

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007518.D
 Acq On : 13 Sep 2018 19:16
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:47:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 04:44:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	133332	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122715	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33366	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.59	69	27392	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.14	63	70750	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	3.96	46	51170	52.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.34%
24) Chloroform-d	4.41	84	70209	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.09	65	35452	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	137502	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	40443	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	141584	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.67	79	18833	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.15	63	32763	53.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.90%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	28299	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	59316	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	36048	4.995	ug/L 99
3) Chloromethane	1.25	50	30459	4.856	ug/L 98
5) Vinyl chloride	1.32	62	35313	5.042	ug/L 97
6) Bromomethane	1.54	94	25186	5.039	ug/L 96
8) Chloroethane	1.60	64	20992	4.918	ug/L 95
9) Trichlorofluoromethane	1.77	101	68303	4.944	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37623	4.991	ug/L 98
12) 1,1-Dichloroethene	2.14	96	33238	4.912	ug/L 94
13) Acetone	2.21	43	26037	41.038	ug/L 94
14) Carbon disulfide	2.32	76	101159	5.110	ug/L 100
15) Methyl Acetate	2.47	43	8490	4.882	ug/L 96
16) Methylene chloride	2.54	84	33065	4.520	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	79215	4.866	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	35938	4.881	ug/L 99
19) 1,1-Dichloroethane	3.23	63	53745	5.007	ug/L 99
21) 2-Butanone	4.05	43	51038	47.953	ug/L 93
22) cis-1,2-Dichloroethene	3.97	96	35846	4.940	ug/L 95

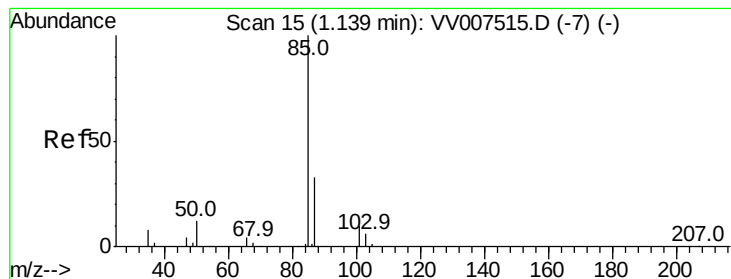
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	16186	5.088	ug/L	97
25) Chloroform	4.43	83	61097	4.981	ug/L	99
27) 1,2-Dichloroethane	5.19	62	34694	4.913	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	58458	4.898	ug/L	98
30) Cyclohexane	4.73	56	51537	4.953	ug/L	98
31) Carbon tetrachloride	4.88	117	55339	4.942	ug/L	100
33) Benzene	5.15	78	126106	4.976	ug/L	100
34) Trichloroethene	5.96	95	39387	5.068	ug/L	98
35) Methylcyclohexane	6.18	83	61567	5.130	ug/L	100
37) 1,2-Dichloropropane	6.23	63	31015	4.967	ug/L	99
38) Bromodichloromethane	6.56	83	44260	4.887	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	50563	5.093	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	175849	51.006	ug/L	99
42) Toluene	7.44	91	145557	4.972	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	40624	4.974	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	22998	4.932	ug/L	98
47) Tetrachloroethene	8.02	164	35309	5.060	ug/L	97
48) 2-Hexanone	8.20	43	134830	51.512	ug/L	93
49) Dibromochloromethane	8.30	129	33703	5.078	ug/L	98
50) 1,2-Dibromoethane	8.40	107	23519	5.194	ug/L #	93
51) Chlorobenzene	8.93	112	99346	5.046	ug/L	99
52) Ethylbenzene	9.06	91	164692	4.994	ug/L	98
53) m,p-xylene	9.19	106	63794	4.993	ug/L	98
54) o-xylene	9.59	106	62988	5.035	ug/L	98
55) Styrene	9.61	104	104107	5.108	ug/L	98
56) Isopropylbenzene	9.98	105	170508	5.019	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	23542	5.154	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	18867	4.941	ug/L	95
61) Bromoform	9.78	173	19282	4.856	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	85246	5.044	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	87252	5.164	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	78795	5.010	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	4286	5.297	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	70693	5.360	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	55358	5.828	ug/L	99
69) Naphthalene	13.56	128	71848	6.249	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	49165	5.677	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.995 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

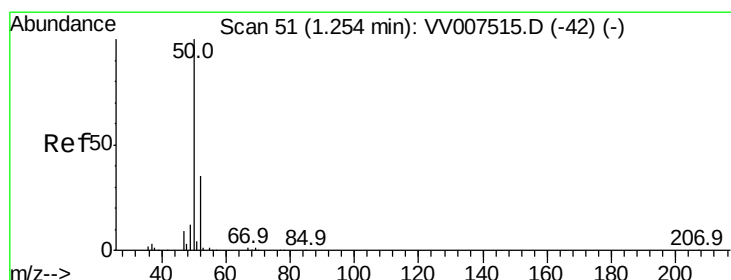
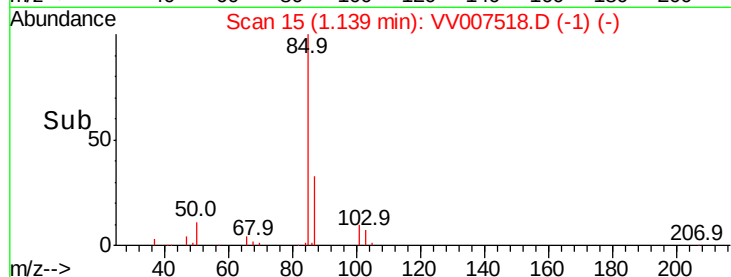
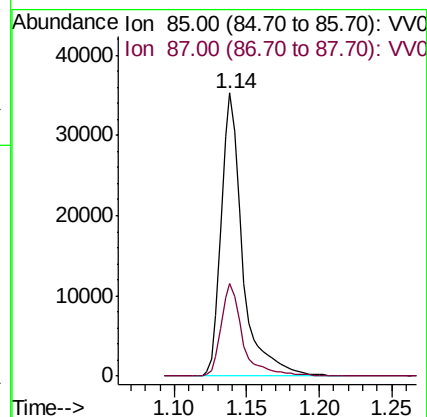
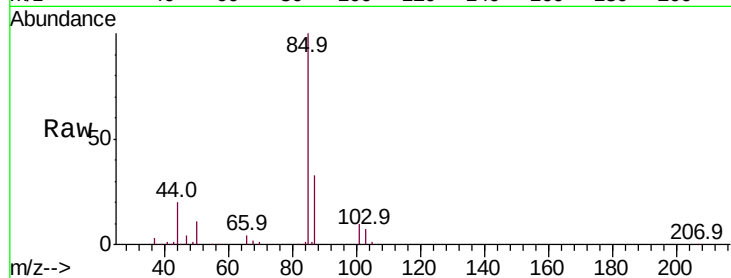
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 36048

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6



#3

Chloromethane

Concen: 4.856 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007518.D

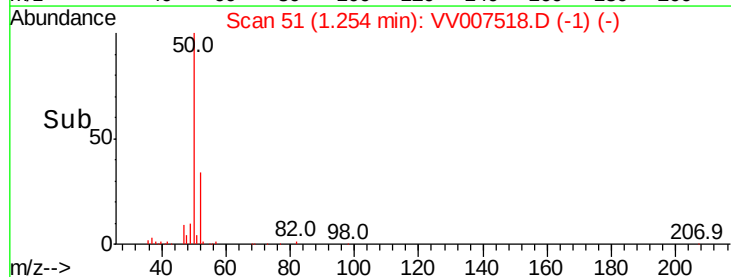
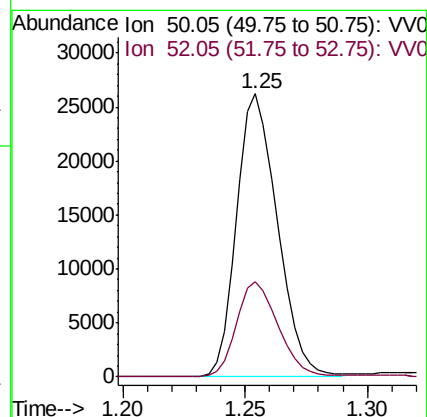
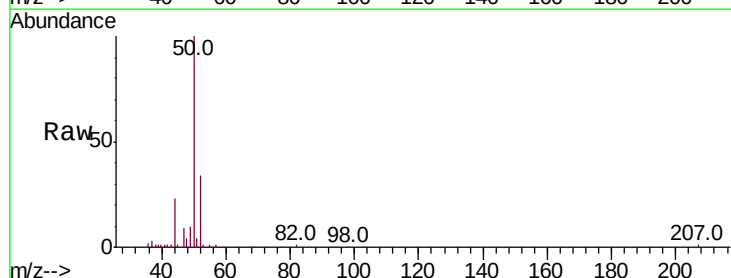
Acq: 13 Sep 2018 19:16

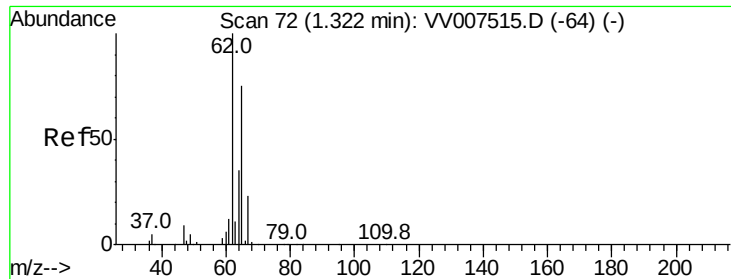
Tgt Ion: 50 Resp: 30459

Ion Ratio Lower Upper

50 100

52 33.6 24.3 45.1





#5

Vinyl chloride

Concen: 5.042 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

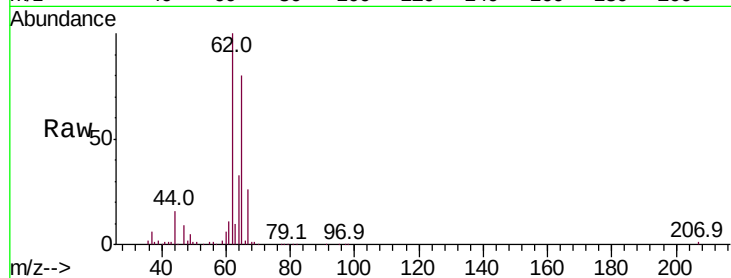
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 35313

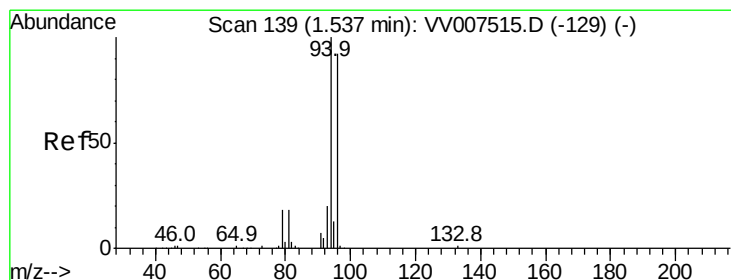
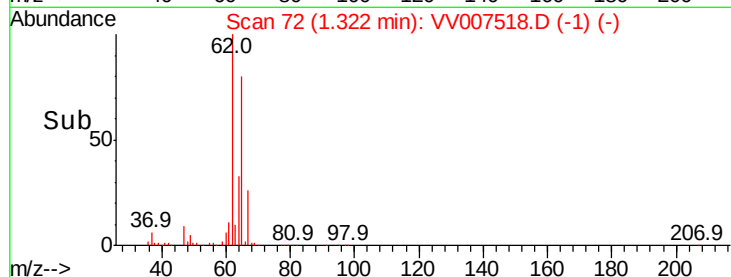
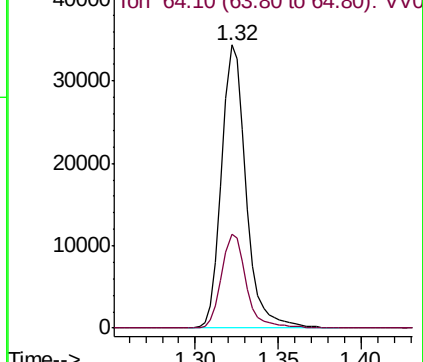
Ion Ratio Lower Upper

62 100

64 33.2 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007518.D (-64) (-)



#6

Bromomethane

Concen: 5.039 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007518.D

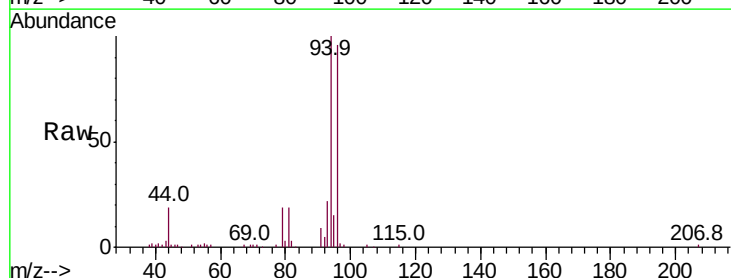
Acq: 13 Sep 2018 19:16

Tgt Ion: 94 Resp: 25186

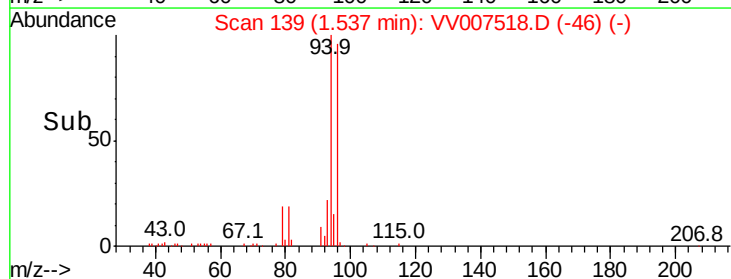
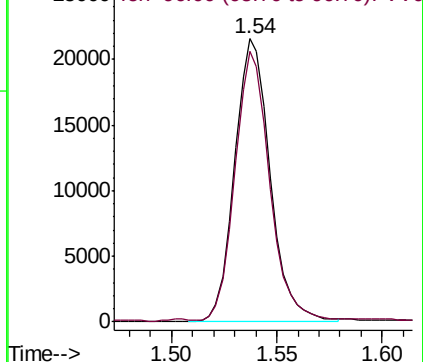
Ion Ratio Lower Upper

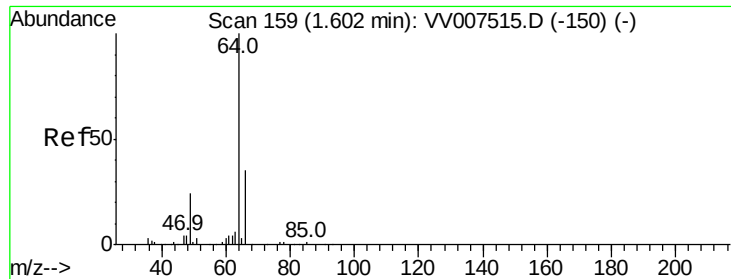
94 100

96 95.6 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007518.D (-129) (-)





#8

Chloroethane

Concen: 4.918 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

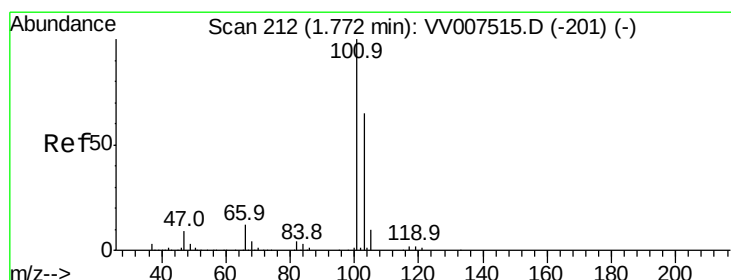
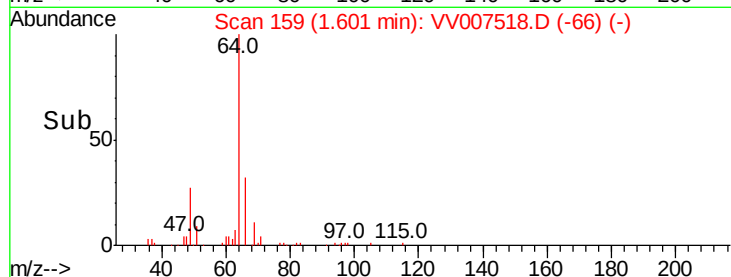
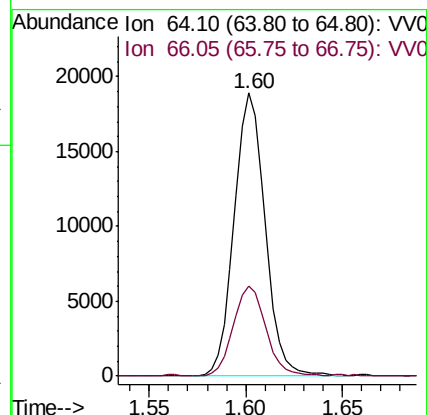
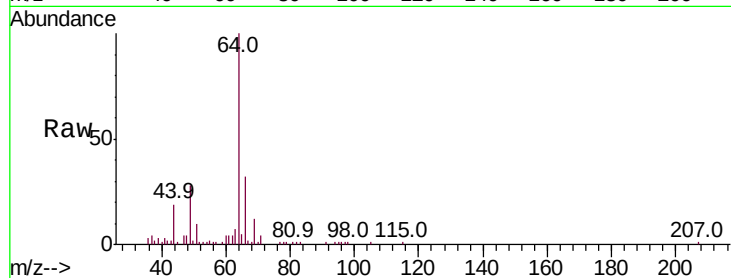
ClientSampleId :

Tot Ion: 64 Resp: 20992

Ion Ratio Lower Upper

64 100

66 32.0 24.3 45.1



#9

Trichlorofluoromethane

Concen: 4.944 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007518.D

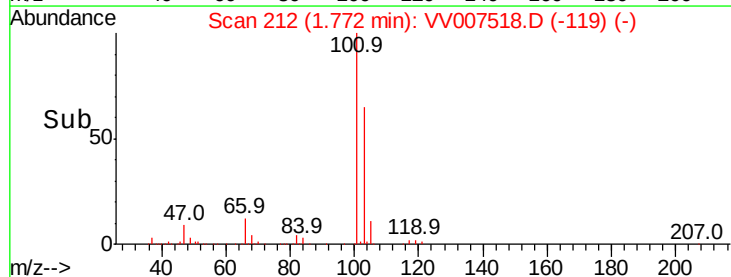
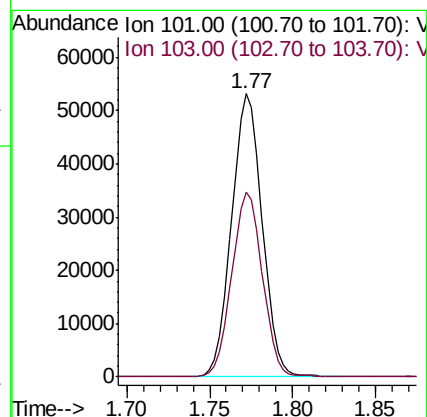
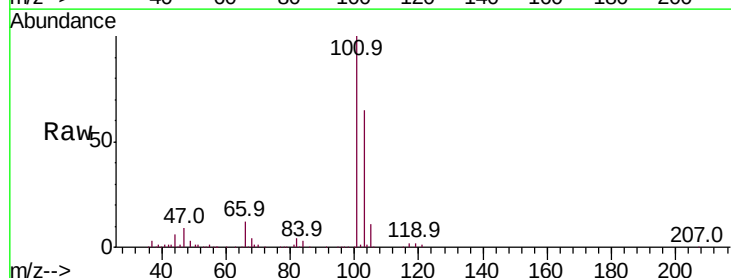
Acq: 13 Sep 2018 19:16

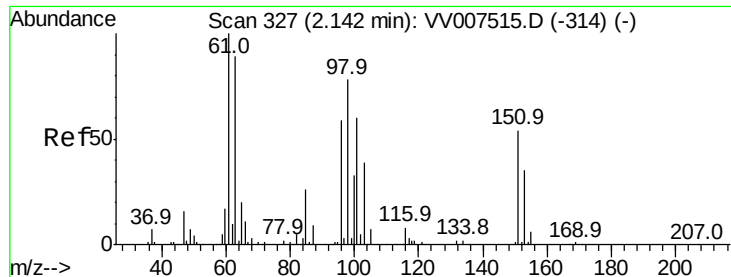
Tgt Ion: 101 Resp: 68303

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.8





#10

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

Concen: 4.991 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

ClientSampleId :

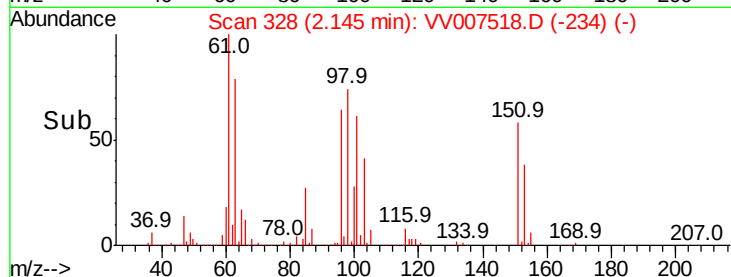
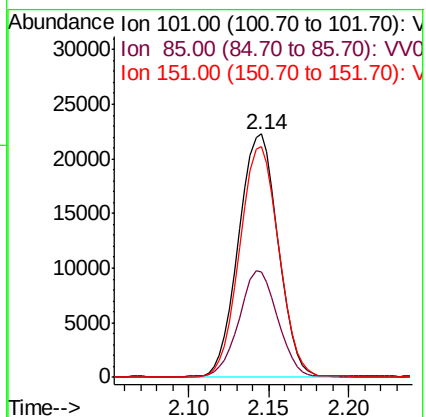
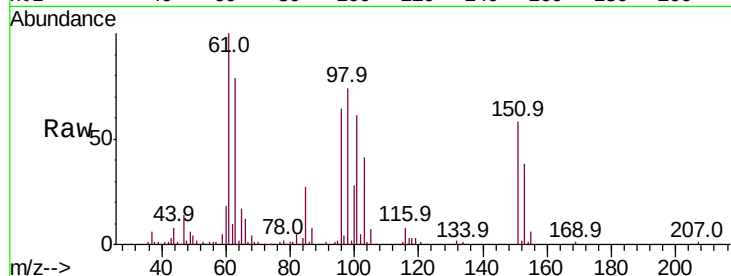
Tot Ion:101 Resp: 37623

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

151 93.7 72.6 109.0



#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

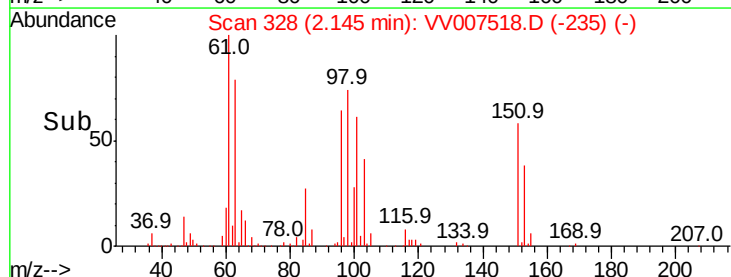
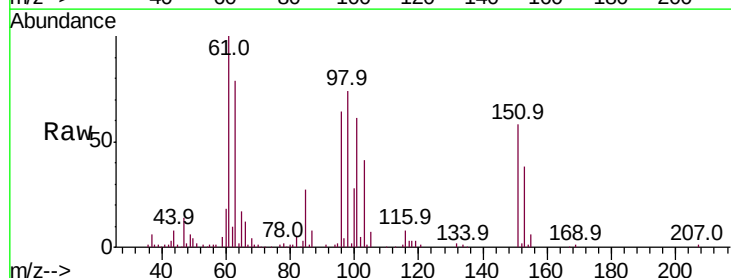
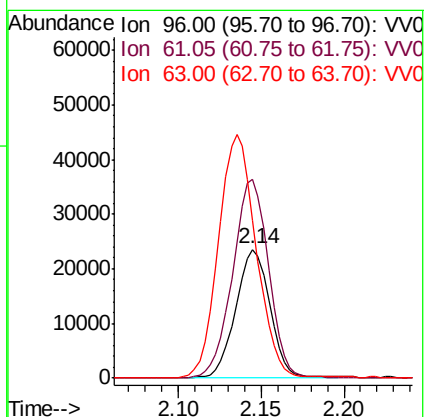
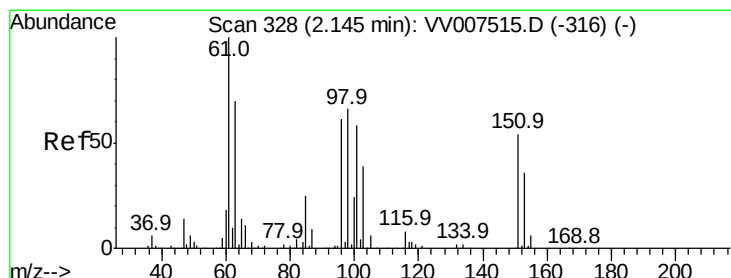
Tgt Ion: 96 Resp: 33238

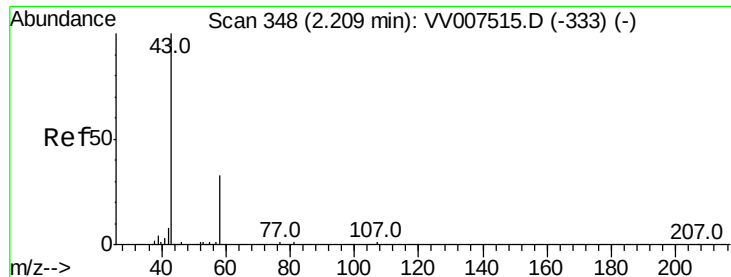
Ion Ratio Lower Upper

96 100

61 155.0 114.8 213.2

63 122.4 81.8 151.8





#13

Acetone

Concen: 41.038 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

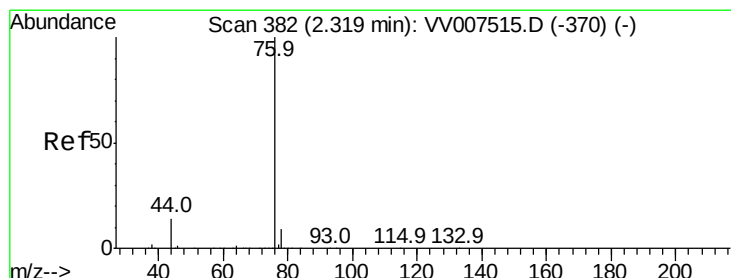
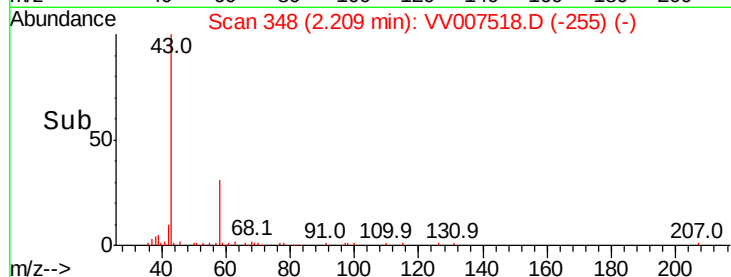
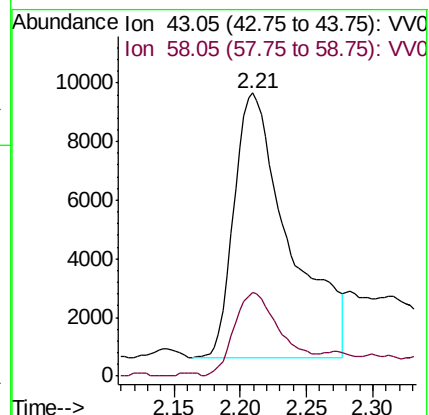
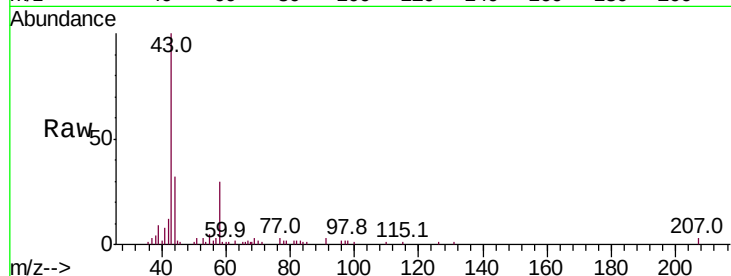
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 26037

Ion Ratio Lower Upper

43 100

58 28.2 0.0 63.4



#14

Carbon disulfide

Concen: 5.110 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007518.D

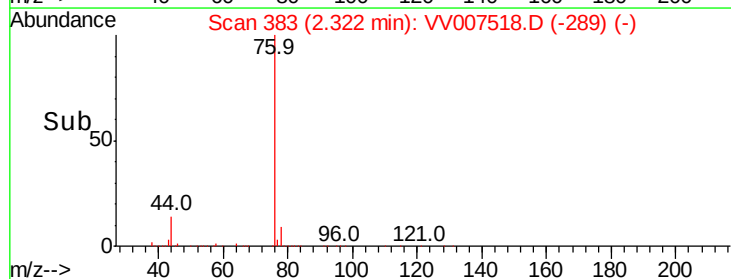
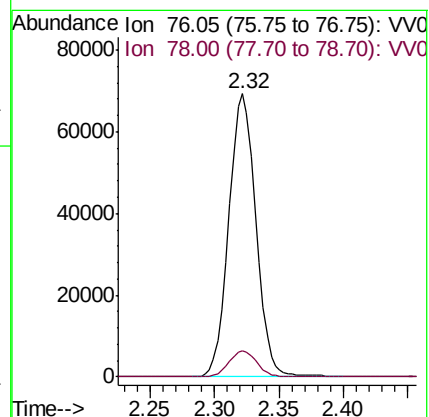
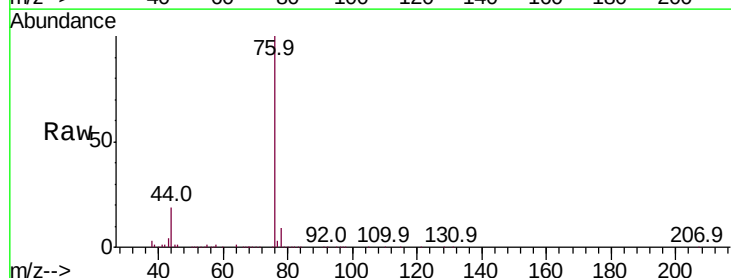
Acq: 13 Sep 2018 19:16

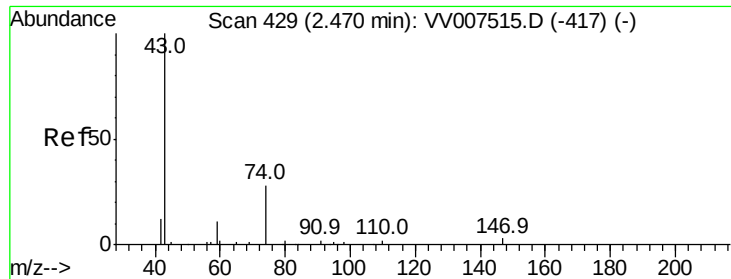
Tgt Ion: 76 Resp: 101159

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

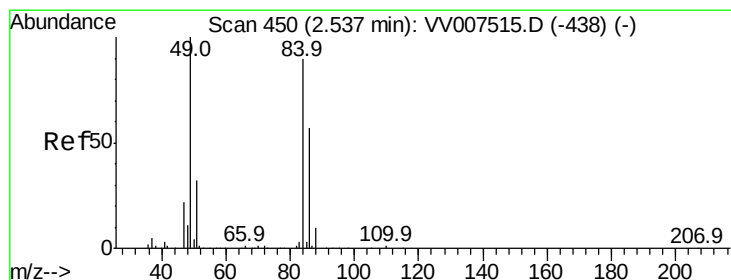
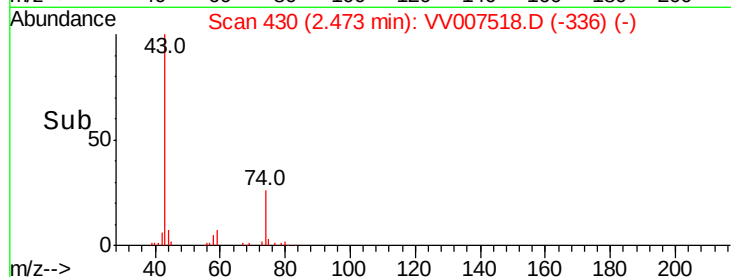
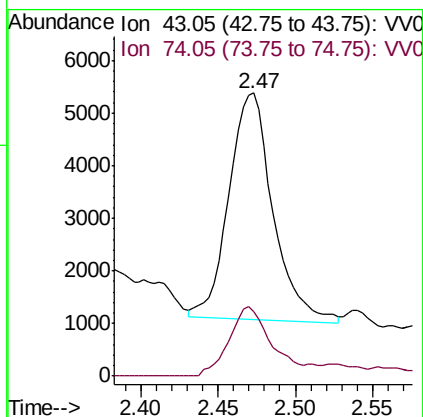
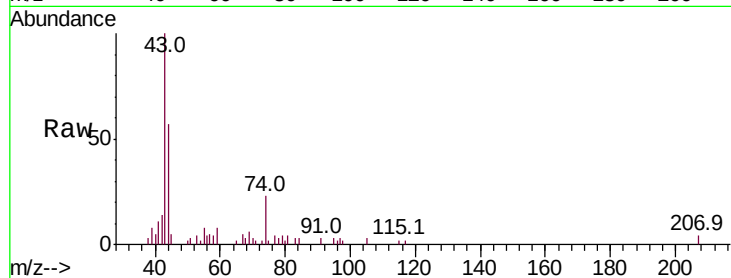




#15
Methvl Acetate
Concen: 4.882 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

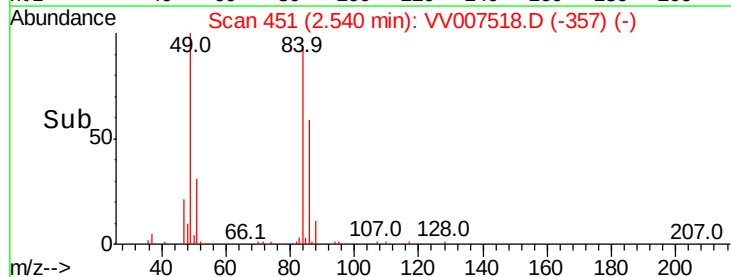
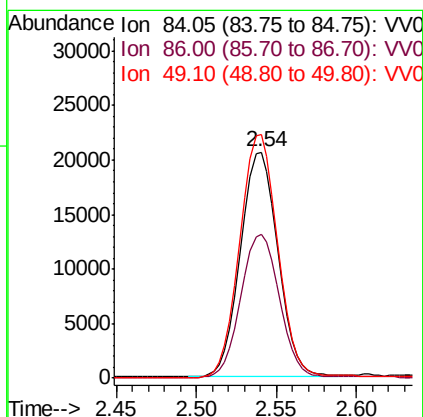
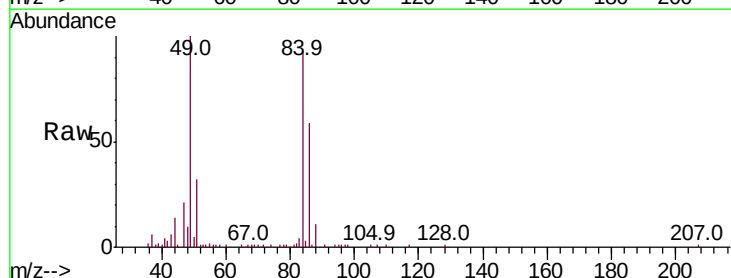
Instrument :
MSVOA_V
ClientSampled :

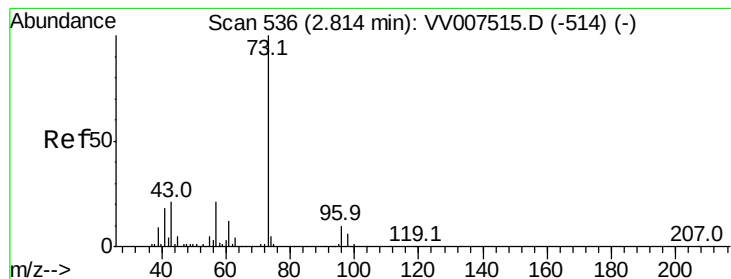
Tot Ion: 43 Resp: 8490
Ion Ratio Lower Upper
43 100
74 29.4 25.4 38.2



#16
Methylene chloride
Concen: 4.520 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Tgt Ion: 84 Resp: 33065
Ion Ratio Lower Upper
84 100
86 63.5 43.7 81.1
49 107.8 76.8 142.6



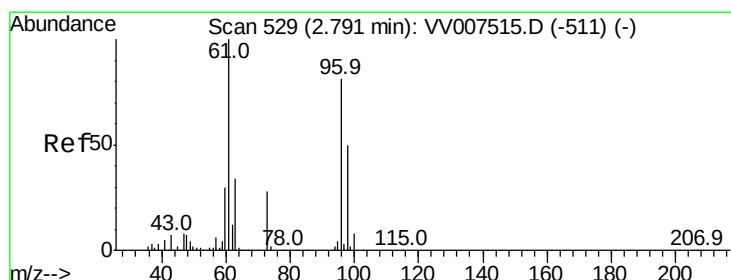
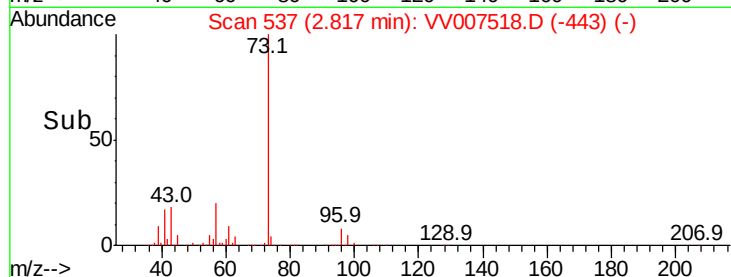
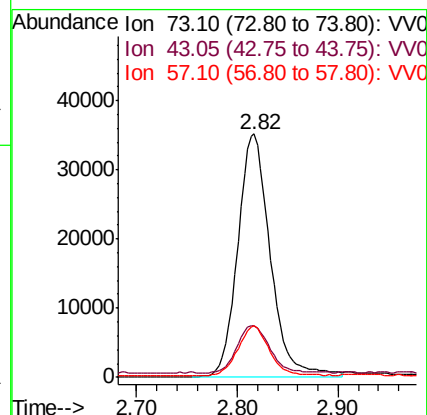
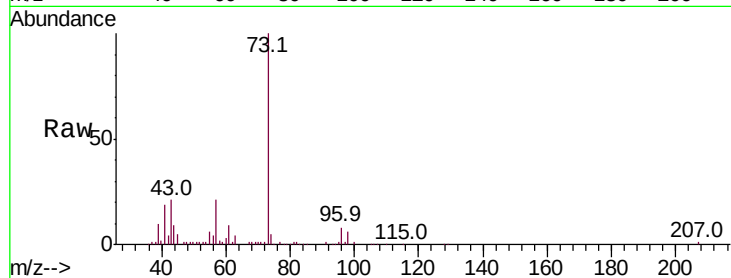


#17

Methyl tert-butyl Ether
 Concen: 4.866 ug/L
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Instrument :
 MSVOA_V
 ClientSampled :

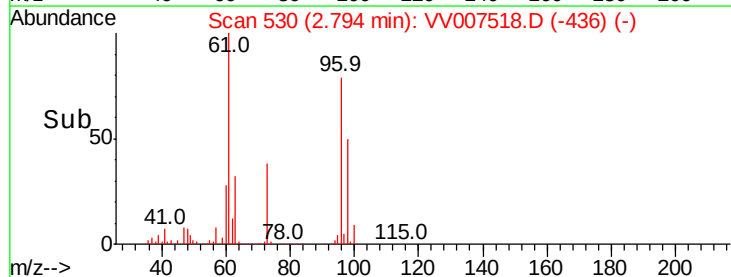
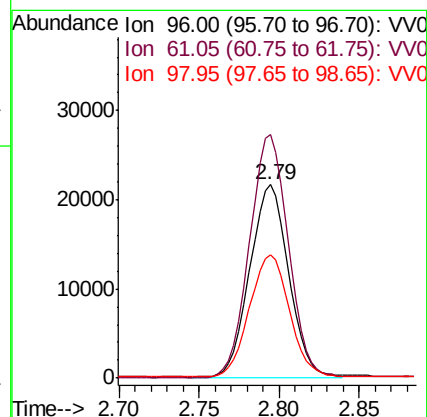
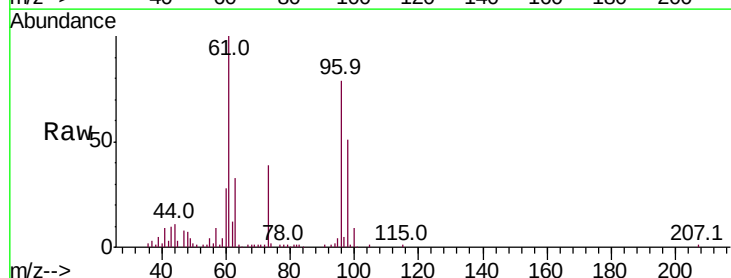
Tot Ion: 73 Resp: 79215
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.8 23.6
 57 20.2 15.8 23.6

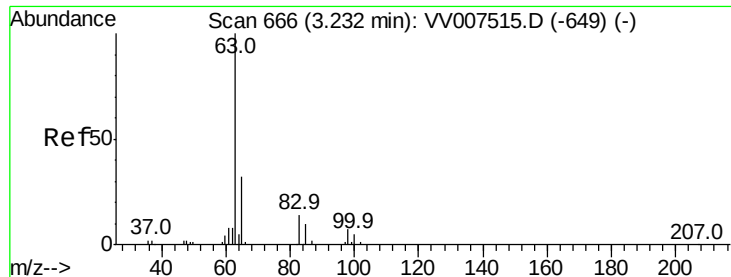


#18

trans-1,2-Dichloroethene
 Concen: 4.881 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion: 96 Resp: 35938
 Ion Ratio Lower Upper
 96 100
 61 125.9 86.8 161.2
 98 64.1 44.4 82.4

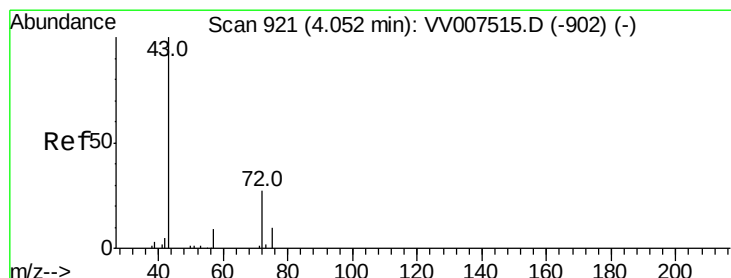
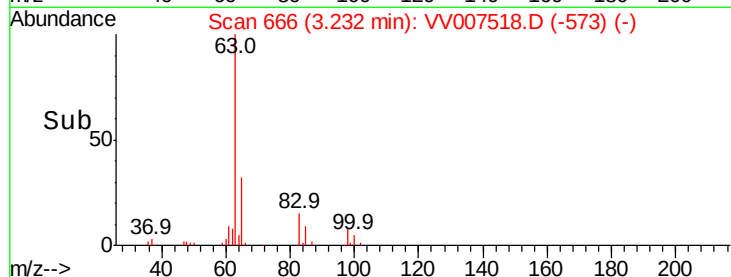
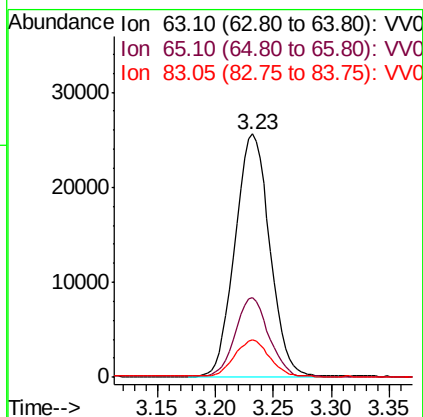
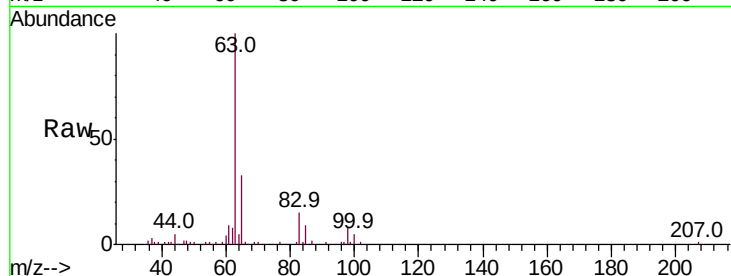




#19
 1,1-Dichloroethane
 Concen: 5.007 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

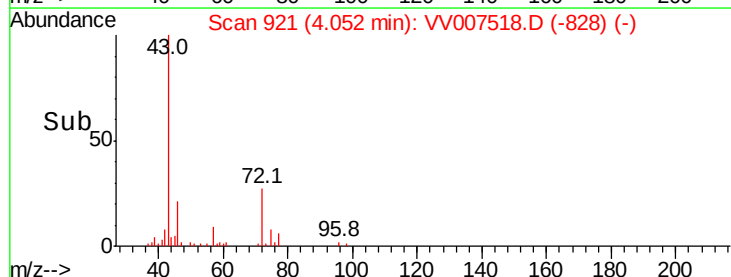
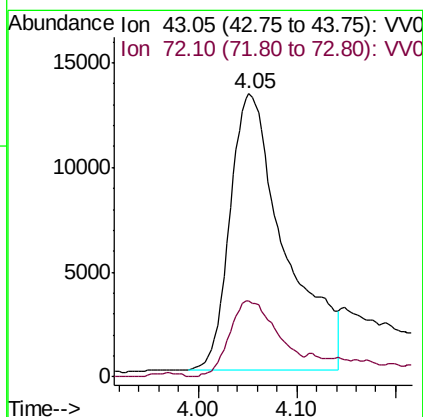
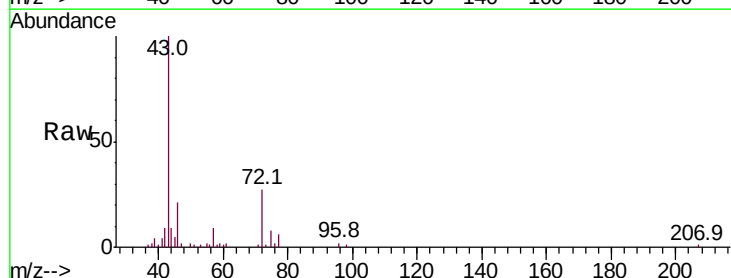
Instrument :
 MSVOA_V
 ClientSampleId :

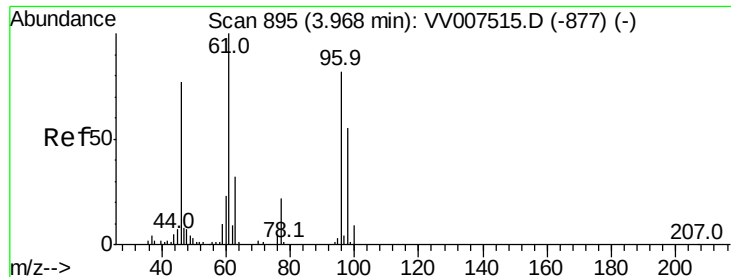
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.5	41.9
83	15.4	10.4	19.2



#21
 2-Butanone
 Concen: 47.953 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	14.2	42.6





#22

cis-1,2-Dichloroethene

Concen: 4.940 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :
MSVOA_V
ClientSampleId :

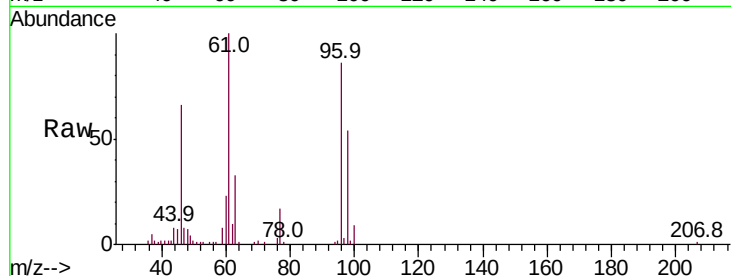
Tot Ion: 96 Resp: 35846

Ion Ratio Lower Upper

96 100

61 116.1 85.3 158.5

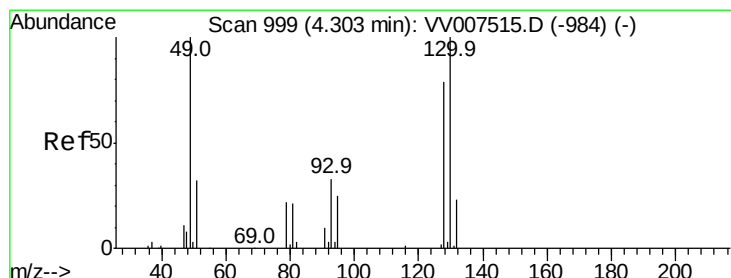
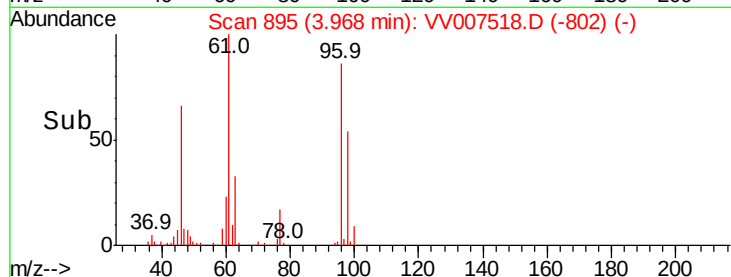
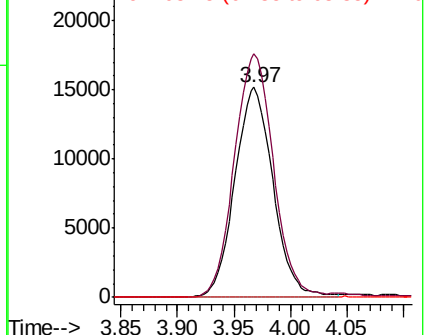
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007518.D (-877) (-)

Ion 61.05 (60.75 to 61.75): VV007518.D (-877) (-)

Ion 68.15 (67.85 to 68.85): VV007518.D (-877) (-)



#23

Bromochloromethane

Concen: 5.088 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Tgt Ion: 128 Resp: 16186

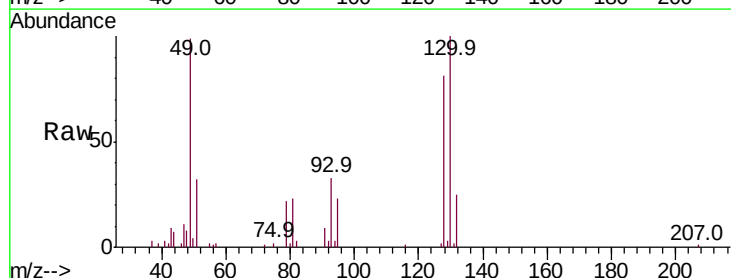
Ion Ratio Lower Upper

128 100

49 122.8 89.0 165.2

130 124.2 88.8 165.0

51 40.0 32.2 48.2

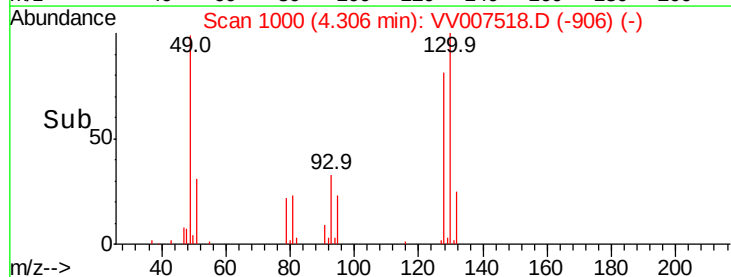
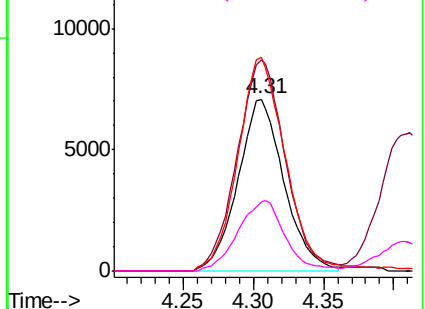


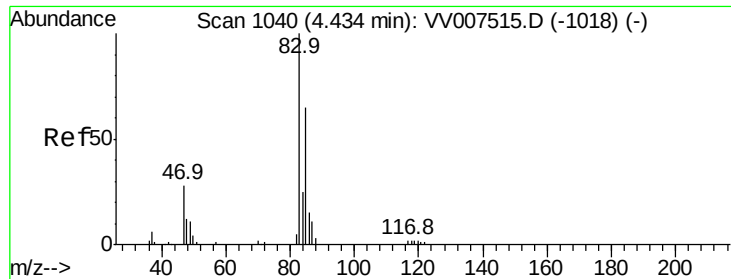
Abundance Ion 127.90 (127.60 to 128.60): VV007518.D (-984) (-)

Ion 49.10 (48.80 to 49.80): VV007518.D (-984) (-)

Ion 129.95 (129.65 to 130.65): VV007518.D (-984) (-)

Ion 51.05 (50.75 to 51.75): VV007518.D (-984) (-)

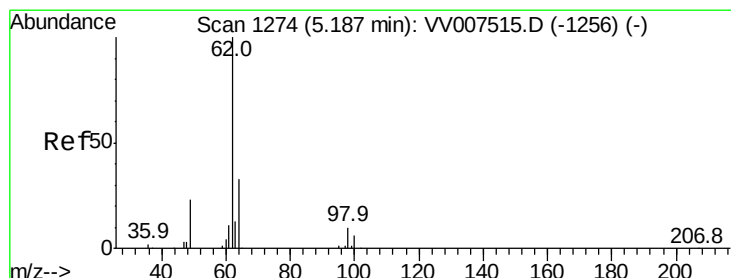
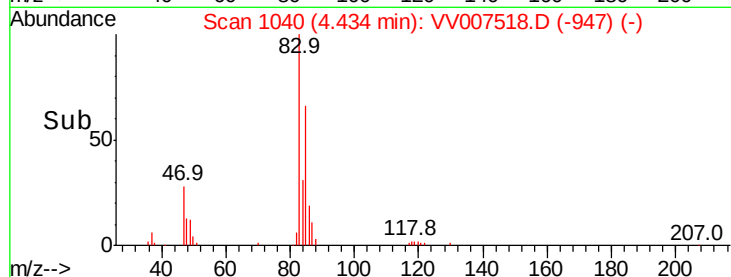
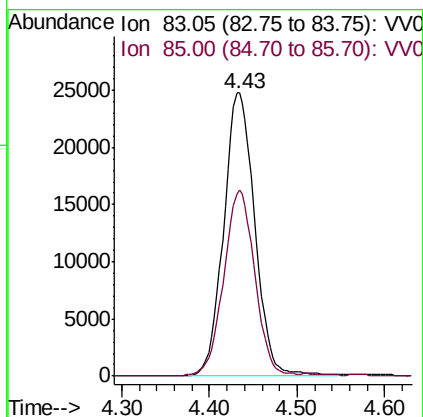
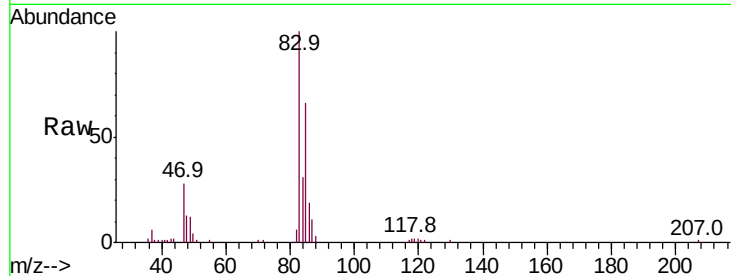




#25
Chloroform
Concen: 4.981 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

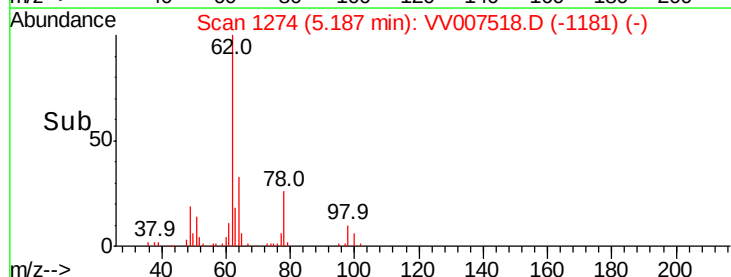
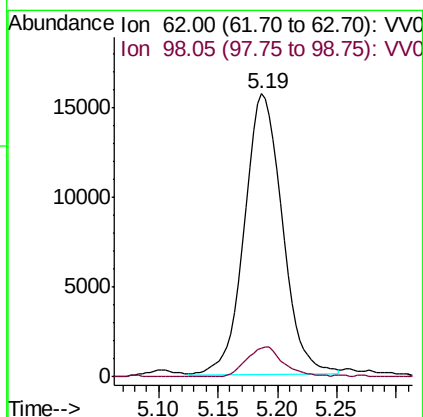
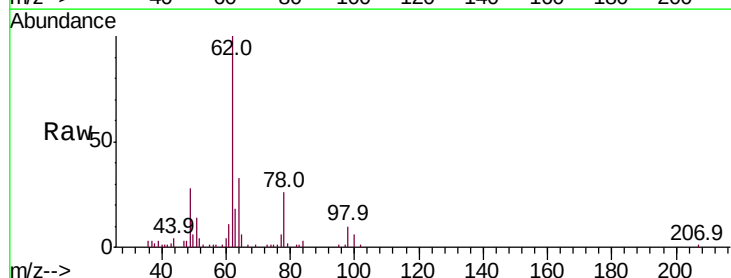
Instrument :
MSVOA_V
ClientSampled :

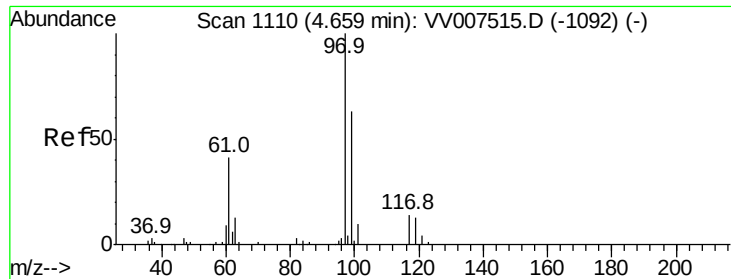
Tot Ion: 83 Resp: 61097
Ion Ratio Lower Upper
83 100
85 65.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.913 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Tgt Ion: 62 Resp: 34694
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4

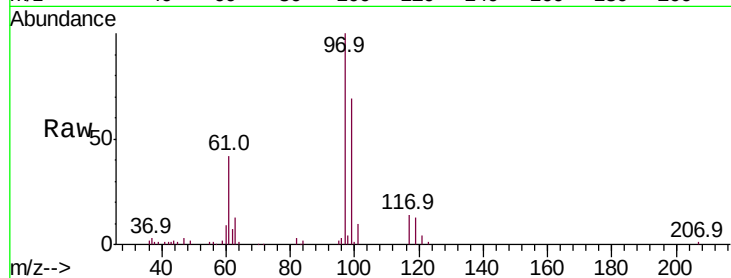




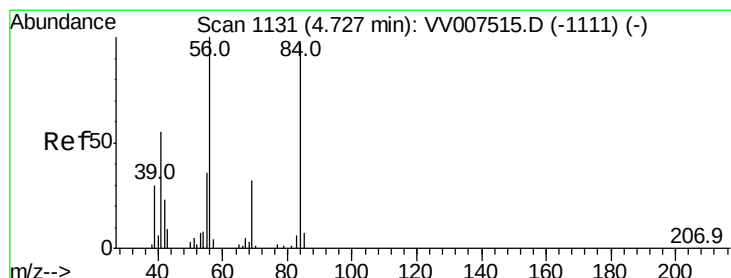
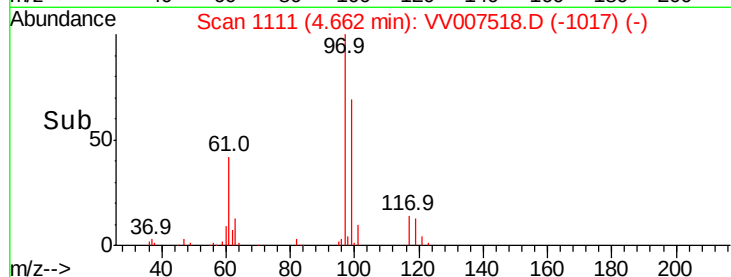
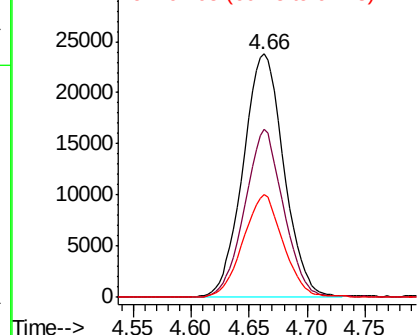
#29
 1,1,1-Trichloroethane
 Concen: 4.898 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 58458
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.7 76.1
 61 41.1 32.5 48.7

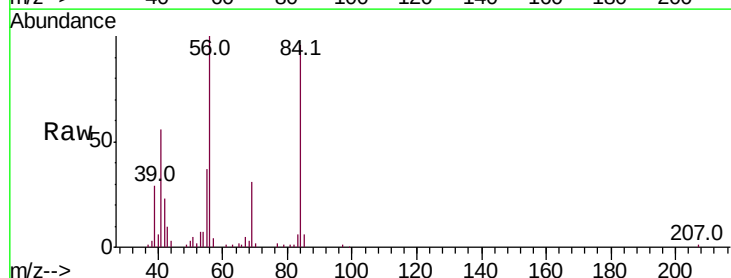


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

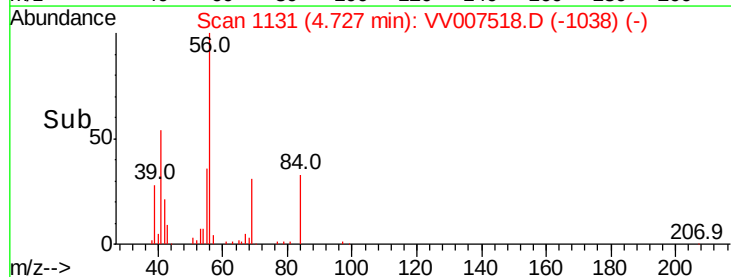
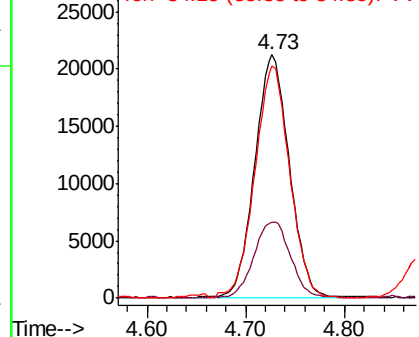


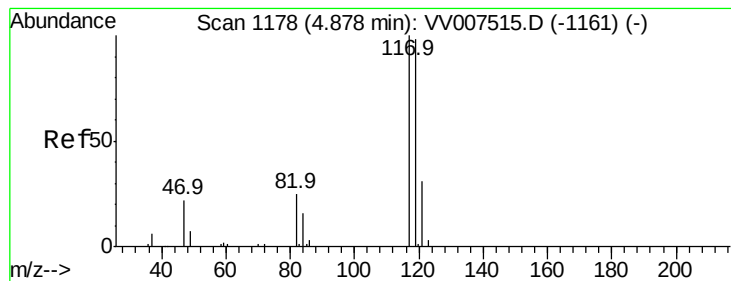
#30
 Cyclohexane
 Concen: 4.953 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion: 56 Resp: 51537
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.1 39.1
 84 95.8 78.0 117.0



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





#31

Carbon tetrachloride

Concen: 4.942 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

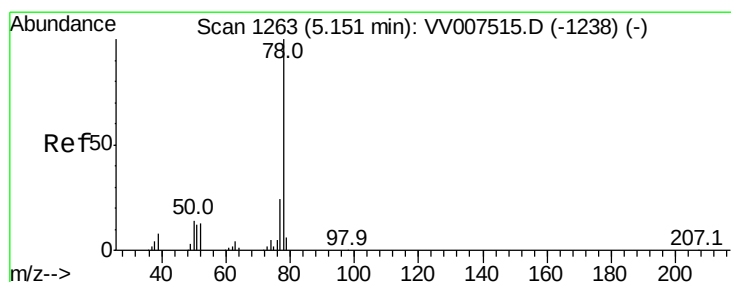
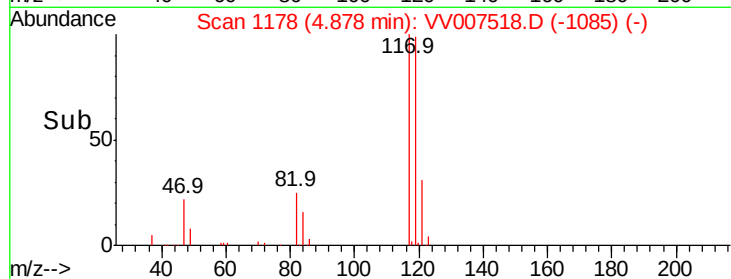
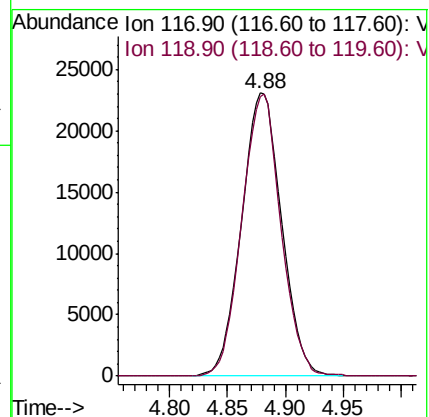
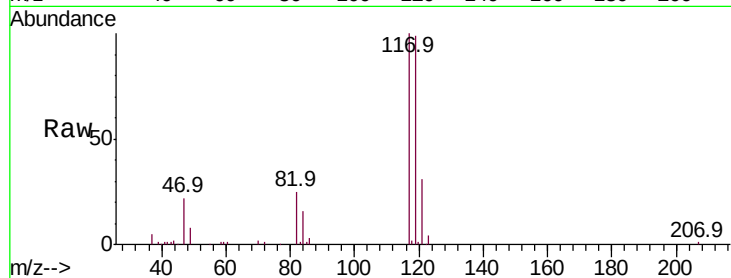
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 55339

Ion Ratio Lower Upper

117 100

119 97.3 77.5 116.3



#33

Benzene

Concen: 4.976 ug/L

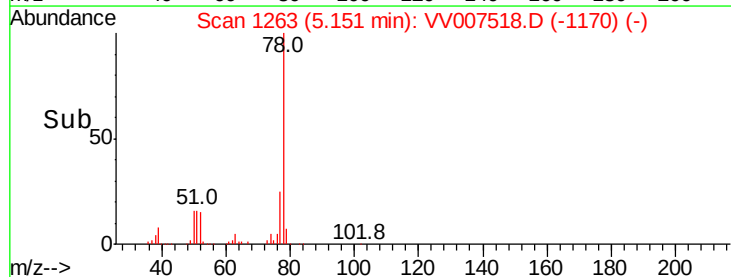
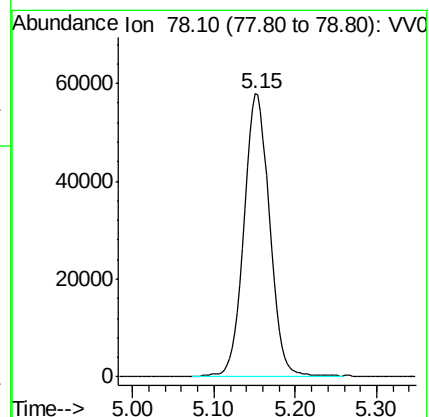
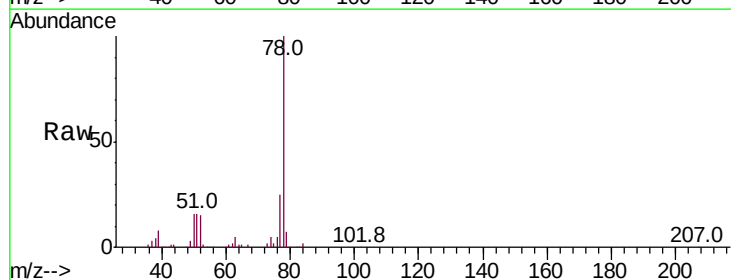
RT: 5.15 min Scan# 1263

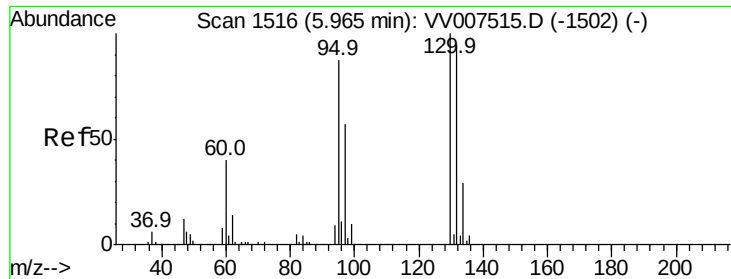
Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Tgt Ion: 78 Resp: 126106





#34

Trichloroethene

Concen: 5.068 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 39387

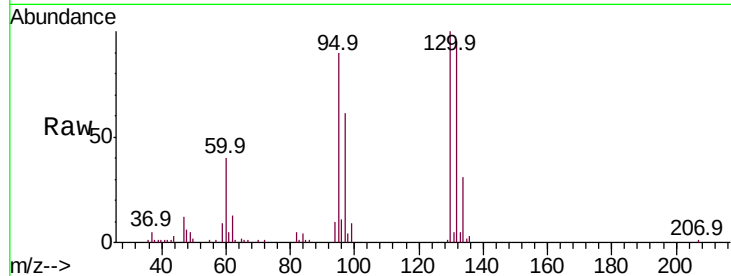
Ion Ratio Lower Upper

95 100

97 68.2 45.5 84.5

132 105.9 74.9 139.1

130 111.4 80.0 148.6

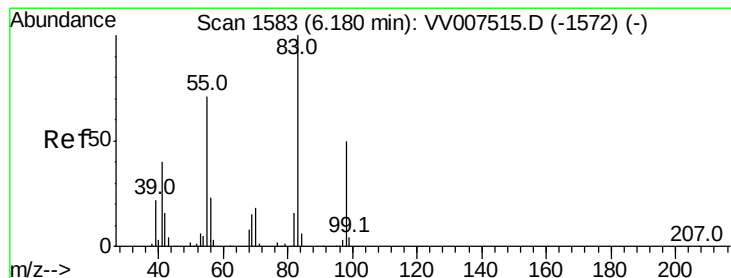
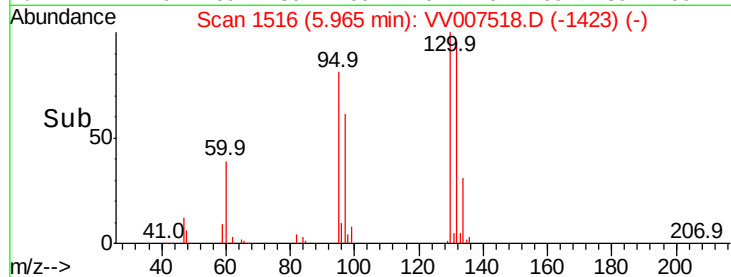
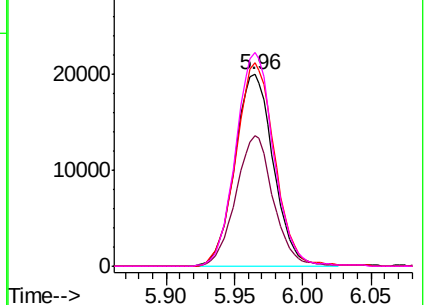


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.130 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

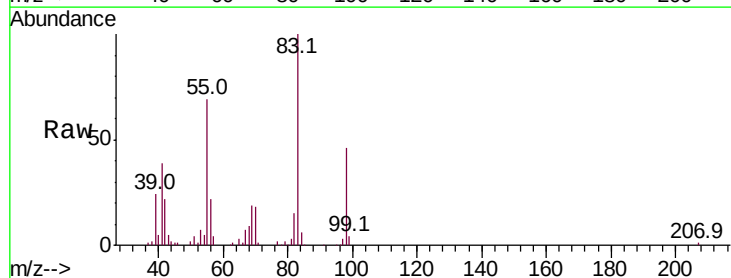
Tgt Ion: 83 Resp: 61567

Ion Ratio Lower Upper

83 100

55 68.5 55.0 82.4

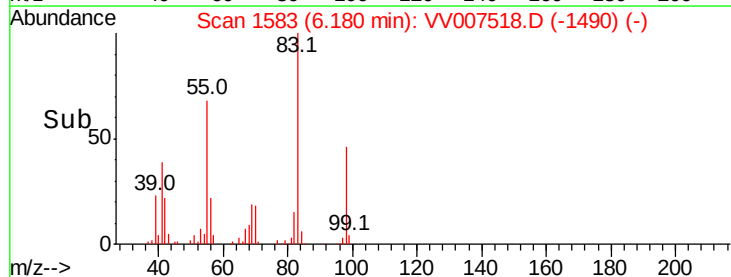
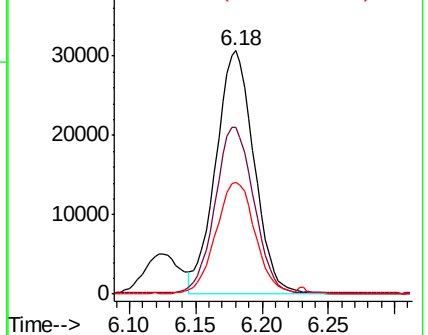
98 47.3 37.6 56.4

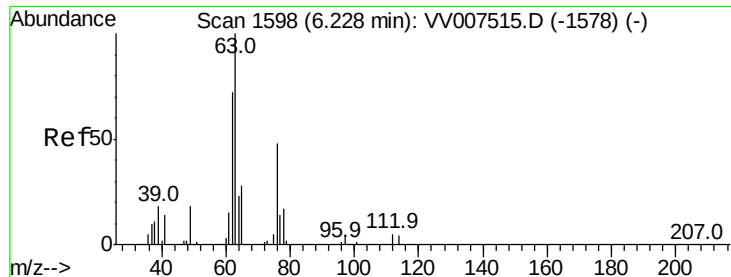


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

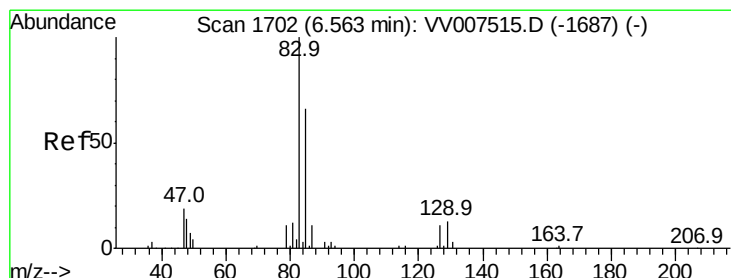
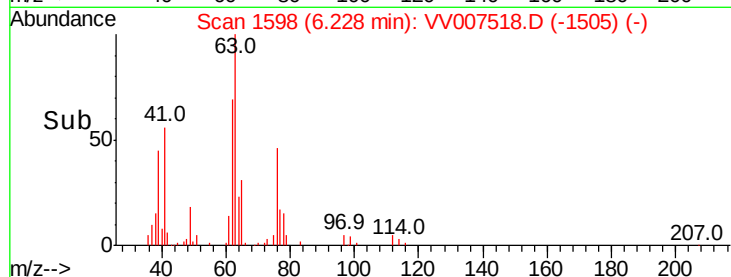
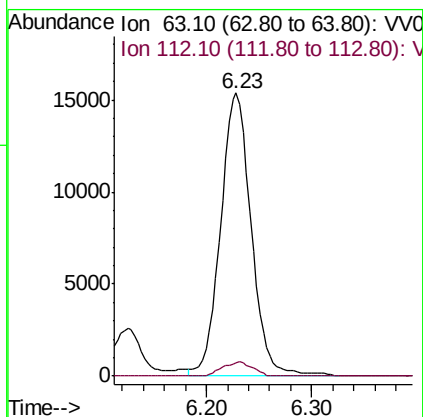
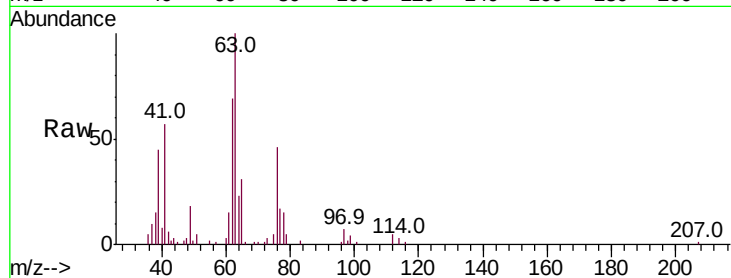




#37
 1,2-Dichloropropane
 Concen: 4.967 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

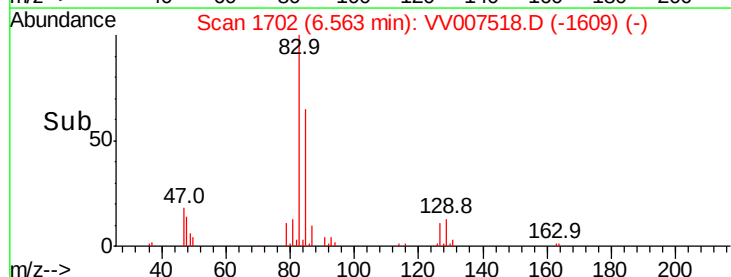
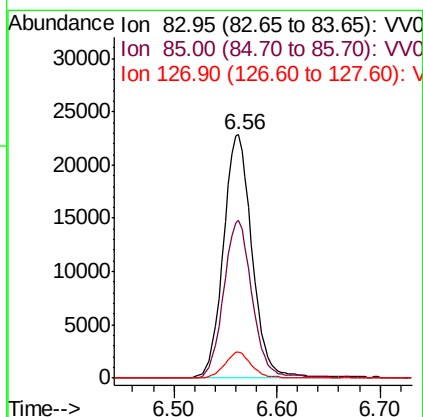
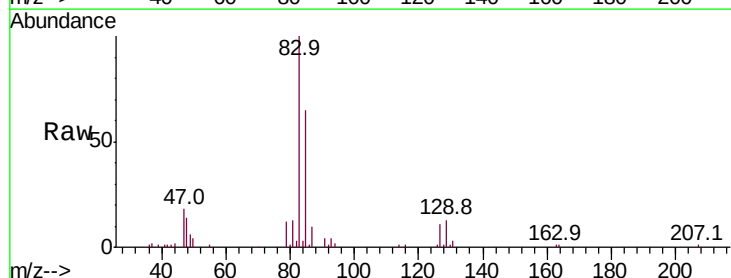
Instrument :
 MSVOA_V
 ClientSampleId :

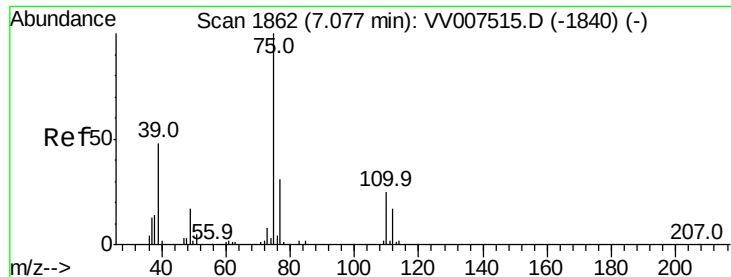
Tot Ion: 63 Resp: 31015
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.887 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion: 83 Resp: 44260
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.4 86.2
 127 10.8 8.4 12.6

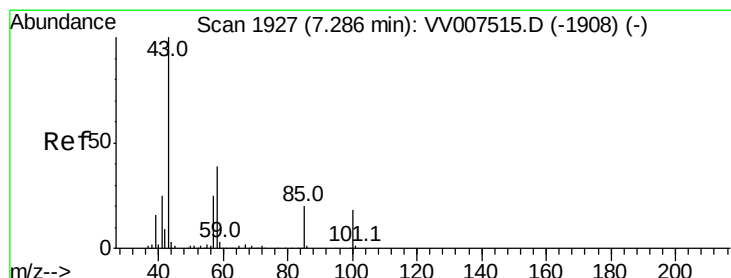
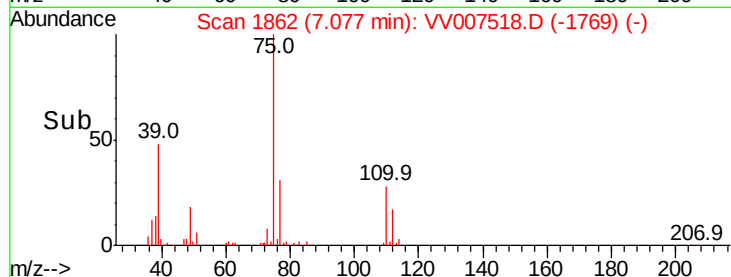
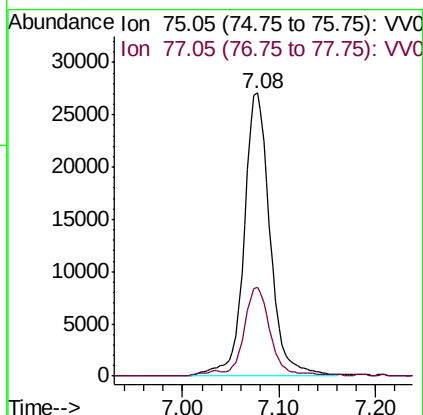
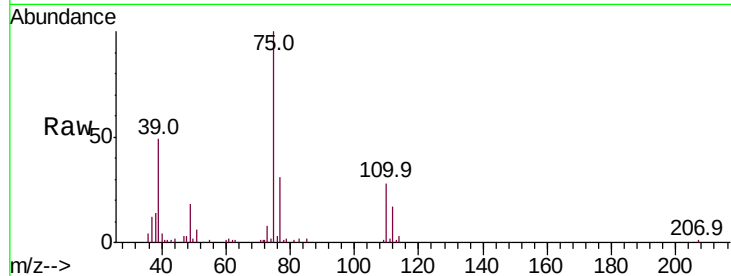




#39
 cis-1,3-Dichloropropene
 Concen: 5.093 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

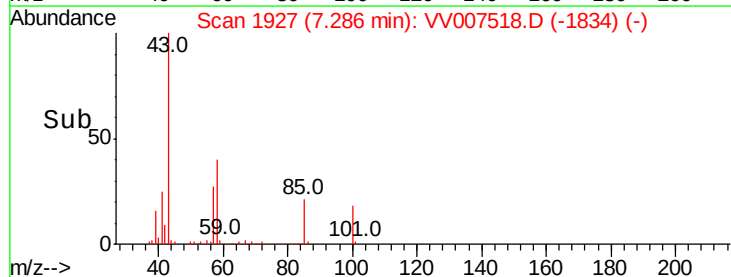
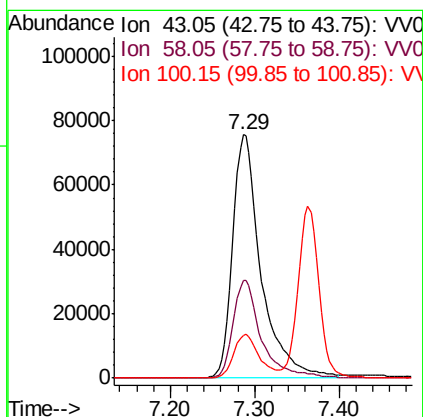
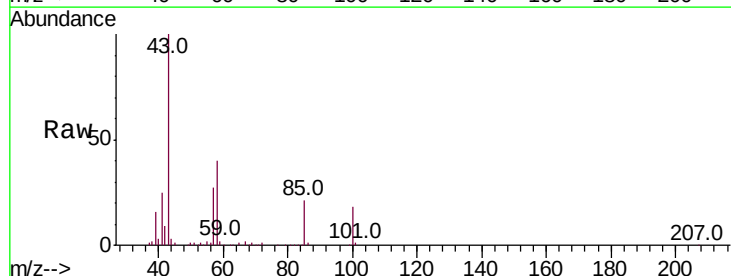
Instrument :
 MSVOA_V
 ClientSampleId :

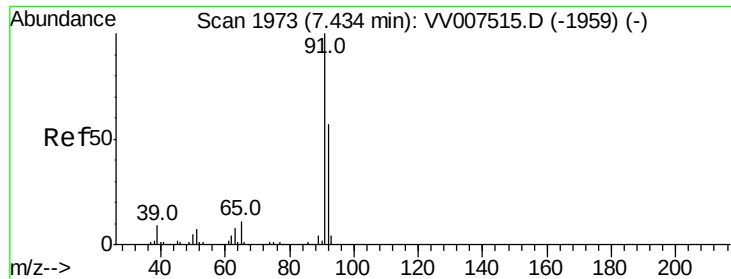
Tot Ion: 75 Resp: 50563
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 51.006 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion: 43 Resp: 175849
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.6 49.0
 100 16.3 13.5 20.3





#42

Toluene

Concen: 4.972 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

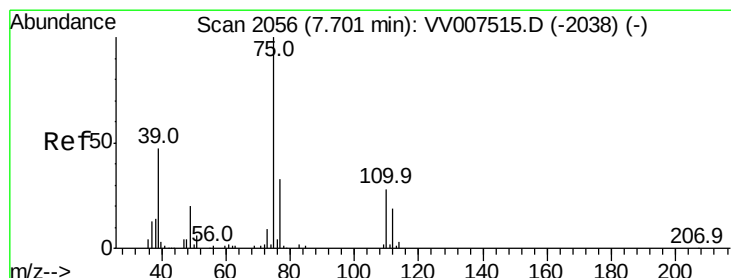
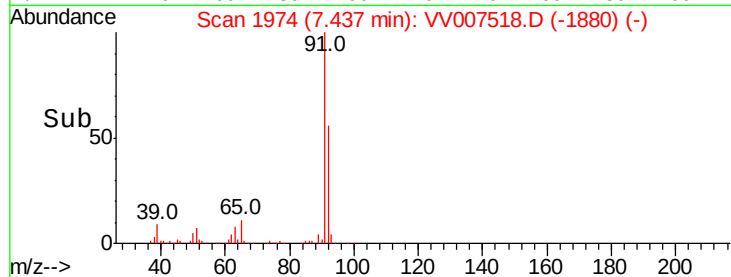
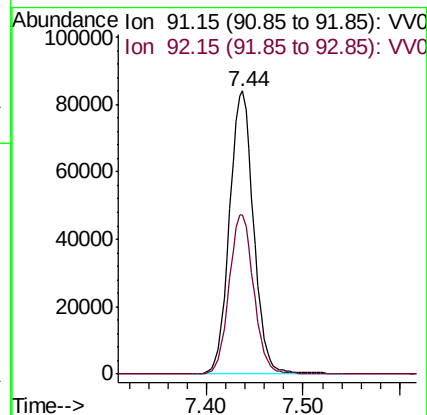
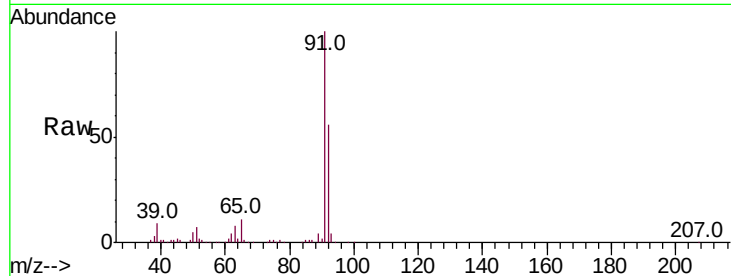
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 145557

Ion Ratio Lower Upper

91 100

92 56.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.974 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007518.D

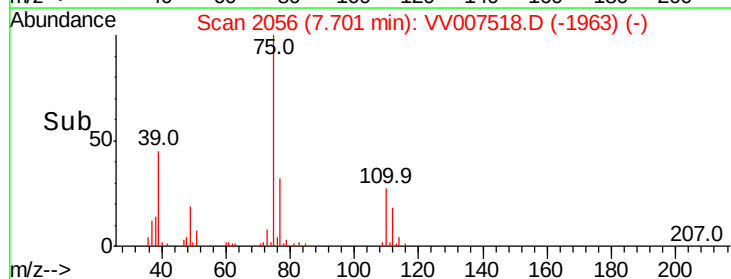
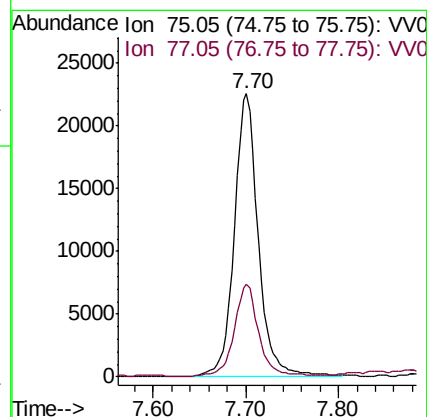
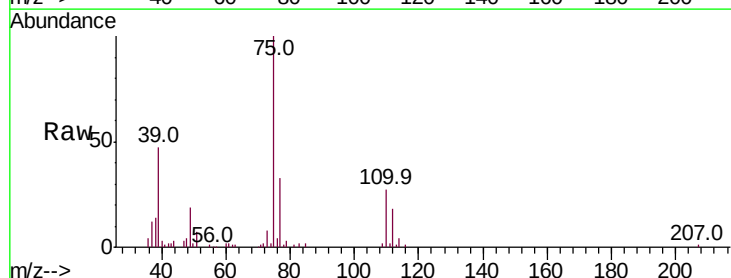
Acq: 13 Sep 2018 19:16

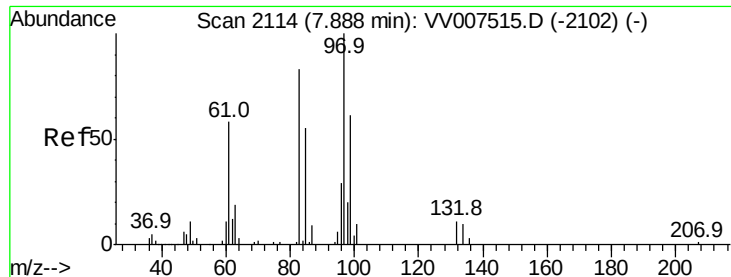
Tgt Ion: 75 Resp: 40624

Ion Ratio Lower Upper

75 100

77 32.7 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 4.932 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 22998

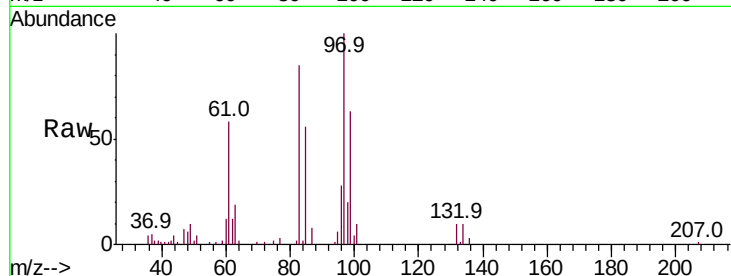
Ion Ratio Lower Upper

97 100

99 62.7 42.9 79.7

83 84.9 58.1 107.9

85 55.9 38.3 71.1



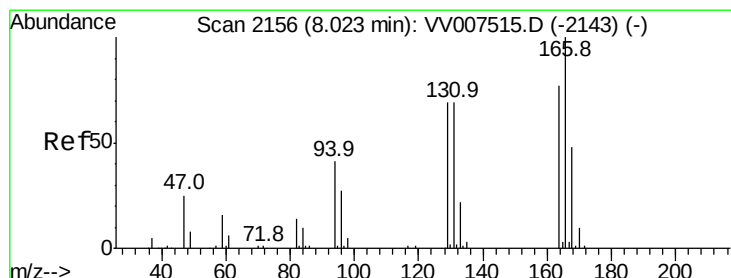
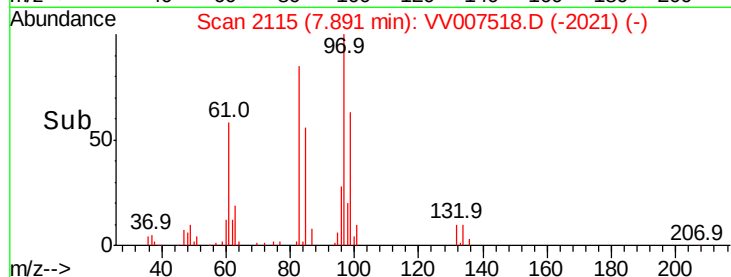
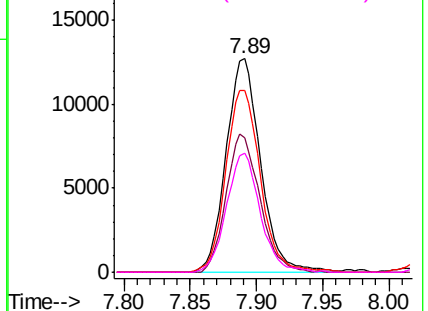
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.060 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Tgt Ion: 164 Resp: 35309

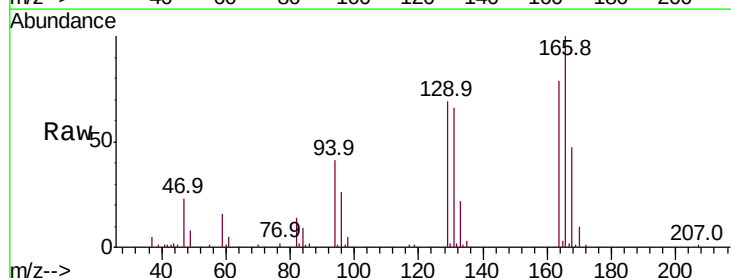
Ion Ratio Lower Upper

164 100

129 86.7 61.9 115.1

131 83.7 62.1 115.3

166 126.5 90.4 167.8



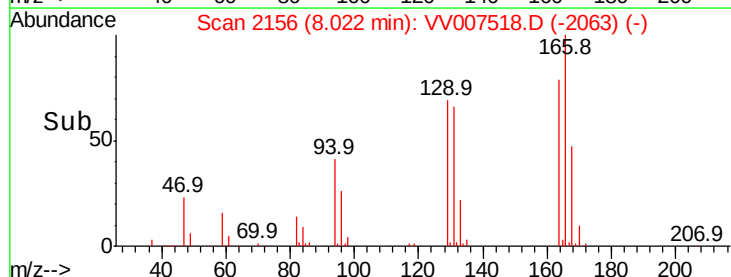
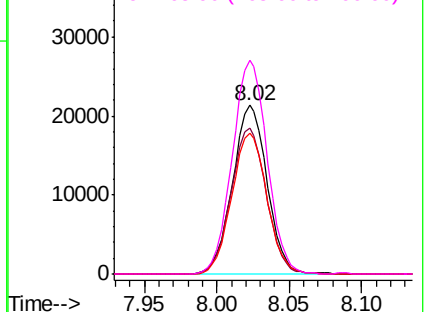
Abundance

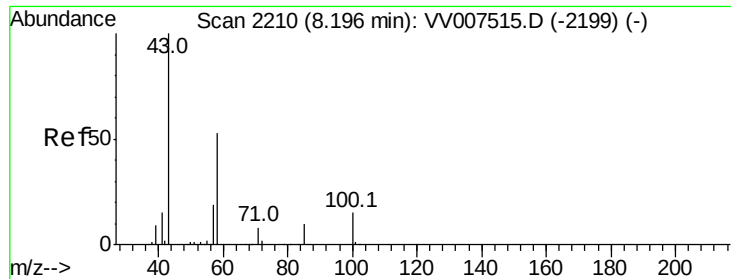
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

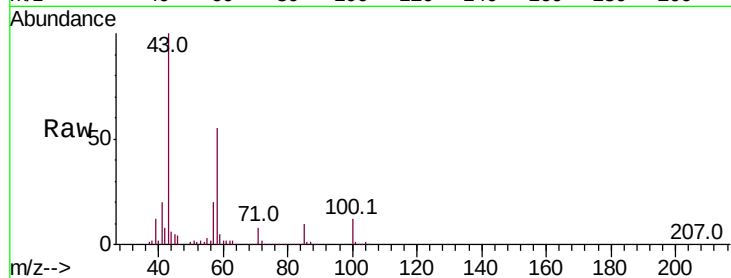




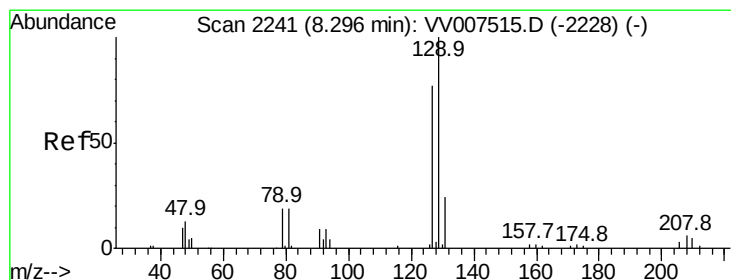
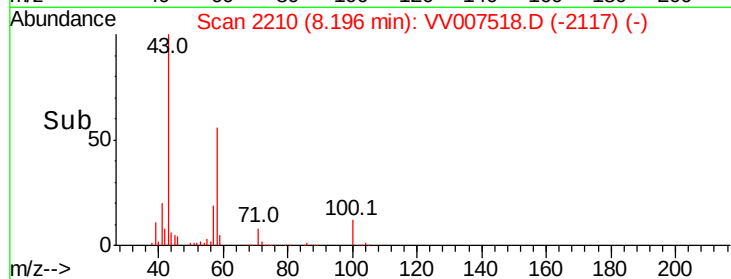
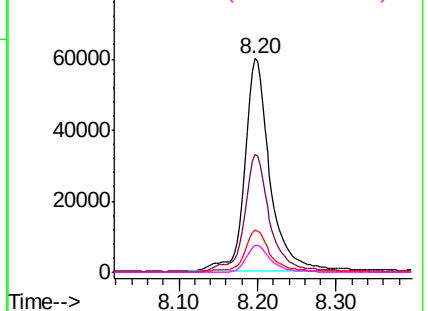
#48
2-Hexanone
Concen: 51.512 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 134830
Ion Ratio Lower Upper
43 100
58 56.3 49.8 74.6
57 19.8 18.2 27.4
100 12.0 11.0 16.4

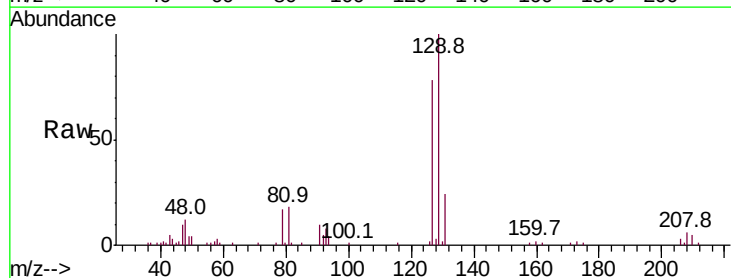


Abundance Ion 43.05 (42.75 to 43.75): VV007518.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV007518.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV007518.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV007518.D (-2199) (-)

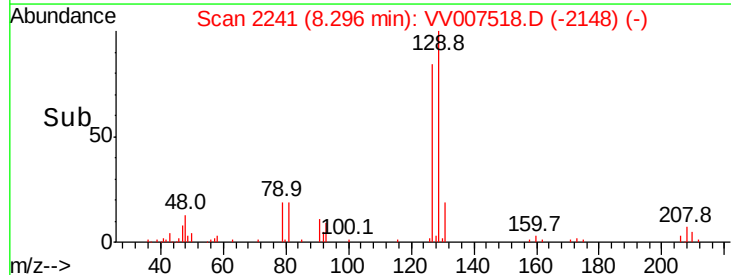
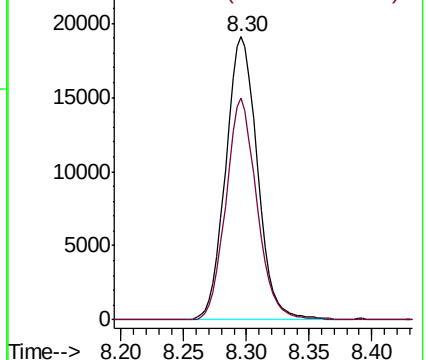


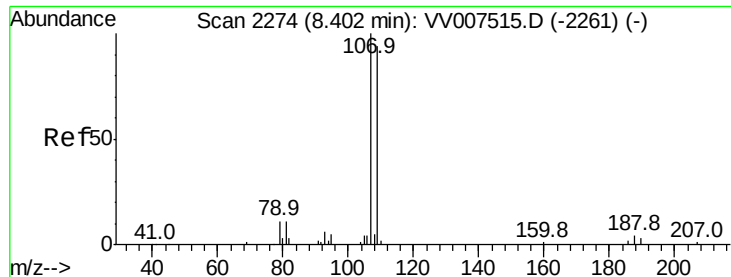
#49
Dibromochloromethane
Concen: 5.078 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Tgt Ion: 129 Resp: 33703
Ion Ratio Lower Upper
129 100
127 78.3 53.8 100.0



Abundance Ion 128.95 (128.65 to 129.65): VV007518.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007518.D (-2228) (-)

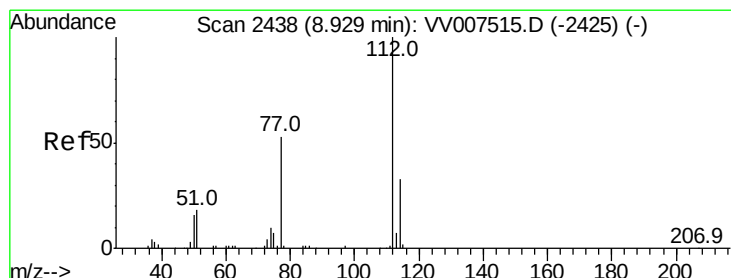
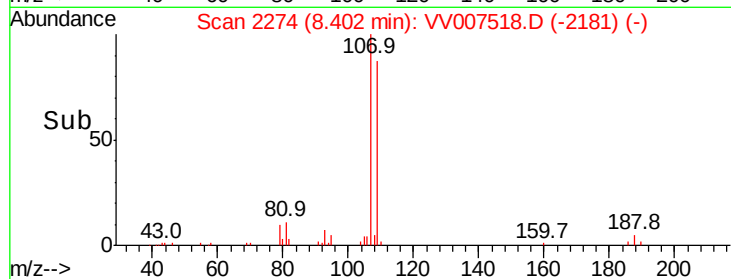
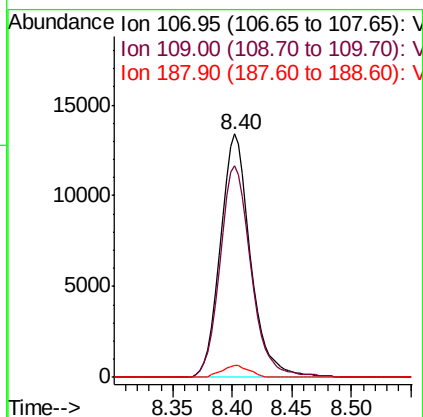
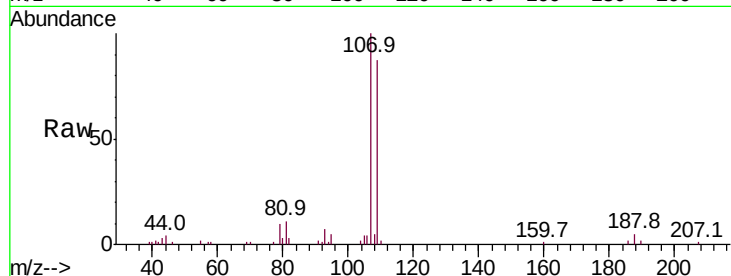




#50
 1,2-Dibromoethane
 Concen: 5.194 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

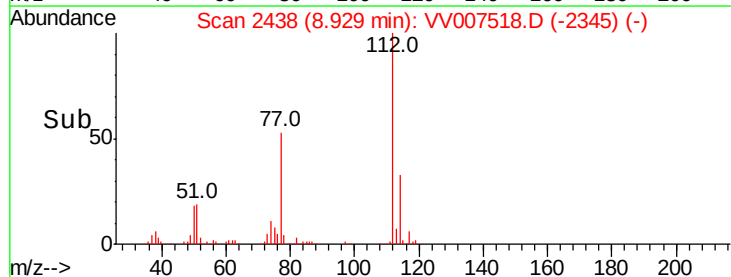
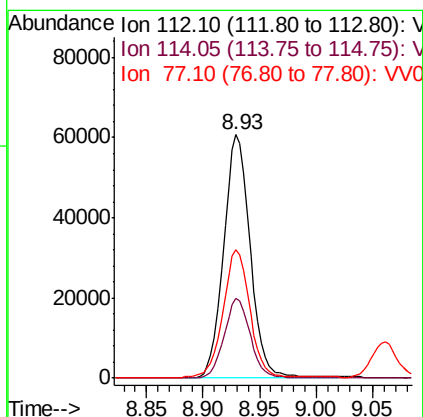
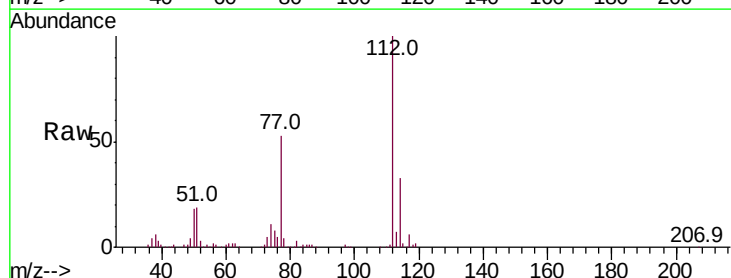
Instrument :
 MSVOA_V
 ClientSampleId :

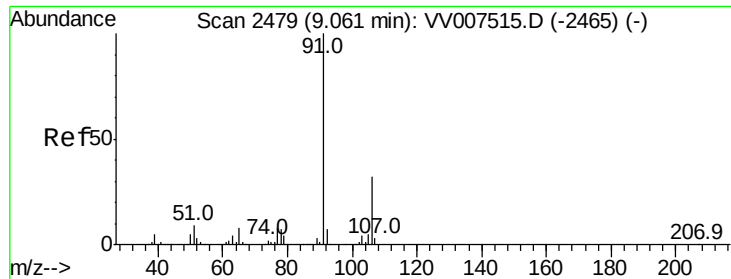
Tot Ion	Ratio	Lower	Upper
107	100		
109	86.9	66.0	122.6
188	5.1	3.3	4.9#



#51
 Chlorobenzene
 Concen: 5.046 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.8	42.4
77	52.8	43.2	64.8





#52

Ethylbenzene

Concen: 4.994 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

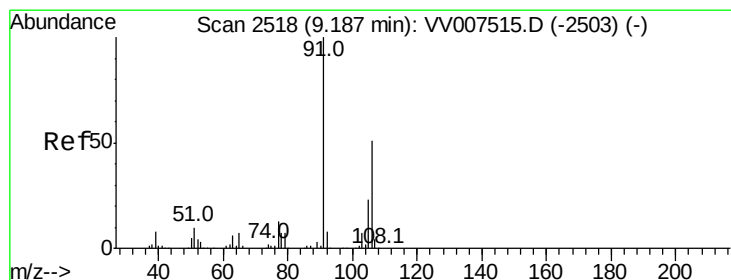
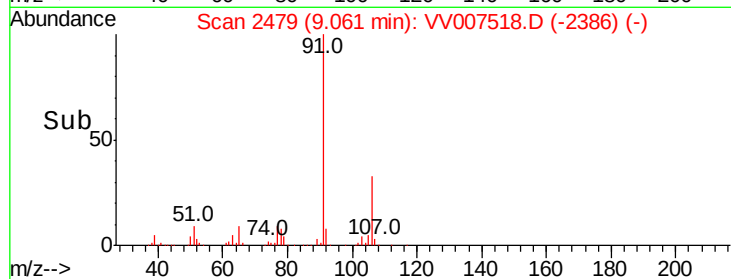
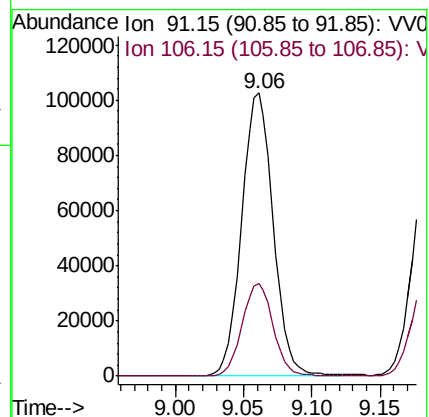
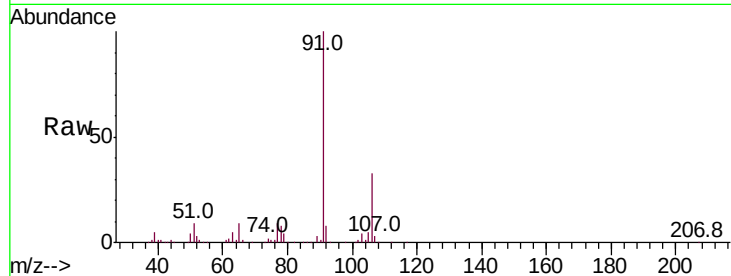
ClientSampled :

Tot Ion: 91 Resp: 164692

Ion Ratio Lower Upper

91 100

106 32.9 22.0 41.0



#53

m,p-xylene

Concen: 4.993 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007518.D

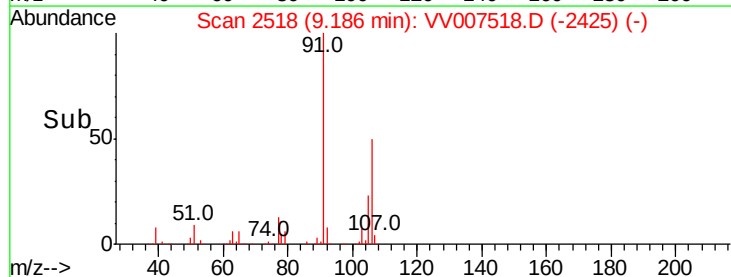
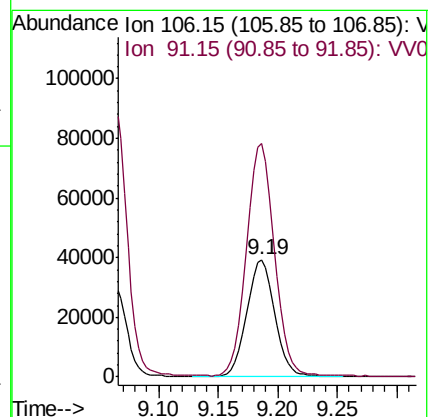
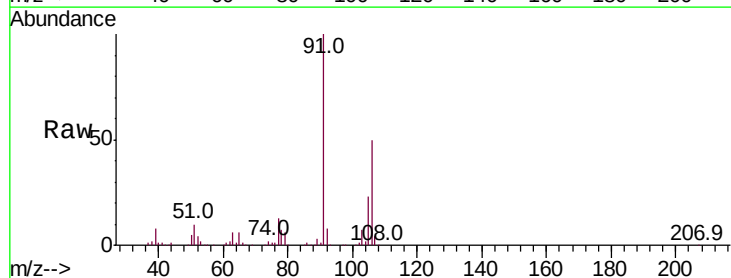
Acq: 13 Sep 2018 19:16

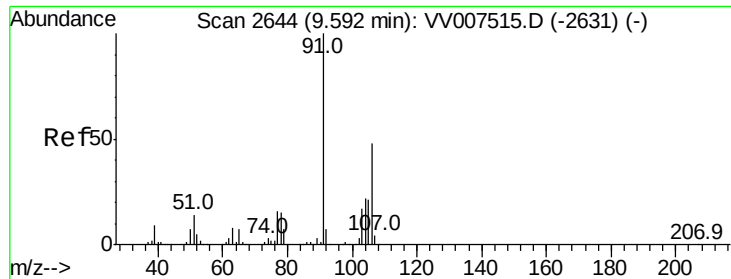
Tgt Ion: 106 Resp: 63794

Ion Ratio Lower Upper

106 100

91 199.3 137.2 254.8

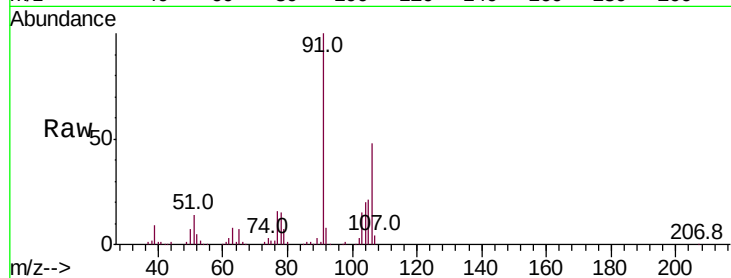




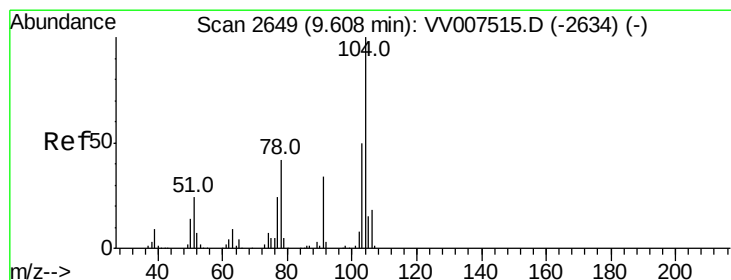
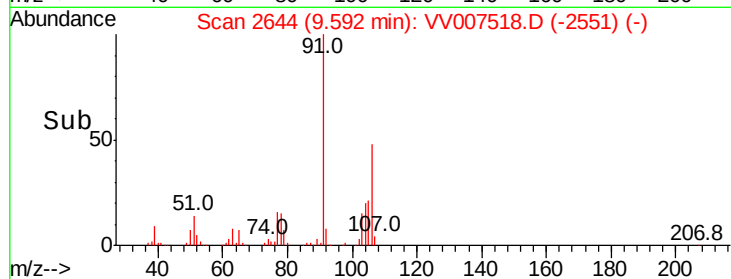
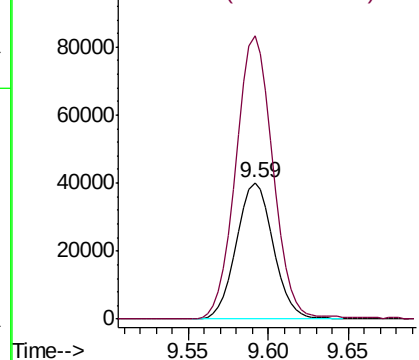
#54
o-xylene
Concen: 5.035 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 62988
Ion Ratio Lower Upper
106 100
91 207.3 147.6 274.0

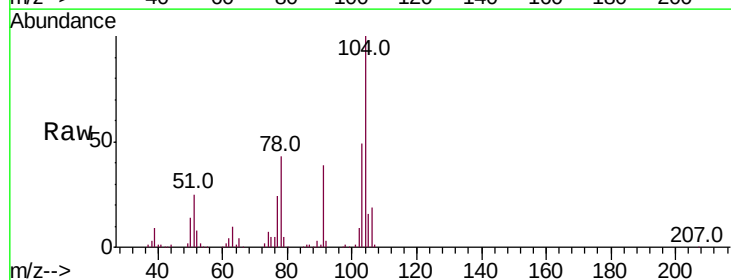


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

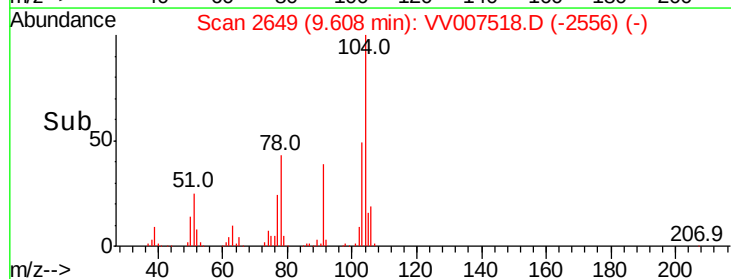
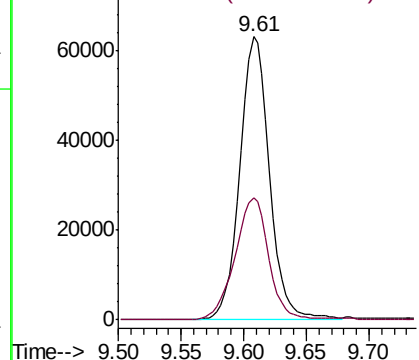


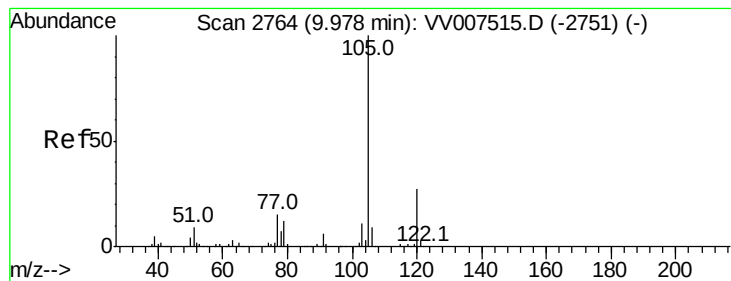
#55
Styrene
Concen: 5.108 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007518.D
Acq: 13 Sep 2018 19:16

Tgt Ion:104 Resp: 104107
Ion Ratio Lower Upper
104 100
78 43.2 29.5 54.7



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





#56

Isopropylbenzene

Concen: 5.019 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

ClientSampleId :

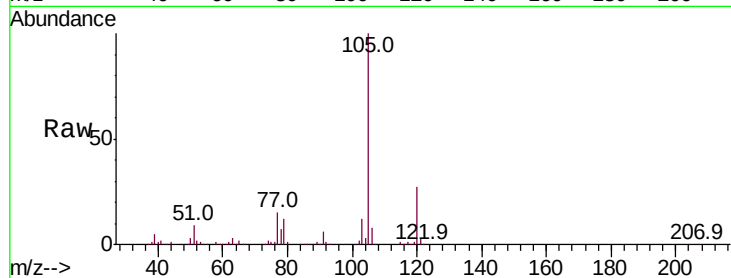
Tot Ion:105 Resp: 170508

Ion Ratio Lower Upper

105 100

120 27.4 22.2 33.2

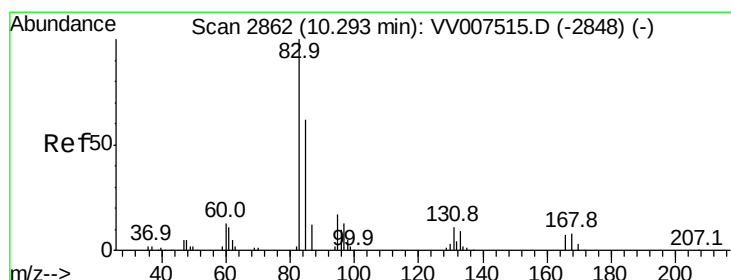
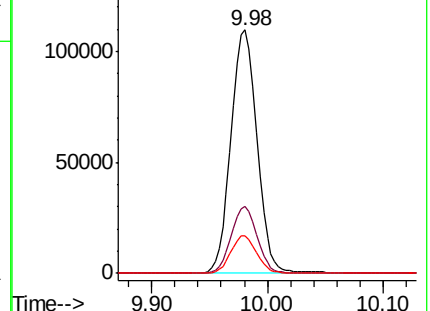
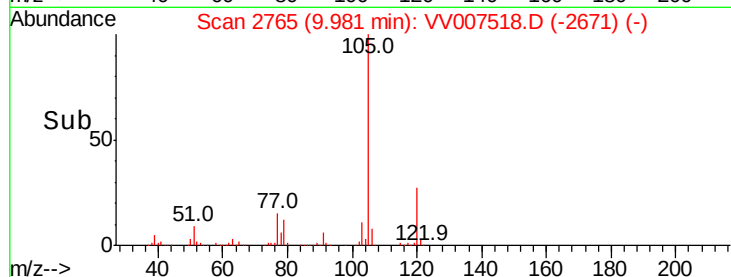
77 15.4 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.154 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

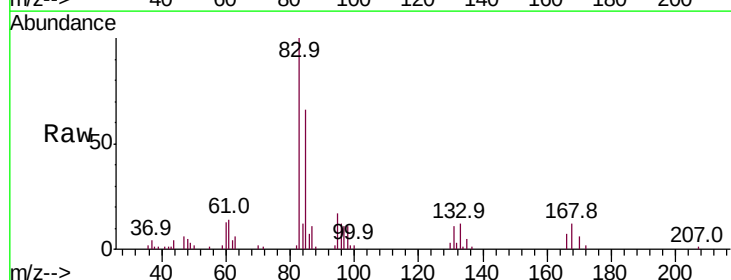
Tgt Ion: 83 Resp: 23542

Ion Ratio Lower Upper

83 100

85 65.6 43.6 81.0

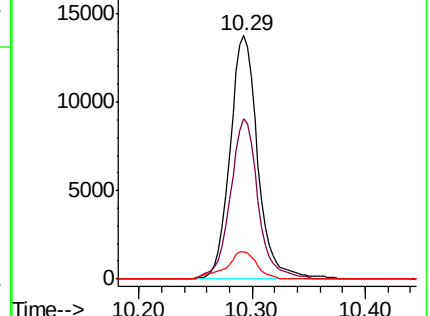
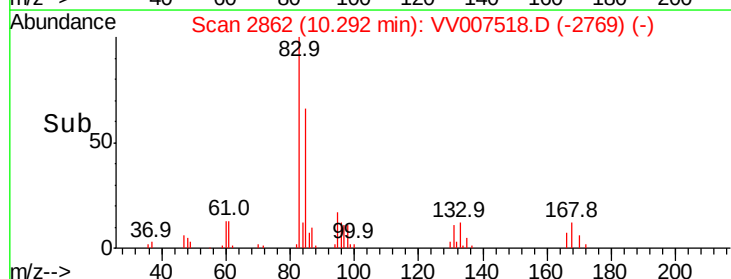
131 11.2 9.2 13.8

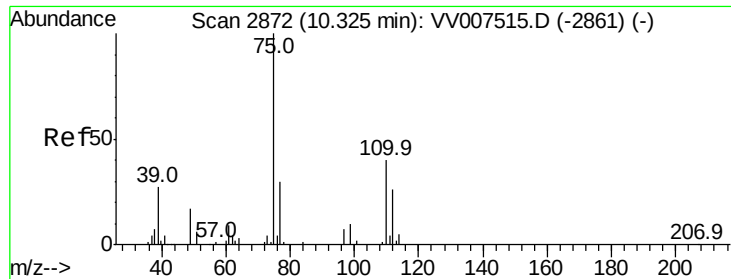


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.941 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

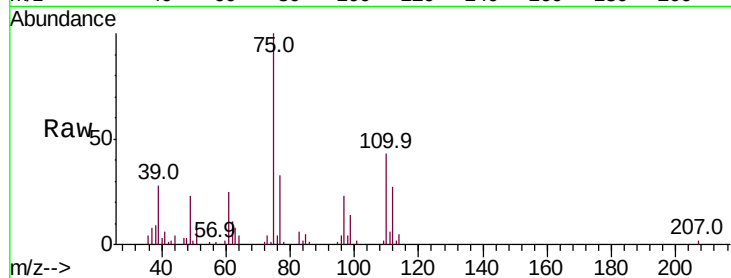
ClientSampleId :

Tot Ion: 75 Resp: 18867

Ion Ratio Lower Upper

75 100

77 33.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV007518.D (-2861) (-)

Ion 77.00 (76.70 to 77.70): VV007518.D (-2861) (-)

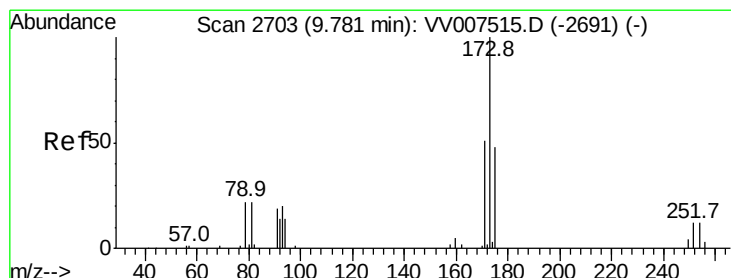
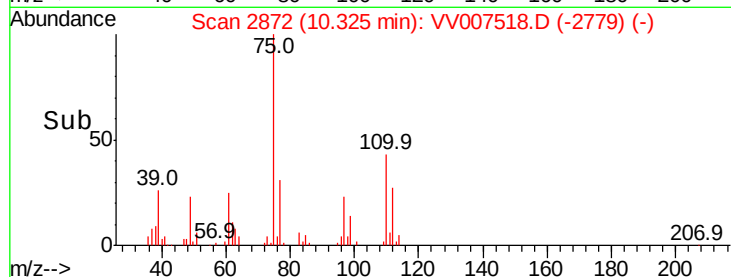
10.32

10000

5000

0

Time--> 10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.856 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

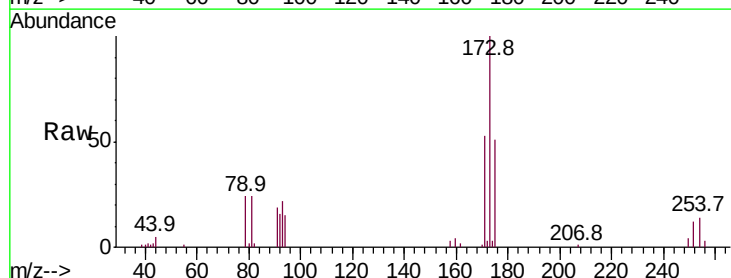
Tgt Ion:173 Resp: 19282

Ion Ratio Lower Upper

173 100

175 49.4 37.9 56.9

254 12.7 8.8 13.2



Abundance Ion 172.90 (172.60 to 173.60): VV007518.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007518.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007518.D (-2691) (-)

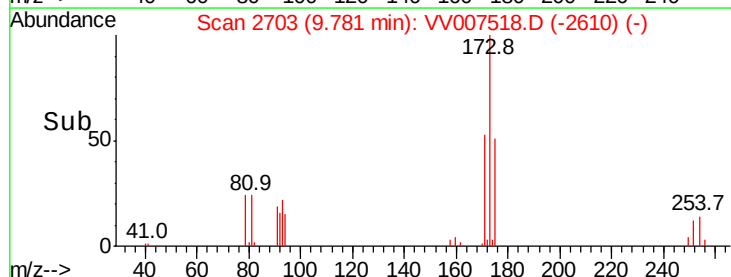
15000

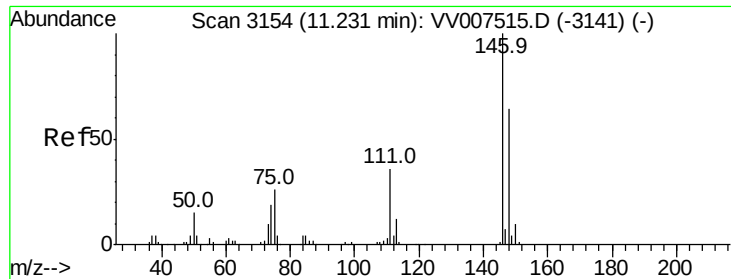
10000

5000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.044 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

ClientSampleId :

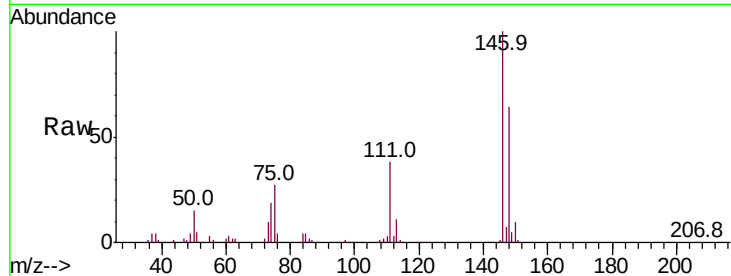
Tot Ion:146 Resp: 85246

Ion Ratio Lower Upper

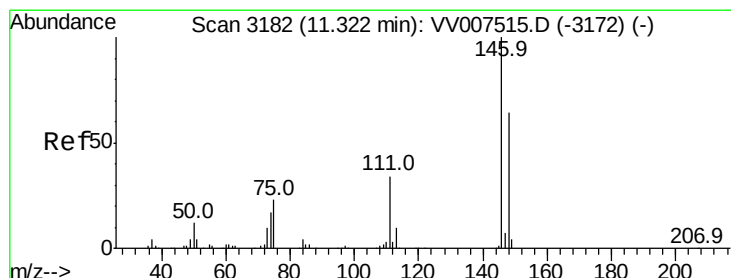
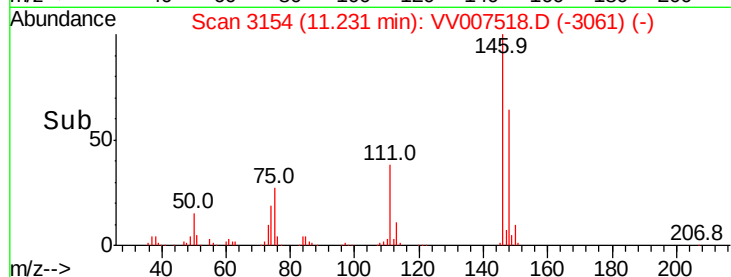
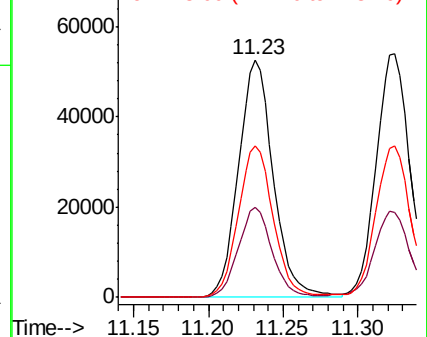
146 100

111 37.9 25.3 47.1

148 63.8 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.164 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

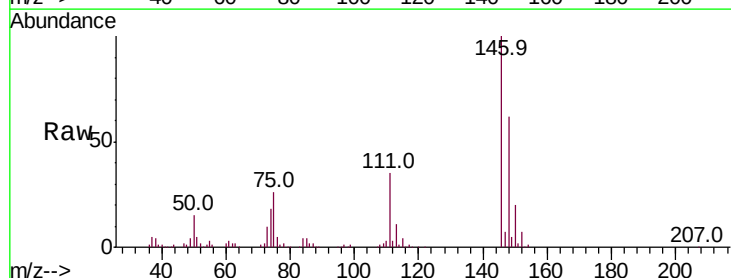
Tgt Ion:146 Resp: 87252

Ion Ratio Lower Upper

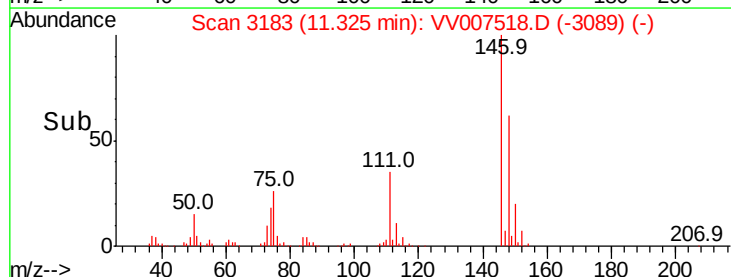
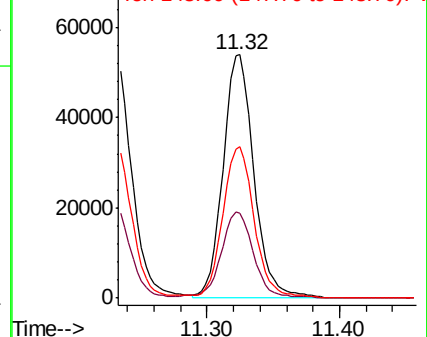
146 100

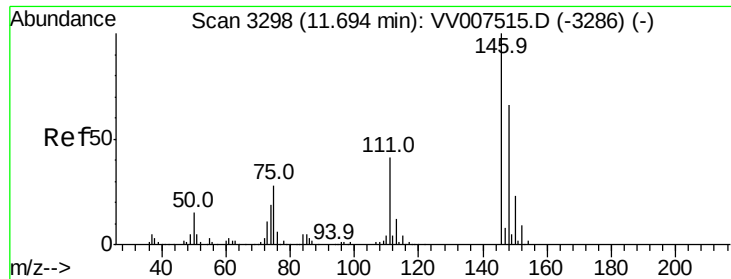
111 35.0 24.5 45.5

148 62.4 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

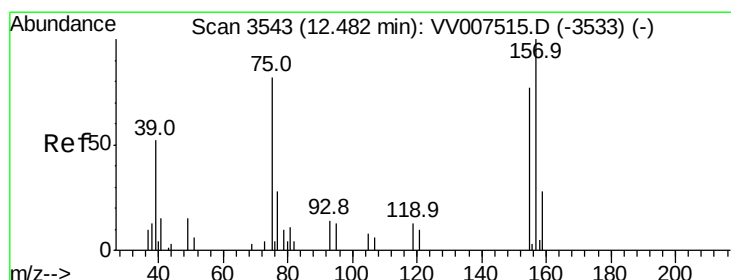
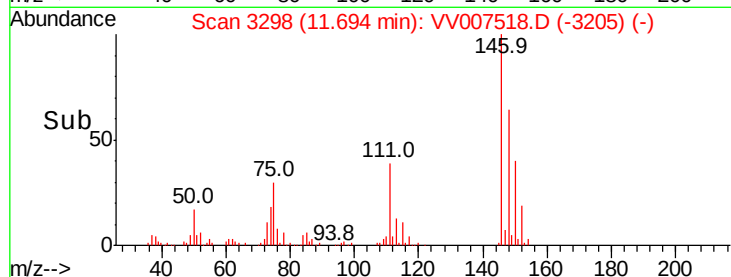
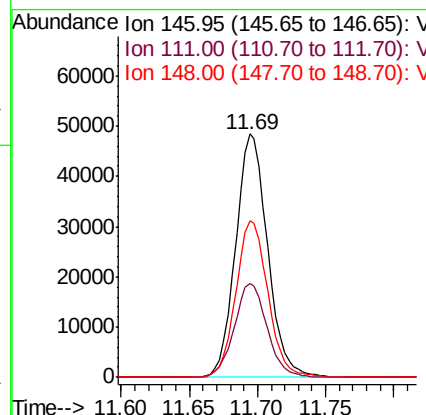
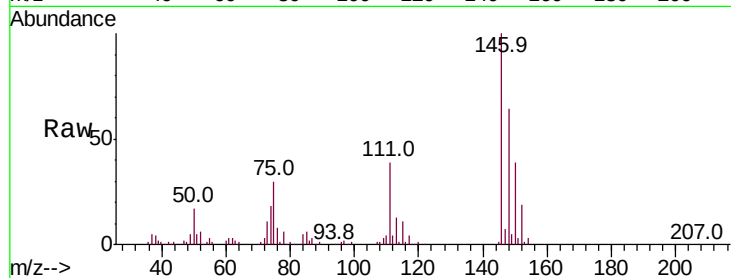




#65
 1,2-Dichlorobenzene
 Concen: 5.010 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

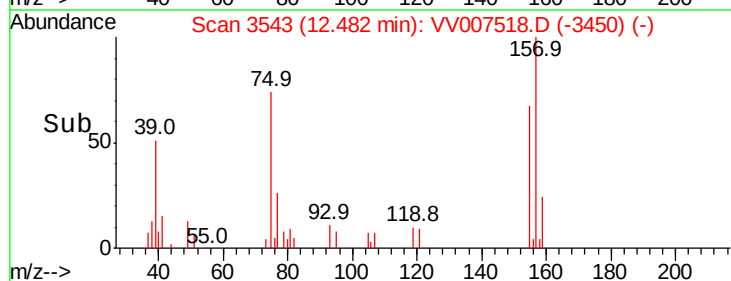
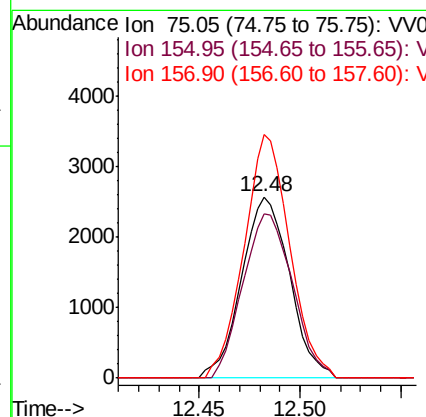
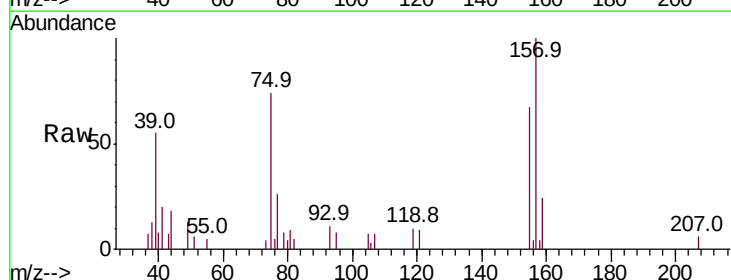
Instrument :
 MSVOA_V
 ClientSampled :

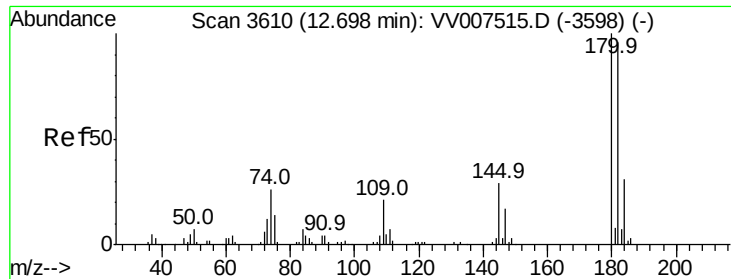
Tot Ion:146 Resp: 78795
 Ion Ratio Lower Upper
 146 100
 111 38.8 32.7 49.1
 148 64.3 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.297 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion: 75 Resp: 4286
 Ion Ratio Lower Upper
 75 100
 155 90.6 74.6 111.8
 157 134.3 97.4 146.2

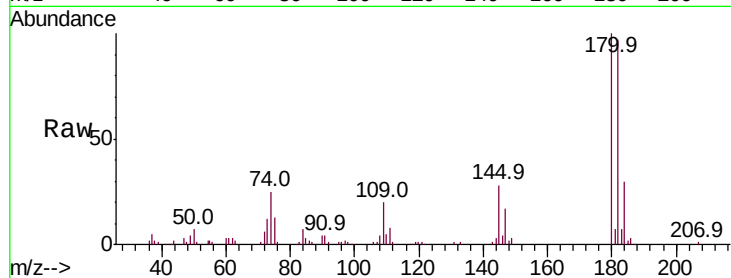




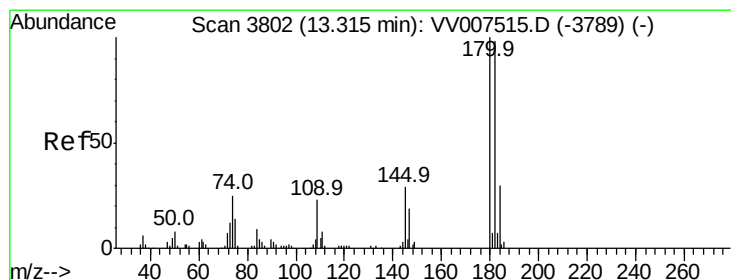
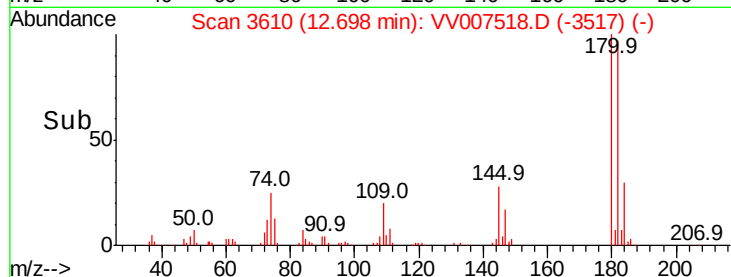
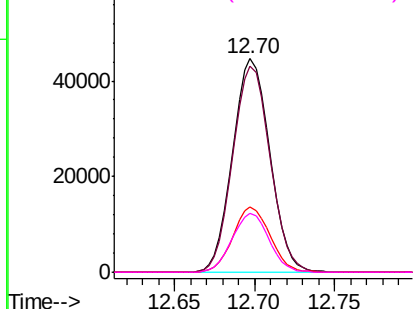
#67
 1,3,5-Trichlorobenzene
 Concen: 5.360 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	70693
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.1	114.1
184	30.3	24.0	36.0
145	27.2	22.6	34.0

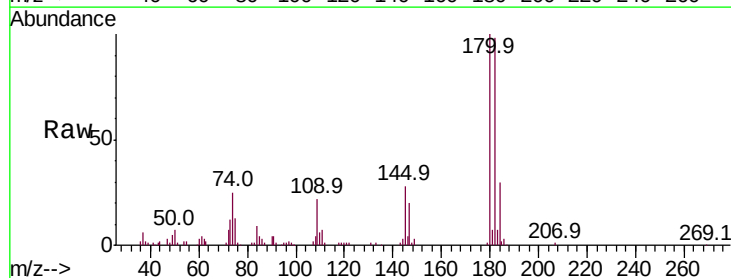


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

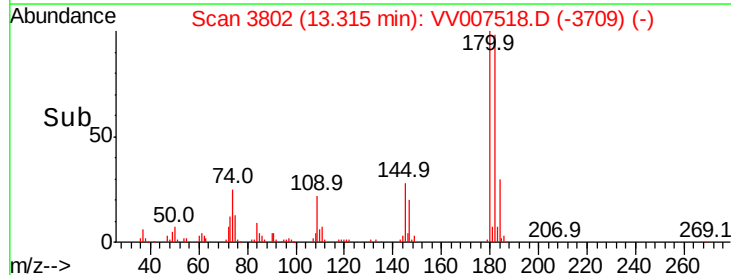
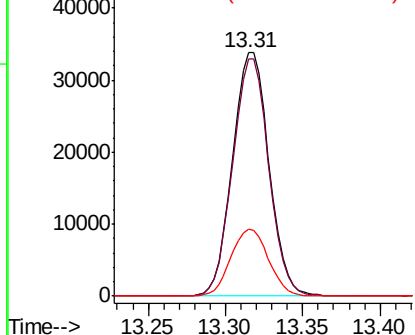


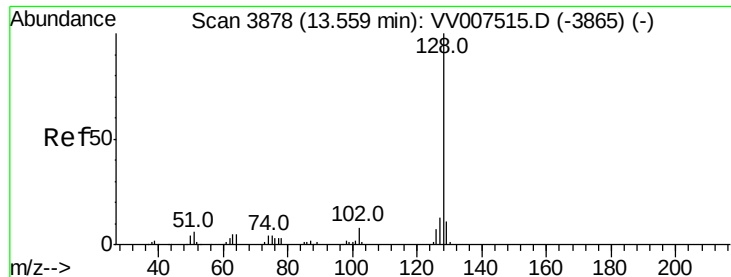
#68
 1,2,4-trichlorobenzene
 Concen: 5.828 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007518.D
 Acq: 13 Sep 2018 19:16

Tgt Ion:	180	Resp:	55358
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.8	116.8
145	28.2	22.5	33.7



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





#69

Naphthalene

Concen: 6.249 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

Instrument :

MSVOA_V

ClientSampled :

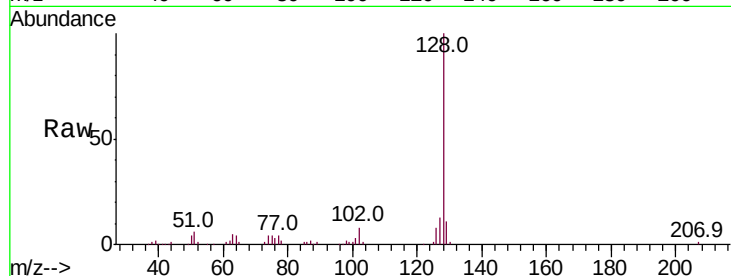
Tot Ion:128 Resp: 71848

Ion Ratio Lower Upper

128 100

129 11.4 8.5 12.7

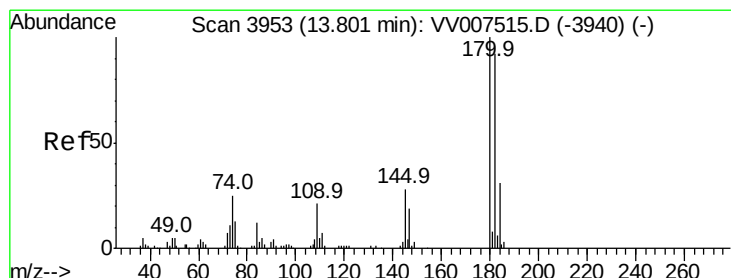
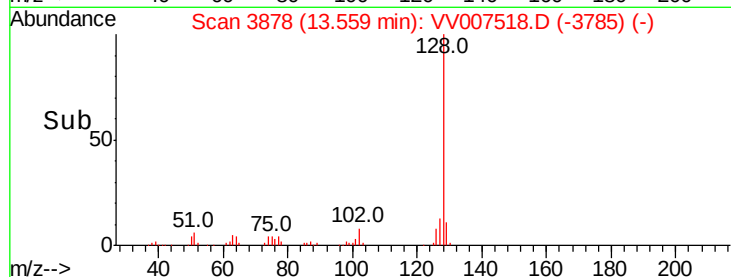
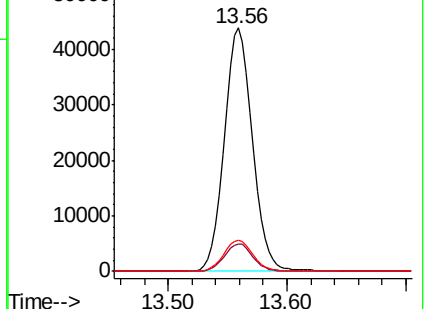
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.677 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007518.D

Acq: 13 Sep 2018 19:16

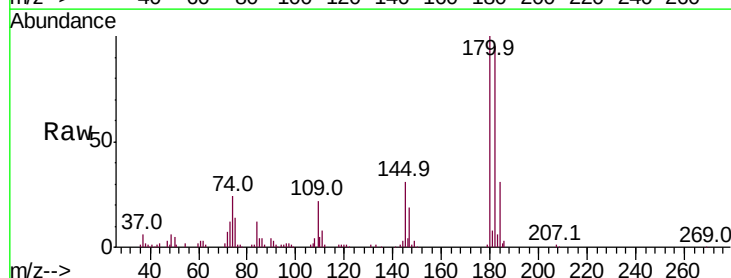
Tgt Ion:180 Resp: 49165

Ion Ratio Lower Upper

180 100

182 95.1 75.5 113.3

145 30.7 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

