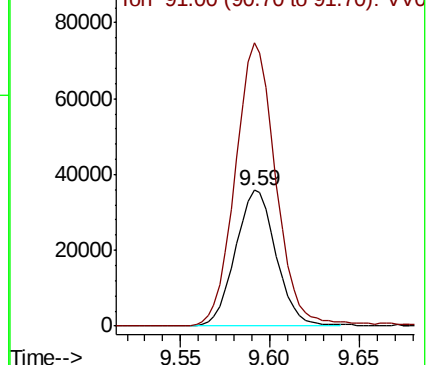
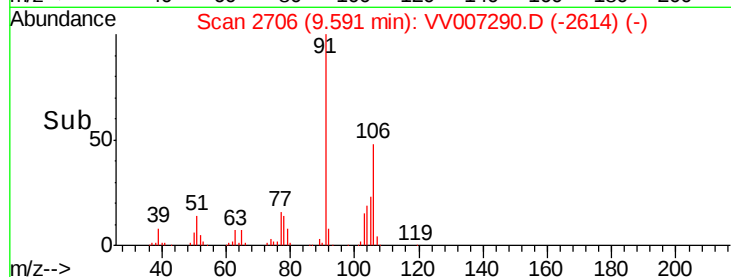
Ion Ratio Lower Upper

106 100

91 208.3 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): VV007290.D (-2614) (-)



#55

Styrene

Concen: 8.029 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007290.D

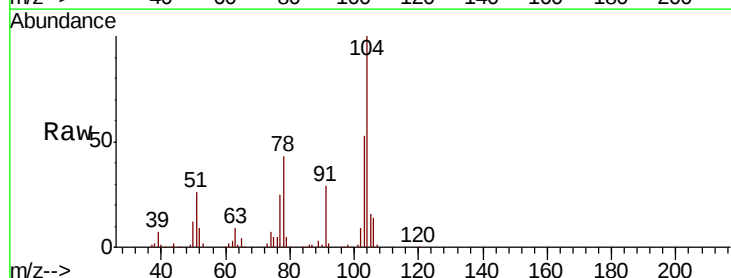
Acq: 31 Aug 2018 10:07

Tgt Ion:104 Resp: 93985

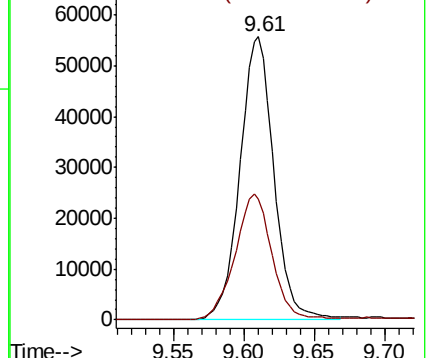
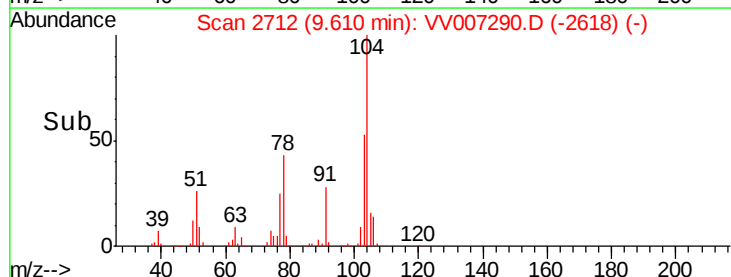
Ion Ratio Lower Upper

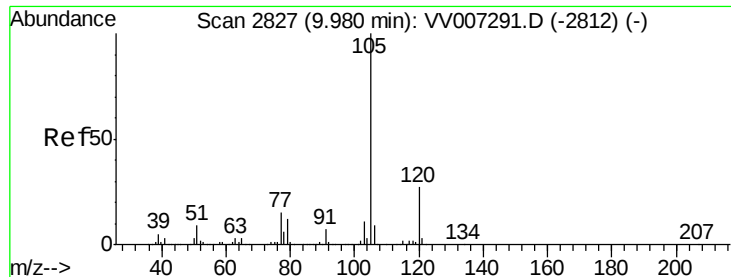
104 100

78 42.8 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): VV007290.D (-2618) (-)





#56

Isopropylbenzene

Concen: 8.280 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

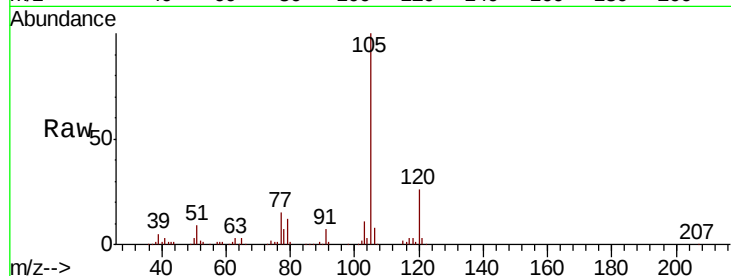
Tgt Ion: 105 Resp: 143349

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

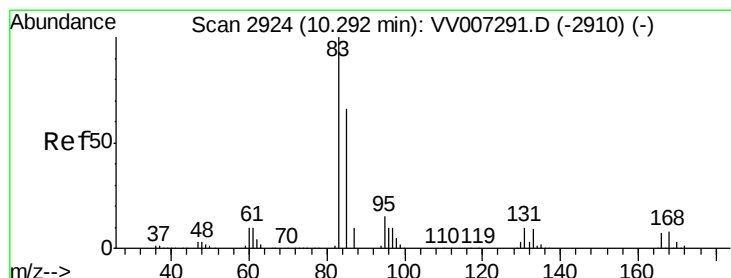
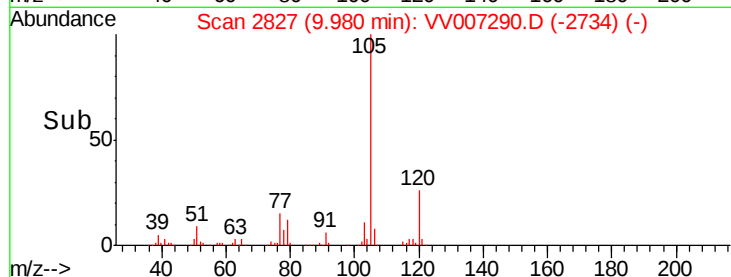
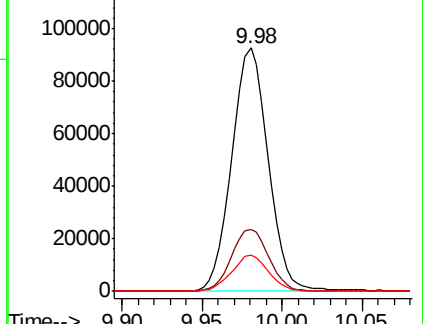
77 15.2 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.941 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

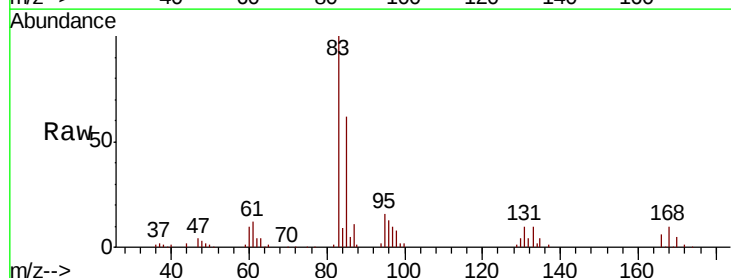
Tgt Ion: 83 Resp: 73994

Ion Ratio Lower Upper

83 100

85 61.9 46.1 85.5

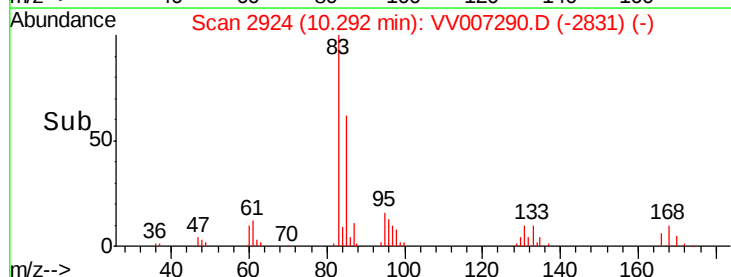
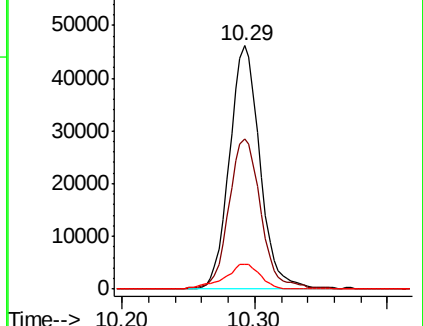
131 10.4 7.9 11.9

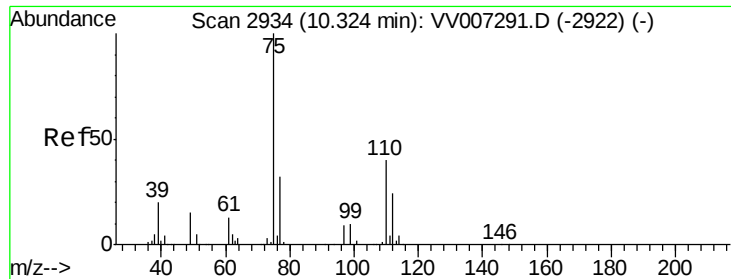


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.983 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

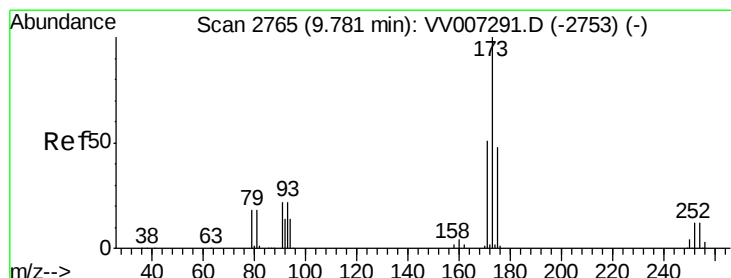
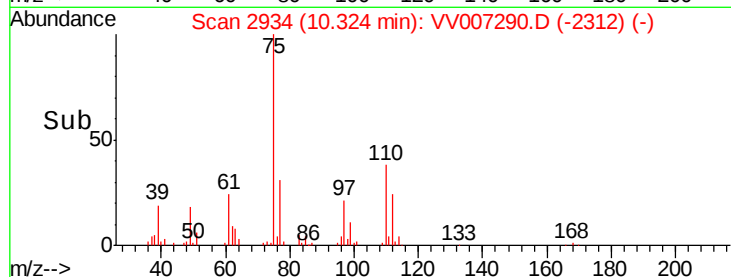
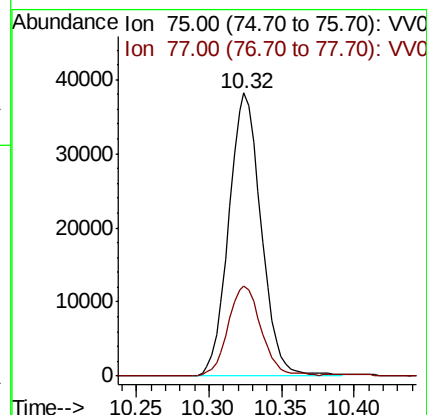
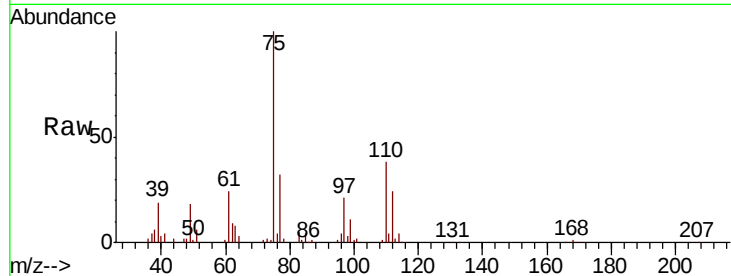
VSTD01072

Tgt Ion: 75 Resp: 59352

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 11.115 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

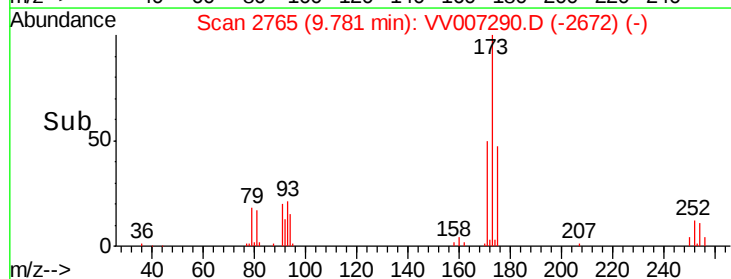
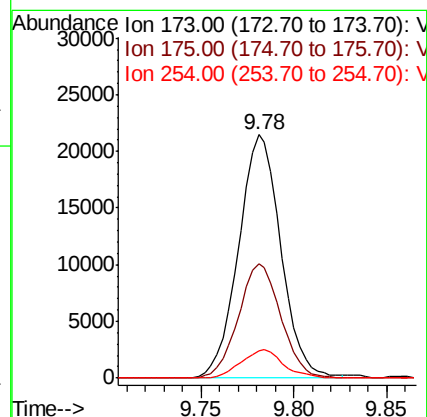
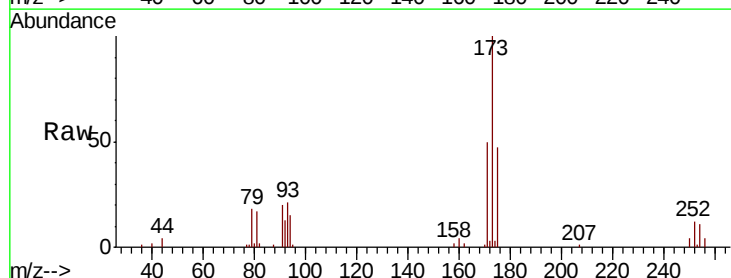
Tgt Ion: 173 Resp: 34048

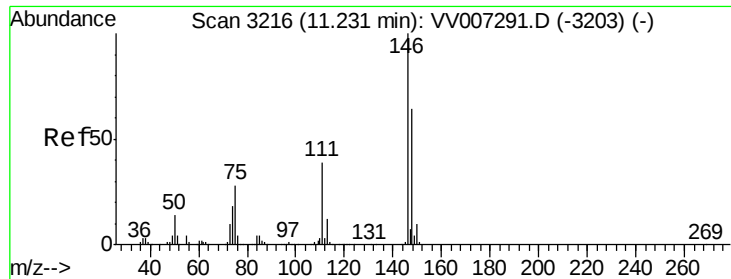
Ion Ratio Lower Upper

173 100

175 47.1 38.3 57.5

254 11.6 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 9.564 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

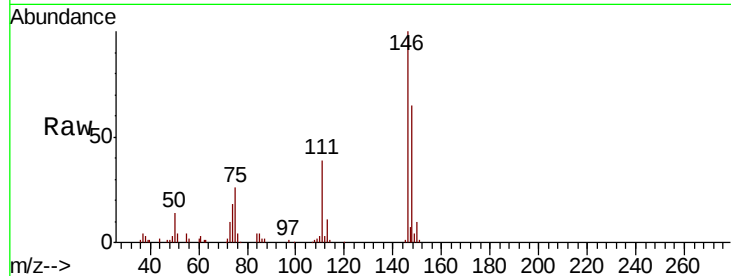
Tgt Ion:146 Resp: 73674

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.6

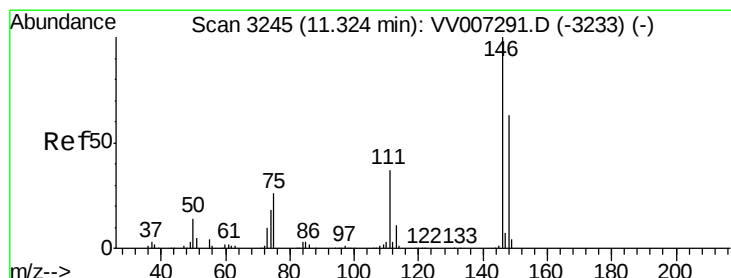
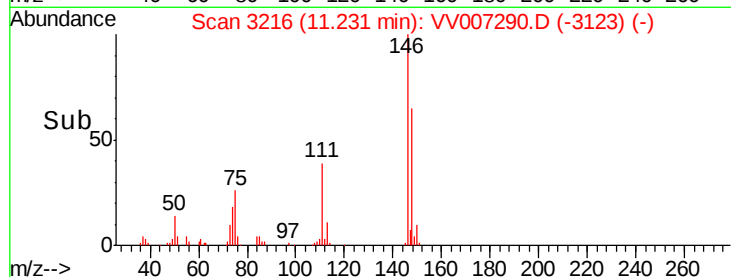
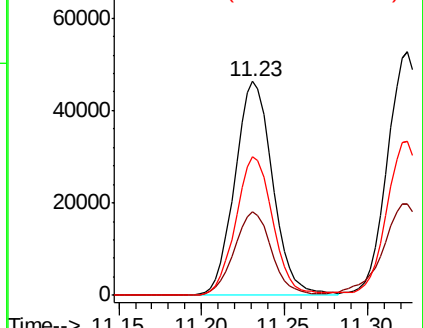
148 65.0 45.1 83.7



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: 10.070 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

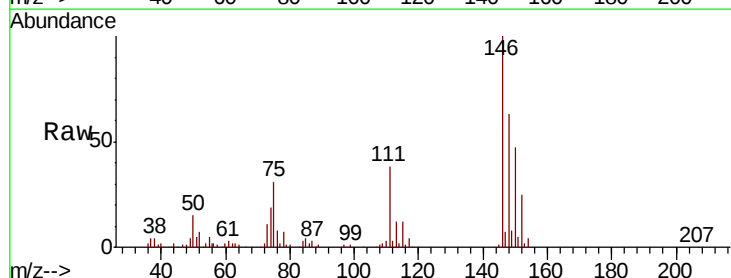
Tgt Ion:146 Resp: 83921

Ion Ratio Lower Upper

146 100

111 37.6 25.8 48.0

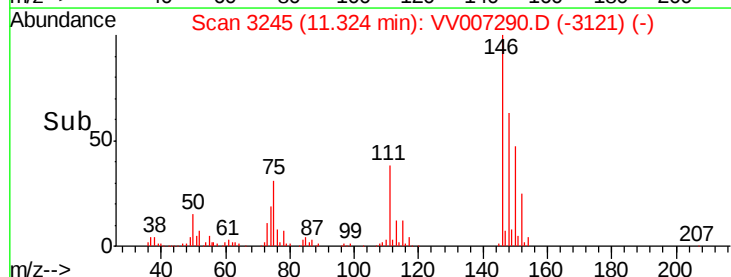
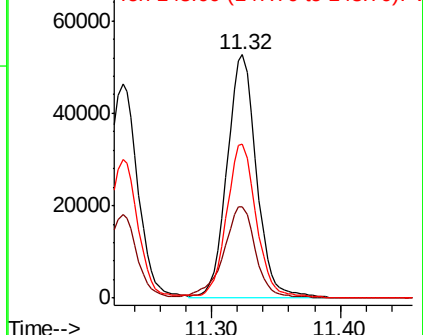
148 63.3 44.2 82.2

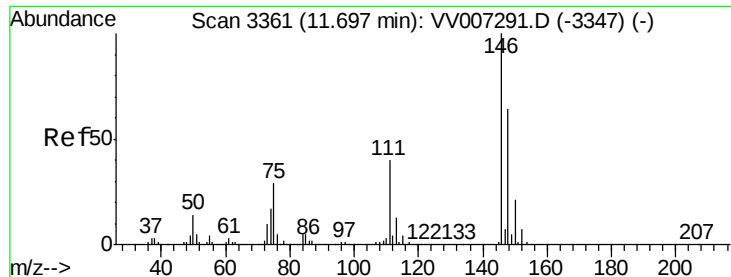


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

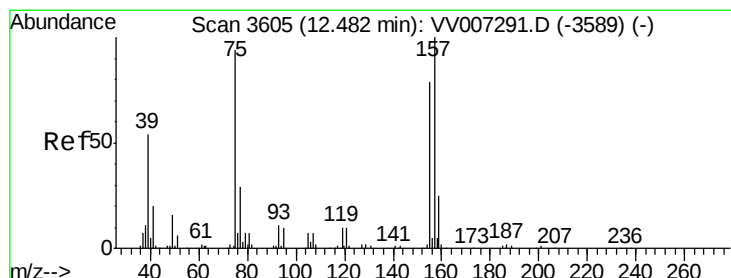
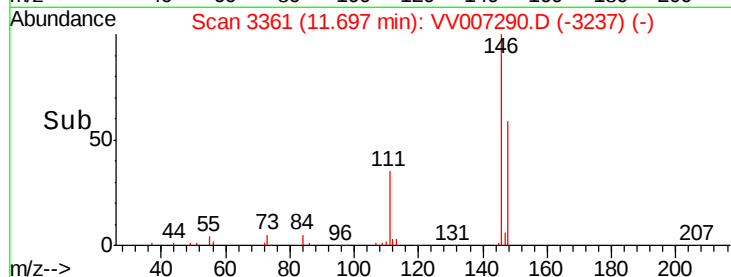
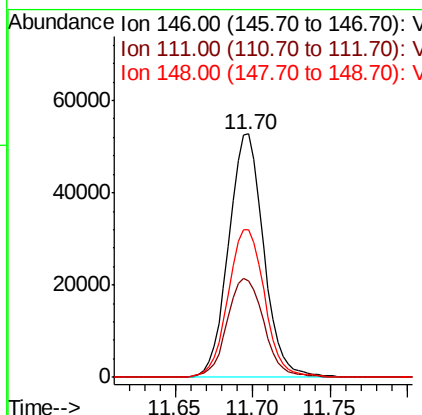
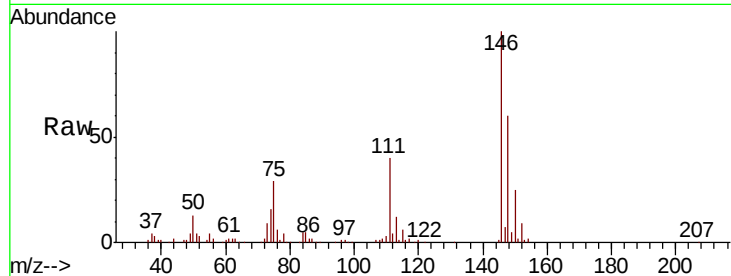




#65
 1,2-Dichlorobenzene
 Concen: 10.004 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

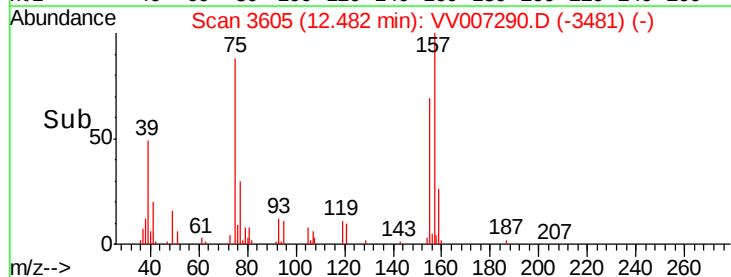
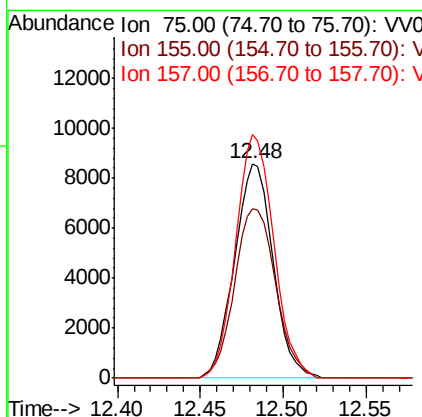
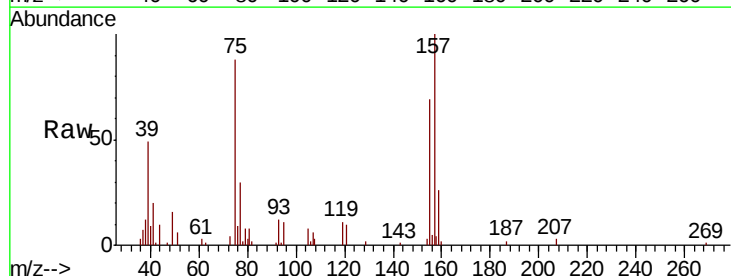
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

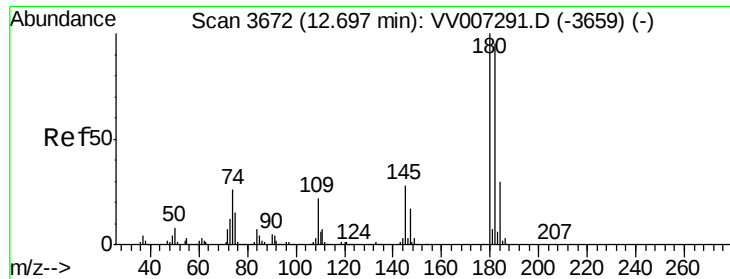
Tgt Ion:146 Resp: 82971
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.2 48.2
 148 60.4 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.435 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

Tgt Ion: 75 Resp: 13836
 Ion Ratio Lower Upper
 75 100
 155 78.7 67.1 100.7
 157 113.4 85.4 128.2

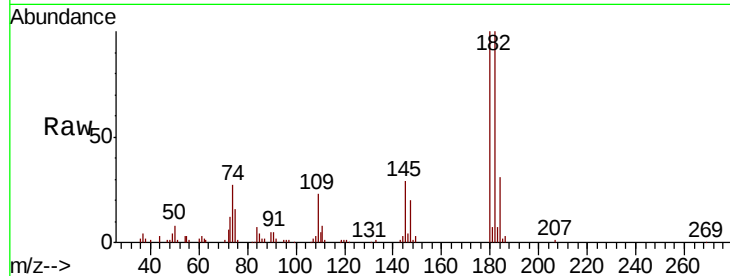




#67
 1,3,5-Trichlorobenzene
 Concen: 9.727 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion:	180	Resp:	55244
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.9	115.3
184	30.4	24.1	36.1
145	27.2	22.3	33.5



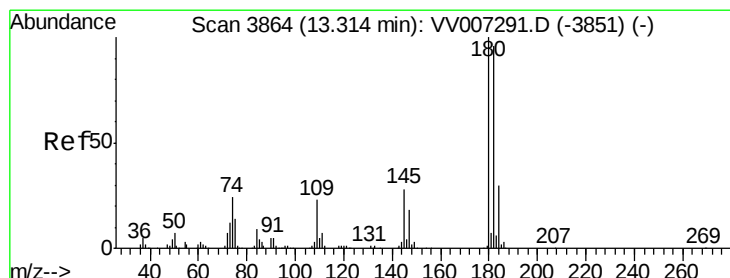
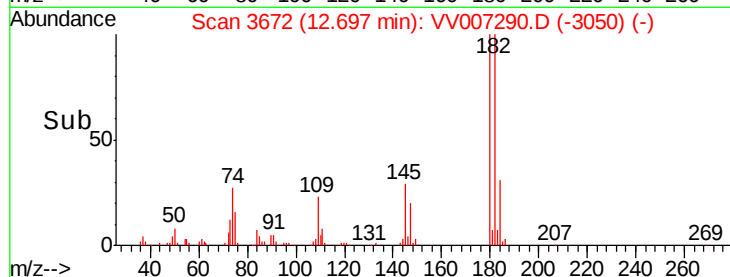
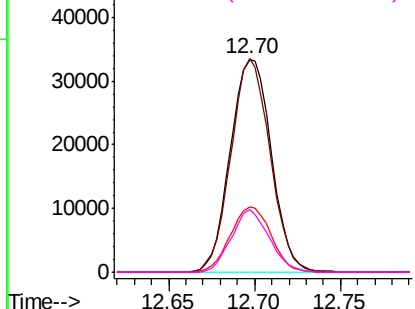
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

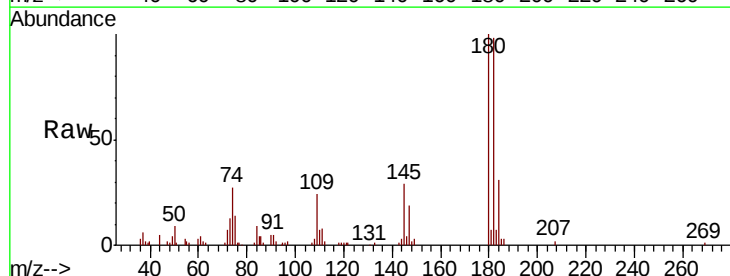
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.116 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007290.D
 Acq: 31 Aug 2018 10:07

Tgt Ion:	180	Resp:	39394
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
145	27.8	22.8	34.2

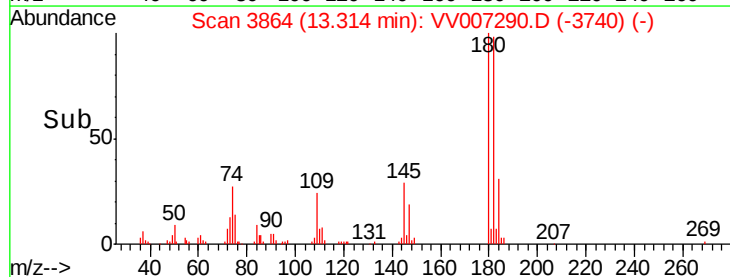
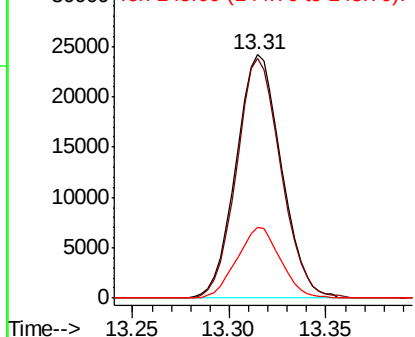


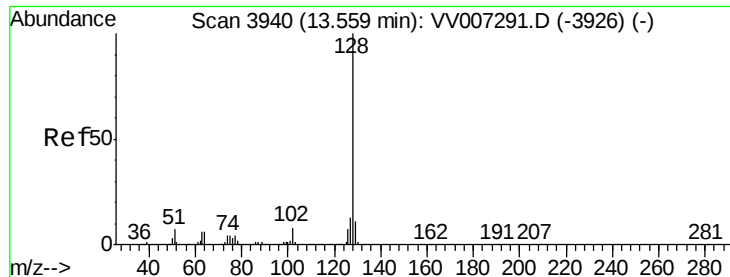
Abundance

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: 7.202 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

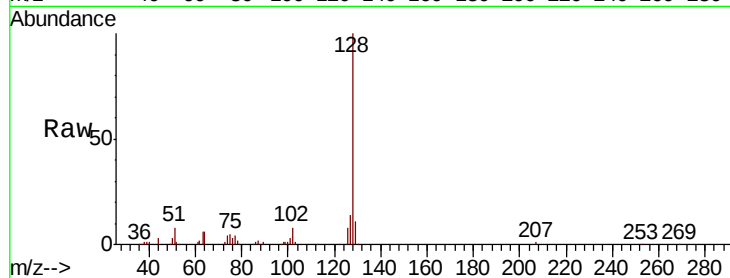
Tgt Ion:128 Resp: 87491

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

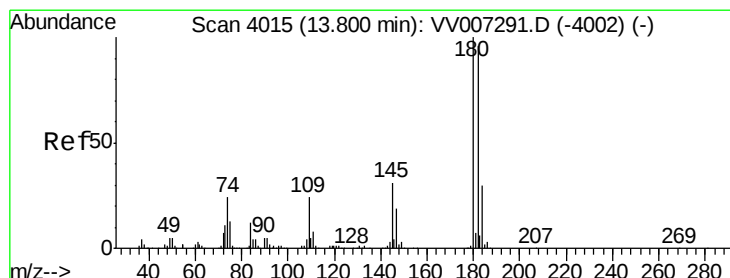
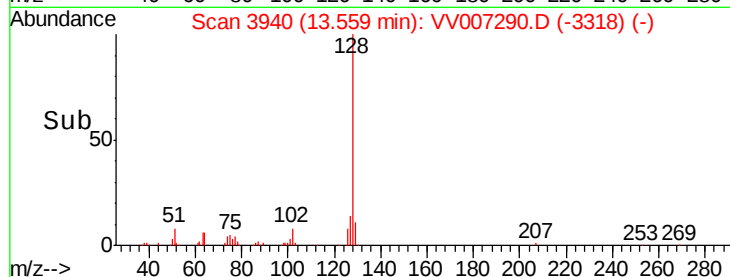
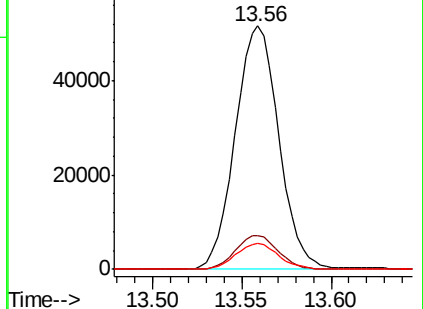
129 10.6 8.6 13.0



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: 9.199 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007290.D

Acq: 31 Aug 2018 10:07

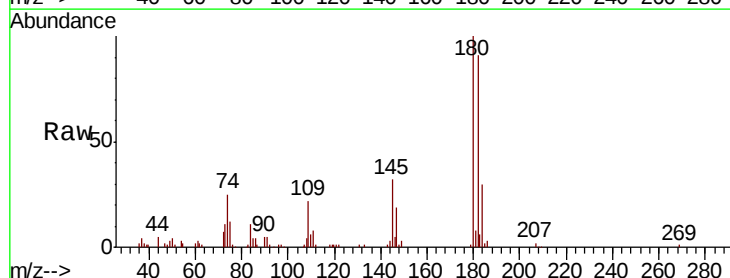
Tgt Ion:180 Resp: 43023

Ion Ratio Lower Upper

180 100

182 92.2 76.1 114.1

145 31.4 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

