

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007514.D
 Acq On : 13 Sep 2018 17:29
 Operator : SY/MD
 Sample : VSTD00166
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 04:09:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	125591	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116477	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6927	1.05	ug/L	0.00
7) Chloroethane-d5	1.59	69	5493	0.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	13661	1.01	ug/L	0.00
20) 2-Butanone-d5	3.97	46	8369	6.19	ug/L	0.00
24) Chloroform-d	4.41	84	13708	1.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	6655	0.97	ug/L	0.00
32) Benzene-d6	5.10	84	26599	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	8025	1.02	ug/L	0.00
41) Toluene-d8	7.36	98	27458	1.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3774	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	4071	4.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	5164	0.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11283	1.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6277	0.886 ug/L	99
3) Chloromethane	1.25	50	5620	0.887 ug/L	95
5) Vinyl chloride	1.33	62	6127	0.846 ug/L	94
6) Bromomethane	1.54	94	4261	0.873 ug/L	92
8) Chloroethane	1.60	64	3724	0.861 ug/L	93
9) Trichlorofluoromethane	1.78	101	11818	0.914 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6517	0.884 ug/L	96
12) 1,1-Dichloroethene	2.14	96	6414	0.988 ug/L	84
13) Acetone	2.21	43	4877	6.161 ug/L	72
14) Carbon disulfide	2.33	76	17033	0.865 ug/L #	95
15) Methyl Acetate	2.47	43	1261	0.573 ug/L #	72
16) Methylene chloride	2.54	84	7264	1.052 ug/L	94
17) Methyl tert-butyl Ether	2.82	73	13907	0.856 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	6551	0.936 ug/L	94
19) 1,1-Dichloroethane	3.23	63	9593	0.860 ug/L	98
21) 2-Butanone	4.05	43	8114	6.265 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	6500	0.960 ug/L	90
23) Bromochloromethane	4.31	128	2828	0.875 ug/L	90
25) Chloroform	4.43	83	10906	0.941 ug/L	97
27) 1,2-Dichloroethane	5.19	62	5943	0.827 ug/L #	88
29) 1,1,1-Trichloroethane	4.66	97	10049	0.849 ug/L	97
30) Cyclohexane	4.73	56	9004	0.861 ug/L	98
31) Carbon tetrachloride	4.88	117	9680	0.888 ug/L	98
33) Benzene	5.15	78	21345	0.851 ug/L	100
34) Trichloroethene	5.96	95	7000	0.919 ug/L	96
35) Methylcyclohexane	6.18	83	10132	0.861 ug/L	93
37) 1,2-Dichloropropane	6.23	63	5487	0.876 ug/L #	88
38) Bromodichloromethane	6.56	83	7591	0.846 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	8447	0.832 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	29756	8.275 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007514.D
 Acq On : 13 Sep 2018 17:29
 Operator : SY/MD
 Sample : VSTD00166
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

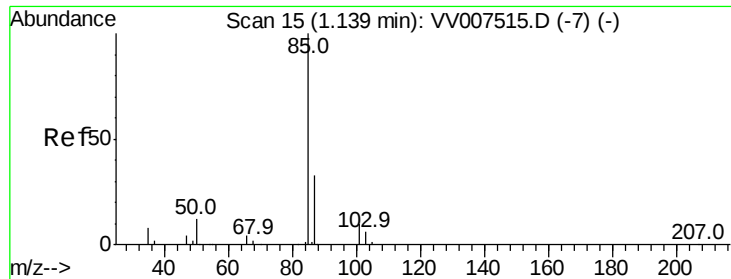
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 04:09:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	24979	0.893	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	6858	0.807	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	3797	0.786	ug/L	96
47) Tetrachloroethene	8.02	164	5695	0.868	ug/L	97
48) 2-Hexanone	8.20	43	23732	9.090	ug/L #	90
49) Dibromochloromethane	8.30	129	5618	0.844	ug/L	93
50) 1,2-Dibromoethane	8.40	107	3689	0.785	ug/L #	83
51) Chlorobenzene	8.93	112	16454	0.861	ug/L	96
52) Ethylbenzene	9.06	91	27291	0.853	ug/L	99
53) m,p-xylene	9.19	106	10327	0.826	ug/L	98
54) o-xylene	9.59	106	10171	0.837	ug/L	92
55) Styrene	9.61	104	16056	0.805	ug/L	96
56) Isopropylbenzene	9.98	105	28355	0.866	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	3716	0.723	ug/L	92
59) 1,2,3-Trichloropropane	10.33	75	3208	0.789	ug/L	90
61) Bromoform	9.78	173	3209	0.767	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	13752	0.875	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	14001	0.895	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	12924	0.876	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.49	75	652	0.623	ug/L	82
67) 1,3,5-Trichlorobenzene	12.70	180	10472	0.866	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	6364	0.697	ug/L	94
69) Naphthalene	13.57	128	5772	0.422	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	5620	0.659	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.886 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

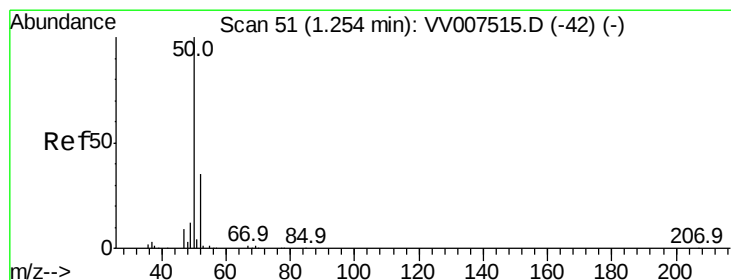
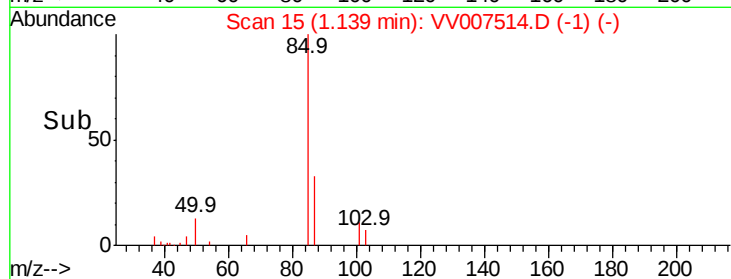
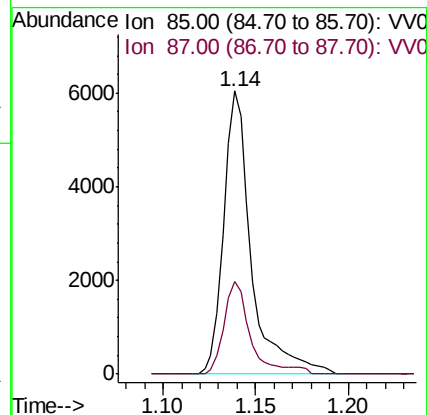
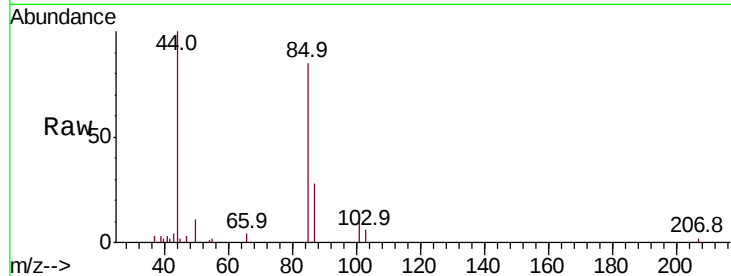
ClientSampleId :

Tot Ion: 85 Resp: 6277

Ion Ratio Lower Upper

85 100

87 31.6 25.8 38.6



#3

Chloromethane

Concen: 0.887 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007514.D

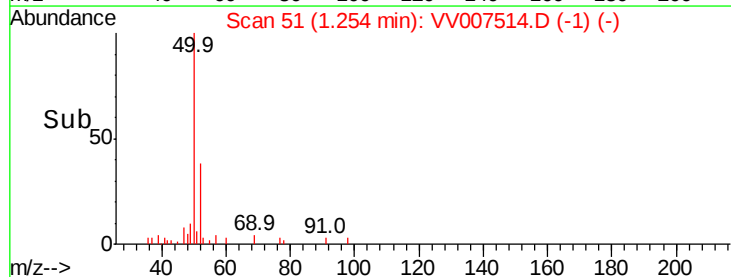
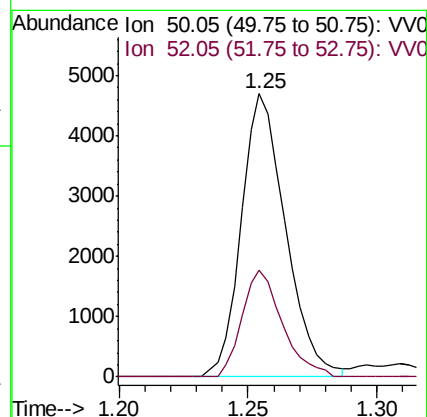
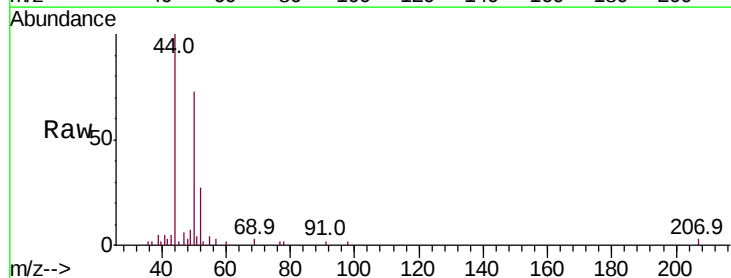
Acq: 13 Sep 2018 17:29

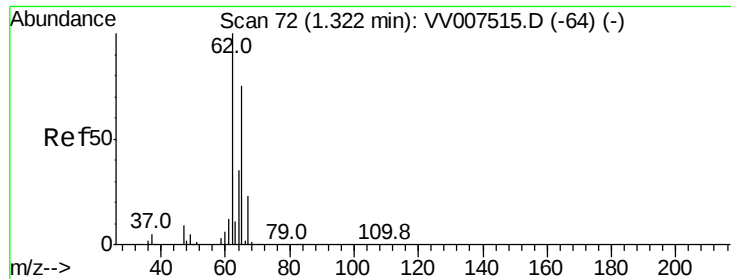
Tgt Ion: 50 Resp: 5620

Ion Ratio Lower Upper

50 100

52 37.7 24.3 45.1





#5

Vinyl chloride

Concen: 0.846 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

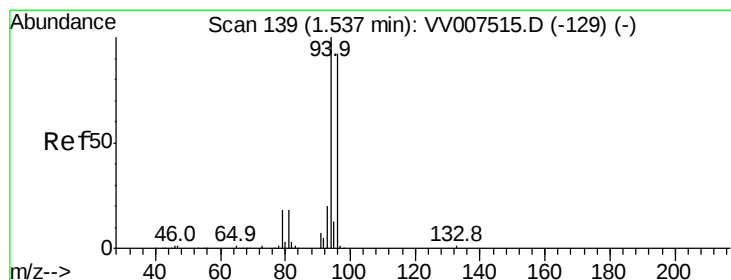
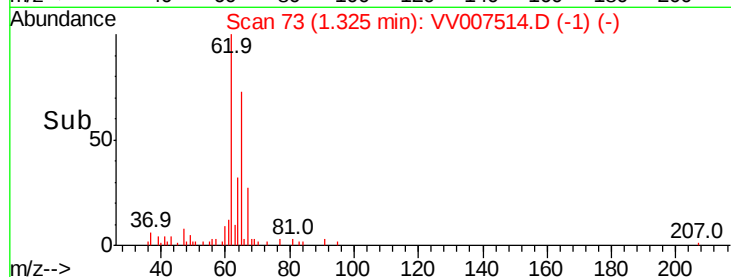
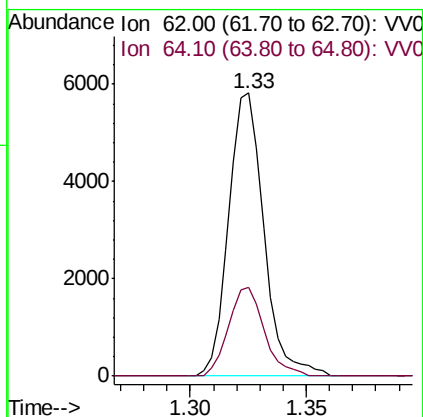
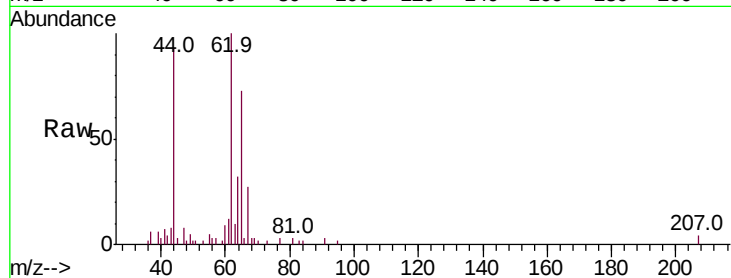
ClientSampleId :

Tot Ion: 62 Resp: 6127

Ion Ratio Lower Upper

62 100

64 31.6 24.4 45.2



#6

Bromomethane

Concen: 0.873 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007514.D

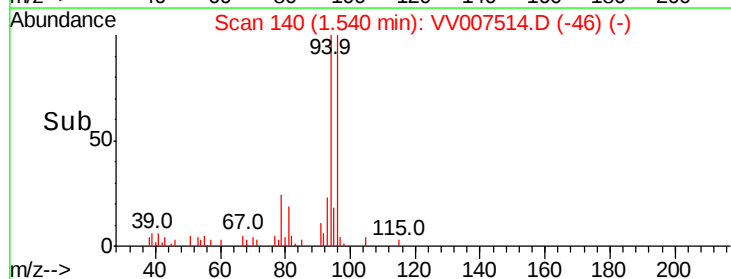
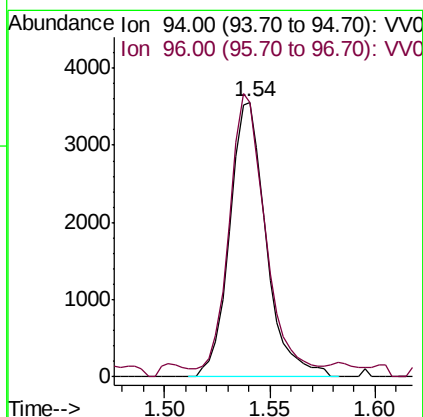
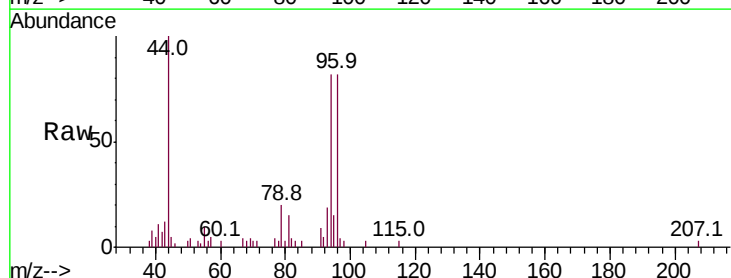
Acq: 13 Sep 2018 17:29

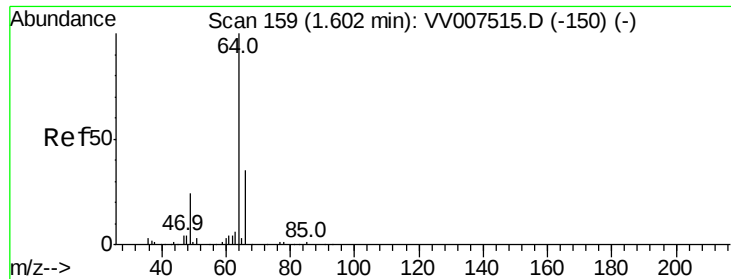
Tgt Ion: 94 Resp: 4261

Ion Ratio Lower Upper

94 100

96 99.8 64.5 119.7





#8

Chloroethane

Concen: 0.861 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

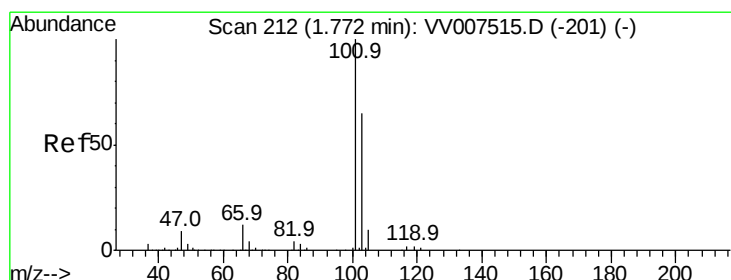
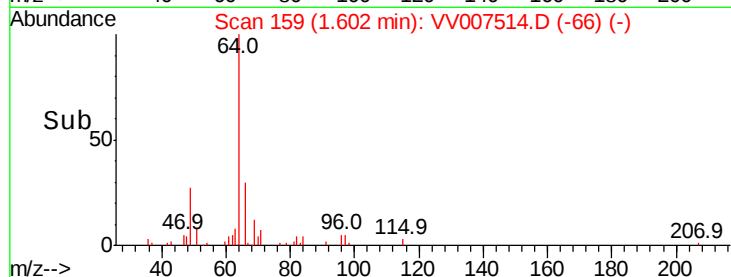
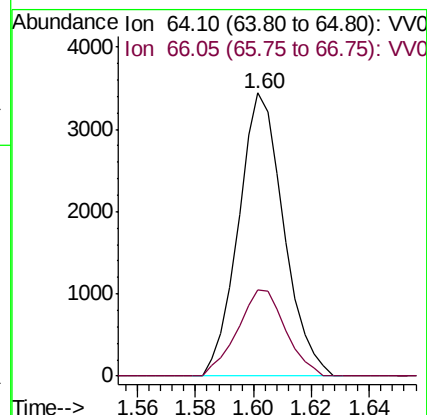
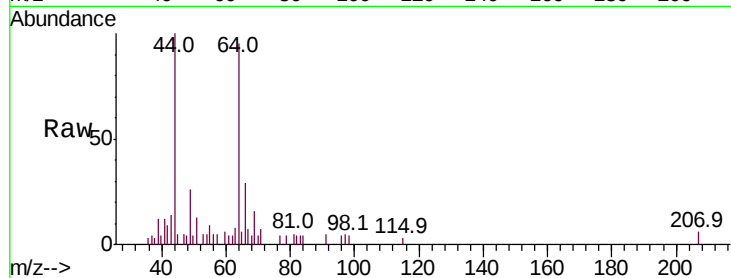
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 3724

Ion Ratio Lower Upper

64 100

66 30.5 24.3 45.1



#9

Trichlorofluoromethane

Concen: 0.914 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007514.D

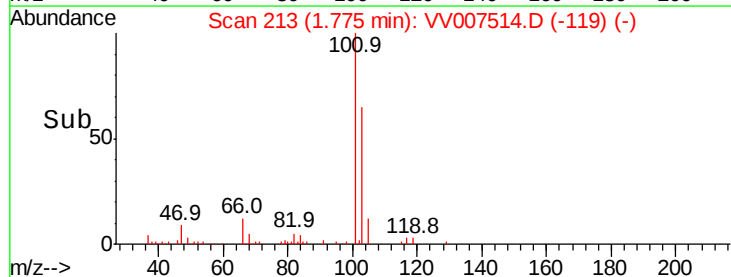
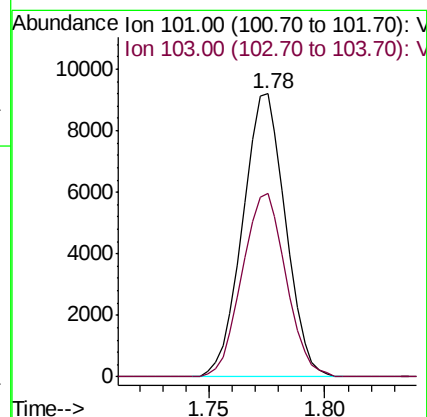
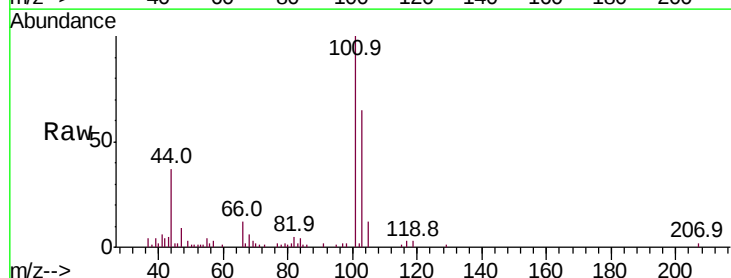
Acq: 13 Sep 2018 17:29

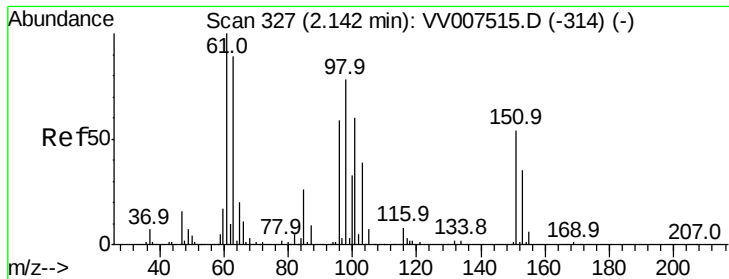
Tgt Ion: 101 Resp: 11818

Ion Ratio Lower Upper

101 100

103 66.3 51.8 77.8





#10

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

Concen: 0.884 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampled :

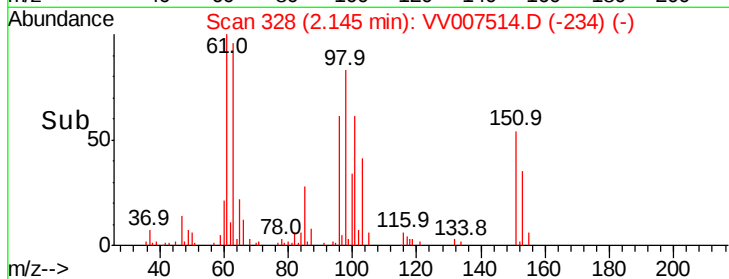
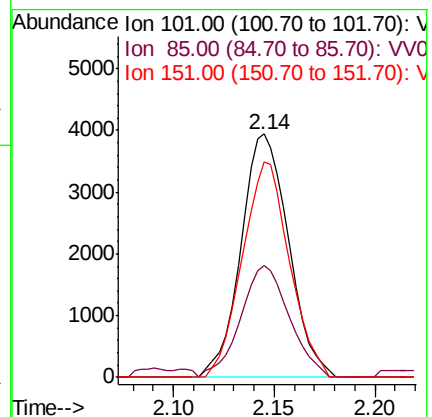
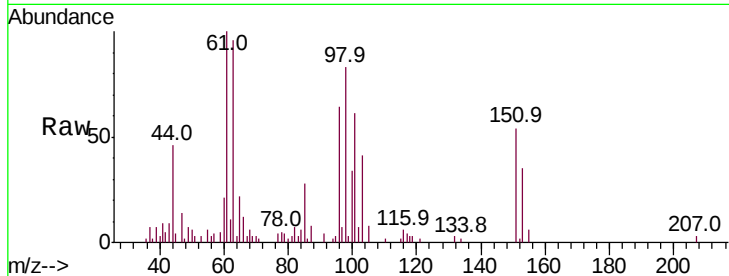
Tot Ion:101 Resp: 6517

Ion Ratio Lower Upper

101 100

85 46.9 34.8 52.2

151 87.6 72.6 109.0



#12

1,1-Dichloroethene

Concen: 0.988 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

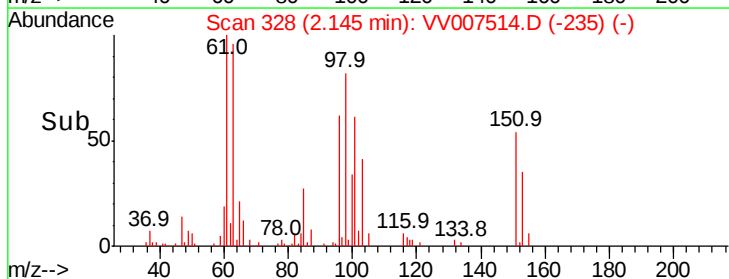
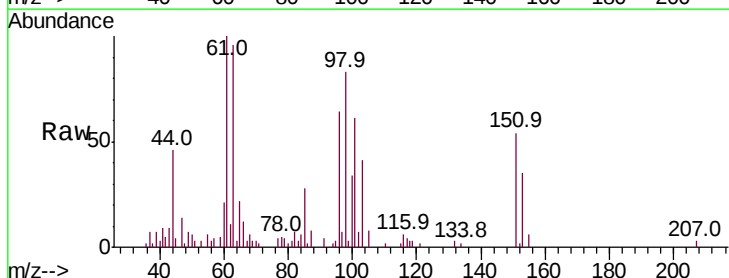
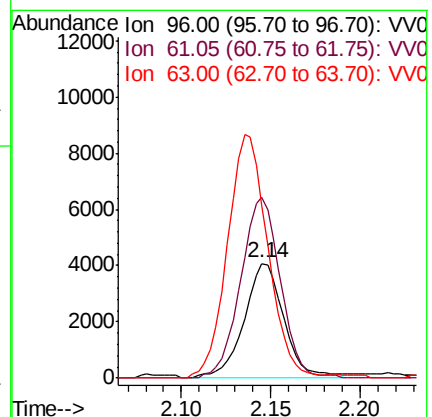
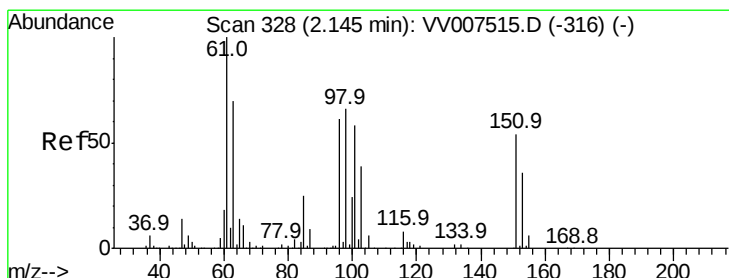
Tgt Ion: 96 Resp: 6414

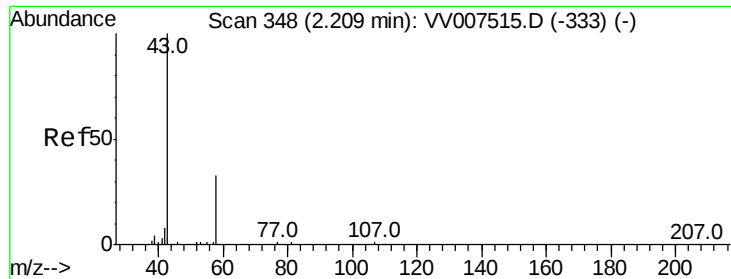
Ion Ratio Lower Upper

96 100

61 157.3 114.8 213.2

63 151.3 81.8 151.8





#13

Acetone

Concen: 6.161 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

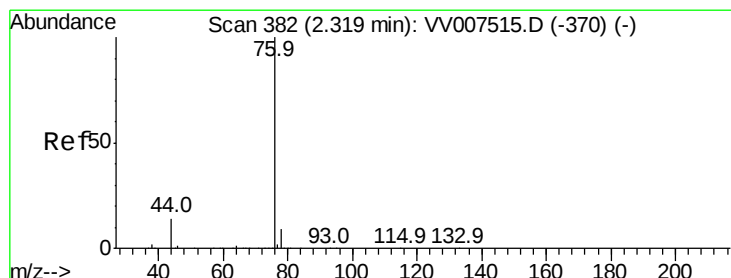
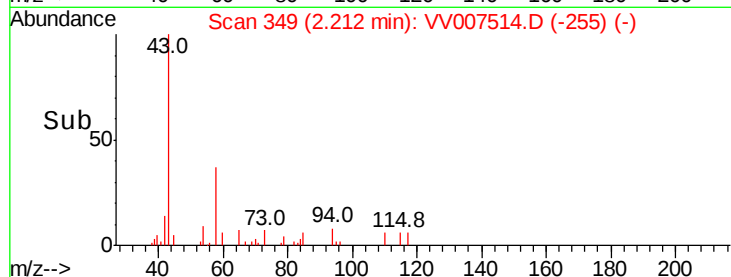
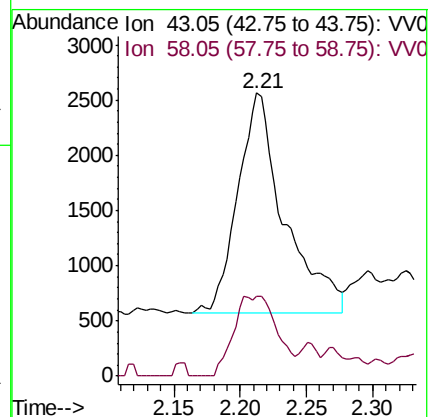
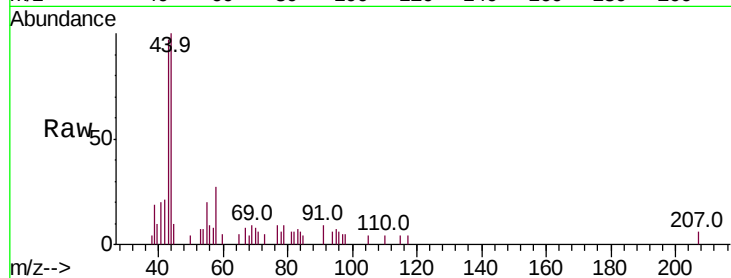
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4877

Ion Ratio Lower Upper

43 100

58 16.0 0.0 63.4



#14

Carbon disulfide

Concen: 0.865 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.01 min

Lab File: VV007514.D

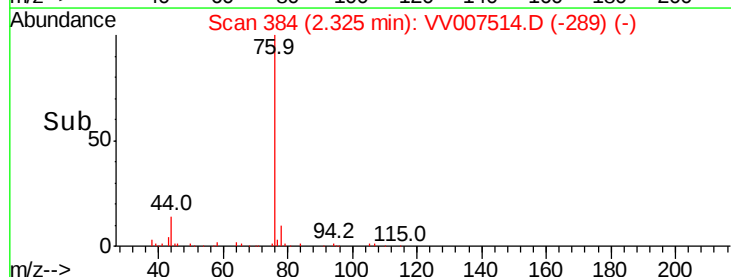
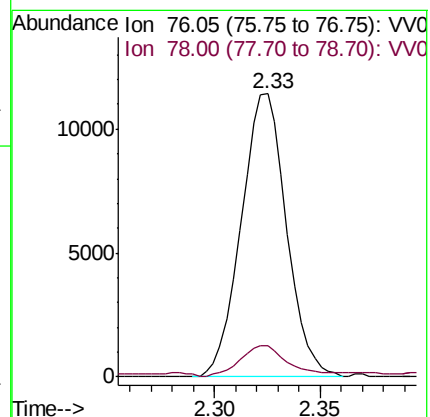
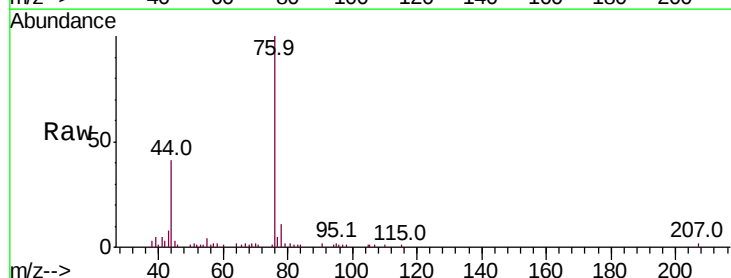
Acq: 13 Sep 2018 17:29

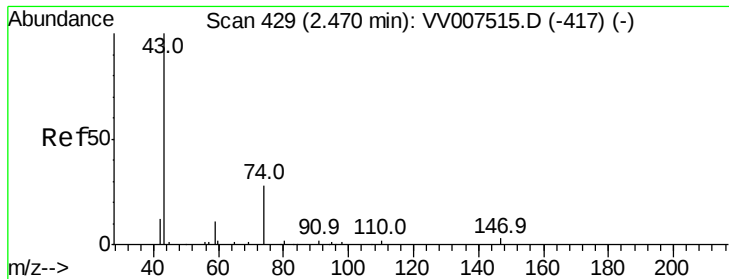
Tgt Ion: 76 Resp: 17033

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.0#





#15

Methyl Acetate

Concen: 0.573 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

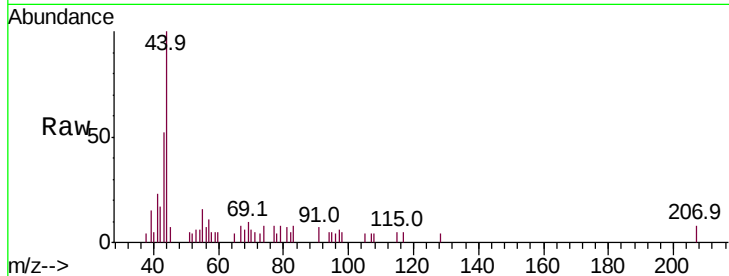
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1261

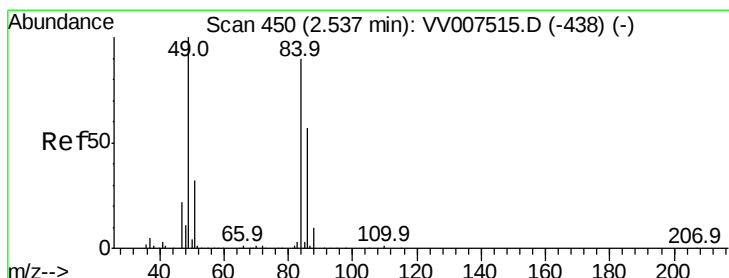
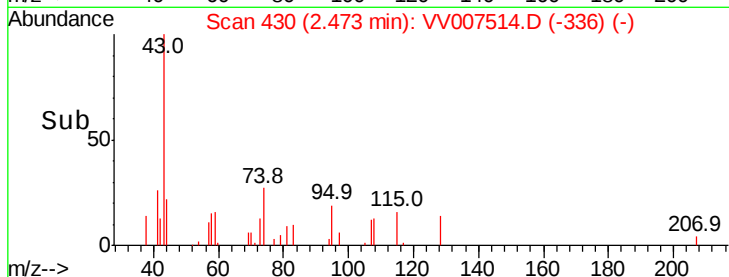
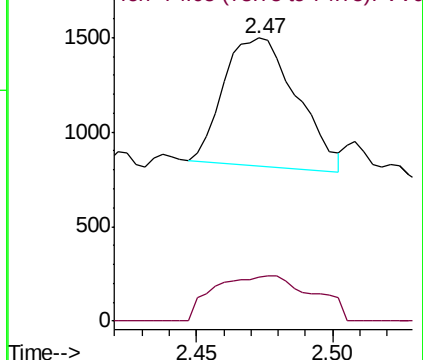
Ion Ratio Lower Upper

43 100

74 47.5 25.4 38.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.052 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

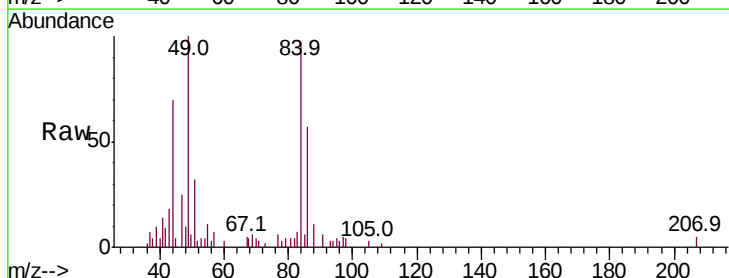
Tgt Ion: 84 Resp: 7264

Ion Ratio Lower Upper

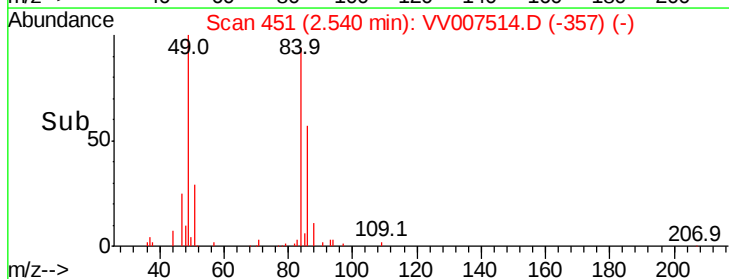
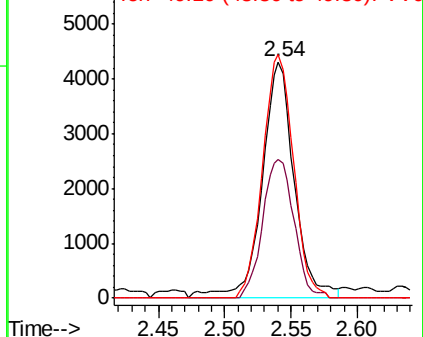
84 100

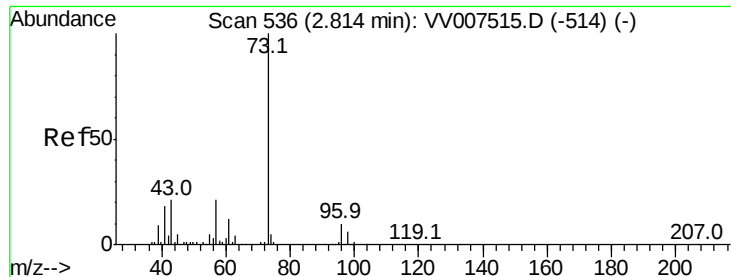
86 58.7 43.7 81.1

49 103.2 76.8 142.6



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

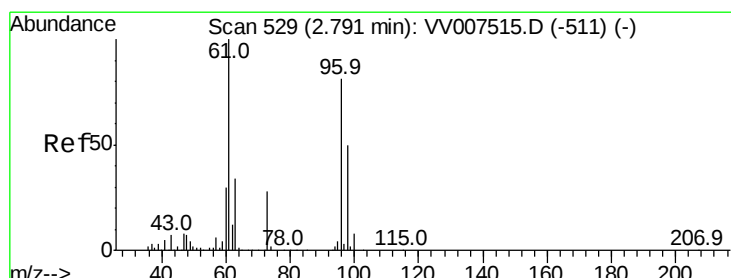
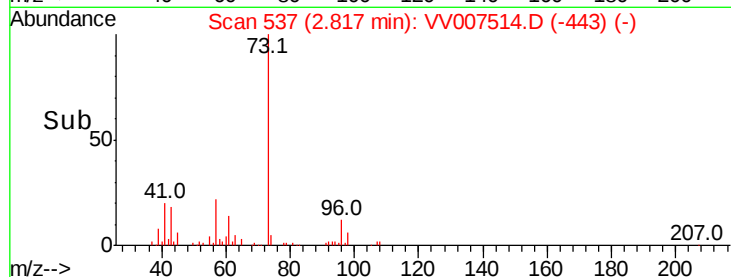
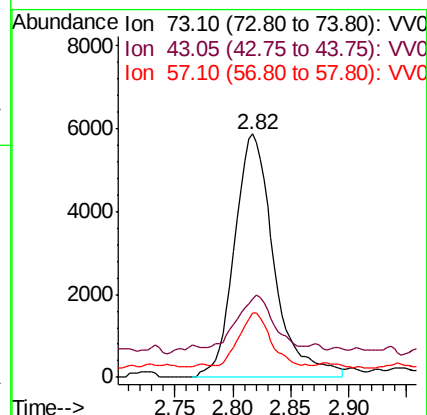
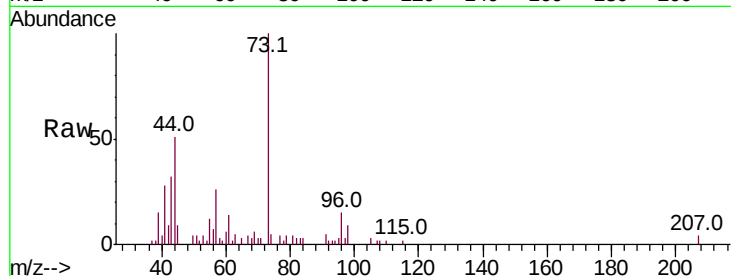




#17
Methvl tert-butvl Ether
Concen: 0.856 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

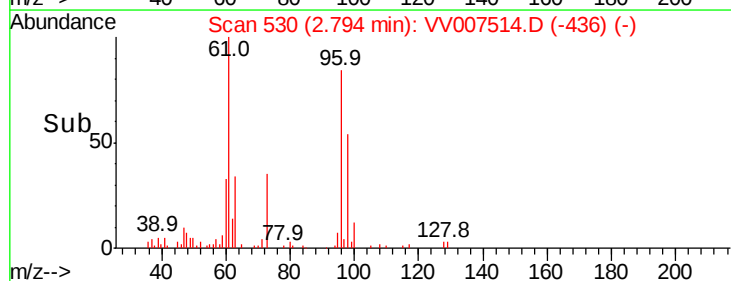
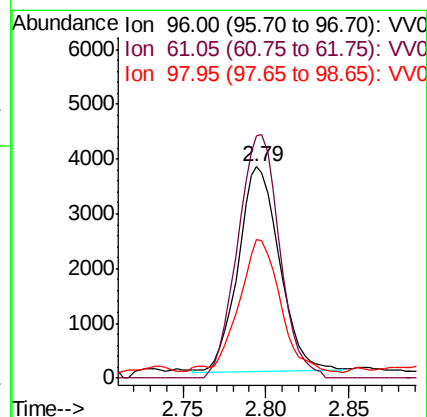
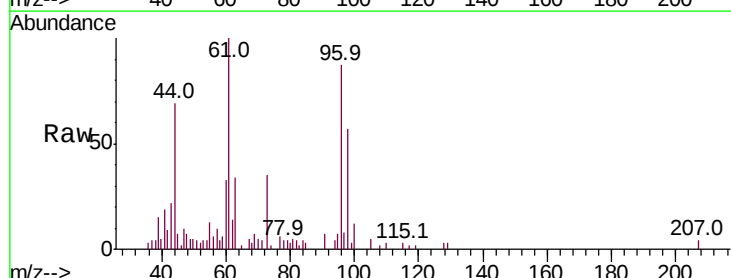
Instrument :
MSVOA_V
ClientSampleId :

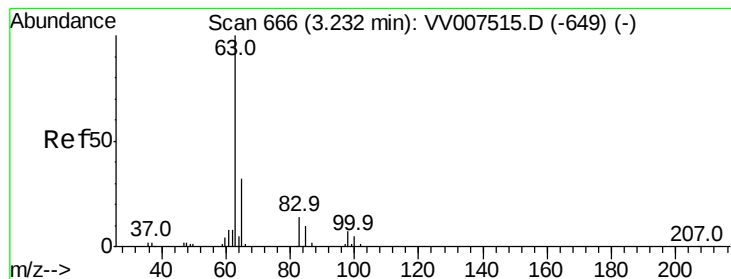
Tot Ion: 73 Resp: 13907
Ion Ratio Lower Upper
73 100
43 20.3 15.8 23.6
57 18.3 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 0.936 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

Tgt Ion: 96 Resp: 6551
Ion Ratio Lower Upper
96 100
61 114.6 86.8 161.2
98 65.7 44.4 82.4





#19

1,1-Dichloroethane

Concen: 0.860 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :
MSVOA_V
ClientSampleId :

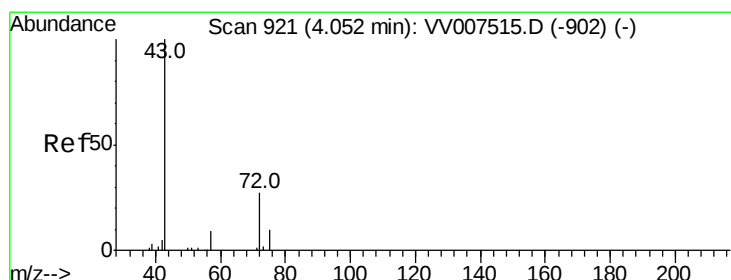
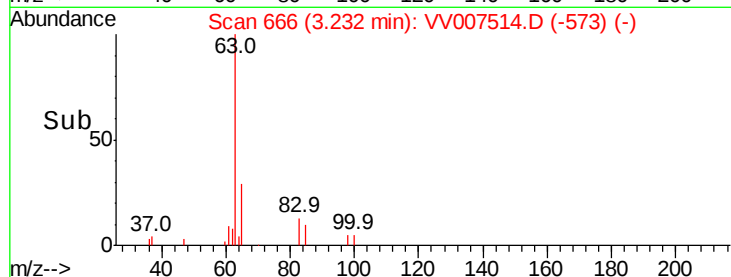
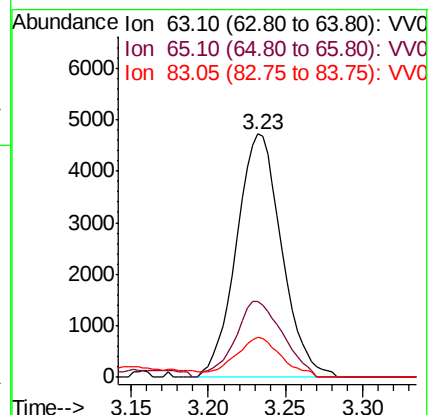
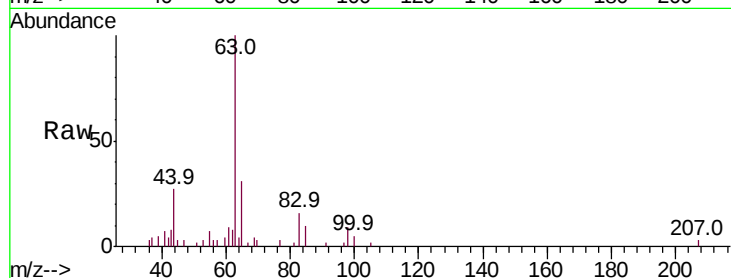
Tot Ion: 63 Resp: 9593

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.9

83 16.4 10.4 19.2



#21

2-Butanone

Concen: 6.265 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VV007514.D

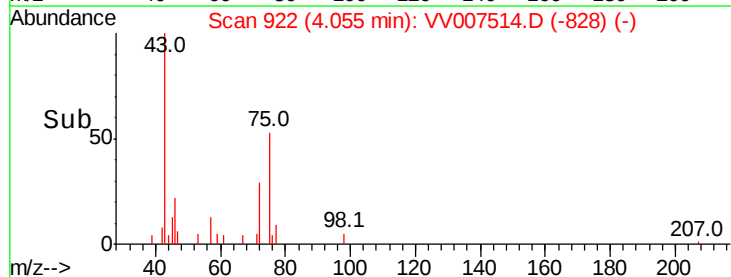
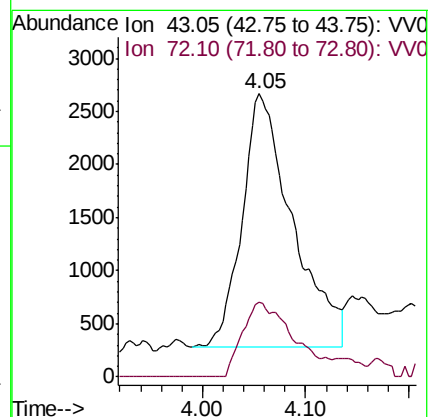
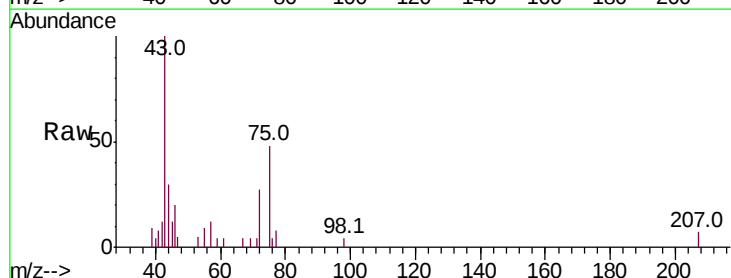
Acq: 13 Sep 2018 17:29

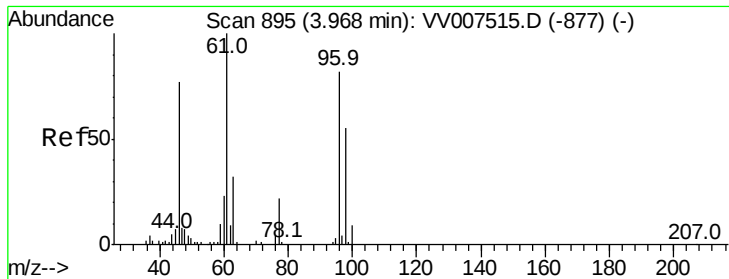
Tgt Ion: 43 Resp: 8114

Ion Ratio Lower Upper

43 100

72 30.3 14.2 42.6



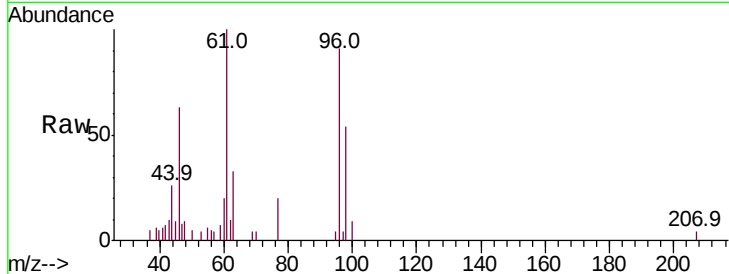


#22

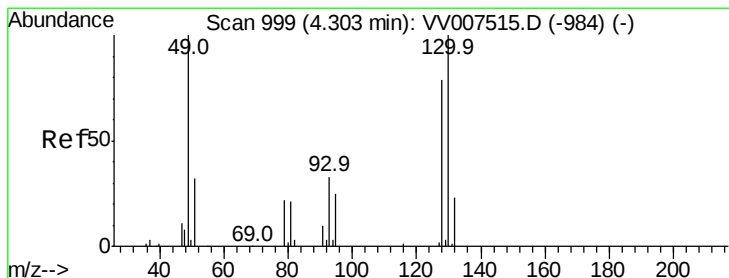
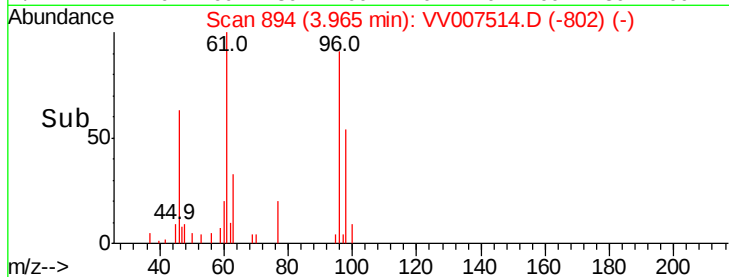
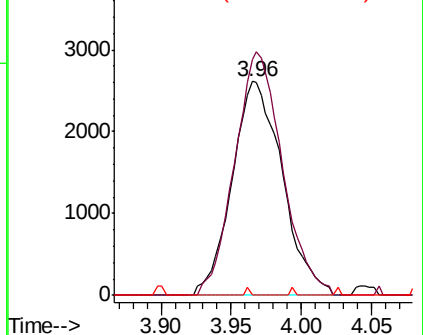
cis-1,2-Dichloroethene
 Concen: 0.960 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 6500
 Ion Ratio Lower Upper
 96 100
 61 110.2 85.3 158.5
 68 0.0 0.0 0.0



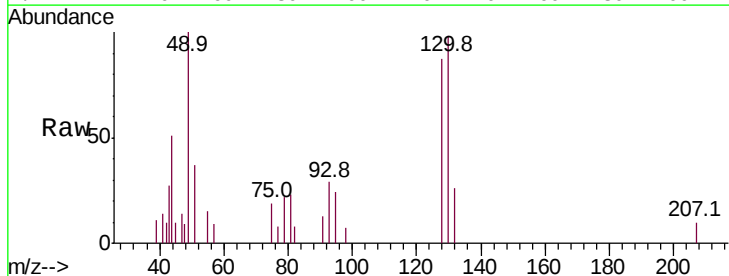
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



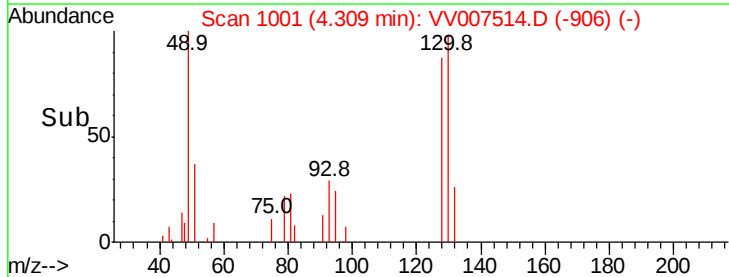
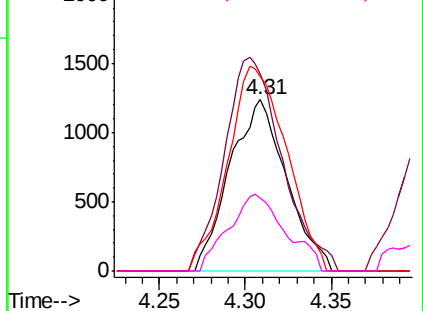
#23

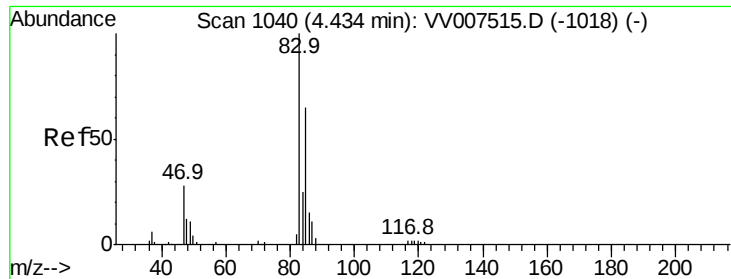
Bromochloromethane
 Concen: 0.875 ug/L
 RT: 4.31 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Tgt Ion: 128 Resp: 2828
 Ion Ratio Lower Upper
 128 100
 49 115.5 89.0 165.2
 130 113.4 88.8 165.0
 51 42.8 32.2 48.2



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

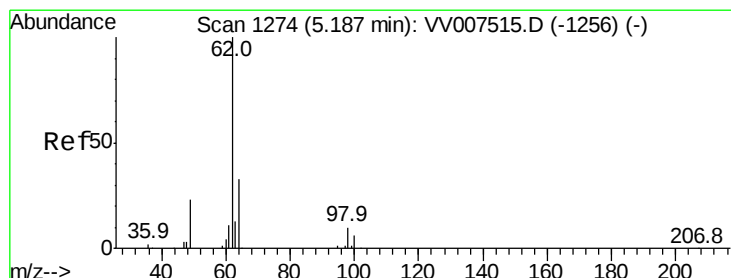
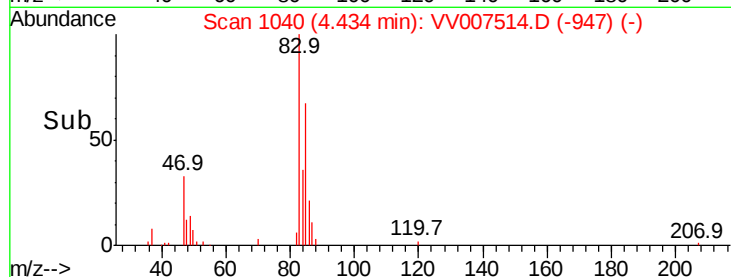
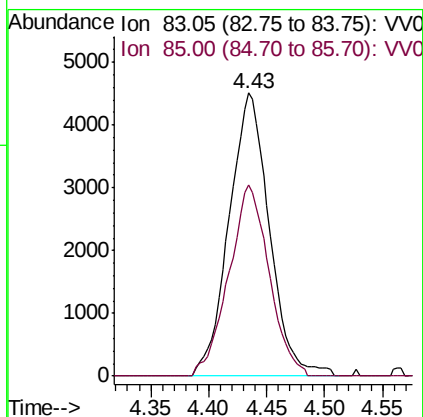
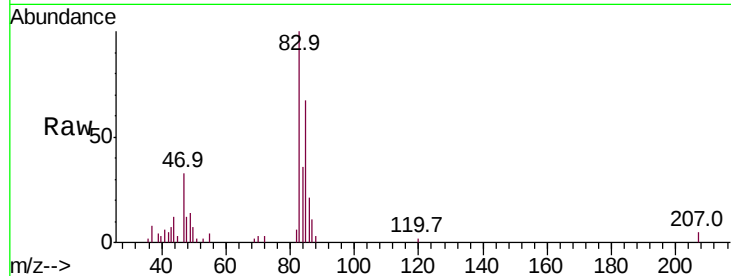




#25
Chloroform
Concen: 0.941 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

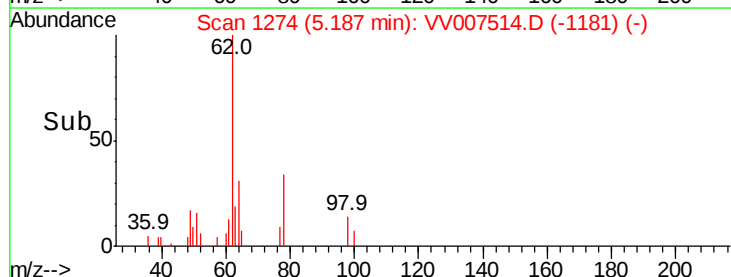
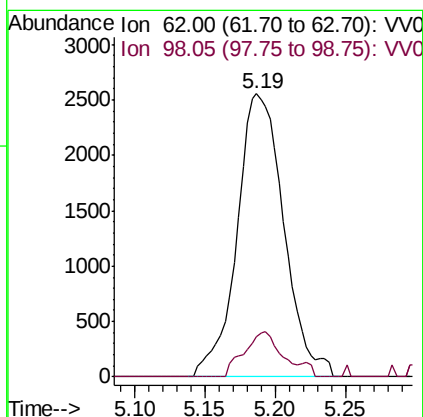
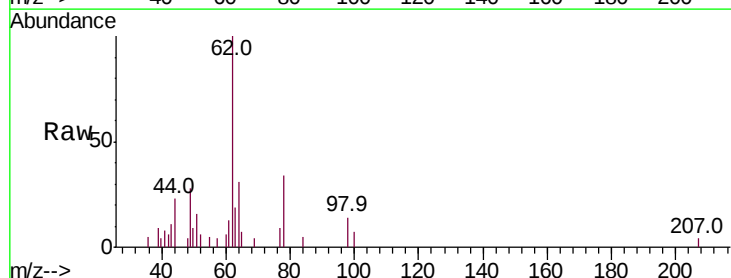
Instrument :
MSVOA_V
ClientSampleId :

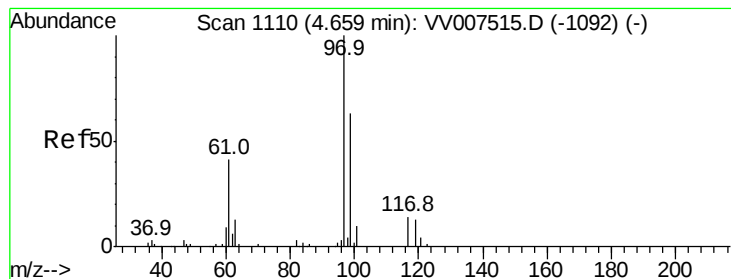
Tot Ion: 83 Resp: 10906
Ion Ratio Lower Upper
83 100
85 67.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.827 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

Tgt Ion: 62 Resp: 5943
Ion Ratio Lower Upper
62 100
98 14.0 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 0.849 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampled :

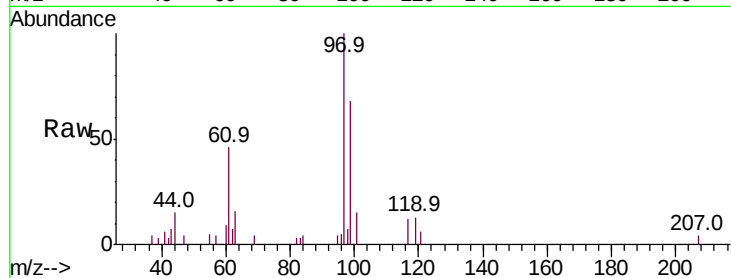
Tot Ion: 97 Resp: 10049

Ion Ratio Lower Upper

97 100

99 65.9 50.7 76.1

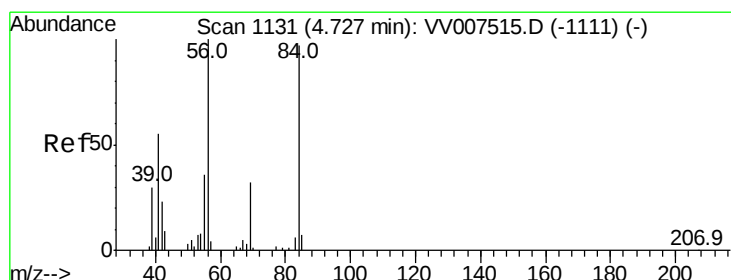
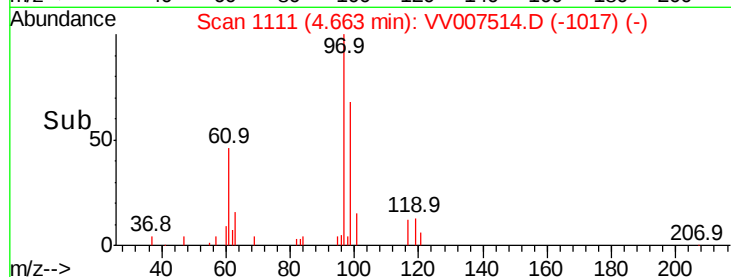
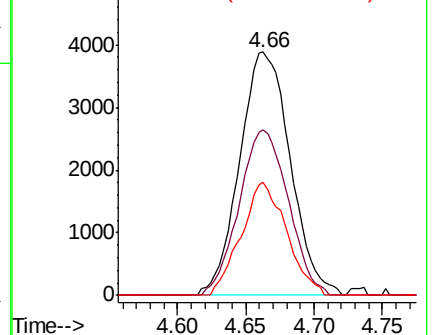
61 41.4 32.5 48.7



Abundance Ion 96.95 (96.65 to 97.65): VV007515.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV007515.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV007515.D (-1092) (-)



#30

Cyclohexane

Concen: 0.861 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

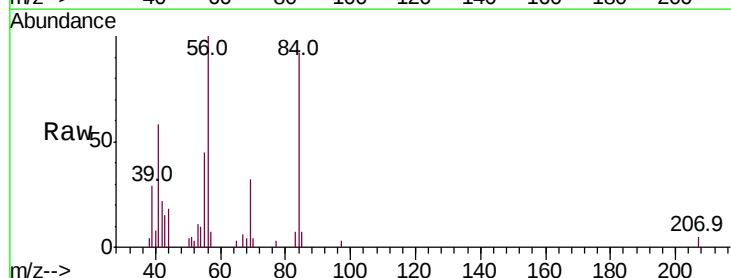
Tgt Ion: 56 Resp: 9004

Ion Ratio Lower Upper

56 100

69 33.9 26.1 39.1

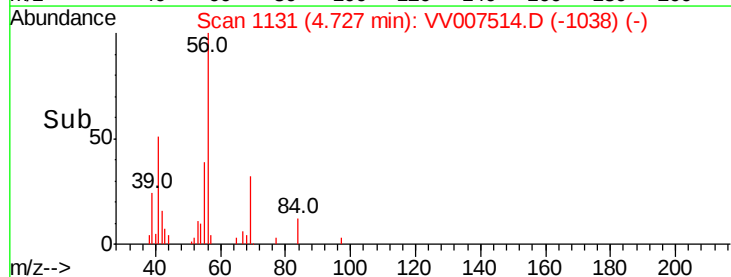
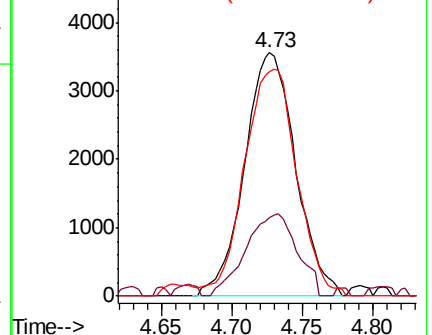
84 95.9 78.0 117.0

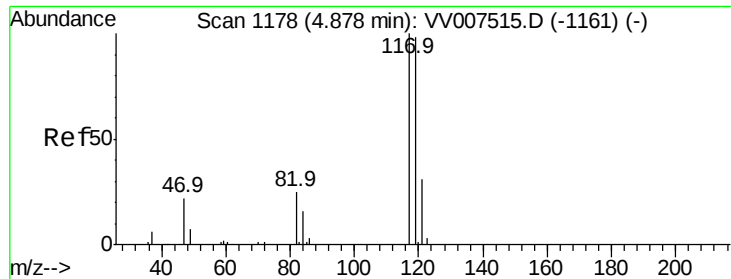


Abundance Ion 56.10 (55.80 to 56.80): VV007515.D (-1111) (-)

Ion 69.15 (68.85 to 69.85): VV007515.D (-1111) (-)

Ion 84.15 (83.85 to 84.85): VV007515.D (-1111) (-)

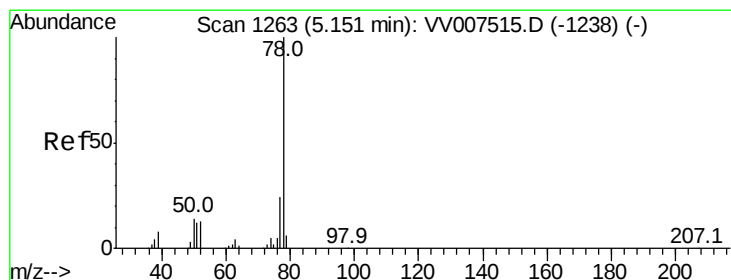
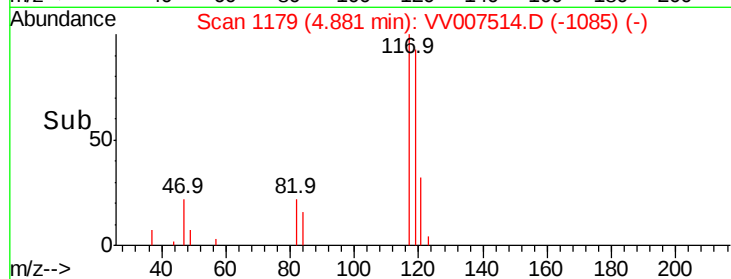
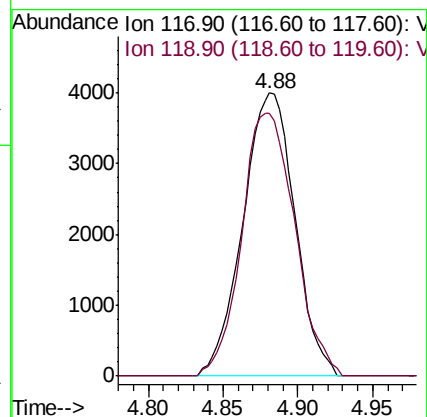
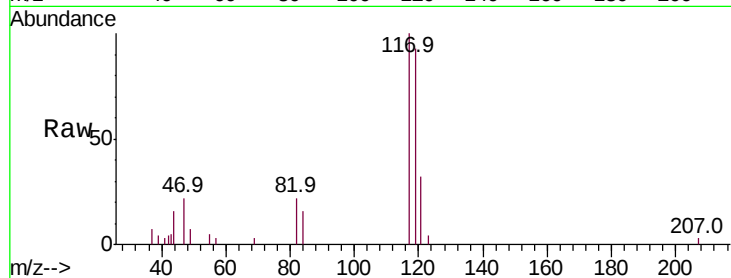




#31
Carbon tetrachloride
Concen: 0.888 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

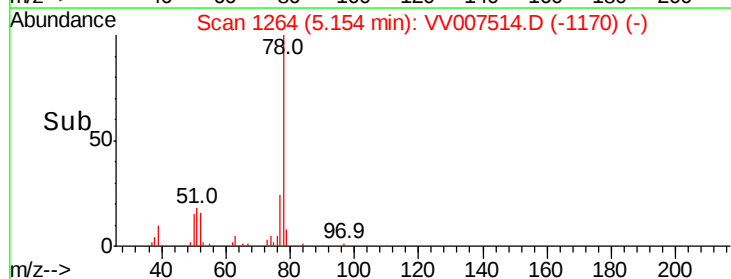
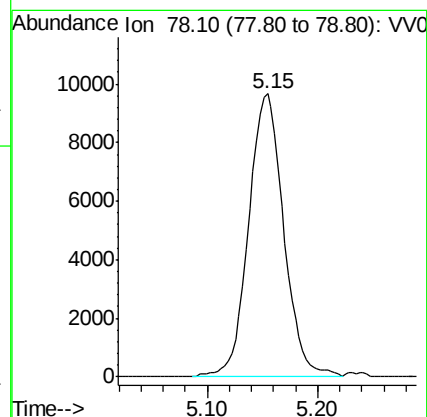
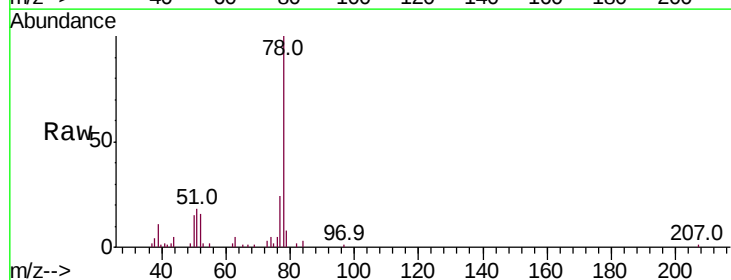
Instrument :
MSVOA_V
ClientSampleId :

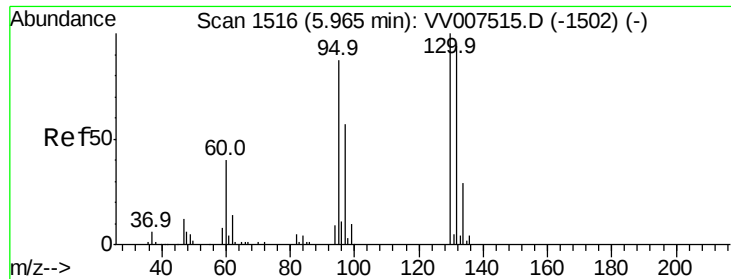
Tot Ion:117 Resp: 9680
Ion Ratio Lower Upper
117 100
119 94.6 77.5 116.3



#33
Benzene
Concen: 0.851 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

Tgt Ion: 78 Resp: 21345

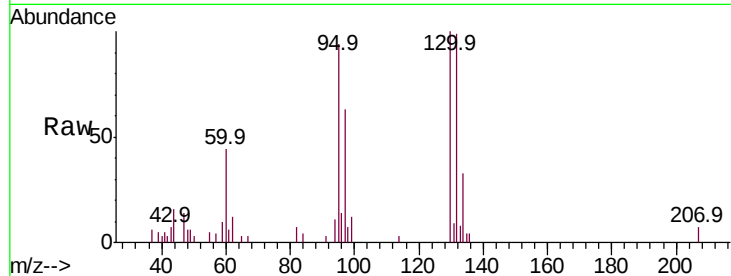




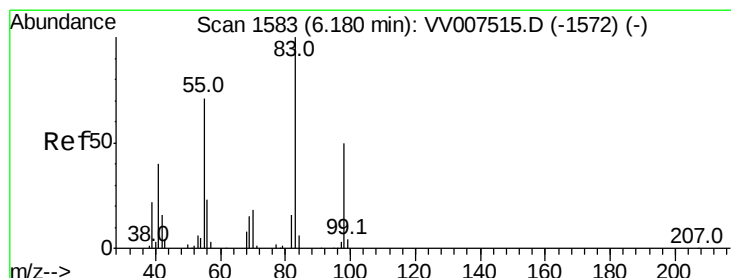
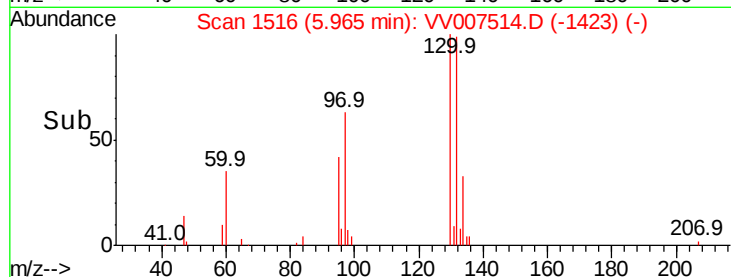
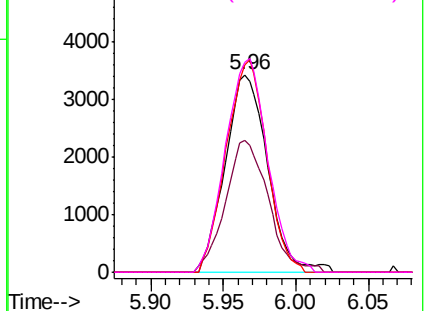
#34
 Trichloroethene
 Concen: 0.919 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 7000
 Ion Ratio Lower Upper
 95 100
 97 66.9 45.5 84.5
 132 105.2 74.9 139.1
 130 106.4 80.0 148.6

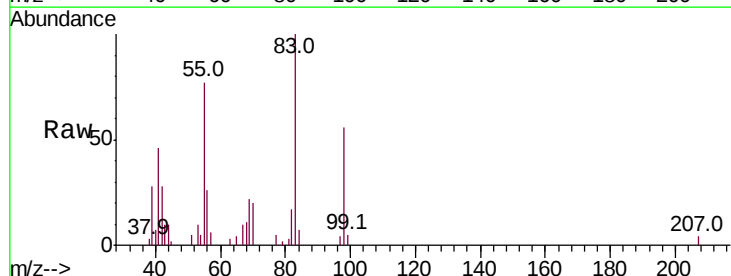


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

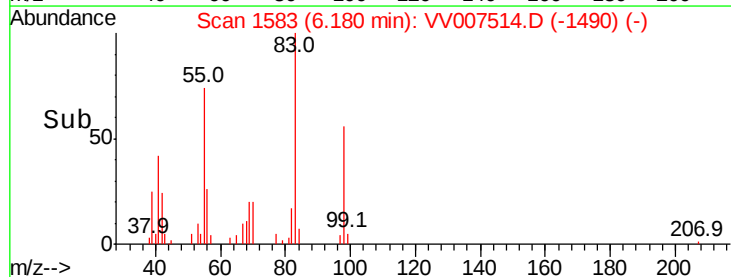
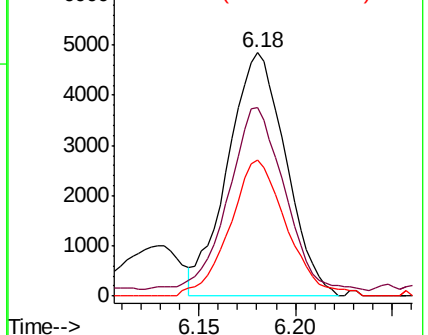


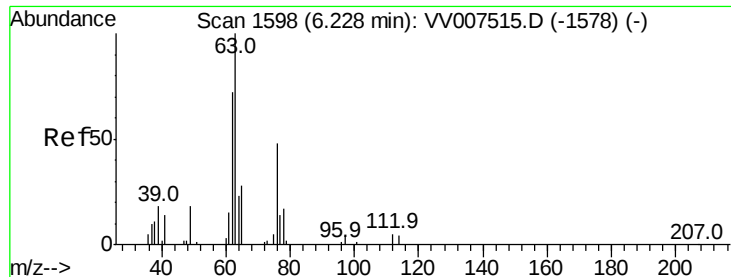
#35
 Methylcyclohexane
 Concen: 0.861 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Tgt Ion: 83 Resp: 10132
 Ion Ratio Lower Upper
 83 100
 55 72.6 55.0 82.4
 98 54.6 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: 0.876 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

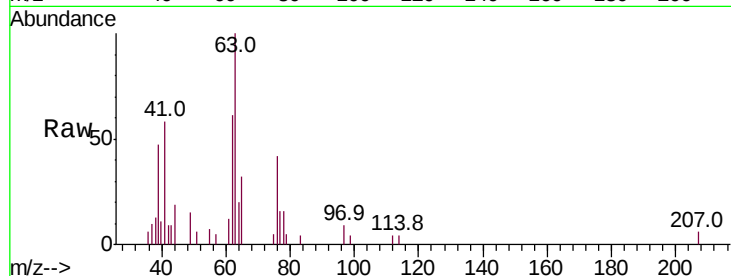
ClientSampleId :

Tot Ion: 63 Resp: 5487

Ion Ratio Lower Upper

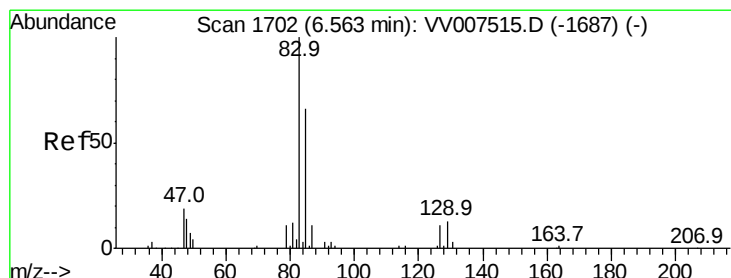
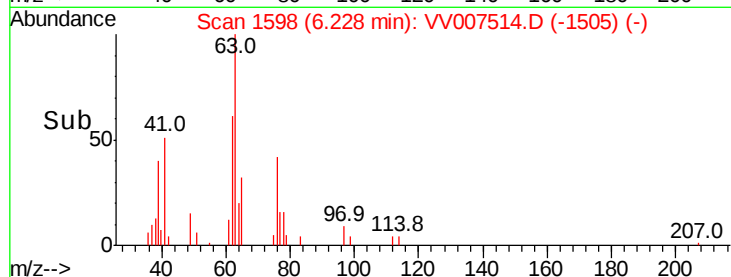
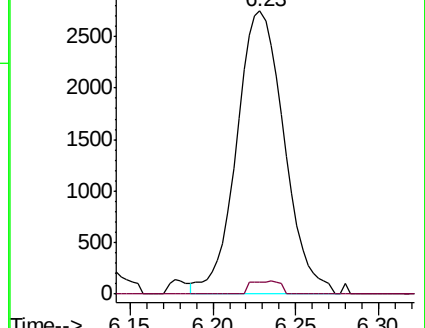
63 100

112 1.2 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007515.D (-1578) (-)

Ion 112.10 (111.80 to 112.80): VV007515.D (-1578) (-)



#38

Bromodichloromethane

Concen: 0.846 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

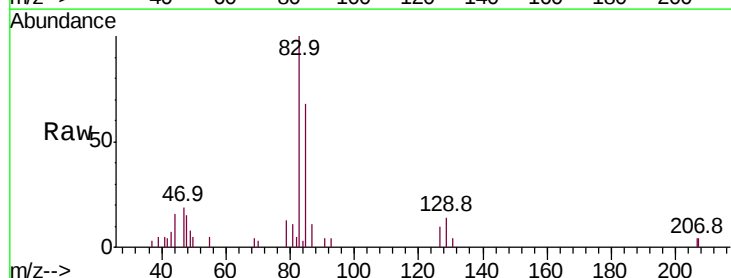
Tgt Ion: 83 Resp: 7591

Ion Ratio Lower Upper

83 100

85 67.8 46.4 86.2

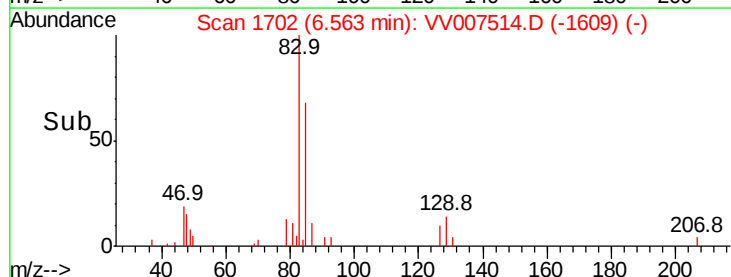
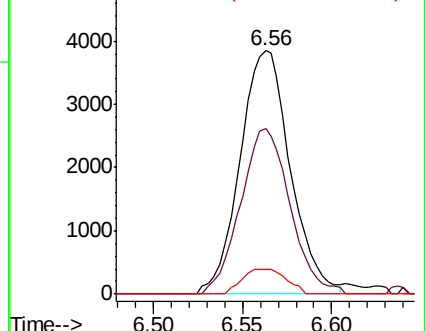
127 10.2 8.4 12.6

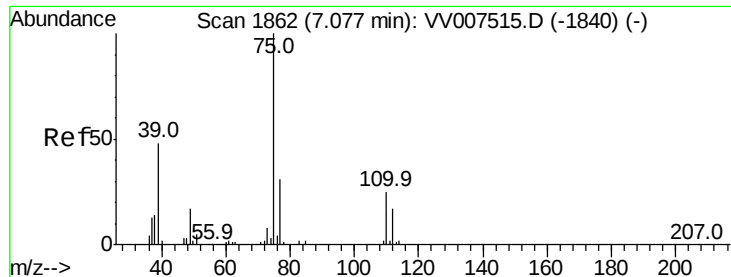


Abundance Ion 82.95 (82.65 to 83.65): VV007515.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV007515.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV007515.D (-1687) (-)

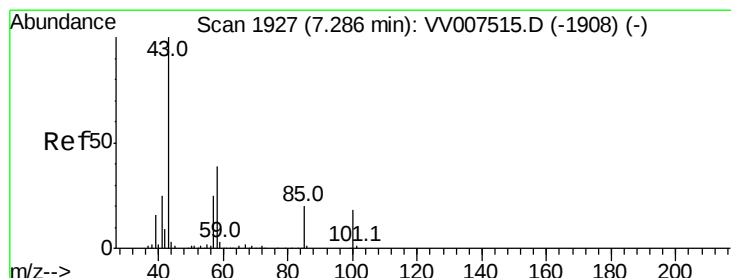
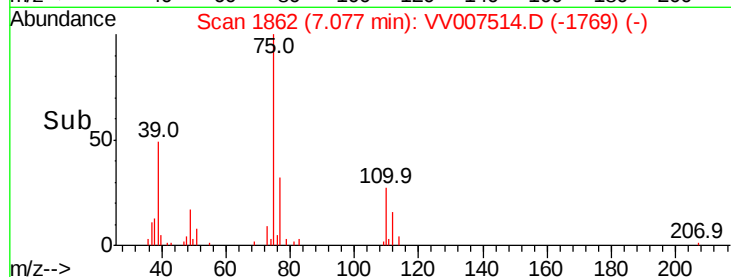
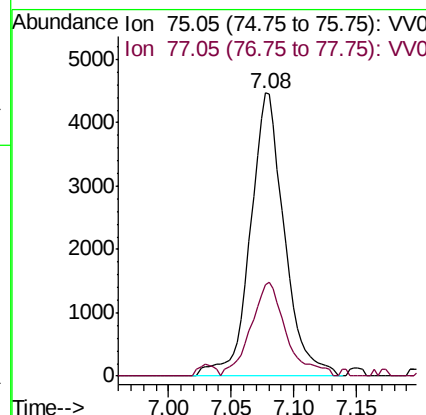
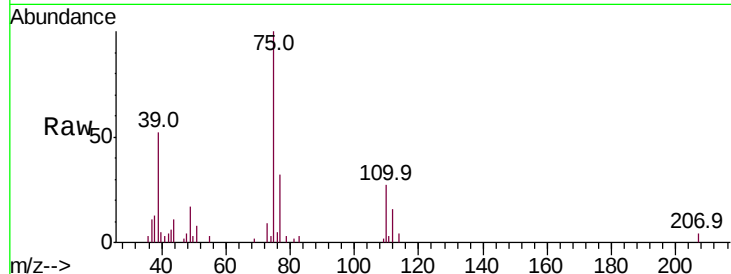




#39
 cis-1,3-Dichloropropene
 Concen: 0.832 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

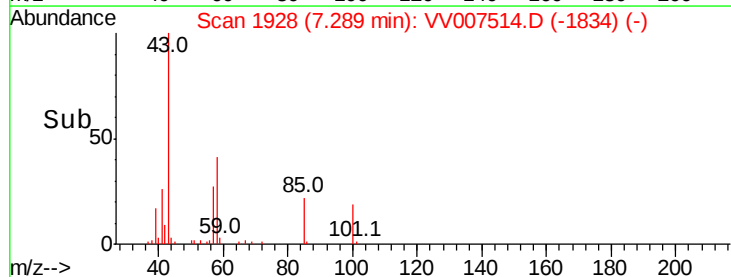
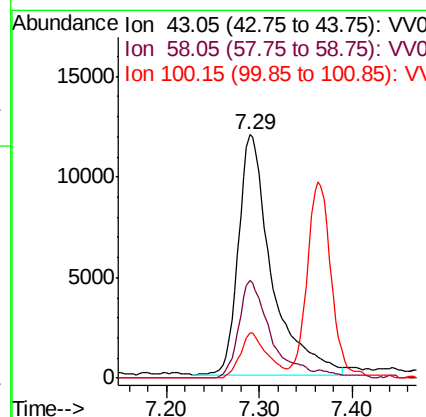
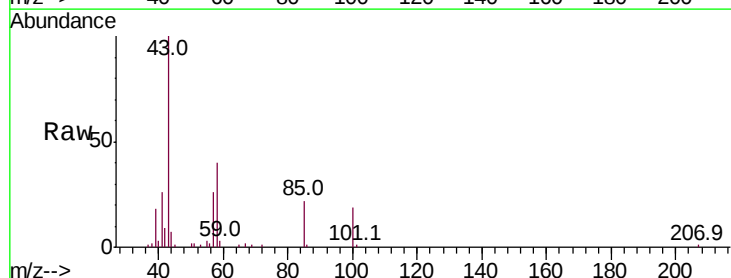
Instrument :
 MSVOA_V
 ClientSampleId :

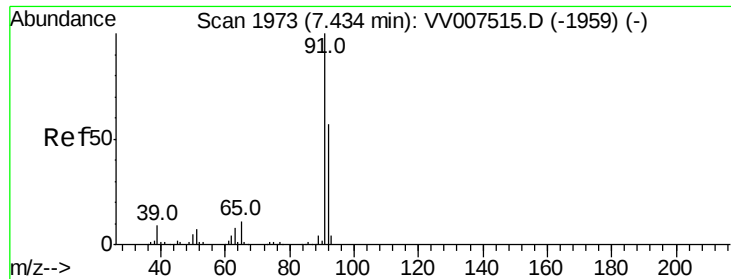
Tot Ion: 75 Resp: 8447
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 8.275 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Tgt Ion: 43 Resp: 29756
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.6 49.0
 100 15.5 13.5 20.3





#42

Toluene

Concen: 0.893 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

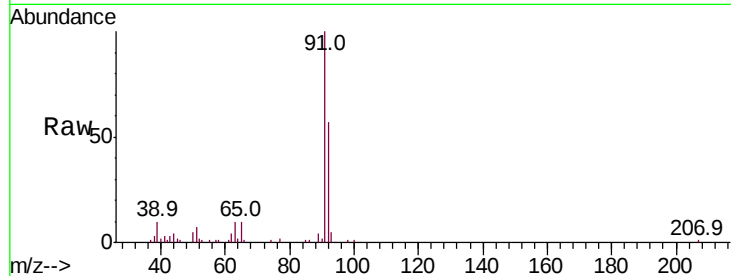
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 24979

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV007514.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007514.D (-1959) (-)

7.44

15000

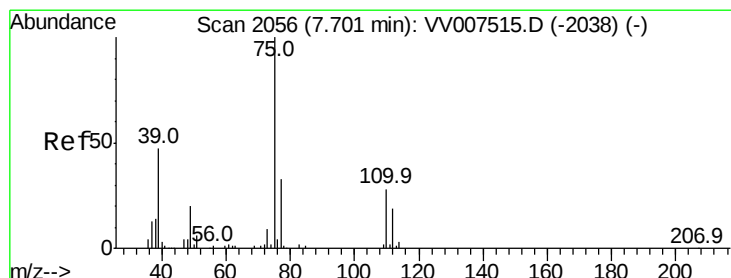
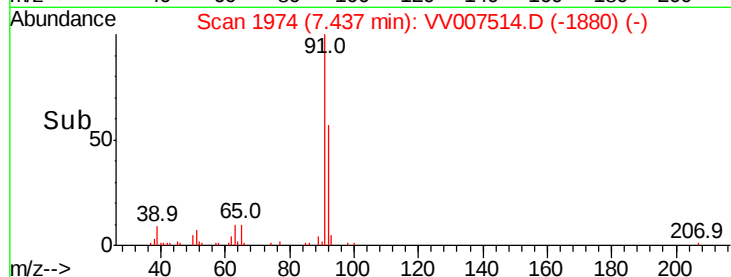
10000

5000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 0.807 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007514.D

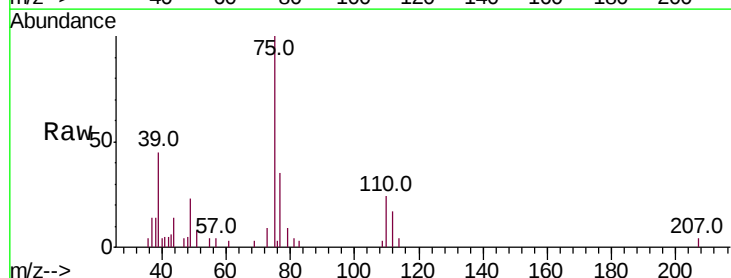
Acq: 13 Sep 2018 17:29

Tgt Ion: 75 Resp: 6858

Ion Ratio Lower Upper

75 100

77 34.8 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VV007514.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007514.D (-2038) (-)

7.70

4000

3000

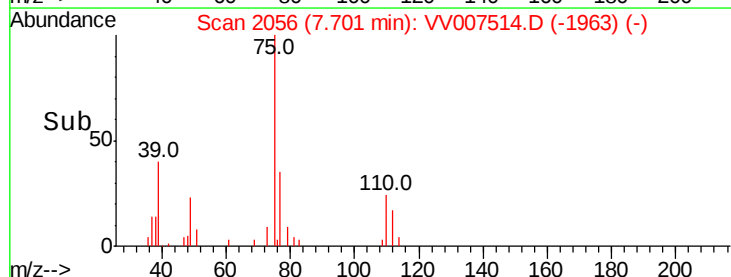
2000

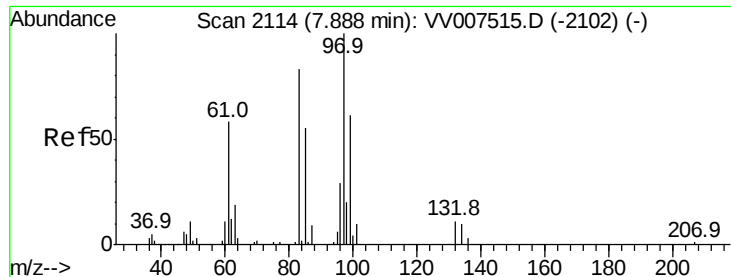
1000

0

Time-->

7.65 7.70 7.75 7.80





#45

1,1,2-Trichloroethane

Concen: 0.786 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

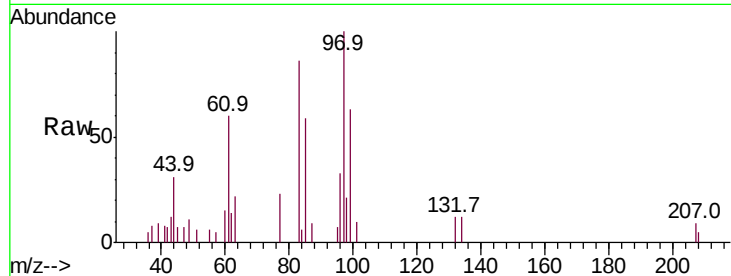
Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 3797

Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.9	79.7
83	86.1	58.1	107.9
85	59.1	38.3	71.1



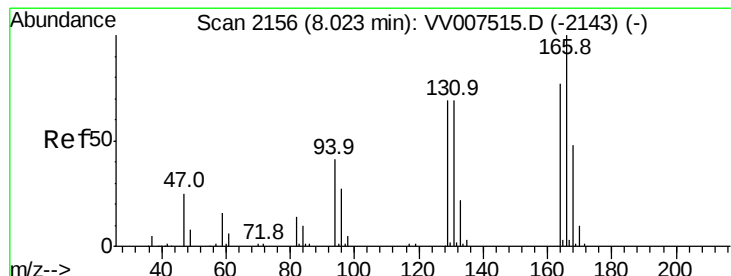
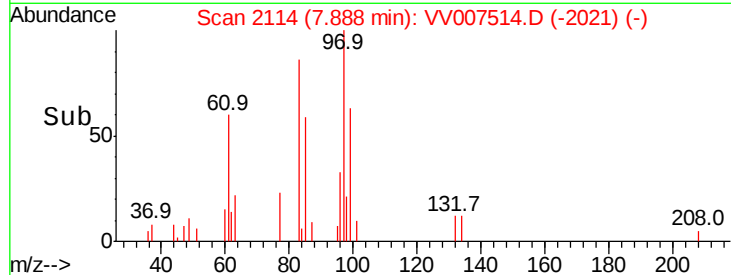
Abundance

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: 0.868 ug/L

RT: 8.02 min Scan# 2156

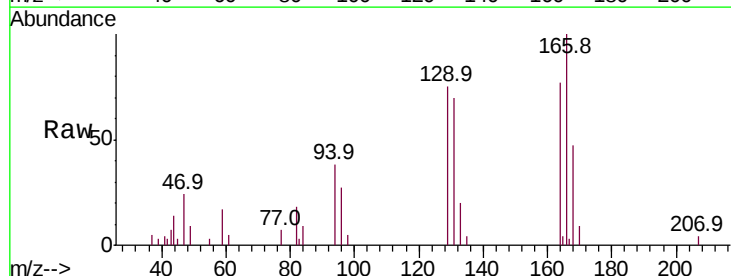
Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Tgt Ion: 164 Resp: 5695

Ion	Ratio	Lower	Upper
164	100		
129	97.4	61.9	115.1
131	90.4	62.1	115.3
166	129.2	90.4	167.8



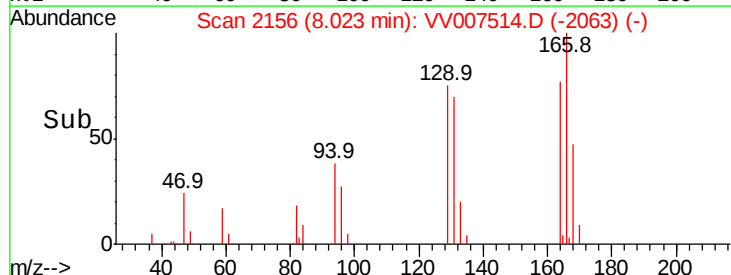
Abundance

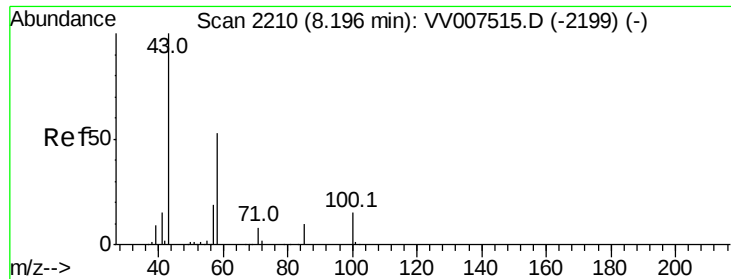
Ion 163.90 (163.60 to 164.60): V

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

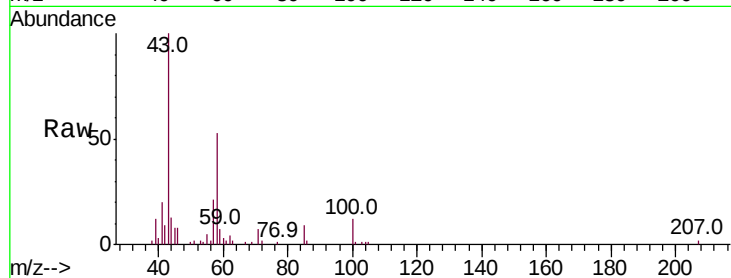




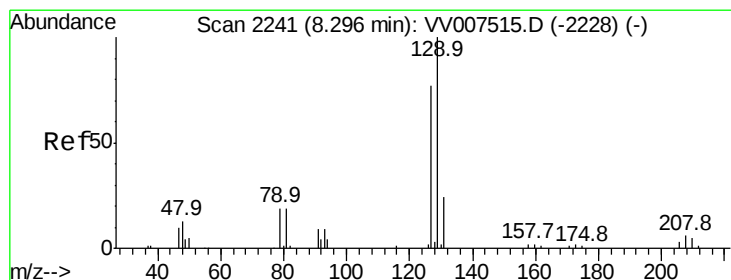
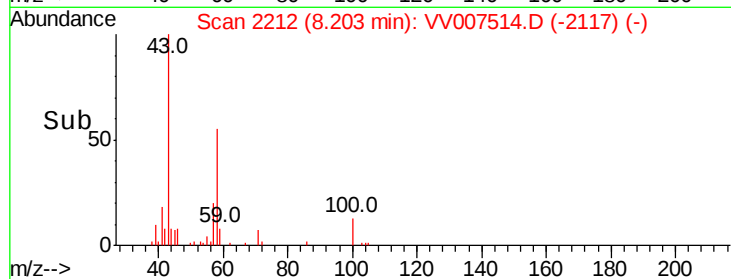
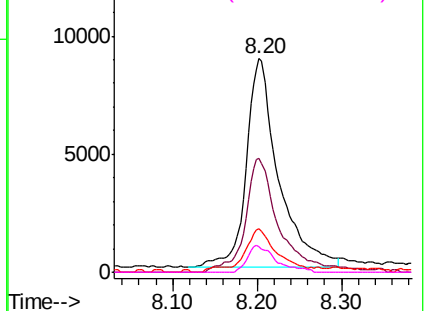
#48
2-Hexanone
Concen: 9.090 ug/L
RT: 8.20 min Scan# 2212
Delta R.T. 0.01 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 23732
Ion Ratio Lower Upper
43 100
58 54.6 49.8 74.6
57 16.1 18.2 27.4#
100 11.3 11.0 16.4

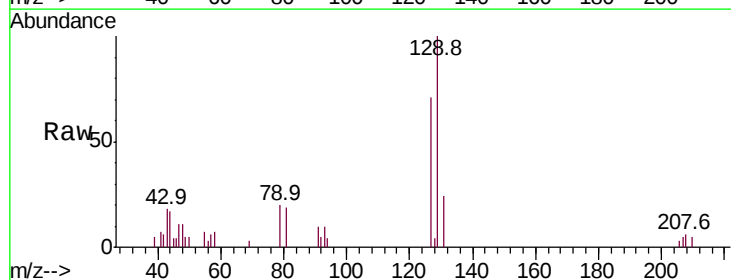


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

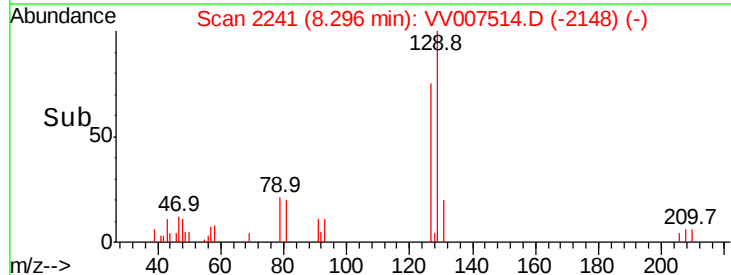
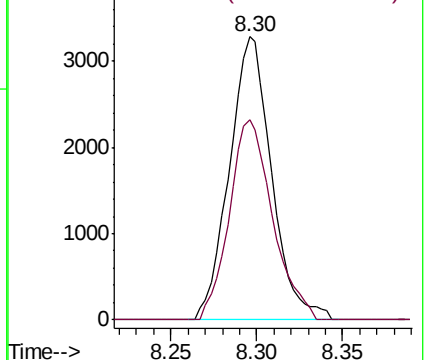


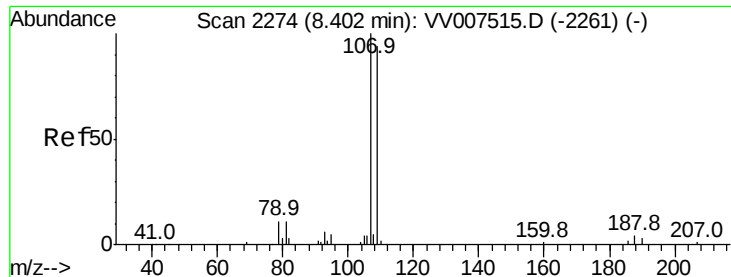
#49
Dibromochloromethane
Concen: 0.844 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007514.D
Acq: 13 Sep 2018 17:29

Tgt Ion: 129 Resp: 5618
Ion Ratio Lower Upper
129 100
127 70.6 53.8 100.0



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





#50

1,2-Dibromoethane

Concen: 0.785 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampled :

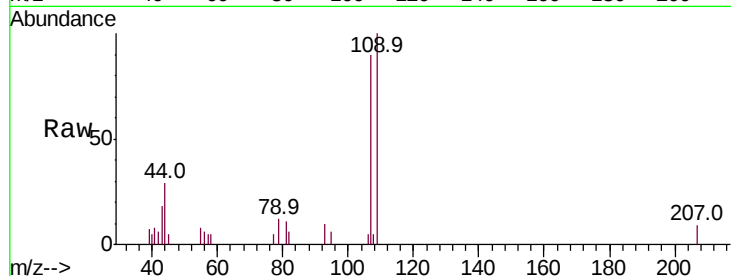
Tot Ion:107 Resp: 3689

Ion Ratio Lower Upper

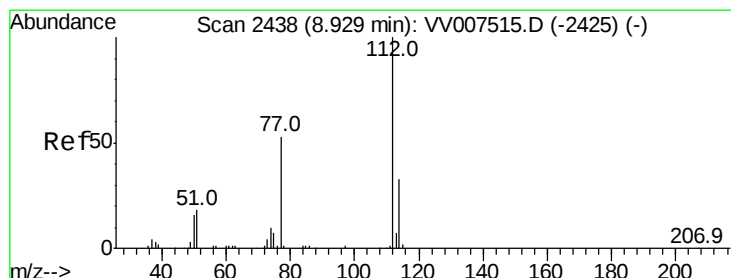
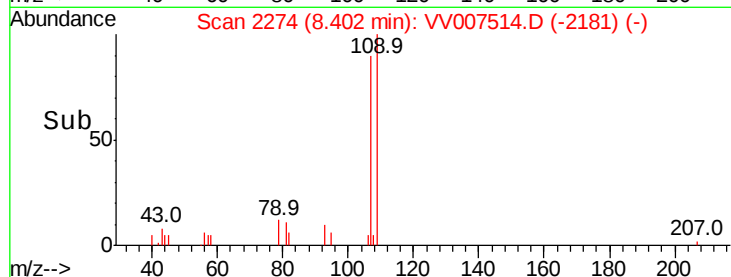
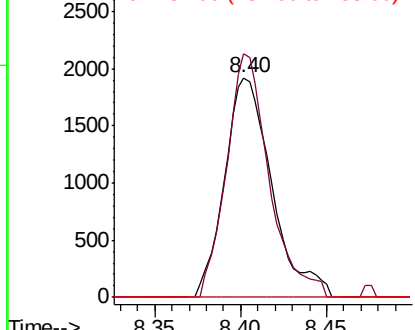
107 100

109 110.7 66.0 122.6

188 0.0 3.3 4.9#



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



#51

Chlorobenzene

Concen: 0.861 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

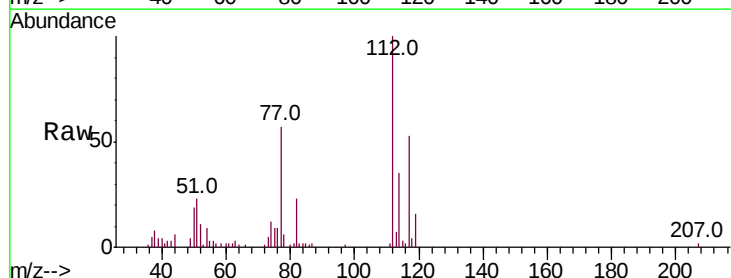
Tgt Ion:112 Resp: 16454

Ion Ratio Lower Upper

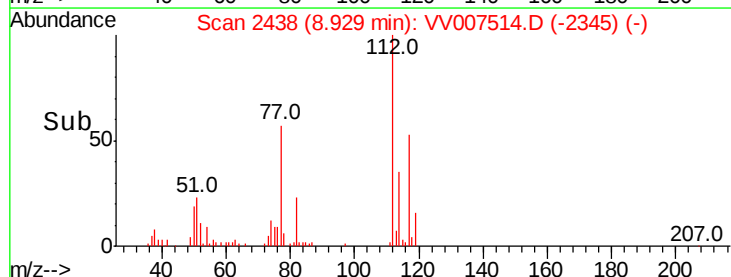
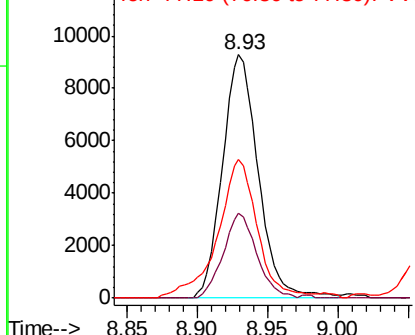
112 100

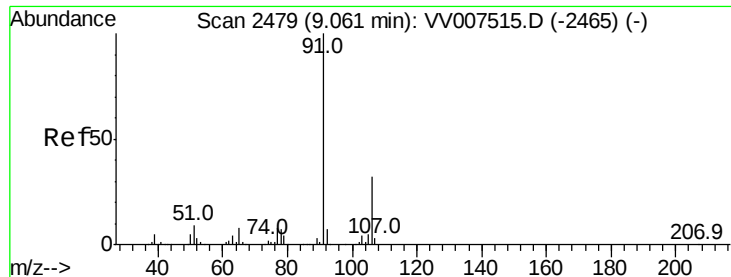
114 34.8 22.8 42.4

77 56.9 43.2 64.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.853 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

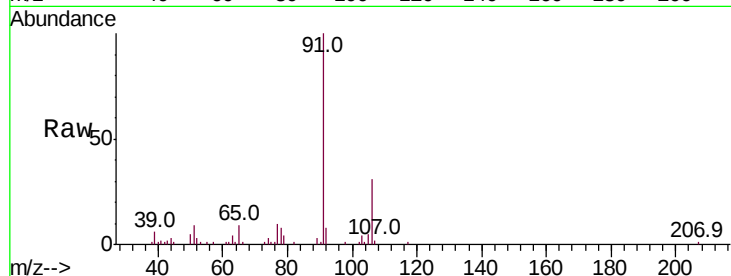
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 27291

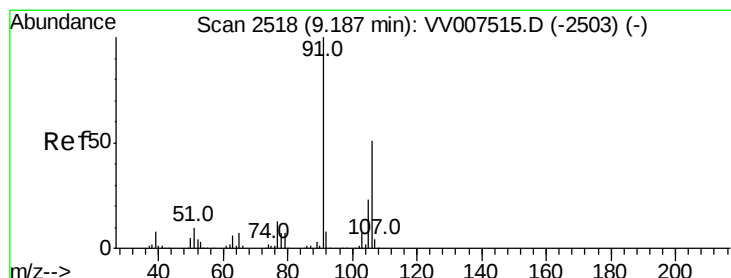
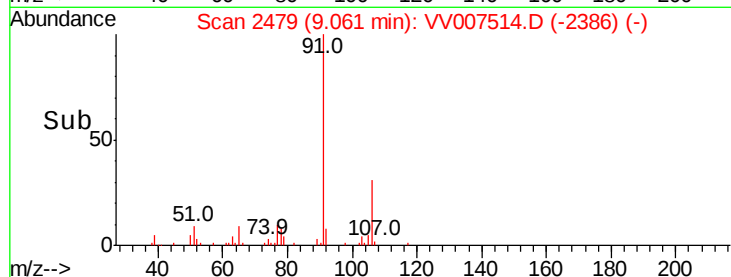
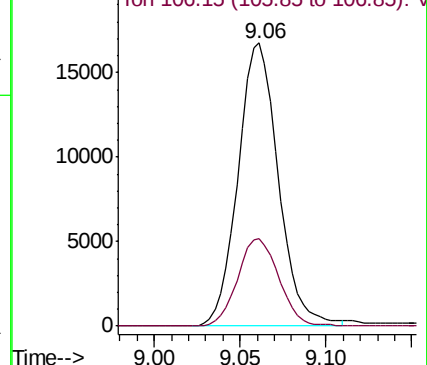
Ion Ratio Lower Upper

91 100

106 30.8 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV007515.D (-2465) (-)



#53

m,p-xylene

Concen: 0.826 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007514.D

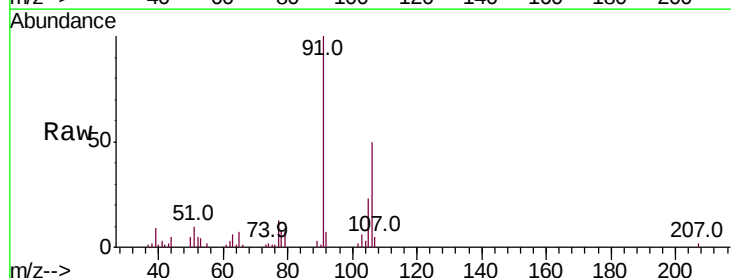
Acq: 13 Sep 2018 17:29

Tgt Ion: 106 Resp: 10327

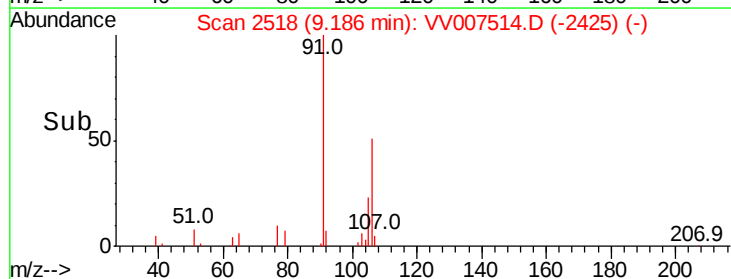
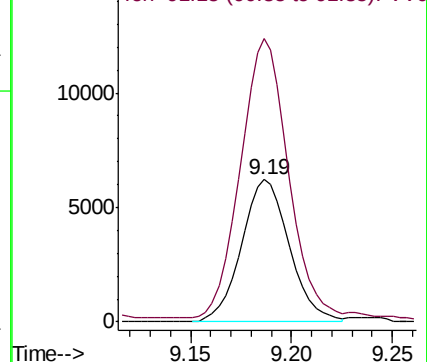
Ion Ratio Lower Upper

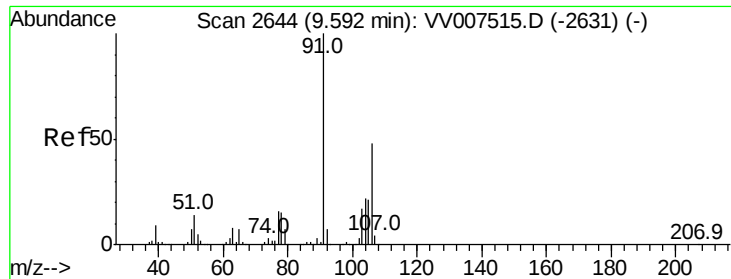
106 100

91 198.6 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): VV007515.D (-2503) (-)





#54

o-xylene

Concen: 0.837 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

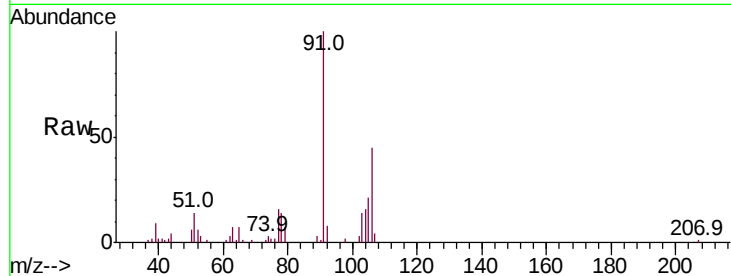
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 10171

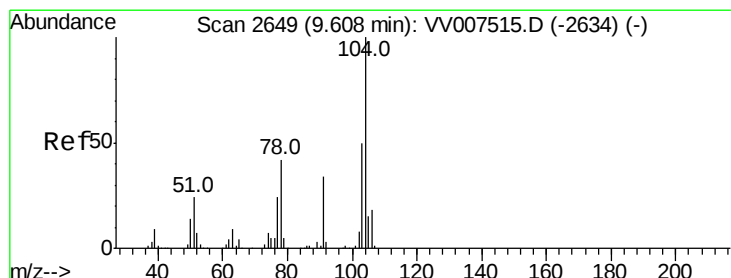
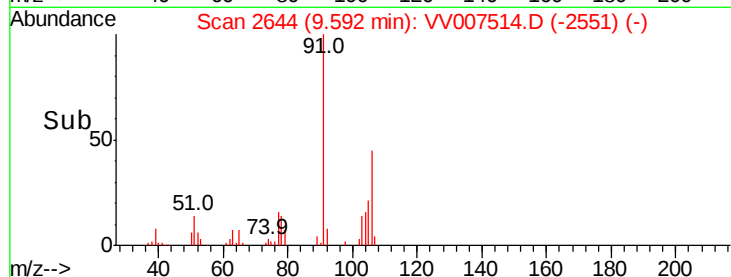
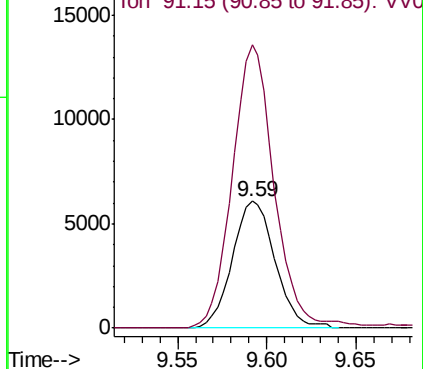
Ion Ratio Lower Upper

106 100

91 223.3 147.6 274.0



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



#55

Styrene

Concen: 0.805 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV007514.D

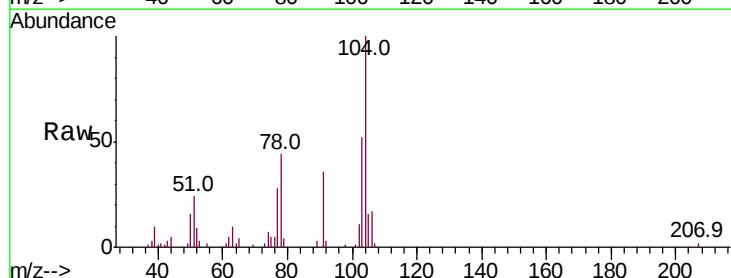
Acq: 13 Sep 2018 17:29

Tgt Ion:104 Resp: 16056

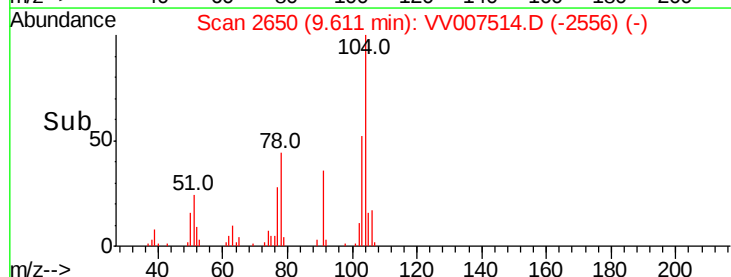
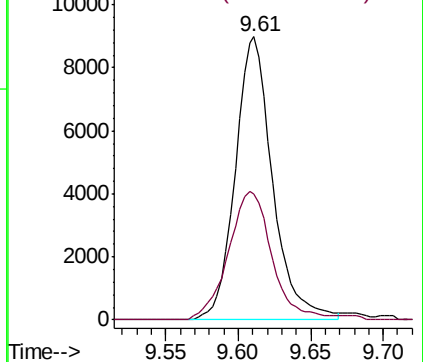
Ion Ratio Lower Upper

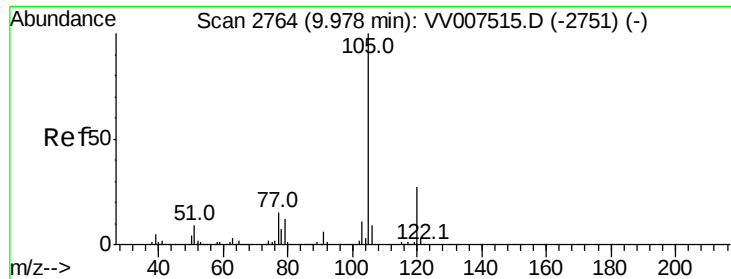
104 100

78 44.3 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: 0.866 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :
MSVOA_V
ClientSampleId :

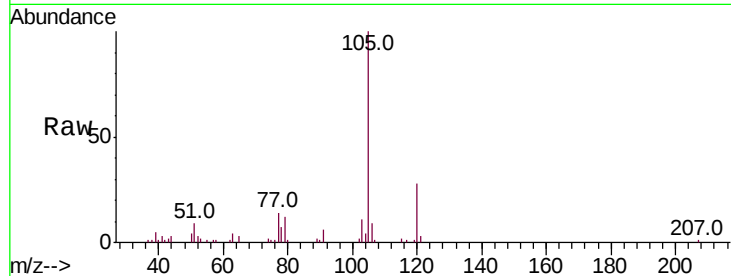
Tot Ion:105 Resp: 28355

Ion Ratio Lower Upper

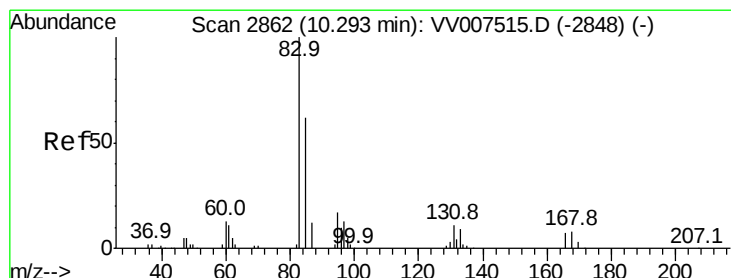
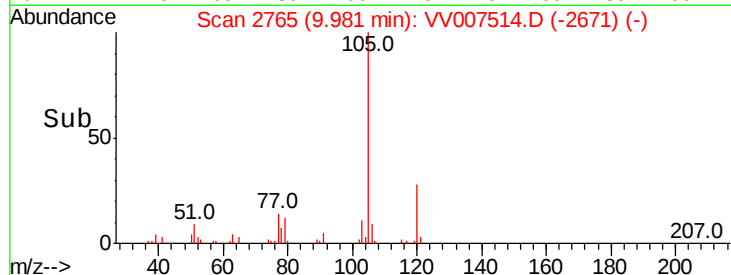
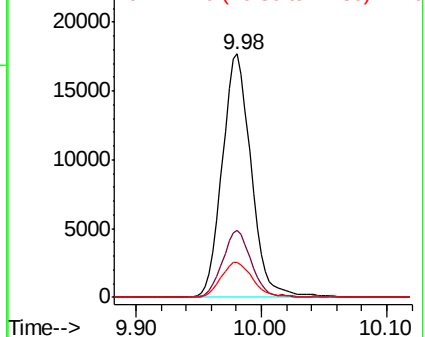
105 100

120 27.0 22.2 33.2

77 15.5 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: 0.723 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

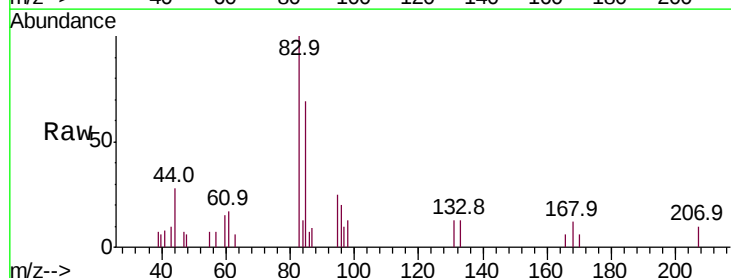
Tgt Ion: 83 Resp: 3716

Ion Ratio Lower Upper

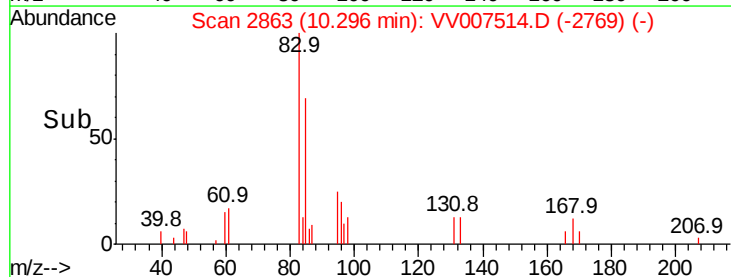
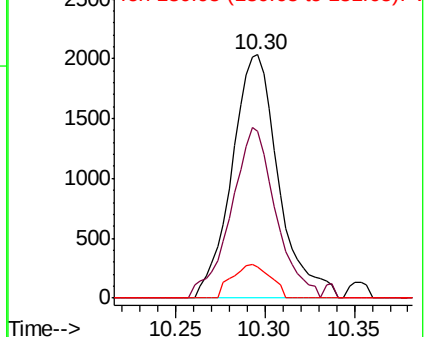
83 100

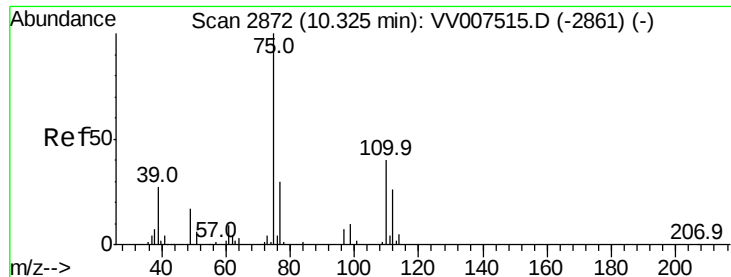
85 68.7 43.6 81.0

131 12.6 9.2 13.8



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.789 ug/L

RT: 10.33 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

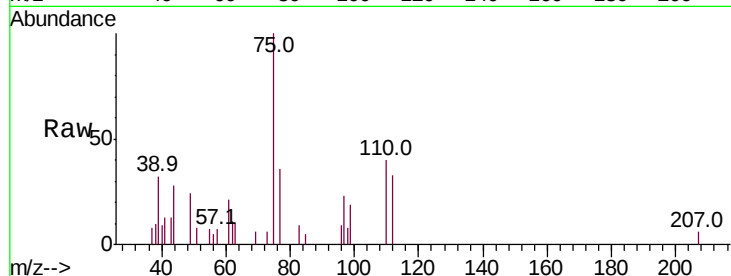
ClientSampled :

Tot Ion: 75 Resp: 3208

Ion Ratio Lower Upper

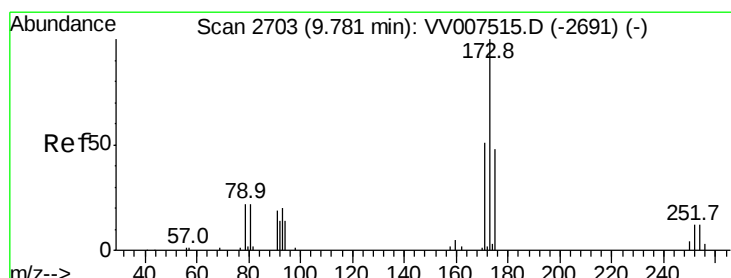
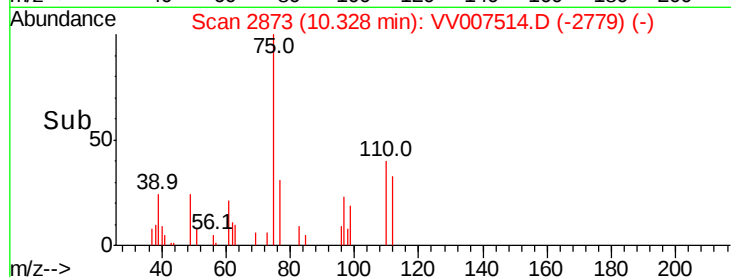
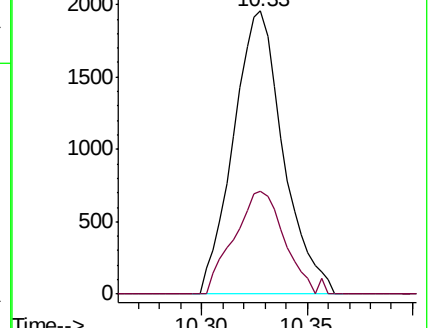
75 100

77 36.8 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV007515.D (-2861) (-)

Ion 77.00 (76.70 to 77.70): VV007515.D (-2861) (-)



#61

Bromoform

Concen: 0.767 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

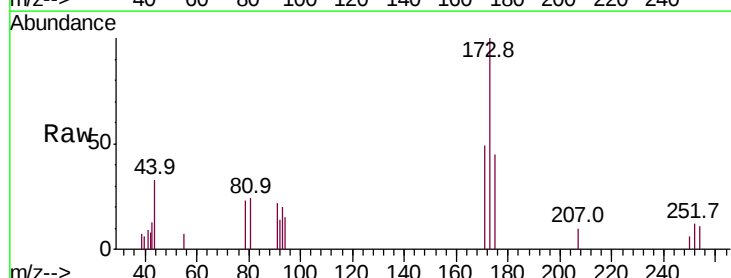
Tgt Ion:173 Resp: 3209

Ion Ratio Lower Upper

173 100

175 43.4 37.9 56.9

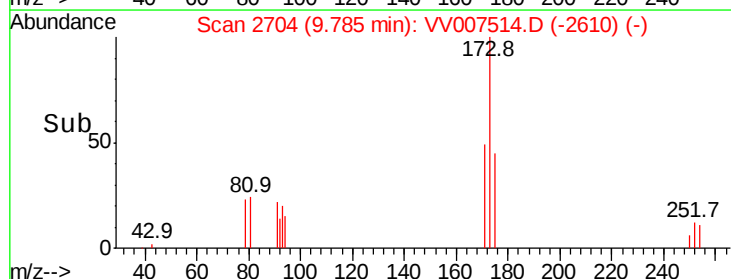
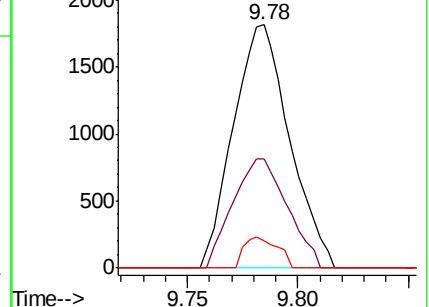
254 7.7 8.8 13.2#

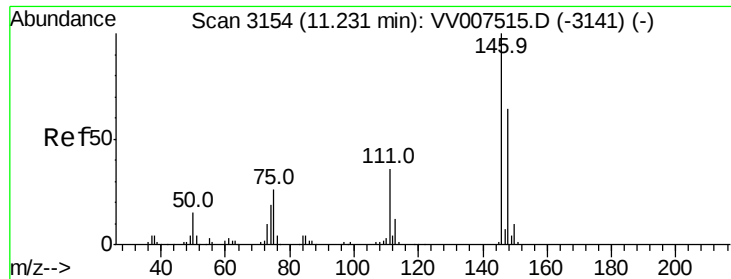


Abundance Ion 172.90 (172.60 to 173.60): VV007515.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007515.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007515.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 0.875 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampled :

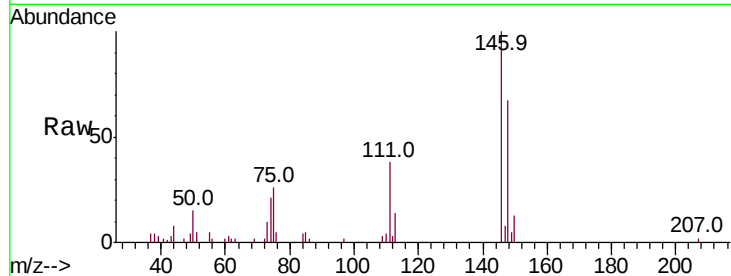
Tot Ion:146 Resp: 13752

Ion Ratio Lower Upper

146 100

111 37.9 25.3 47.1

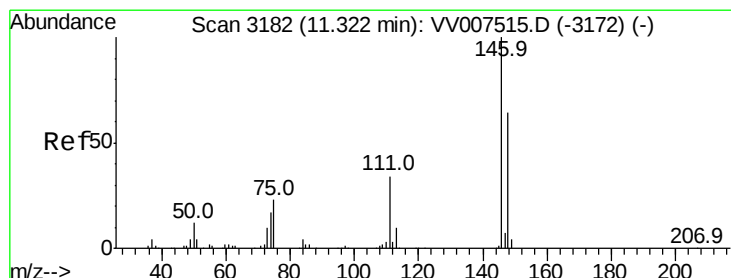
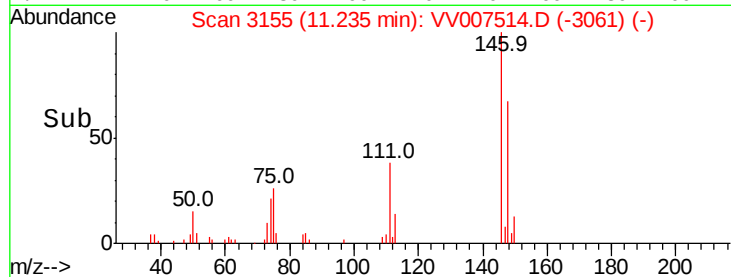
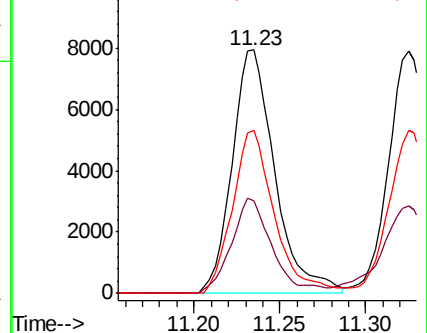
148 66.8 44.6 82.8



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: 0.895 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

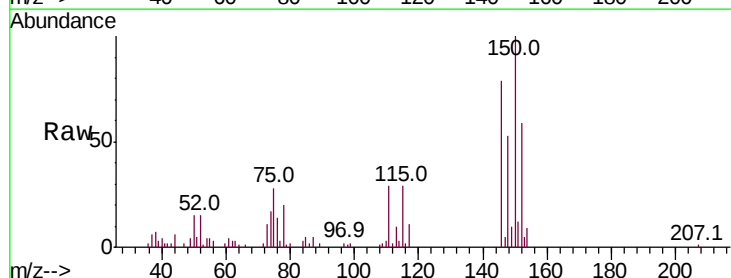
Tgt Ion:146 Resp: 14001

Ion Ratio Lower Upper

146 100

111 36.2 24.5 45.5

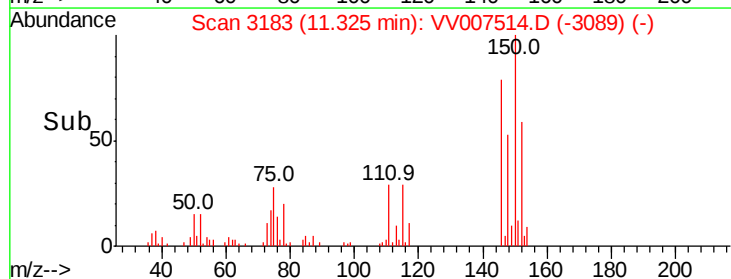
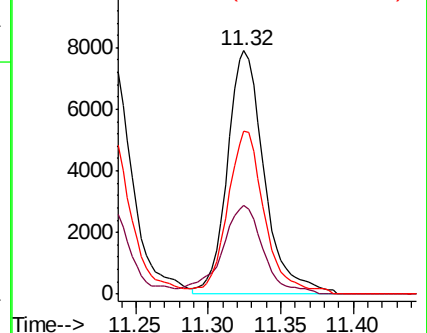
148 67.1 45.1 83.9

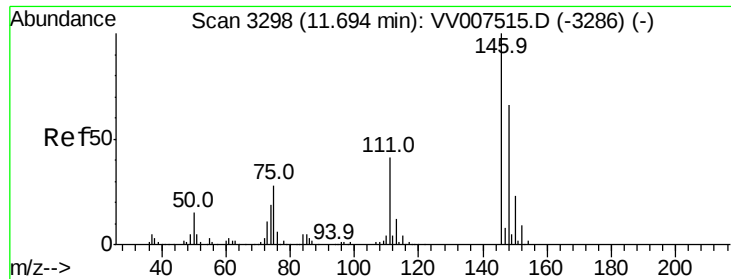


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.876 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampled :

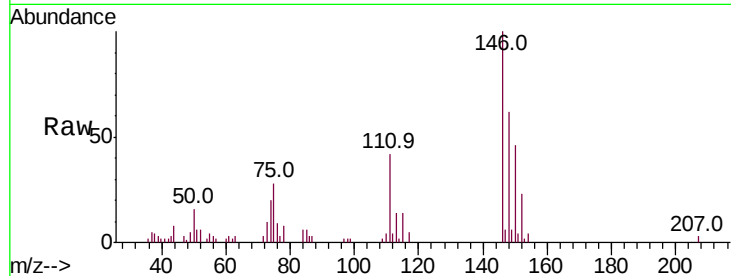
Tot Ion:146 Resp: 12924

Ion Ratio Lower Upper

146 100

111 41.6 32.7 49.1

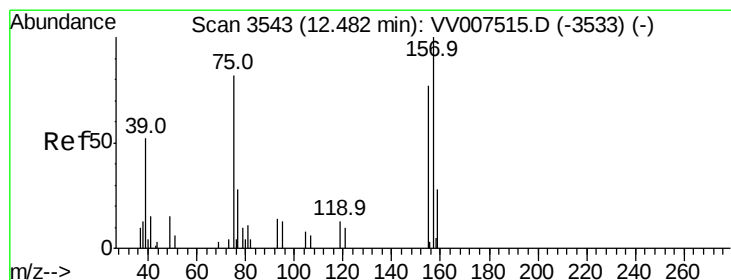
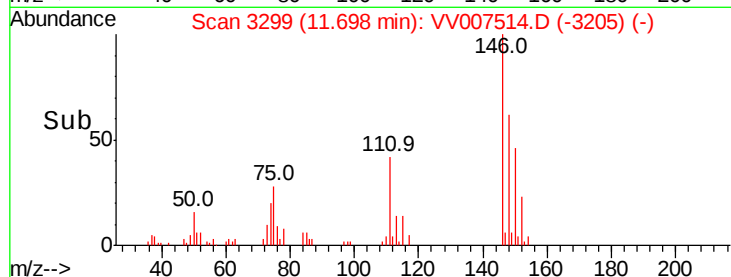
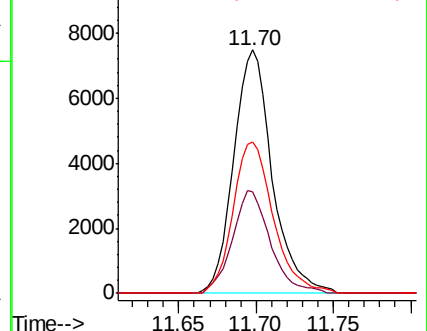
148 62.5 53.0 79.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.623 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

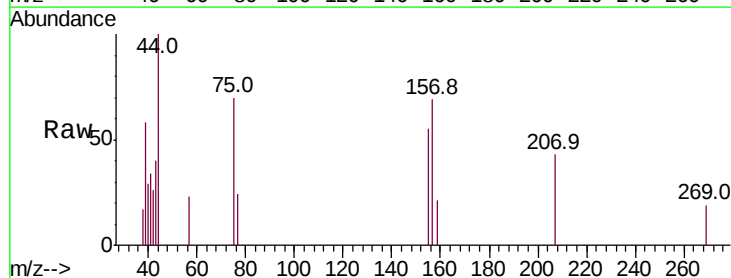
Tgt Ion: 75 Resp: 652

Ion Ratio Lower Upper

75 100

155 78.9 74.6 111.8

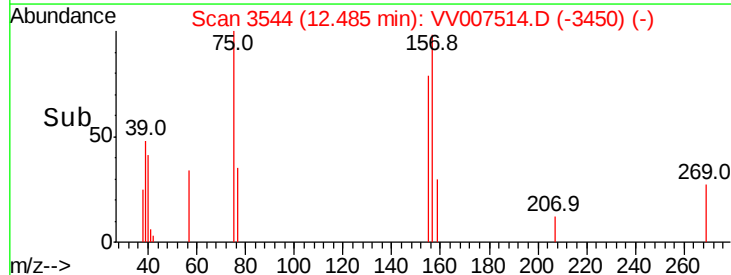
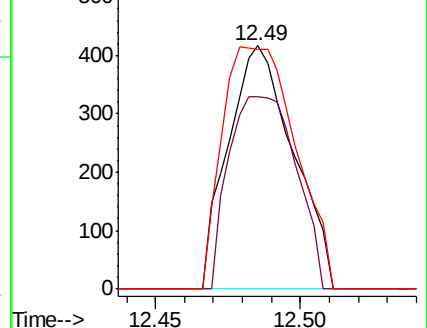
157 98.3 97.4 146.2

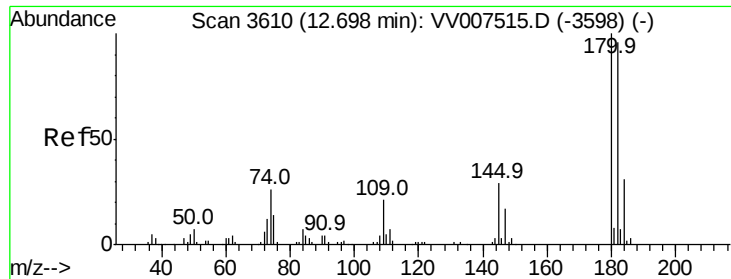


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

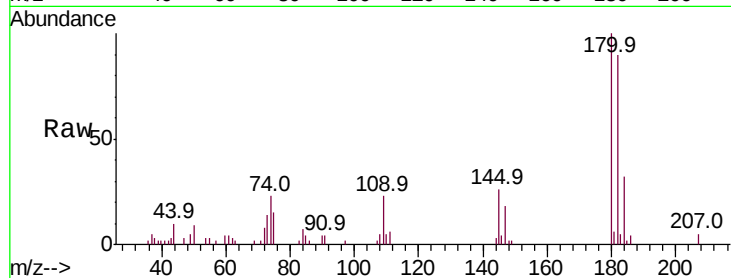




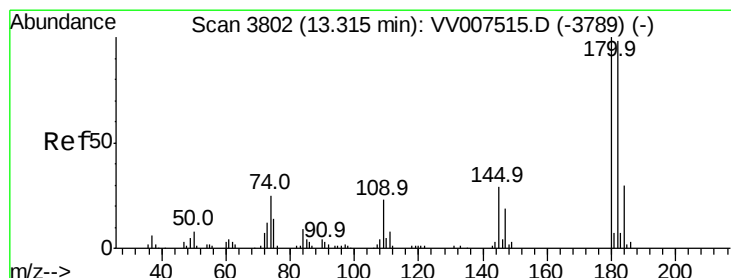
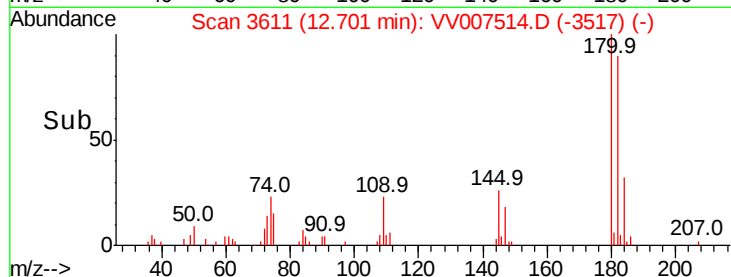
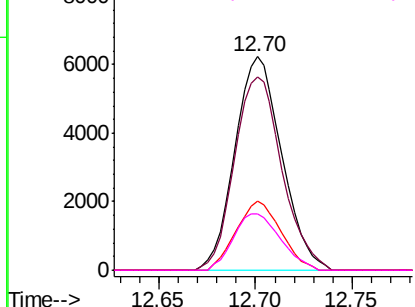
#67
 1,3,5-Trichlorobenzene
 Concen: 0.866 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 10472
 Ion Ratio Lower Upper
 180 100
 182 91.9 76.1 114.1
 184 30.8 24.0 36.0
 145 26.7 22.6 34.0

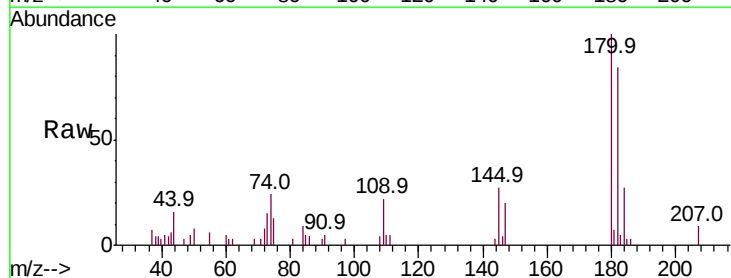


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

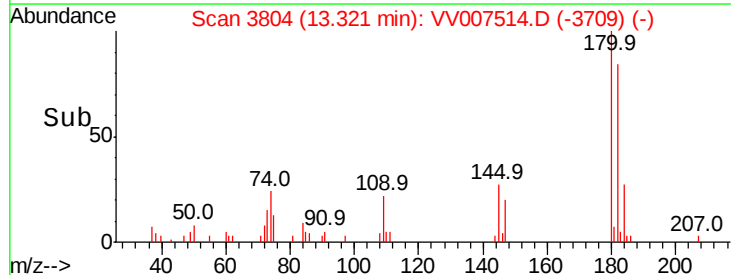
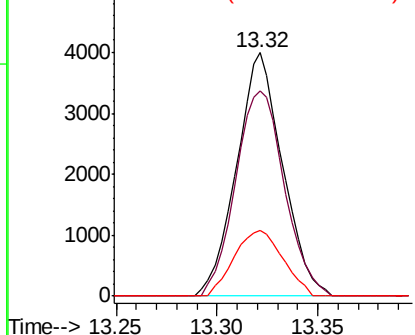


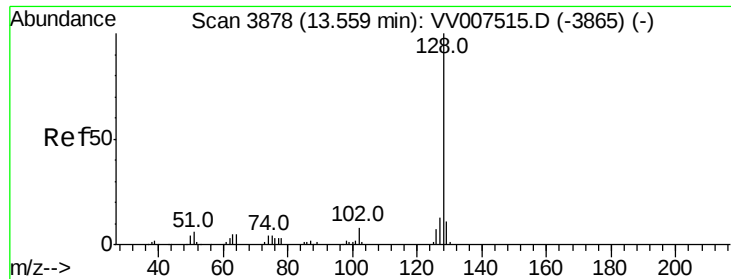
#68
 1,2,4-trichlorobenzene
 Concen: 0.697 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV007514.D
 Acq: 13 Sep 2018 17:29

Tgt Ion:180 Resp: 6364
 Ion Ratio Lower Upper
 180 100
 182 89.7 77.8 116.8
 145 28.6 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: 0.422 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

Instrument :

MSVOA_V

ClientSampleId :

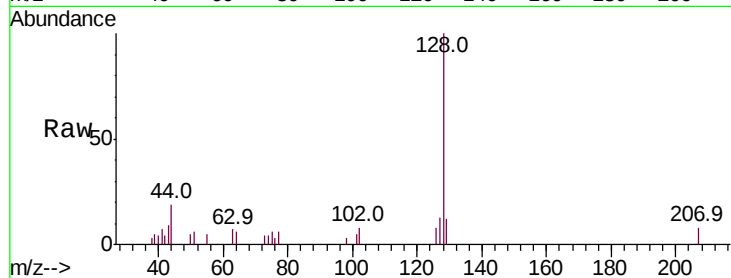
Tot Ion:128 Resp: 5772

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

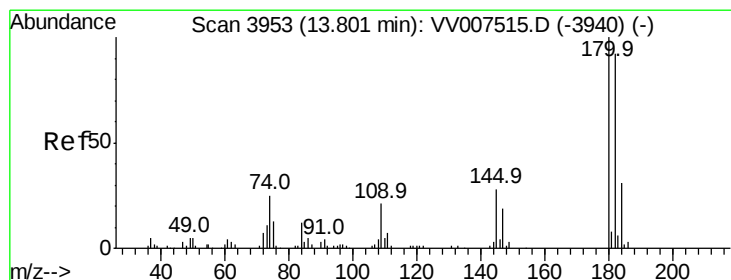
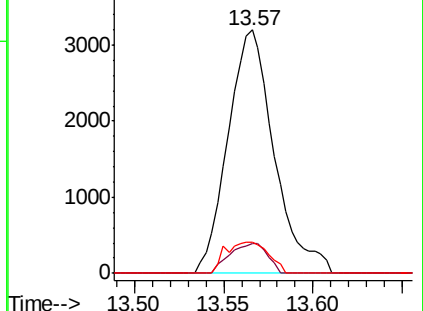
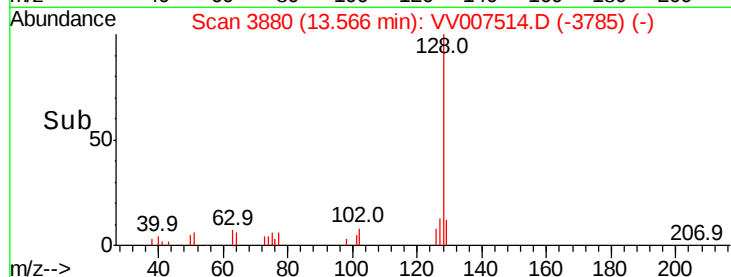
127 11.8 10.5 15.7



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: 0.659 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.00 min

Lab File: VV007514.D

Acq: 13 Sep 2018 17:29

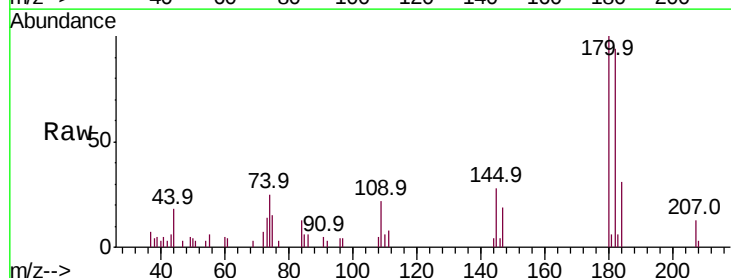
Tgt Ion:180 Resp: 5620

Ion Ratio Lower Upper

180 100

182 98.3 75.5 113.3

145 29.9 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

