

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007516.D
 Acq On : 13 Sep 2018 18:23
 Operator : SY/MD
 Sample : VSTD01068
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:11:27 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	138257	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	124353	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69605	9.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	58135	9.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	149381	10.01	ug/L	0.00
20) 2-Butanone-d5	3.96	46	97063	65.22	ug/L	0.00
24) Chloroform-d	4.41	84	148478	10.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	73520	9.69	ug/L	0.00
32) Benzene-d6	5.10	84	289757	10.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	84312	10.01	ug/L	0.00
41) Toluene-d8	7.36	98	302556	10.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	40094	9.62	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	70442	75.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	60435	9.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	121154	10.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	73027	9.360 ug/L	100
3) Chloromethane	1.25	50	61561	8.825 ug/L	96
5) Vinyl chloride	1.32	62	72064	9.038 ug/L	98
6) Bromomethane	1.54	94	51431	9.569 ug/L	96
8) Chloroethane	1.60	64	42930	9.014 ug/L	95
9) Trichlorofluoromethane	1.77	101	142531	10.015 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77219	9.517 ug/L	99
12) 1,1-Dichloroethene	2.15	96	68276	9.557 ug/L	96
13) Acetone	2.21	43	58099	66.672 ug/L	92
14) Carbon disulfide	2.32	76	202998	9.364 ug/L	100
15) Methyl Acetate	2.47	43	16625	6.866 ug/L	96
16) Methylene chloride	2.54	84	65596	8.628 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	159135	8.901 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	74516	9.671 ug/L	98
19) 1,1-Dichloroethane	3.23	63	110106	8.969 ug/L	100
21) 2-Butanone	4.05	43	105187	73.773 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	74866	10.039 ug/L	94
23) Bromochloromethane	4.31	128	32303	9.081 ug/L	98
25) Chloroform	4.43	83	124963	9.797 ug/L	100
27) 1,2-Dichloroethane	5.19	62	72198	9.131 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	121369	9.610 ug/L	98
30) Cyclohexane	4.73	56	105441	9.448 ug/L	99
31) Carbon tetrachloride	4.88	117	114525	9.845 ug/L	100
33) Benzene	5.15	78	260667	9.735 ug/L	100
34) Trichloroethene	5.96	95	79066	9.723 ug/L	99
35) Methylcyclohexane	6.18	83	125003	9.948 ug/L	98
37) 1,2-Dichloropropane	6.23	63	63537	9.498 ug/L	99
38) Bromodichloromethane	6.56	83	91480	9.549 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	103715	9.565 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	343239	89.404 ug/L	100

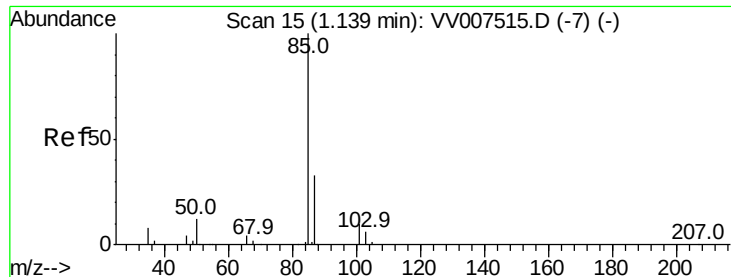
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 QLast Update : Fri Sep 14 04:09:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	299587	10.034	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	82995	9.142	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	47015	9.113	ug/L	98
47) Tetrachloroethene	8.02	164	72725	10.378	ug/L	99
48) 2-Hexanone	8.20	43	269695	96.755	ug/L	94
49) Dibromochloromethane	8.30	129	69520	9.787	ug/L	100
50) 1,2-Dibromoethane	8.40	107	47327	9.429	ug/L	99
51) Chlorobenzene	8.93	112	201095	9.858	ug/L	99
52) Ethylbenzene	9.06	91	342059	10.018	ug/L	98
53) m,p-xylene	9.19	106	131868	9.884	ug/L	98
54) o-xylene	9.59	106	128934	9.933	ug/L	99
55) Styrene	9.61	104	215387	10.110	ug/L	96
56) Isopropylbenzene	9.98	105	350591	10.028	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	48313	8.801	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	38180	8.798	ug/L	96
61) Bromoform	9.78	173	42120	9.367	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	171301	10.143	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	171889	10.229	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	156452	9.870	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8601	7.649	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	140718	10.827	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	111771	11.399	ug/L	100
69) Naphthalene	13.56	128	146329	9.949	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	100396	10.949	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.360 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

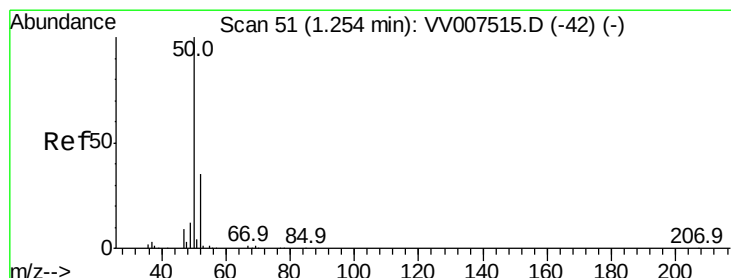
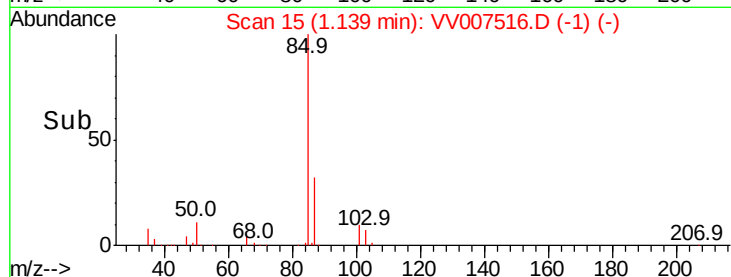
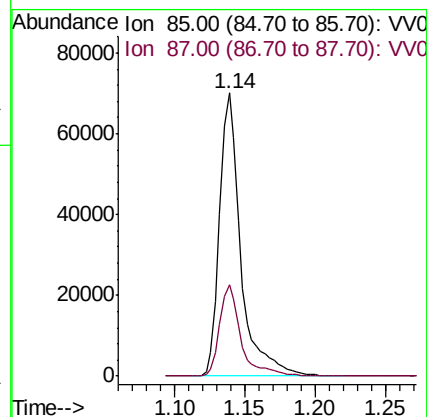
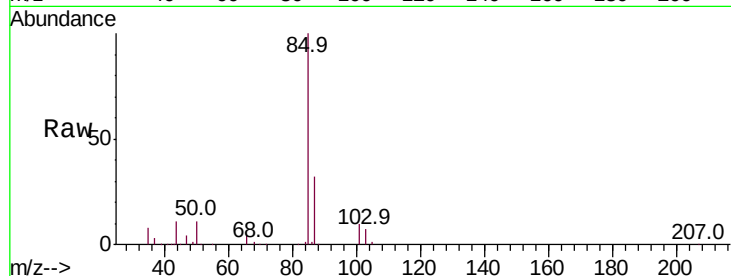
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 73027

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



#3

Chloromethane

Concen: 8.825 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007516.D

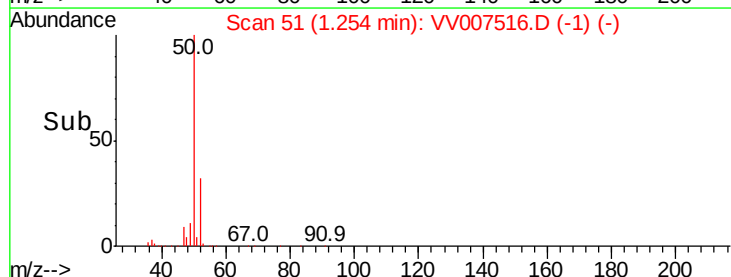
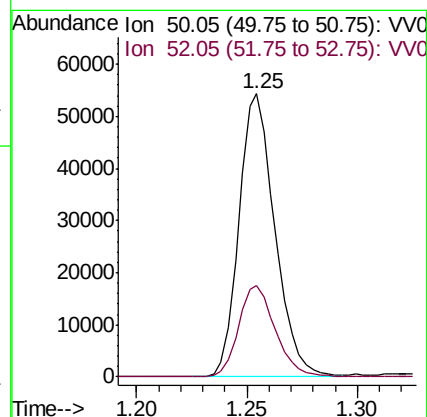
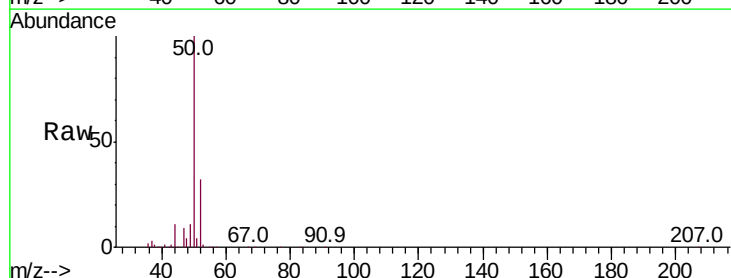
Acq: 13 Sep 2018 18:23

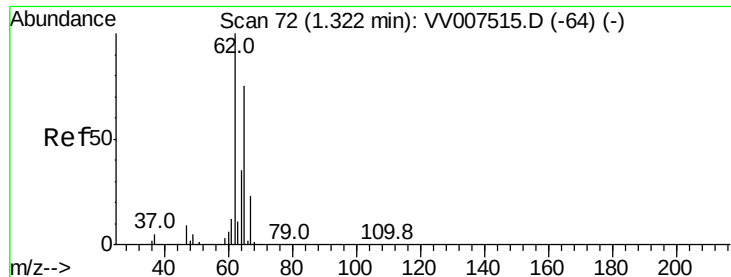
Tgt Ion: 50 Resp: 61561

Ion Ratio Lower Upper

50 100

52 32.4 24.3 45.1





#5

Vinyl chloride

Concen: 9.038 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

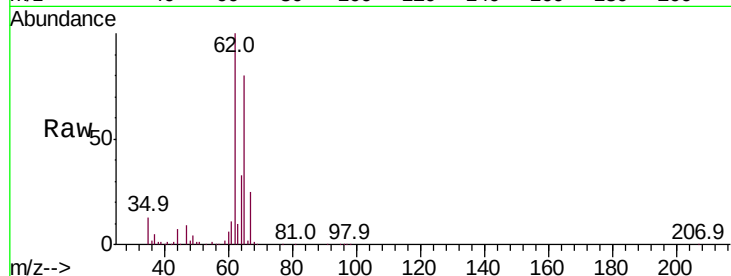
ClientSampleId :

Tot Ion: 62 Resp: 72064

Ion Ratio Lower Upper

62 100

64 33.5 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007516.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007516.D (-64) (-)

1.32

80000

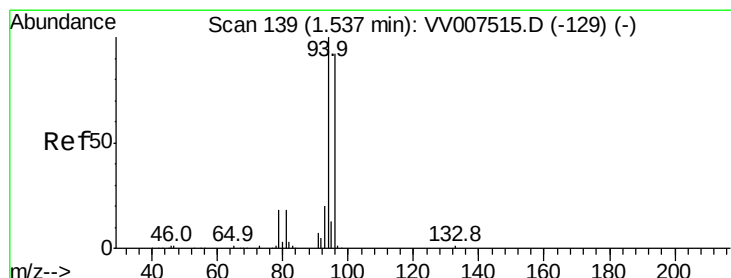
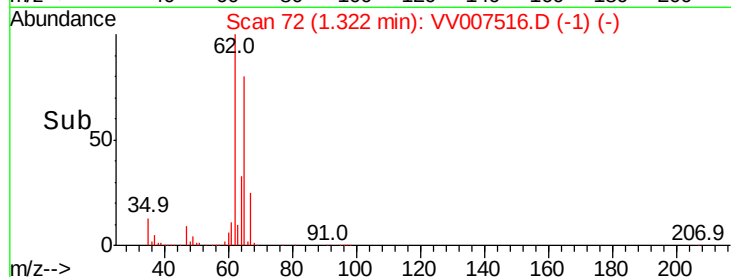
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 9.569 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007516.D

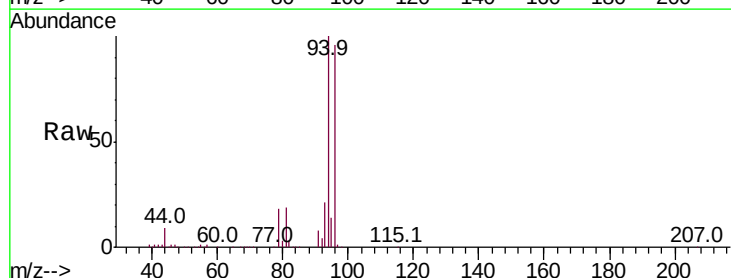
Acq: 13 Sep 2018 18:23

Tgt Ion: 94 Resp: 51431

Ion Ratio Lower Upper

94 100

96 95.7 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007516.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV007516.D (-129) (-)

1.54

50000

40000

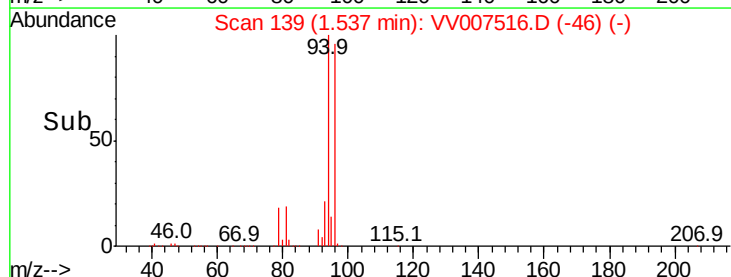
30000

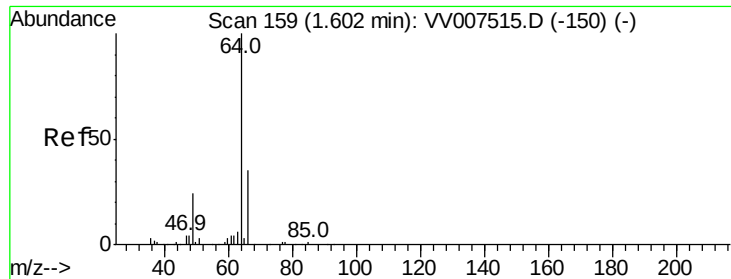
20000

10000

0

Time--> 1.50 1.55 1.60

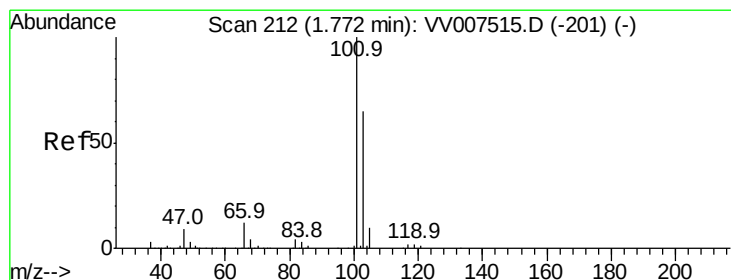
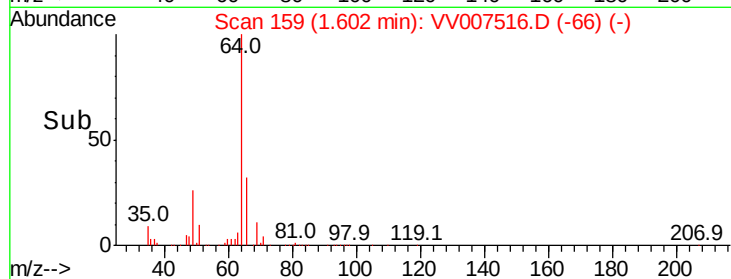
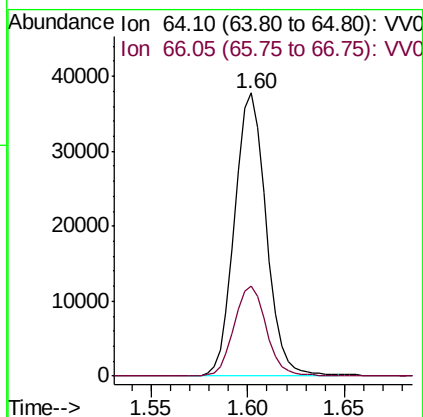
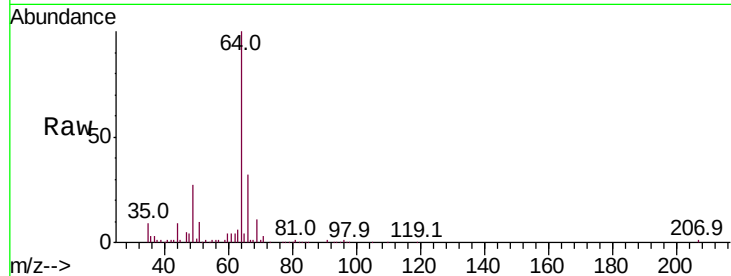




#8
Chloroethane
Concen: 9.014 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

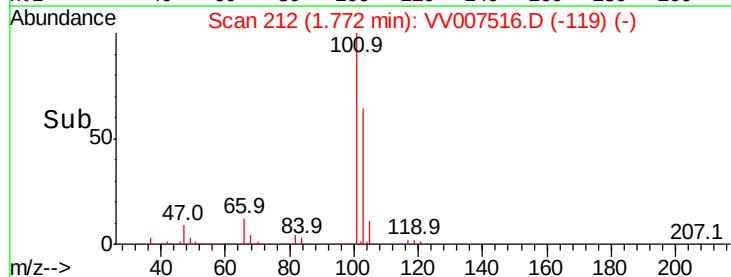
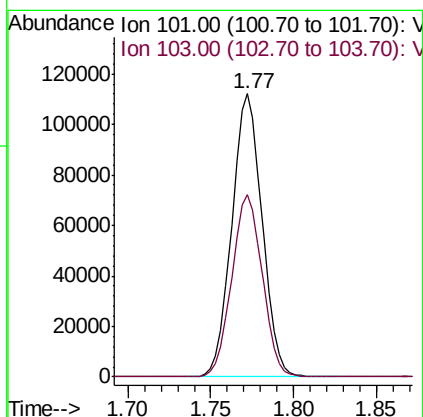
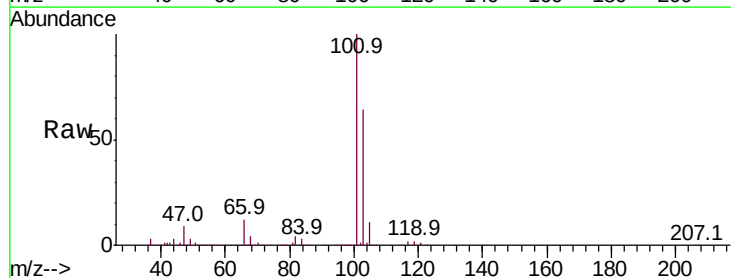
Instrument :
MSVOA_V
ClientSampleId :

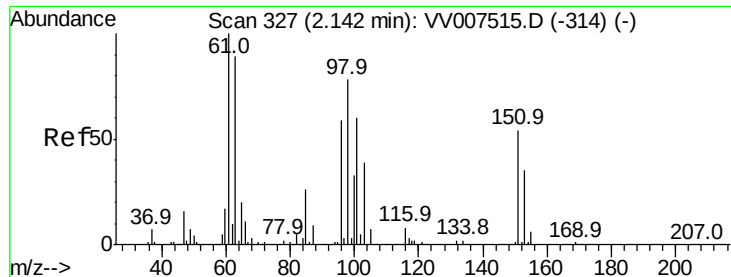
Tot Ion: 64 Resp: 42930
Ion Ratio Lower Upper
64 100
66 32.0 24.3 45.1



#9
Trichlorofluoromethane
Concen: 10.015 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Tgt Ion:101 Resp: 142531
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8





#10

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

Concen: 9.517 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :
MSVOA_V
ClientSampled :

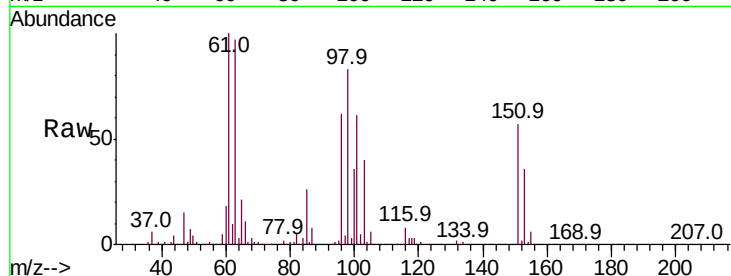
Tot Ion:101 Resp: 77219

Ion Ratio Lower Upper

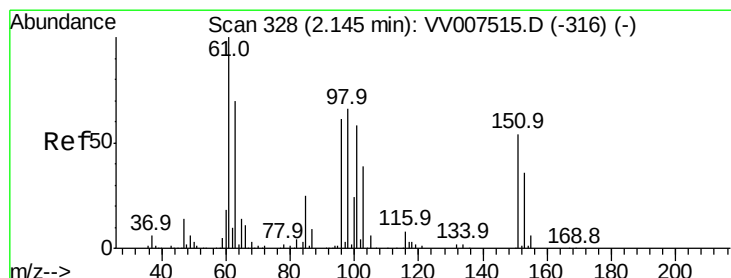
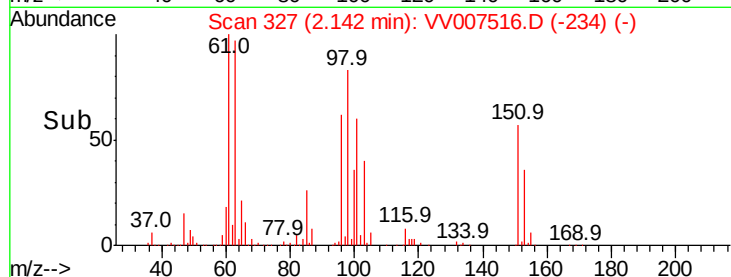
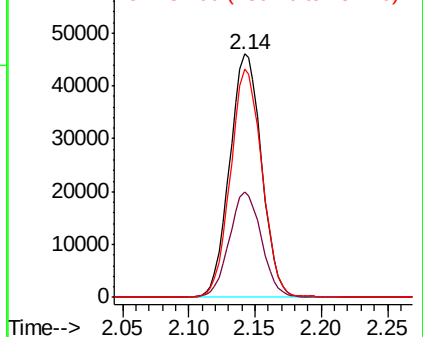
101 100

85 43.7 34.8 52.2

151 92.6 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VV0
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.557 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

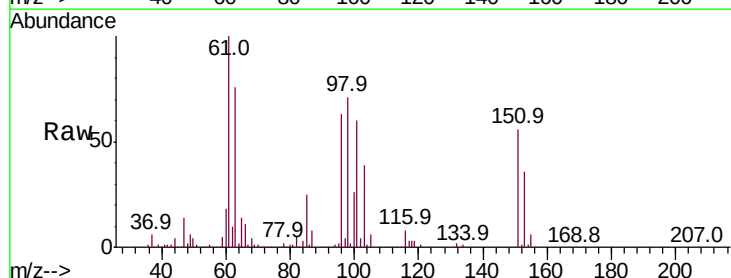
Tgt Ion: 96 Resp: 68276

Ion Ratio Lower Upper

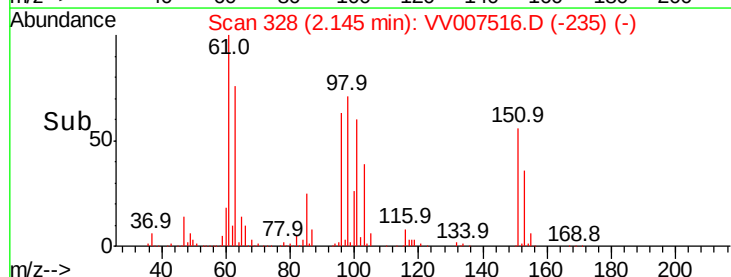
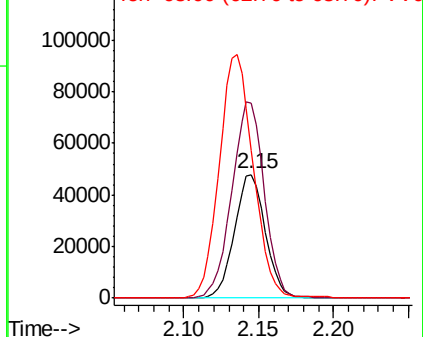
96 100

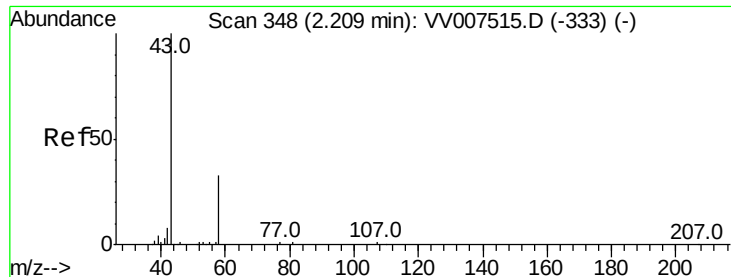
61 157.9 114.8 213.2

63 119.6 81.8 151.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 66.672 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

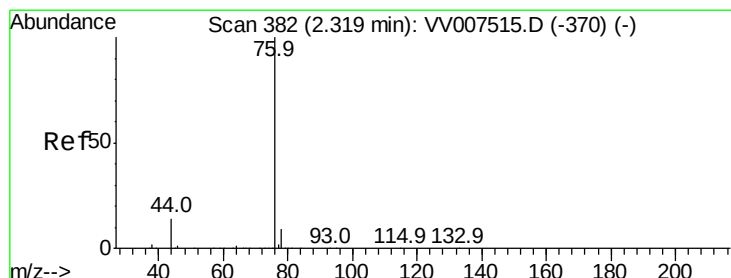
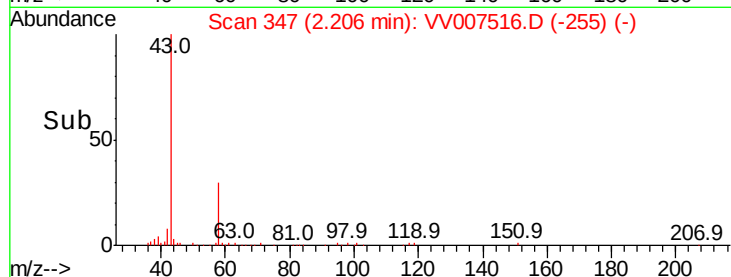
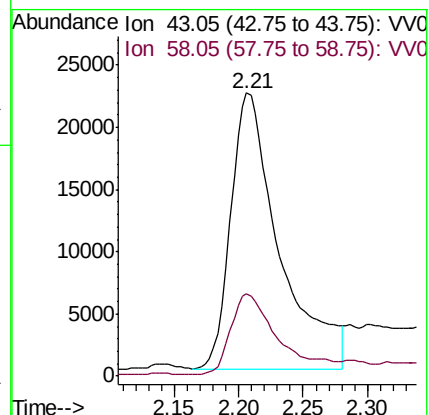
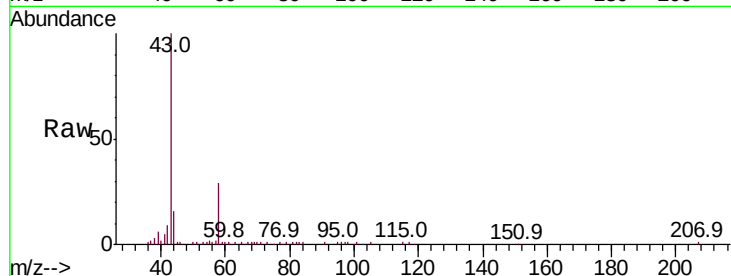
ClientSampleId :

Tot Ion: 43 Resp: 58099

Ion Ratio Lower Upper

43 100

58 27.2 0.0 63.4



#14

Carbon disulfide

Concen: 9.364 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007516.D

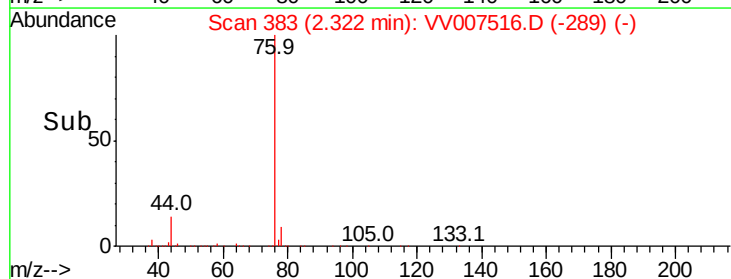
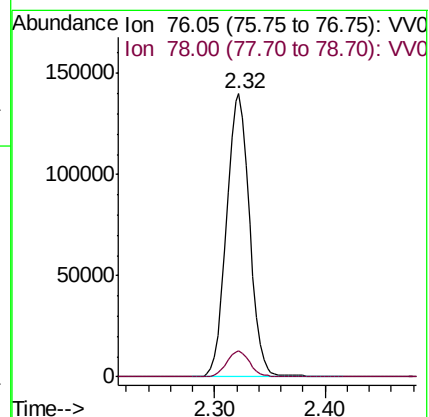
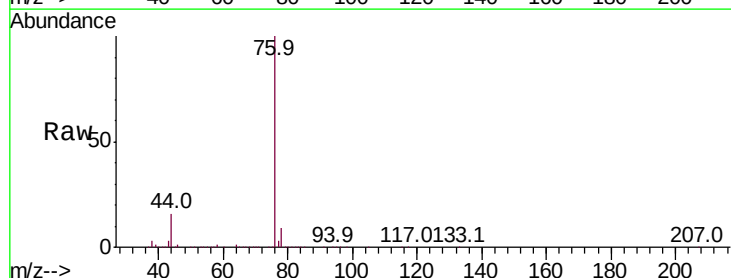
Acq: 13 Sep 2018 18:23

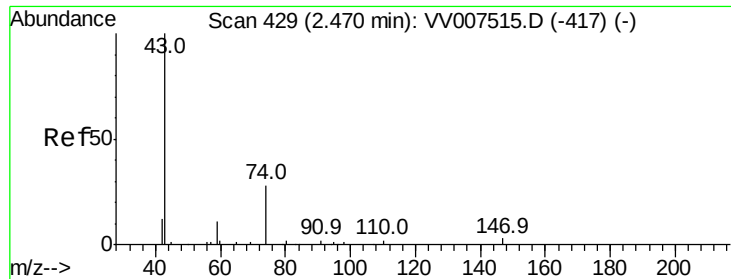
Tgt Ion: 76 Resp: 202998

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

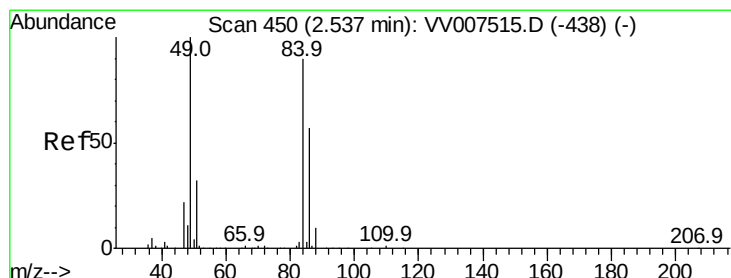
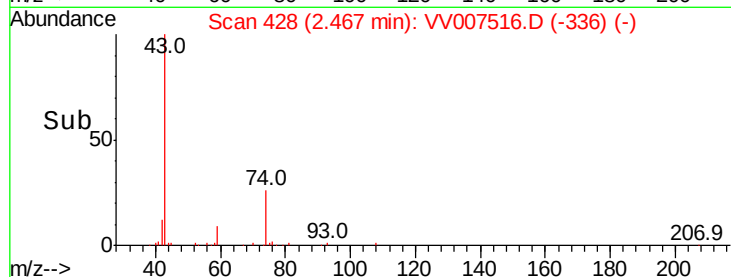
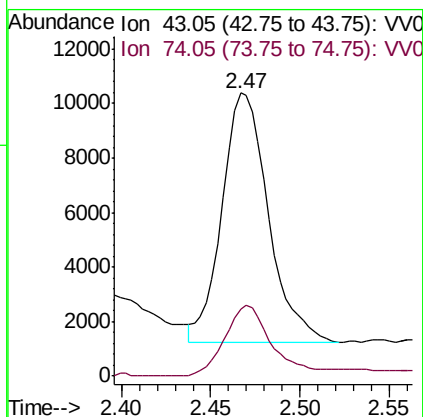
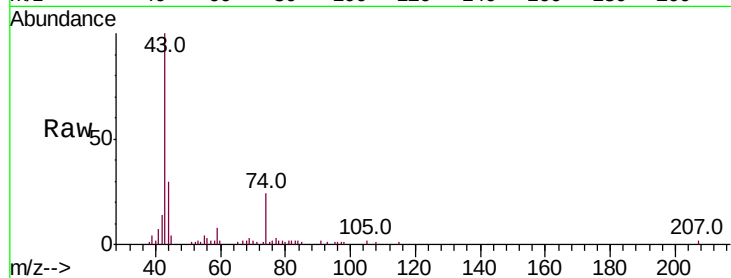




#15
Methvl Acetate
Concen: 6.866 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

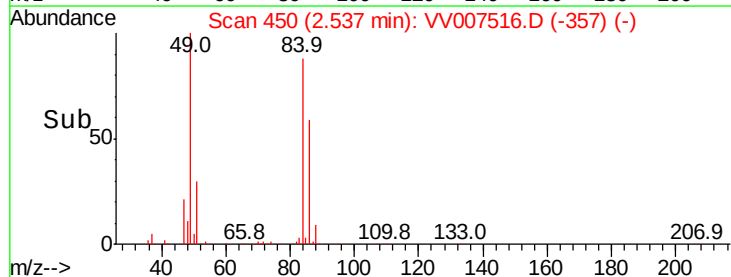
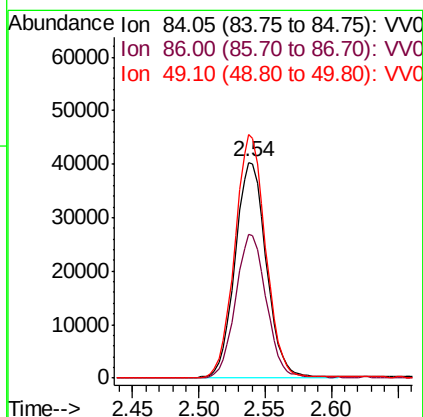
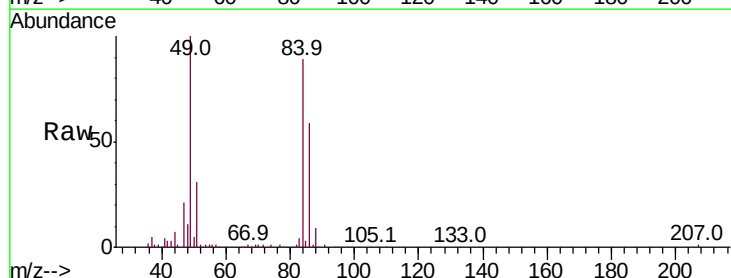
Instrument :
MSVOA_V
ClientSampled :

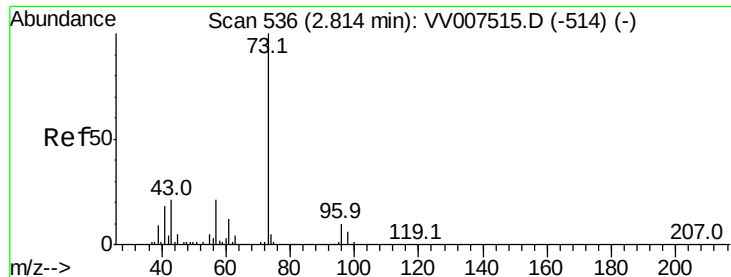
Tot Ion: 43 Resp: 16625
Ion Ratio Lower Upper
43 100
74 29.7 25.4 38.2



#16
Methylene chloride
Concen: 8.628 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Tgt Ion: 84 Resp: 65596
Ion Ratio Lower Upper
84 100
86 66.5 43.7 81.1
49 112.8 76.8 142.6



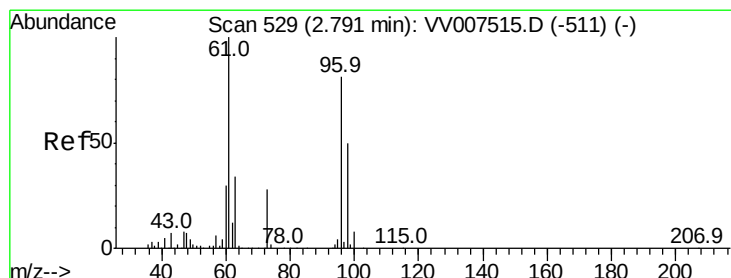
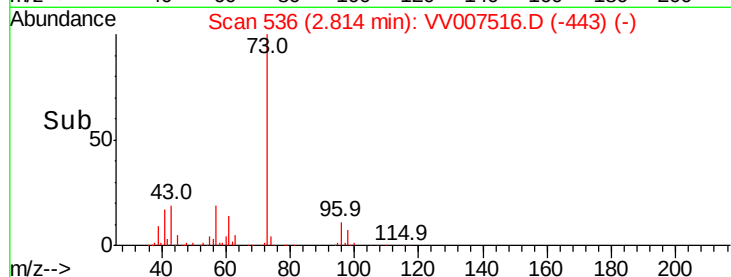
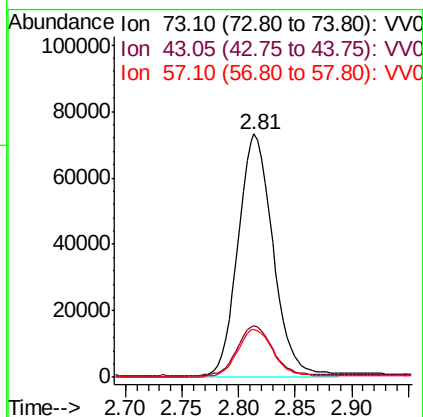
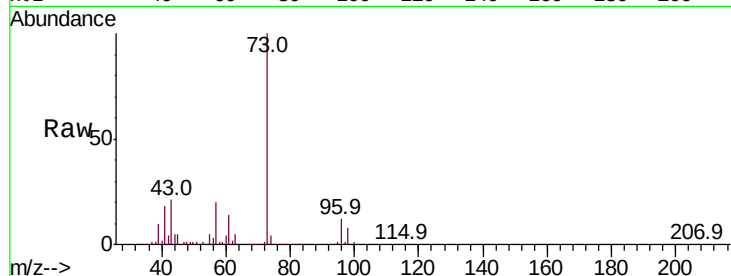


#17

Methyl tert-butyl Ether
 Concen: 8.901 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Instrument :
 MSVOA_V
 ClientSampleId :

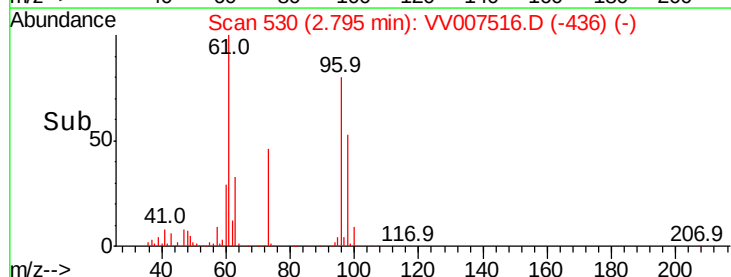
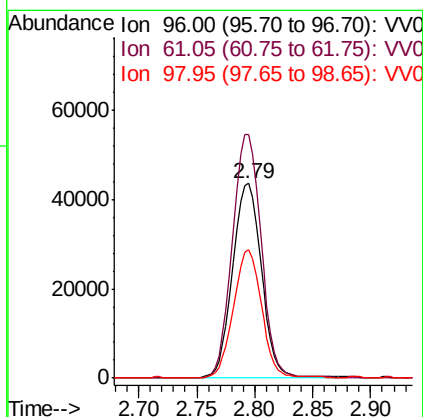
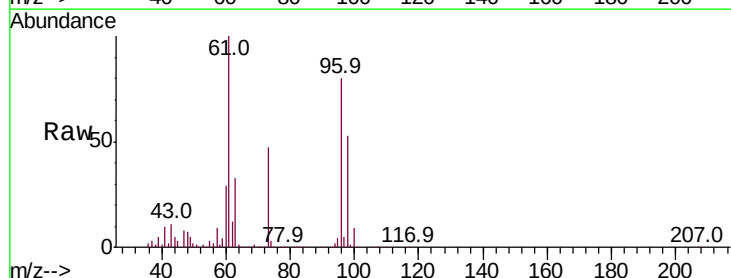
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.8	23.6
57	19.8	15.8	23.6

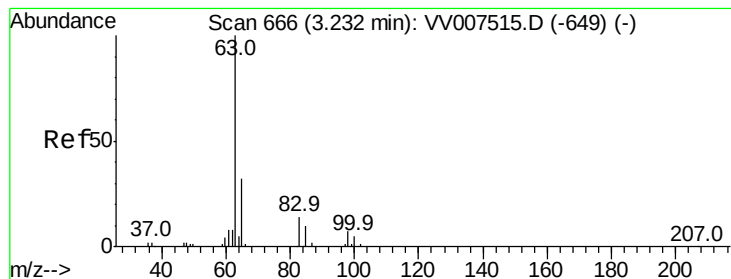


#18

trans-1,2-Dichloroethene
 Concen: 9.671 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.0	86.8	161.2
98	66.1	44.4	82.4





#19

1,1-Dichloroethane

Concen: 8.969 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampleId :

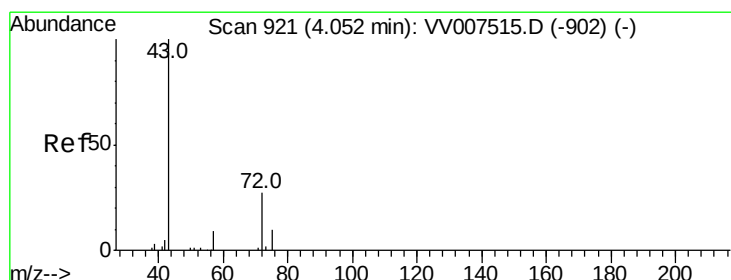
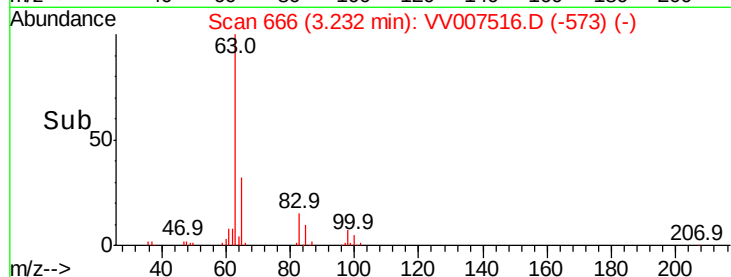
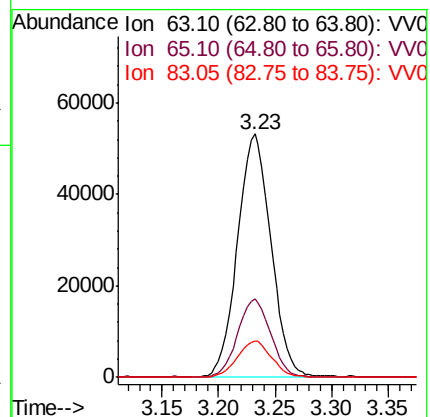
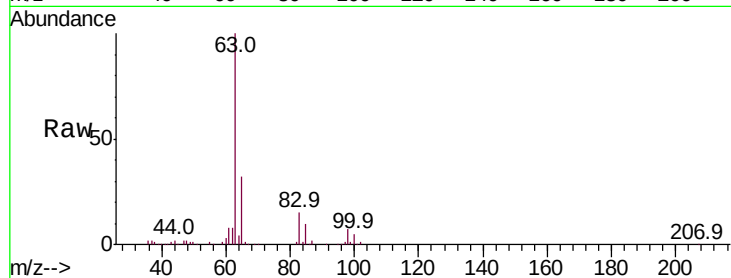
Tot Ion: 63 Resp: 110106

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.9

83 15.0 10.4 19.2



#21

2-Butanone

Concen: 73.773 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VV007516.D

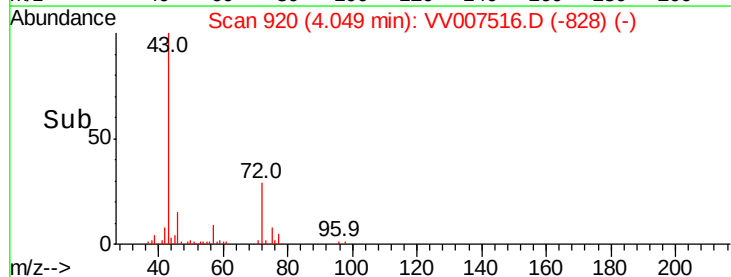
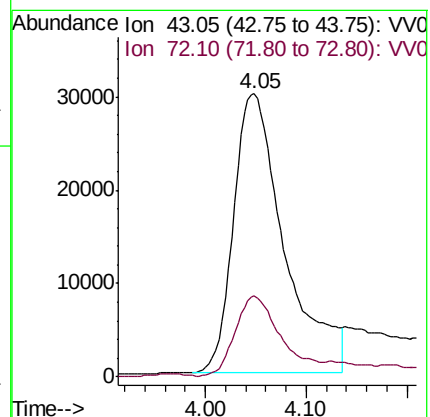
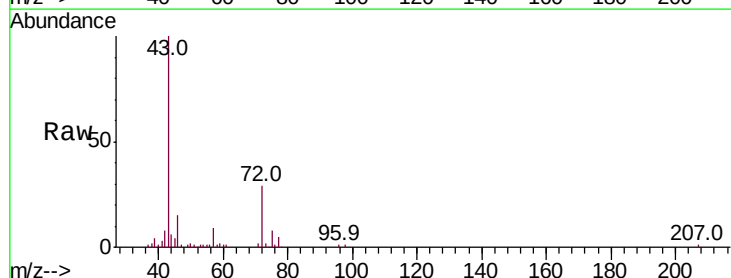
Acq: 13 Sep 2018 18:23

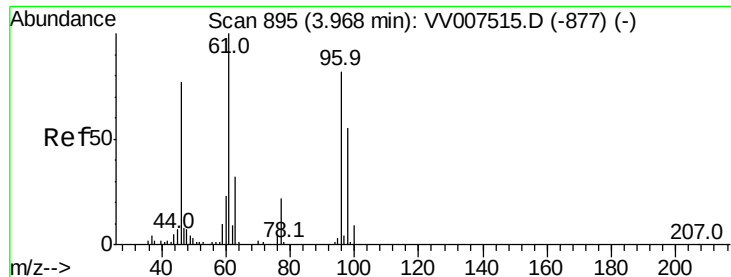
Tgt Ion: 43 Resp: 105187

Ion Ratio Lower Upper

43 100

72 26.7 14.2 42.6



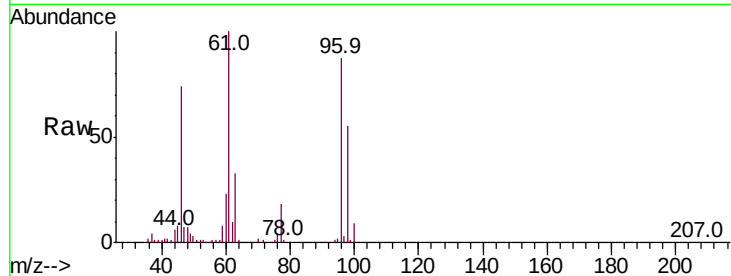


#22

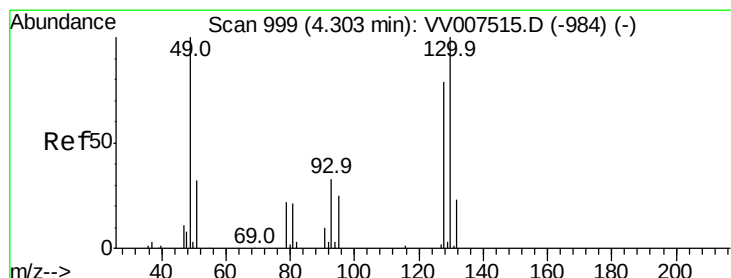
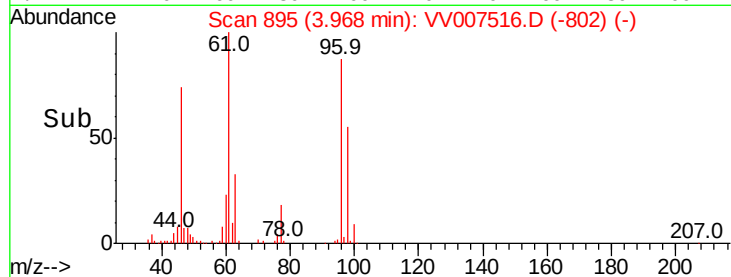
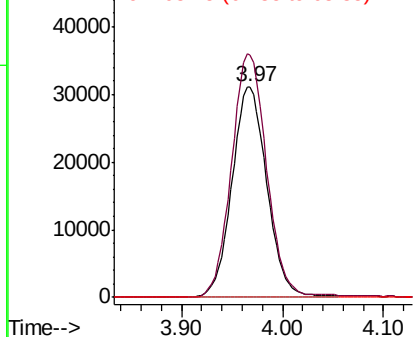
cis-1,2-Dichloroethene
Concen: 10.039 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 74866
Ion Ratio Lower Upper
96 100
61 115.1 85.3 158.5
68 0.0 0.0 0.0



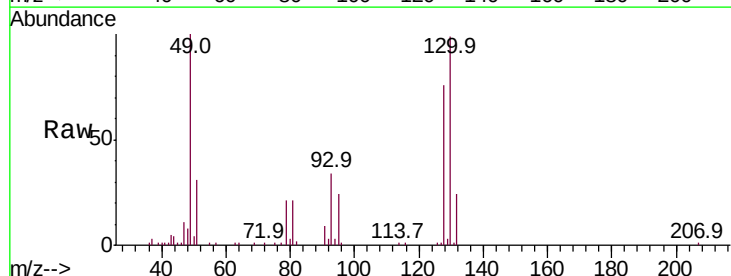
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



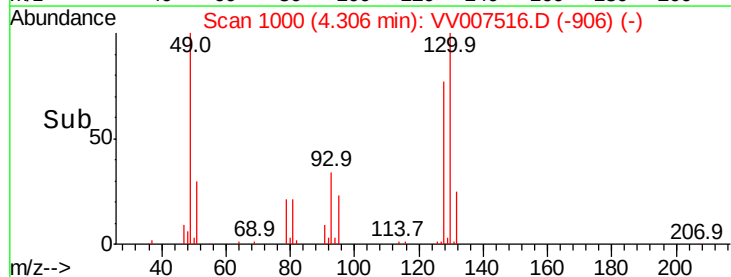
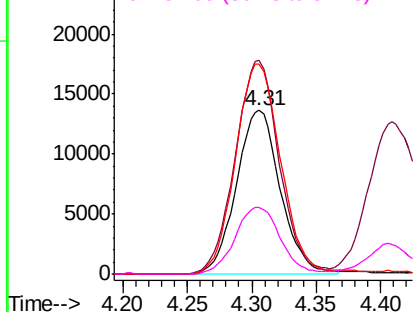
#23

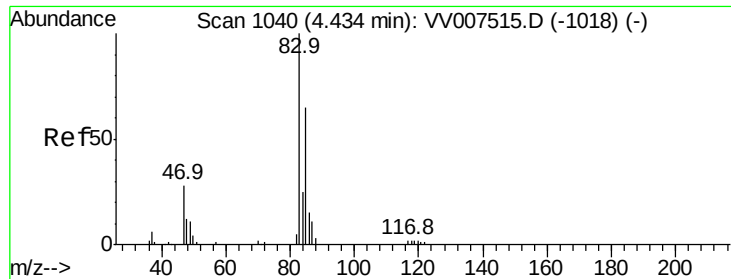
Bromochloromethane
Concen: 9.081 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Tgt Ion: 128 Resp: 32303
Ion Ratio Lower Upper
128 100
49 130.7 89.0 165.2
130 128.8 88.8 165.0
51 40.5 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

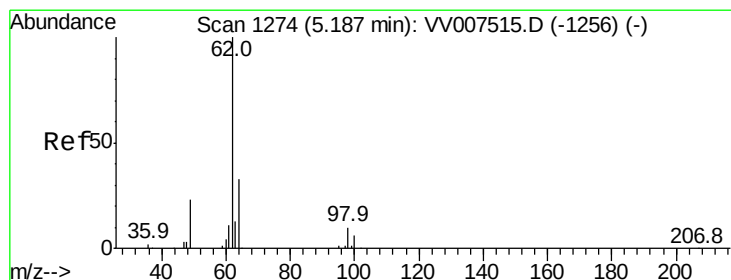
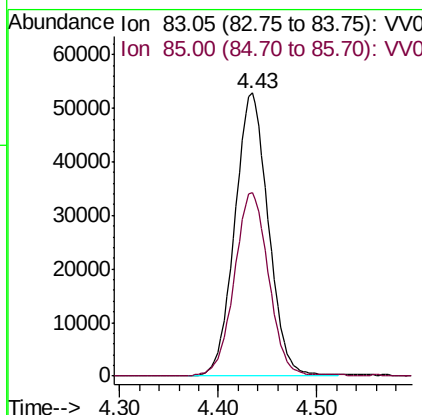
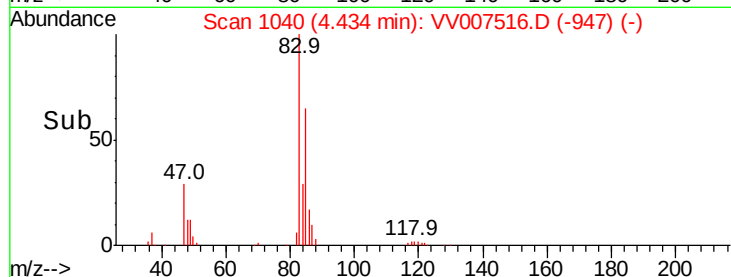
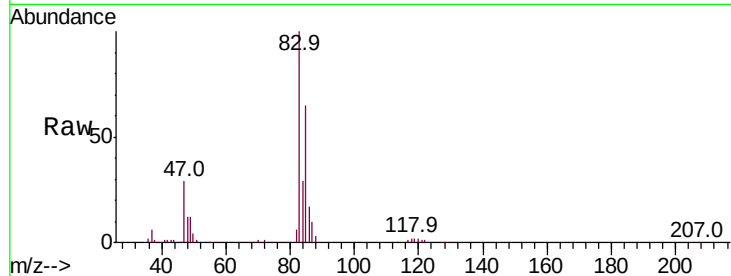




#25
Chloroform
Concen: 9.797 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

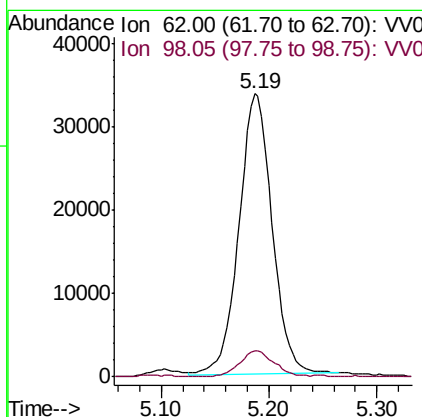
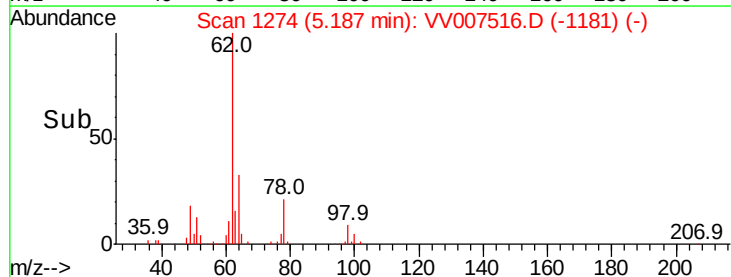
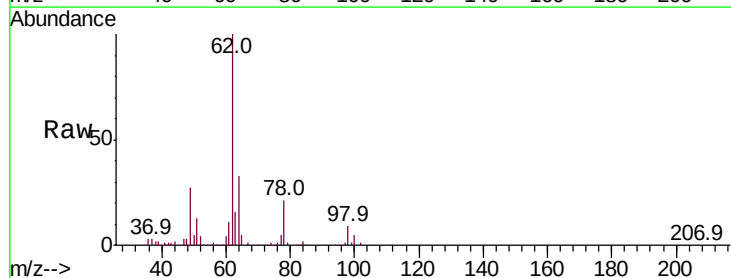
Instrument :
MSVOA_V
ClientSampled :

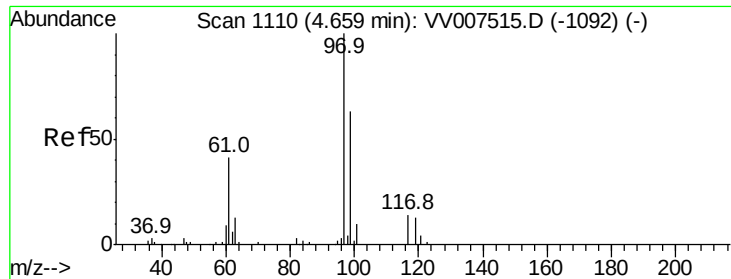
Tot Ion: 83 Resp: 124963
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 9.131 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Tgt Ion: 62 Resp: 72198
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4

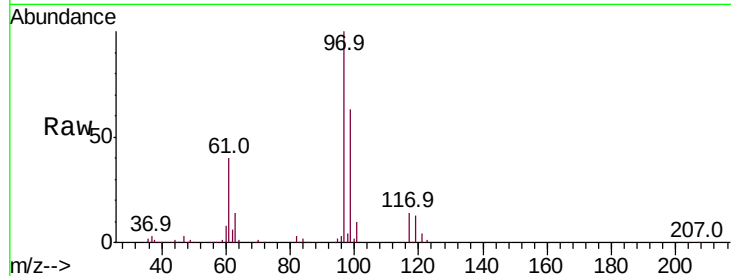




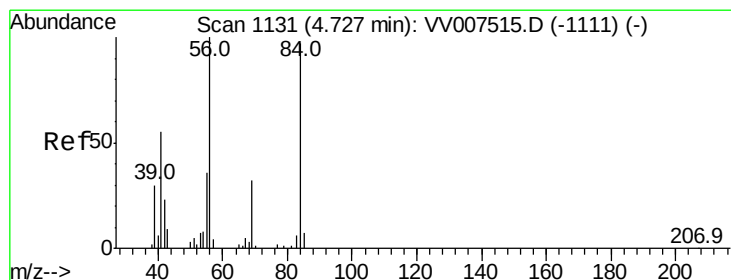
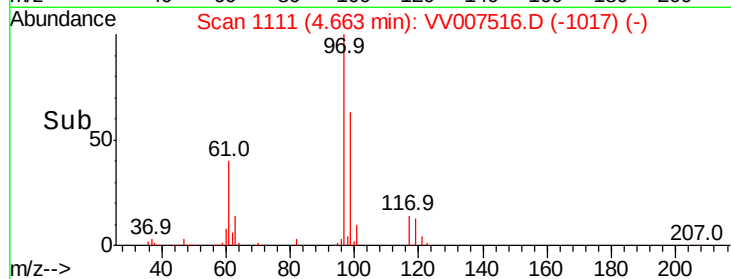
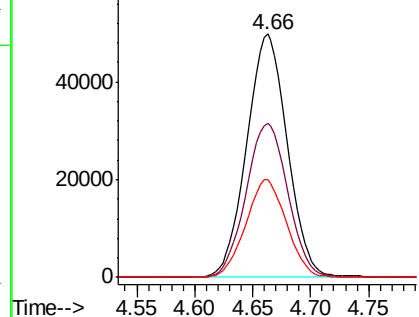
#29
 1,1,1-Trichloroethane
 Concen: 9.610 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 121369
 Ion Ratio Lower Upper
 97 100
 99 65.2 50.7 76.1
 61 40.3 32.5 48.7

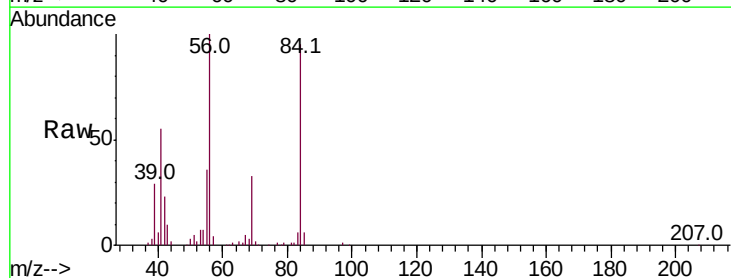


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

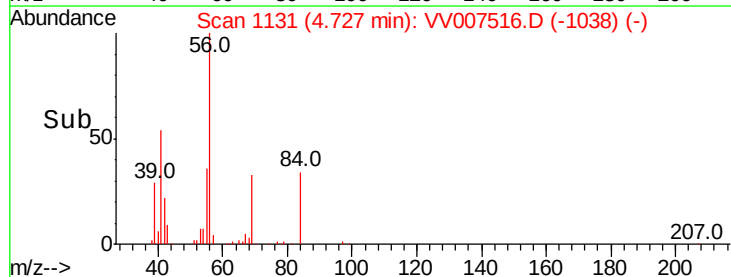
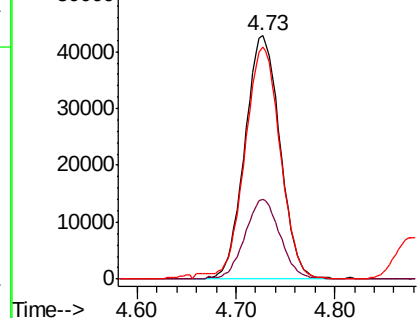


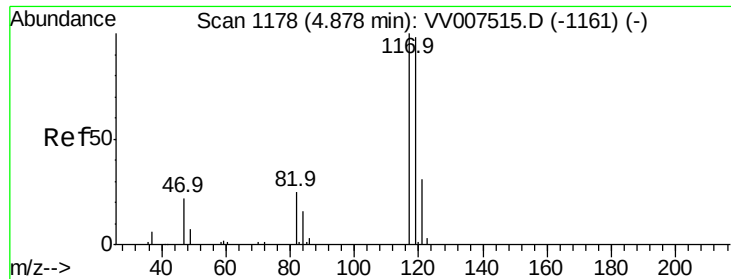
#30
 Cyclohexane
 Concen: 9.448 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Tgt Ion: 56 Resp: 105441
 Ion Ratio Lower Upper
 56 100
 69 31.8 26.1 39.1
 84 96.6 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: 9.845 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

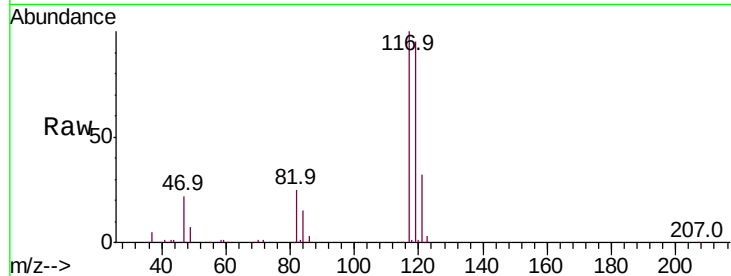
ClientSampleId :

Tot Ion:117 Resp: 114525

Ion Ratio Lower Upper

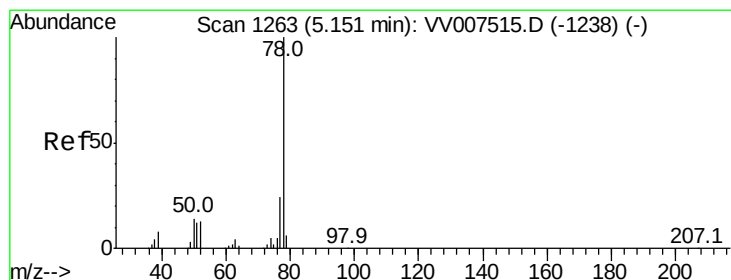
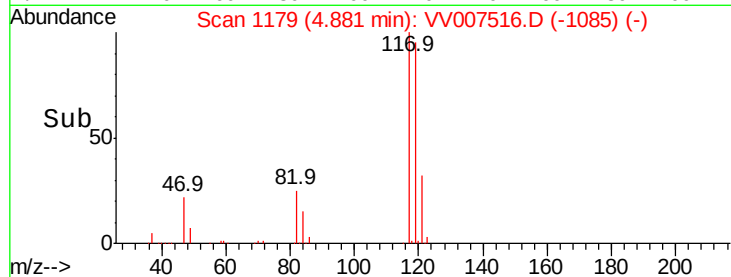
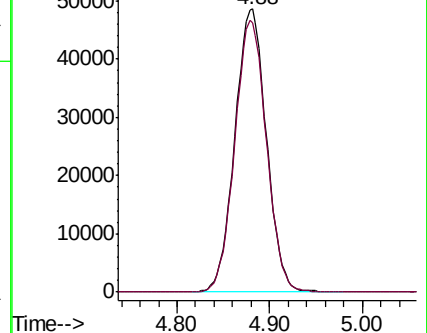
117 100

119 96.7 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.735 ug/L

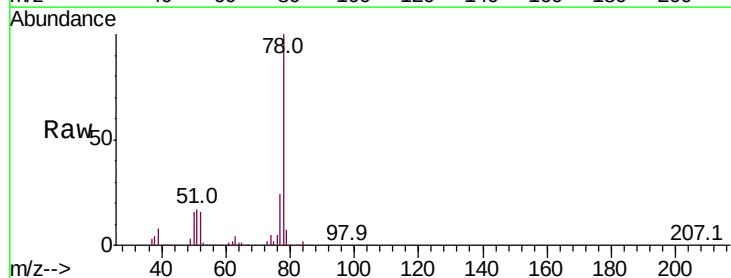
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

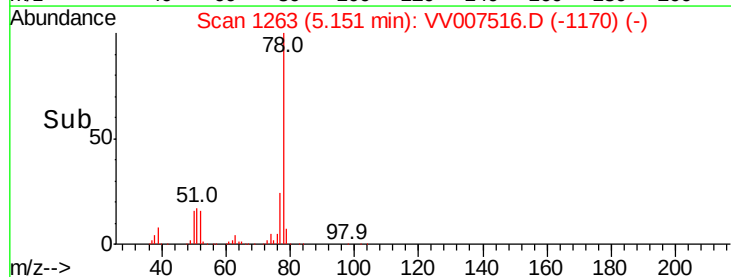
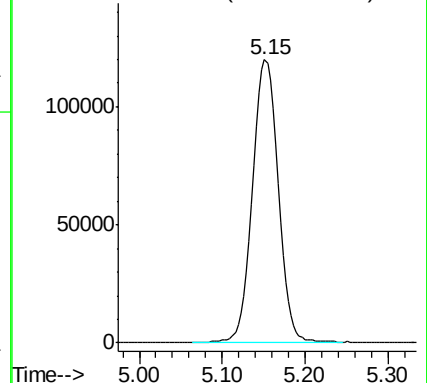
Lab File: VV007516.D

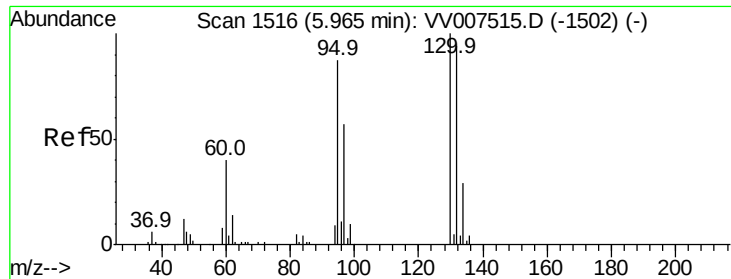
Acq: 13 Sep 2018 18:23

Tgt Ion: 78 Resp: 260667



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.723 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 79066

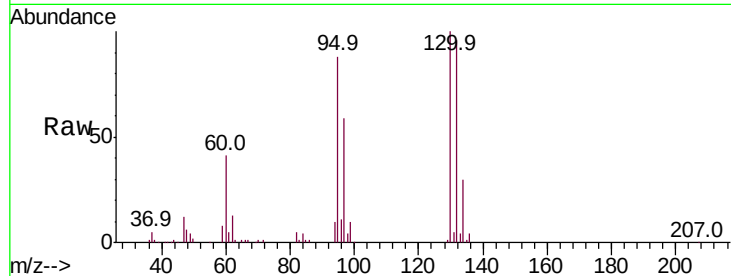
Ion Ratio Lower Upper

95 100

97 66.4 45.5 84.5

132 108.8 74.9 139.1

130 113.2 80.0 148.6

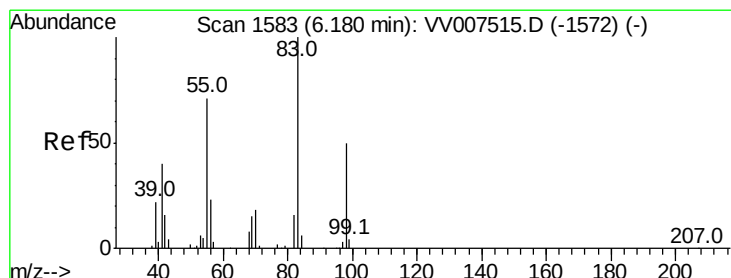
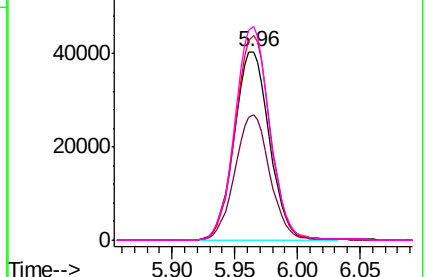
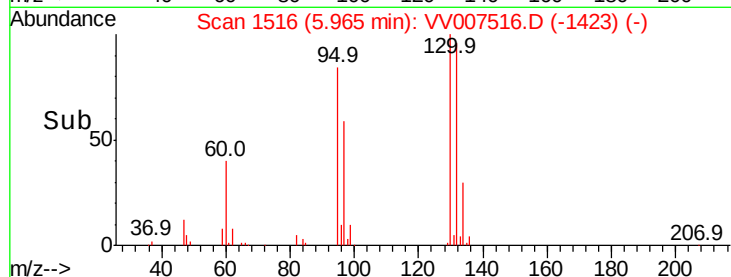


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.948 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

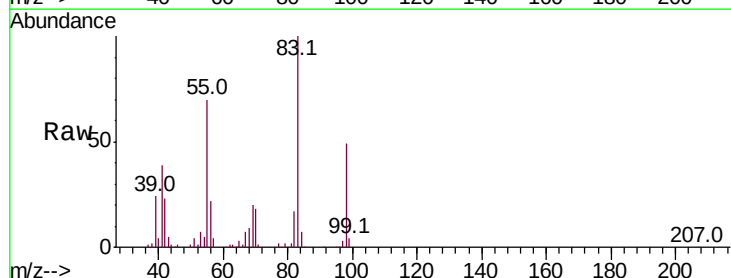
Tgt Ion: 83 Resp: 125003

Ion Ratio Lower Upper

83 100

55 70.1 55.0 82.4

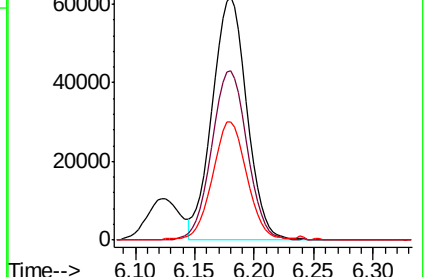
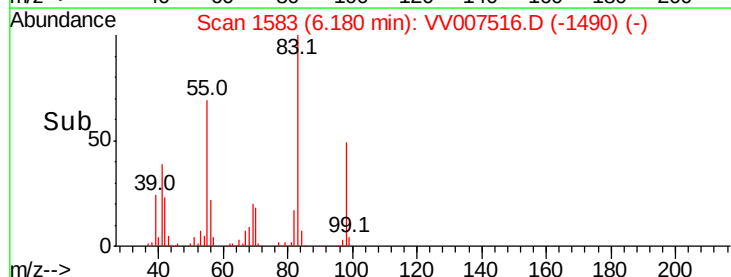
98 48.7 37.6 56.4

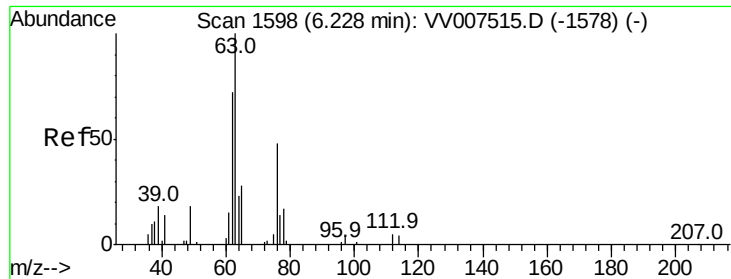


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

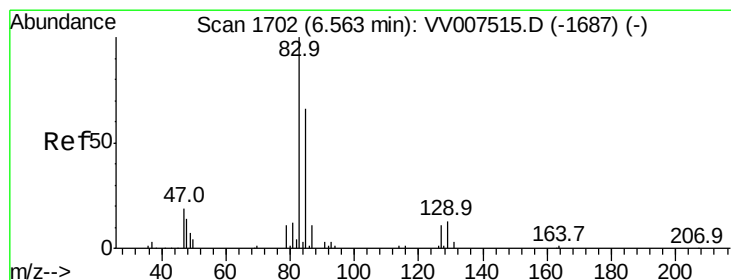
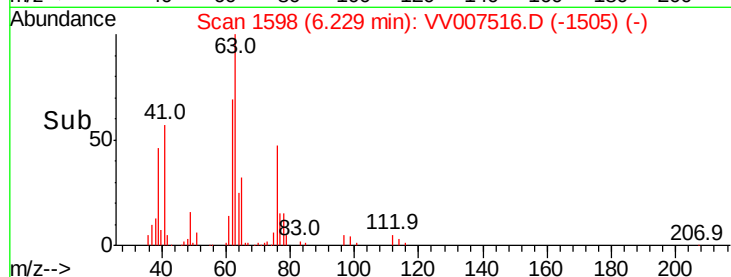
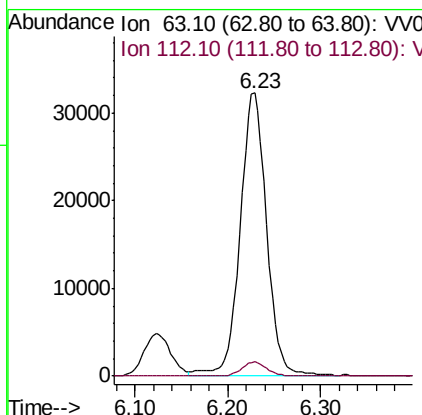
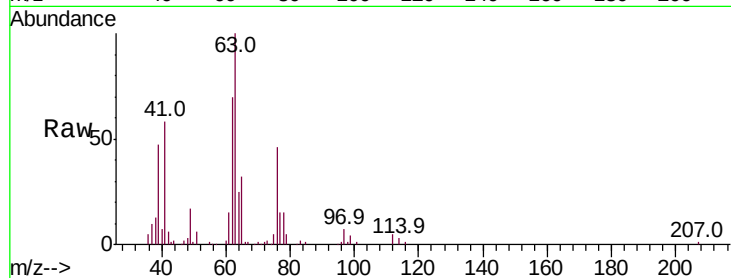




#37
 1,2-Dichloropropane
 Concen: 9.498 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

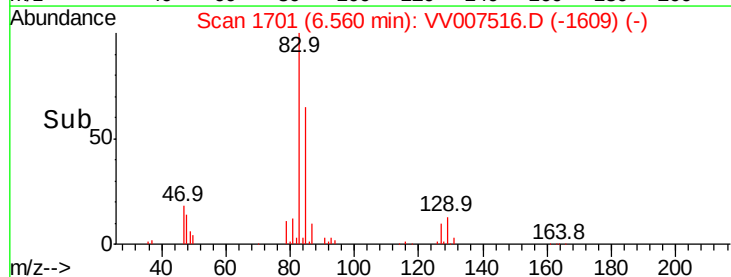
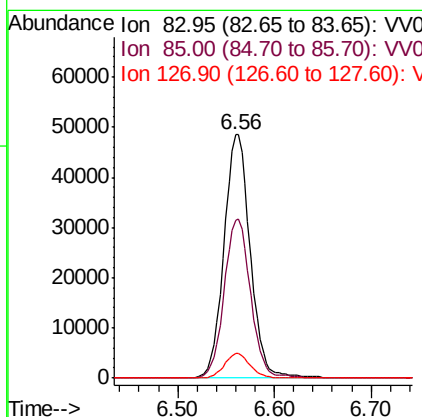
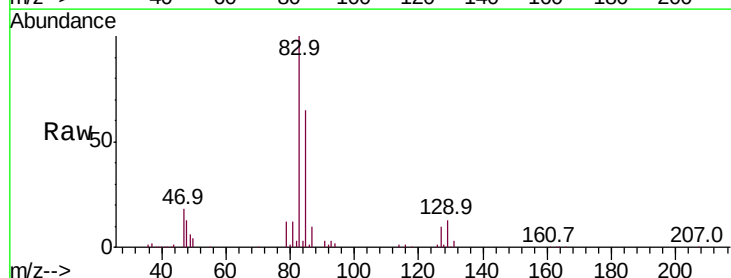
Instrument :
 MSVOA_V
 ClientSampleId :

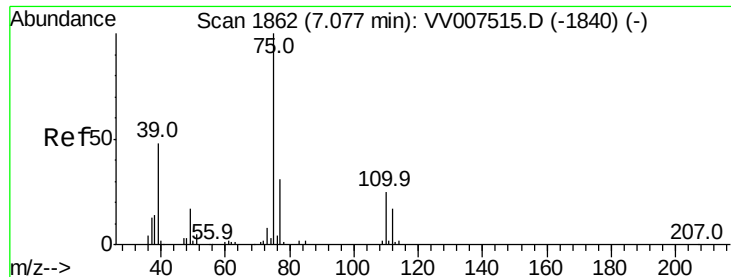
Tot Ion: 63 Resp: 63537
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.1 6.1



#38
 Bromodichloromethane
 Concen: 9.549 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Tgt Ion: 83 Resp: 91480
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.4 86.2
 127 10.0 8.4 12.6



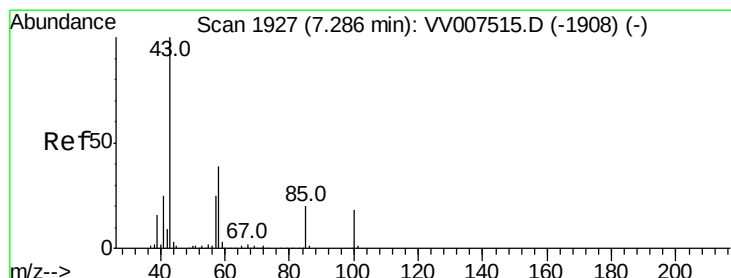
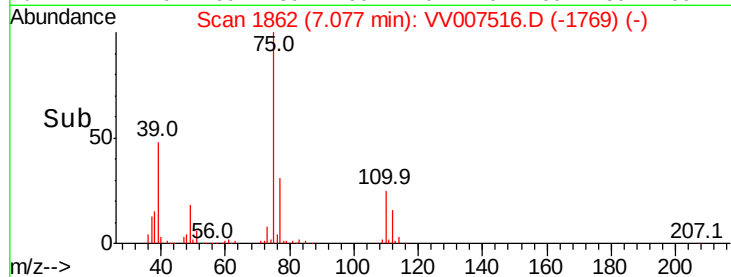
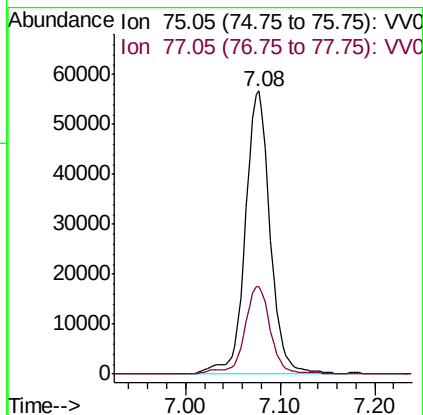
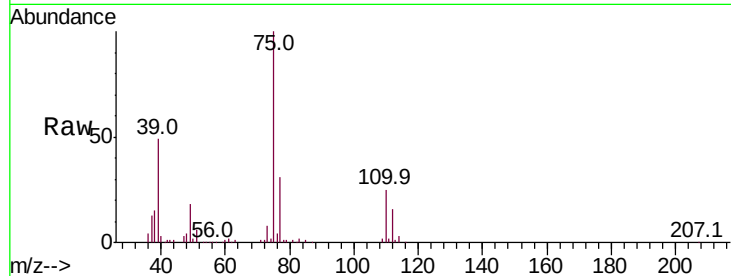


#39

cis-1,3-Dichloropropene
Concen: 9.565 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Instrument :
MSVOA_V
ClientSampleId :

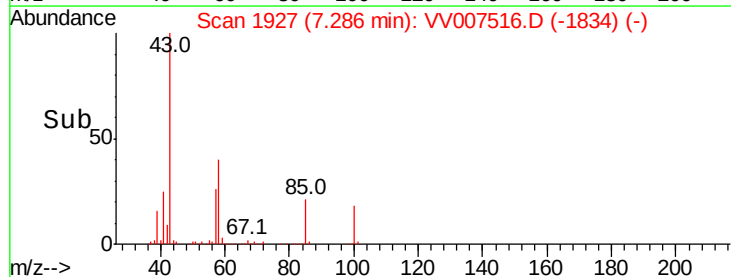
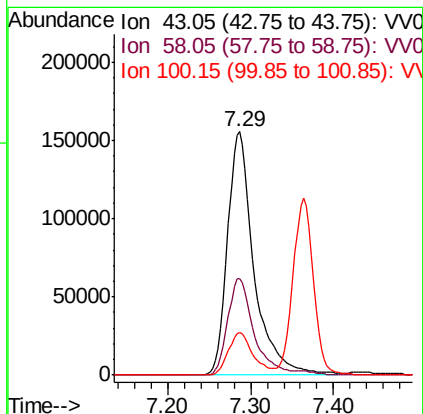
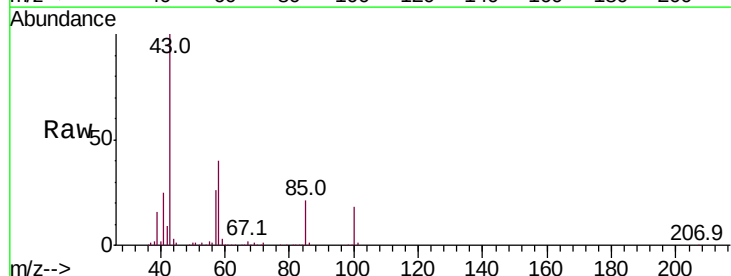
Tot Ion: 75 Resp: 103715
Ion Ratio Lower Upper
75 100
77 31.0 22.0 41.0

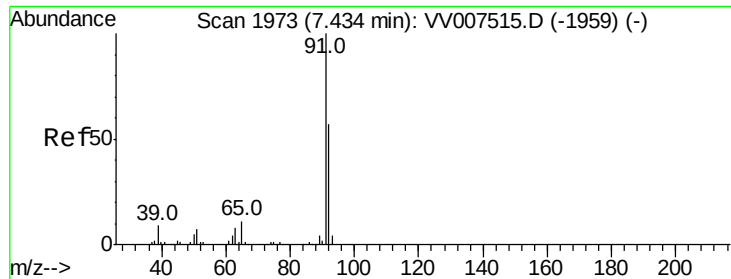


#40

4-Methyl-2-pentanone
Concen: 89.404 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.00 min
Lab File: VV007516.D
Acq: 13 Sep 2018 18:23

Tgt Ion: 43 Resp: 343239
Ion Ratio Lower Upper
43 100
58 40.7 32.6 49.0
100 16.7 13.5 20.3





#42

Toluene

Concen: 10.034 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

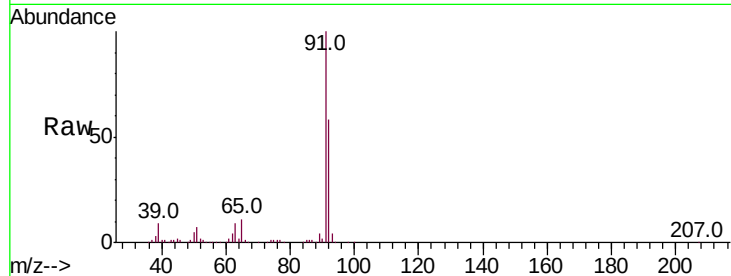
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 299587

Ion Ratio Lower Upper

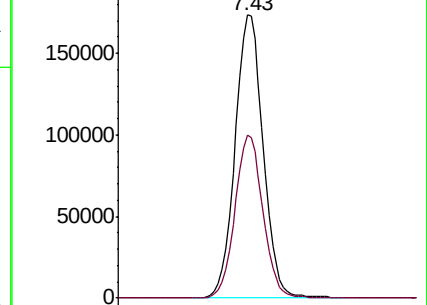
91 100

92 57.5 40.3 74.8

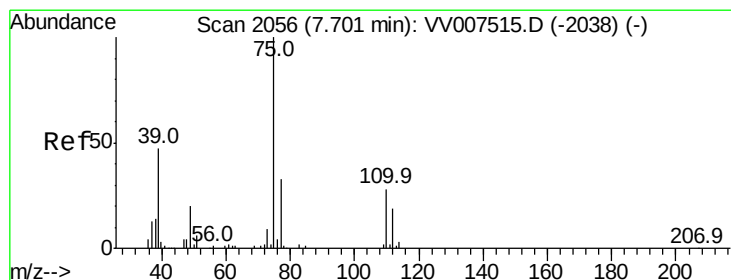
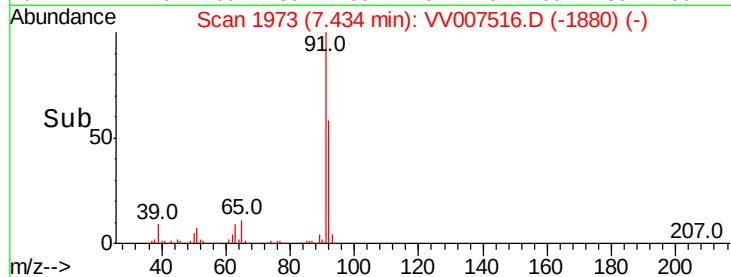


Abundance Ion 91.15 (90.85 to 91.85): VV007516.D (-1880) (-)

Ion 92.15 (91.85 to 92.85): VV007516.D (-1880) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.142 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007516.D

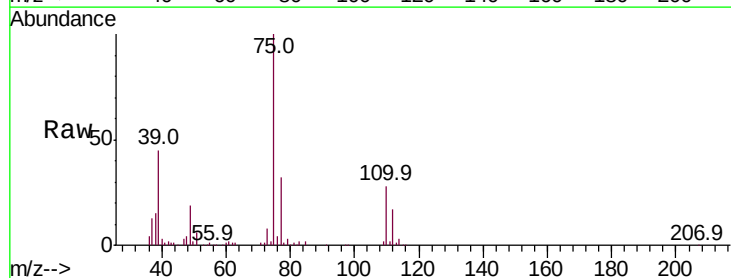
Acq: 13 Sep 2018 18:23

Tgt Ion: 75 Resp: 82995

Ion Ratio Lower Upper

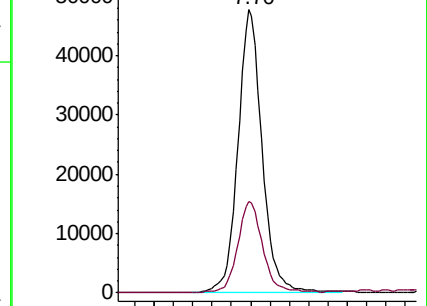
75 100

77 32.5 23.4 43.4

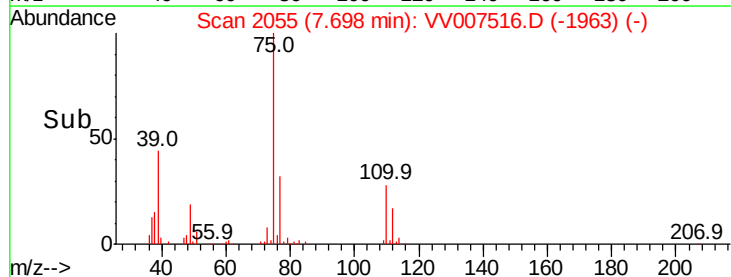


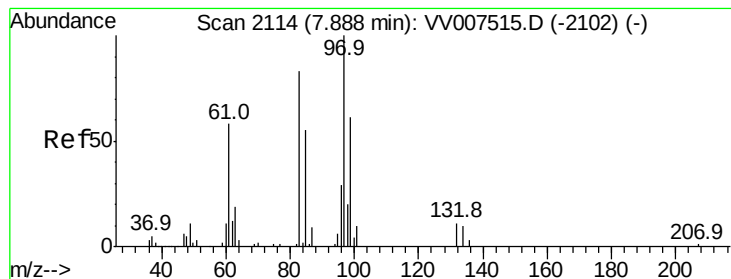
Abundance Ion 75.05 (74.75 to 75.75): VV007516.D (-1963) (-)

Ion 77.05 (76.75 to 77.75): VV007516.D (-1963) (-)



Time-->





#45

1,1,2-Trichloroethane

Concen: 9.113 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 47015

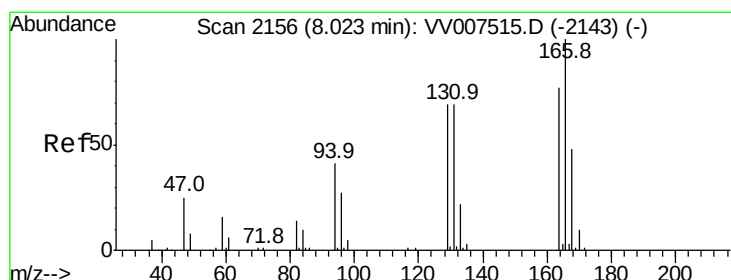
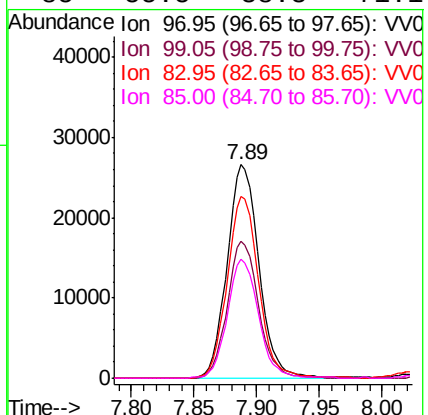
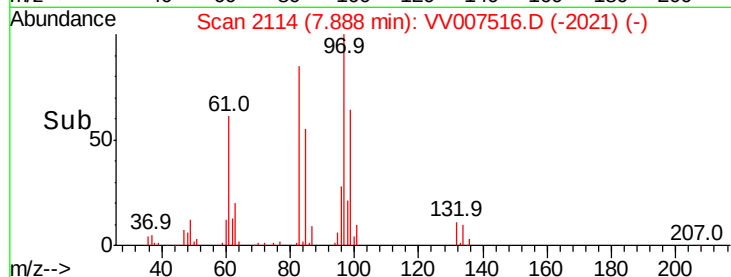
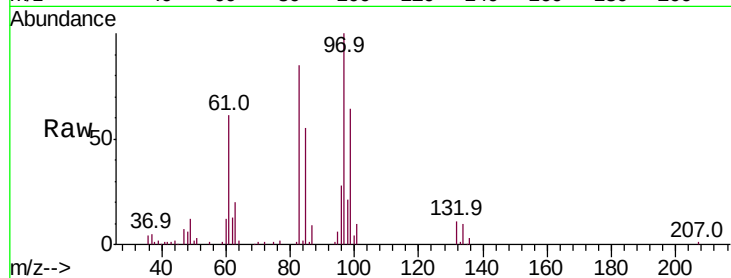
Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.9	79.7
83	85.2	58.1	107.9
85	55.5	38.3	71.1

97 100

99 64.2 42.9 79.7

83 85.2 58.1 107.9

85 55.5 38.3 71.1



#47

Tetrachloroethene

Concen: 10.378 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Tgt Ion: 164 Resp: 72725

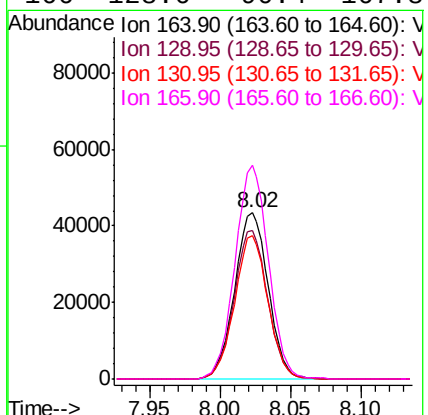
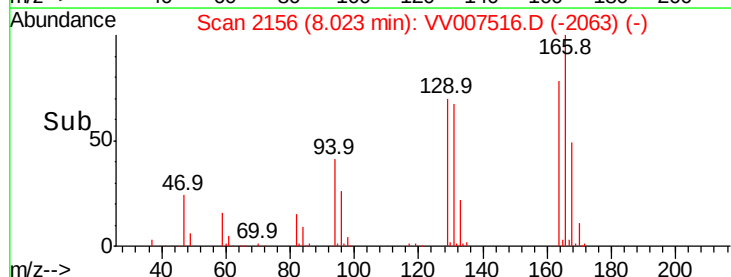
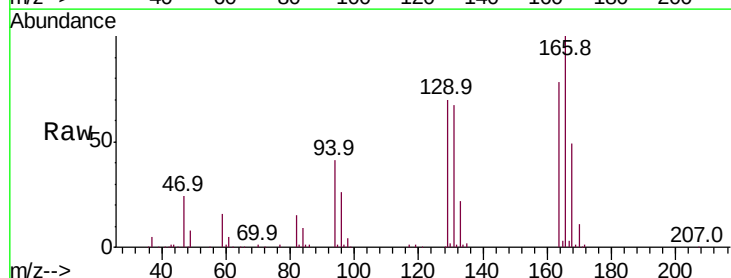
Ion	Ratio	Lower	Upper
164	100		
129	89.7	61.9	115.1
131	86.6	62.1	115.3
166	128.6	90.4	167.8

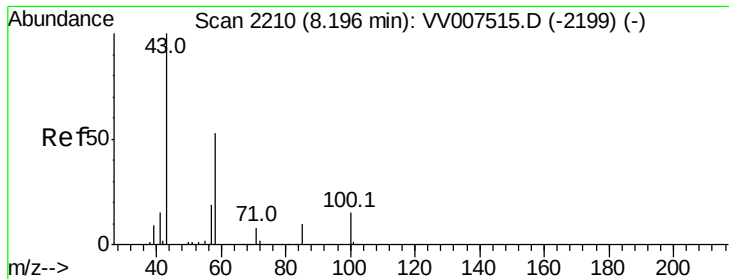
164 100

129 89.7 61.9 115.1

131 86.6 62.1 115.3

166 128.6 90.4 167.8





#48

2-Hexanone

Concen: 96.755 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 269695

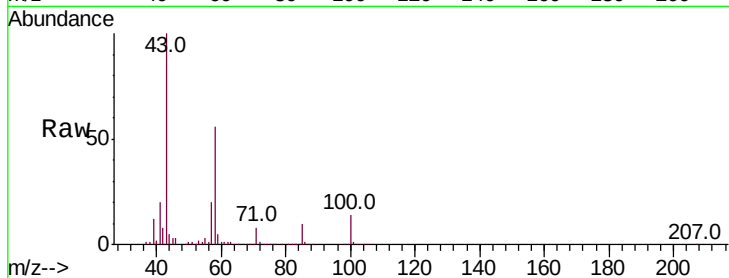
Ion Ratio Lower Upper

43 100

58 57.0 49.8 74.6

57 20.3 18.2 27.4

100 12.9 11.0 16.4

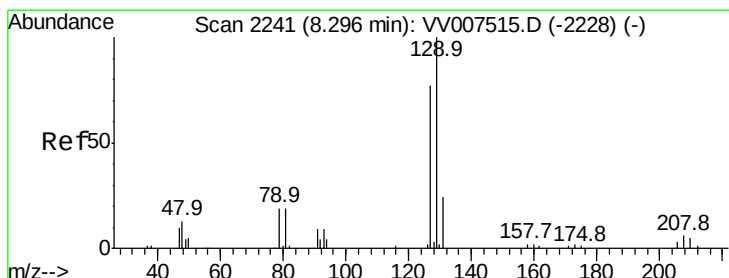
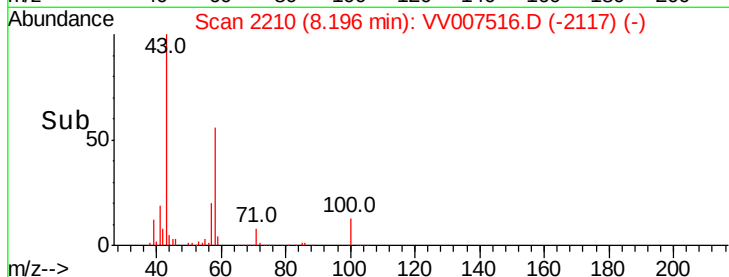
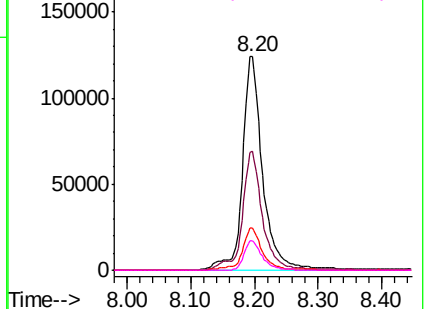


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 9.787 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VV007516.D

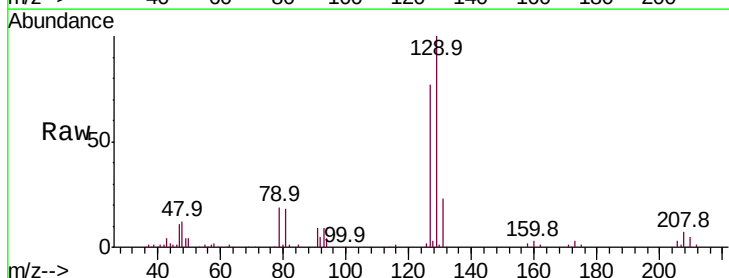
Acq: 13 Sep 2018 18:23

Tgt Ion: 129 Resp: 69520

Ion Ratio Lower Upper

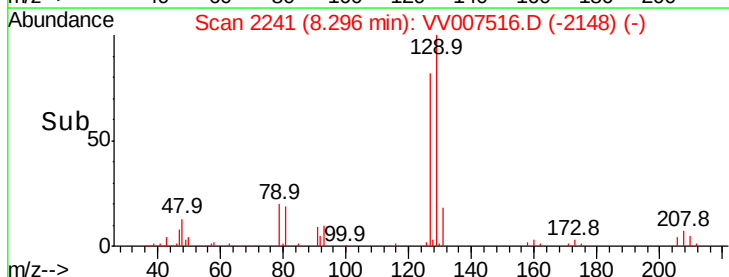
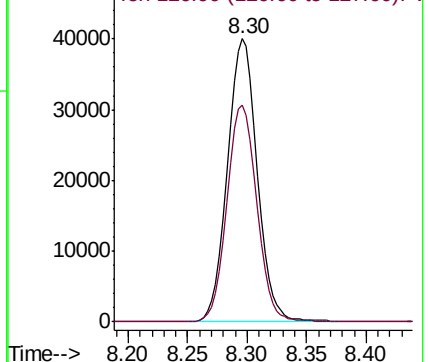
129 100

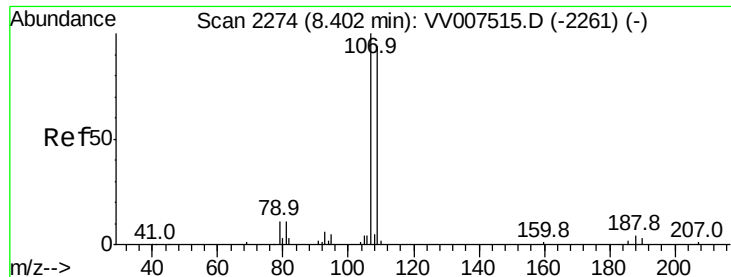
127 76.7 53.8 100.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

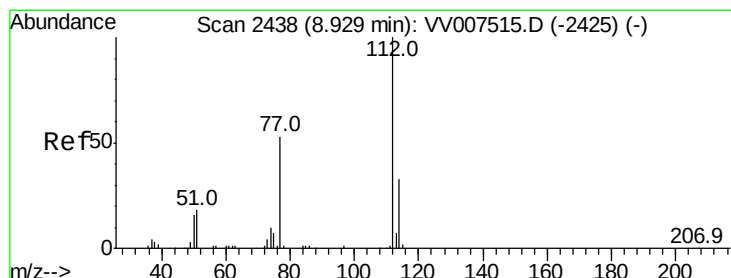
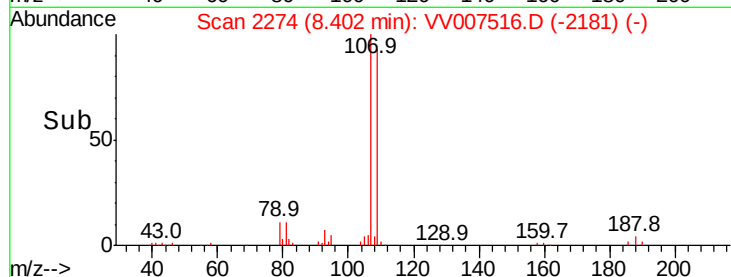
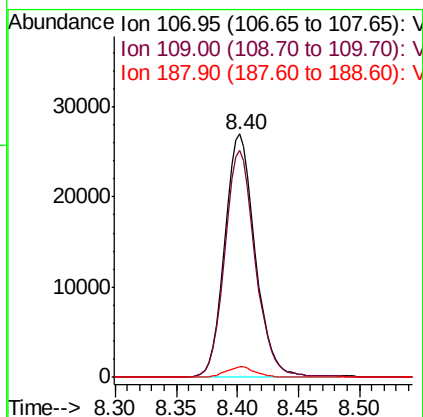
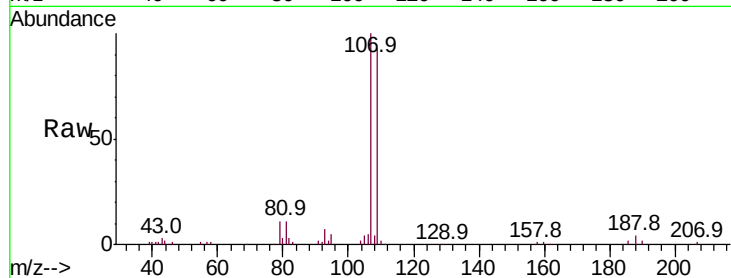




#50
 1,2-Dibromoethane
 Concen: 9.429 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

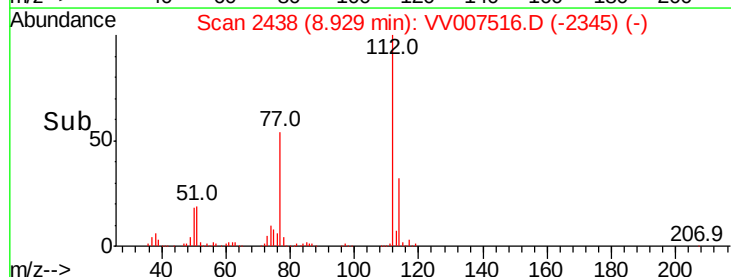
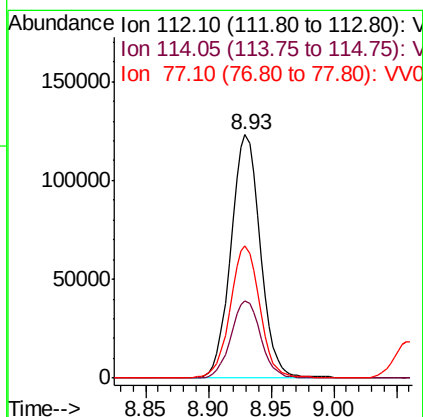
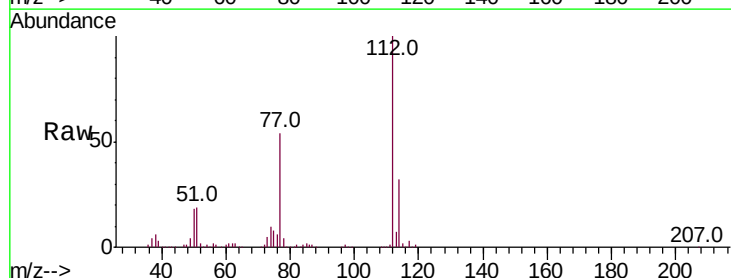
Instrument :
 MSVOA_V
 ClientSampled :

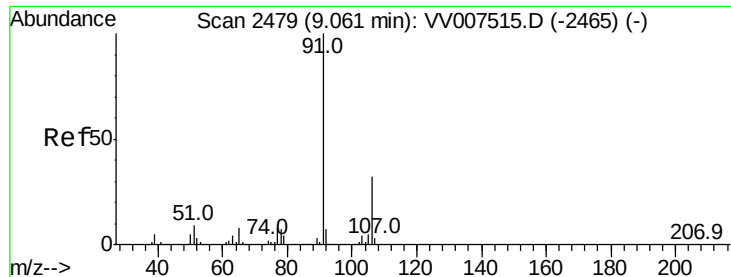
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	66.0	122.6
188	4.4	3.3	4.9



#51
 Chlorobenzene
 Concen: 9.858 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.8	42.4
77	54.4	43.2	64.8





#52

Ethylbenzene

Concen: 10.018 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

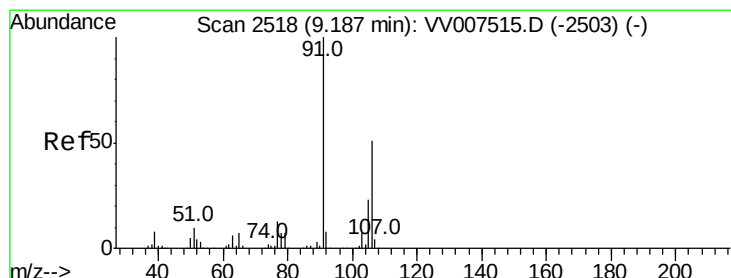
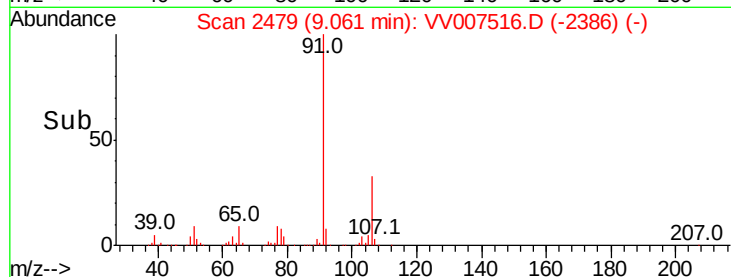
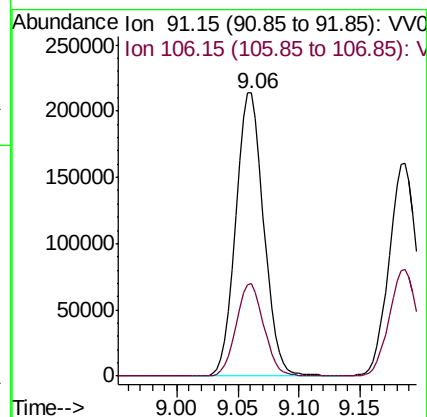
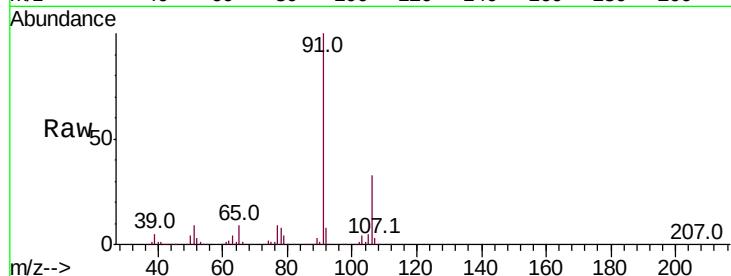
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 342059

Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



#53

m,p-xylene

Concen: 9.884 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007516.D

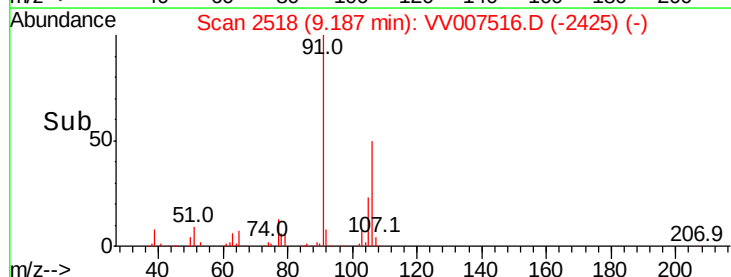
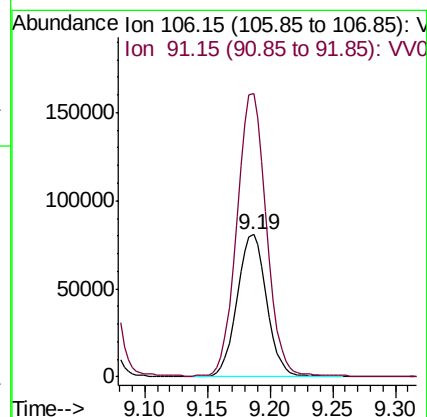
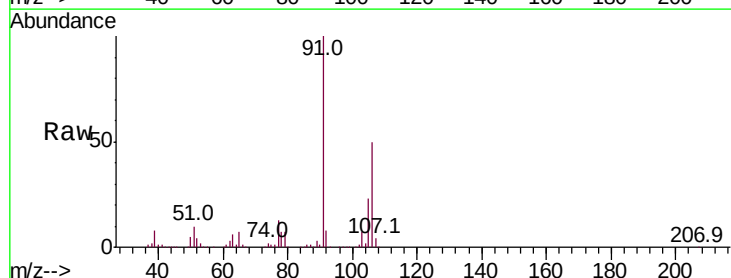
Acq: 13 Sep 2018 18:23

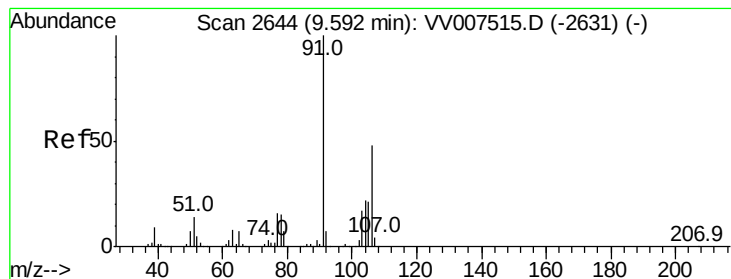
Tgt Ion:106 Resp: 131868

Ion Ratio Lower Upper

106 100

91 198.6 137.2 254.8





#54

o-xylene

Concen: 9.933 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

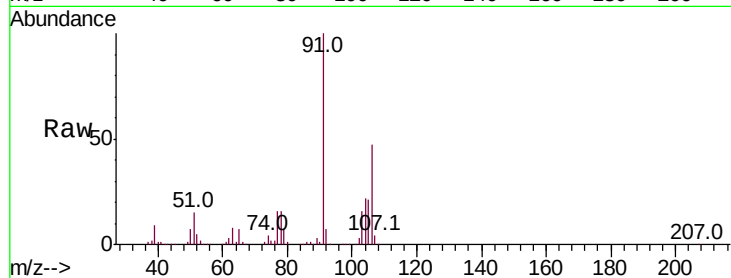
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 128934

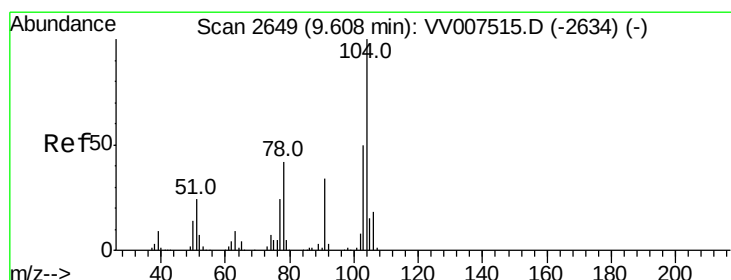
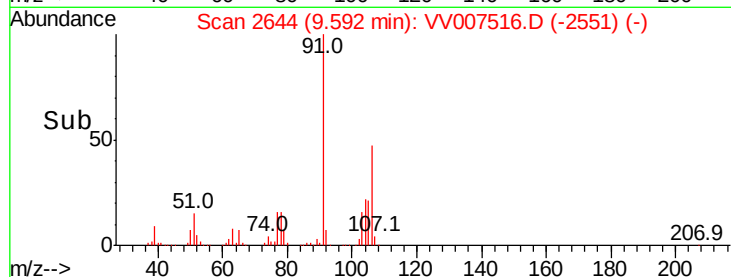
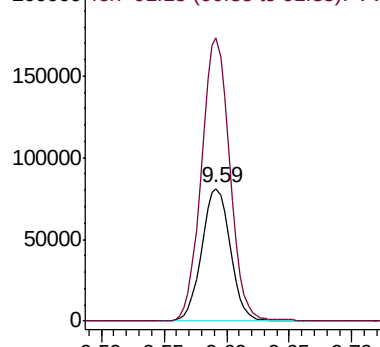
Ion Ratio Lower Upper

106 100

91 213.1 147.6 274.0



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



#55

Styrene

Concen: 10.110 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007516.D

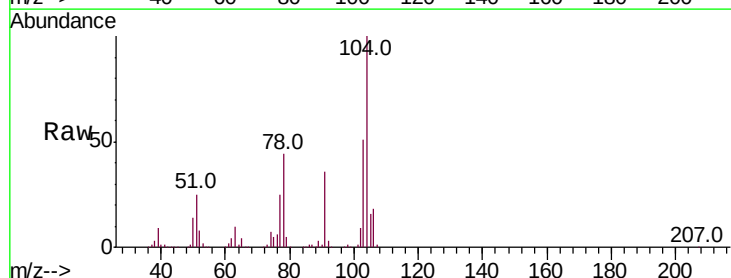
Acq: 13 Sep 2018 18:23

Tgt Ion:104 Resp: 215387

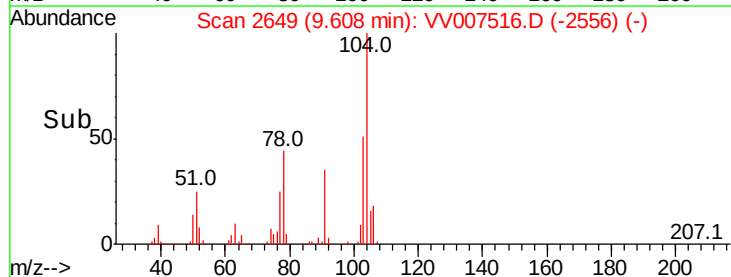
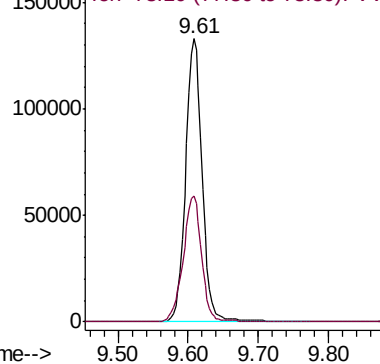
Ion Ratio Lower Upper

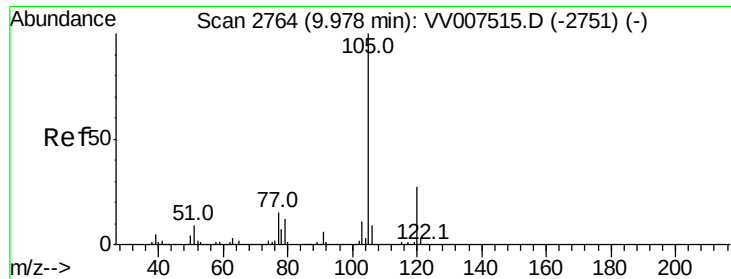
104 100

78 44.4 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: 10.028 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampleId :

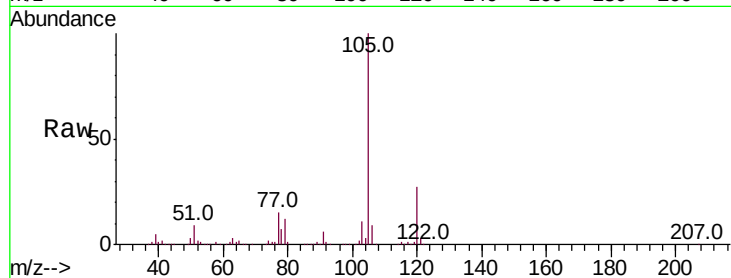
Tot Ion:105 Resp: 350591

Ion Ratio Lower Upper

105 100

120 27.5 22.2 33.2

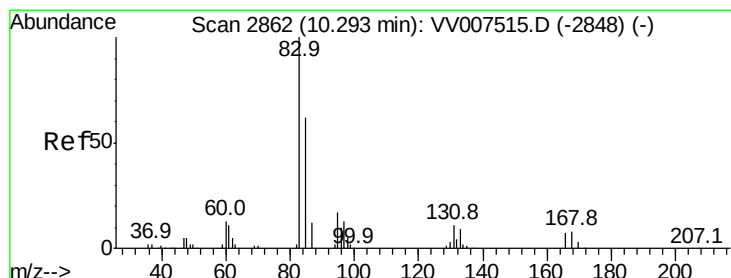
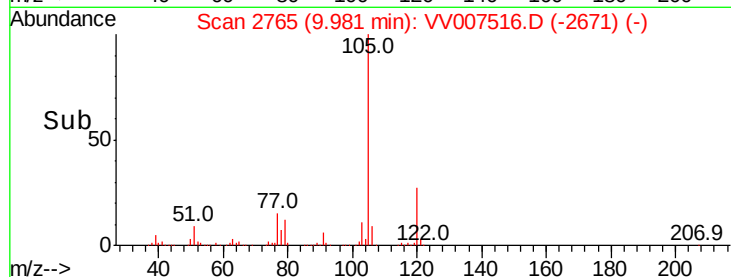
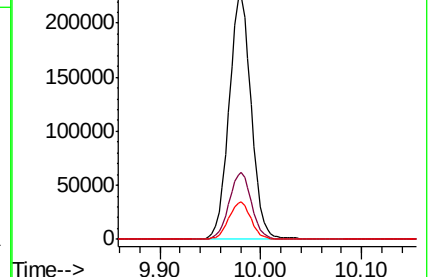
77 15.3 12.2 18.4



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: 8.801 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

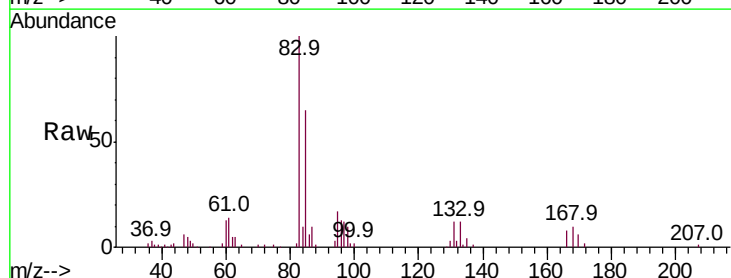
Tgt Ion: 83 Resp: 48313

Ion Ratio Lower Upper

83 100

85 65.4 43.6 81.0

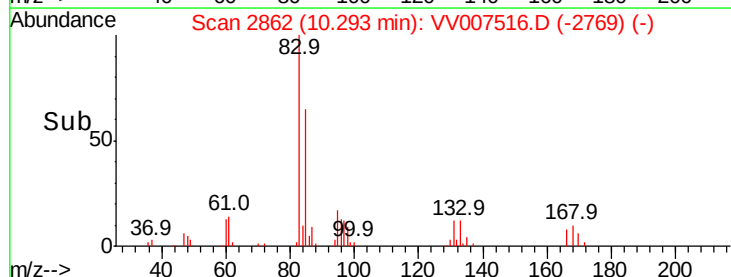
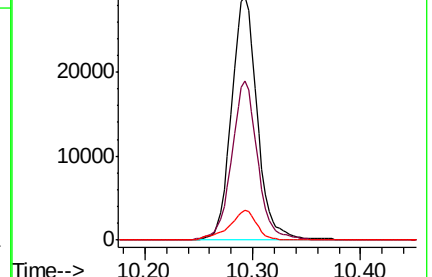
131 12.1 9.2 13.8

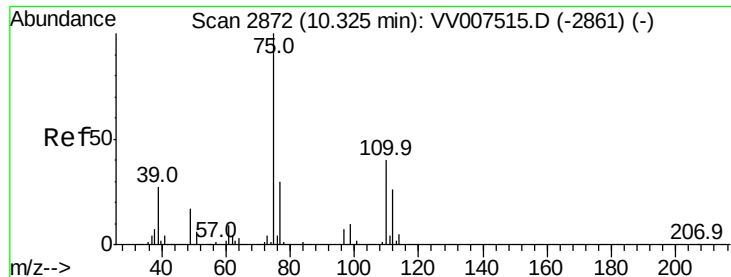


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.798 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

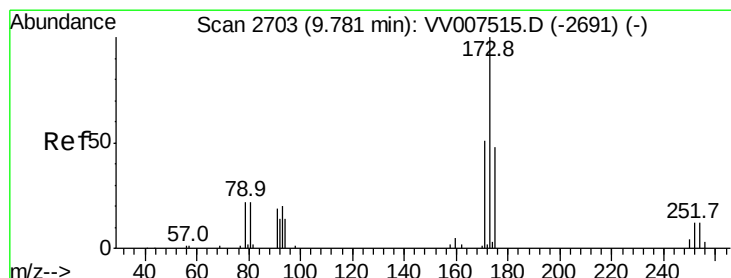
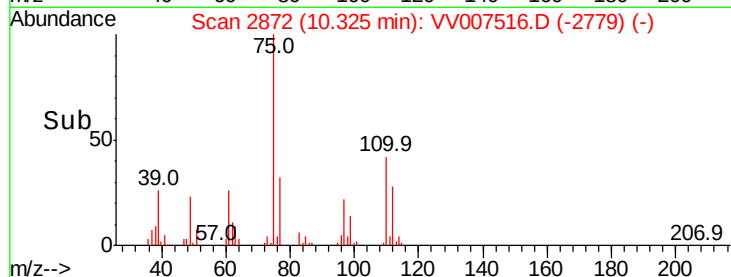
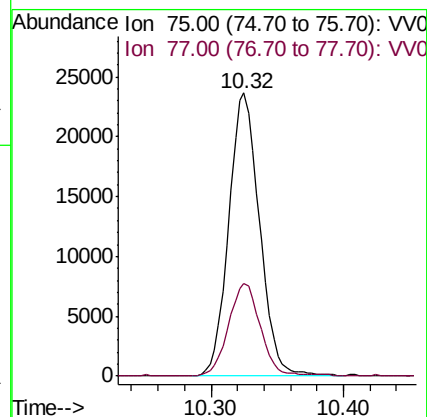
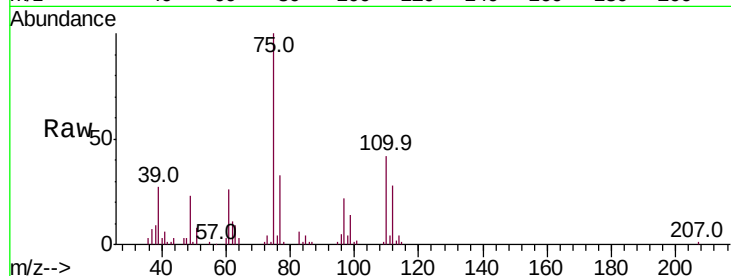
ClientSampleId :

Tot Ion: 75 Resp: 38180

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.6



#61

Bromoform

Concen: 9.367 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

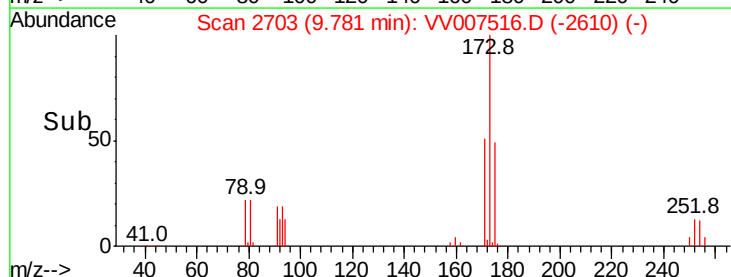
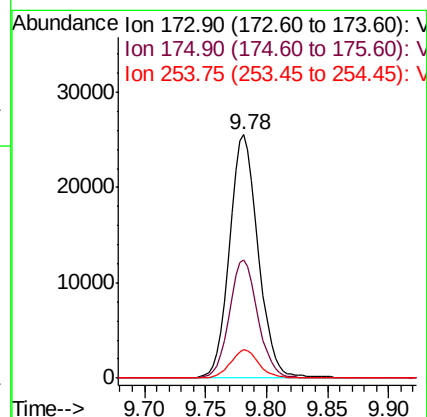
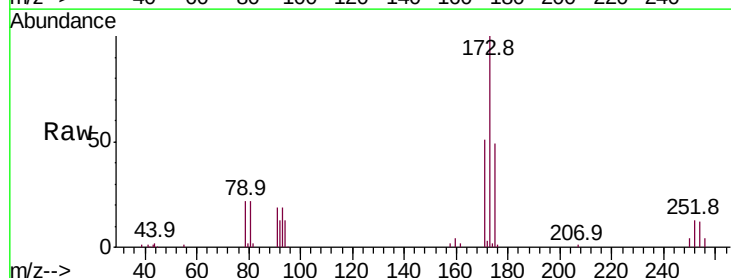
Tgt Ion: 173 Resp: 42120

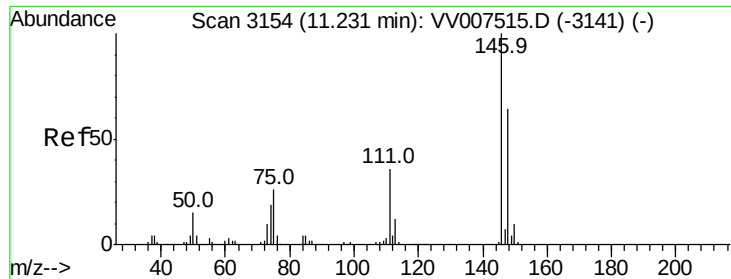
Ion Ratio Lower Upper

173 100

175 48.1 37.9 56.9

254 11.4 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 10.143 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampled :

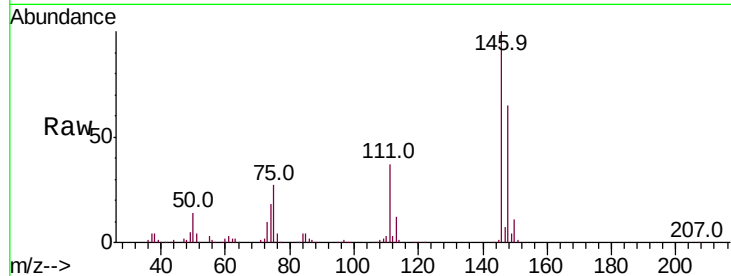
Tot Ion:146 Resp: 171301

Ion Ratio Lower Upper

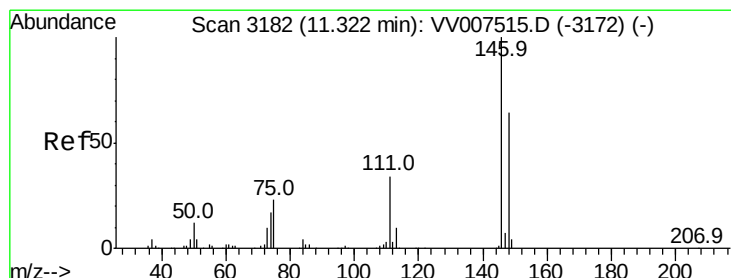
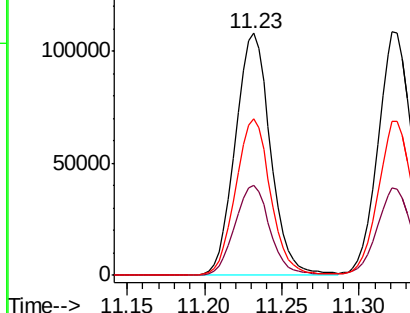
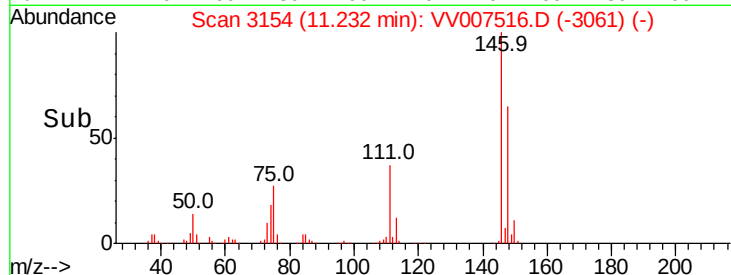
146 100

111 37.1 25.3 47.1

148 64.8 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: 10.229 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

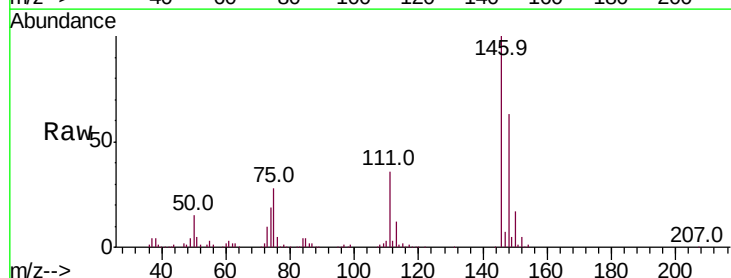
Tgt Ion:146 Resp: 171889

Ion Ratio Lower Upper

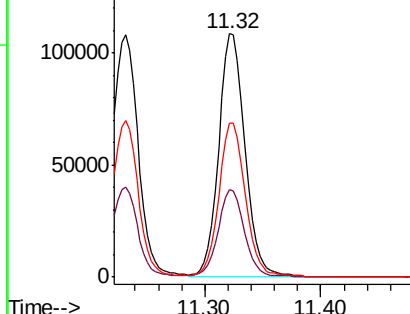
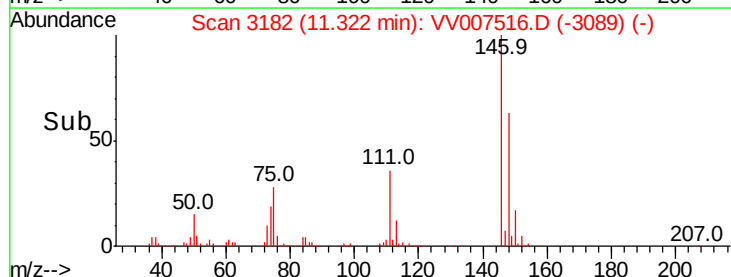
146 100

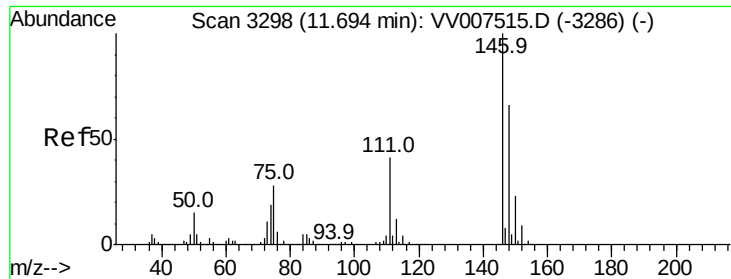
111 35.9 24.5 45.5

148 63.2 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: 9.870 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampleId :

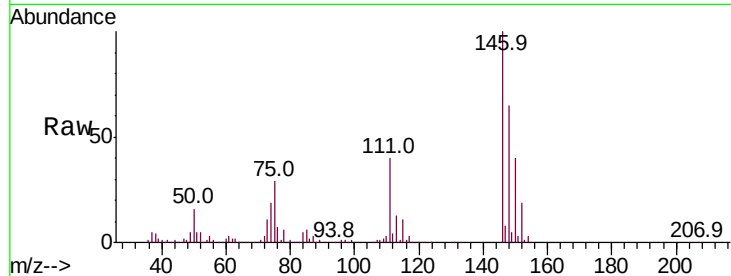
Tot Ion:146 Resp: 156452

Ion Ratio Lower Upper

146 100

111 40.0 32.7 49.1

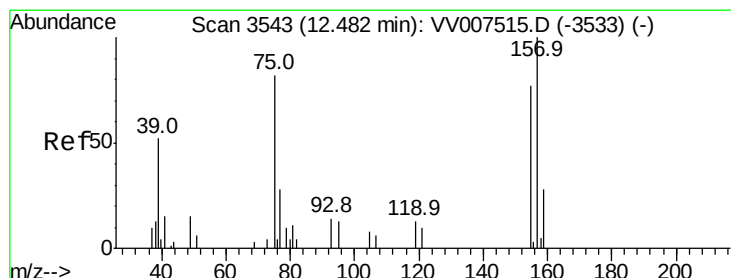
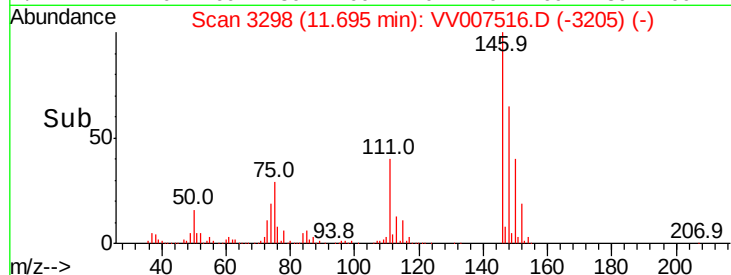
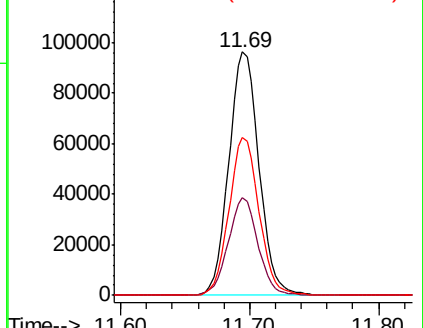
148 65.0 53.0 79.6



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: 7.649 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

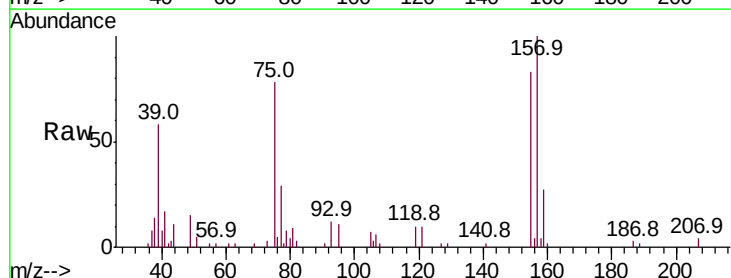
Tgt Ion: 75 Resp: 8601

Ion Ratio Lower Upper

75 100

155 107.1 74.6 111.8

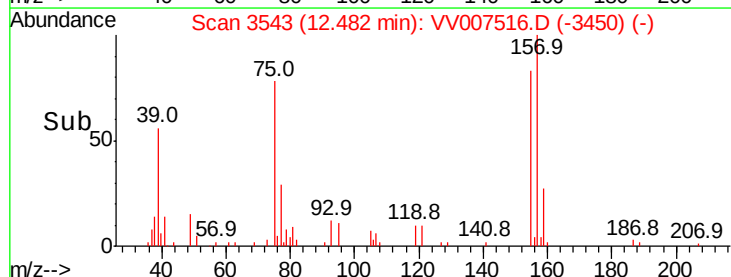
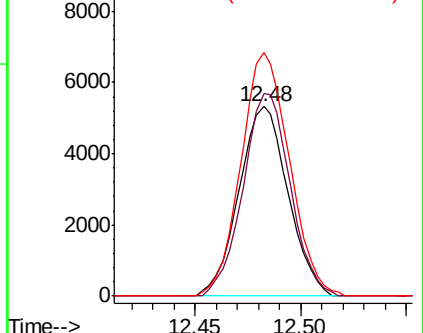
157 128.6 97.4 146.2

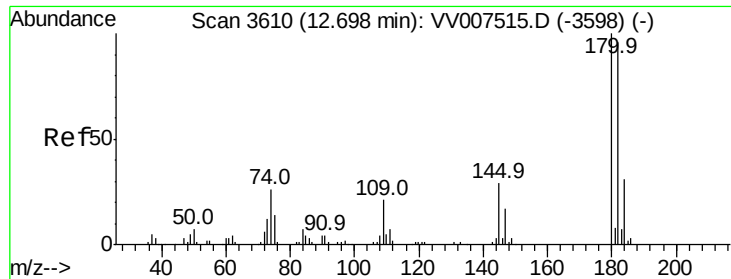


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

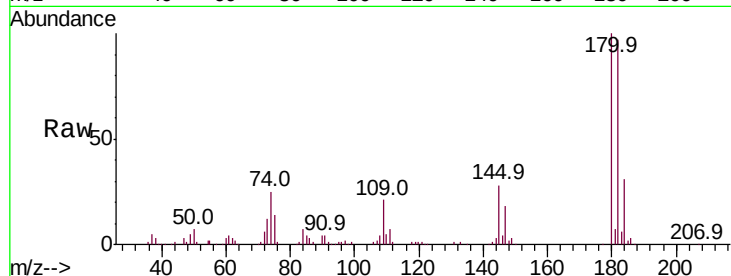




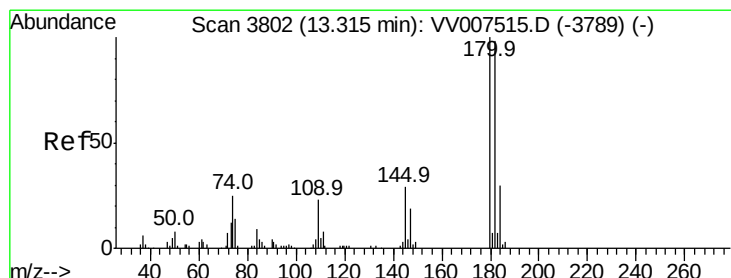
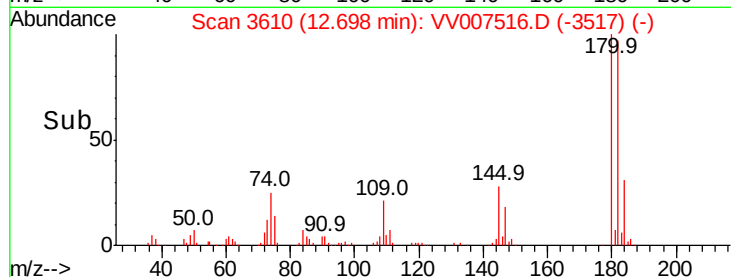
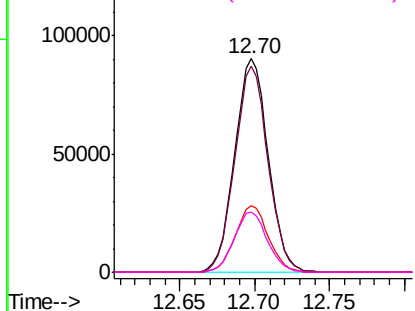
#67
 1,3,5-Trichlorobenzene
 Concen: 10.827 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	140718
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.8	24.0	36.0
145	27.9	22.6	34.0

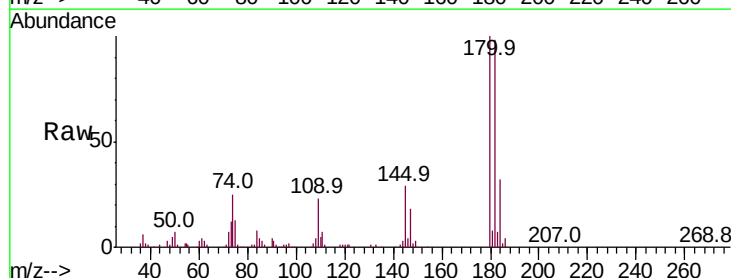


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

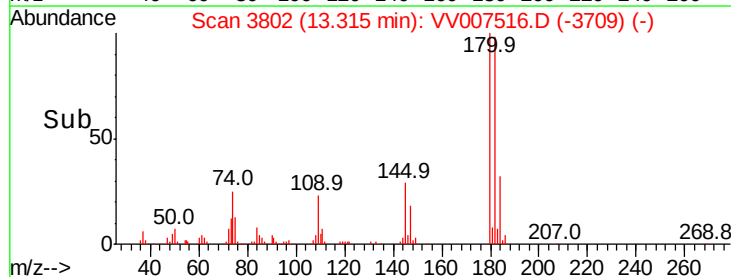
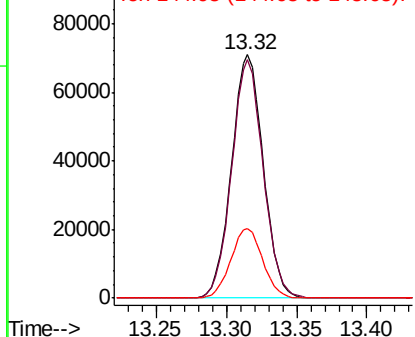


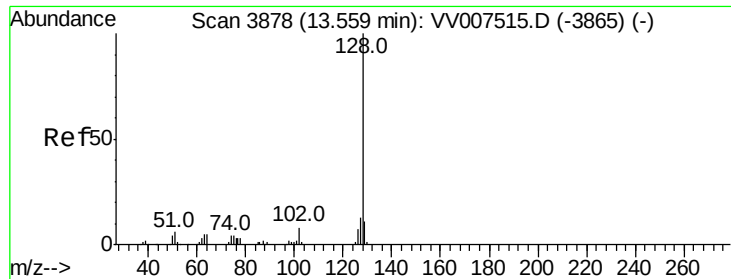
#68
 1,2,4-trichlorobenzene
 Concen: 11.399 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007516.D
 Acq: 13 Sep 2018 18:23

Tgt Ion:	180	Resp:	111771
Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.8	116.8
145	28.7	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: 9.949 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

Instrument :

MSVOA_V

ClientSampleId :

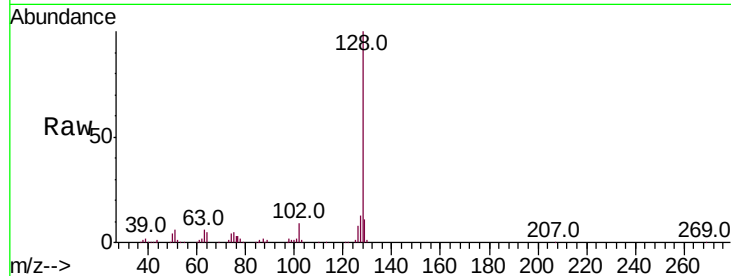
Tot Ion:128 Resp: 146329

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

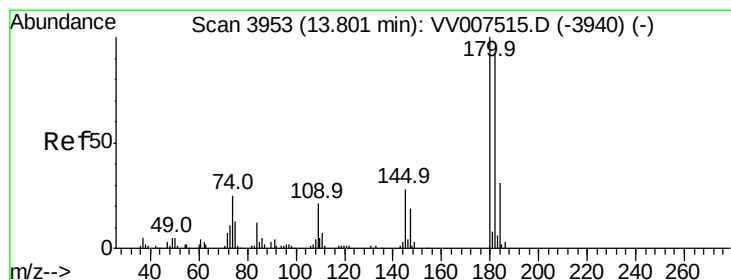
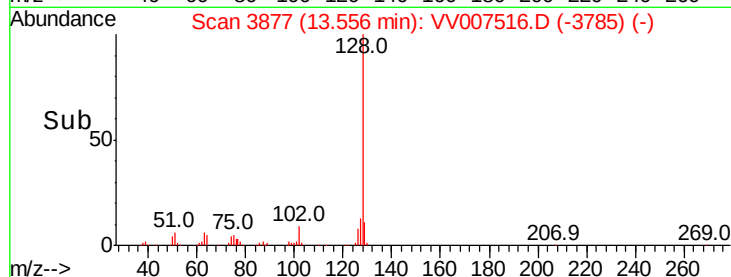
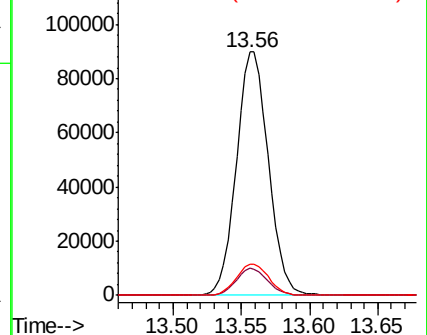
127 13.0 10.5 15.7



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: 10.949 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007516.D

Acq: 13 Sep 2018 18:23

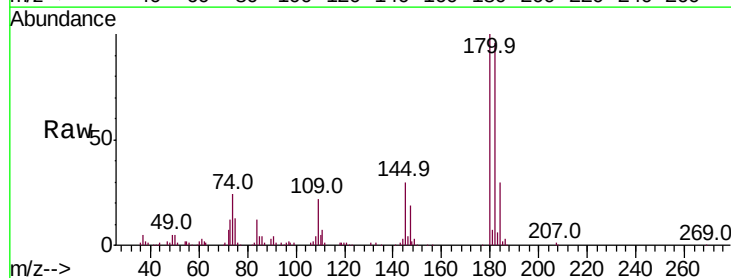
Tgt Ion:180 Resp: 100396

Ion Ratio Lower Upper

180 100

182 96.3 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

