

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007168.D
 Acq On : 24 Aug 2018 14:02
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:20:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	533780	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	497522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	194867	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19026	5.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	14497	6.36	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	31927	5.10	ug/L	0.00
21) 2-Butanone-d5	3.95	46	23006	8.16	ug/L	0.00
24) Chloroform-d	4.40	84	32692	4.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	20682	4.78	ug/L	0.00
32) Benzene-d6	5.10	84	64670	4.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	21061	4.61	ug/L	0.00
41) Toluene-d8	7.36	98	51779	4.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	9048	4.60	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	8804	5.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	26626	4.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	20290	5.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17409	3.660 ug/L	95
3) Chloromethane	1.25	50	24558	4.067 ug/L	97
5) Vinyl chloride	1.32	62	18641	3.748 ug/L	98
6) Bromomethane	1.52	94	5913	4.573 ug/L	97
8) Chloroethane	1.59	64	10795	3.932 ug/L	98
9) Trichlorofluoromethane	1.77	101	22094	3.659 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13609	3.697 ug/L	97
12) 1,1-Dichloroethene	2.14	96	13959	3.979 ug/L	85
13) Acetone	2.19	43	20051	9.225 ug/L	99
14) Carbon disulfide	2.32	76	43811	4.094 ug/L	97
15) Methyl Acetate	2.46	43	13793	3.458 ug/L	93
16) Methylene chloride	2.54	84	15149	3.758 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	14757	3.888 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	40975	3.532 ug/L	97
19) 1,1-Dichloroethane	3.23	63	27274	3.487 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	16750	3.784 ug/L	96
22) 2-Butanone	4.03	43	23240	6.765 ug/L	96
25) Chloroform	4.43	83	27802	3.626 ug/L	92
27) 1,2-Dichloroethane	5.19	62	20019	3.456 ug/L #	91
29) Cyclohexane	4.72	56	18968	3.073 ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	21081	3.379 ug/L	97
31) Carbon tetrachloride	4.88	117	17797	3.384 ug/L	94
33) Benzene	5.15	78	54742	3.261 ug/L	100
34) Trichloroethene	5.96	95	15157	3.780 ug/L	96
35) Methylcyclohexane	6.18	83	20120	3.142 ug/L	97
37) 1,2-Dichloropropane	6.23	63	15742	3.514 ug/L #	90
38) Bromodichloromethane	6.56	83	19133	3.569 ug/L #	97
39) cis-1,3-Dichloropropene	7.08	75	20698	3.414 ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	29552	5.451 ug/L	95
42) Toluene	7.44	91	49876	3.073 ug/L	94

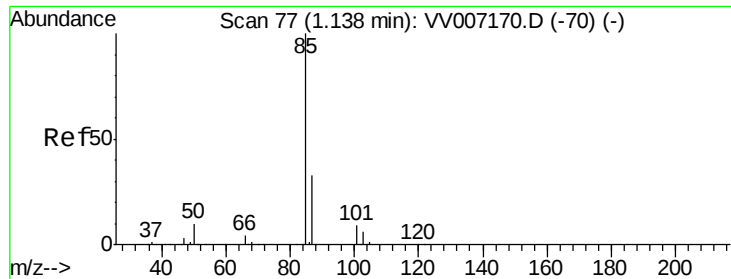
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007168.D
 Acq On : 24 Aug 2018 14:02
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:20:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.70	75	18178	3.227	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	14453	3.460	ug/L	95
46) Tetrachloroethene	8.02	164	12135	3.718	ug/L	96
48) 2-Hexanone	8.19	43	25155	5.849	ug/L	91
49) Dibromochloromethane	8.29	129	14613	3.477	ug/L	93
50) 1,2-Dibromoethane	8.40	107	13682	3.315	ug/L	94
51) Chlorobenzene	8.93	112	38096	3.538	ug/L	96
52) Ethylbenzene	9.06	91	50317	3.049	ug/L	96
53) m,p-Xylene	9.19	106	18781	2.975	ug/L	95
54) o-xylene	9.59	106	17113	2.802	ug/L	100
55) Styrene	9.61	104	25970	2.466	ug/L	92
56) Isopropylbenzene	9.98	105	43071	2.789	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	22520	3.156	ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	29184	5.089	ug/L	97
61) Bromoform	9.78	173	9262	3.534	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	24363	3.883	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	26498	3.984	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	25239	3.683	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3567	3.694	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.70	180	15059	3.473	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	9800	3.307	ug/L	94
69) Naphthalene	13.56	128	31508	3.930	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	10905	3.390	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.660 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

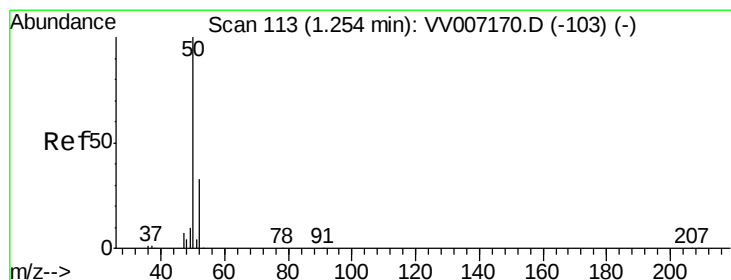
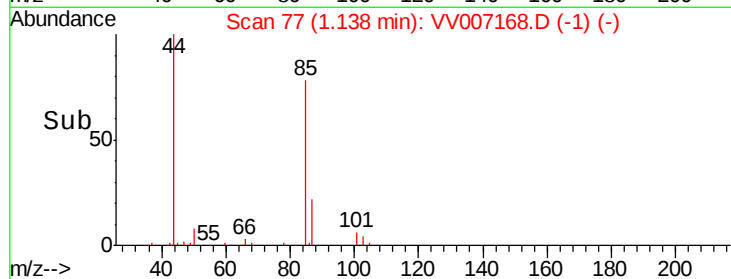
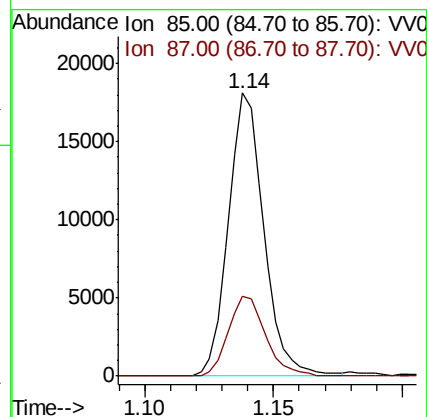
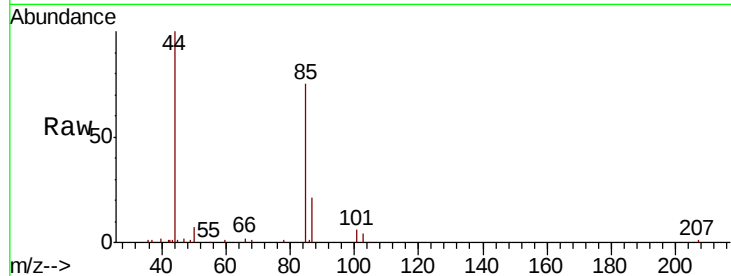
ClientSampleId :

Tot Ion: 85 Resp: 17409

Ion Ratio Lower Upper

85 100

87 29.6 26.1 39.1



#3

Chloromethane

Concen: 4.067 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007168.D

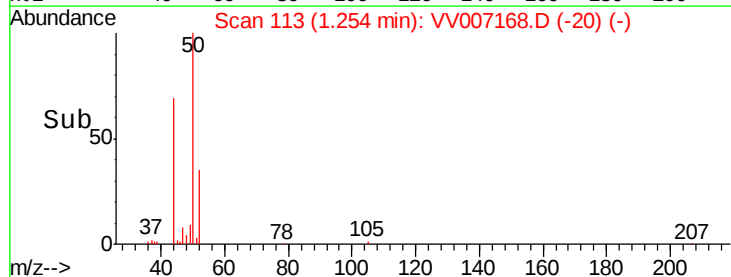
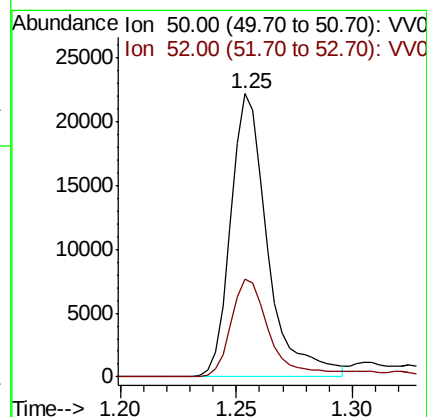
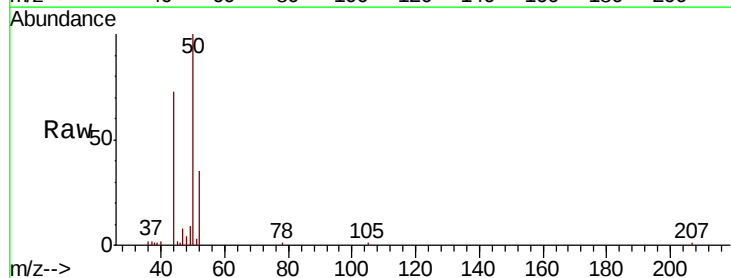
Acq: 24 Aug 2018 14:02

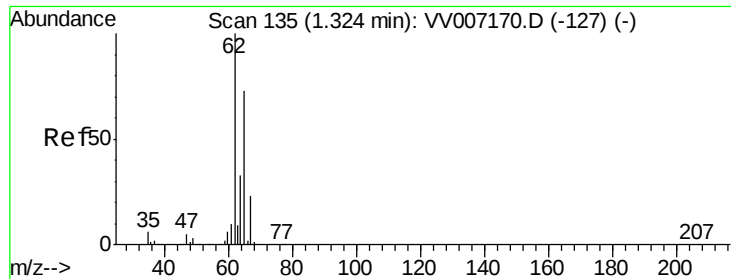
Tgt Ion: 50 Resp: 24558

Ion Ratio Lower Upper

50 100

52 34.6 23.0 42.8





#5

Vinyl chloride

Concen: 3.748 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

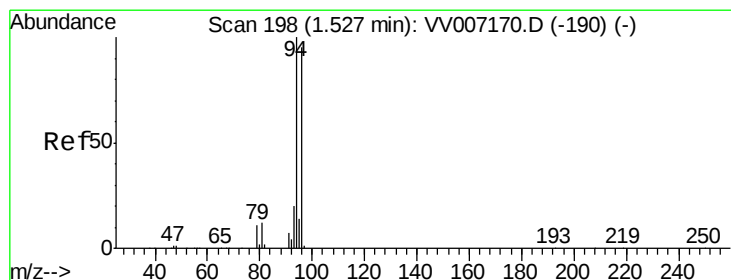
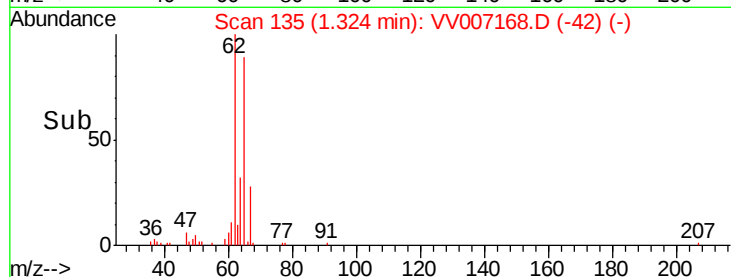
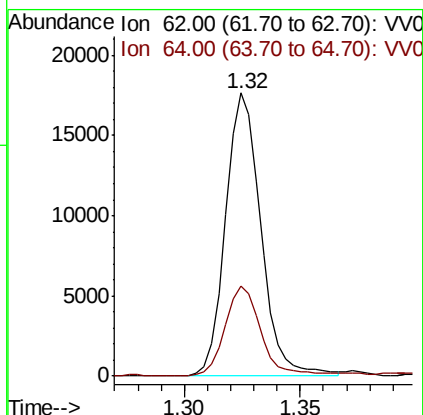
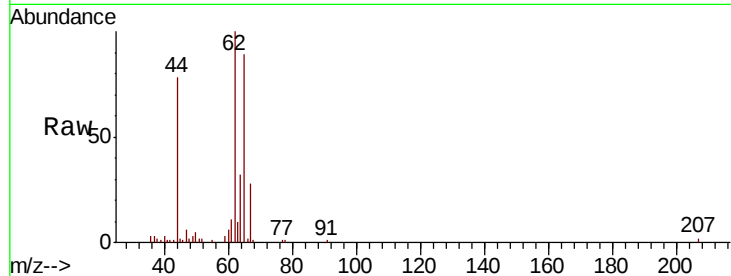
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 18641

Ion Ratio Lower Upper

62 100

64 31.7 22.9 42.5



#6

Bromomethane

Concen: 4.573 ug/L

RT: 1.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VV007168.D

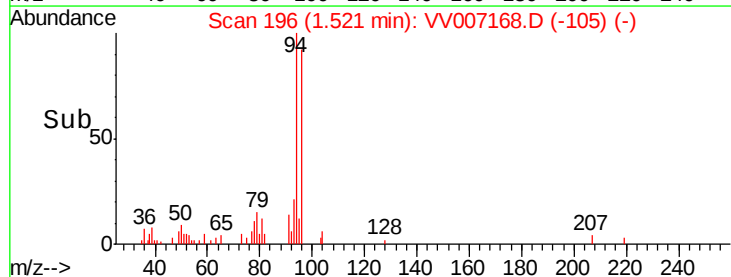
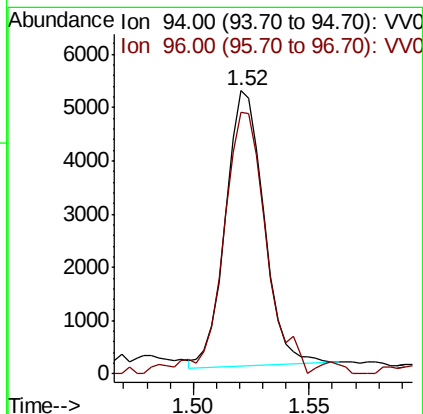
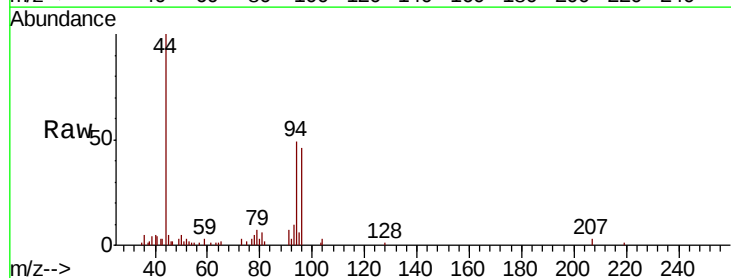
Acq: 24 Aug 2018 14:02

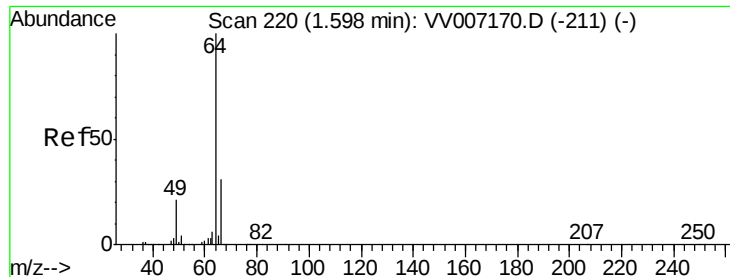
Tgt Ion: 94 Resp: 5913

Ion Ratio Lower Upper

94 100

96 92.3 66.7 123.9





#8

Chloroethane

Concen: 3.932 ug/L

RT: 1.59 min Scan# 219

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

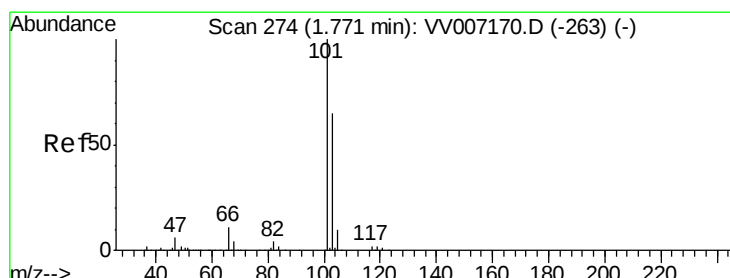
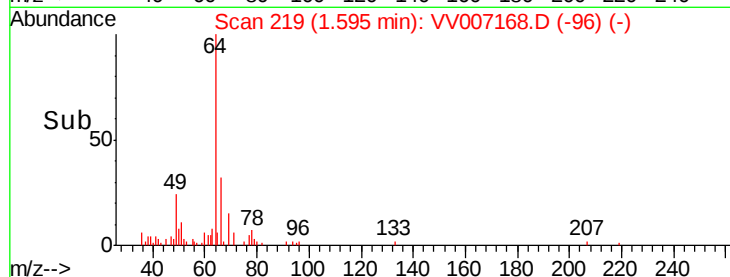
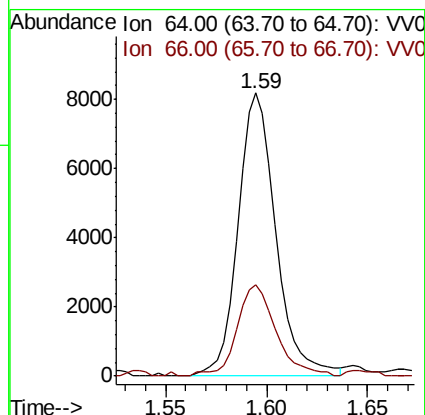
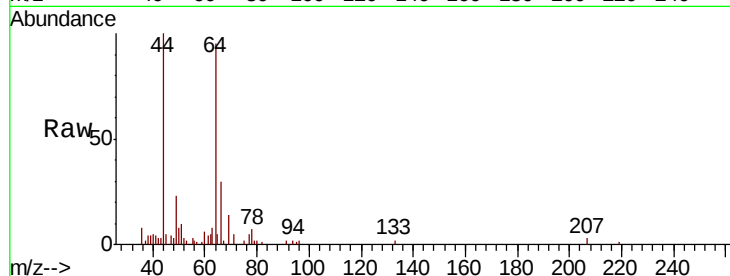
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 10795

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 3.659 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007168.D

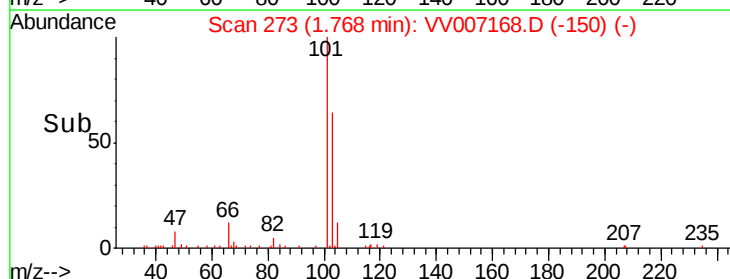
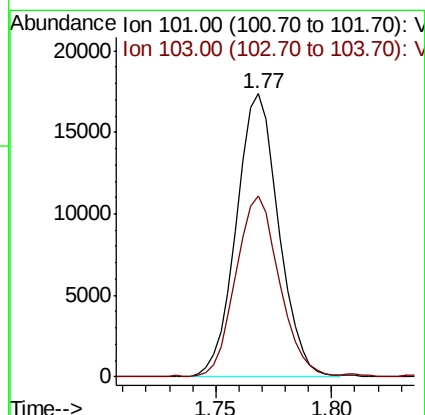
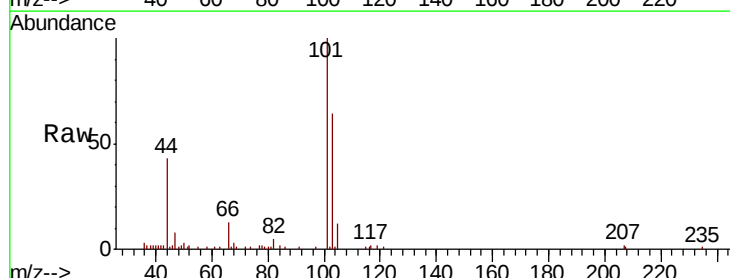
Acq: 24 Aug 2018 14:02

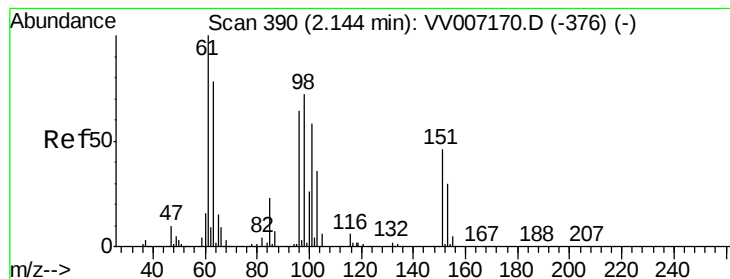
Tgt Ion: 101 Resp: 22094

Ion Ratio Lower Upper

101 100

103 65.8 51.2 76.8





#10

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

Concen: 3.697 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.01 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

ClientSampleId :

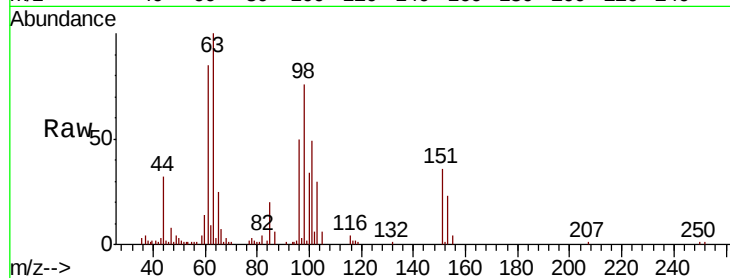
Tot Ion:101 Resp: 13609

Ion Ratio Lower Upper

101 100

85 43.1 31.8 47.8

151 78.8 64.0 96.0



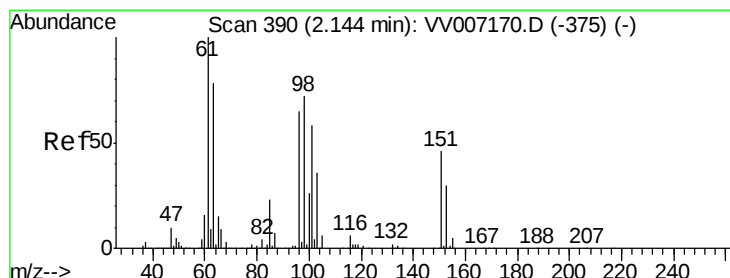
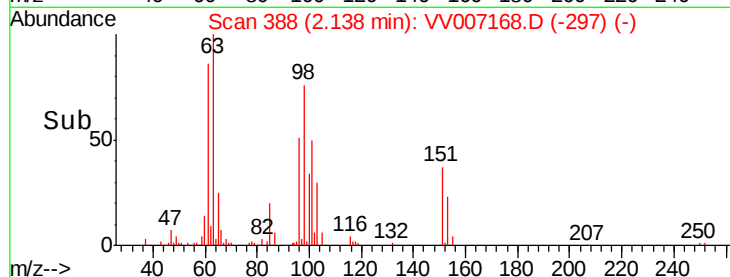
Abundance Ion 101.00 (100.70 to 101.70): VV007170.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV007170.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV007170.D (-376) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 3.979 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

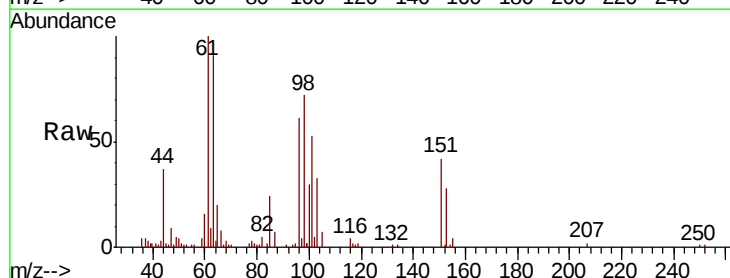
Tgt Ion: 96 Resp: 13959

Ion Ratio Lower Upper

96 100

61 164.2 108.5 201.5

63 148.8 84.9 157.7



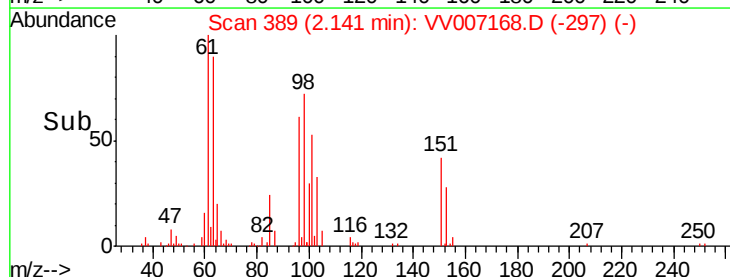
Abundance Ion 96.00 (95.70 to 96.70): VV007168.D (-297) (-)

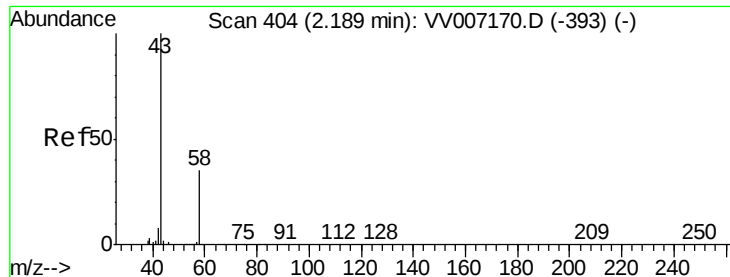
Ion 61.00 (60.70 to 61.70): VV007168.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007168.D (-297) (-)

2.14

Time-->





#13

Acetone

Concen: 9.225 ug/L

RT: 2.19 min Scan# 404

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

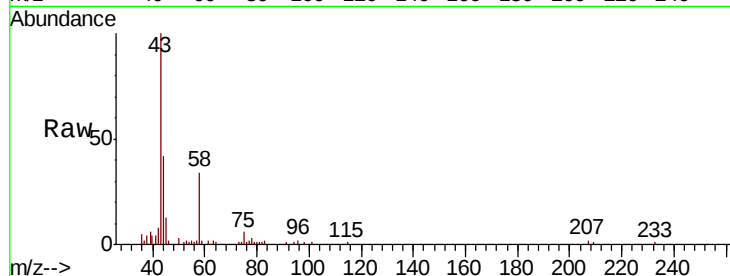
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 20051

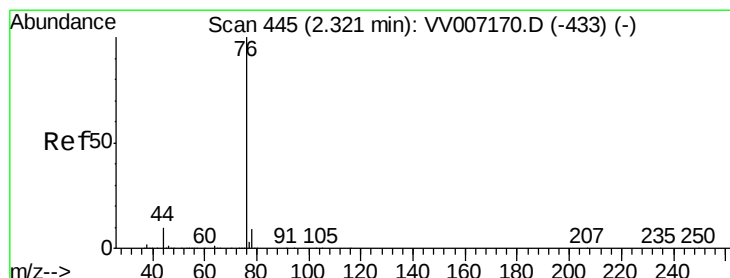
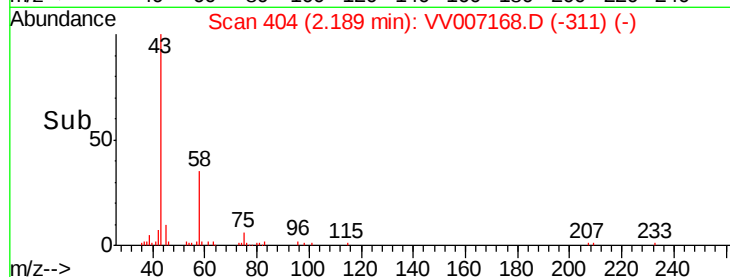
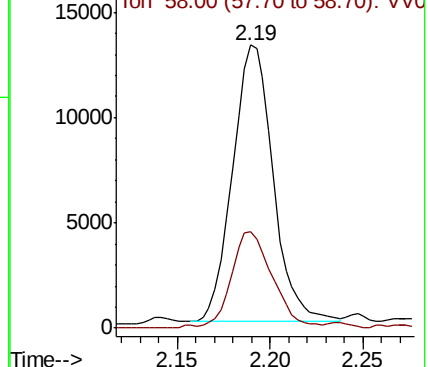
Ion Ratio Lower Upper

43 100

58 35.2 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-393) (-)



#14

Carbon disulfide

Concen: 4.094 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007168.D

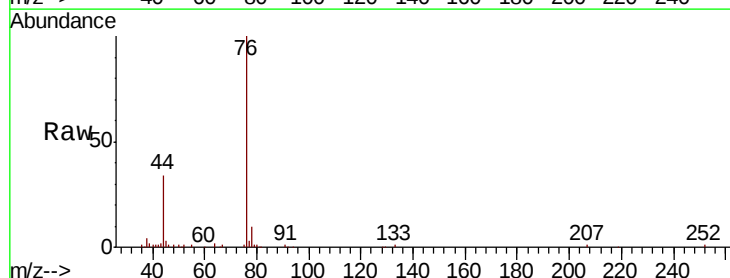
Acq: 24 Aug 2018 14:02

Tgt Ion: 76 Resp: 43811

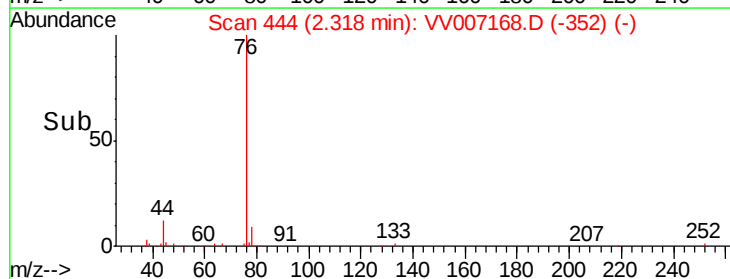
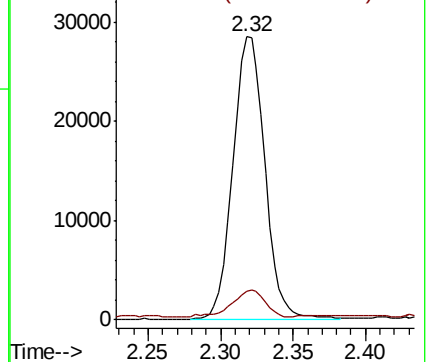
Ion Ratio Lower Upper

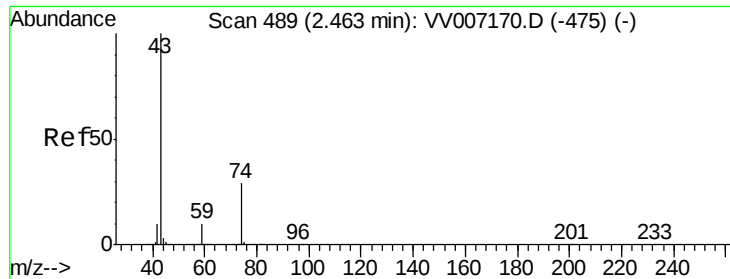
76 100

78 10.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007170.D (-433) (-)

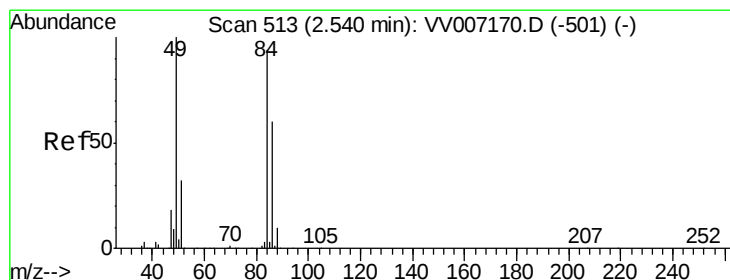
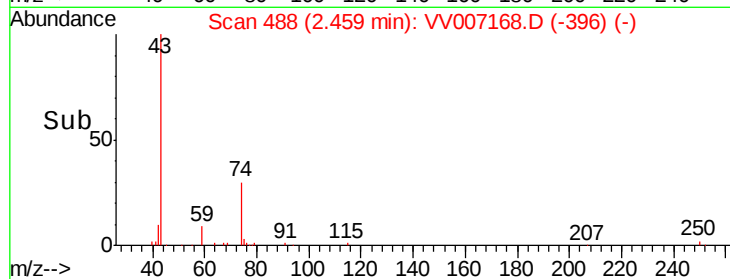
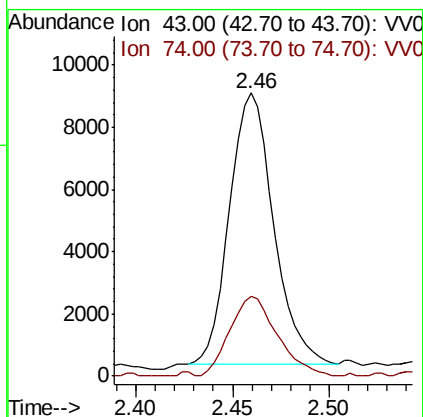
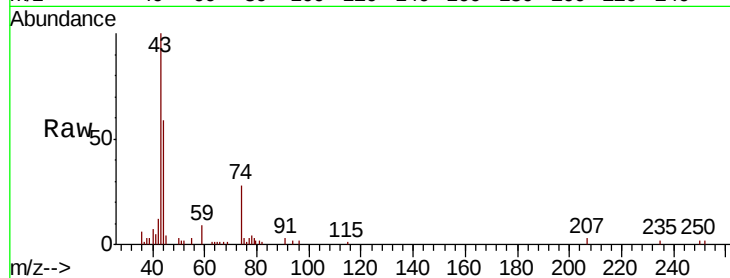




#15
Methyl Acetate
Concen: 3.458 ug/L
RT: 2.46 min Scan# 488
Delta R.T. -0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

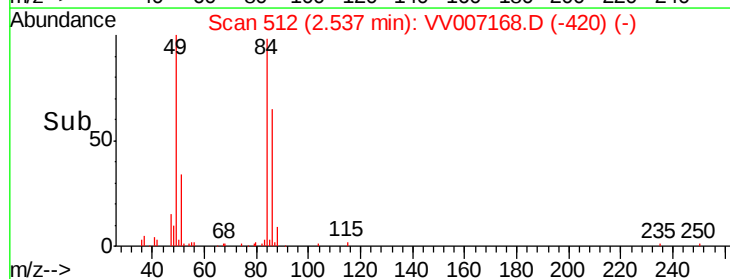
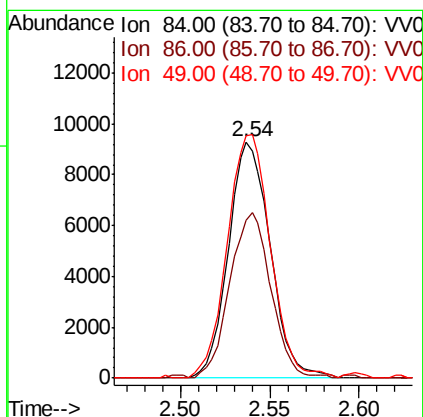
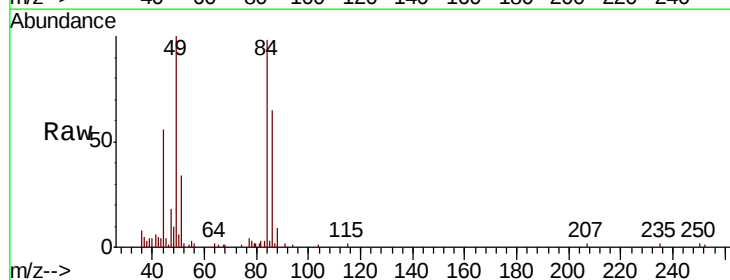
Instrument :
MSVOA_V
ClientSampled :

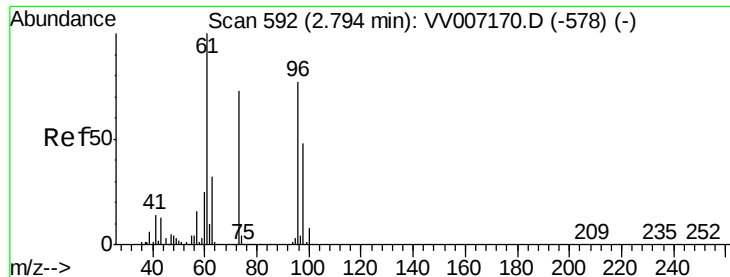
Tot Ion: 43 Resp: 13793
Ion Ratio Lower Upper
43 100
74 31.8 22.6 33.8



#16
Methylene chloride
Concen: 3.758 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 84 Resp: 15149
Ion Ratio Lower Upper
84 100
86 67.1 44.9 83.3
49 102.5 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 3.888 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

ClientSampled :

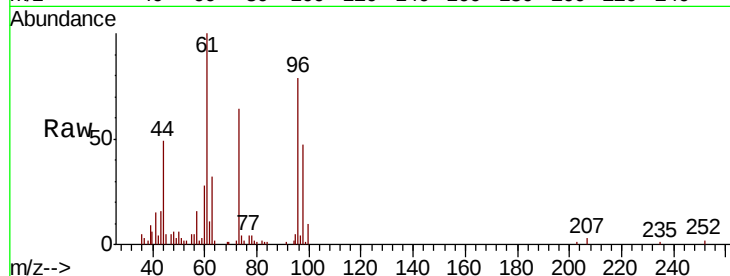
Tot Ion: 96 Resp: 14757

Ion Ratio Lower Upper

96 100

61 126.9 90.6 168.2

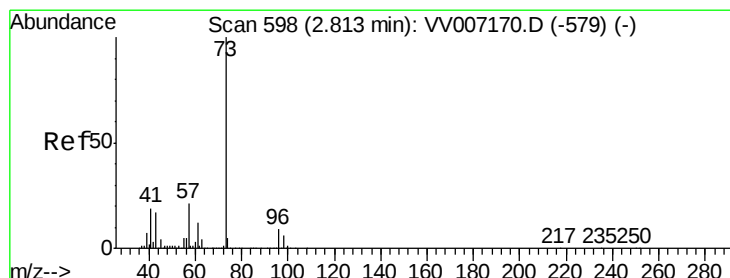
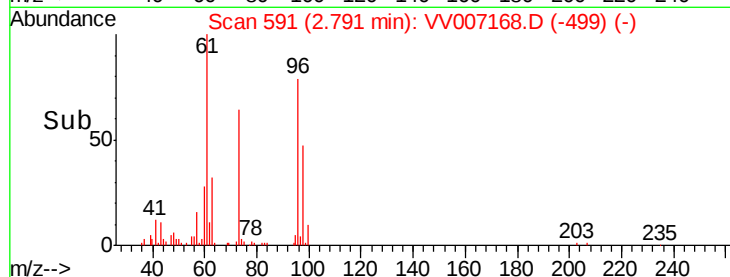
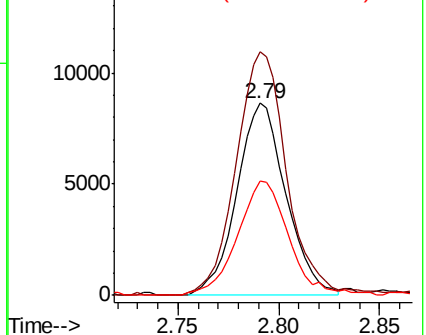
98 59.3 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VV007170.D (-578) (-)

Ion 61.00 (60.70 to 61.70): VV007170.D (-578) (-)

Ion 98.00 (97.70 to 98.70): VV007170.D (-578) (-)



#18

Methyl tert-butyl Ether

Concen: 3.532 ug/L

RT: 2.81 min Scan# 596

Delta R.T. -0.01 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

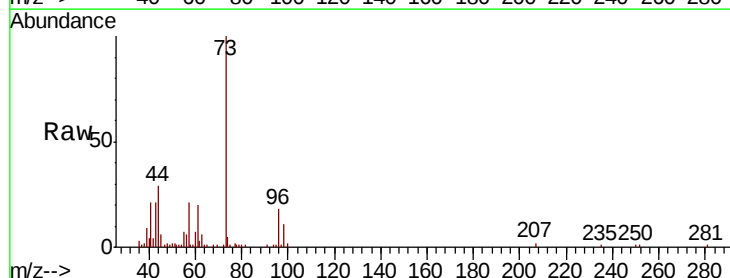
Tgt Ion: 73 Resp: 40975

Ion Ratio Lower Upper

73 100

43 17.6 13.7 20.5

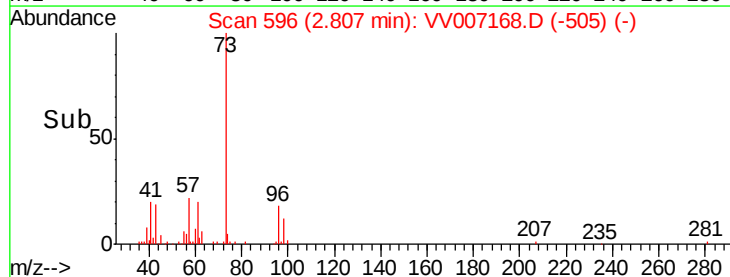
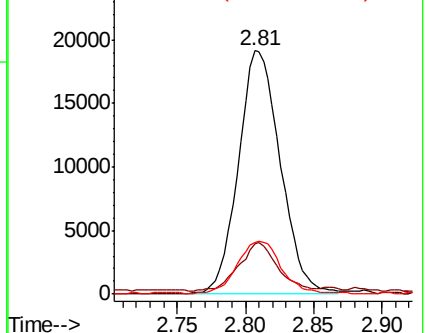
57 22.9 16.8 25.2

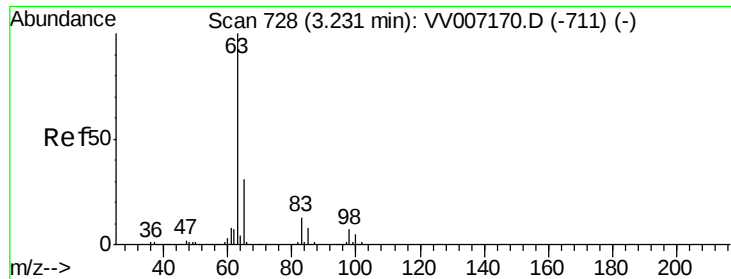


Abundance Ion 73.00 (72.70 to 73.70): VV007170.D (-579) (-)

Ion 43.00 (42.70 to 43.70): VV007170.D (-579) (-)

Ion 57.00 (56.70 to 57.70): VV007170.D (-579) (-)

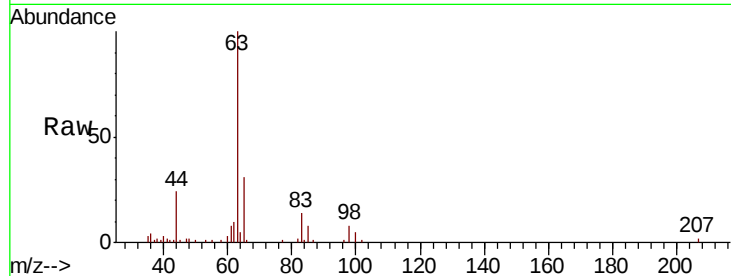




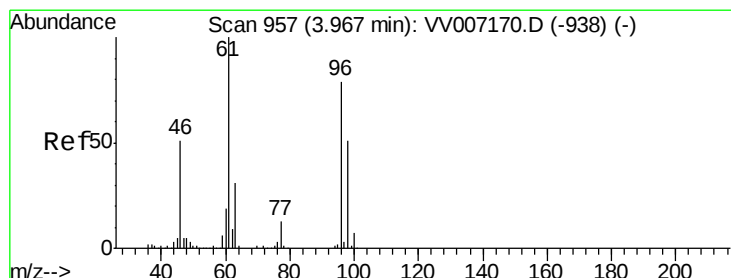
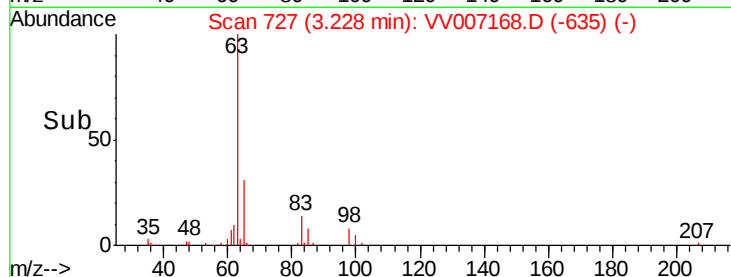
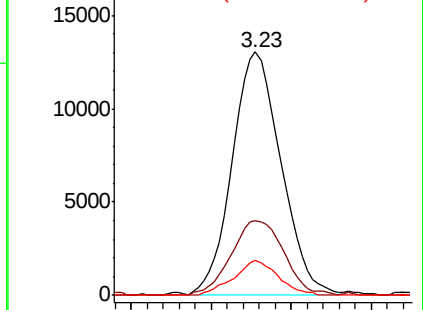
#19
 1,1-Dichloroethane
 Concen: 3.487 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	63	Resp	27274
Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.8	40.4
83	14.2	9.1	16.9

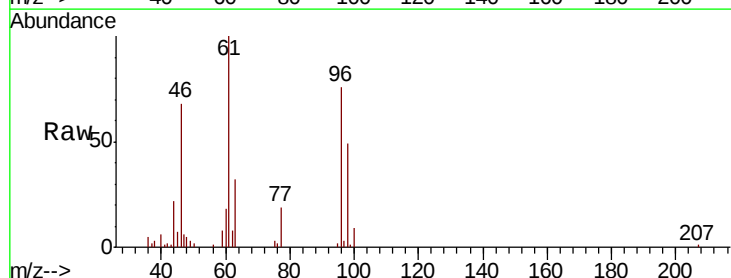


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

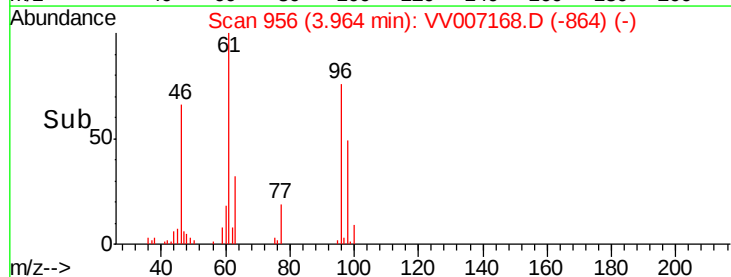
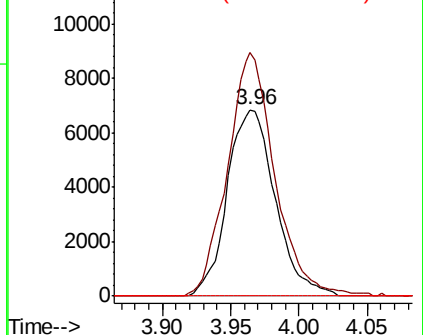


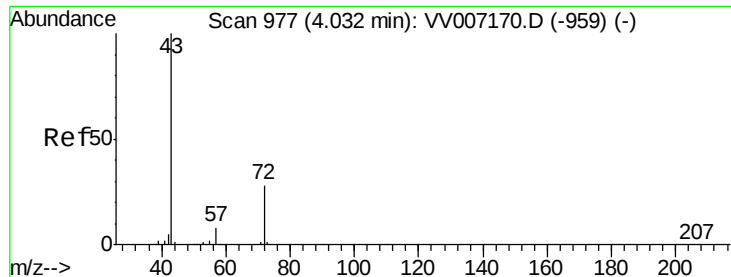
#20
 cis-1,2-Dichloroethene
 Concen: 3.784 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

Tgt Ion	96	Resp	16750
Ion	Ratio	Lower	Upper
96	100		
61	130.8	88.2	163.8
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

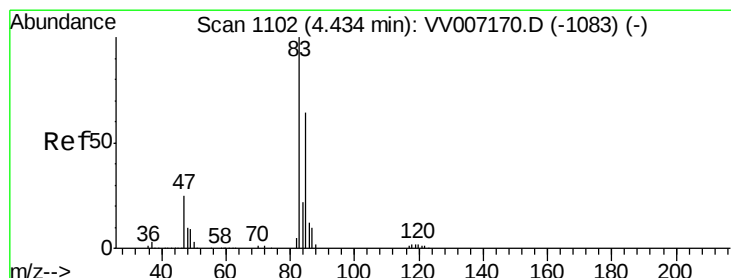
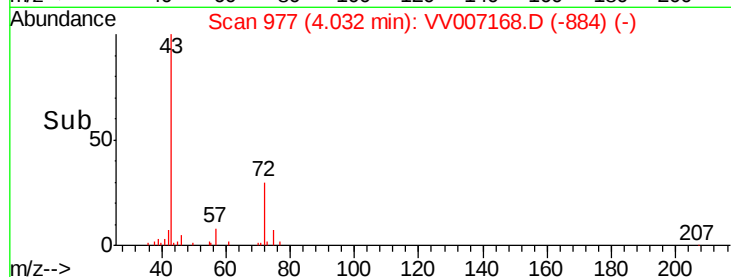
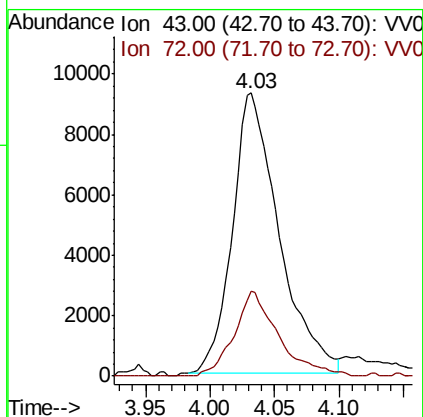
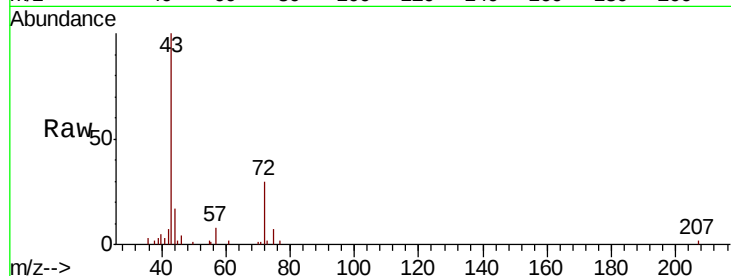




#22
2-Butanone
Concen: 6.765 ug/L
RT: 4.03 min Scan# 977
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

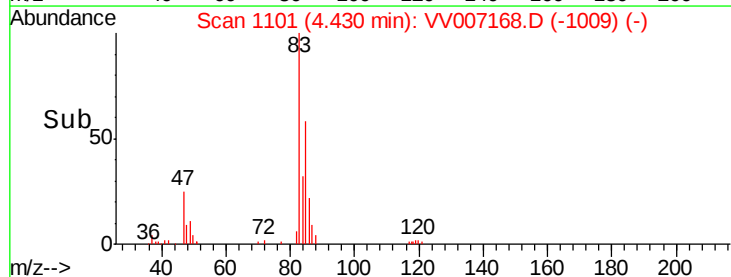
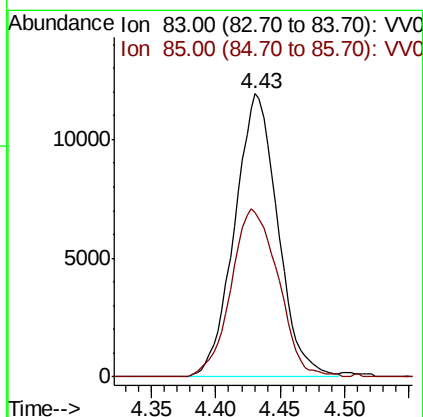
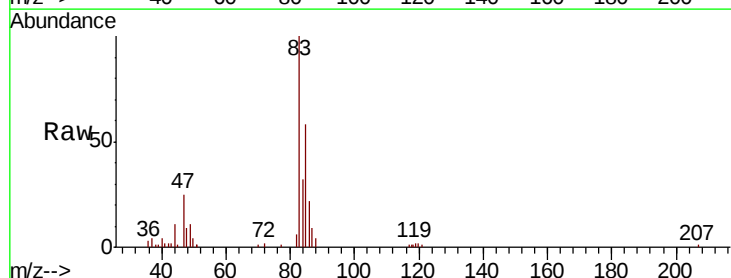
Instrument :
MSVOA_V
ClientSampleId :

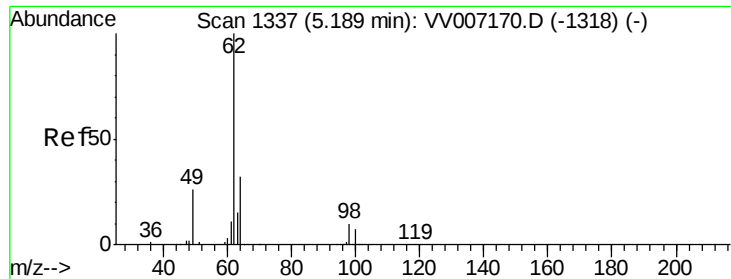
Tot Ion: 43 Resp: 23240
Ion Ratio Lower Upper
43 100
72 28.6 13.4 40.1



#25
Chloroform
Concen: 3.626 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 83 Resp: 27802
Ion Ratio Lower Upper
83 100
85 58.2 45.2 84.0





#27

1,2-Dichloroethane

Concen: 3.456 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

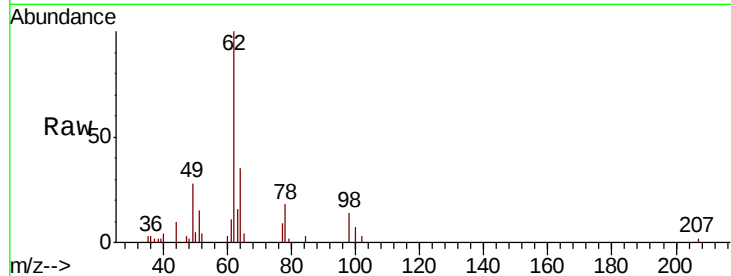
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 20019

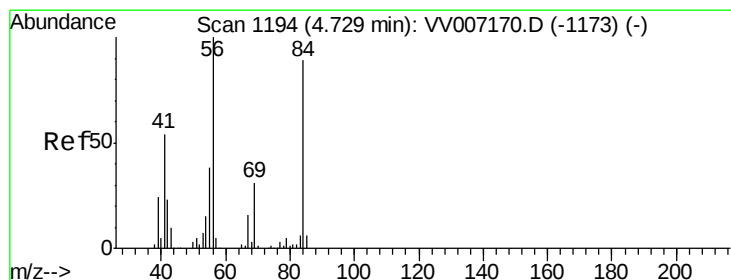
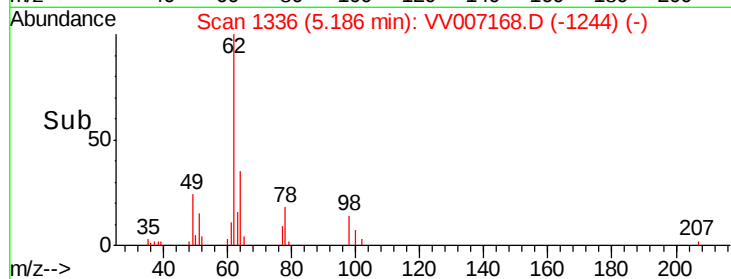
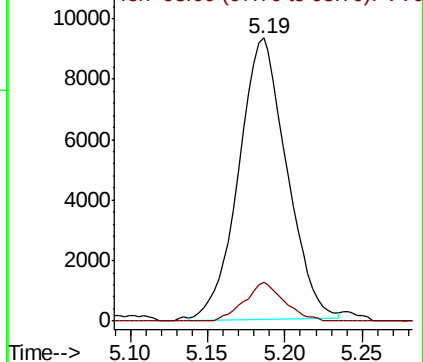
Ion Ratio Lower Upper

62 100

98 13.8 8.3 12.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 3.073 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

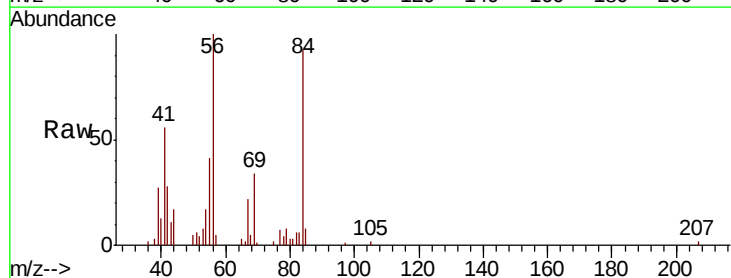
Tgt Ion: 56 Resp: 18968

Ion Ratio Lower Upper

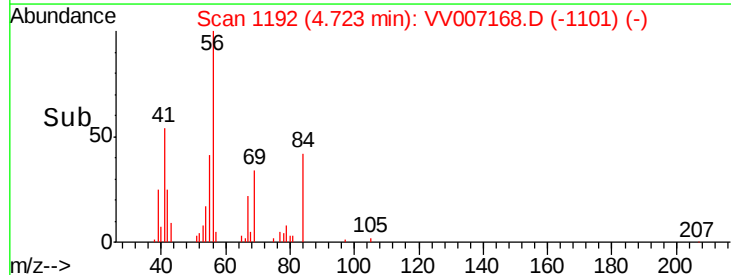
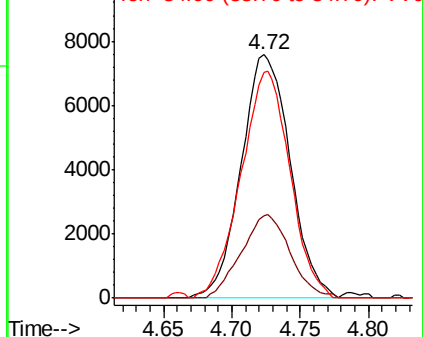
56 100

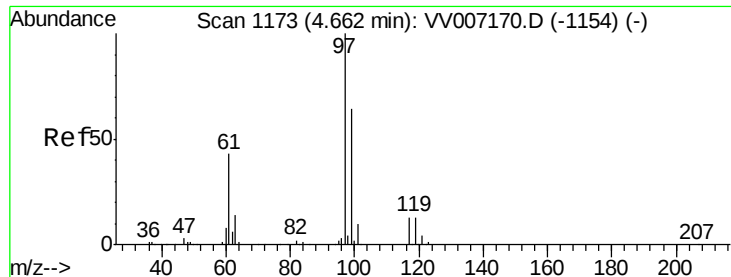
69 33.8 24.6 36.8

84 92.7 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

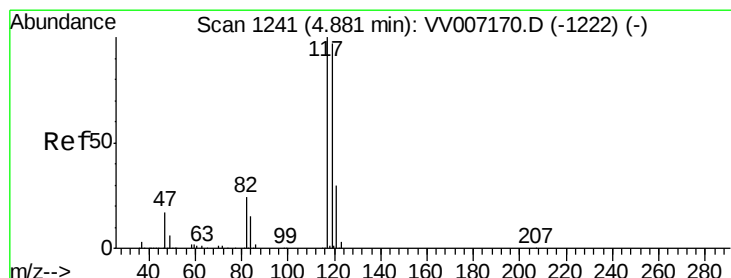
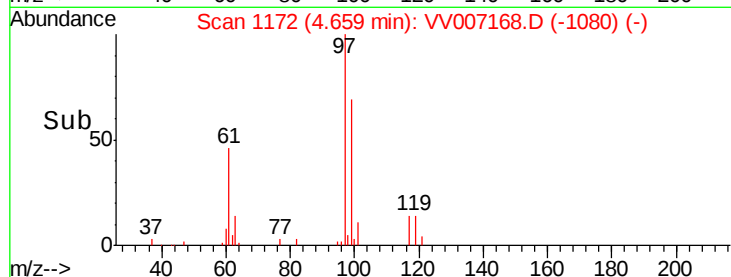
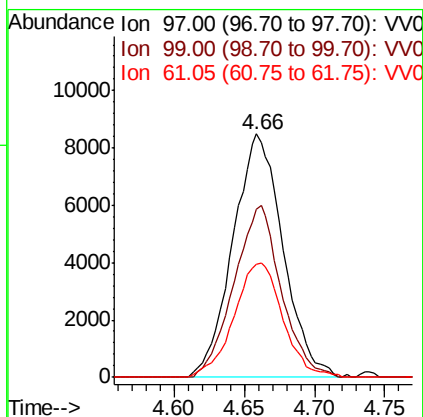
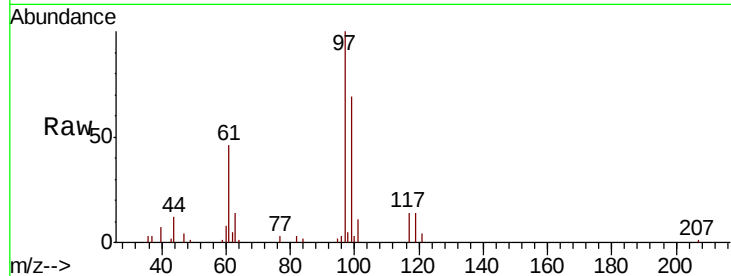




#30
 1,1,1-Trichloroethane
 Concen: 3.379 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

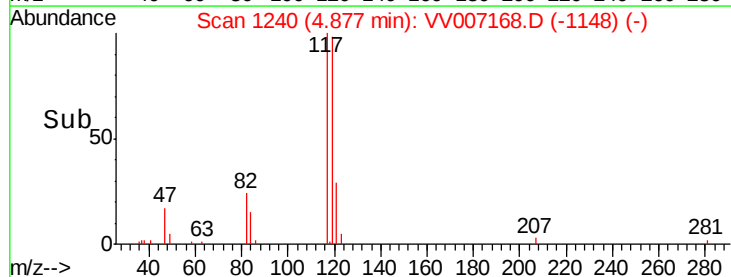
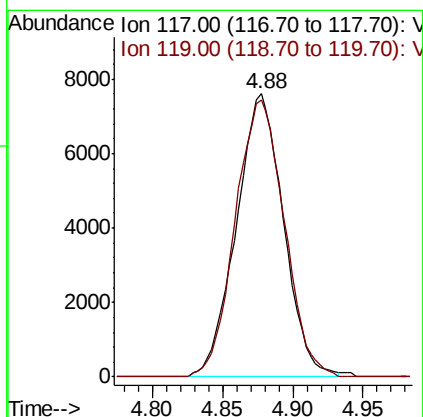
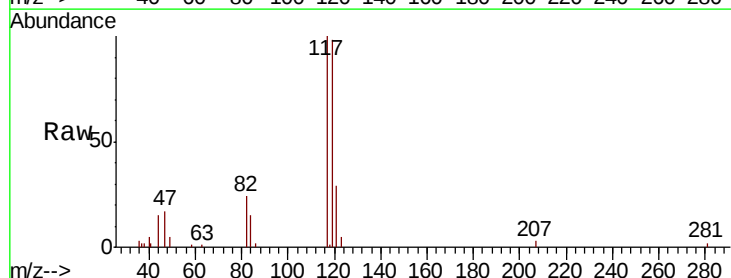
Instrument :
 MSVOA_V
 ClientSampled :

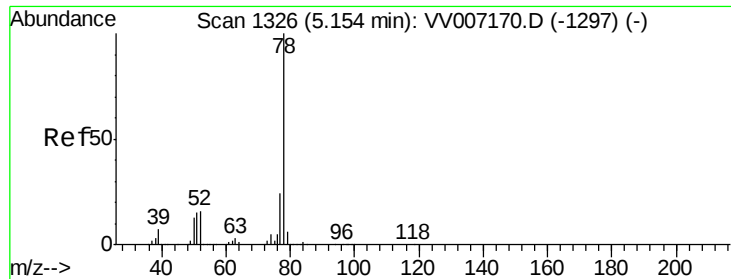
Tot Ion: 97 Resp: 21081
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.6 77.4
 61 45.9 34.3 51.5



#31
 Carbon tetrachloride
 Concen: 3.384 ug/L
 RT: 4.88 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

Tgt Ion: 117 Resp: 17797
 Ion Ratio Lower Upper
 117 100
 119 101.5 76.9 115.3

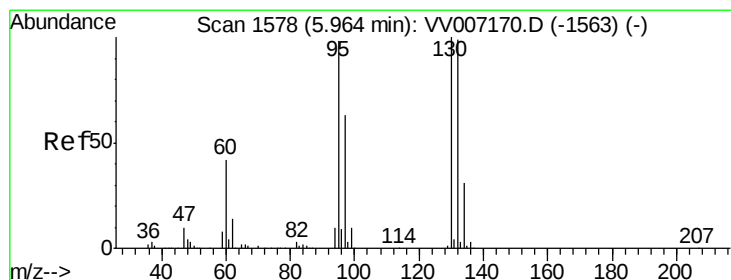
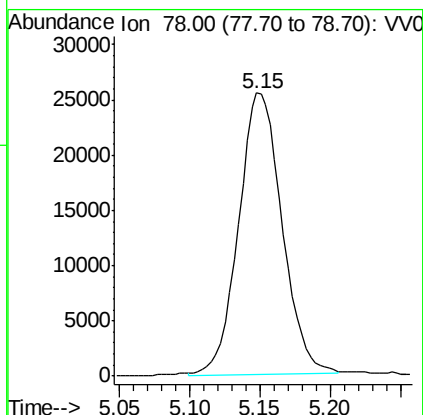
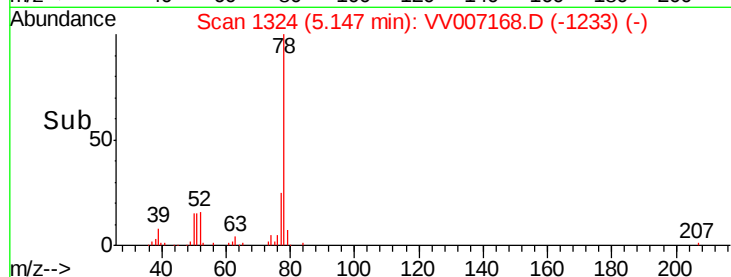
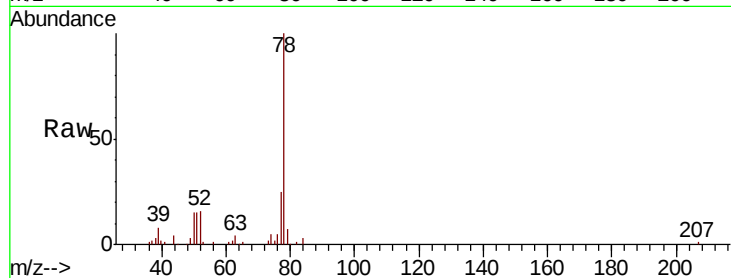




#33
Benzene
Concen: 3.261 ug/L
RT: 5.15 min Scan# 1324
Delta R.T. -0.01 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_V
ClientSampled :

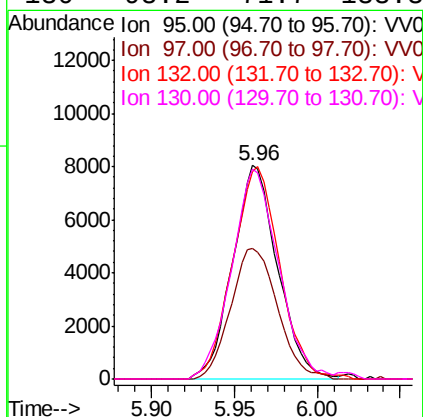
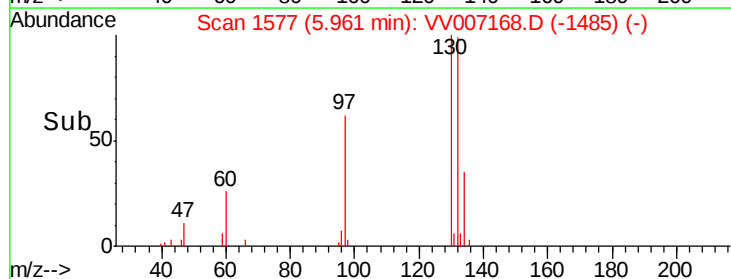
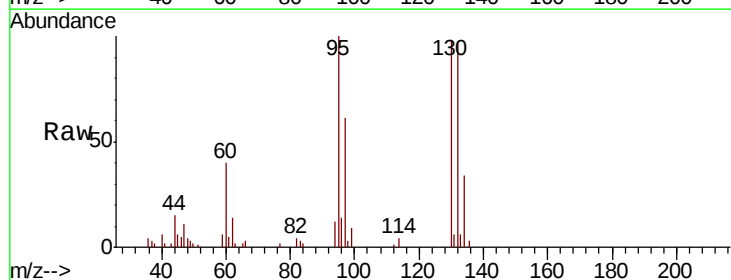
Tgt Ion: 78 Resp: 54742

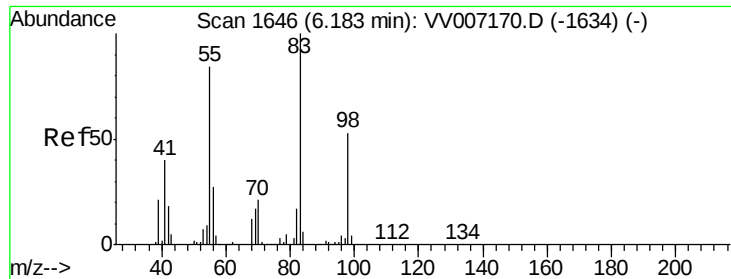


#34
Trichloroethene
Concen: 3.780 ug/L
RT: 5.96 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 95 Resp: 15157

Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.4	84.2
132	97.4	70.8	131.4
130	98.2	71.7	133.3

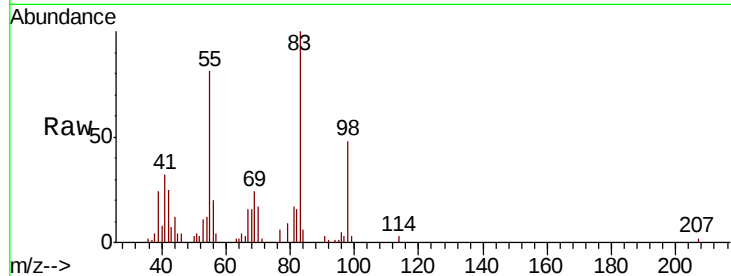




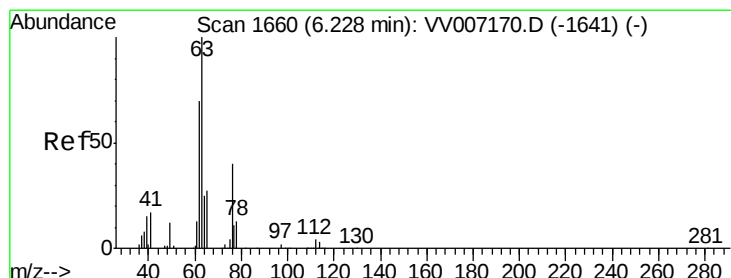
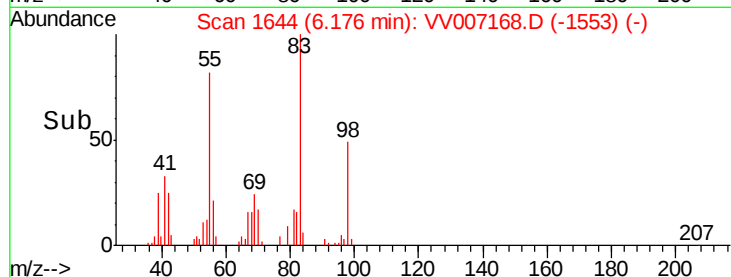
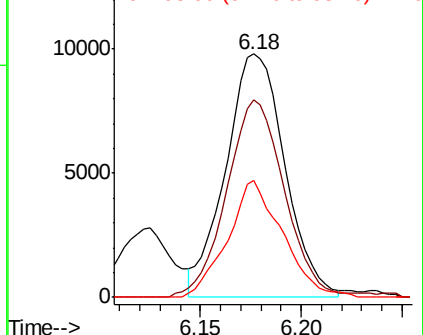
#35
Methvlcvclohexane
Concen: 3.142 ug/L
RT: 6.18 min Scan# 1644
Delta R.T. -0.01 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 20120
Ion Ratio Lower Upper
83 100
55 79.0 62.2 93.2
98 44.4 37.9 56.9

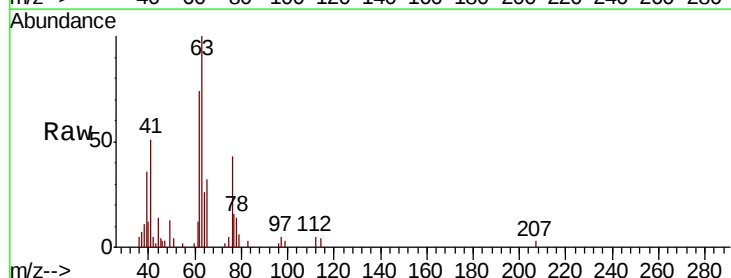


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

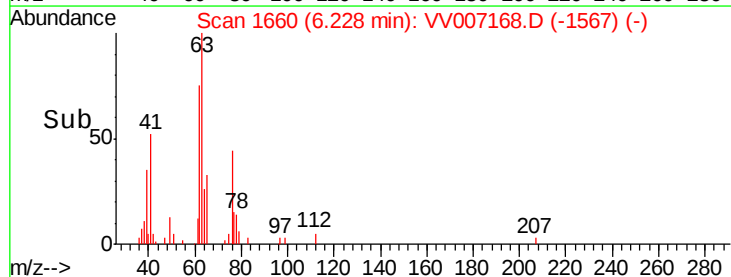
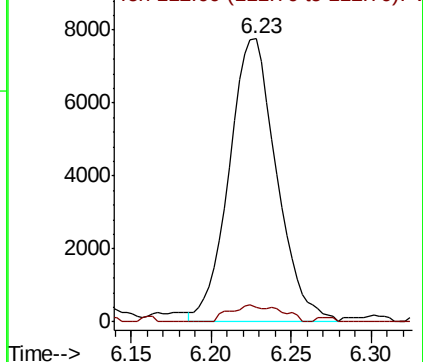


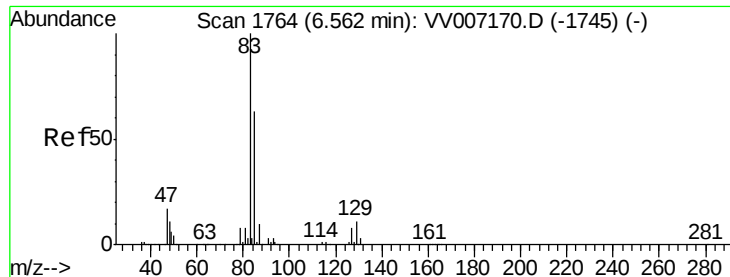
#37
1,2-Dichloropropane
Concen: 3.514 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 63 Resp: 15742
Ion Ratio Lower Upper
63 100
112 1.1 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 3.569 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

ClientSampleId :

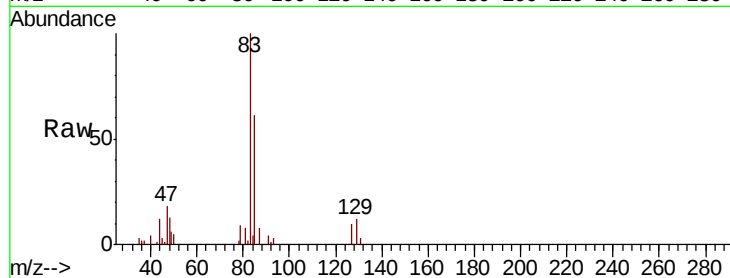
Tot Ion: 83 Resp: 19133

Ion Ratio Lower Upper

83 100

85 60.6 44.1 81.9

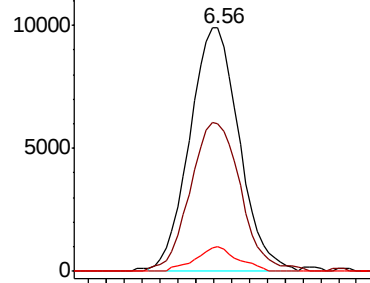
127 10.0 6.6 10.0#



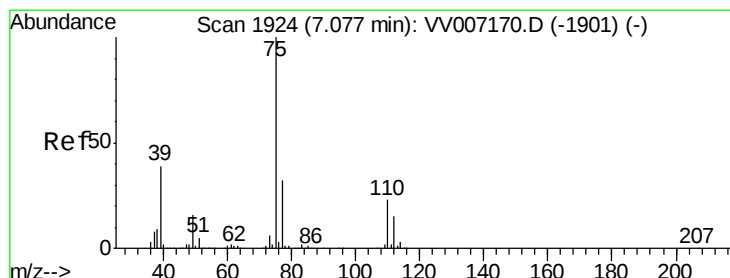
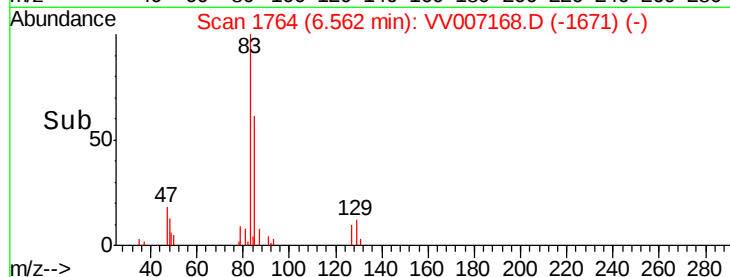
Abundance Ion 83.00 (82.70 to 83.70): VV007170.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VV007170.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VV007170.D (-1745) (-)



Time-->



#39

cis-1,3-Dichloropropene

Concen: 3.414 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV007168.D

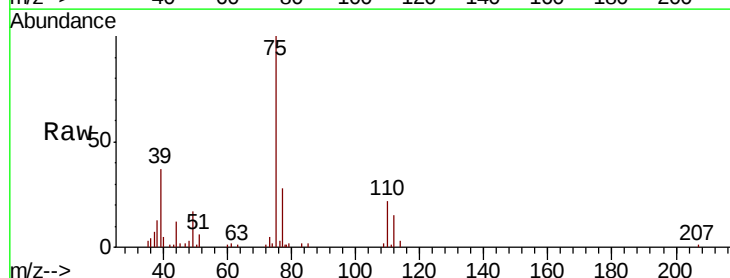
Acq: 24 Aug 2018 14:02

Tgt Ion: 75 Resp: 20698

Ion Ratio Lower Upper

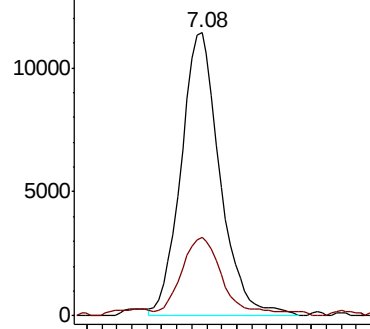
75 100

77 27.5 22.2 41.2

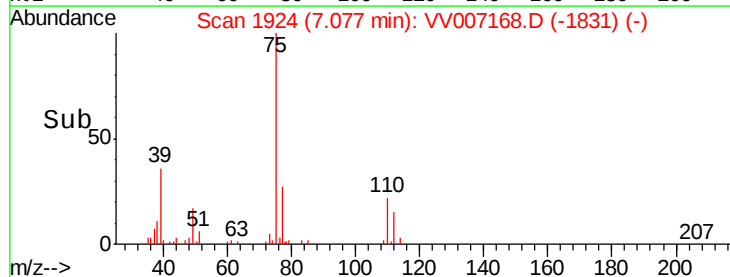


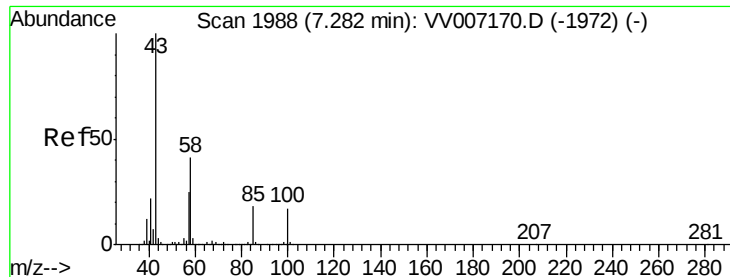
Abundance Ion 75.00 (74.70 to 75.70): VV007170.D (-1901) (-)

Ion 77.00 (76.70 to 77.70): VV007170.D (-1901) (-)



Time-->

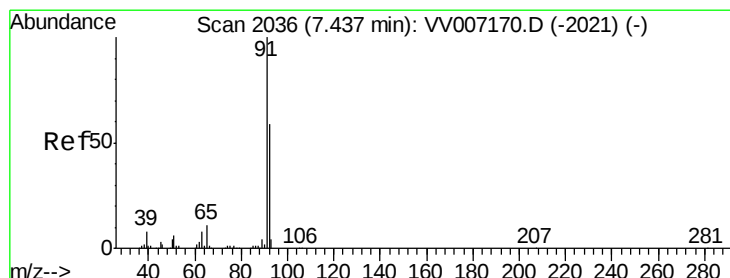
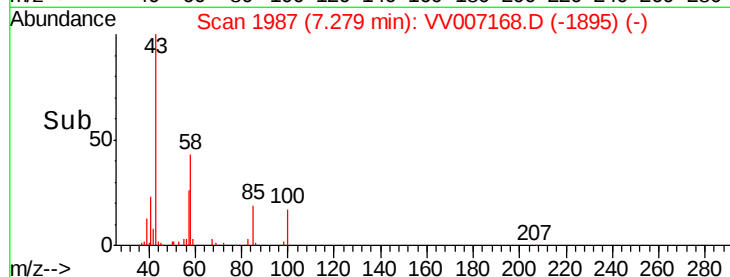
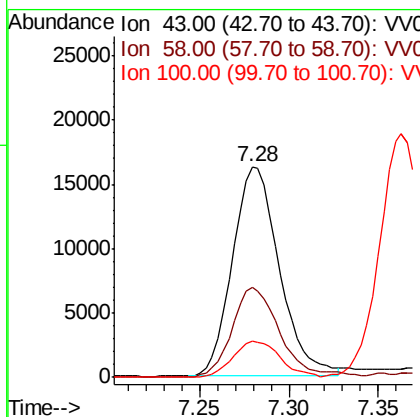
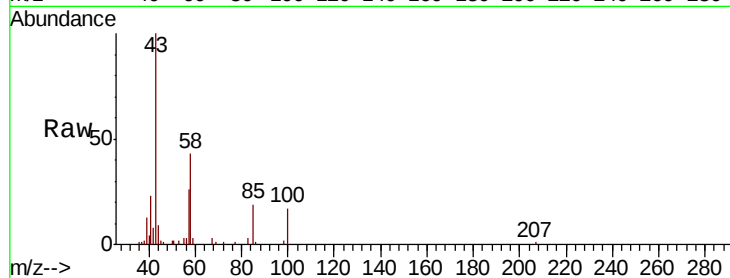




#40
4-Methyl-2-pentanone
Concen: 5.451 ug/L
RT: 7.28 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

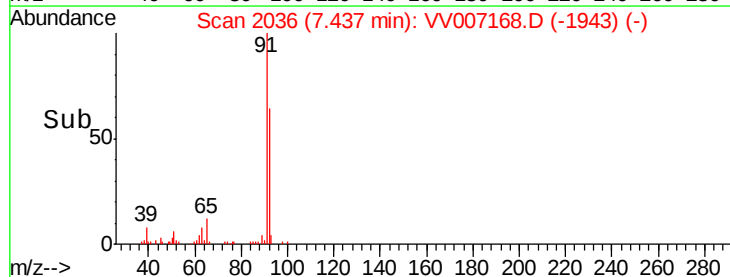
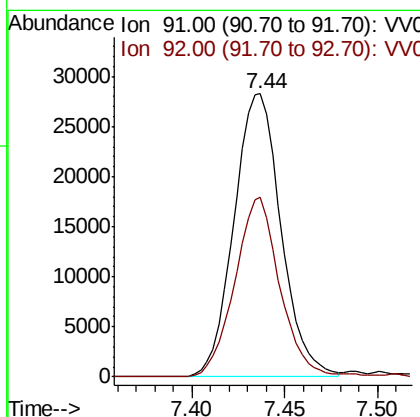
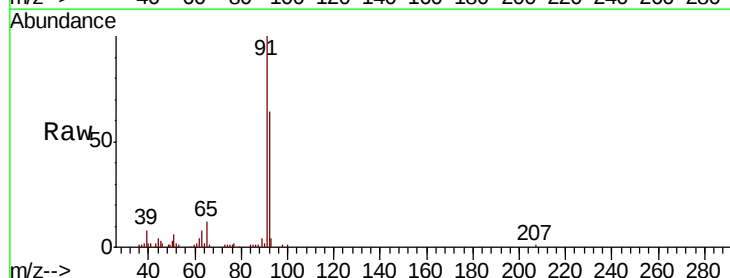
Instrument :
MSVOA_V
ClientSampled :

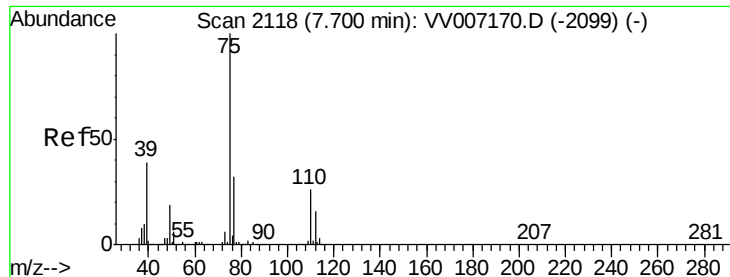
Tot Ion	Ratio	Lower	Upper
43	100		
58	42.9	31.5	47.3
100	17.6	12.6	18.8



#42
Toluene
Concen: 3.073 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.5	41.2	76.6





#44

trans-1,3-Dichloropropene

Concen: 3.227 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

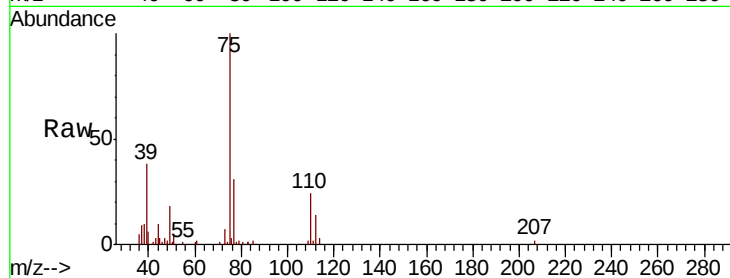
ClientSampled :

Tot Ion: 75 Resp: 18178

Ion Ratio Lower Upper

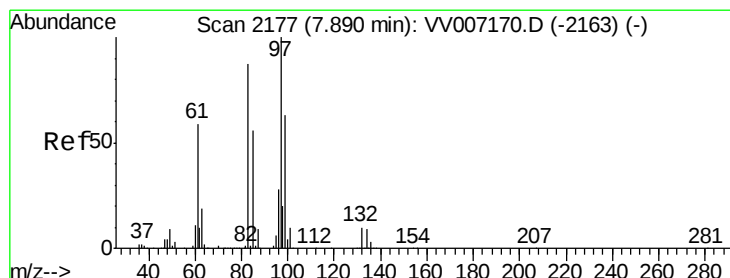
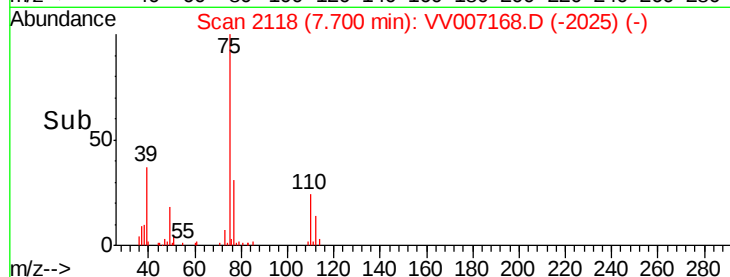
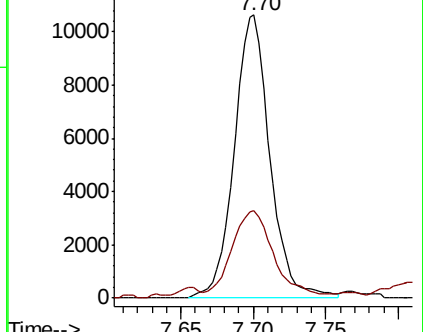
75 100

77 31.0 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV007170.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007170.D (-2099) (-)



#45

1,1,2-Trichloroethane

Concen: 3.460 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Tgt Ion: 97 Resp: 14453

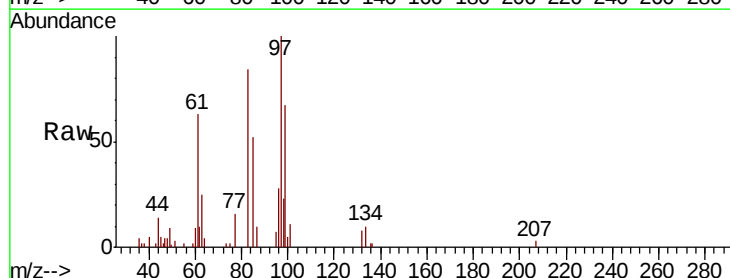
Ion Ratio Lower Upper

97 100

99 67.0 43.8 81.4

83 84.2 61.0 113.4

85 51.9 39.2 72.8

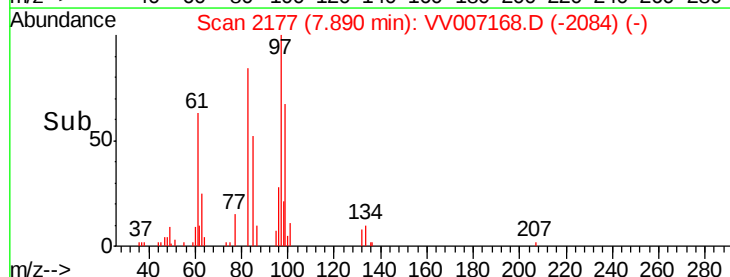
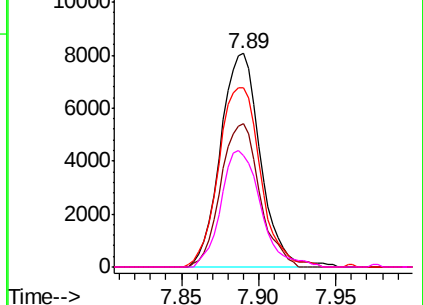


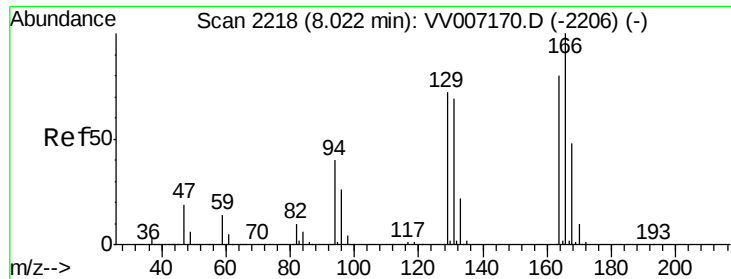
Abundance Ion 97.00 (96.70 to 97.70): VV007170.D (-2163) (-)

Ion 99.00 (98.70 to 99.70): VV007170.D (-2163) (-)

Ion 83.00 (82.70 to 83.70): VV007170.D (-2163) (-)

Ion 85.00 (84.70 to 85.70): VV007170.D (-2163) (-)

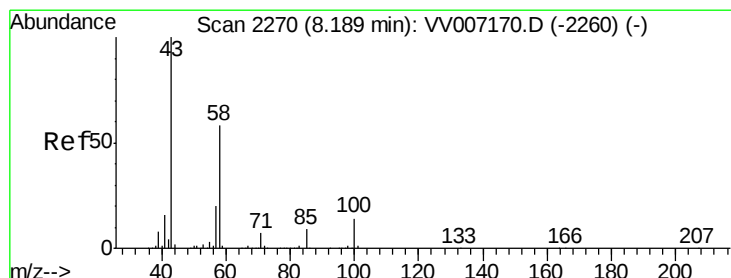
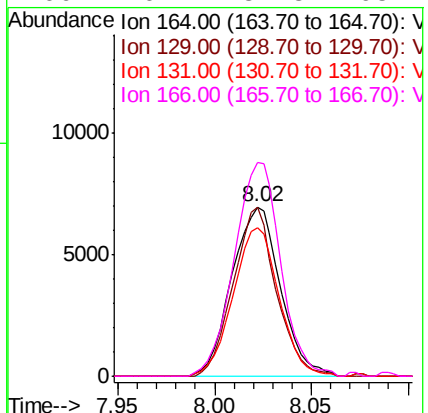
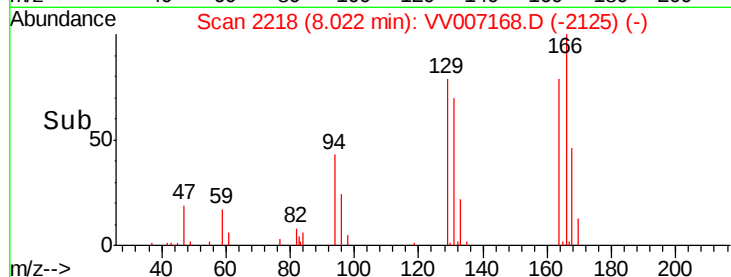
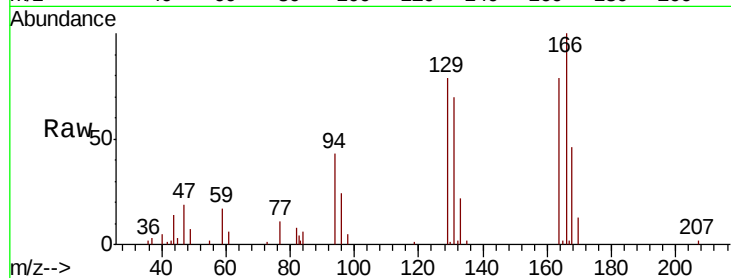




#46
Tetrachloroethene
Concen: 3.718 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

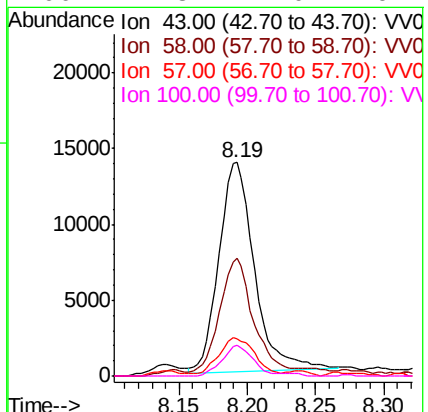
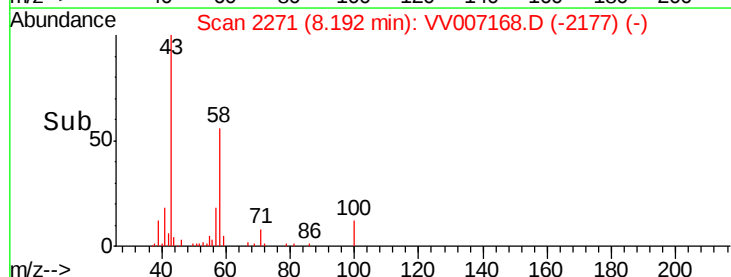
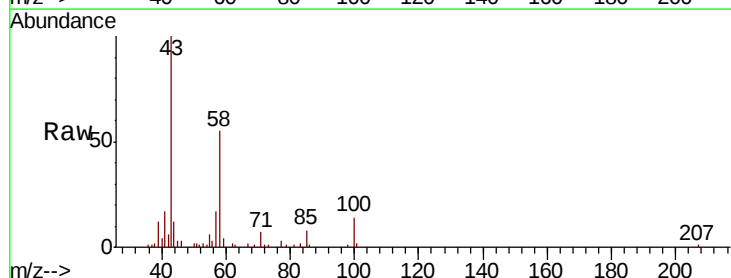
Instrument :
MSVOA_V
ClientSampleId :

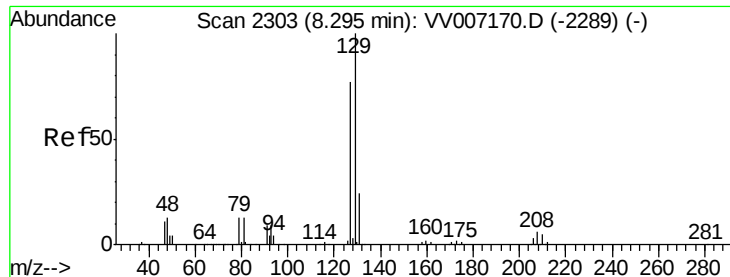
Tot Ion:164	Resp:	12135
Ion Ratio	Lower	Upper
164	100	
129	101.8	63.3 117.7
131	88.2	60.6 112.6
166	126.4	87.8 163.2



#48
2-Hexanone
Concen: 5.849 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 43	Resp:	25155
Ion Ratio	Lower	Upper
43	100	
58	50.1	47.3 70.9
57	18.6	16.5 24.7
100	12.8	11.0 16.4





#49

Dibromochloromethane

Concen: 3.477 ug/L

RT: 8.29 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

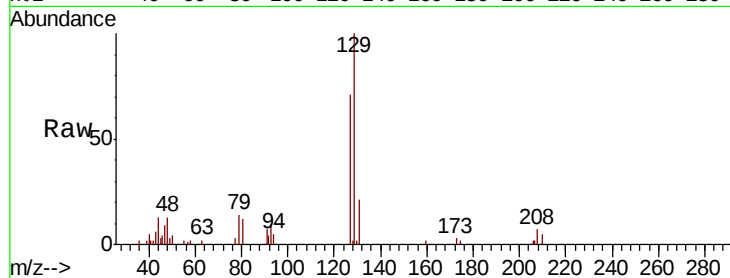
ClientSampleId :

Tot Ion:129 Resp: 14613

Ion Ratio Lower Upper

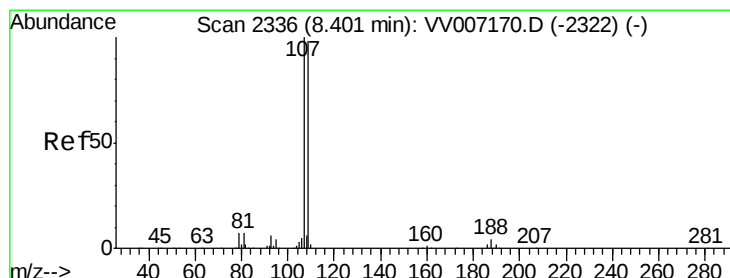
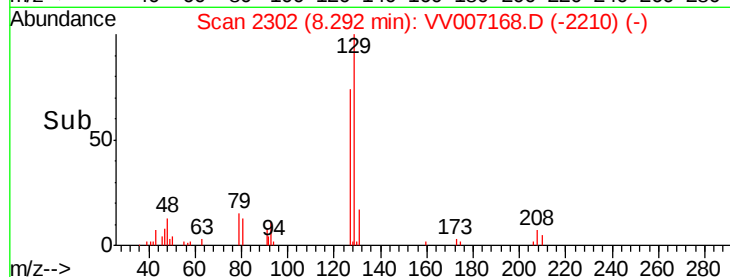
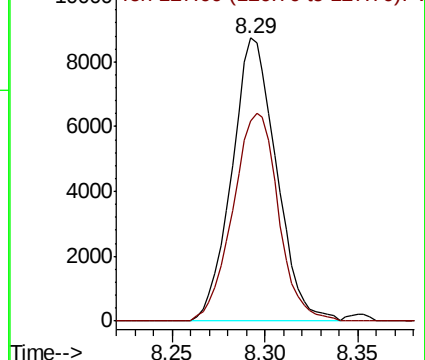
129 100

127 70.7 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 3.315 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

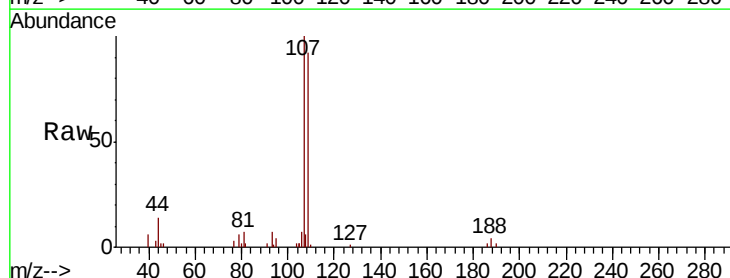
Tgt Ion:107 Resp: 13682

Ion Ratio Lower Upper

107 100

109 91.6 68.3 126.8

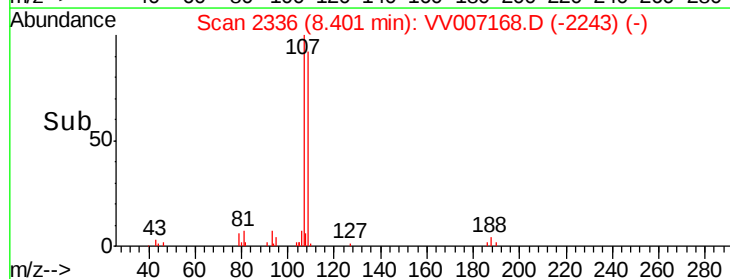
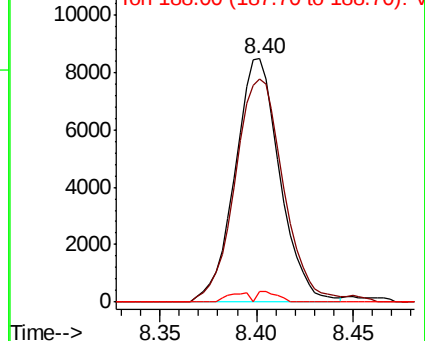
188 4.5 3.3 4.9

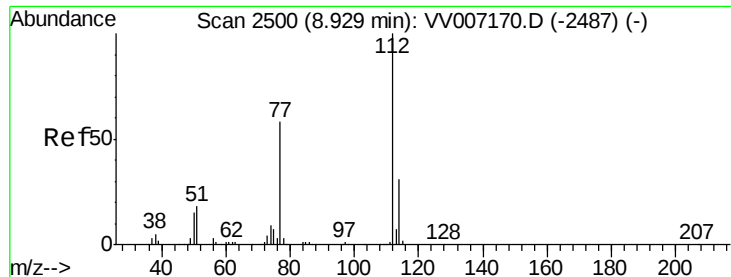


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

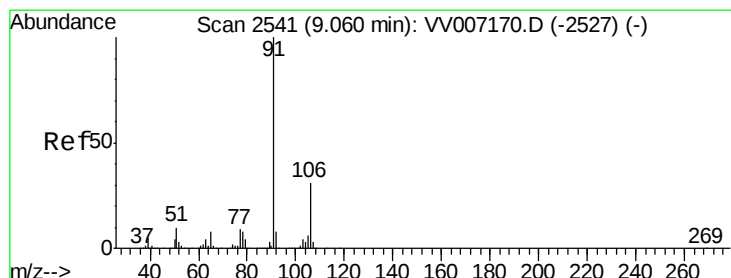
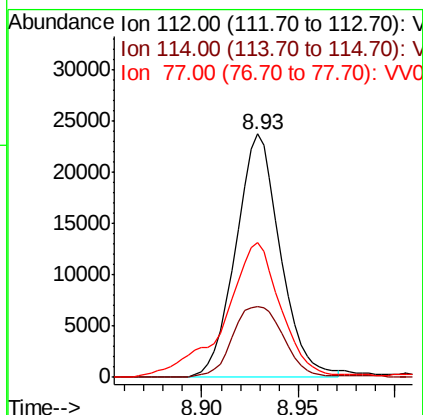
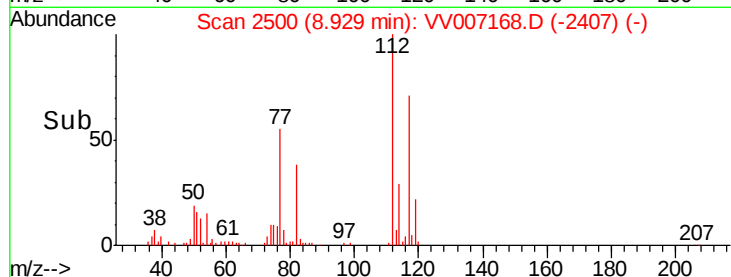
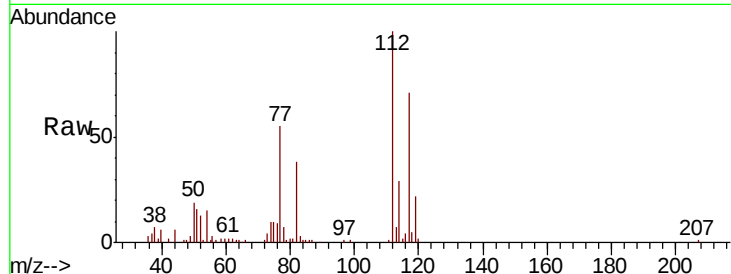




#51
Chlorobenzene
Concen: 3.538 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

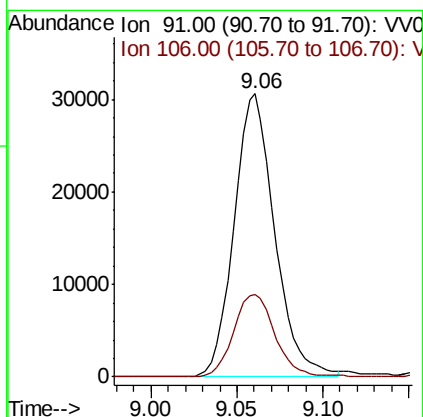
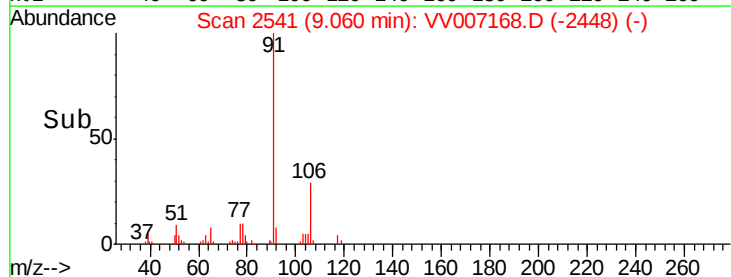
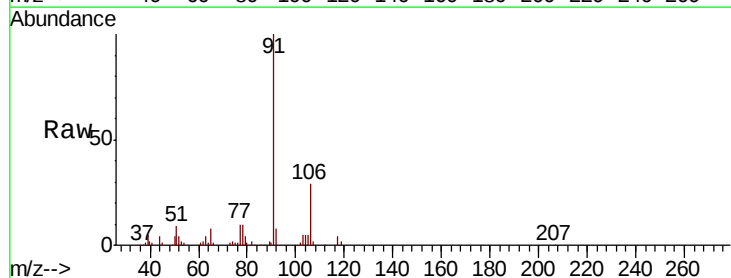
Instrument :
MSVOA_V
ClientSampleId :

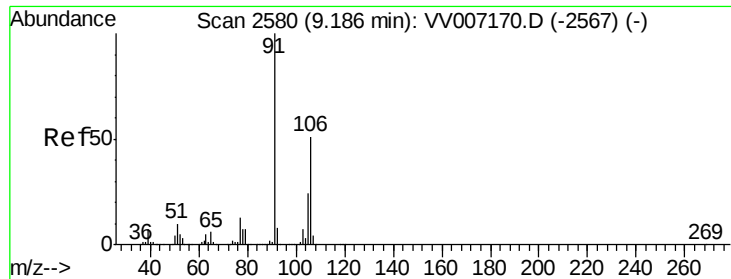
Tot Ion	Ratio	Lower	Upper
112	100		
114	28.9	22.0	40.8
77	55.2	46.4	69.6



#52
Ethylbenzene
Concen: 3.049 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.0	40.8





#53

m,p-Xylene

Concen: 2.975 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

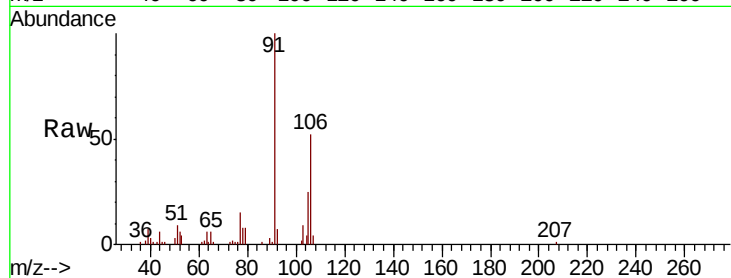
ClientSampled :

Tot Ion:106 Resp: 18781

Ion Ratio Lower Upper

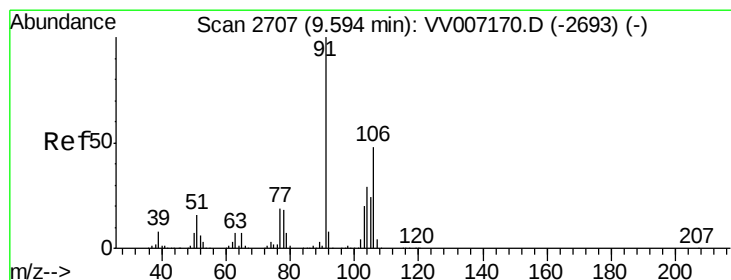
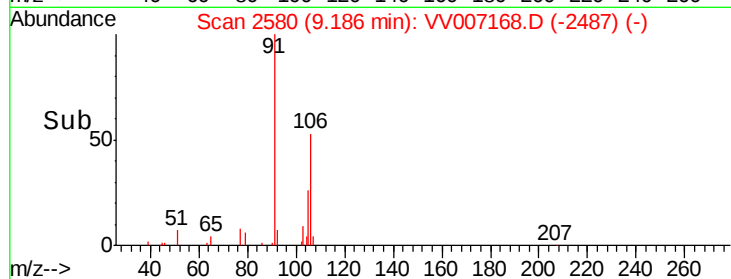
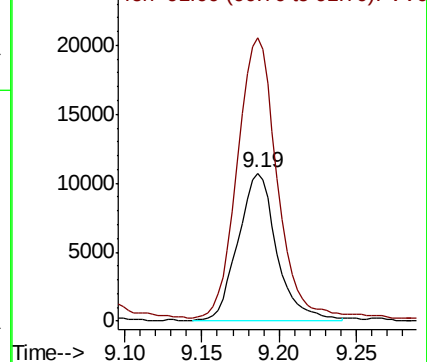
106 100

91 191.5 138.9 258.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.802 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007168.D

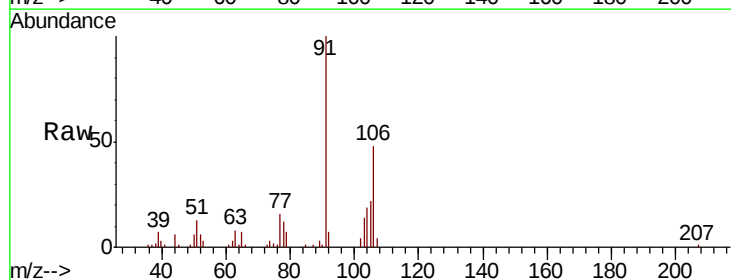
Acq: 24 Aug 2018 14:02

Tgt Ion:106 Resp: 17113

Ion Ratio Lower Upper

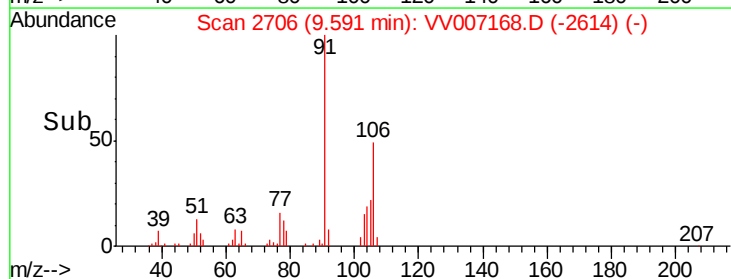
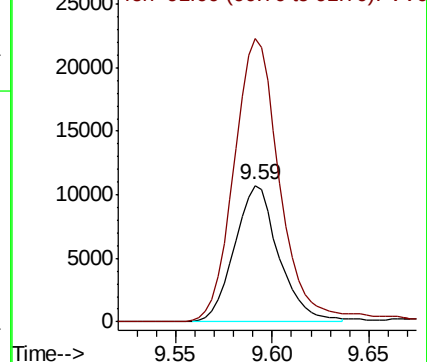
106 100

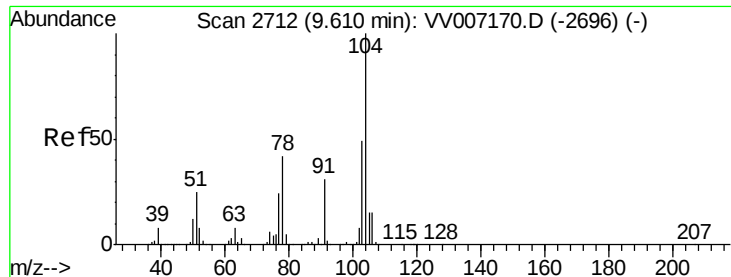
91 207.5 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 2.466 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

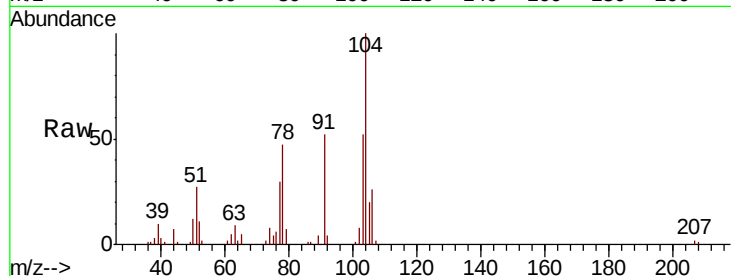
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 25970

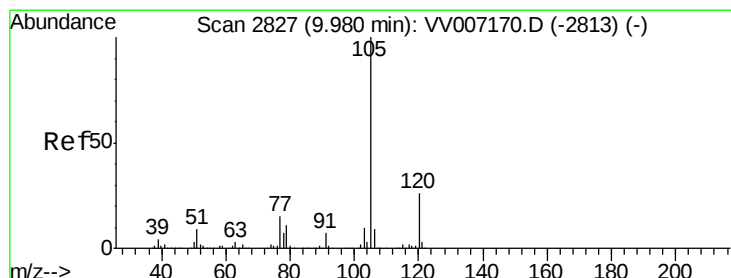
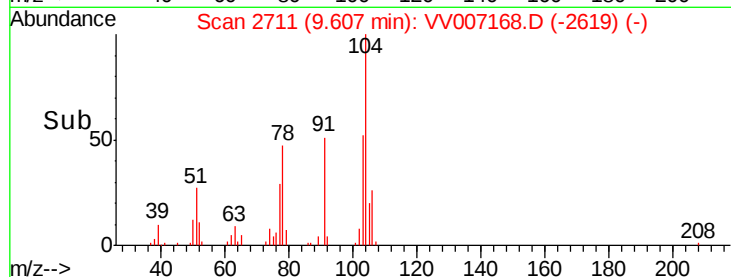
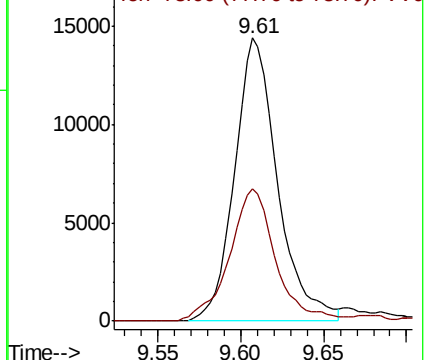
Ion Ratio Lower Upper

104 100

78 46.8 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 2.789 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

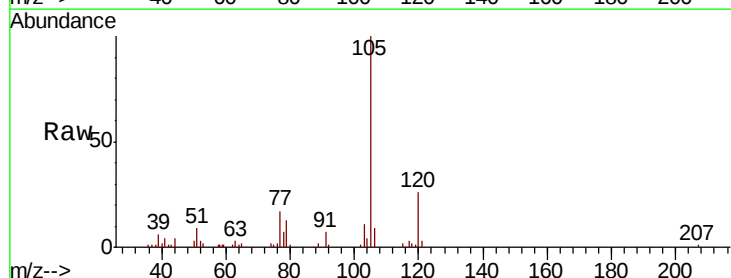
Tgt Ion:105 Resp: 43071

Ion Ratio Lower Upper

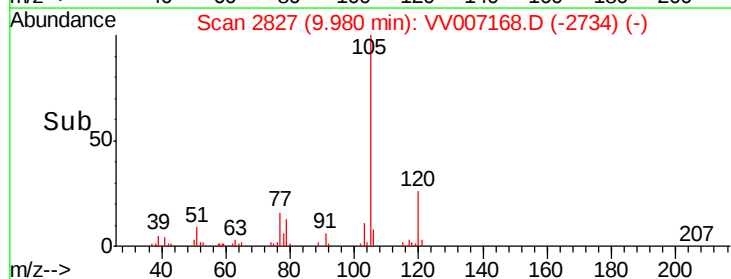
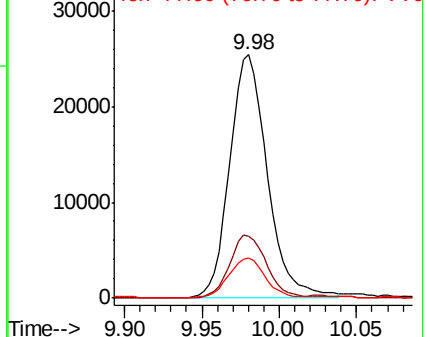
105 100

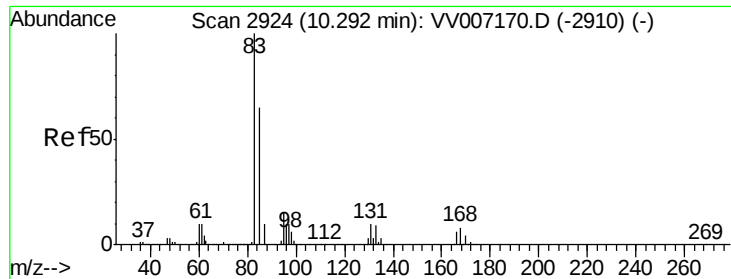
120 25.2 21.2 31.8

77 16.1 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.156 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

ClientSampleId :

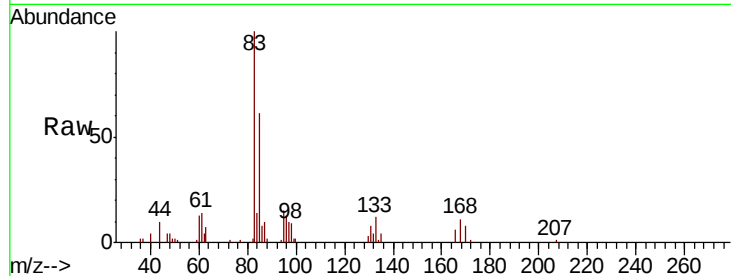
Tot Ion: 83 Resp: 22520

Ion Ratio Lower Upper

83 100

85 61.3 45.4 84.2

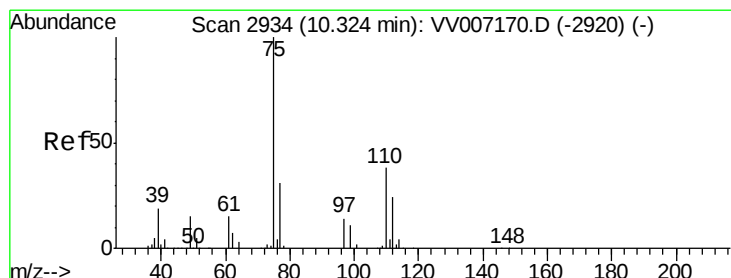
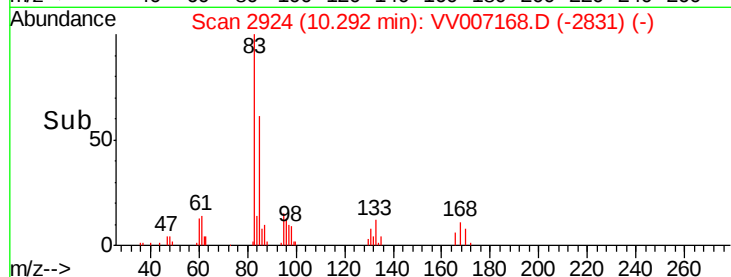
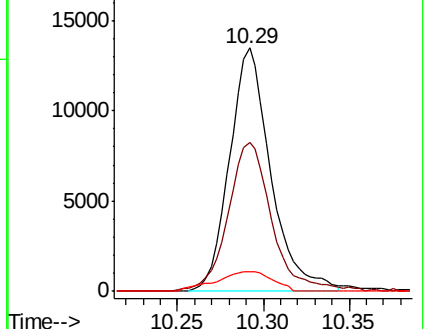
131 8.3 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VV007170.D (-2910) (-)

Ion 85.00 (84.70 to 85.70): VV007170.D (-2910) (-)

Ion 131.00 (130.70 to 131.70): VV007170.D (-2910) (-)



#59

1,2,3-Trichloropropane

Concen: 5.089 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.98 min

Lab File: VV007168.D

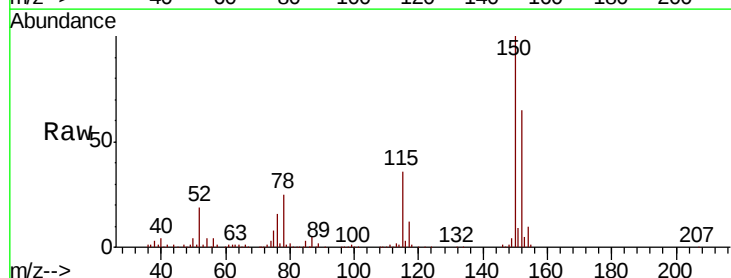
Acq: 24 Aug 2018 14:02

Tgt Ion: 75 Resp: 29184

Ion Ratio Lower Upper

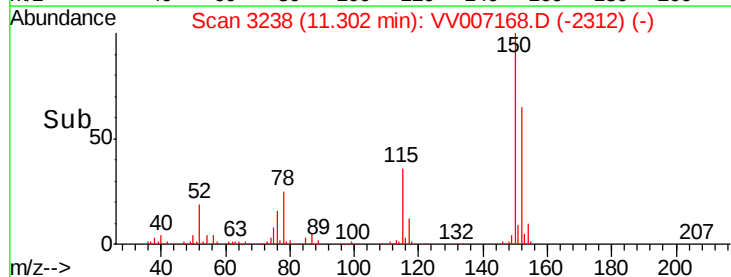
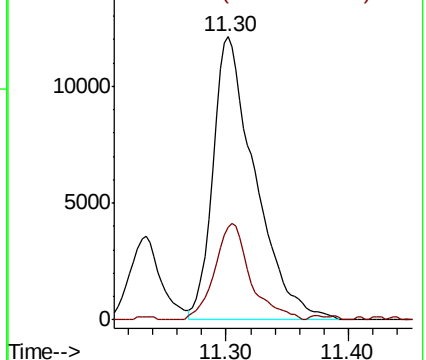
75 100

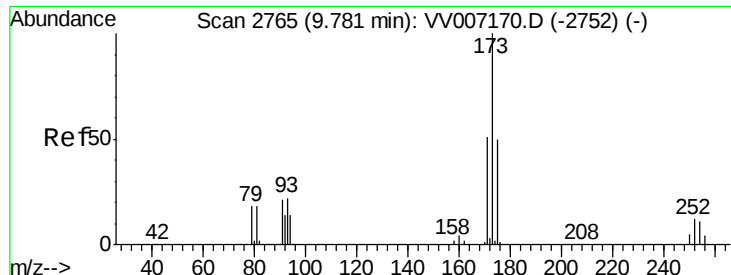
77 29.1 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VV007168.D (-2312) (-)

Ion 77.00 (76.70 to 77.70): VV007168.D (-2312) (-)

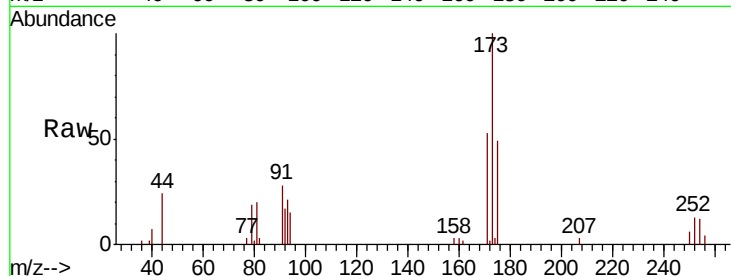




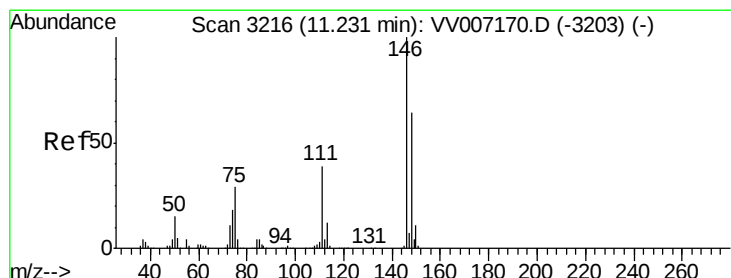
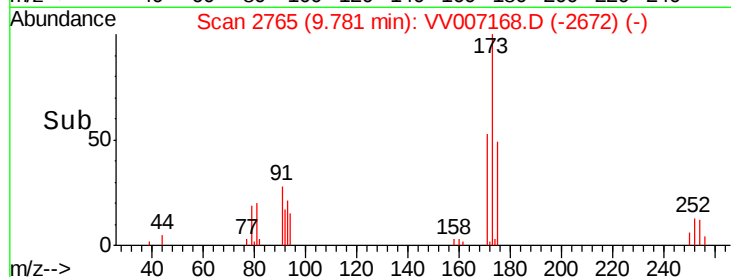
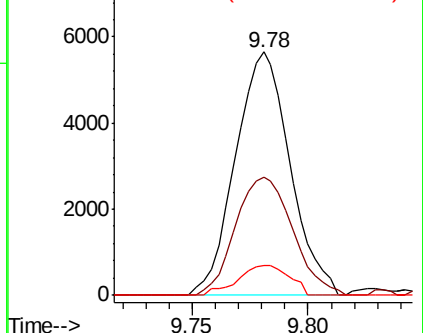
#61
Bromoform
Concen: 3.534 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 9262
Ion Ratio Lower Upper
173 100
175 50.8 38.6 58.0
254 11.6 8.6 12.8

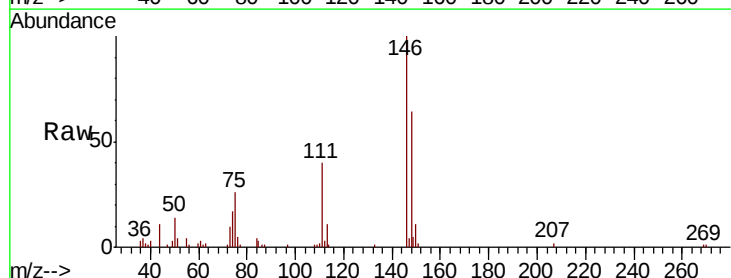


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

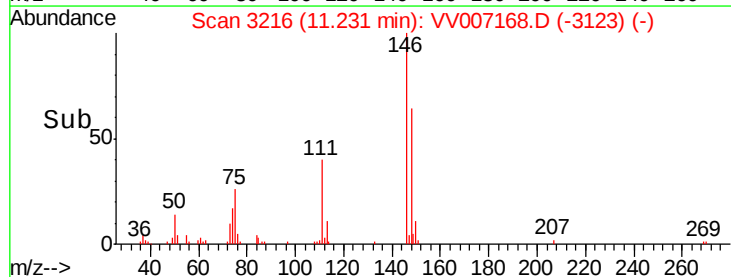
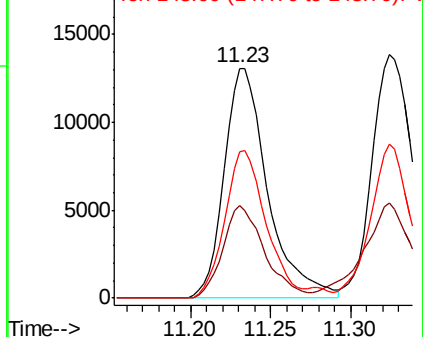


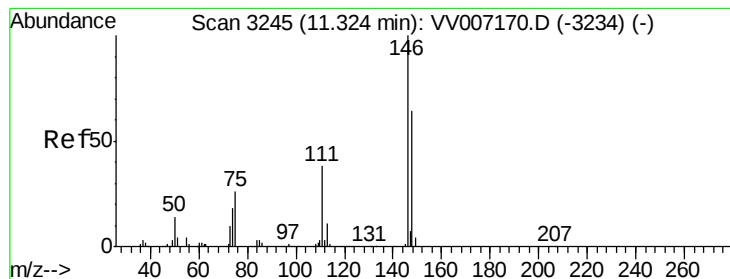
#62
1,3-Dichlorobenzene
Concen: 3.883 ug/L
RT: 11.23 min Scan# 3216
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion:146 Resp: 24363
Ion Ratio Lower Upper
146 100
111 40.2 27.1 50.3
148 63.5 44.8 83.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 3.984 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_V

ClientSampleId :

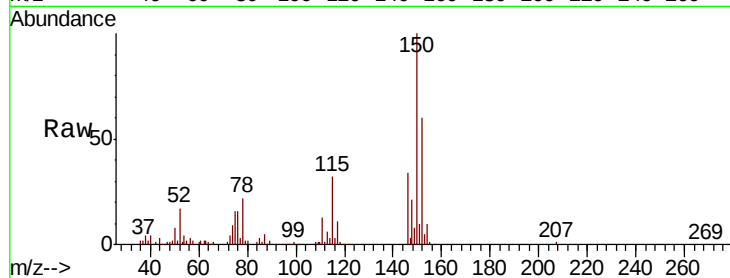
Tot Ion:146 Resp: 26498

Ion Ratio Lower Upper

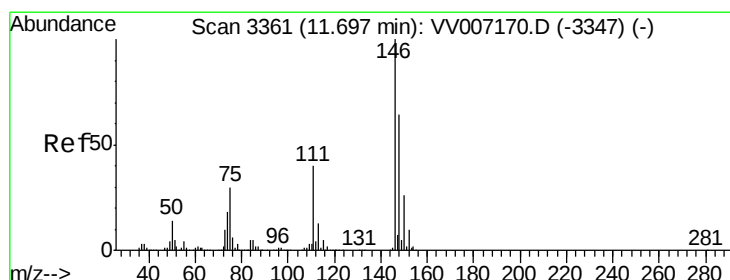
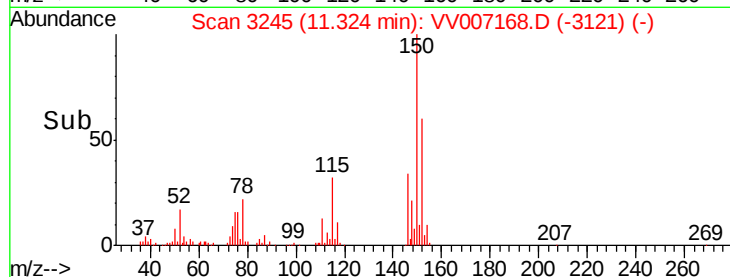
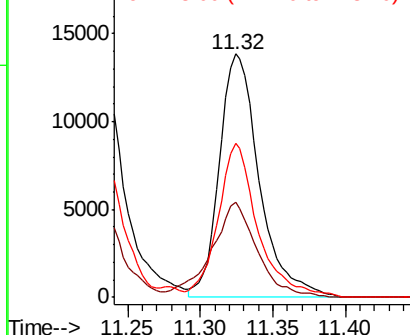
146 100

111 39.2 26.7 49.5

148 63.3 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 3.683 ug/L

RT: 11.70 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VV007168.D

Acq: 24 Aug 2018 14:02

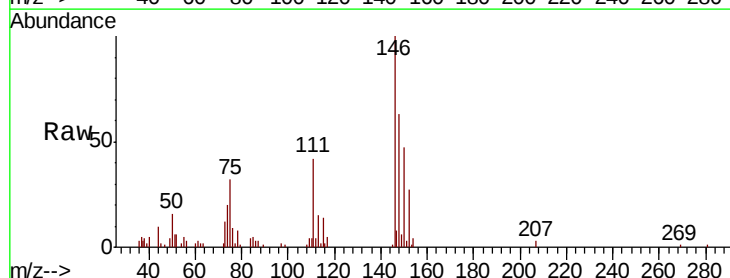
Tgt Ion:146 Resp: 25239

Ion Ratio Lower Upper

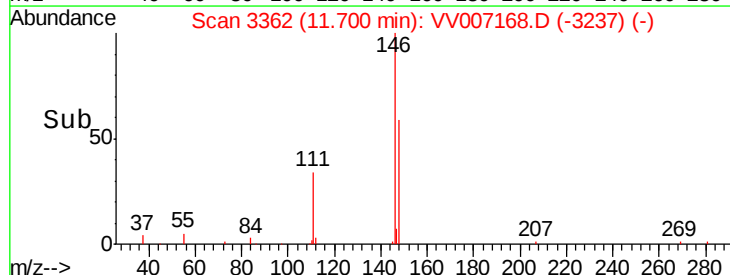
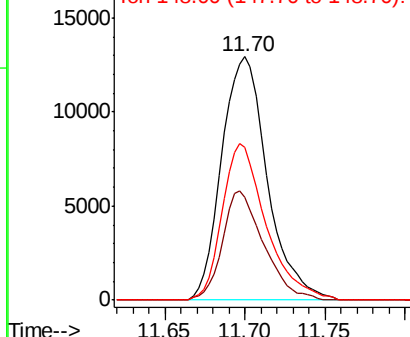
146 100

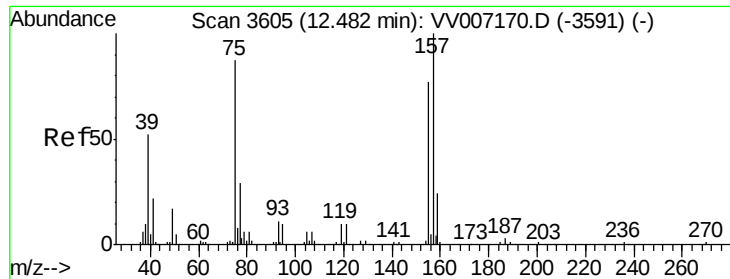
111 42.3 32.2 48.2

148 62.7 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

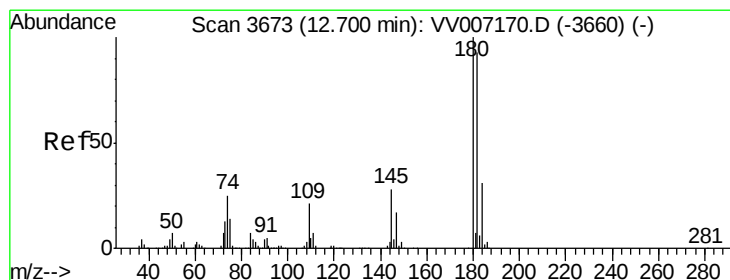
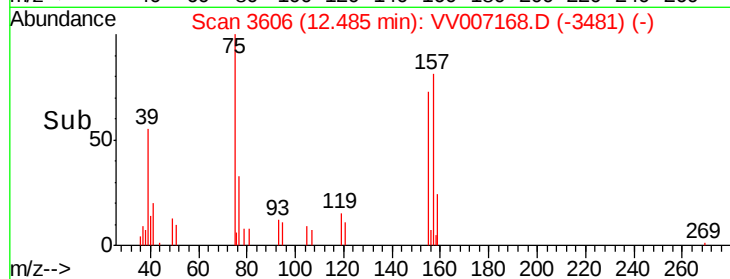
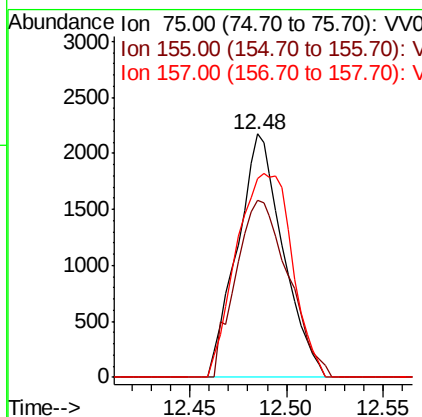
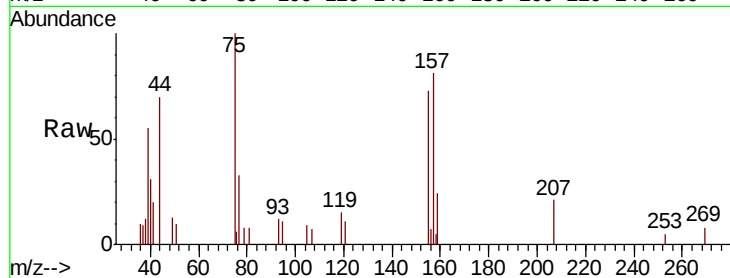




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.694 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

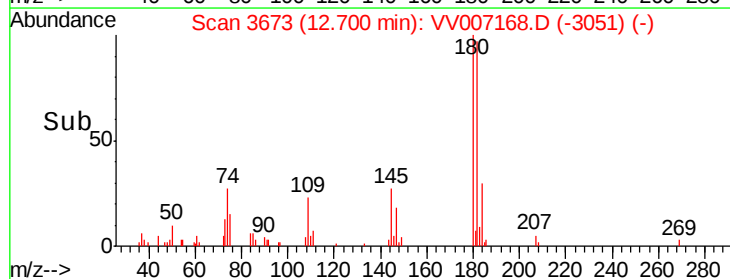
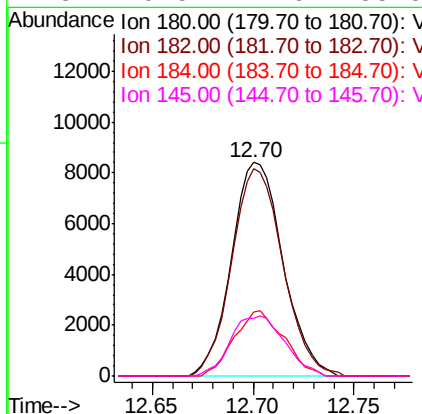
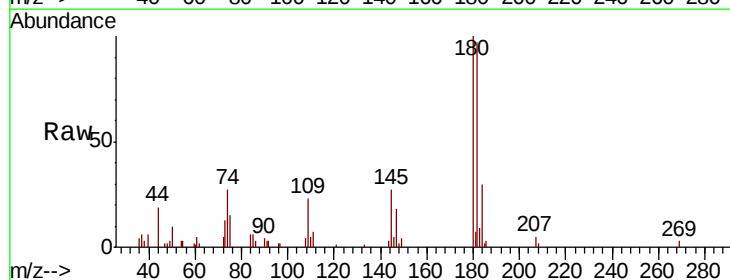
Instrument :
 MSVOA_V
 ClientSampleId :

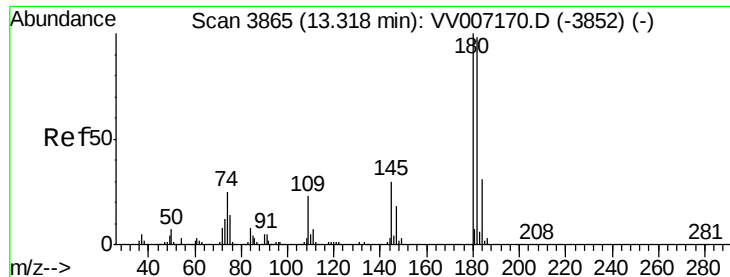
Tot Ion: 75 Resp: 3567
 Ion Ratio Lower Upper
 75 100
 155 72.8 70.6 106.0
 157 81.5 91.8 137.8#



#67
 1,3,5-Trichlorobenzene
 Concen: 3.473 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

Tgt Ion:180 Resp: 15059
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.8 113.8
 184 29.4 24.4 36.6
 145 29.5 22.6 33.8

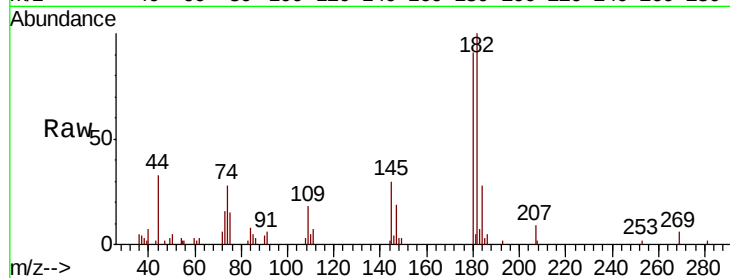




#68
1,2,4-trichlorobenzene
Concen: 3.307 ug/L
RT: 13.32 min Scan# 3866
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.0	77.6	116.4
145	29.9	23.4	35.2

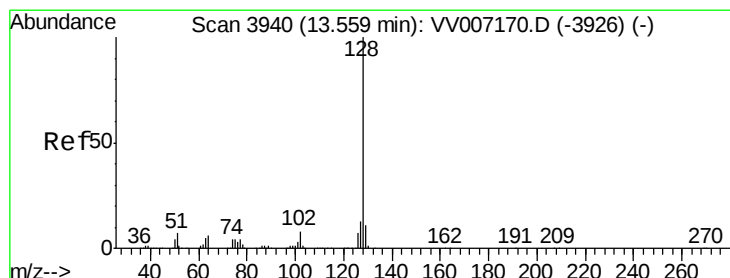
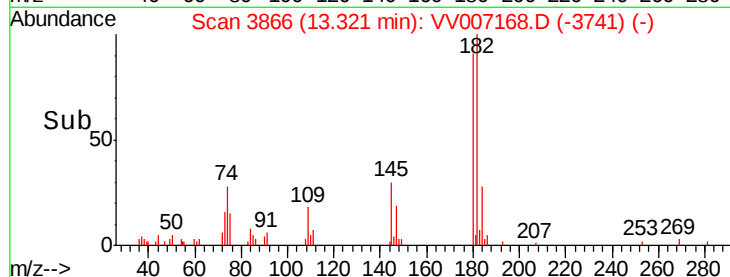
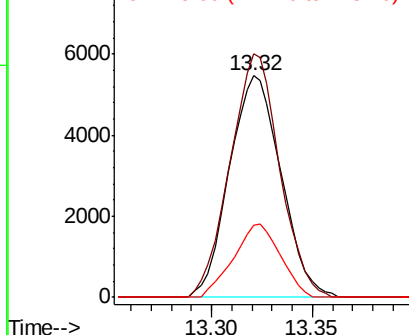


Abundance

Ion 180.00 (179.70 to 180.70): V

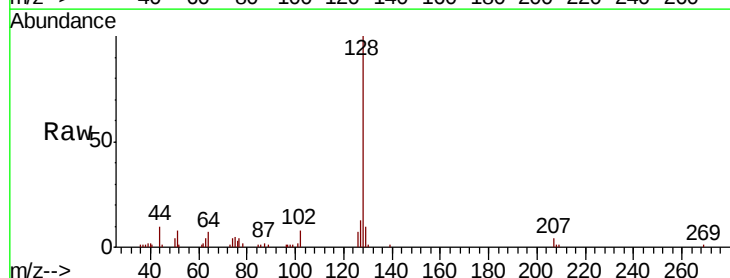
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
Naphthalene
Concen: 3.930 ug/L
RT: 13.56 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VV007168.D
Acq: 24 Aug 2018 14:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	10.0	8.7	13.1

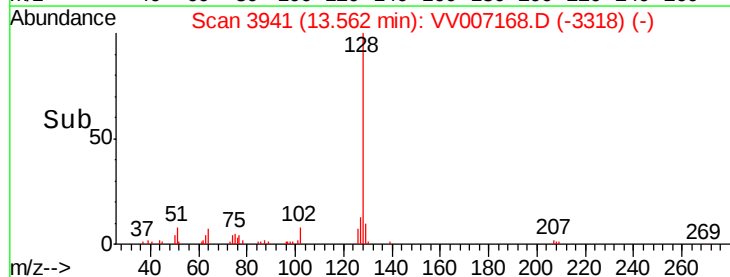
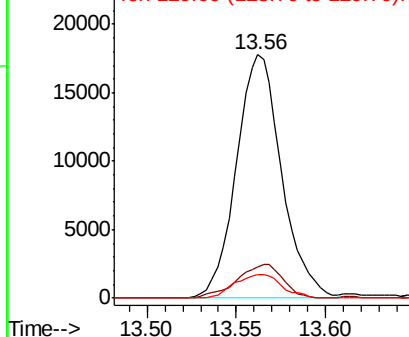


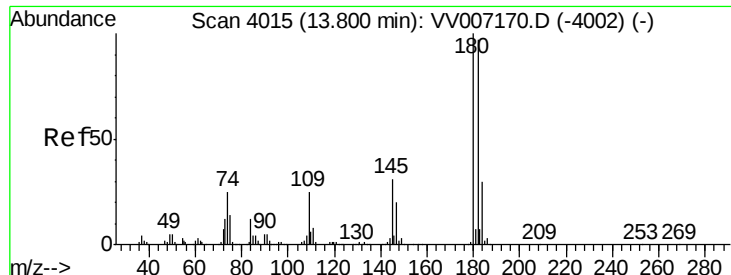
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

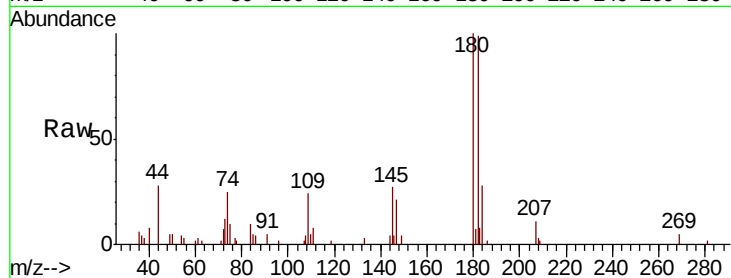




#70
 1,2,3-Trichlorobenzene
 Concen: 3.390 ug/L
 RT: 13.80 min Scan# 4016
 Delta R.T. 0.00 min
 Lab File: VV007168.D
 Acq: 24 Aug 2018 14:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.1	77.0	115.4
145	29.8	24.7	37.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

