

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007513.D
 Acq On : 13 Sep 2018 17:02
 Operator : SY/MD
 Sample : VSTD0.565
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:10:28 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	152232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	135032	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4209	0.52	ug/L	0.00
7) Chloroethane-d5	1.59	69	3581	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	8550	0.52	ug/L	0.00
20) 2-Butanone-d5	3.98	46	4065	2.48	ug/L	0.00
24) Chloroform-d	4.41	84	7943	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	3739	0.45	ug/L	0.00
32) Benzene-d6	5.10	84	15012	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4568	0.50	ug/L	0.00
41) Toluene-d8	7.36	98	15197	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1871	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	2608	2.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	2991	0.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	7115	0.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4504	0.524 ug/L	97
3) Chloromethane	1.25	50	4102	0.534 ug/L	99
5) Vinyl chloride	1.32	62	4330	0.493 ug/L	97
6) Bromomethane	1.54	94	3069	0.519 ug/L	88
8) Chloroethane	1.60	64	2511	0.479 ug/L	89
9) Trichlorofluoromethane	1.77	101	8255	0.527 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4619	0.517 ug/L #	92
12) 1,1-Dichloroethene	2.15	96	4092	0.520 ug/L	90
13) Acetone	2.21	43	3660	3.815 ug/L	81
14) Carbon disulfide	2.32	76	12169	0.510 ug/L	96
15) Methyl Acetate	2.47	43	1113	0.417 ug/L	96
16) Methylene chloride	2.54	84	5348	0.639 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	10730	0.545 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	4444	0.524 ug/L	96
19) 1,1-Dichloroethane	3.23	63	6642	0.491 ug/L	97
21) 2-Butanone	4.05	43	5475	3.487 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	4381	0.534 ug/L	95
23) Bromochloromethane	4.30	128	1856	0.474 ug/L	98
25) Chloroform	4.43	83	7623	0.543 ug/L	92
27) 1,2-Dichloroethane	5.19	62	4186	0.481 ug/L #	86
29) 1,1,1-Trichloroethane	4.66	97	7432	0.542 ug/L	98
30) Cyclohexane	4.72	56	6434	0.531 ug/L	95
31) Carbon tetrachloride	4.88	117	6773	0.536 ug/L	96
33) Benzene	5.15	78	15223	0.524 ug/L	100
34) Trichloroethene	5.96	95	4490	0.508 ug/L	84
35) Methylcyclohexane	6.18	83	6871	0.504 ug/L	94
37) 1,2-Dichloropropane	6.23	63	3788	0.521 ug/L	98
38) Bromodichloromethane	6.56	83	5599	0.538 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	5512	0.468 ug/L	93
40) 4-Methyl-2-pentanone	7.29	43	19960	4.788 ug/L	98

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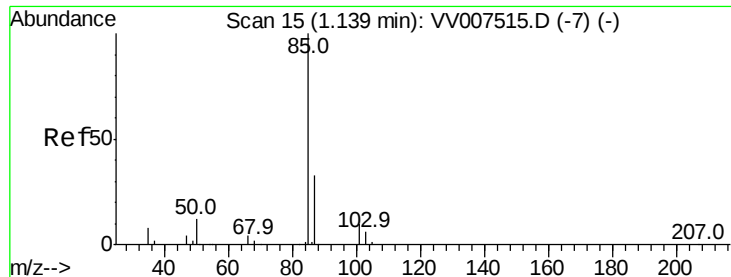
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:10:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	16975	0.524	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	4715	0.478	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	2948	0.526	ug/L	88
47) Tetrachloroethene	8.02	164	4111	0.540	ug/L	90
48) 2-Hexanone	8.20	43	15470	5.111	ug/L #	90
49) Dibromochloromethane	8.29	129	3594	0.466	ug/L	99
50) 1,2-Dibromoethane	8.40	107	2562	0.470	ug/L #	87
51) Chlorobenzene	8.93	112	11481	0.518	ug/L	97
52) Ethylbenzene	9.06	91	18597	0.502	ug/L	99
53) m,p-xylene	9.18	106	7306	0.504	ug/L	95
54) o-xylene	9.59	106	7160	0.508	ug/L	99
55) Styrene	9.61	104	11057	0.478	ug/L	96
56) Isopropylbenzene	9.98	105	18842	0.496	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2321	0.389	ug/L #	91
59) 1,2,3-Trichloropropane	10.32	75	2211	0.469	ug/L #	87
61) Bromoform	9.78	173	2048	0.415	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	9722	0.525	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	9649	0.524	ug/L	95
65) 1,2-Dichlorobenzene	11.70	146	9393	0.541	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.49	75	372	0.302	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	6696	0.470	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	3766	0.350	ug/L	98
69) Naphthalene	13.57	128	3650	0.226	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	3853	0.383	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.524 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

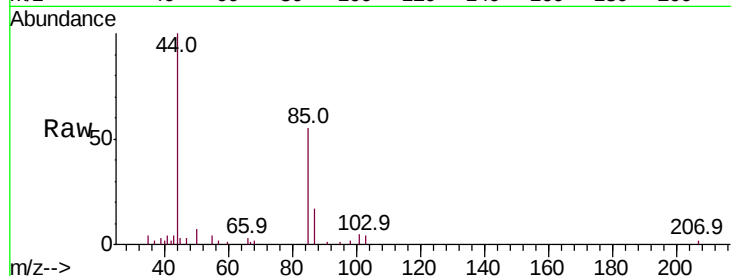
ClientSampleId :

Tot Ion: 85 Resp: 4504

Ion Ratio Lower Upper

85 100

87 30.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007513.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007513.D (-7) (-)

1.14

4000

3000

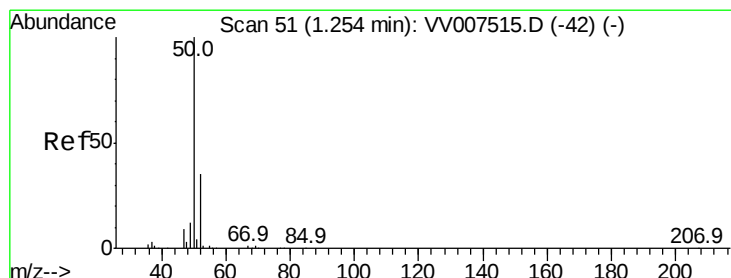
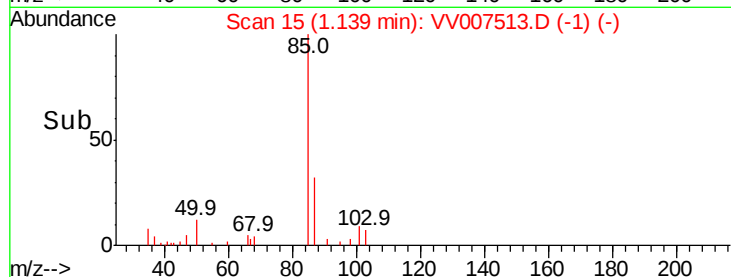
2000

1000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 0.534 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007513.D

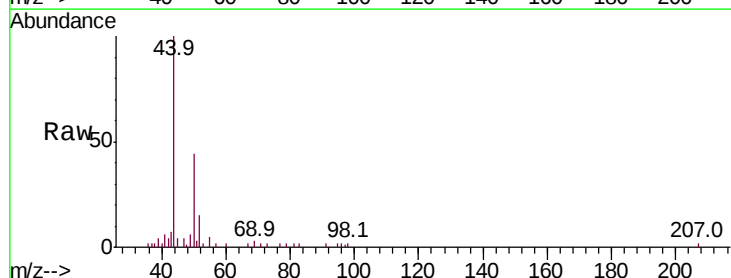
Acq: 13 Sep 2018 17:02

Tgt Ion: 50 Resp: 4102

Ion Ratio Lower Upper

50 100

52 34.2 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007513.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV007513.D (-1) (-)

1.25

3000

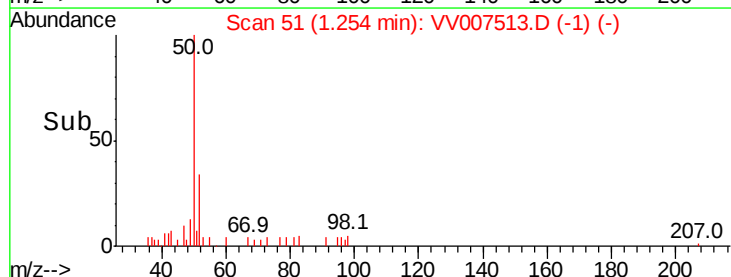
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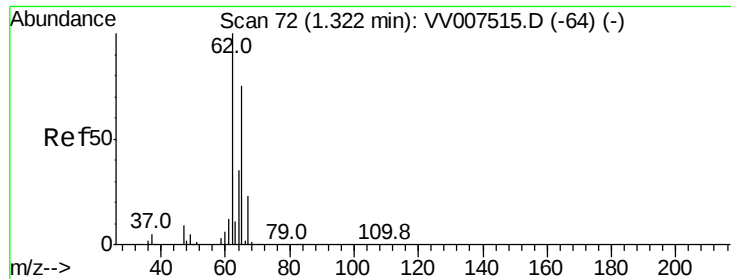
1000

0

Time-->

1.25 1.30





#5

Vinyl chloride

Concen: 0.493 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

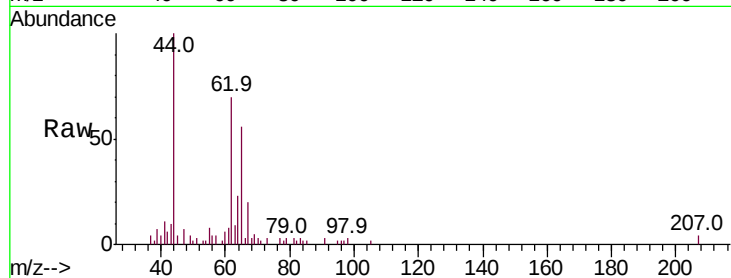
ClientSampleId :

Tot Ion: 62 Resp: 4330

Ion Ratio Lower Upper

62 100

64 32.8 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007513.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007513.D (-64) (-)

1.32

4000

3000

2000

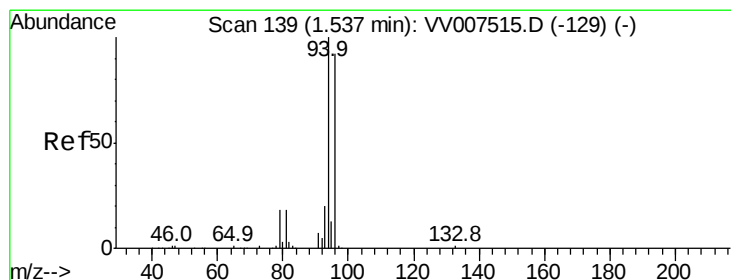
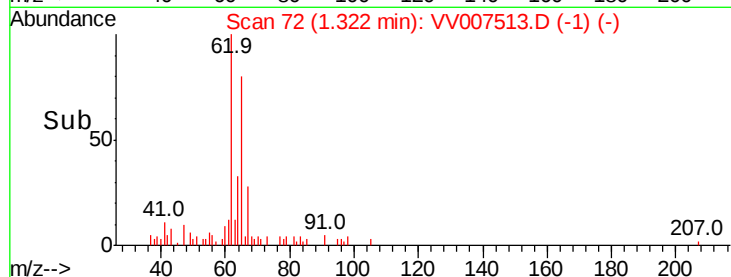
1000

0

1.30

1.35

Time-->



#6

Bromomethane

Concen: 0.519 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007513.D

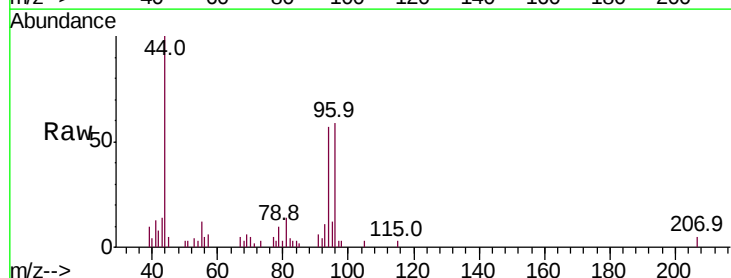
Acq: 13 Sep 2018 17:02

Tgt Ion: 94 Resp: 3069

Ion Ratio Lower Upper

94 100

96 103.4 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007513.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV007513.D (-129) (-)

1.54

3000

2500

2000

1500

1000

500

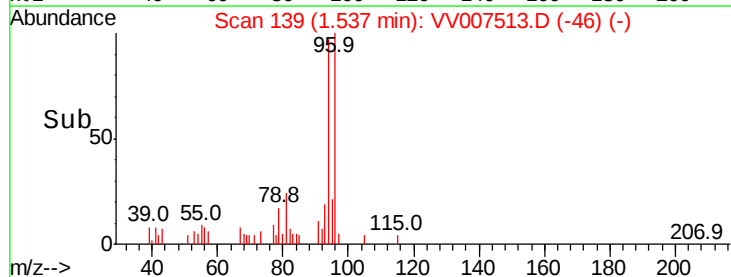
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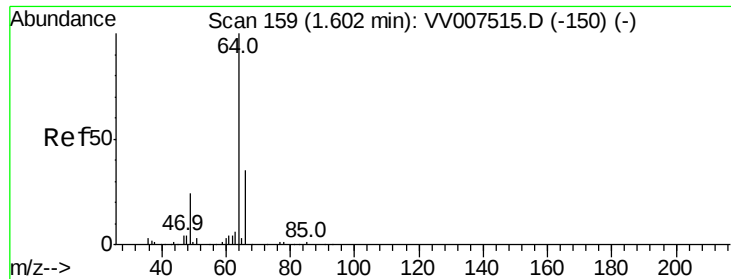
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 0.479 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

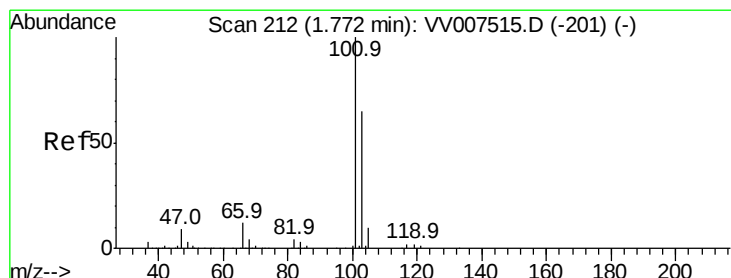
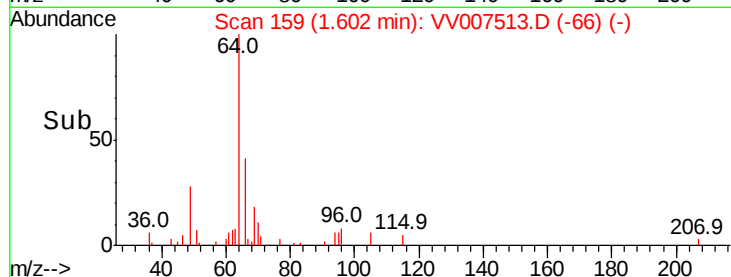
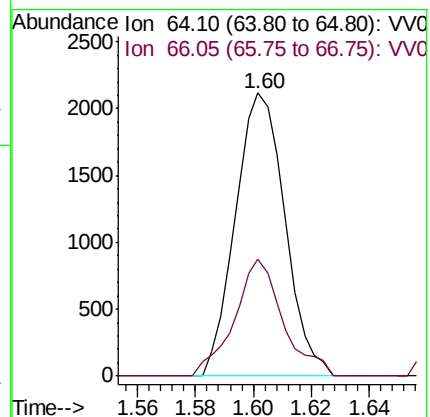
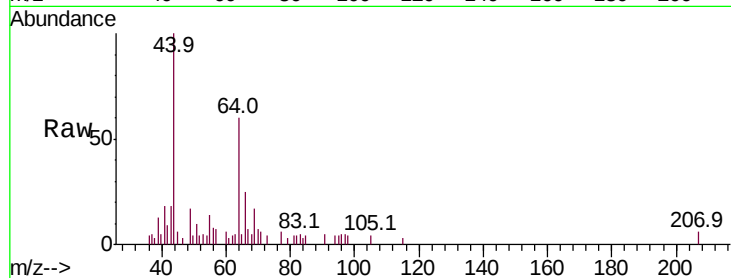
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2511

Ion Ratio Lower Upper

64 100

66 41.1 24.3 45.1



#9

Trichlorofluoromethane

Concen: 0.527 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007513.D

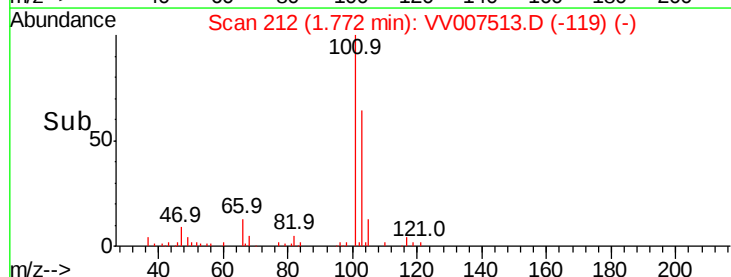
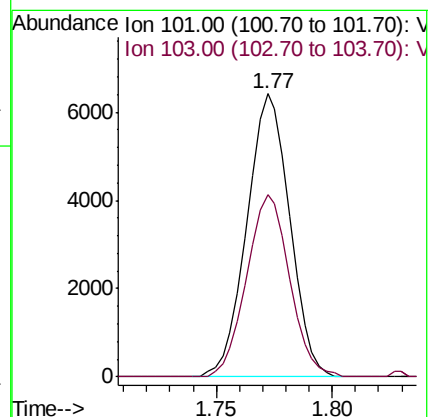
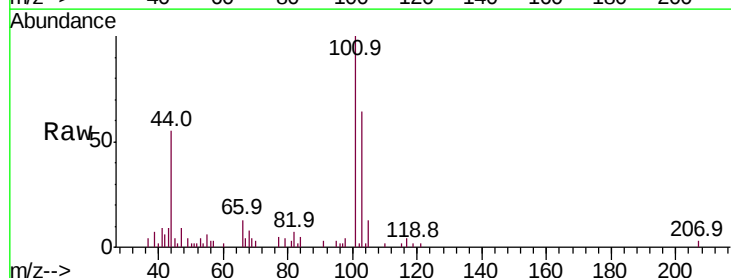
Acq: 13 Sep 2018 17:02

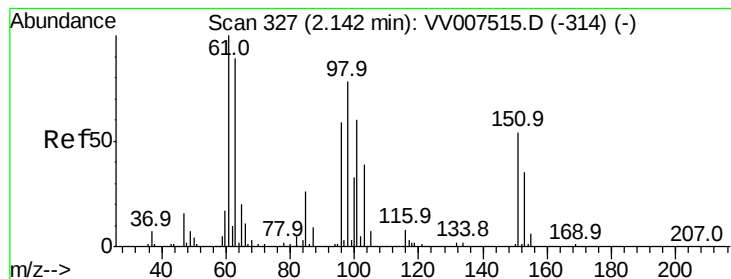
Tgt Ion: 101 Resp: 8255

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.8





#10

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

Concen: 0.517 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :
MSVOA_V
ClientSampled :

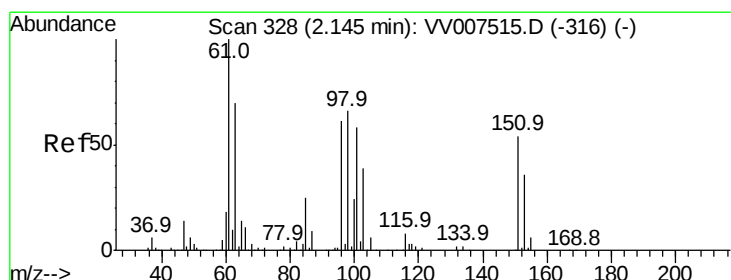
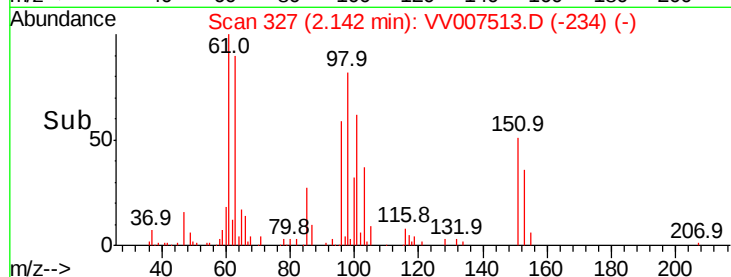
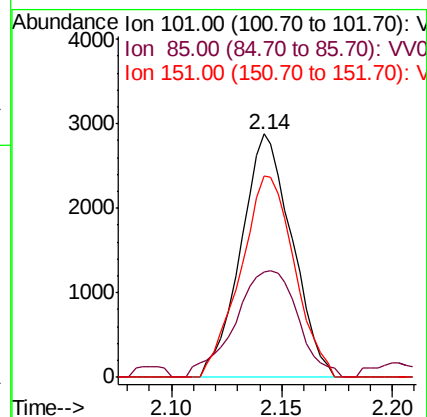
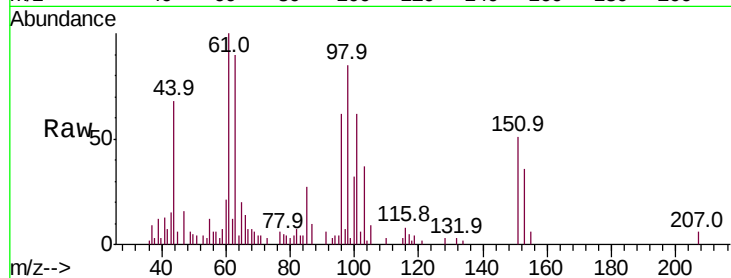
Tot Ion:101 Resp: 4619

Ion Ratio Lower Upper

101 100

85 53.8 34.8 52.2#

151 87.1 72.6 109.0



#12

1,1-Dichloroethene

Concen: 0.520 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

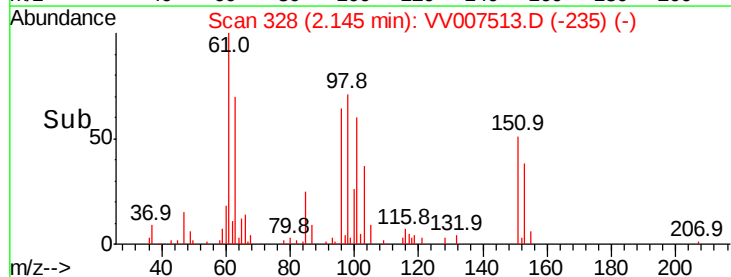
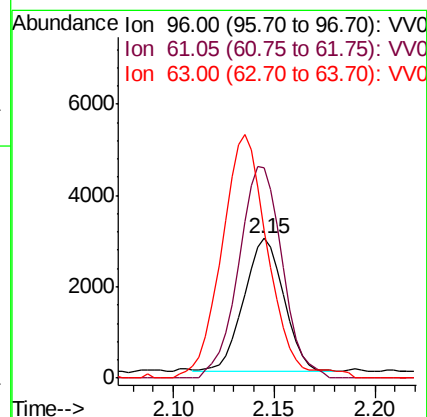
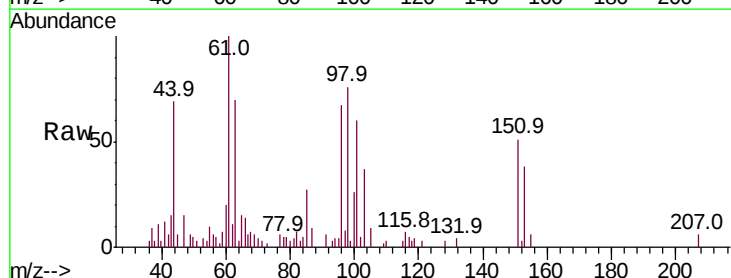
Tgt Ion: 96 Resp: 4092

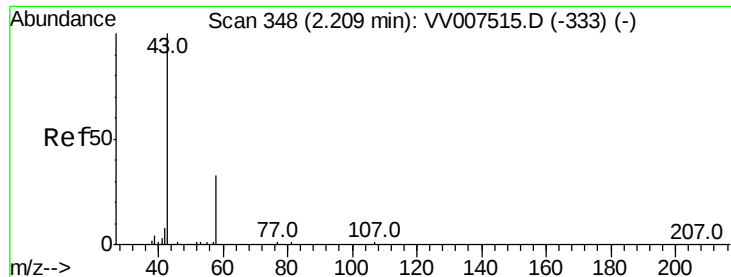
Ion Ratio Lower Upper

96 100

61 150.4 114.8 213.2

63 106.0 81.8 151.8





#13

Acetone

Concen: 3.815 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

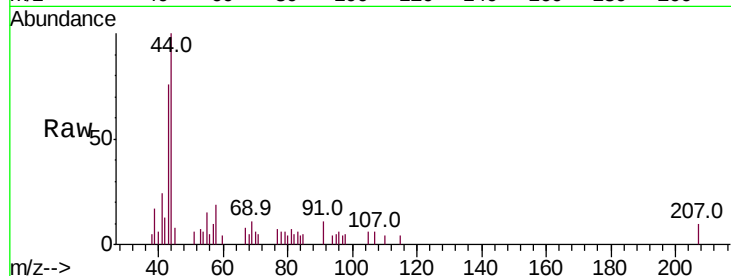
ClientSampled :

Tot Ion: 43 Resp: 3660

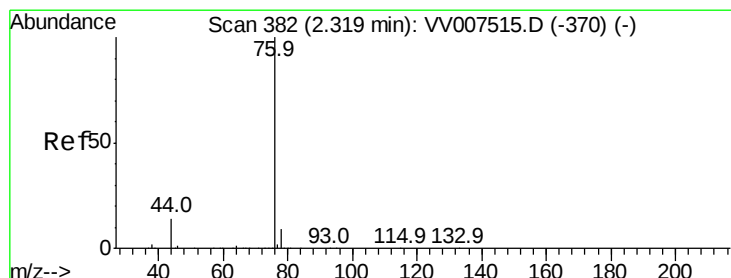
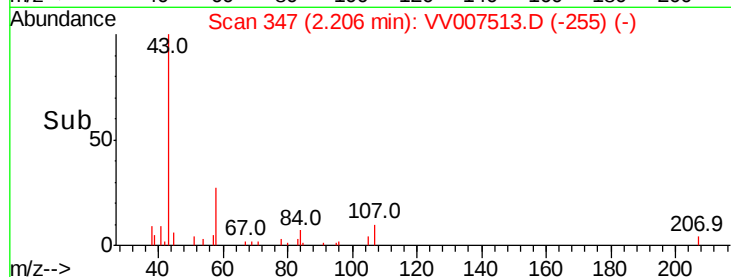
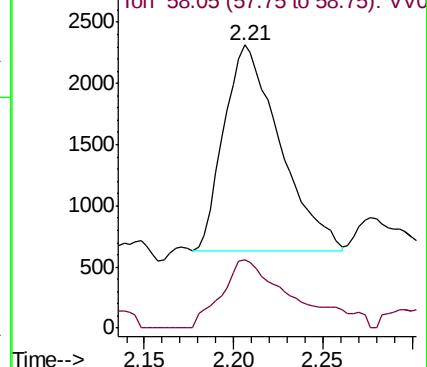
Ion Ratio Lower Upper

43 100

58 42.5 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007515.D (-333) (-)



#14

Carbon disulfide

Concen: 0.510 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007513.D

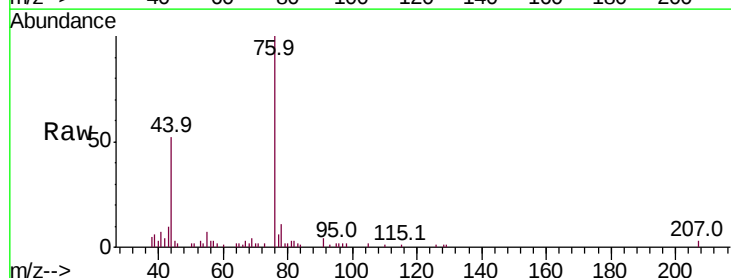
Acq: 13 Sep 2018 17:02

Tgt Ion: 76 Resp: 12169

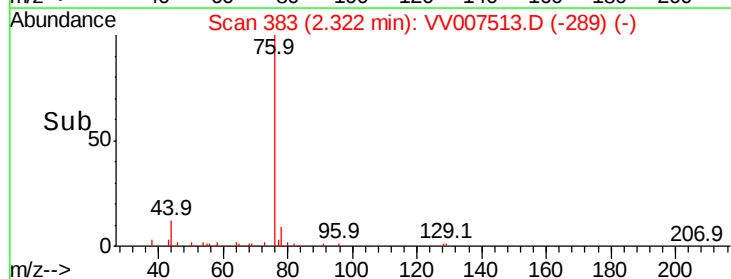
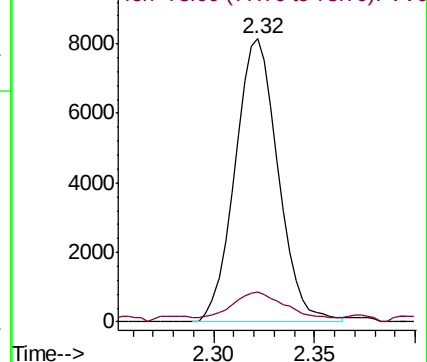
Ion Ratio Lower Upper

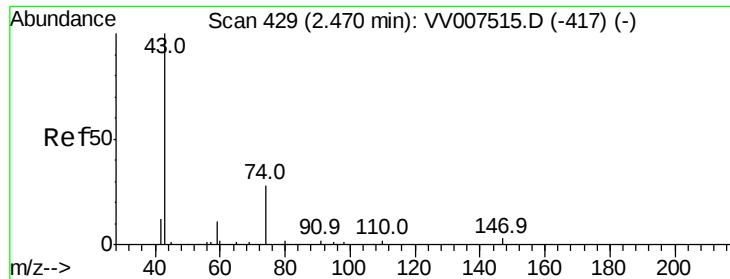
76 100

78 10.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007515.D (-370) (-)

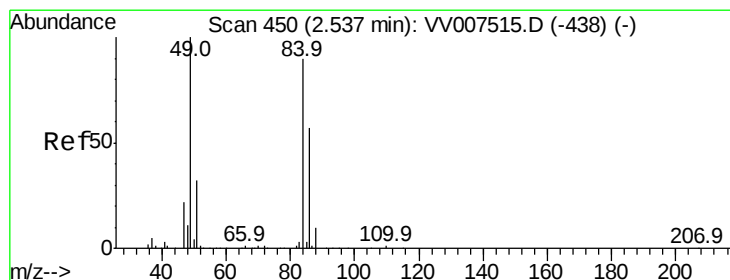
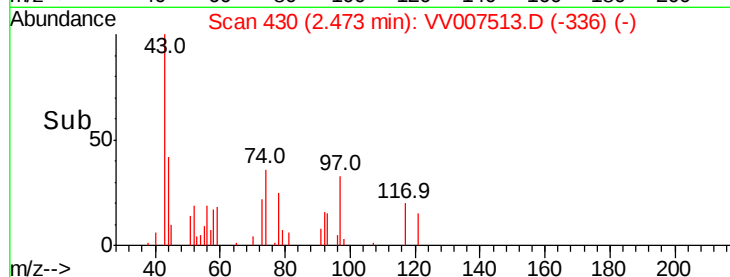
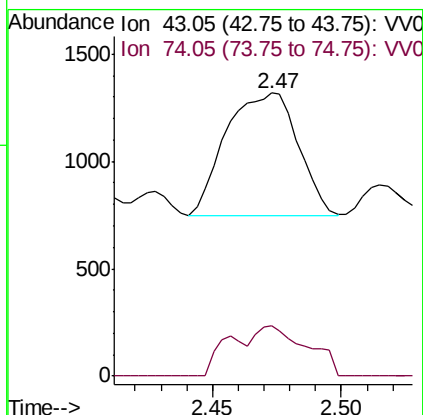
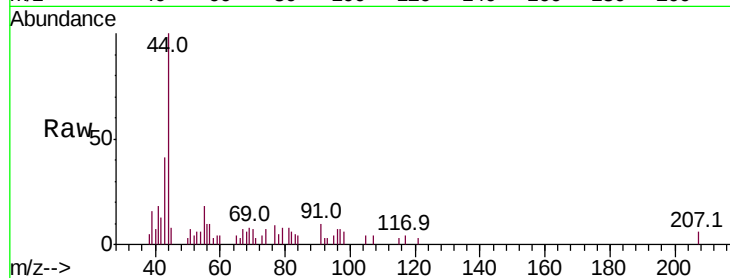




#15
Methyl Acetate
Concen: 0.417 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

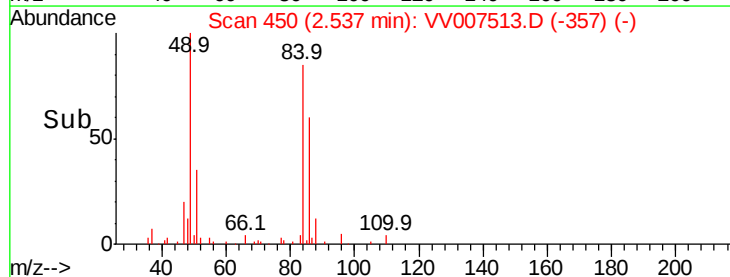
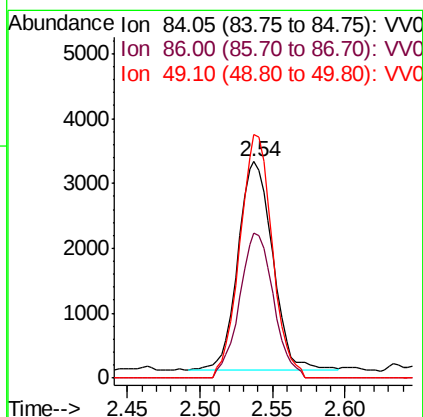
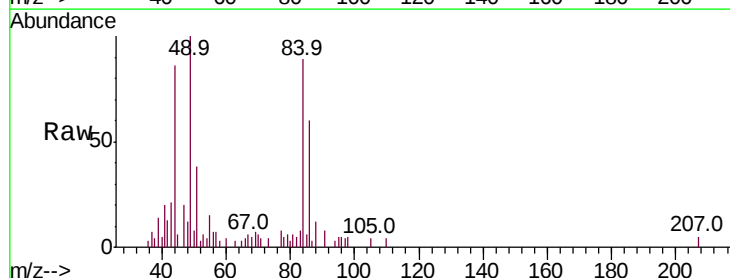
Instrument :
MSVOA_V
ClientSampled :

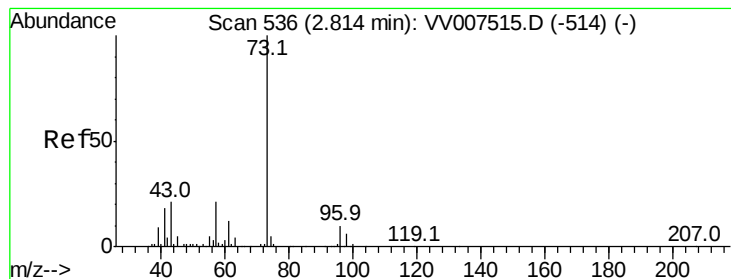
Tot Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
74 29.6 25.4 38.2



#16
Methylene chloride
Concen: 0.639 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Tgt Ion: 84 Resp: 5348
Ion Ratio Lower Upper
84 100
86 67.0 43.7 81.1
49 112.4 76.8 142.6



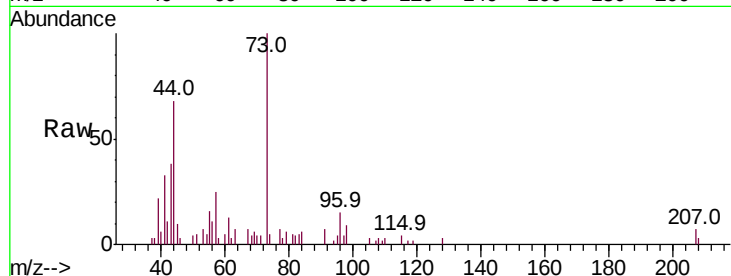


#17

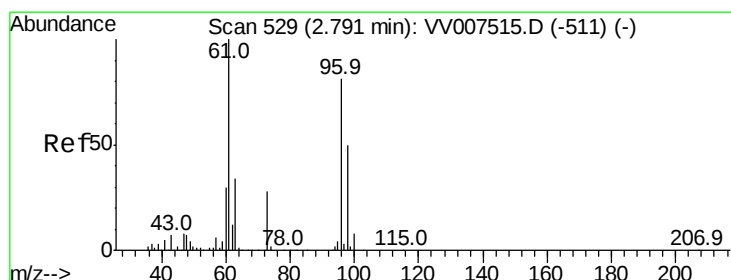
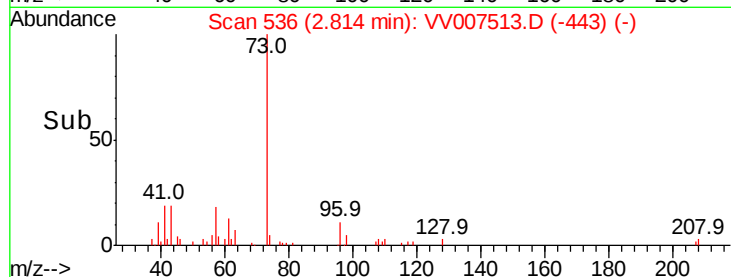
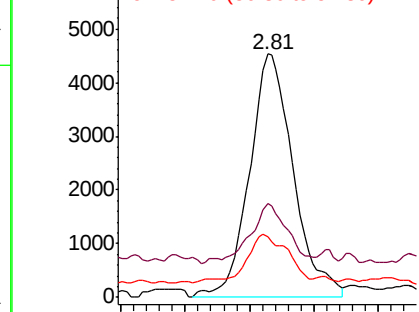
Methvl tert-butvl Ether
 Concen: 0.545 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 10730
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.6
 57 18.3 15.8 23.6



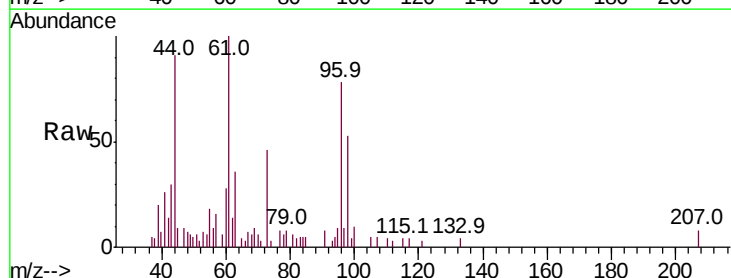
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



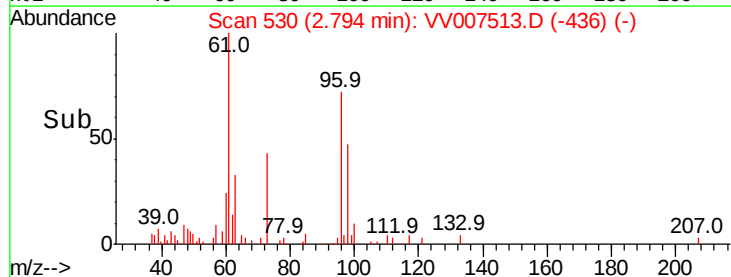
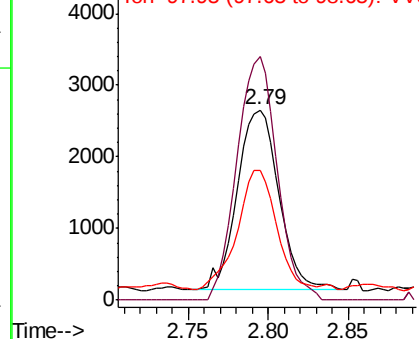
#18

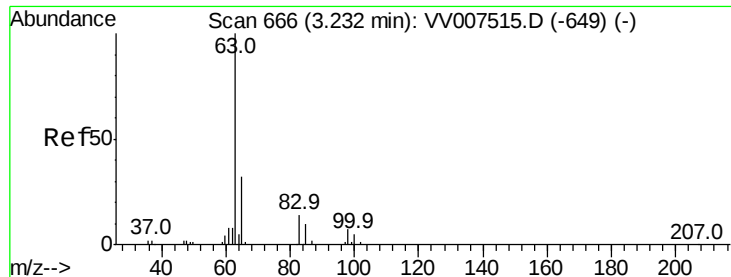
trans-1,2-Dichloroethene
 Concen: 0.524 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion: 96 Resp: 4444
 Ion Ratio Lower Upper
 96 100
 61 128.2 86.8 161.2
 98 68.0 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.491 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

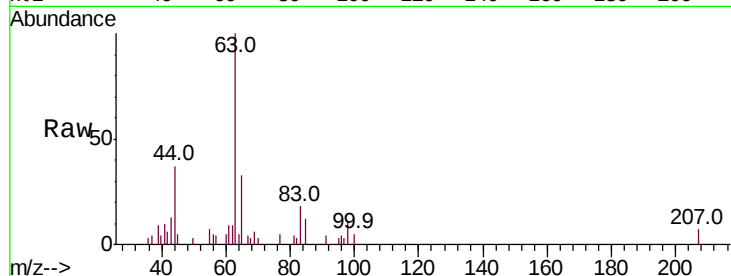
Tot Ion: 63 Resp: 6642

Ion Ratio Lower Upper

63 100

65 32.6 22.5 41.9

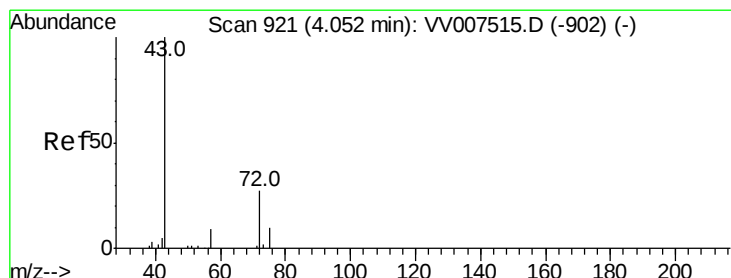
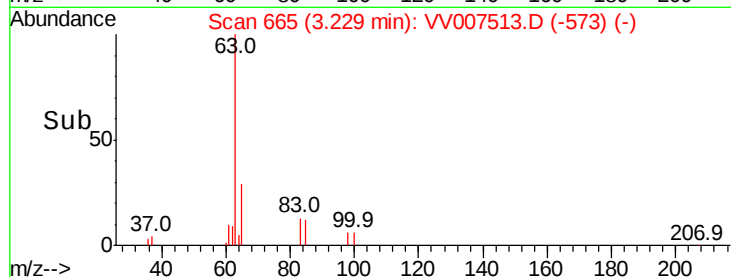
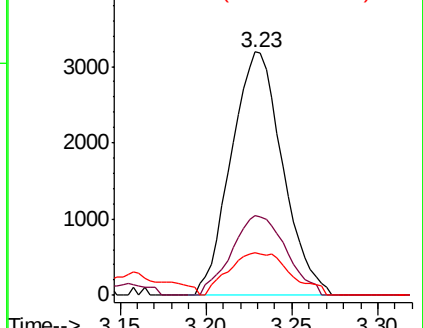
83 17.7 10.4 19.2



Abundance Ion 63.10 (62.80 to 63.80): VV007513.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV007513.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV007513.D (-649) (-)



#21

2-Butanone

Concen: 3.487 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV007513.D

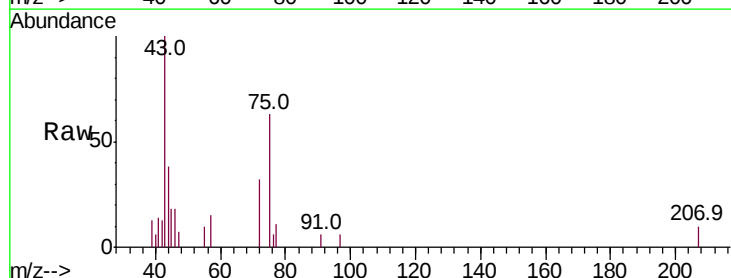
Acq: 13 Sep 2018 17:02

Tgt Ion: 43 Resp: 5475

Ion Ratio Lower Upper

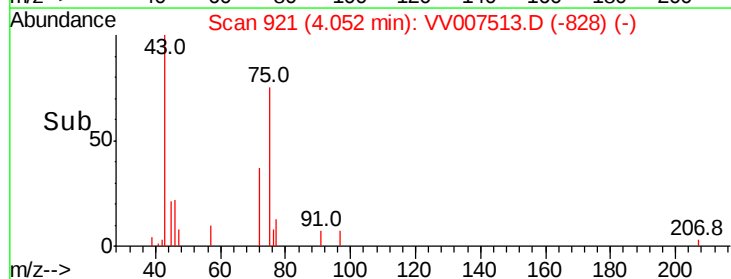
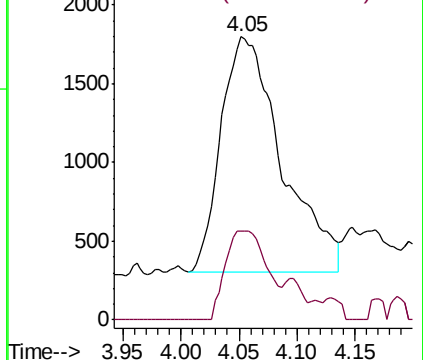
43 100

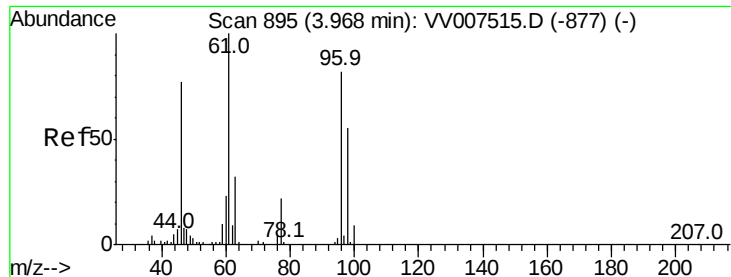
72 25.9 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VV007513.D (-902) (-)

Ion 72.10 (71.80 to 72.80): VV007513.D (-902) (-)



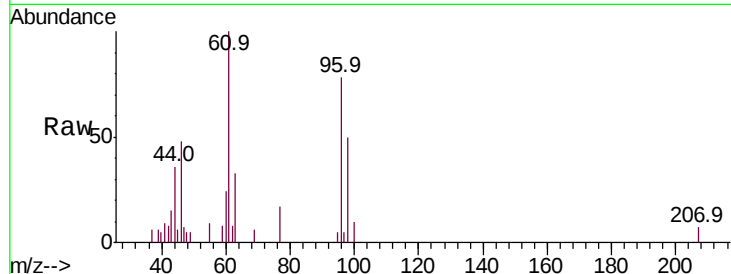


#22

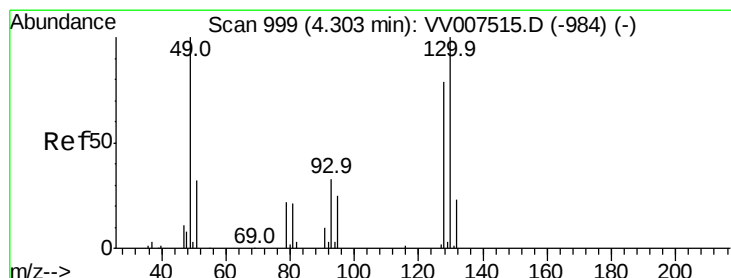
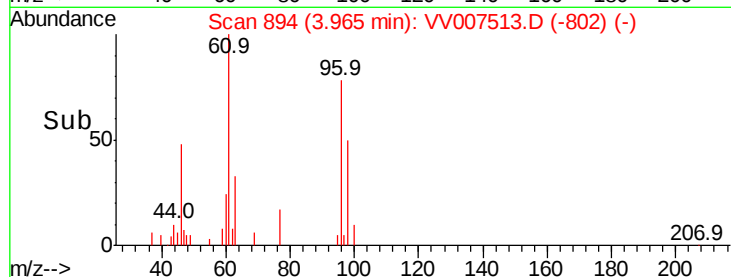
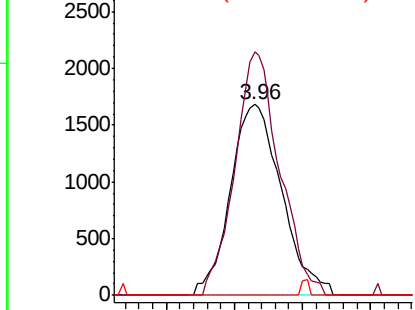
cis-1,2-Dichloroethene
 Concen: 0.534 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 4381
 Ion Ratio Lower Upper
 96 100
 61 127.4 85.3 158.5
 68 0.0 0.0 0.0



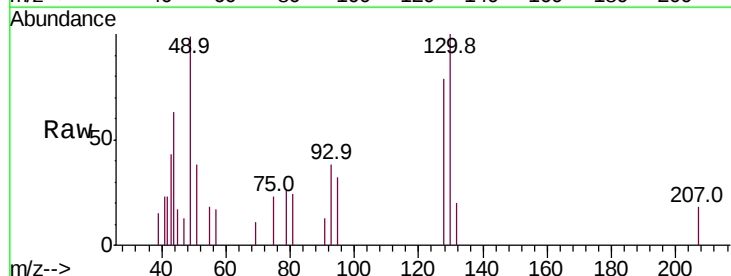
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



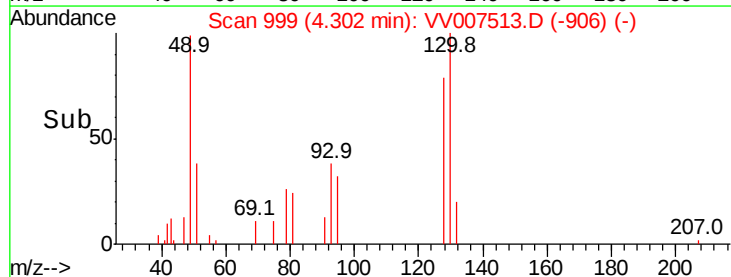
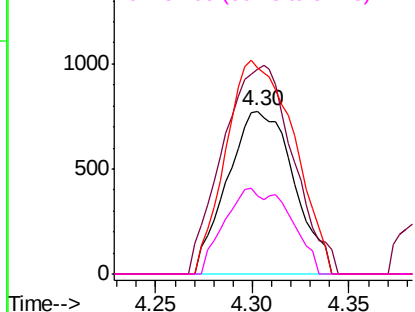
#23

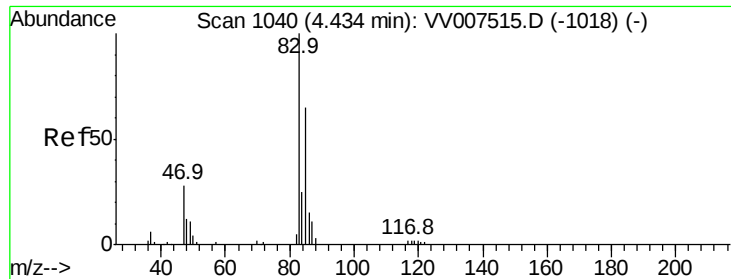
Bromochloromethane
 Concen: 0.474 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion: 128 Resp: 1856
 Ion Ratio Lower Upper
 128 100
 49 125.4 89.0 165.2
 130 126.8 88.8 165.0
 51 47.9 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

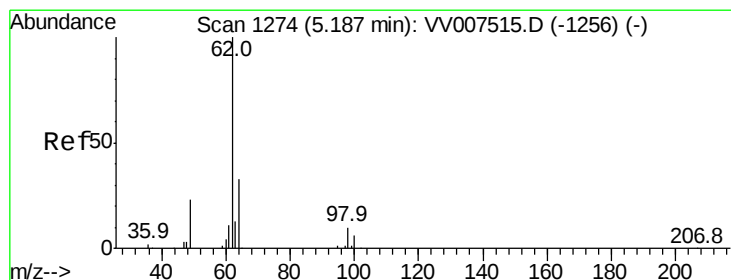
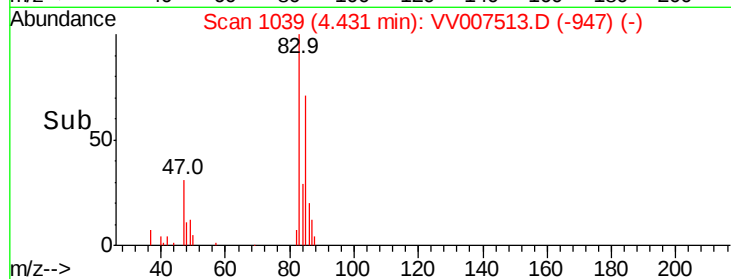
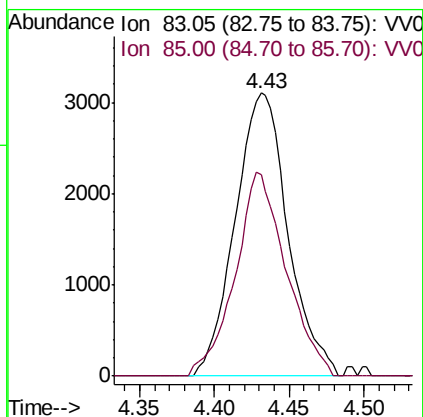
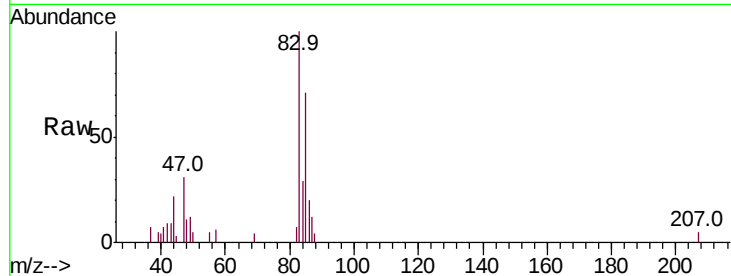




#25
Chloroform
Concen: 0.543 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

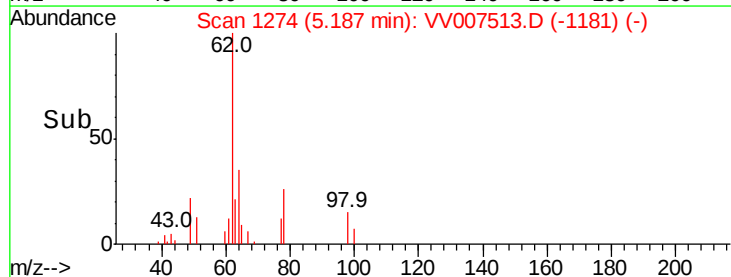
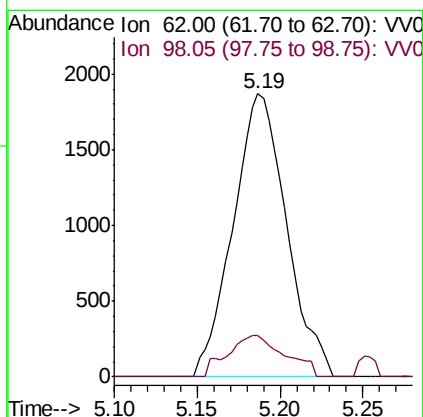
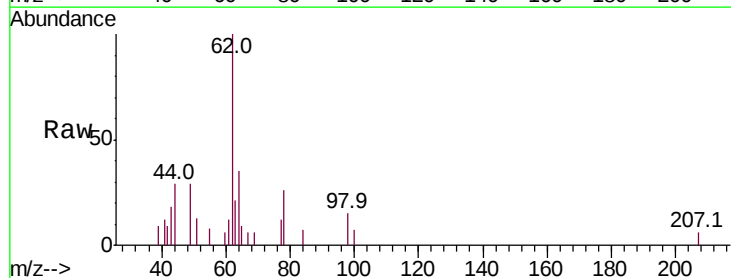
Instrument :
MSVOA_V
ClientSampled :

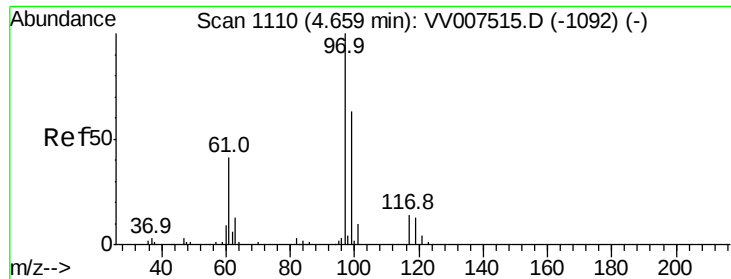
Tot Ion: 83 Resp: 7623
Ion Ratio Lower Upper
83 100
85 71.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.481 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Tgt Ion: 62 Resp: 4186
Ion Ratio Lower Upper
62 100
98 14.7 7.6 11.4#



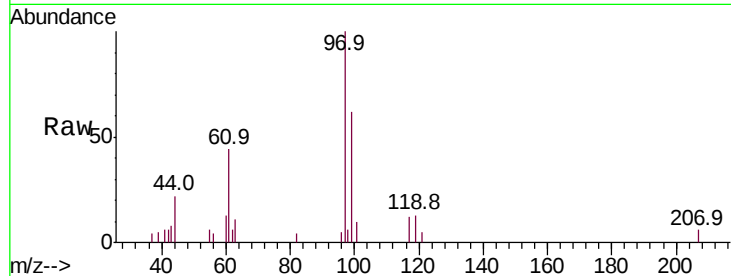


#29
 1,1,1-Trichloroethane
 Concen: 0.542 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

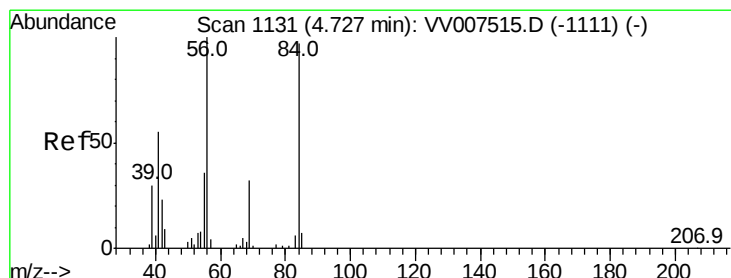
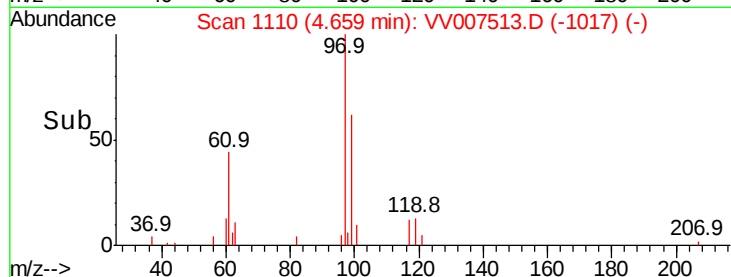
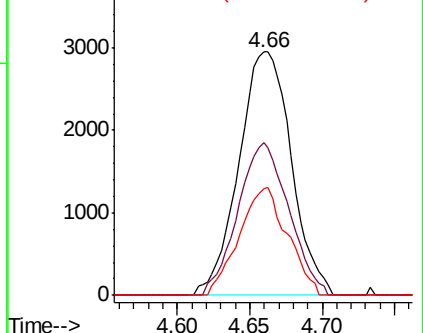
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 7432

Ion	Ratio	Lower	Upper
97	100		
99	60.7	50.7	76.1
61	40.6	32.5	48.7



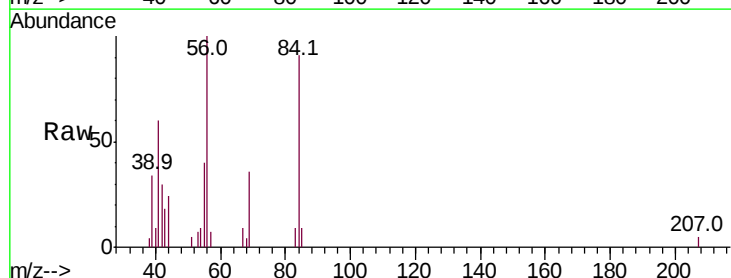
Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0



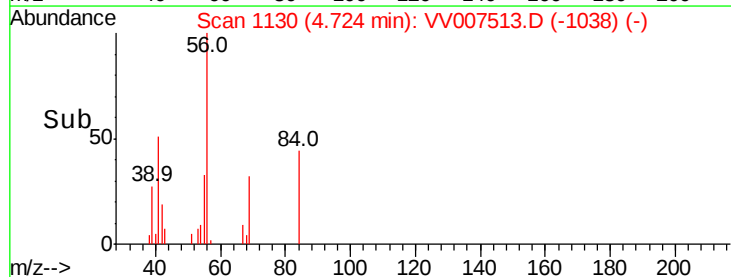
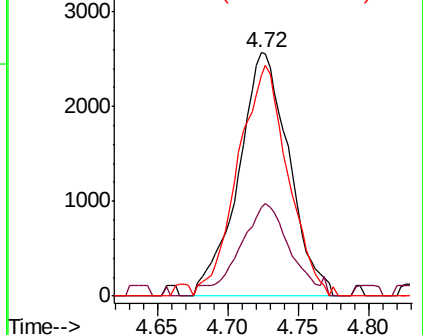
#30
 Cyclohexane
 Concen: 0.531 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

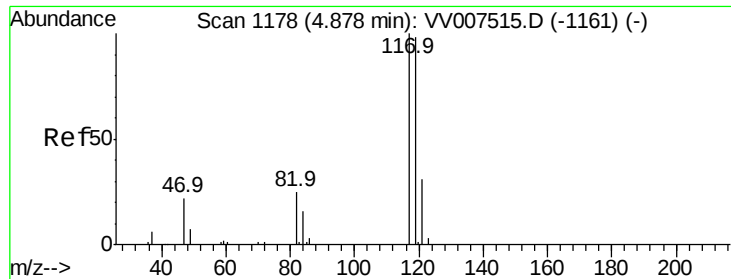
Tgt Ion: 56 Resp: 6434

Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.1	39.1
84	93.9	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

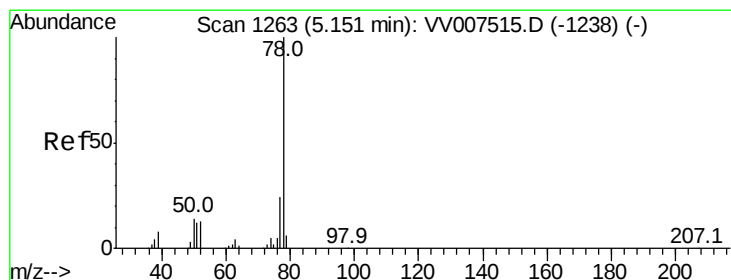
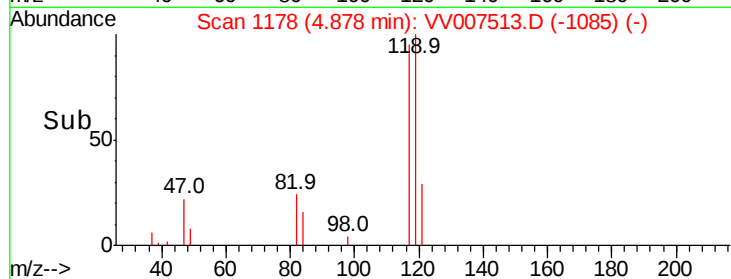
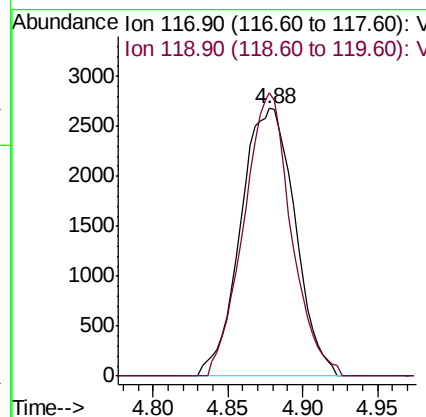
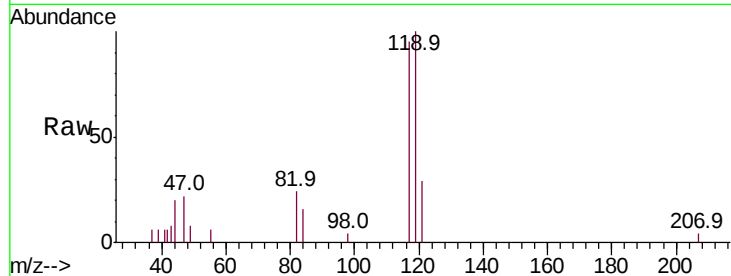




#31
Carbon tetrachloride
Concen: 0.536 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

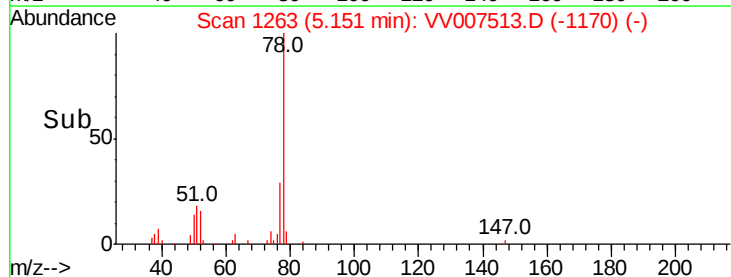
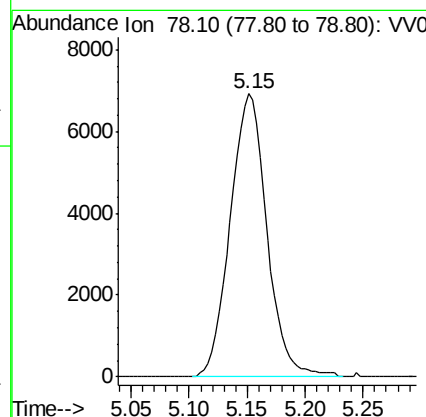
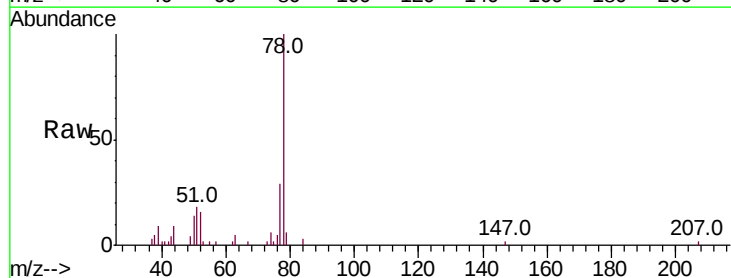
Instrument :
MSVOA_V
ClientSampled :

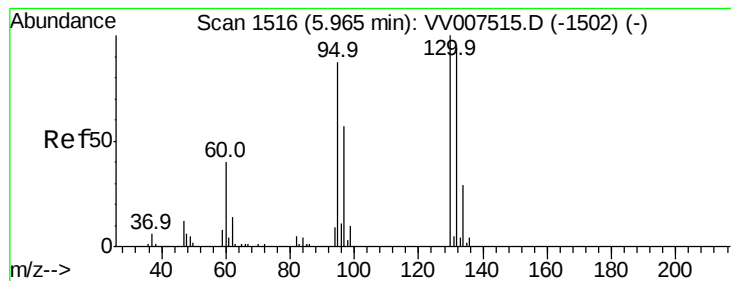
Tot Ion:117 Resp: 6773
Ion Ratio Lower Upper
117 100
119 92.6 77.5 116.3



#33
Benzene
Concen: 0.524 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Tgt Ion: 78 Resp: 15223





#34

Trichloroethene

Concen: 0.508 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 4490

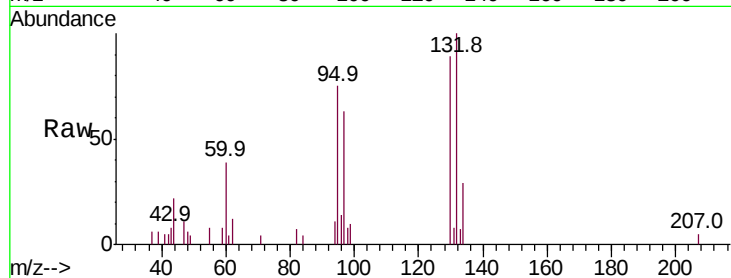
Ion Ratio Lower Upper

95 100

97 83.8 45.5 84.5

132 133.3 74.9 139.1

130 118.4 80.0 148.6

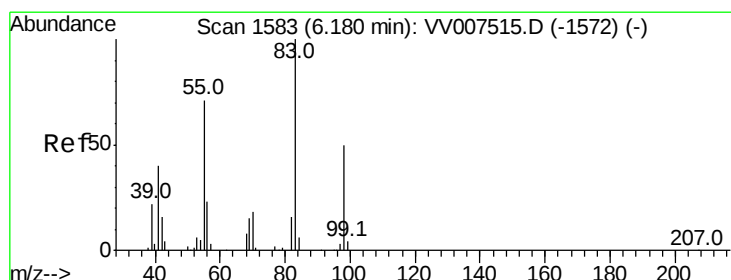
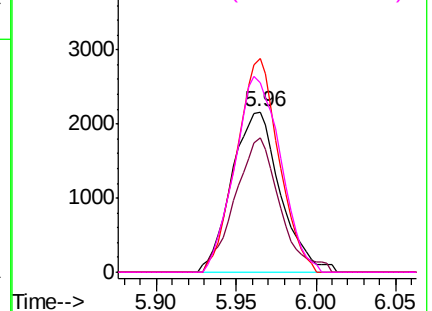
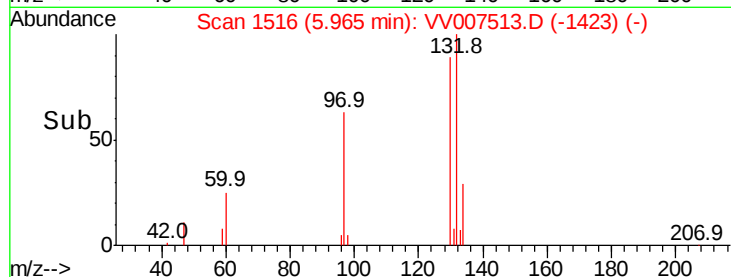


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.504 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

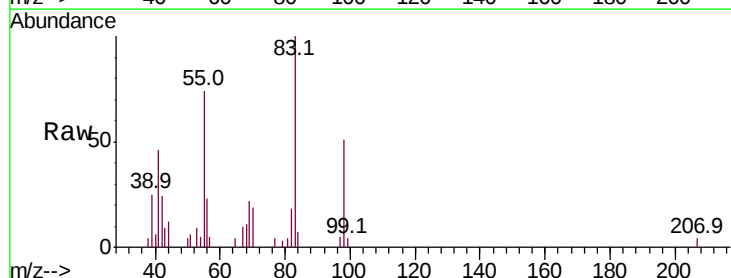
Tgt Ion: 83 Resp: 6871

Ion Ratio Lower Upper

83 100

55 71.0 55.0 82.4

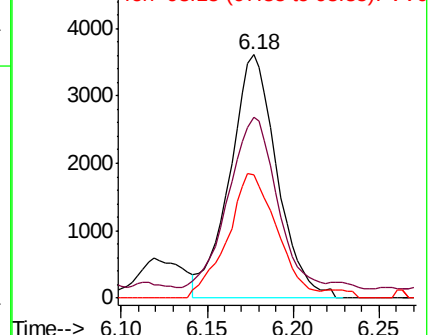
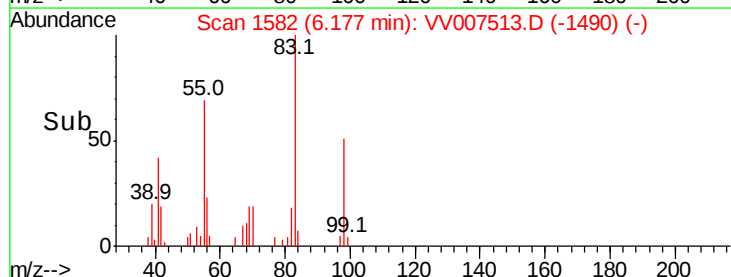
98 54.1 37.6 56.4

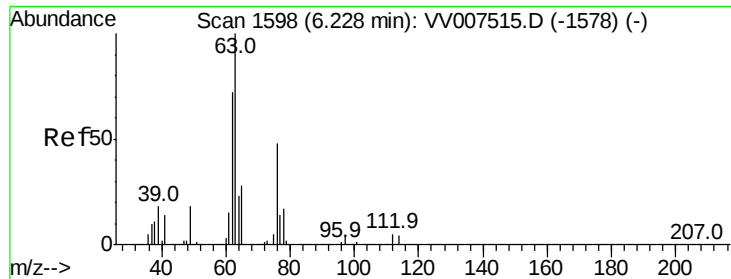


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

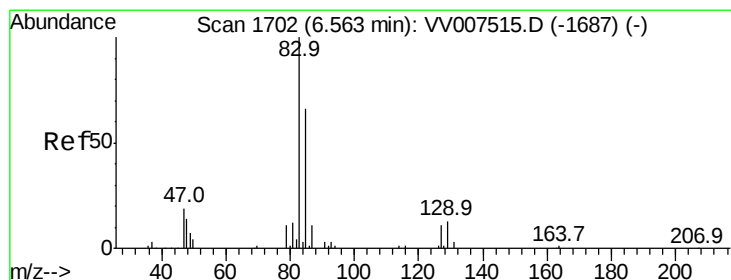
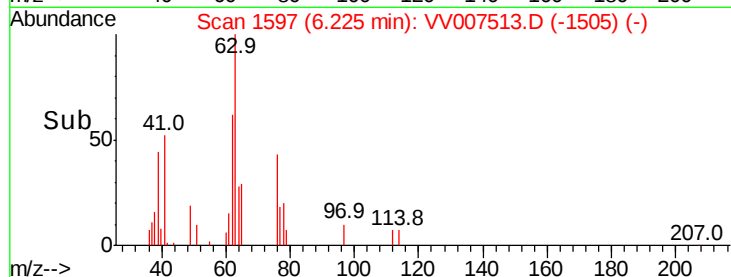
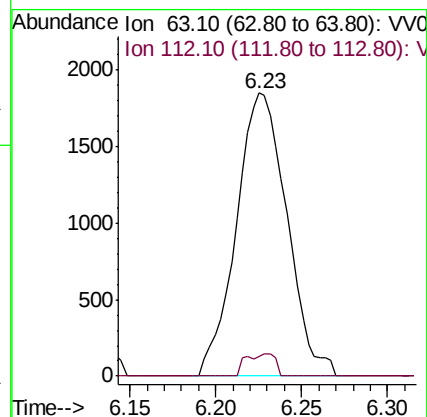
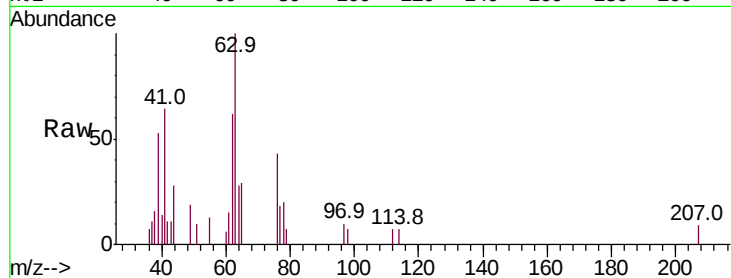




#37
 1,2-Dichloropropane
 Concen: 0.521 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

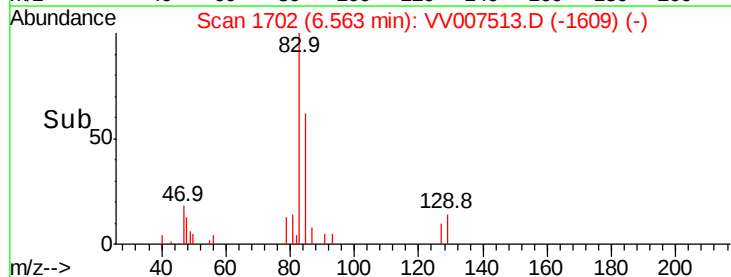
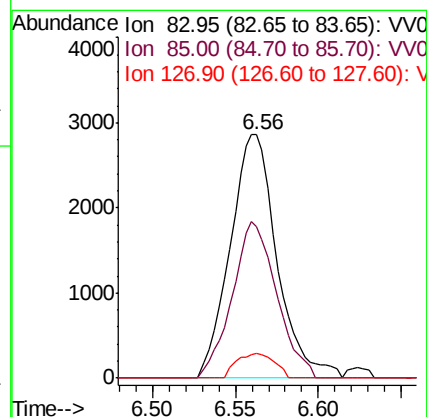
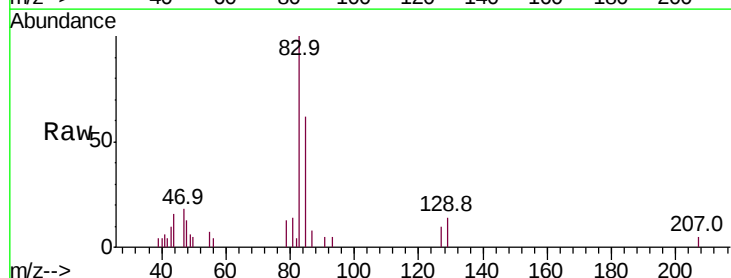
Instrument :
 MSVOA_V
 ClientSampleId :

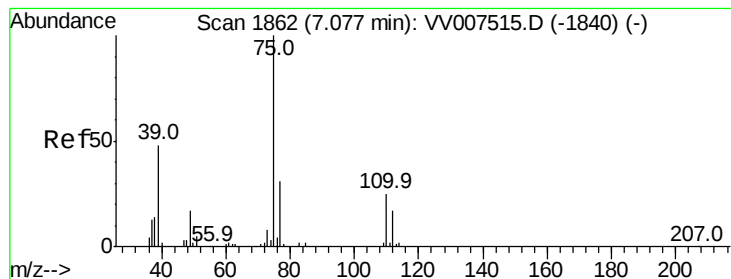
Tot Ion: 63 Resp: 3788
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 0.538 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion: 83 Resp: 5599
 Ion Ratio Lower Upper
 83 100
 85 62.3 46.4 86.2
 127 10.2 8.4 12.6



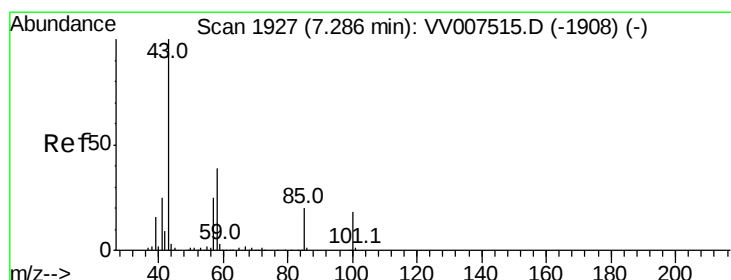
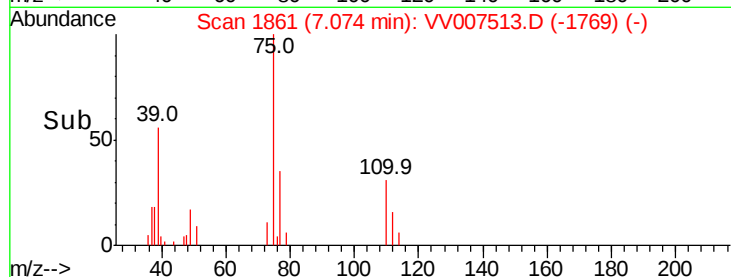
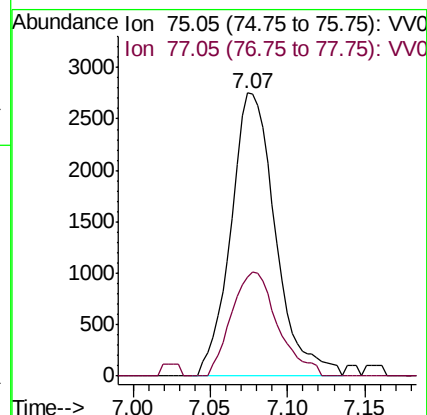
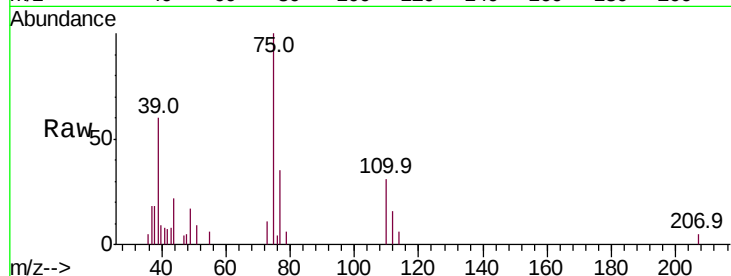


#39

cis-1,3-Dichloropropene
 Concen: 0.468 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampleId :

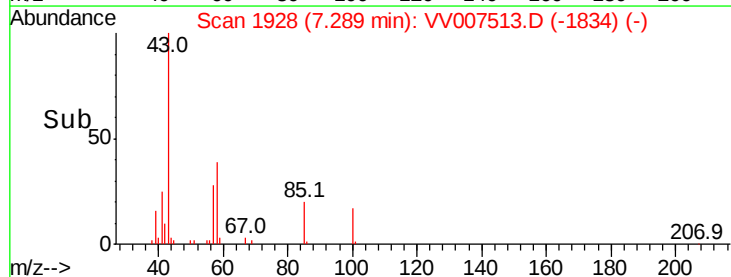
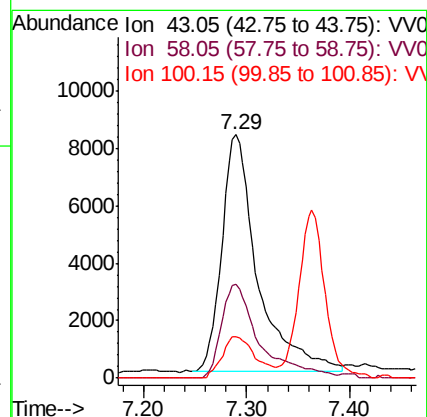
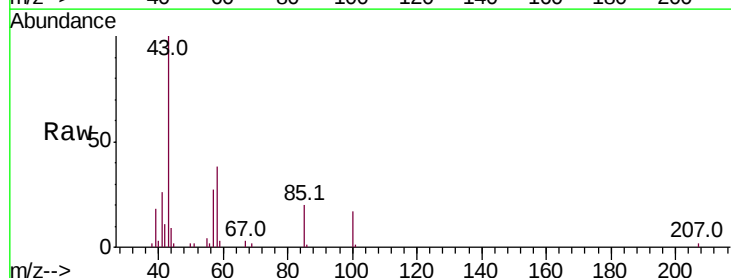
Tot Ion: 75 Resp: 5512
 Ion Ratio Lower Upper
 75 100
 77 35.1 22.0 41.0

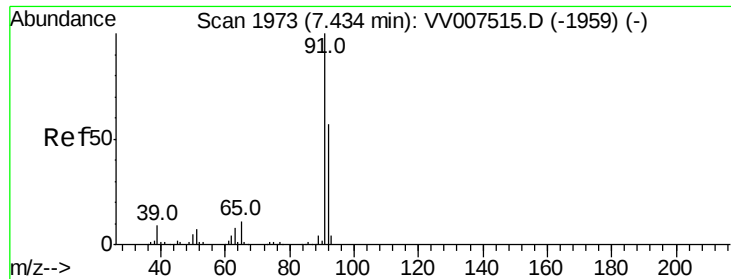


#40

4-Methyl-2-pentanone
 Concen: 4.788 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion: 43 Resp: 19960
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.6 49.0
 100 16.5 13.5 20.3





#42

Toluene

Concen: 0.524 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

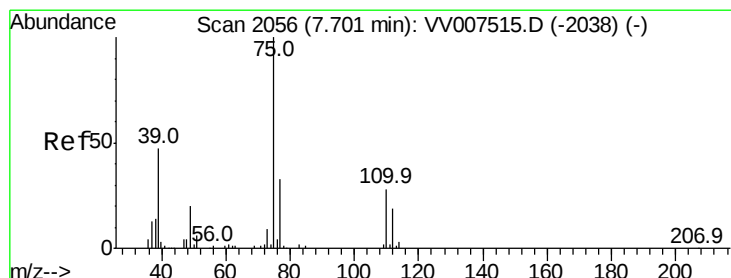
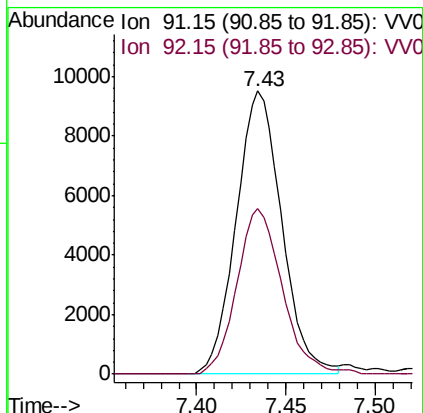
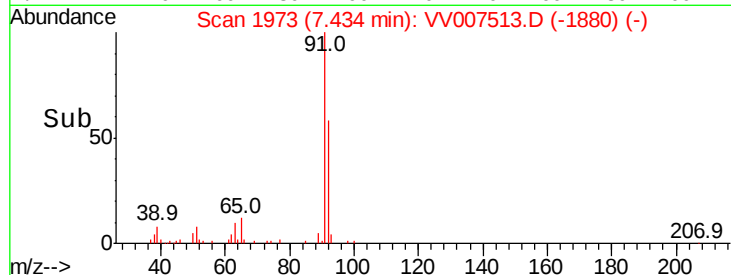
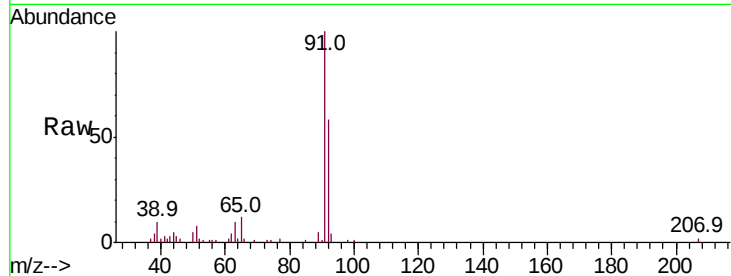
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 16975

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007513.D

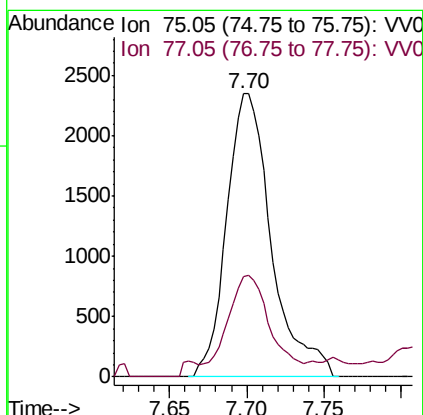
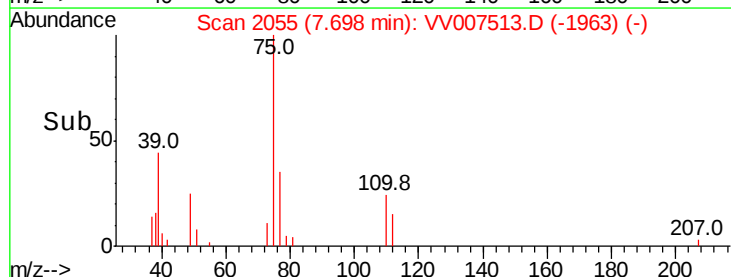
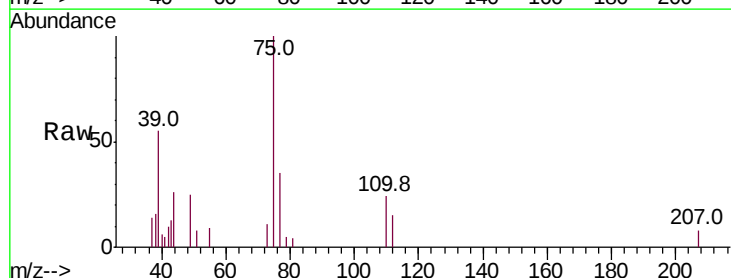
Acq: 13 Sep 2018 17:02

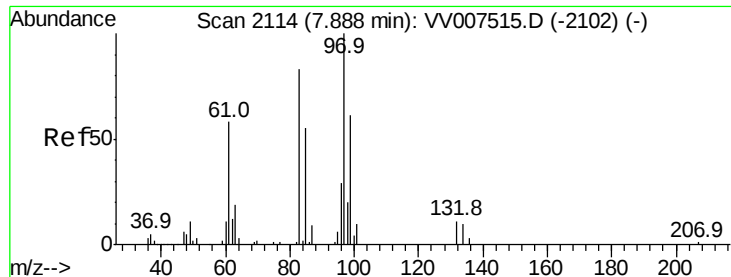
Tgt Ion: 75 Resp: 4715

Ion Ratio Lower Upper

75 100

77 35.3 23.4 43.4

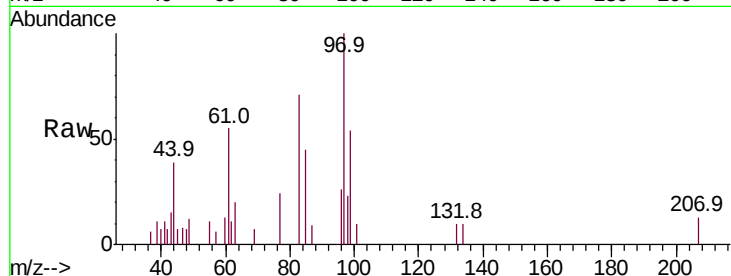




#45
 1,1,2-Trichloroethane
 Concen: 0.526 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	2948
Ion	Ratio	Lower	Upper
97	100		
99	54.4	42.9	79.7
83	71.2	58.1	107.9
85	45.2	38.3	71.1



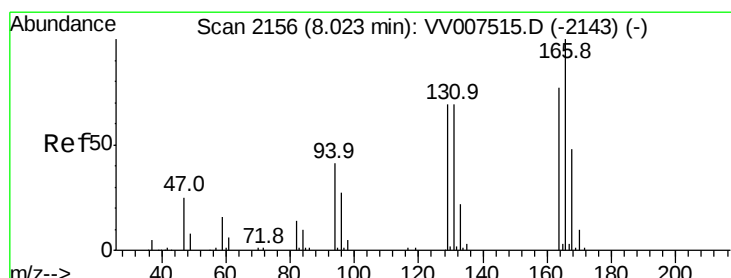
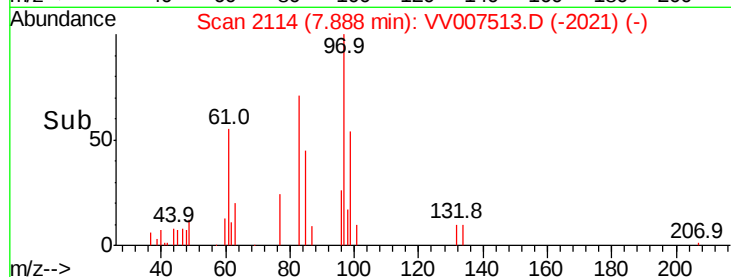
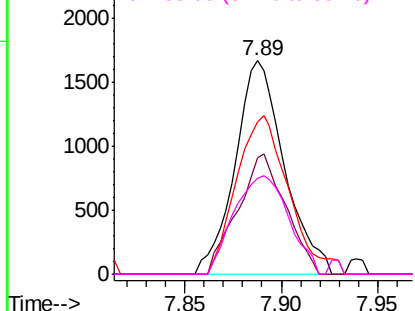
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

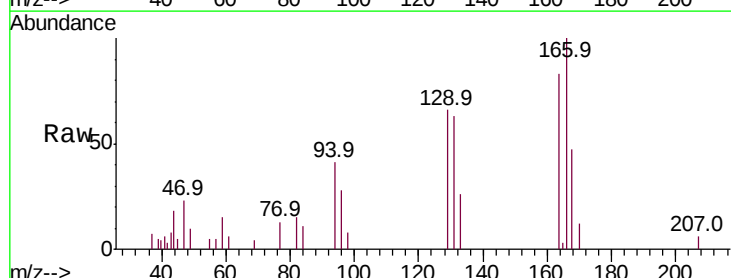
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.540 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion:	164	Resp:	4111
Ion	Ratio	Lower	Upper
164	100		
129	79.9	61.9	115.1
131	75.5	62.1	115.3
166	120.6	90.4	167.8



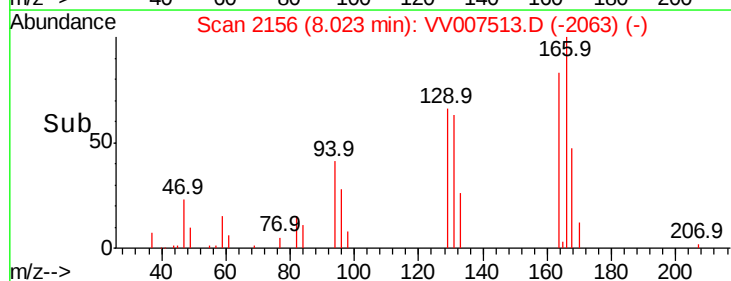
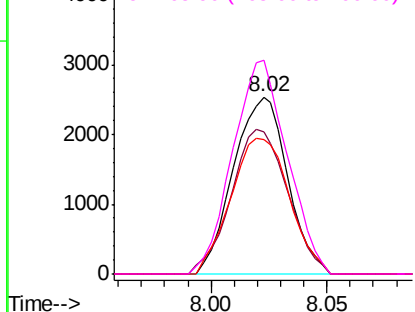
Abundance

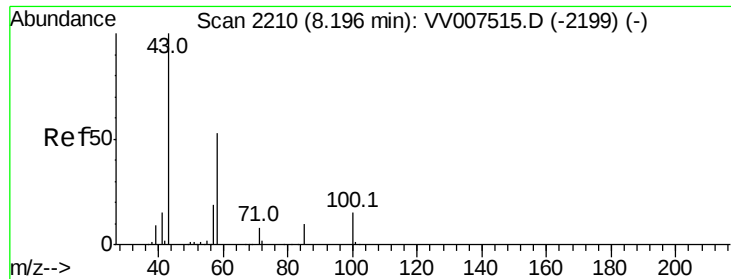
Ion 163.90 (163.60 to 164.60): V

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

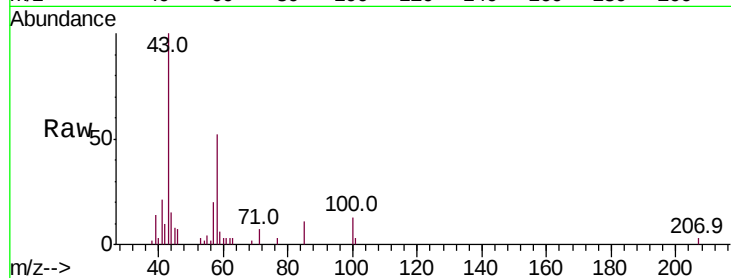




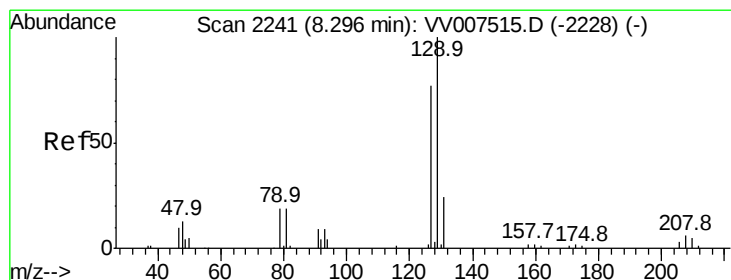
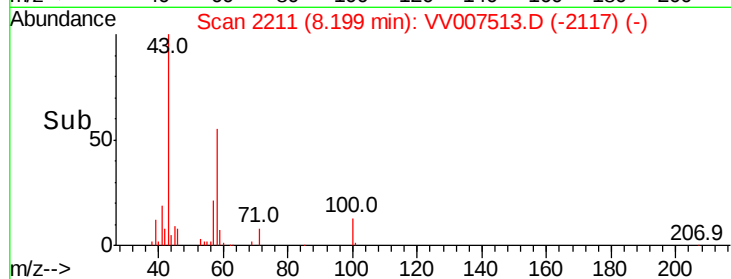
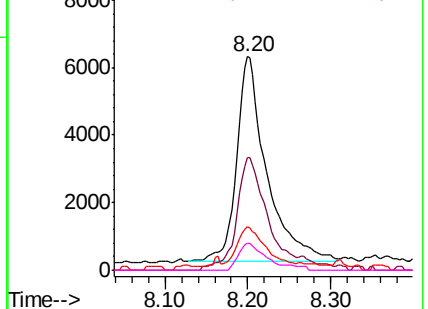
#48
2-Hexanone
Concen: 5.111 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15470
Ion Ratio Lower Upper
43 100
58 55.1 49.8 74.6
57 15.9 18.2 27.4#
100 11.3 11.0 16.4

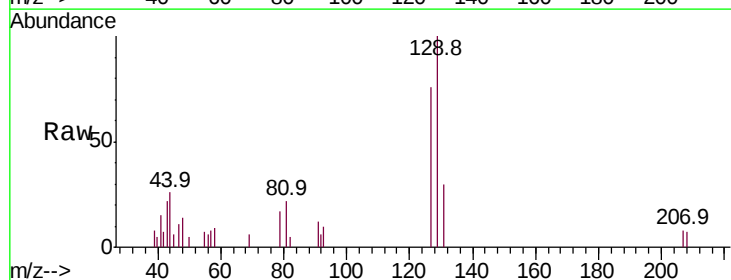


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

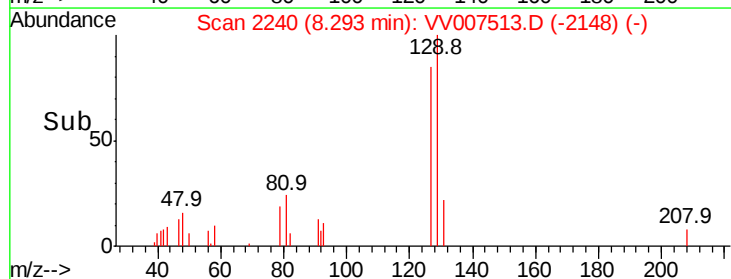
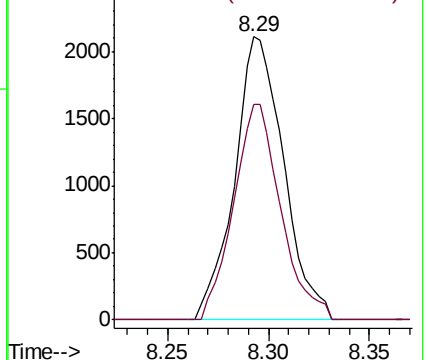


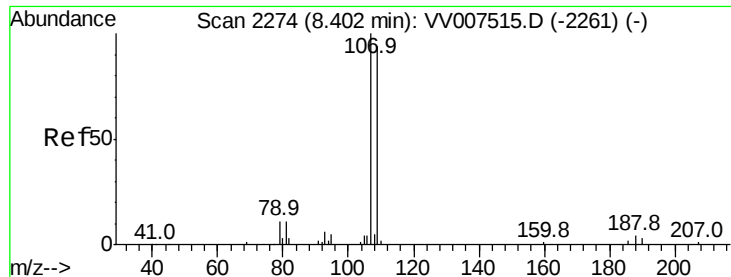
#49
Dibromochloromethane
Concen: 0.466 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Tgt Ion: 129 Resp: 3594
Ion Ratio Lower Upper
129 100
127 76.0 53.8 100.0



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

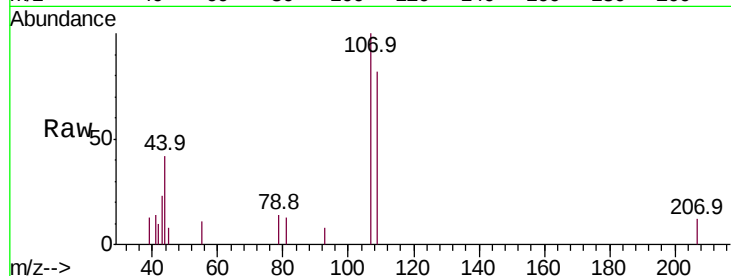




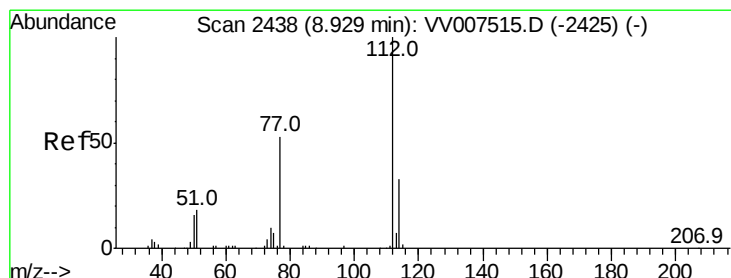
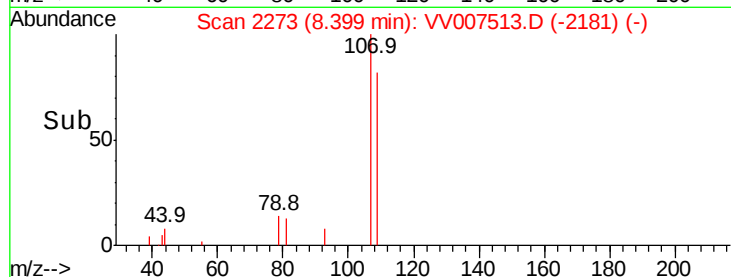
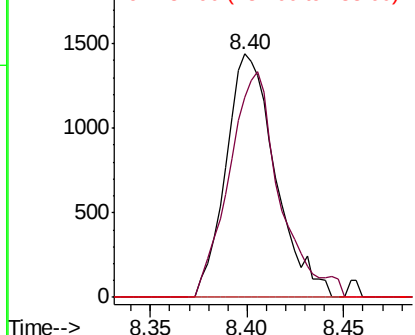
#50
 1,2-Dibromoethane
 Concen: 0.470 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 2562
 Ion Ratio Lower Upper
 107 100
 109 82.2 66.0 122.6
 188 0.0 3.3 4.9#

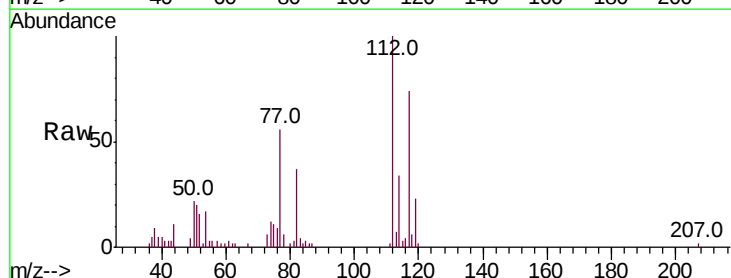


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

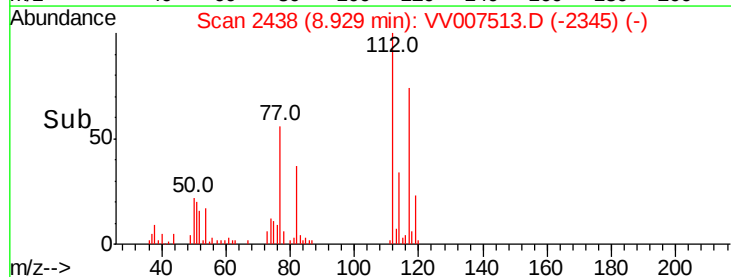
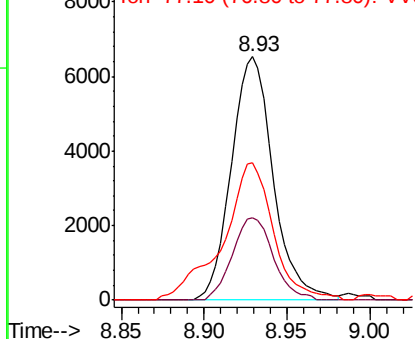


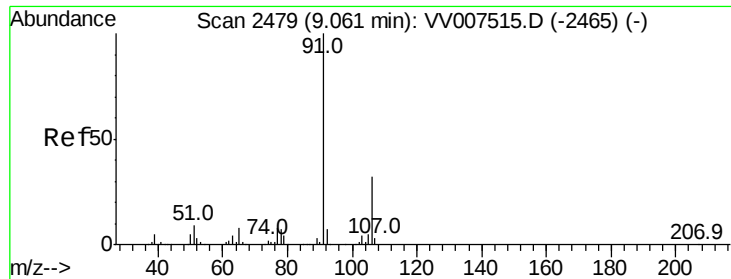
#51
 Chlorobenzene
 Concen: 0.518 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion:112 Resp: 11481
 Ion Ratio Lower Upper
 112 100
 114 34.1 22.8 42.4
 77 56.4 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: 0.502 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

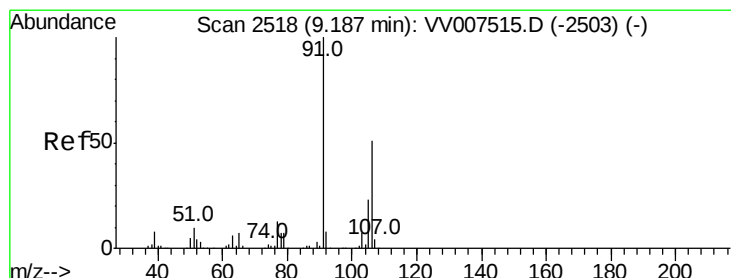
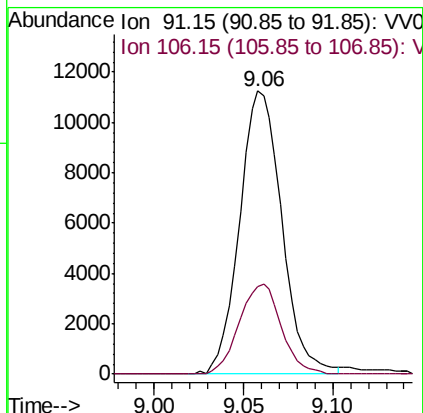
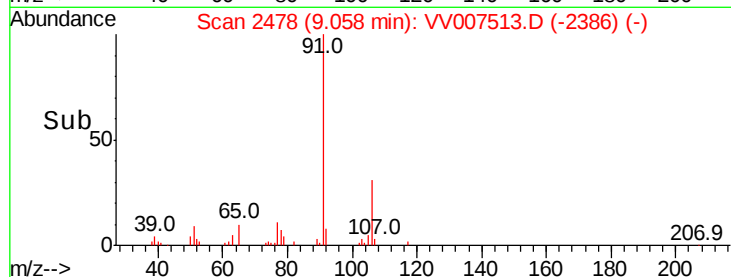
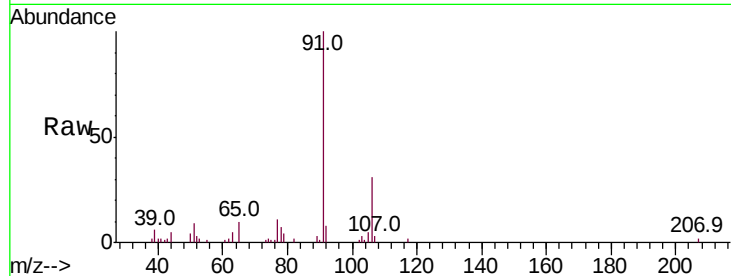
ClientSampleId :

Tot Ion: 91 Resp: 18597

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-xylene

Concen: 0.504 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007513.D

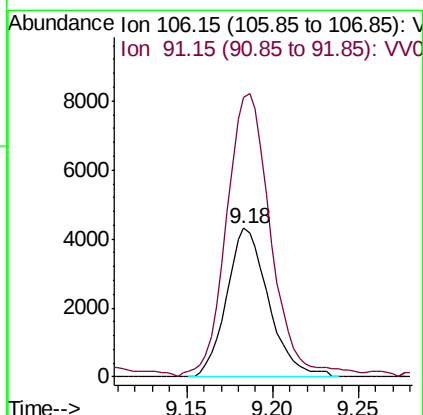
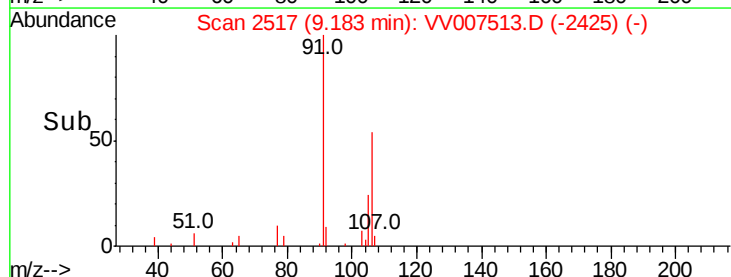
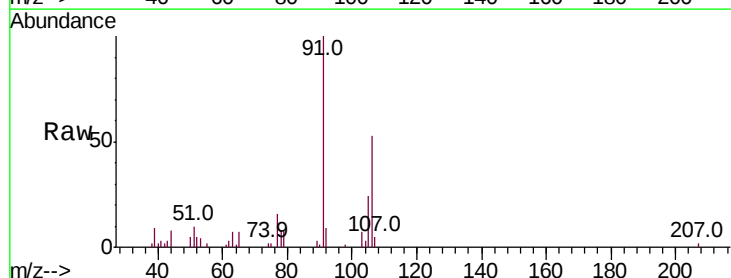
Acq: 13 Sep 2018 17:02

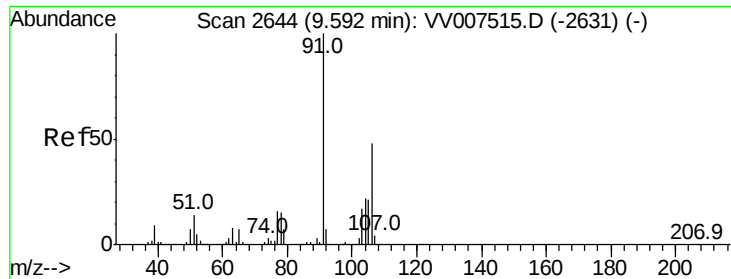
Tgt Ion: 106 Resp: 7306

Ion Ratio Lower Upper

106 100

91 188.1 137.2 254.8

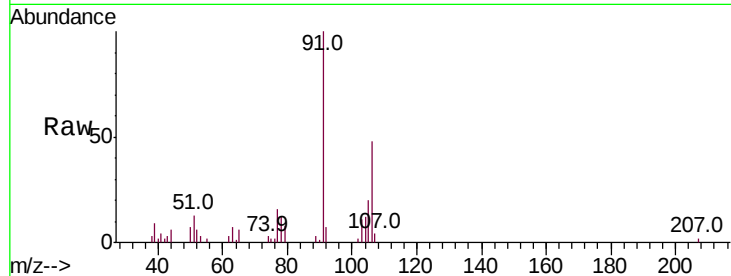




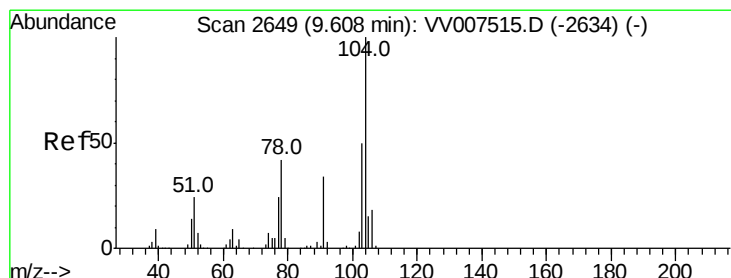
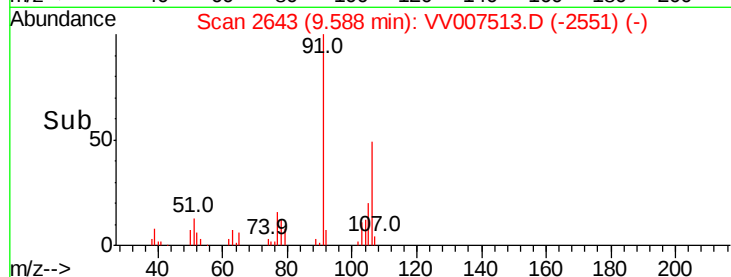
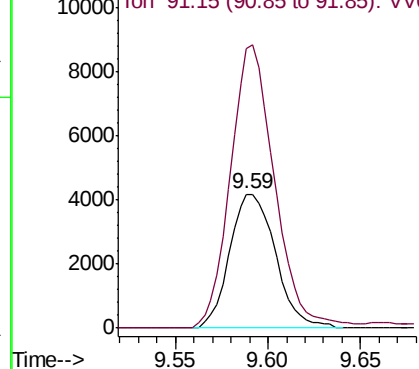
#54
o-xylene
Concen: 0.508 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 7160
Ion Ratio Lower Upper
106 100
91 208.6 147.6 274.0

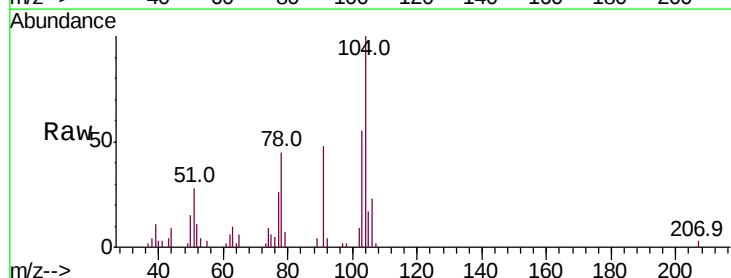


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

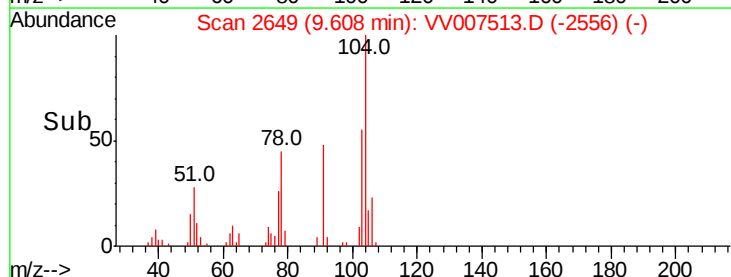
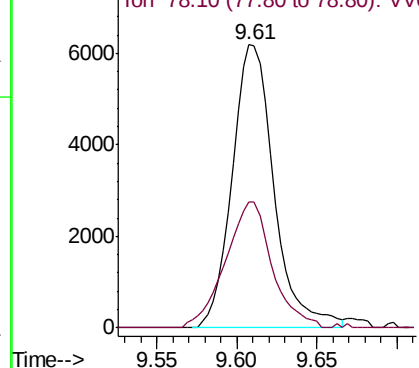


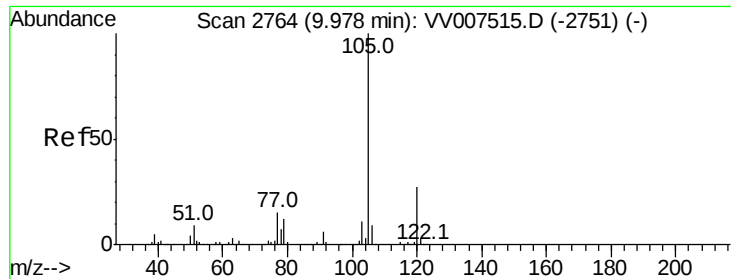
#55
Styrene
Concen: 0.478 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007513.D
Acq: 13 Sep 2018 17:02

Tgt Ion:104 Resp: 11057
Ion Ratio Lower Upper
104 100
78 44.6 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: 0.496 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

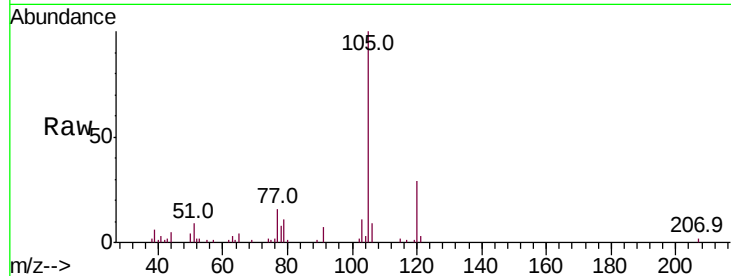
Tot Ion:105 Resp: 18842

Ion Ratio Lower Upper

105 100

120 28.8 22.2 33.2

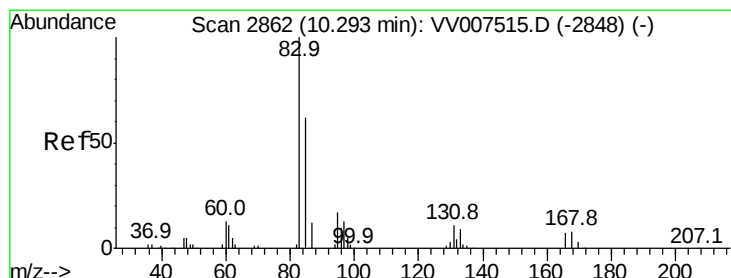
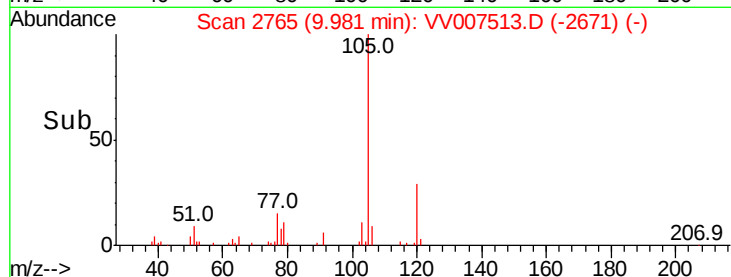
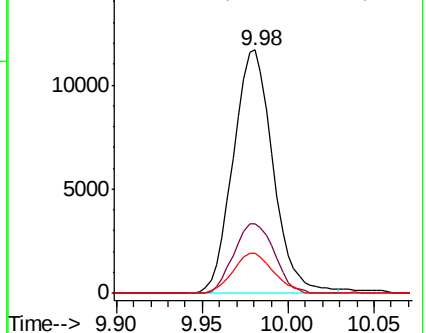
77 16.6 12.2 18.4



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: 0.389 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

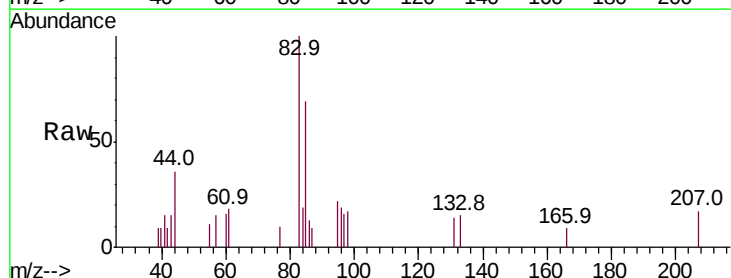
Tgt Ion: 83 Resp: 2321

Ion Ratio Lower Upper

83 100

85 69.3 43.6 81.0

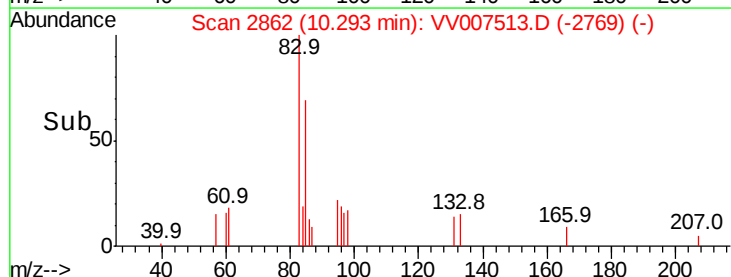
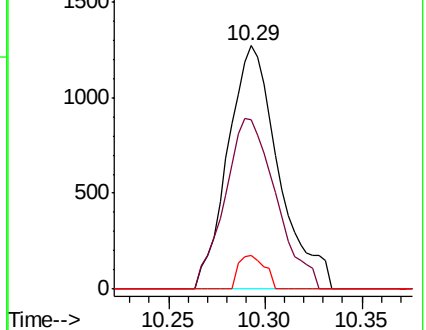
131 13.8 9.2 13.8#

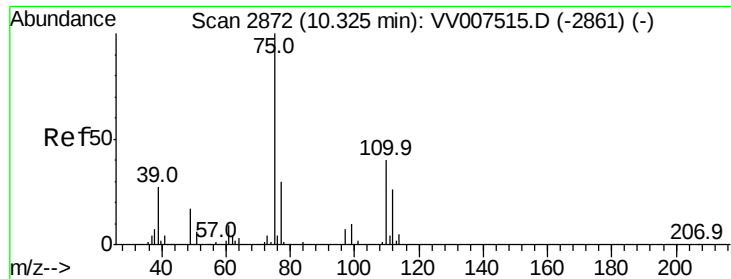


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.469 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

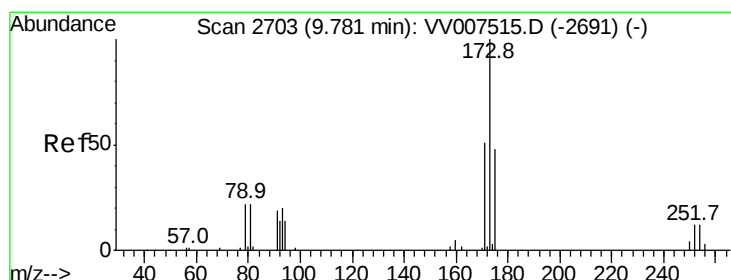
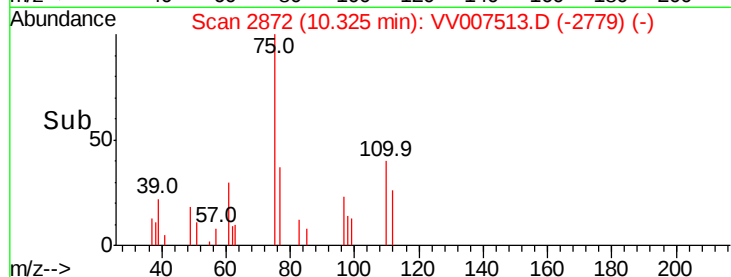
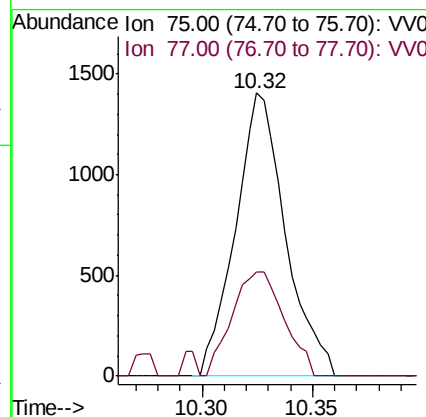
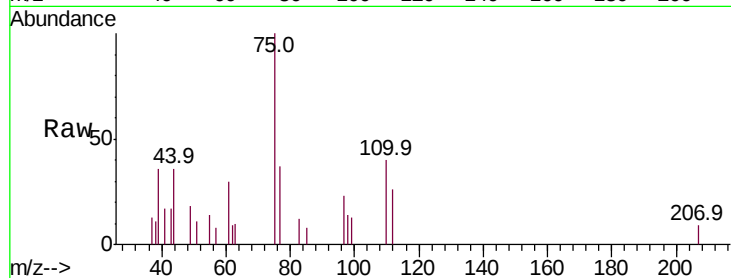
ClientSampled :

Tot Ion: 75 Resp: 2211

Ion Ratio Lower Upper

75 100

77 38.4 25.0 37.6#



#61

Bromoform

Concen: 0.415 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

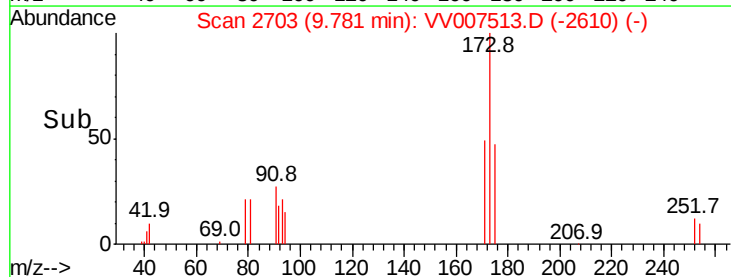
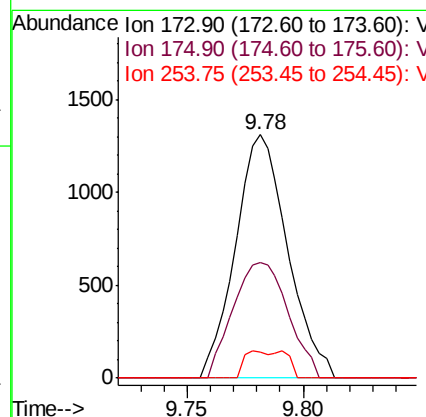
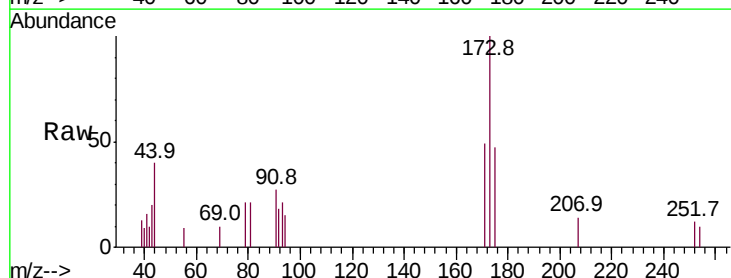
Tgt Ion: 173 Resp: 2048

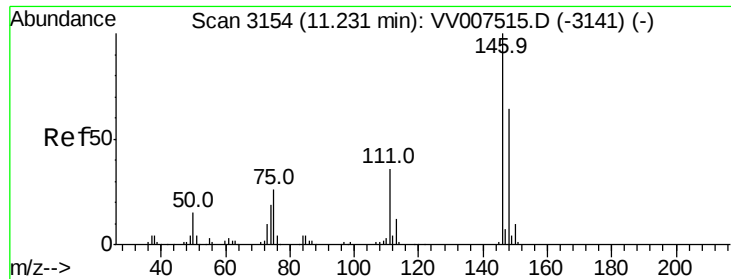
Ion Ratio Lower Upper

173 100

175 50.0 37.9 56.9

254 5.1 8.8 13.2#





#62

1,3-Dichlorobenzene

Concen: 0.525 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

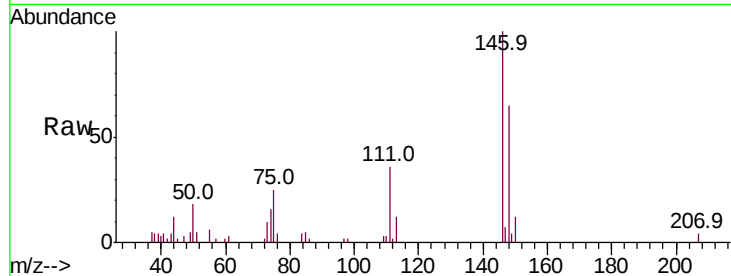
Tot Ion:146 Resp: 9722

Ion Ratio Lower Upper

146 100

111 35.9 25.3 47.1

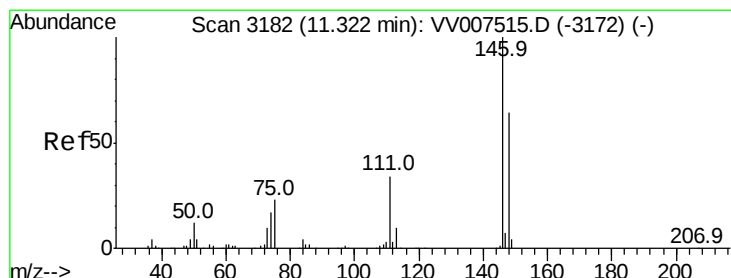
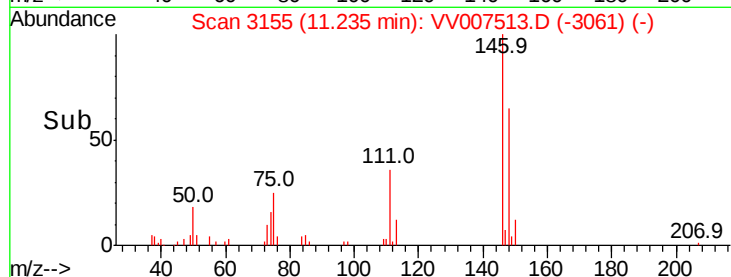
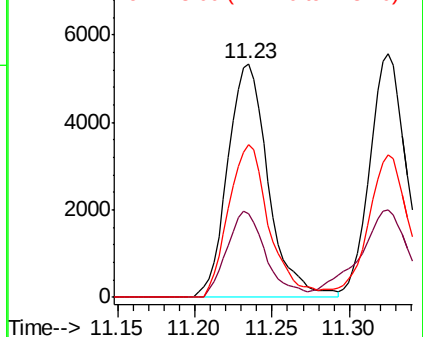
148 65.4 44.6 82.8



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: 0.524 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

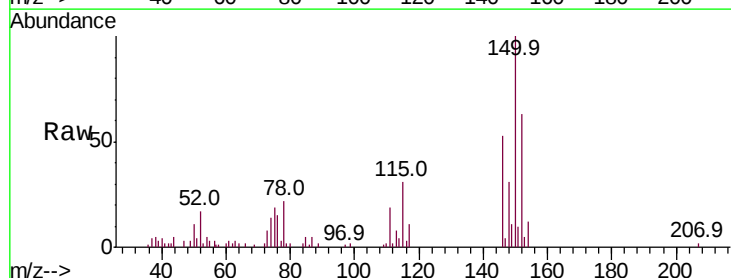
Tgt Ion:146 Resp: 9649

Ion Ratio Lower Upper

146 100

111 35.8 24.5 45.5

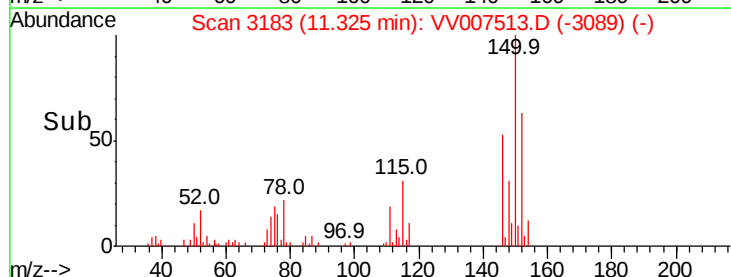
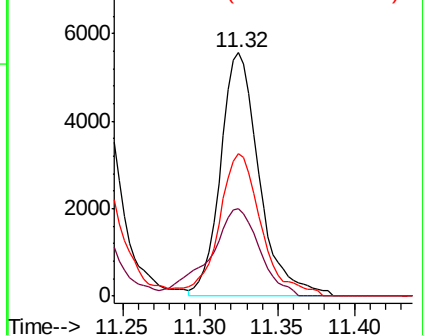
148 58.7 45.1 83.9

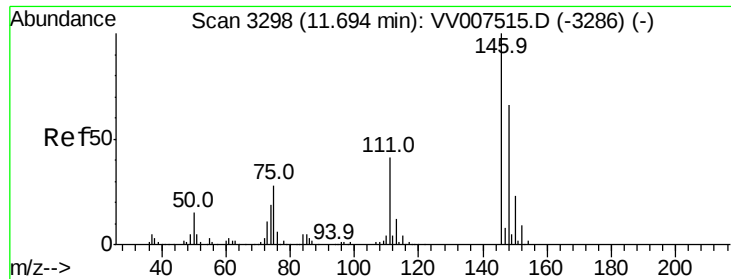


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.541 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

ClientSampleId :

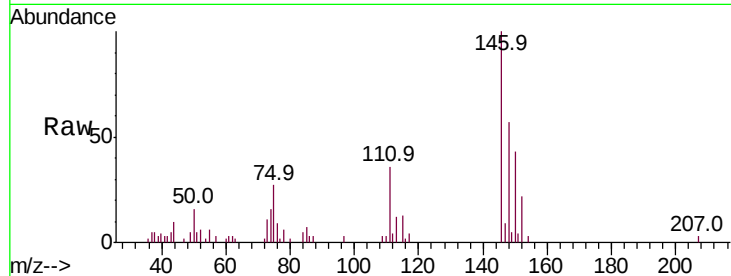
Tot Ion:146 Resp: 9393

Ion Ratio Lower Upper

146 100

111 36.0 32.7 49.1

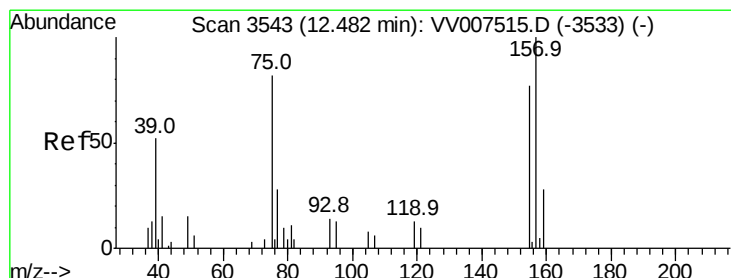
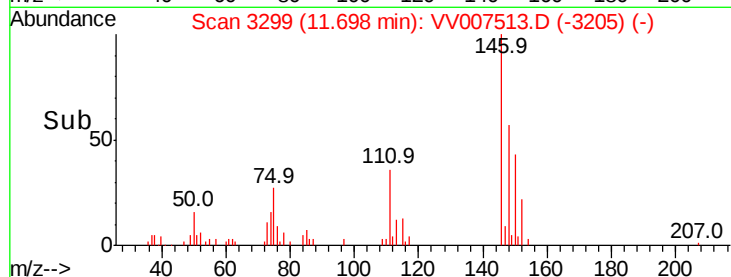
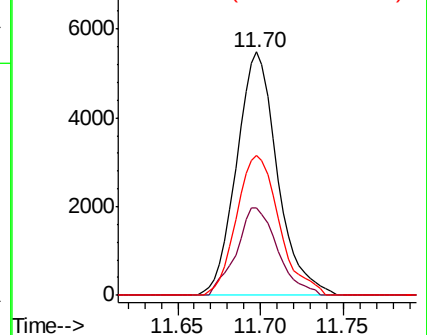
148 57.5 53.0 79.6



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: 0.302 ug/L

RT: 12.49 min Scan# 3546

Delta R.T. 0.01 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

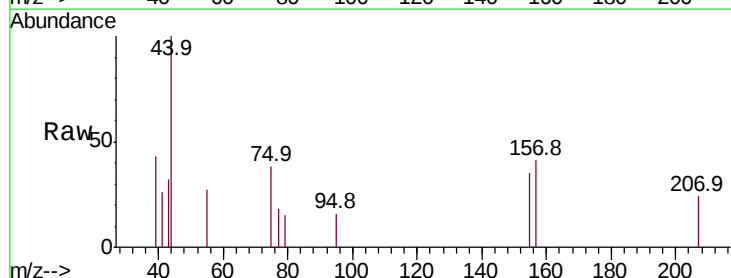
Tgt Ion: 75 Resp: 372

Ion Ratio Lower Upper

75 100

155 93.3 74.6 111.8

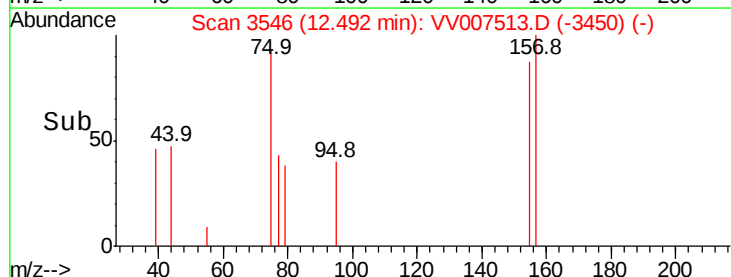
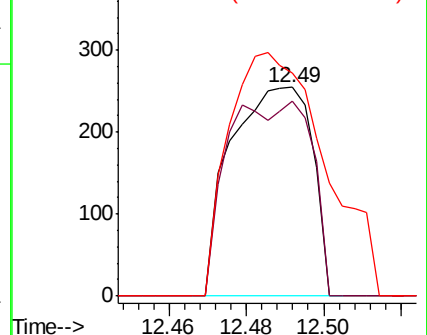
157 107.1 97.4 146.2

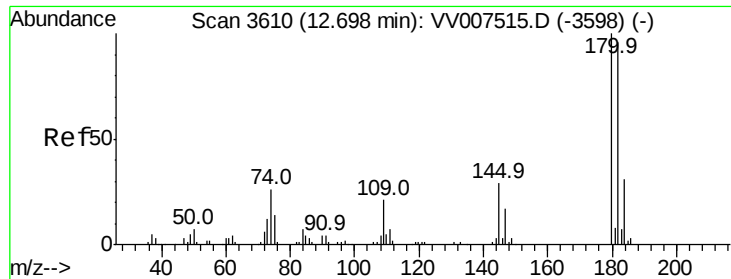


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

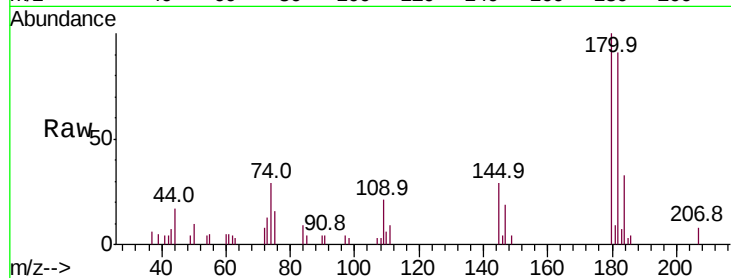




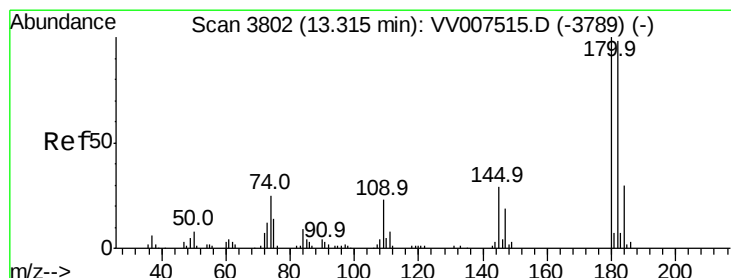
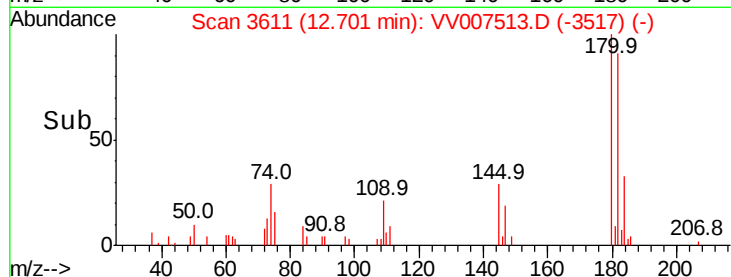
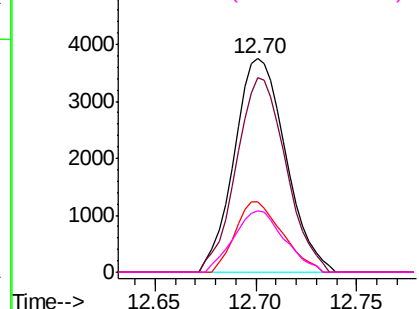
#67
 1,3,5-Trichlorobenzene
 Concen: 0.470 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6696
 Ion Ratio Lower Upper
 180 100
 182 87.7 76.1 114.1
 184 30.2 24.0 36.0
 145 28.3 22.6 34.0

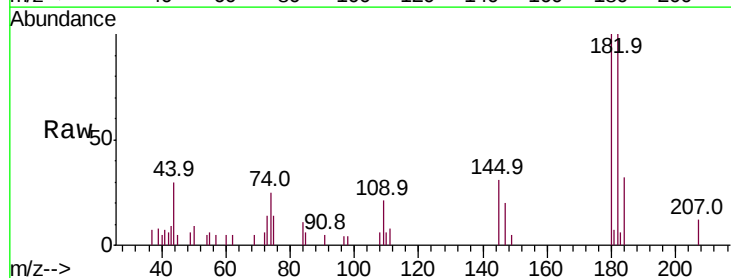


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

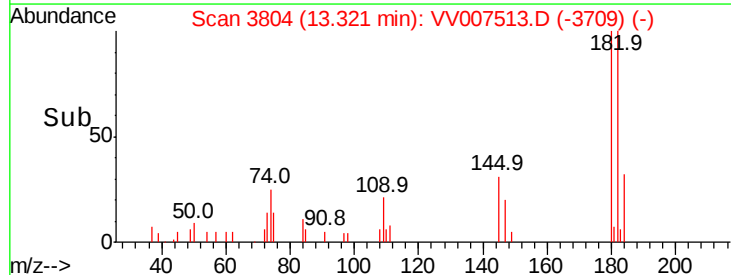
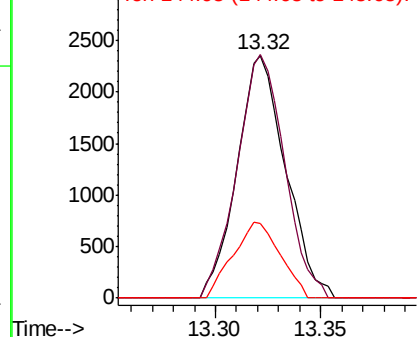


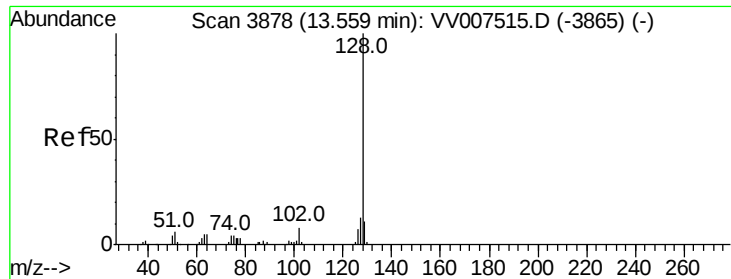
#68
 1,2,4-trichlorobenzene
 Concen: 0.350 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV007513.D
 Acq: 13 Sep 2018 17:02

Tgt Ion:180 Resp: 3766
 Ion Ratio Lower Upper
 180 100
 182 98.4 77.8 116.8
 145 30.4 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: 0.226 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

Instrument :

MSVOA_V

ClientSampled :

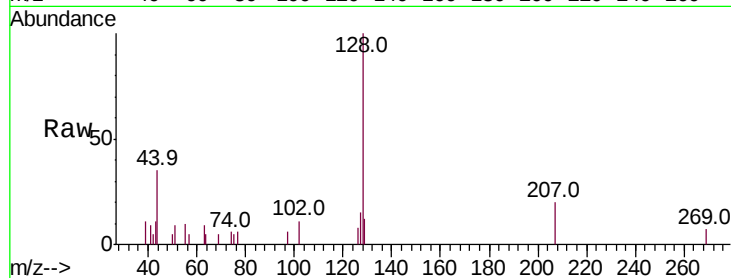
Tot Ion:128 Resp: 3650

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

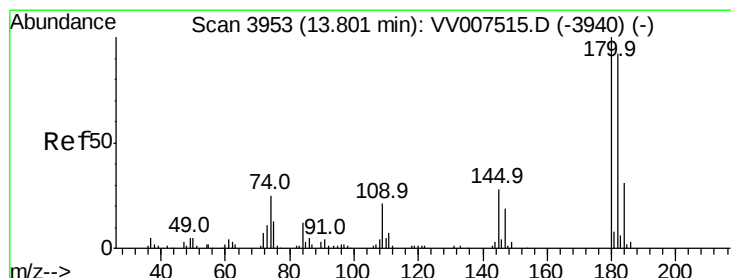
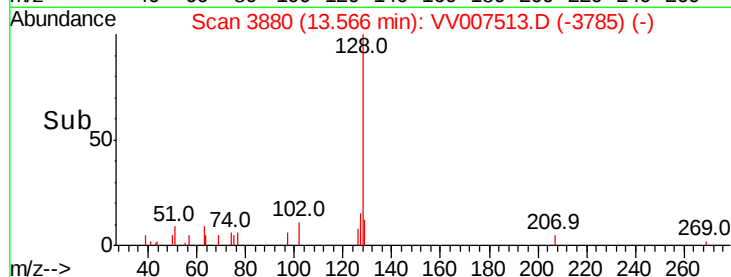
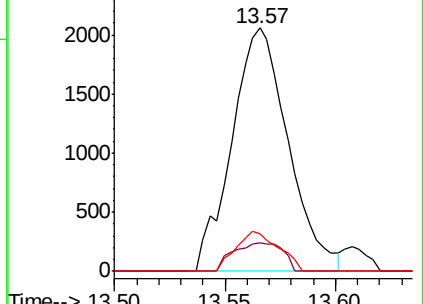
127 12.5 10.5 15.7



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: 0.383 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007513.D

Acq: 13 Sep 2018 17:02

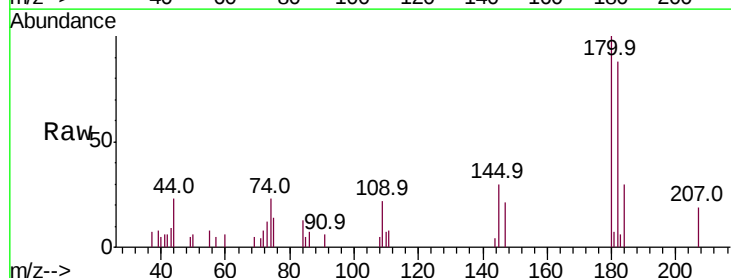
Tgt Ion:180 Resp: 3853

Ion Ratio Lower Upper

180 100

182 92.9 75.5 113.3

145 30.3 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

