

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008021.D
 Acq On : 02 Oct 2018 03:22
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 02 04:20:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 04:17:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	96211	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92890	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49956	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24980	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.59	69	21654	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.14	63	54547	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	3.97	46	70613	45.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.04%
24) Chloroform-d	4.41	84	57667	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.09	65	29345	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.10	84	109326	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.13	67	34007	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	111212	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.67	79	12229	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.14	63	53929	45.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24839	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	44556	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	37427	4.638	ug/L	98
3) Chloromethane	1.25	50	33666	4.689	ug/L	97
5) Vinyl chloride	1.32	62	36852	4.794	ug/L	98
6) Bromomethane	1.54	94	20115	4.243	ug/L	98
8) Chloroethane	1.60	64	22591	4.874	ug/L	100
9) Trichlorofluoromethane	1.77	101	59218	4.719	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34348	4.826	ug/L	97
12) 1,1-Dichloroethene	2.15	96	29880	4.698	ug/L	98
13) Acetone	2.22	43	48723	43.106	ug/L	99
14) Carbon disulfide	2.32	76	75027	4.352	ug/L	100
15) Methyl Acetate	2.47	43	13045	4.513	ug/L	98
16) Methylene chloride	2.54	84	31846	4.507	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	73264	4.663	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	32705	4.665	ug/L	99
19) 1,1-Dichloroethane	3.23	63	57516	4.808	ug/L	98
21) 2-Butanone	4.05	43	80805	44.871	ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	35362	4.982	ug/L	97

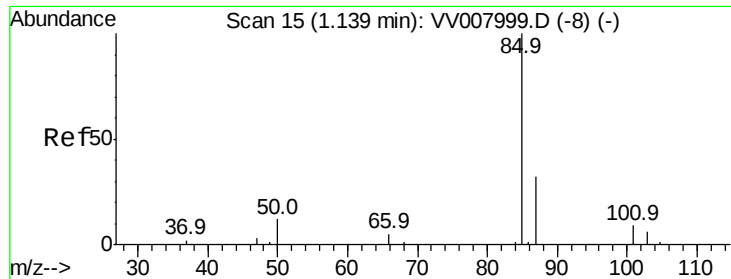
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	15516	5.026	ug/L	95
25) Chloroform	4.43	83	63426	4.903	ug/L	97
27) 1,2-Dichloroethane	5.19	62	38303	4.601	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	54919	4.917	ug/L	99
30) Cyclohexane	4.73	56	48388	4.608	ug/L	99
31) Carbon tetrachloride	4.88	117	49117	4.988	ug/L	100
33) Benzene	5.15	78	131796	4.955	ug/L	100
34) Trichloroethene	5.96	95	35341	4.640	ug/L	94
35) Methylcyclohexane	6.18	83	51866	4.541	ug/L	99
37) 1,2-Dichloropropane	6.23	63	33836	4.979	ug/L	98
38) Bromodichloromethane	6.56	83	40668	5.005	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	42910	4.721	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	205251	48.125	ug/L	100
42) Toluene	7.43	91	147370	5.088	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	34352	4.546	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	24040	4.902	ug/L	99
47) Tetrachloroethene	8.02	164	32802	4.648	ug/L	94
48) 2-Hexanone	8.19	43	145576	49.077	ug/L	98
49) Dibromochloromethane	8.30	129	27746	4.956	ug/L	96
50) 1,2-Dibromoethane	8.40	107	22129	4.937	ug/L	99
51) Chlorobenzene	8.93	112	96962	4.846	ug/L	100
52) Ethylbenzene	9.06	91	156183	4.833	ug/L	99
53) m,p-xylene	9.19	106	59607	4.844	ug/L	98
54) o-xylene	9.59	106	57569	4.844	ug/L	99
55) Styrene	9.61	104	99847	4.919	ug/L	99
56) Isopropylbenzene	9.98	105	155122	4.819	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27801	4.827	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	19962	4.722	ug/L	100
61) Bromoform	9.78	173	15324	5.108	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	78854	4.781	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	80684	4.705	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	76466	4.918	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3942	4.977	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	66144	4.684	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	51979	4.355	ug/L	100
69) Naphthalene	13.56	128	68377	4.096	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	49838	4.611	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.638 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

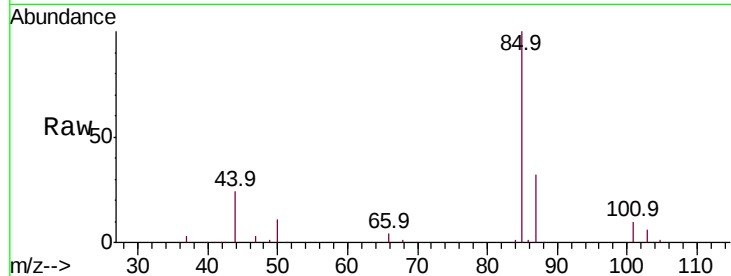
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 37427

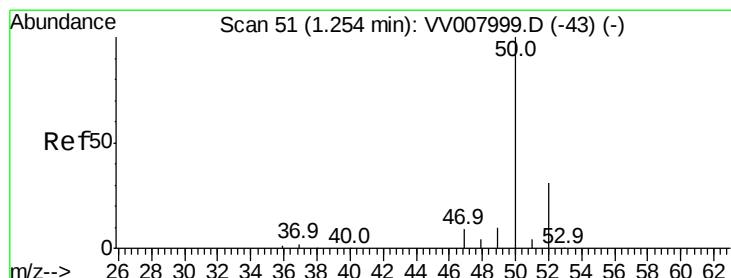
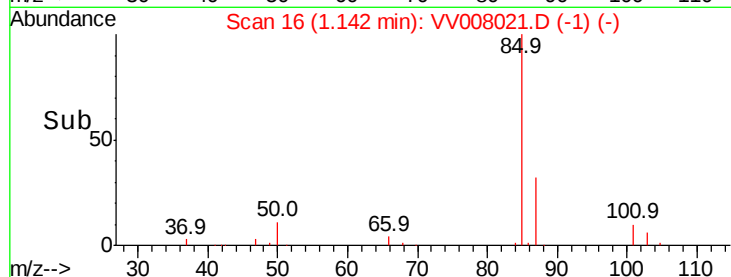
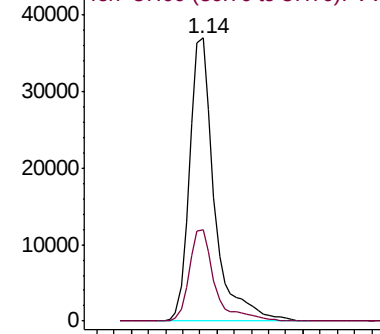
Ion Ratio Lower Upper

85 100

87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.689 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008021.D

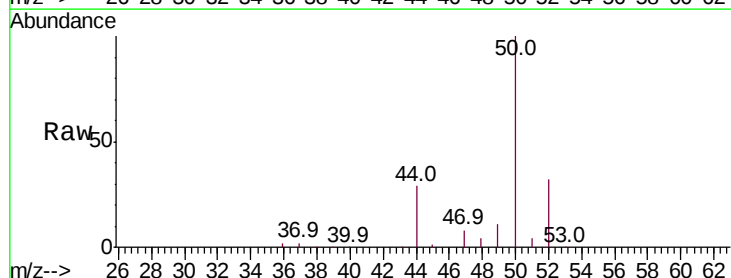
Acq: 02 Oct 2018 03:22

Tgt Ion: 50 Resp: 33666

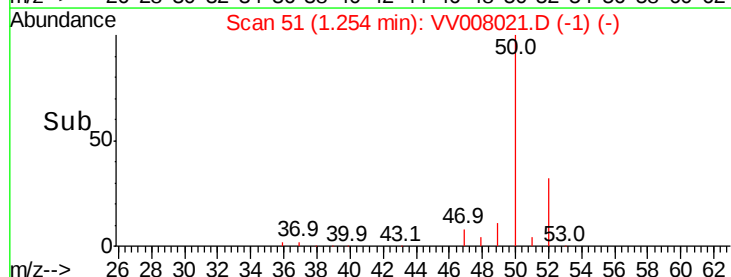
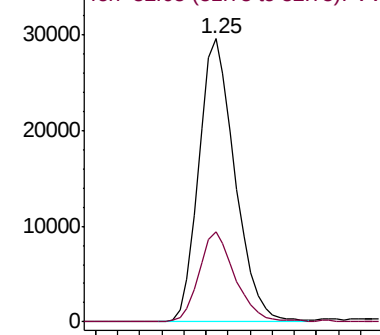
Ion Ratio Lower Upper

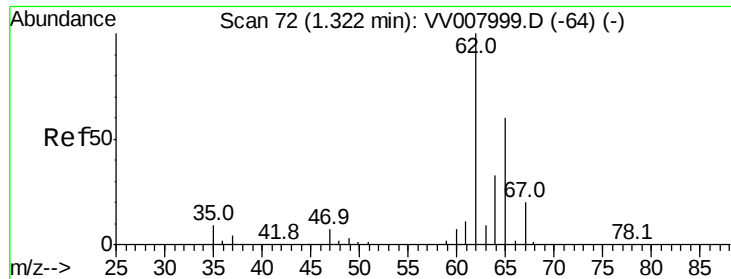
50 100

52 31.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.794 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

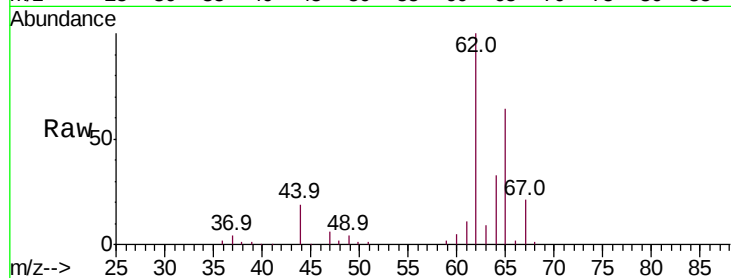
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 36852

Ion Ratio Lower Upper

62 100

64 33.1 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007999.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007999.D (-64) (-)

1.32

40000

30000

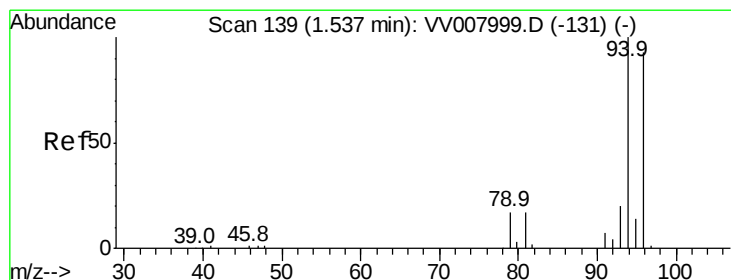
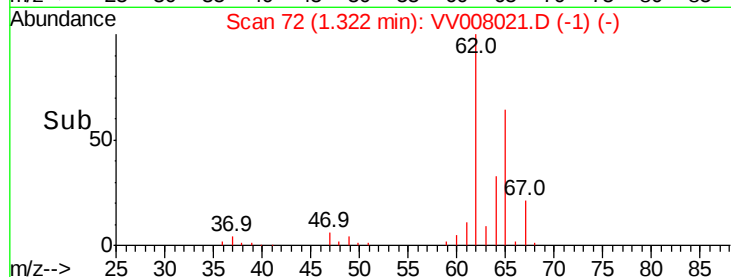
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.243 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008021.D

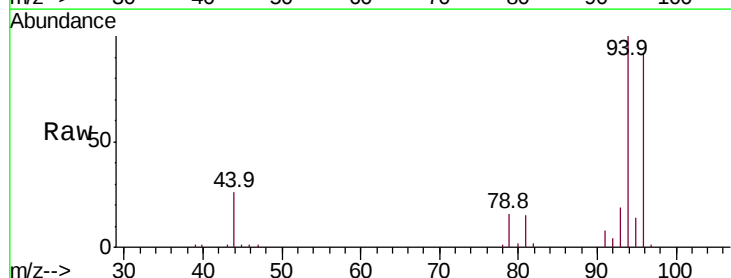
Acq: 02 Oct 2018 03:22

Tgt Ion: 94 Resp: 20115

Ion Ratio Lower Upper

94 100

96 91.6 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007999.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV007999.D (-131) (-)

1.54

20000

15000

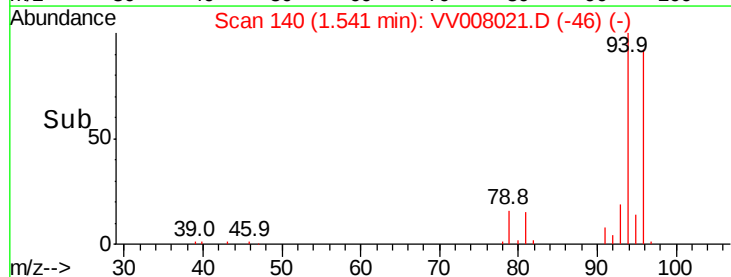
10000

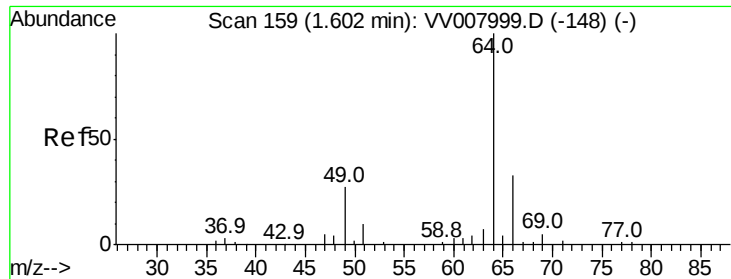
5000

0

1.50 1.55 1.60

Time-->

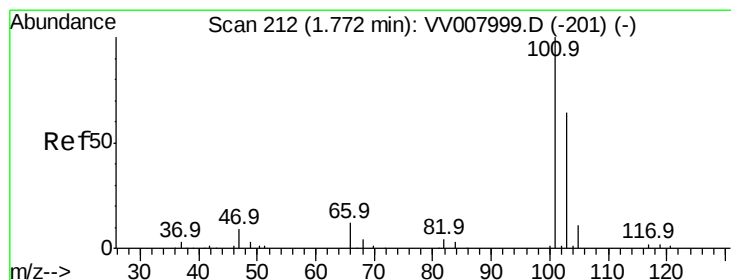
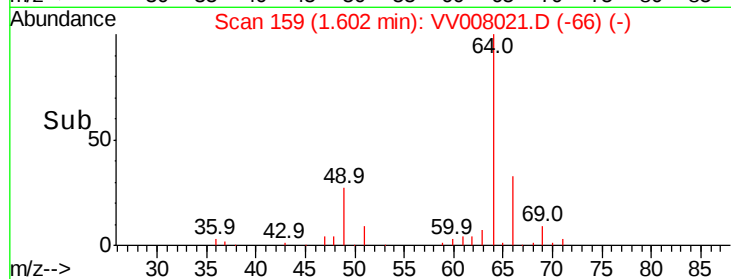
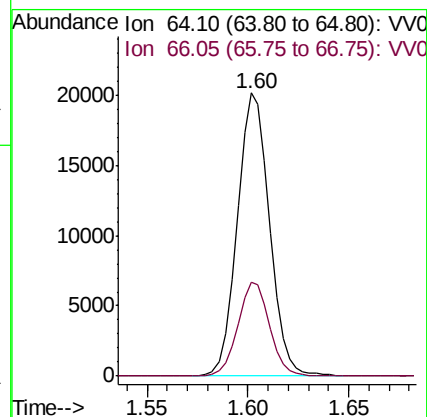
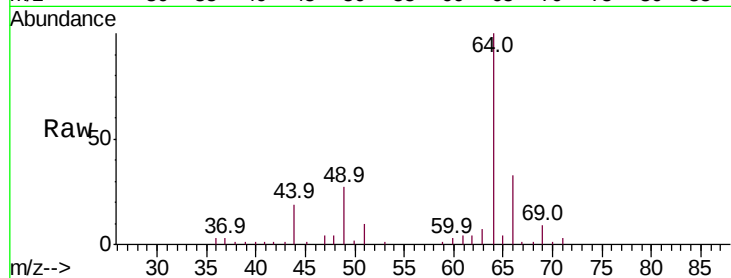




#8
Chloroethane
Concen: 4.874 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

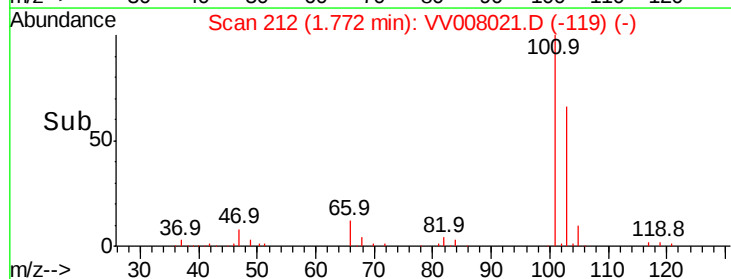
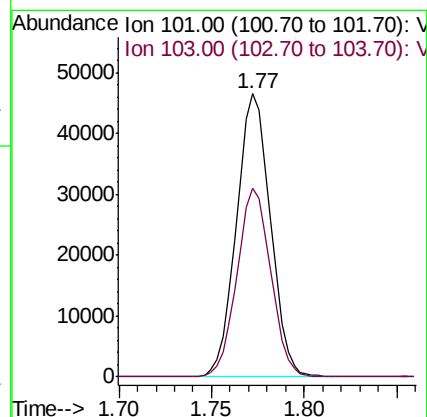
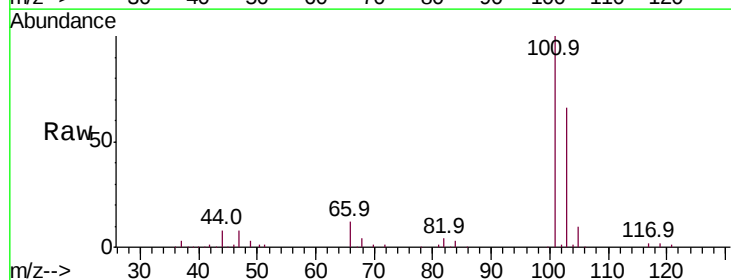
Instrument :
MSVOA_V
ClientSampleId :

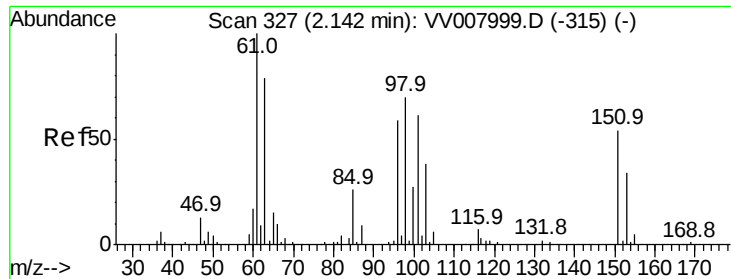
Tot Ion: 64 Resp: 22591
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.719 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion: 101 Resp: 59218
Ion Ratio Lower Upper
101 100
103 66.1 51.5 77.3





#10

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

Concen: 4.826 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

ClientSampled :

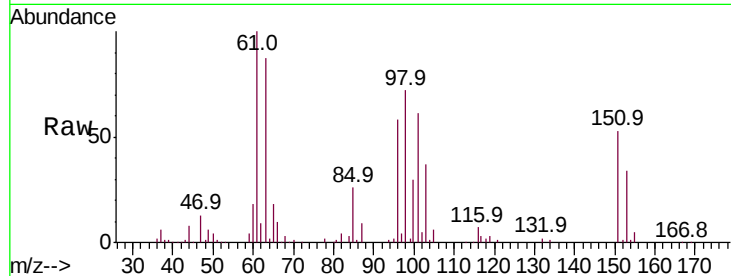
Tot Ion:101 Resp: 34348

Ion Ratio Lower Upper

101 100

85 41.8 34.7 52.1

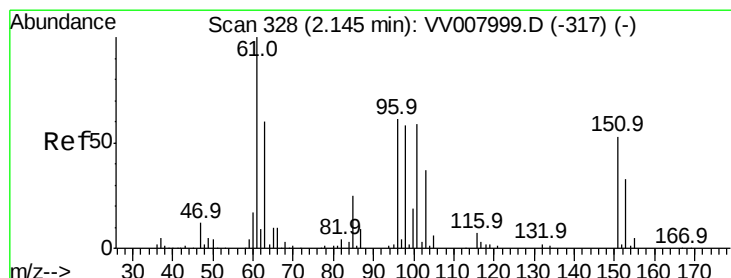
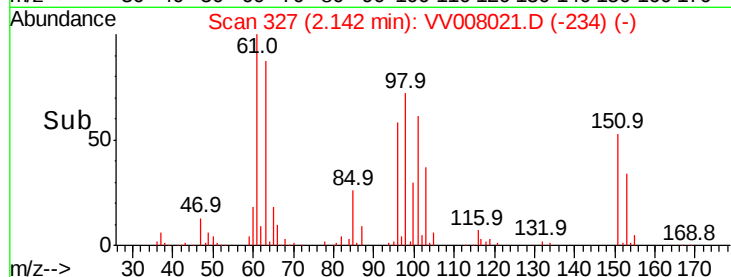
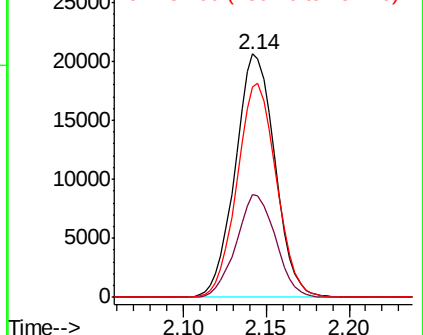
151 87.1 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.698 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

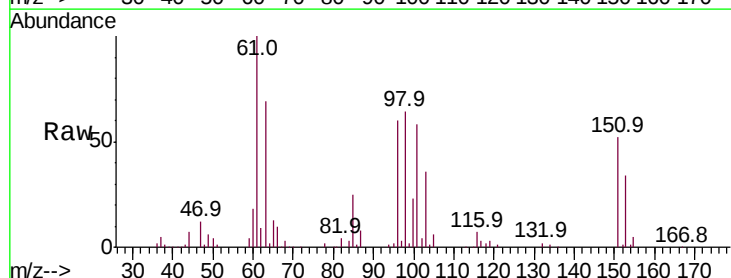
Tgt Ion: 96 Resp: 29880

Ion Ratio Lower Upper

96 100

61 165.9 114.1 211.9

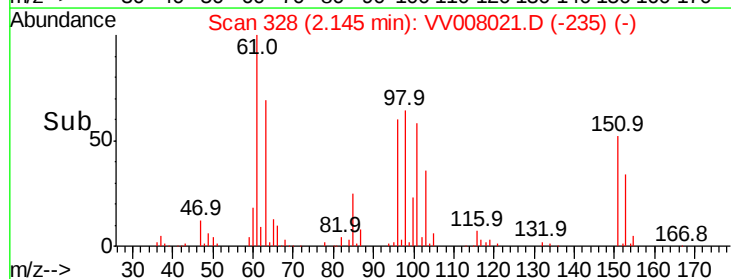
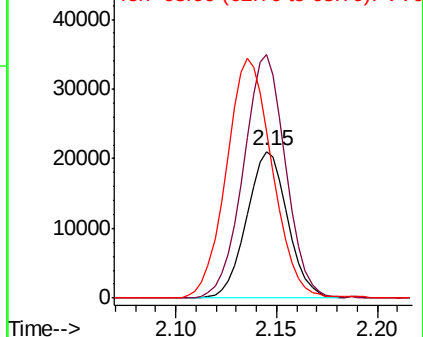
63 113.9 81.5 151.3

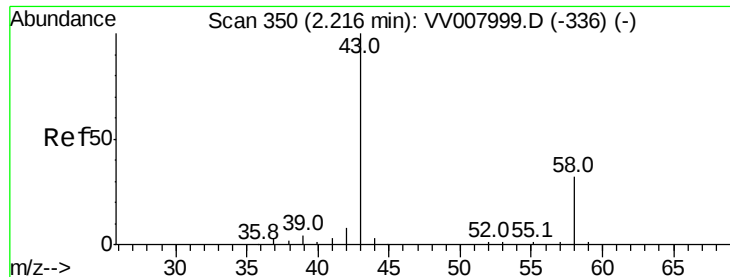


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.106 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

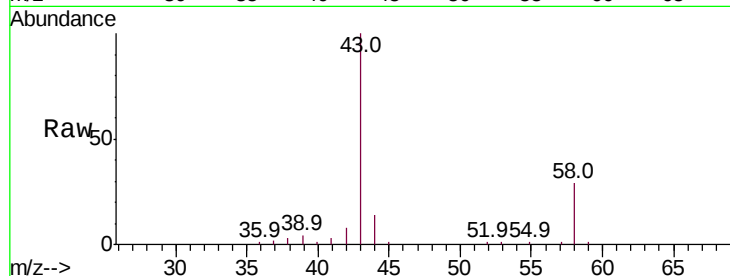
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 48723

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.0

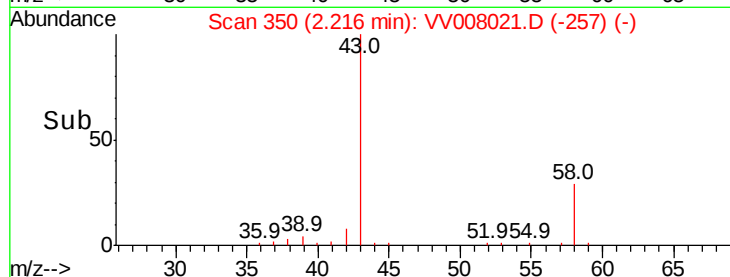


Abundance Ion 43.05 (42.75 to 43.75): VV007999.D (-336) (-)

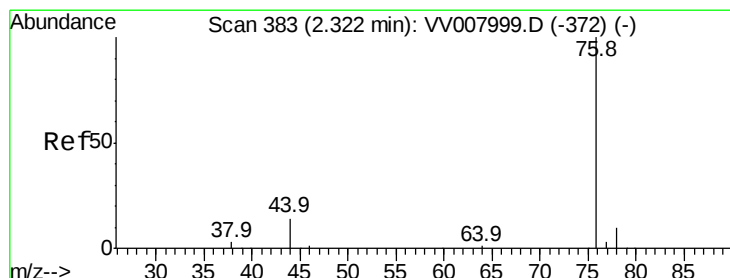
Ion 58.05 (57.75 to 58.75): VV007999.D (-336) (-)

2.22

Time-->



Time-->



#14

Carbon disulfide

Concen: 4.352 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008021.D

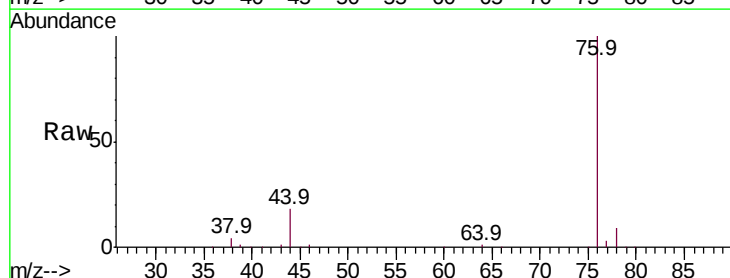
Acq: 02 Oct 2018 03:22

Tgt Ion: 76 Resp: 75027

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

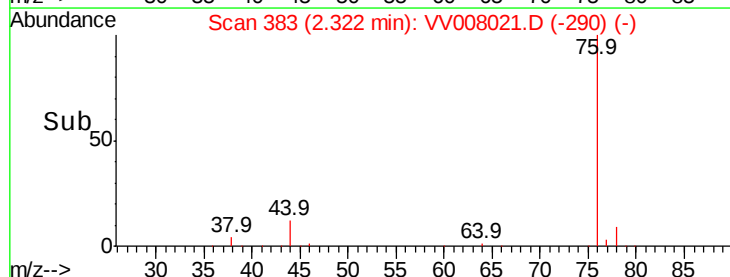


Abundance Ion 76.05 (75.75 to 76.75): VV007999.D (-372) (-)

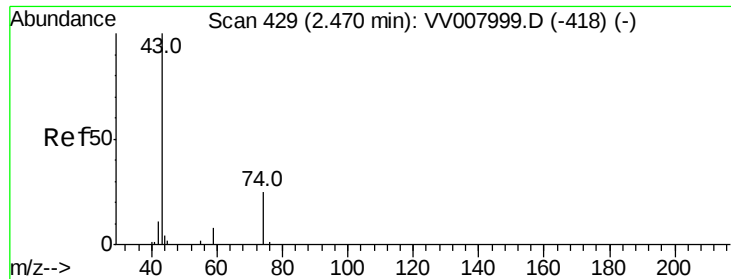
Ion 78.00 (77.70 to 78.70): VV007999.D (-372) (-)

2.32

Time-->



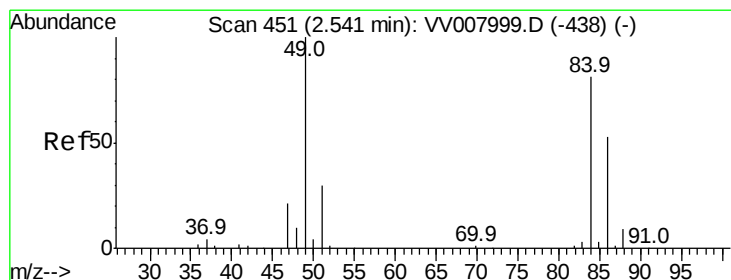
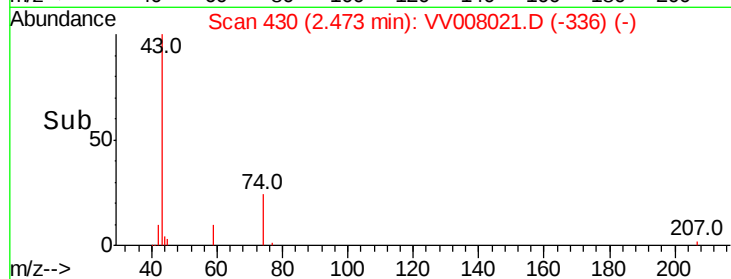
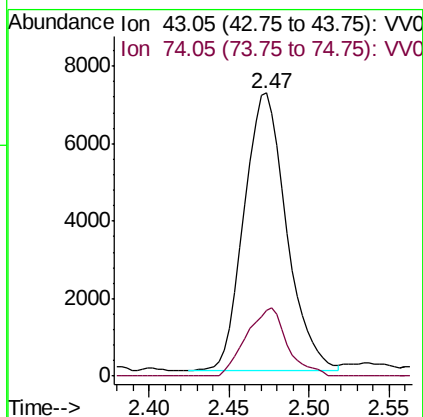
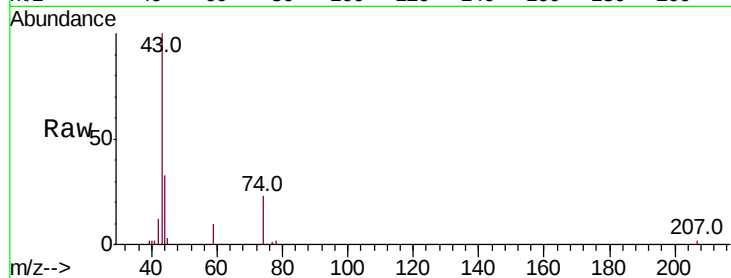
Time-->



#15
Methyl Acetate
Concen: 4.513 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

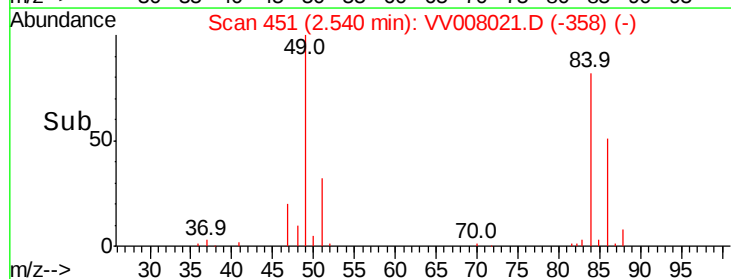
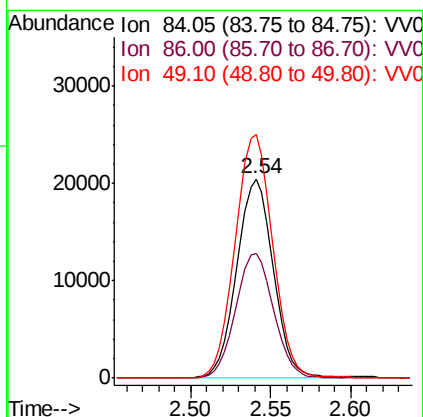
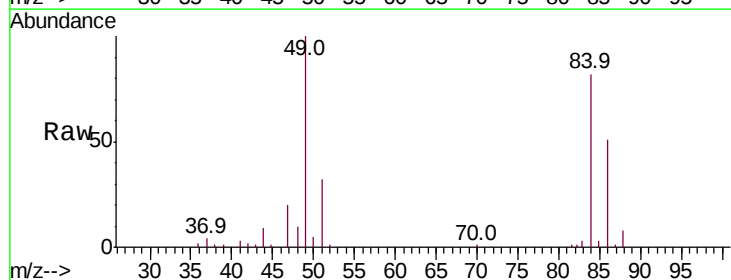
Instrument :
MSVOA_V
ClientSampled :

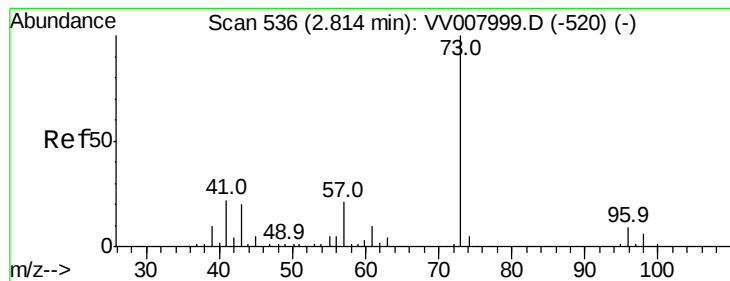
Tot Ion: 43 Resp: 13045
Ion Ratio Lower Upper
43 100
74 23.6 19.5 29.3



#16
Methylene chloride
Concen: 4.507 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion: 84 Resp: 31846
Ion Ratio Lower Upper
84 100
86 62.8 47.3 87.8
49 122.4 90.0 167.2



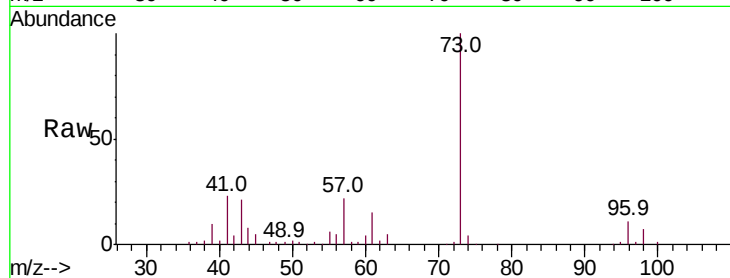


#17

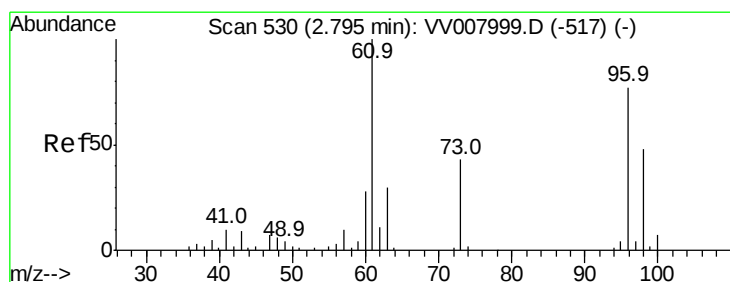
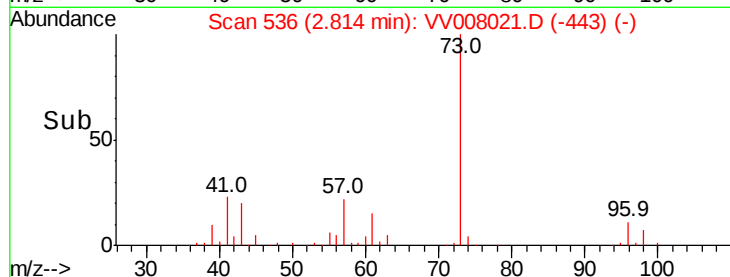
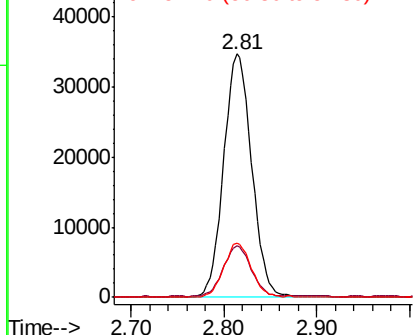
Methvl tert-butvl Ether
 Concen: 4.663 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 73264
 Ion Ratio Lower Upper
 73 100
 43 20.5 16.8 25.2
 57 21.7 17.6 26.4



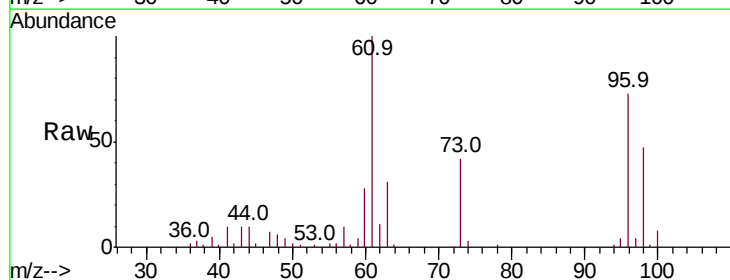
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



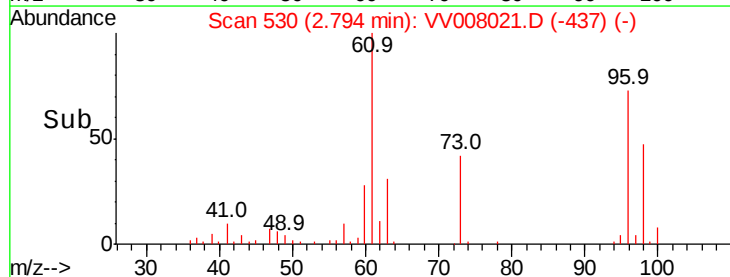
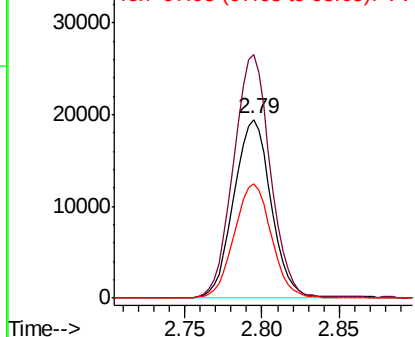
#18

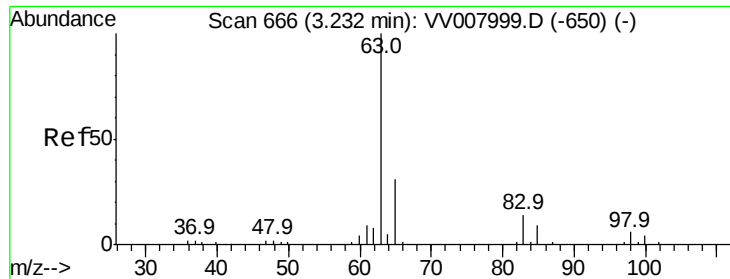
trans-1,2-Dichloroethene
 Concen: 4.665 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion: 96 Resp: 32705
 Ion Ratio Lower Upper
 96 100
 61 136.4 94.2 175.0
 98 64.0 44.9 83.5



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

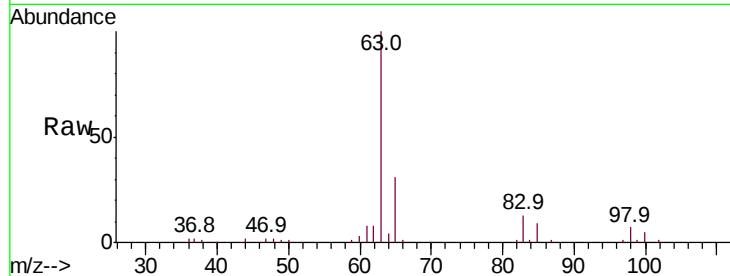




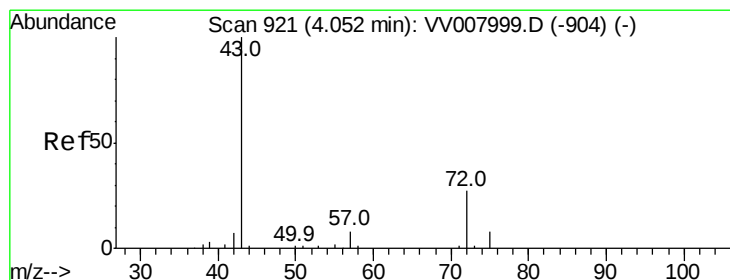
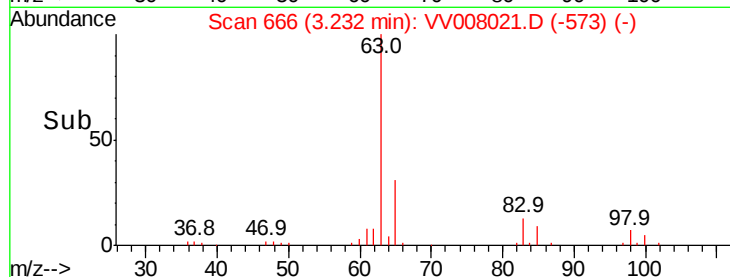
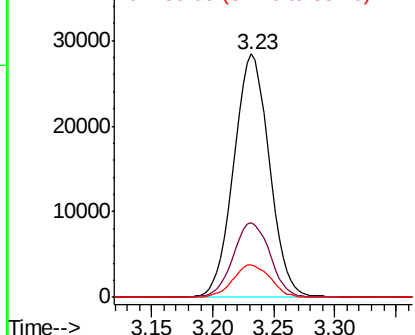
#19
 1,1-Dichloroethane
 Concen: 4.808 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 57516
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.5
 83 13.1 9.8 18.2

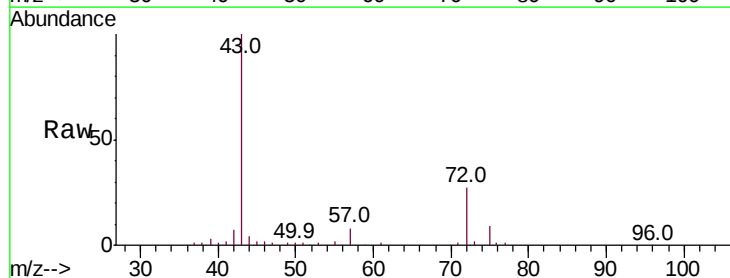


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

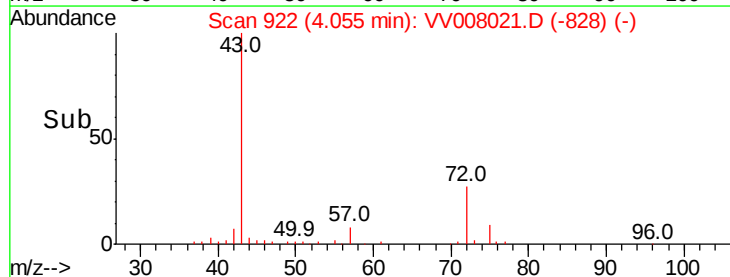
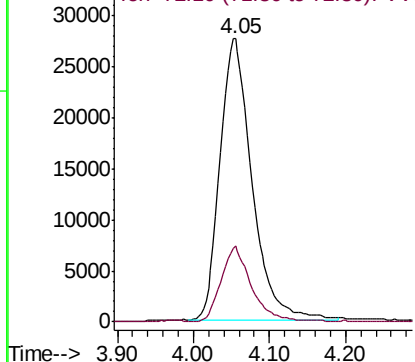


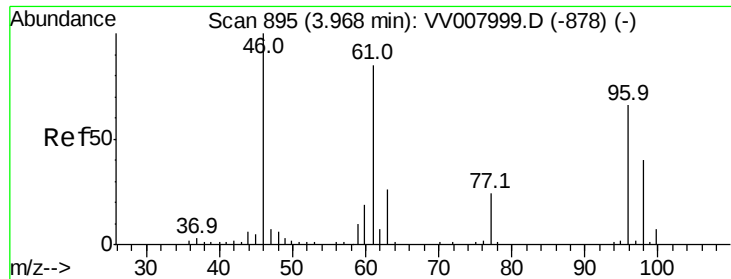
#21
 2-Butanone
 Concen: 44.871 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion: 43 Resp: 80805
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



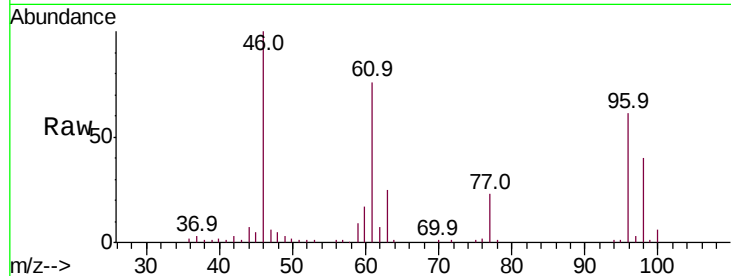


#22

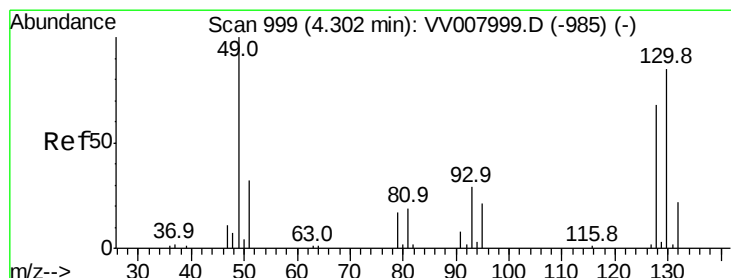
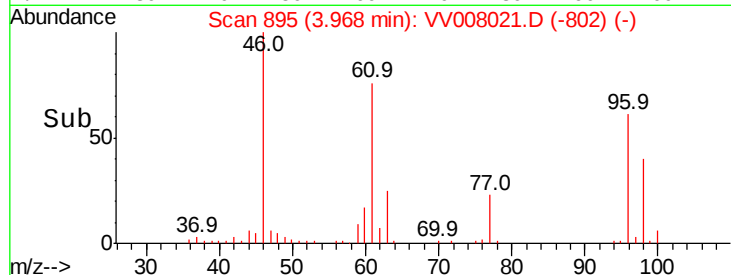
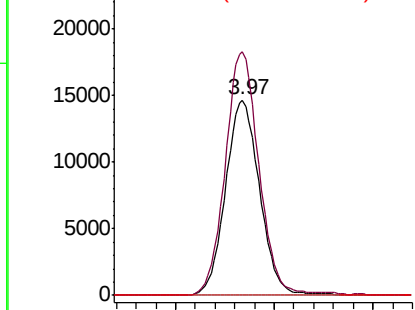
cis-1,2-Dichloroethene
 Concen: 4.982 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 35362
 Ion Ratio Lower Upper
 96 100
 61 124.7 89.5 166.1
 68 0.0 0.0 0.0



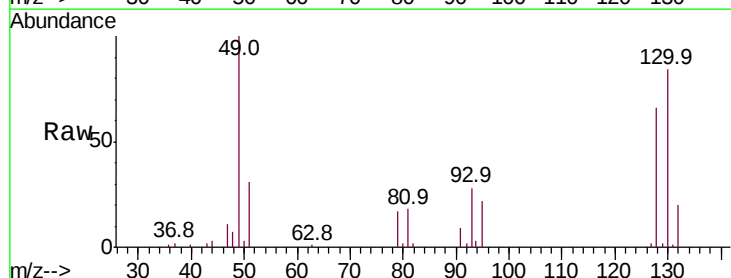
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



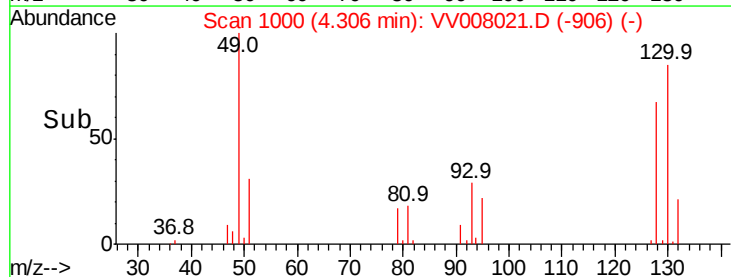
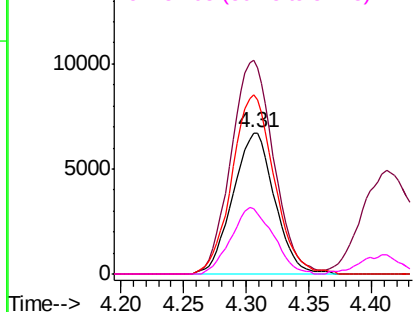
#23

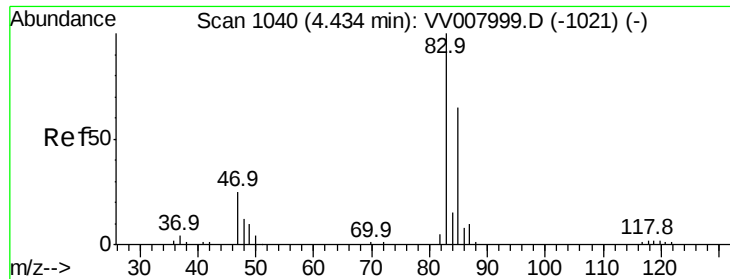
Bromochloromethane
 Concen: 5.026 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion: 128 Resp: 15516
 Ion Ratio Lower Upper
 128 100
 49 151.7 112.8 209.4
 130 126.9 92.3 171.5
 51 46.4 38.4 57.6



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

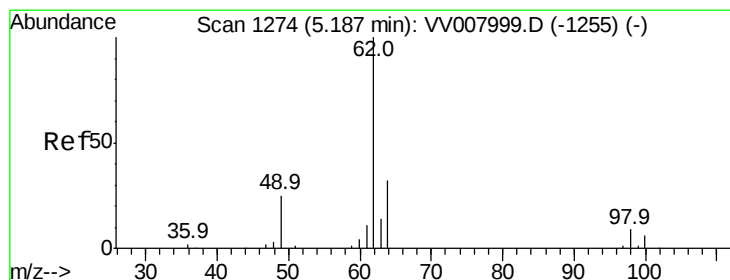
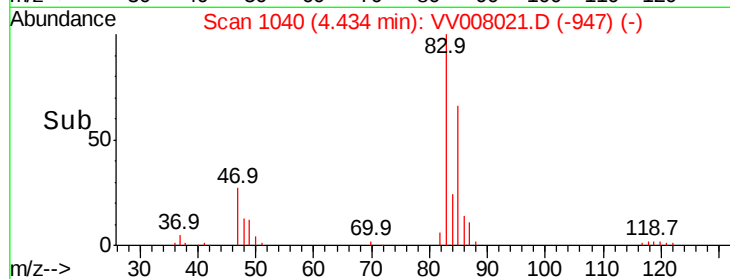
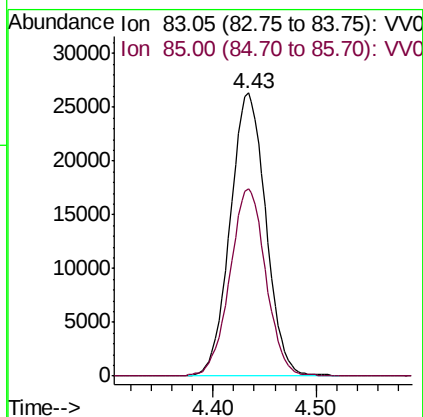
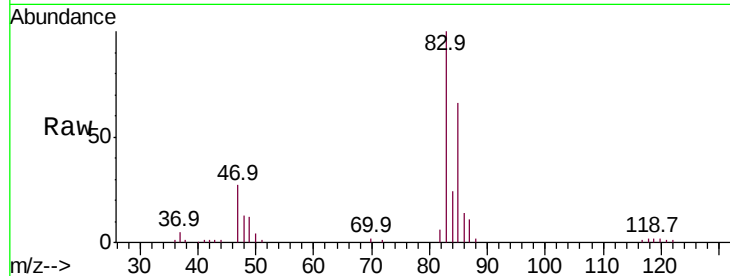




#25
Chloroform
Concen: 4.903 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

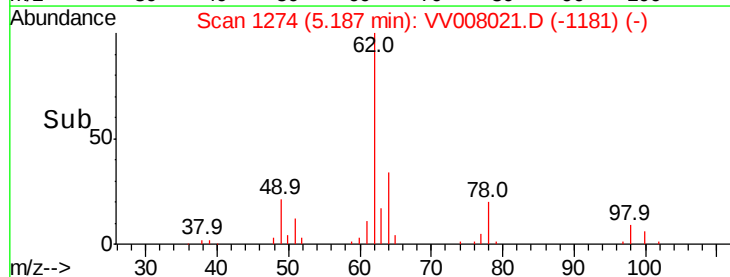
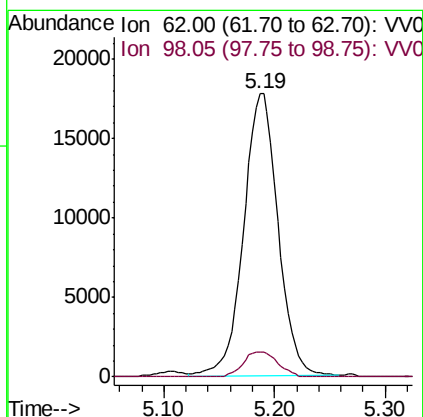
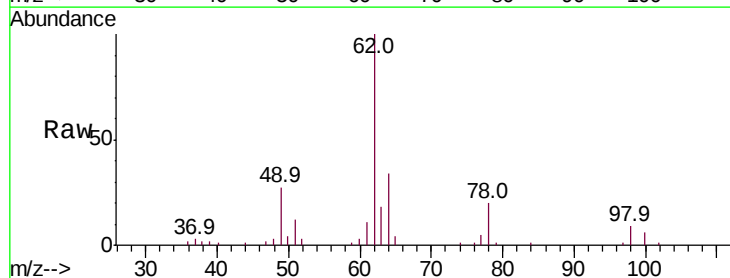
Instrument :
MSVOA_V
ClientSampled :

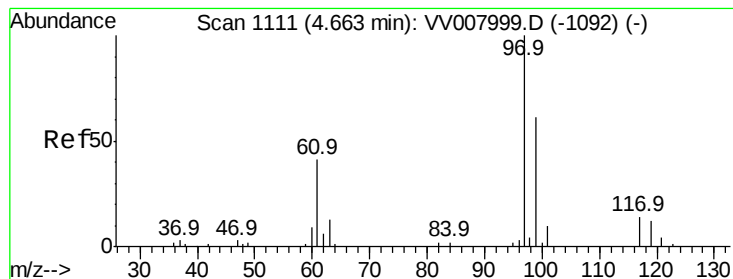
Tot Ion: 83 Resp: 63426
Ion Ratio Lower Upper
83 100
85 66.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.601 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion: 62 Resp: 38303
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 4.917 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

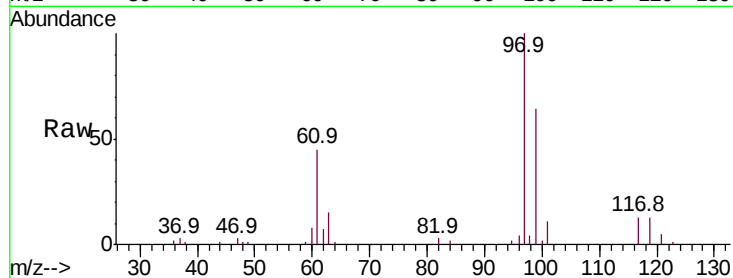
Tot Ion: 97 Resp: 54919

Ion Ratio Lower Upper

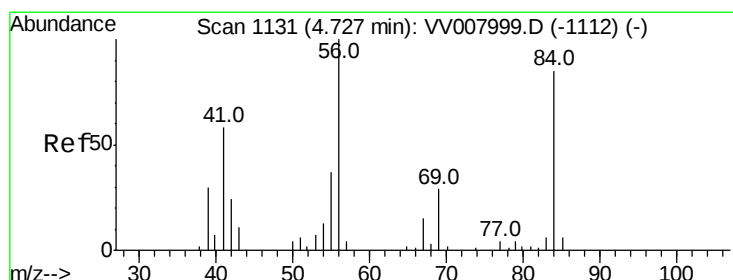
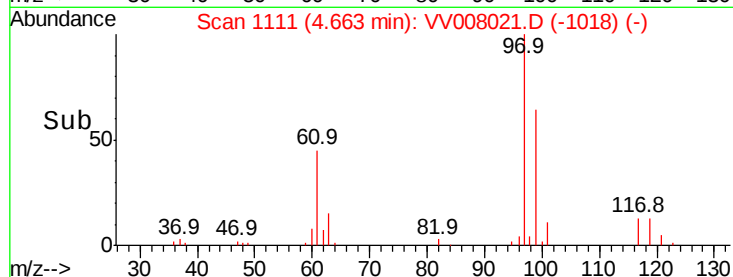
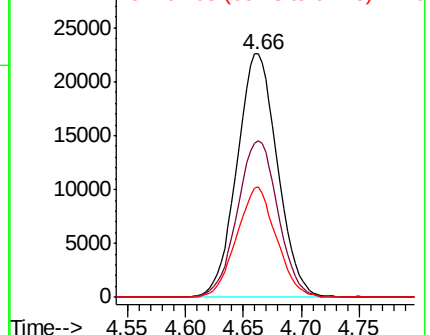
97 100

99 64.5 51.2 76.8

61 44.3 34.6 52.0



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



#30

Cyclohexane

Concen: 4.608 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

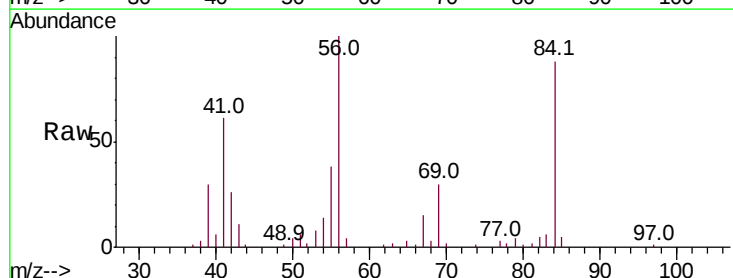
Tgt Ion: 56 Resp: 48388

Ion Ratio Lower Upper

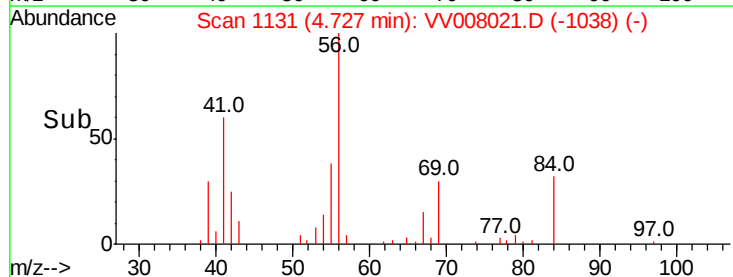
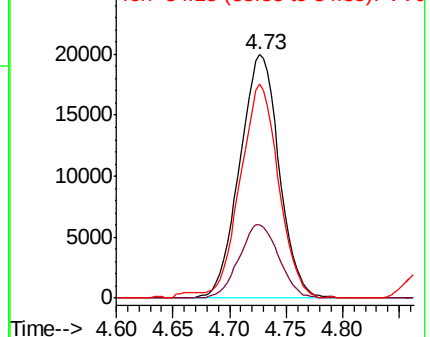
56 100

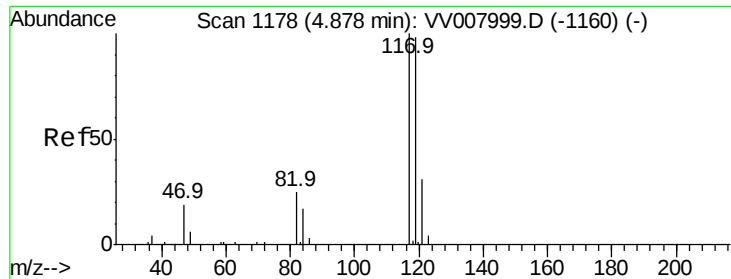
69 30.3 24.2 36.4

84 85.6 69.8 104.8



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





#31

Carbon tetrachloride

Concen: 4.988 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

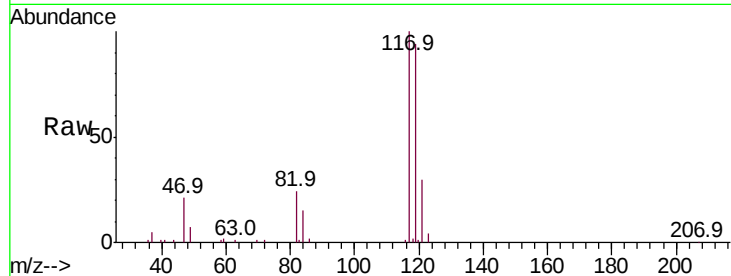
ClientSampleId :

Tot Ion:117 Resp: 49117

Ion Ratio Lower Upper

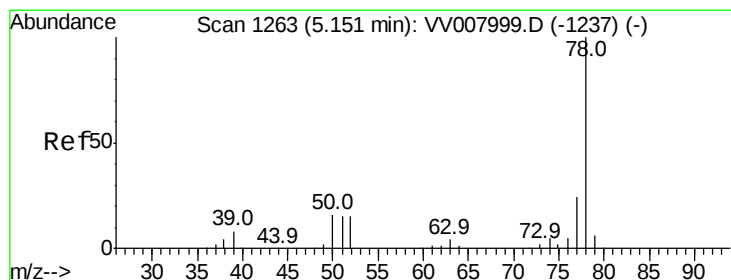
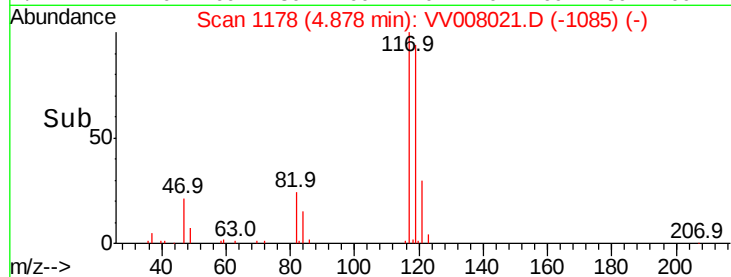
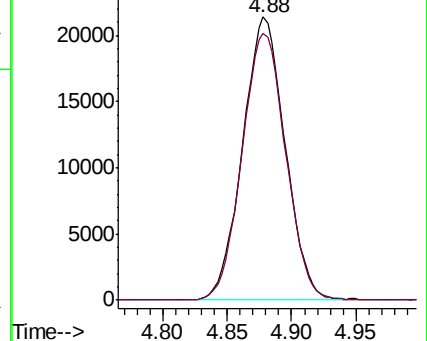
117 100

119 96.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.955 ug/L

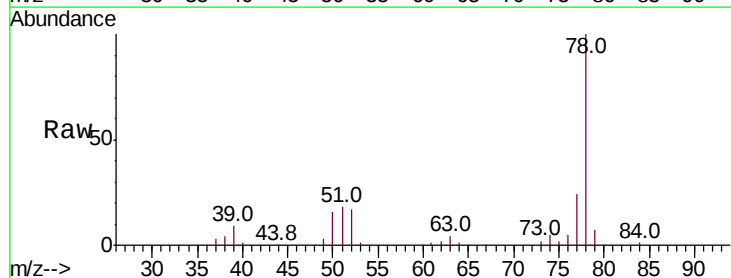
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

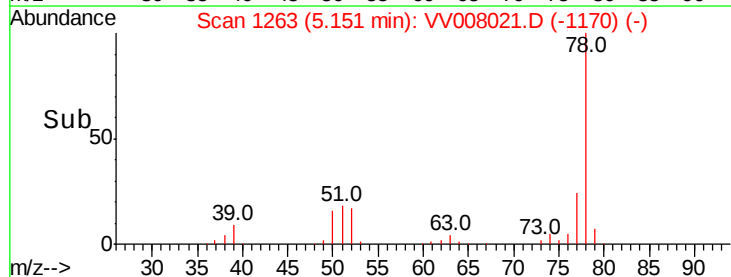
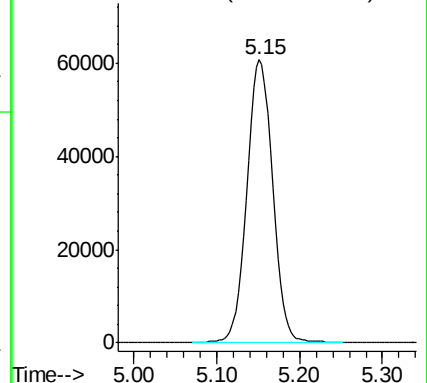
Lab File: VV008021.D

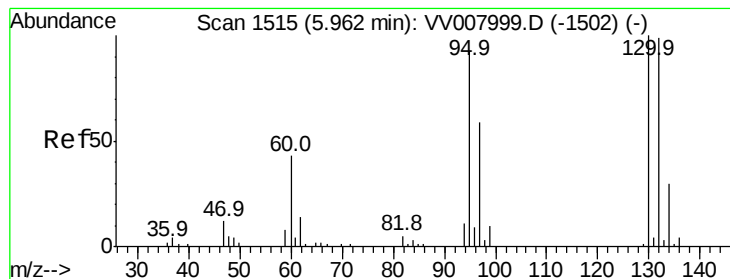
Acq: 02 Oct 2018 03:22

Tgt Ion: 78 Resp: 131796



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.640 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 35341

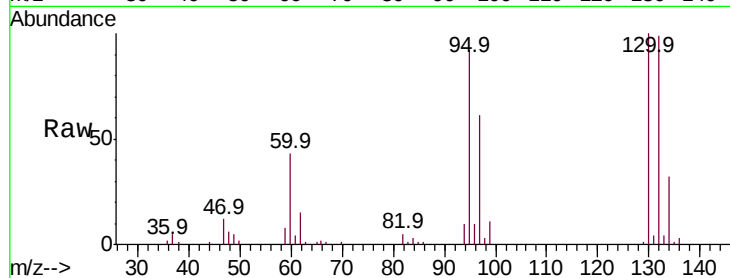
Ion Ratio Lower Upper

95 100

97 65.9 43.6 81.0

132 107.0 69.9 129.9

130 108.2 71.7 133.3

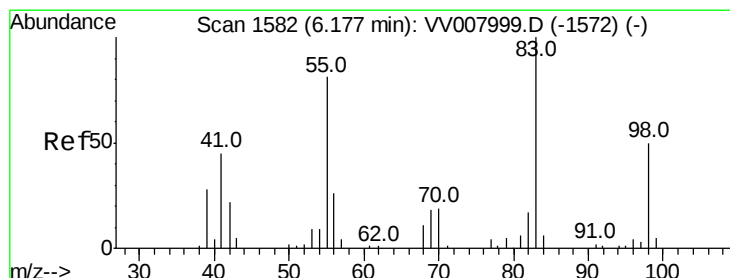
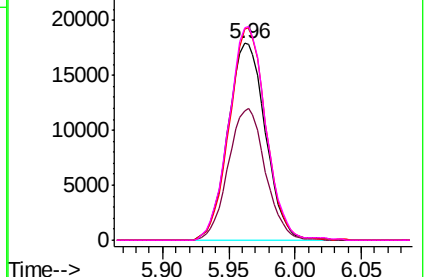
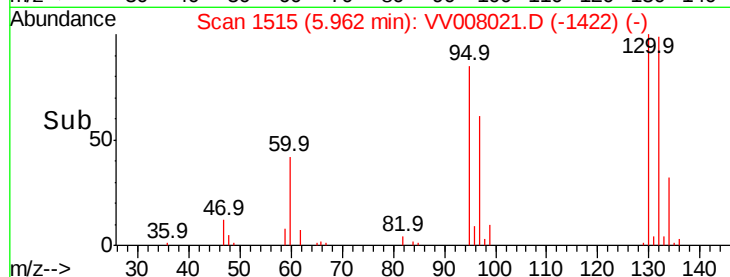


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.541 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

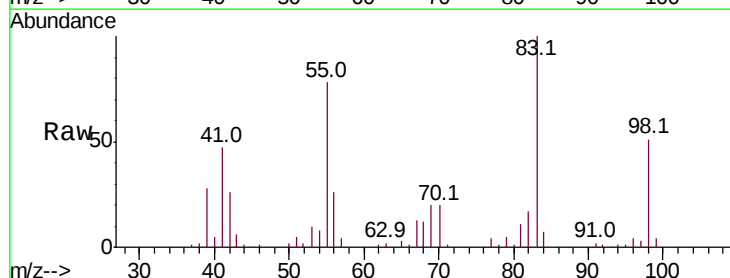
Tgt Ion: 83 Resp: 51866

Ion Ratio Lower Upper

83 100

55 78.8 62.2 93.2

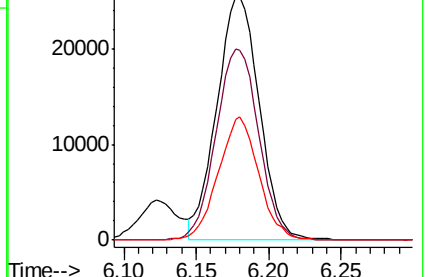
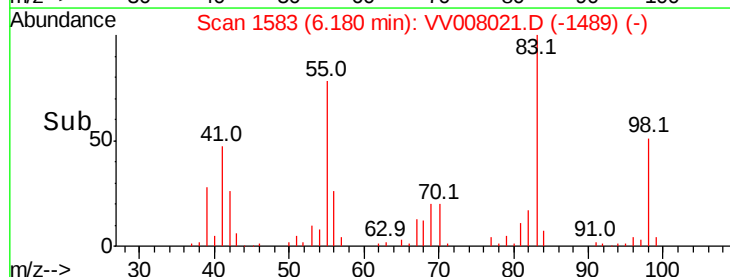
98 47.9 38.0 57.0

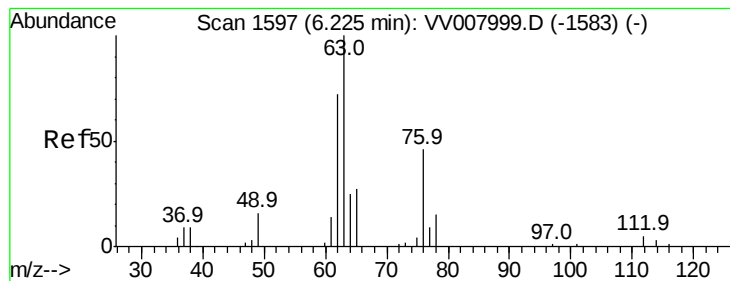


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.979 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

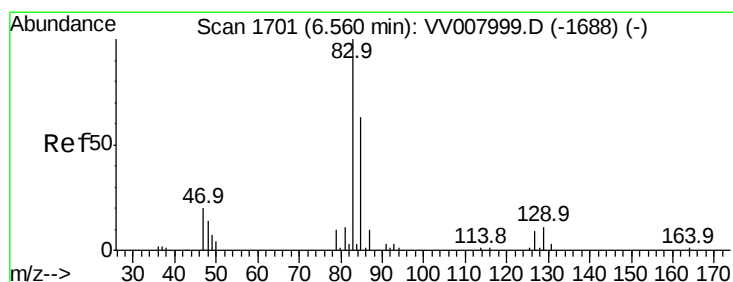
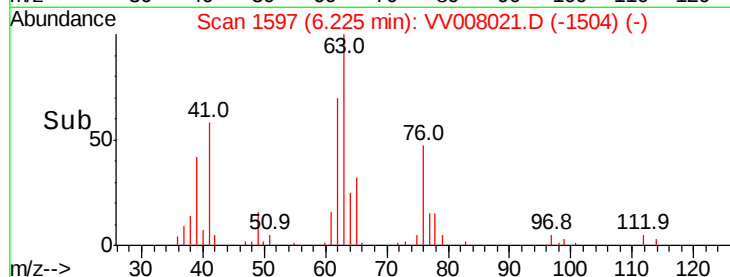
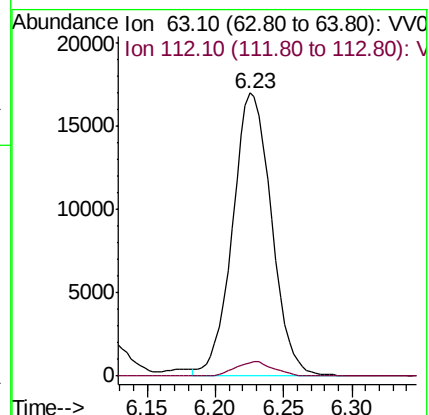
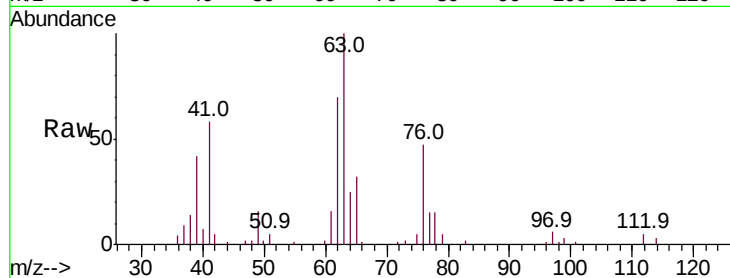
ClientSampleId :

Tot Ion: 63 Resp: 33836

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



#38

Bromodichloromethane

Concen: 5.005 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

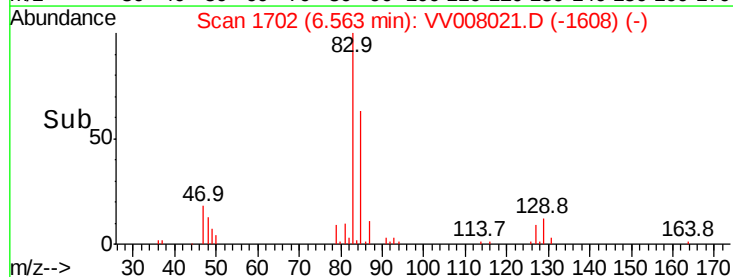
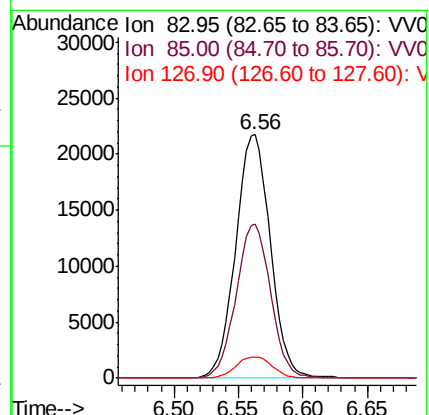
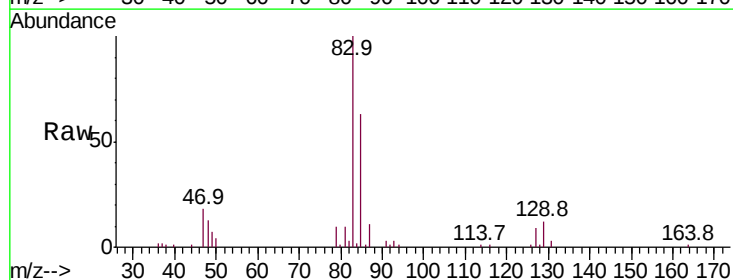
Tgt Ion: 83 Resp: 40668

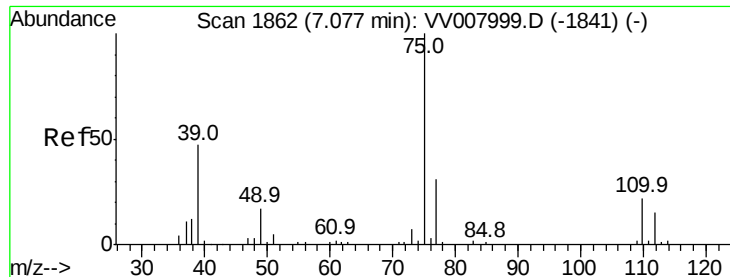
Ion Ratio Lower Upper

83 100

85 63.3 44.7 82.9

127 8.7 7.8 11.6

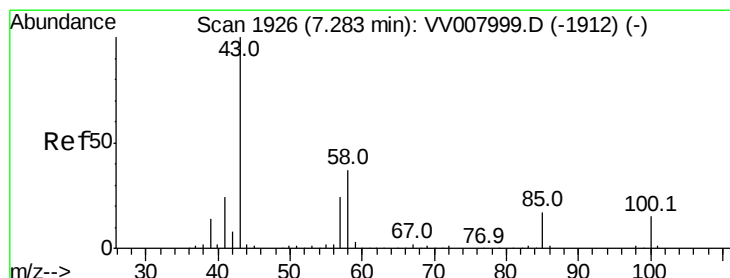
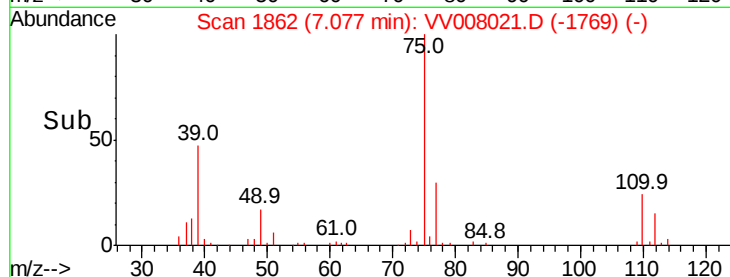
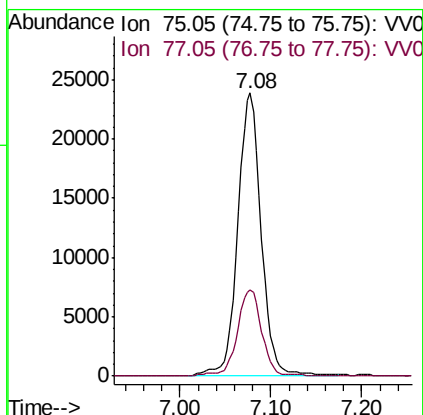
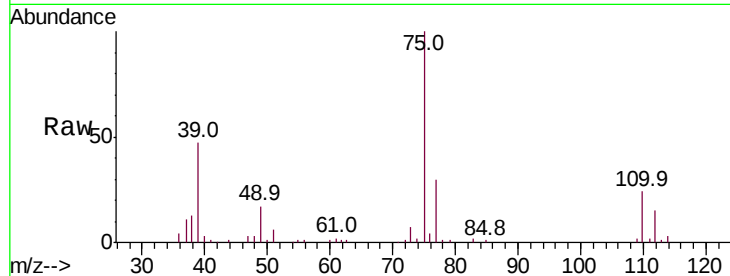




#39
 cis-1,3-Dichloropropene
 Concen: 4.721 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

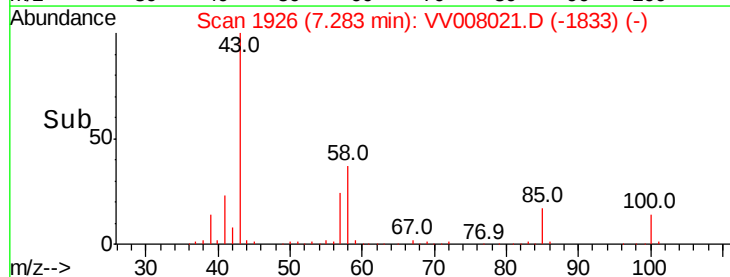
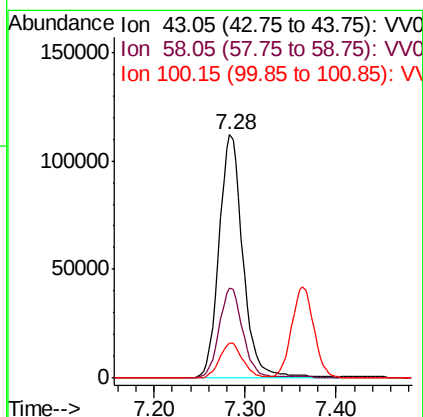
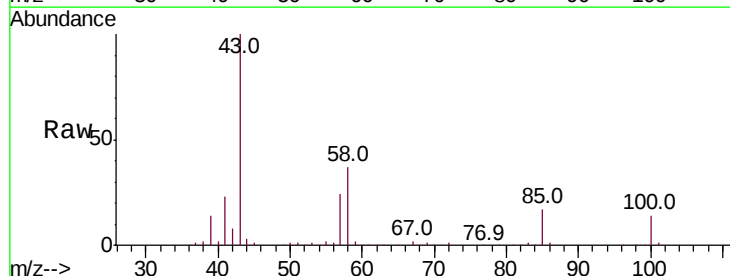
Instrument :
 MSVOA_V
 ClientSampled :

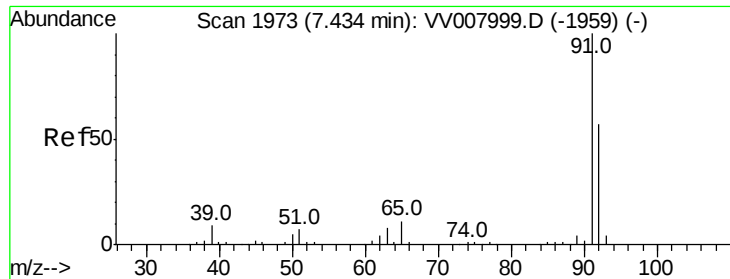
Tot Ion: 75 Resp: 42910
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 48.125 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion: 43 Resp: 205251
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.4 44.0
 100 14.0 11.5 17.3





#42

Toluene

Concen: 5.088 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

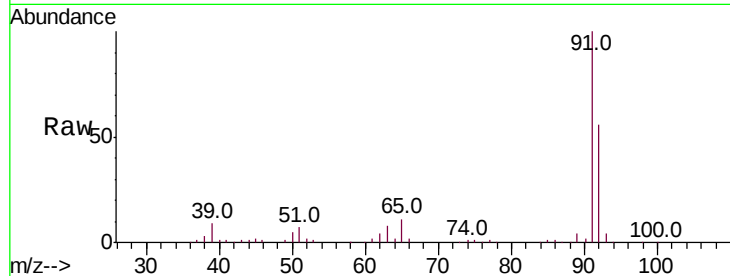
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 147370

Ion Ratio Lower Upper

91 100

92 55.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007999.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007999.D (-1959) (-)

7.43

100000

80000

60000

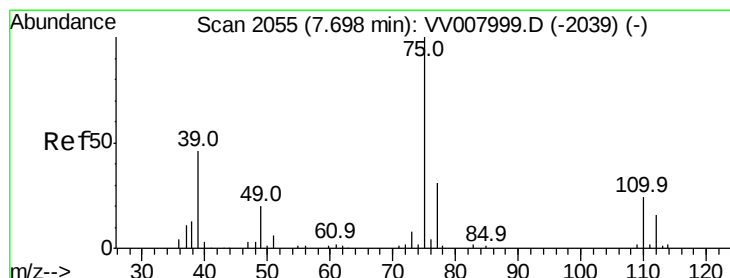
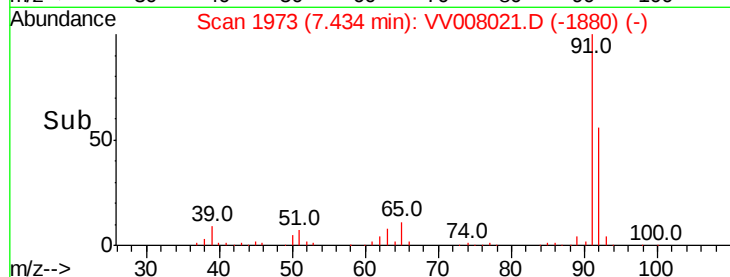
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.546 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008021.D

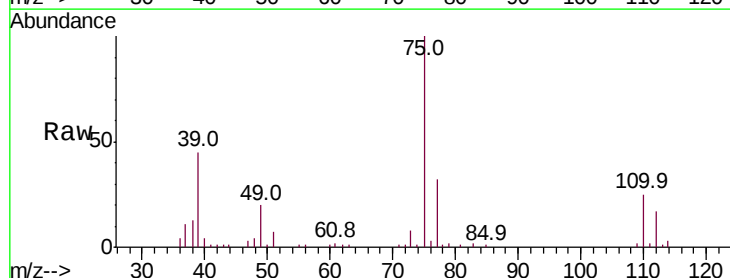
Acq: 02 Oct 2018 03:22

Tgt Ion: 75 Resp: 34352

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007999.D (-2039) (-)

7.70

20000

15000

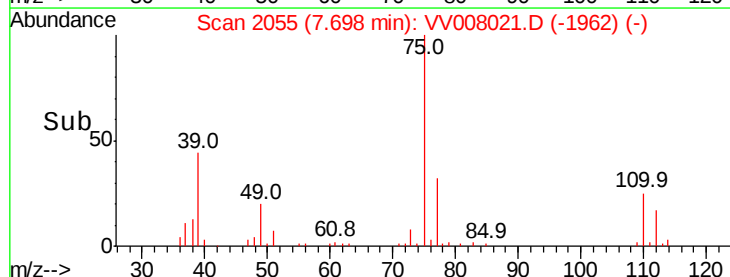
10000

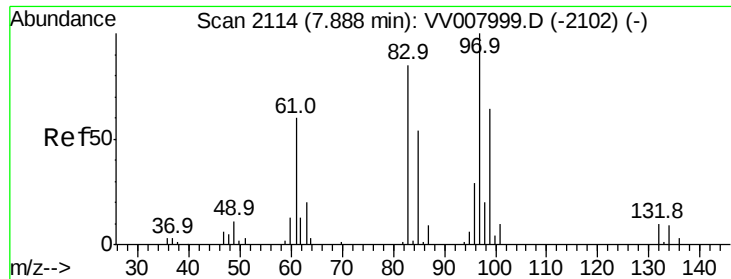
5000

0

7.60 7.70 7.80

Time-->

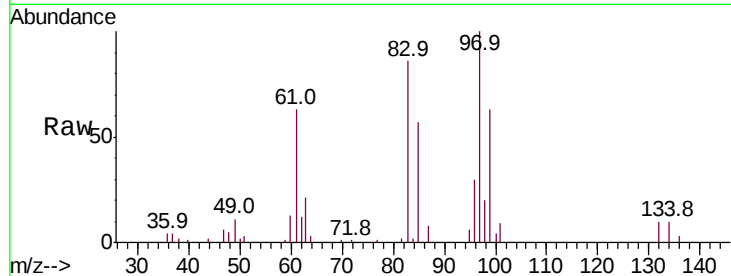




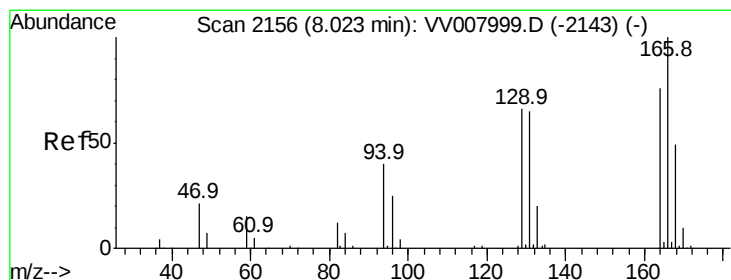
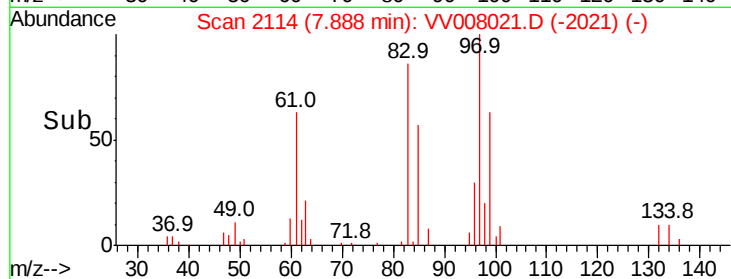
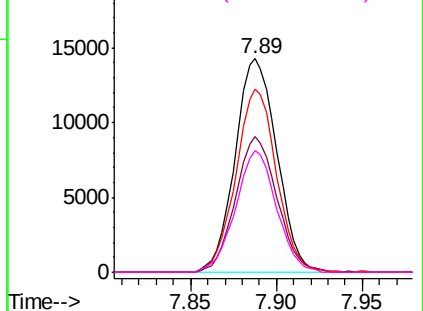
#45
1,1,2-Trichloroethane
Concen: 4.902 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 24040
Ion Ratio Lower Upper
97 100
99 63.3 43.5 80.9
83 85.9 59.7 110.9
85 56.9 39.5 73.3

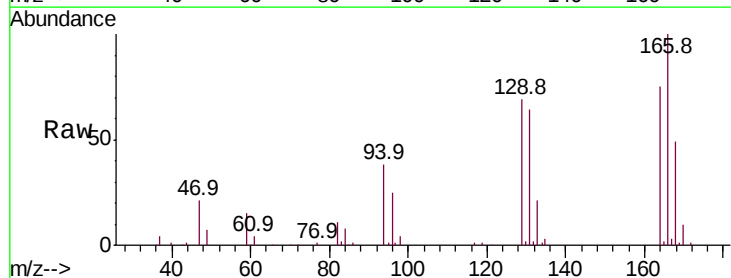


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

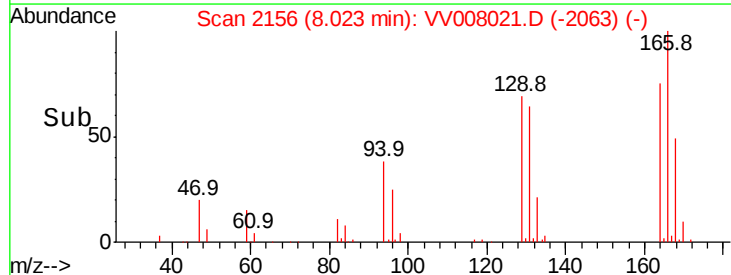
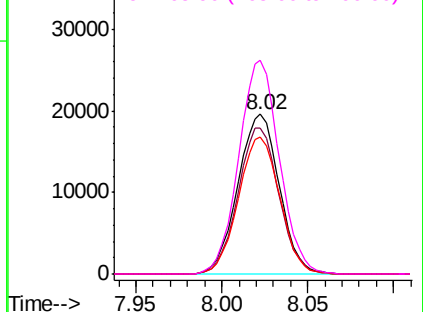


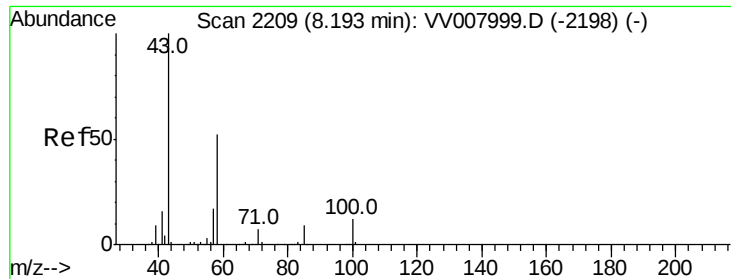
#47
Tetrachloroethene
Concen: 4.648 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion:164 Resp: 32802
Ion Ratio Lower Upper
164 100
129 91.6 59.2 110.0
131 85.4 57.1 106.1
166 133.6 88.6 164.6



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

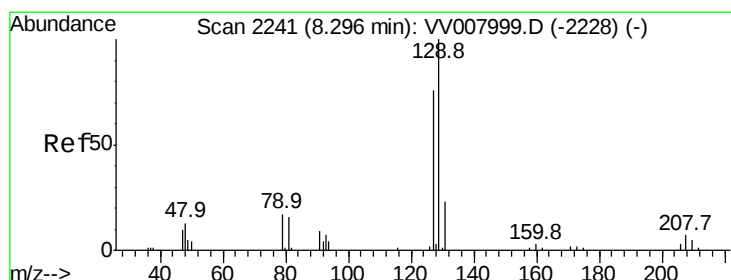
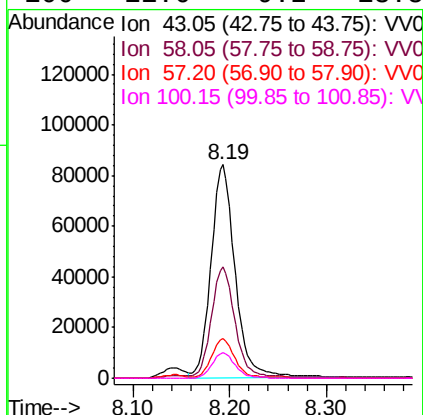
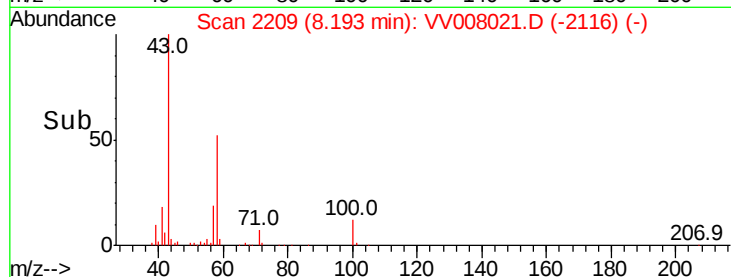
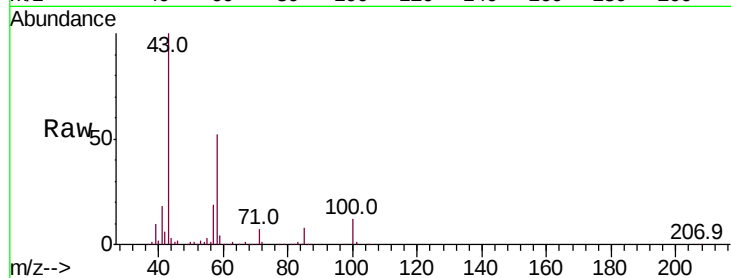




#48
2-Hexanone
Concen: 49.077 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

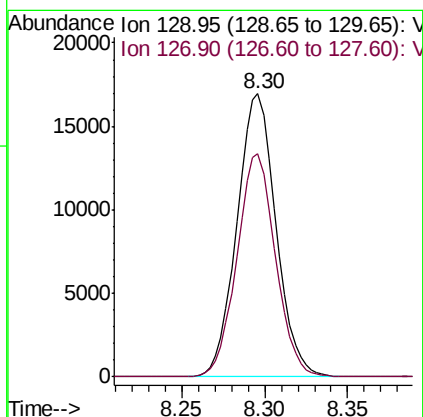
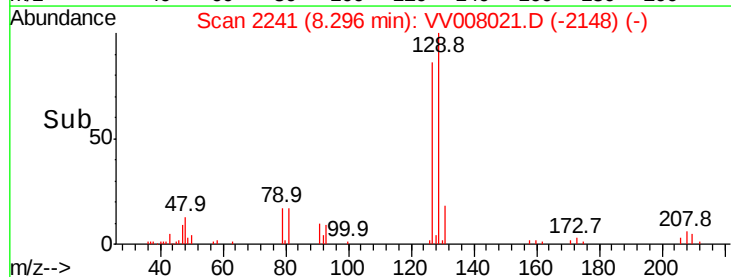
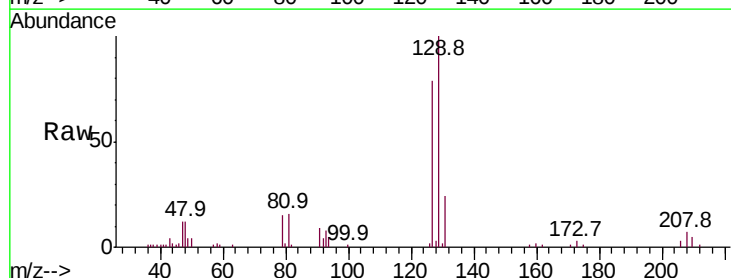
Instrument :
MSVOA_V
ClientSampleId :

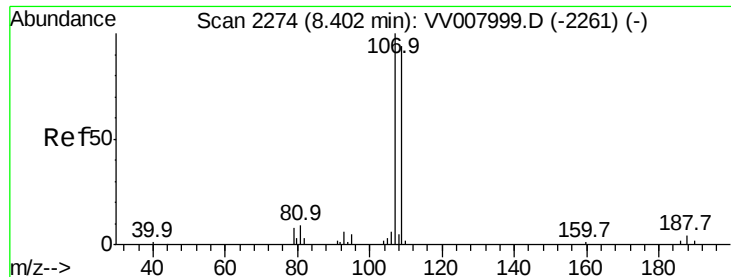
Tot Ion: 43 Resp: 145576
Ion Ratio Lower Upper
43 100
58 50.5 41.9 62.9
57 17.5 14.3 21.5
100 11.6 9.2 13.8



#49
Dibromochloromethane
Concen: 4.956 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion: 129 Resp: 27746
Ion Ratio Lower Upper
129 100
127 78.9 53.1 98.5

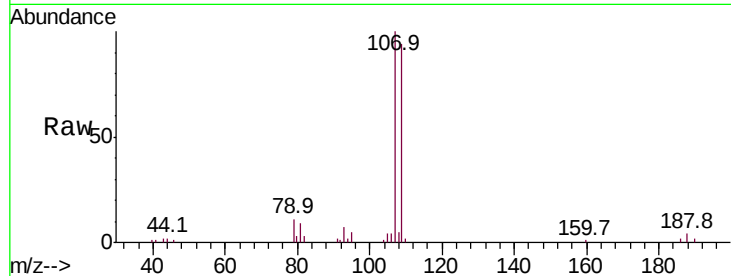




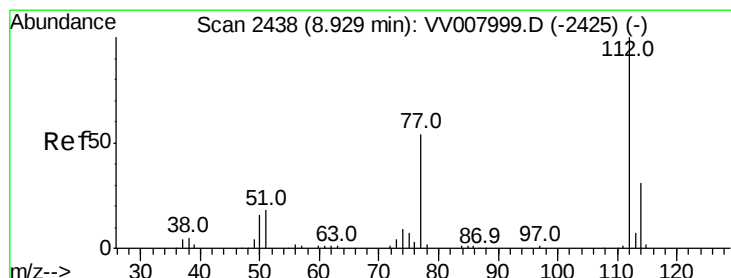
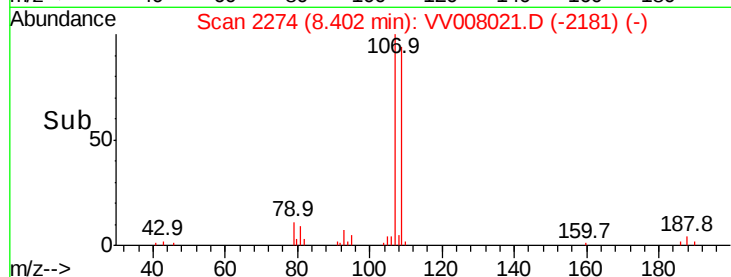
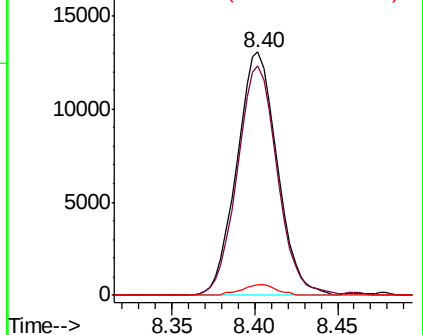
#50
1,2-Dibromoethane
Concen: 4.937 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	64.9	120.5
188	4.2	4.0	6.0

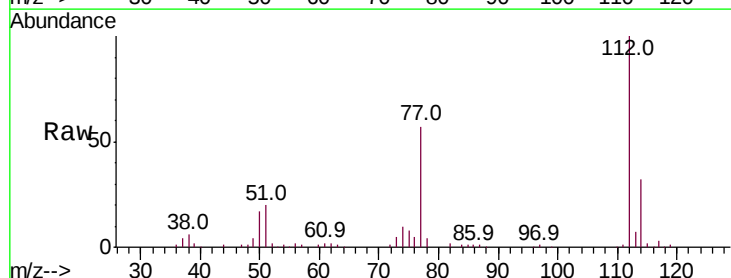


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

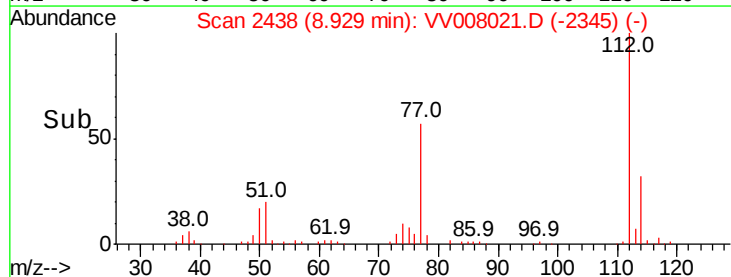
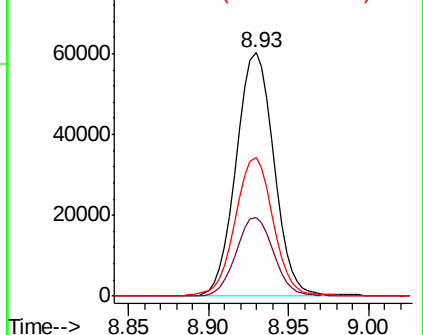


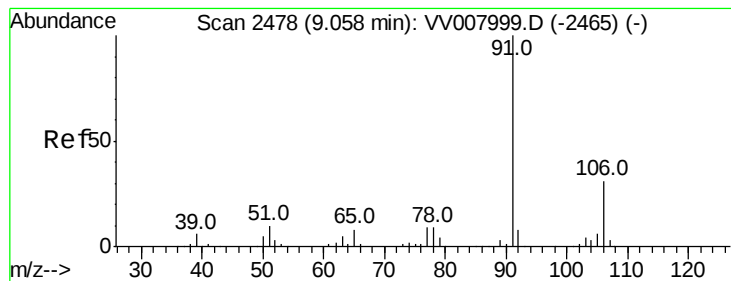
#51
Chlorobenzene
Concen: 4.846 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.4	41.6
77	56.7	45.0	67.6



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): V





#52

Ethylbenzene

Concen: 4.833 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

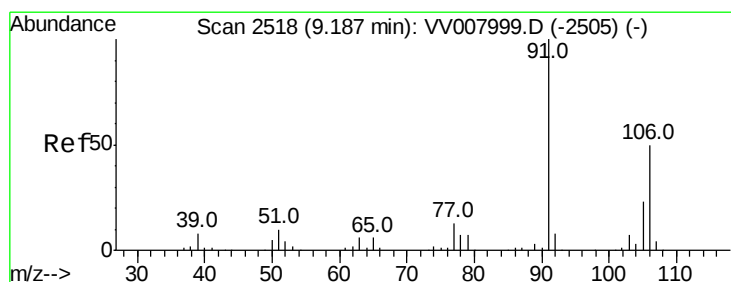
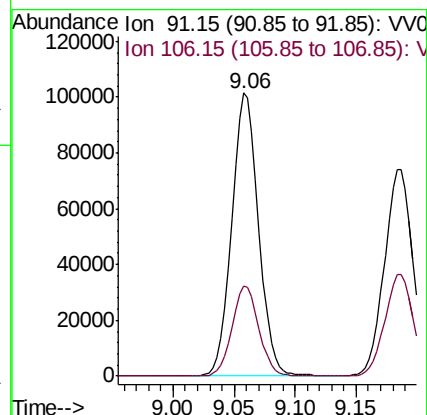
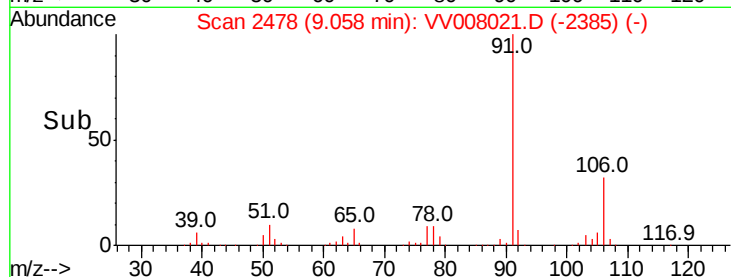
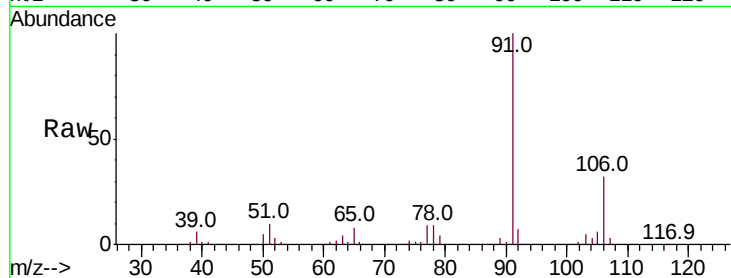
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 156183

Ion Ratio Lower Upper

91 100

106 31.7 21.7 40.3



#53

m,p-xylene

Concen: 4.844 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV008021.D

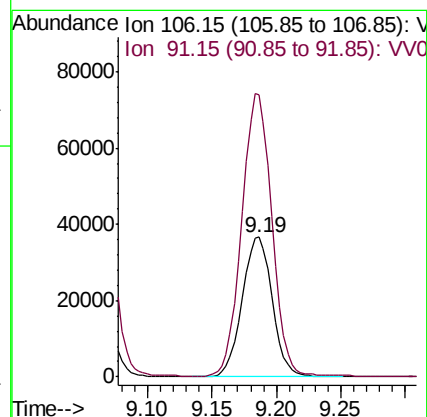
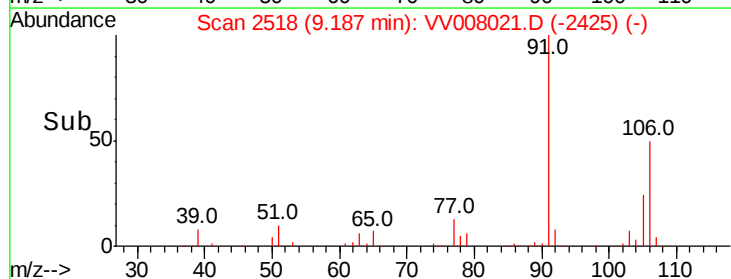
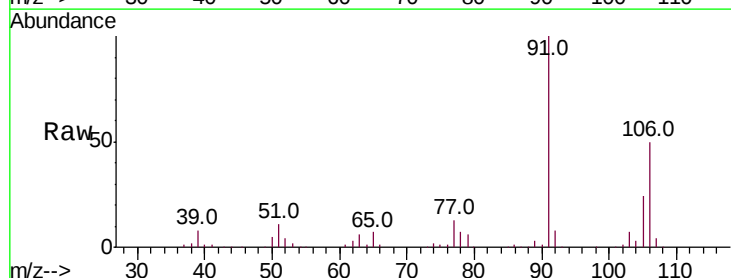
Acq: 02 Oct 2018 03:22

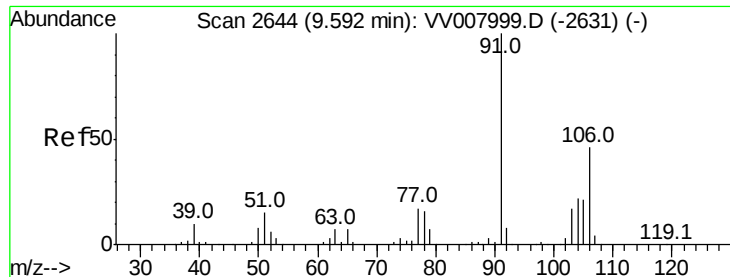
Tgt Ion: 106 Resp: 59607

Ion Ratio Lower Upper

106 100

91 201.8 139.4 258.8

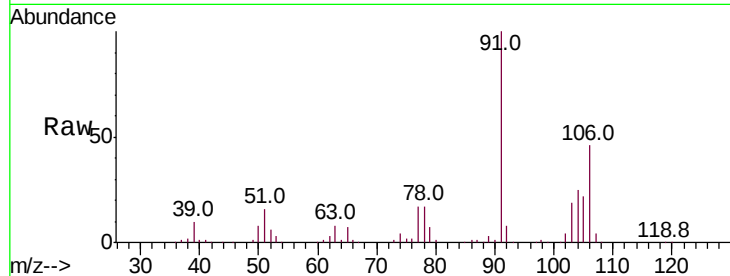




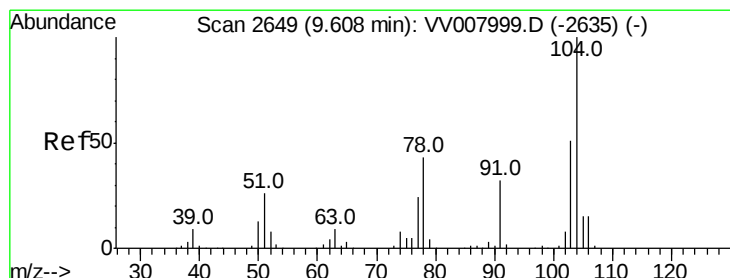
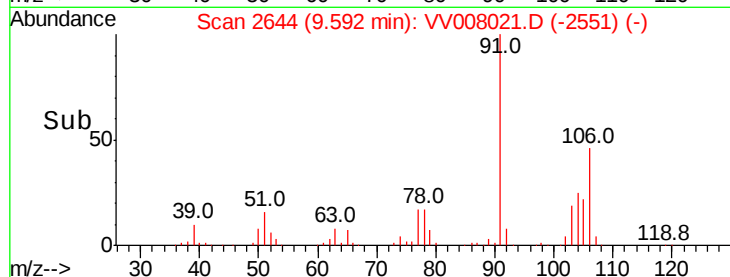
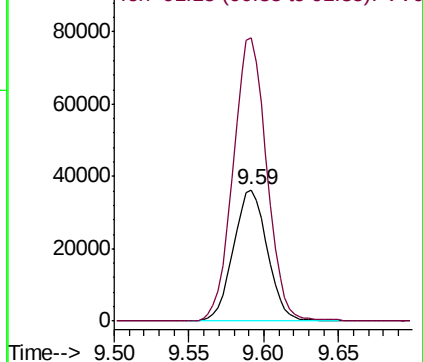
#54
o-xylene
Concen: 4.844 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 57569
Ion Ratio Lower Upper
106 100
91 215.6 150.1 278.9

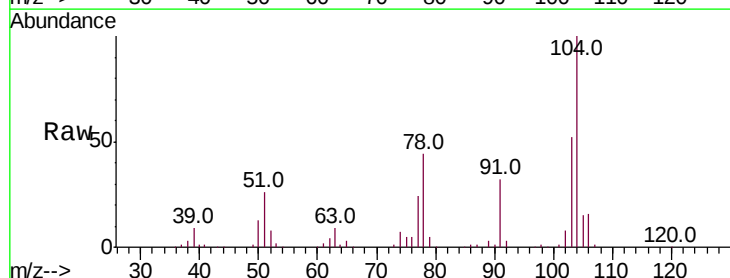


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

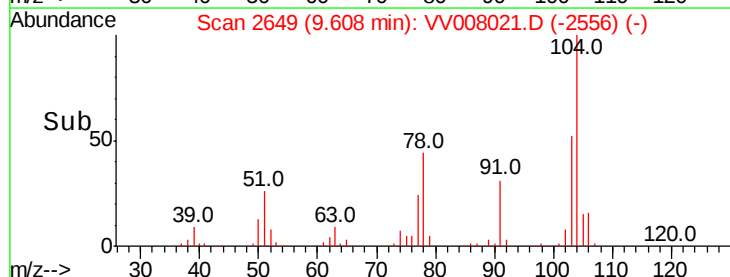
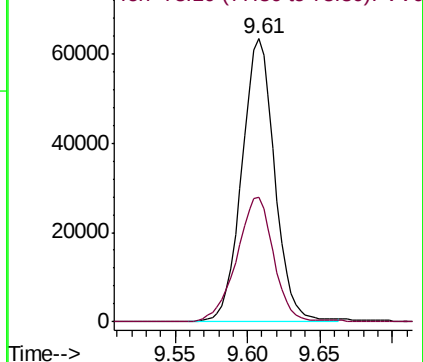


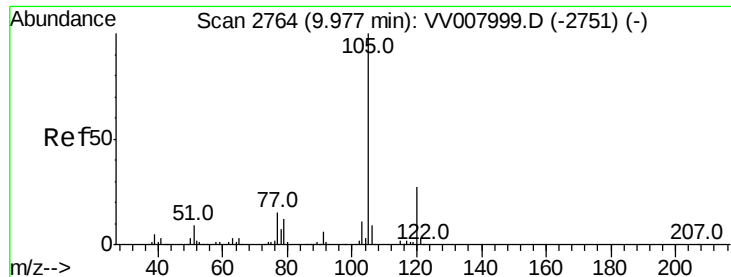
#55
Styrene
Concen: 4.919 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008021.D
Acq: 02 Oct 2018 03:22

Tgt Ion:104 Resp: 99847
Ion Ratio Lower Upper
104 100
78 43.9 30.4 56.4



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





#56

Isopropylbenzene

Concen: 4.819 ug/L

RT: 9.98 min Scan# 2764

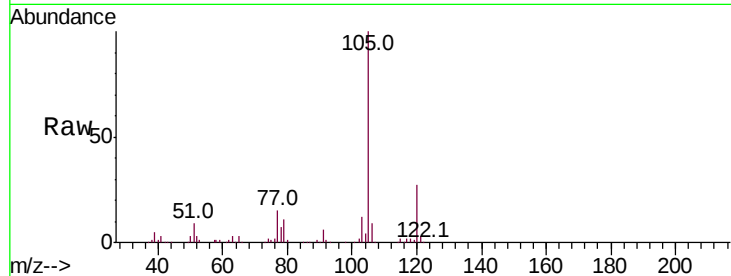
Delta R.T. -0.00 min

Lab File: VV008021.D

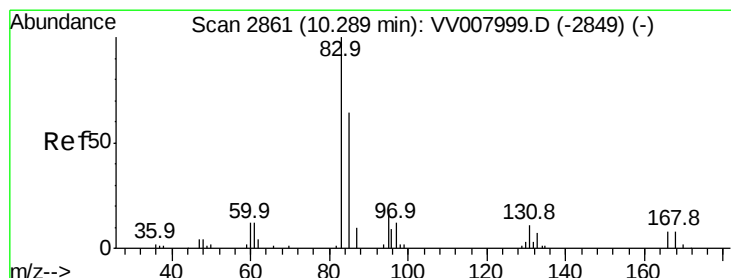
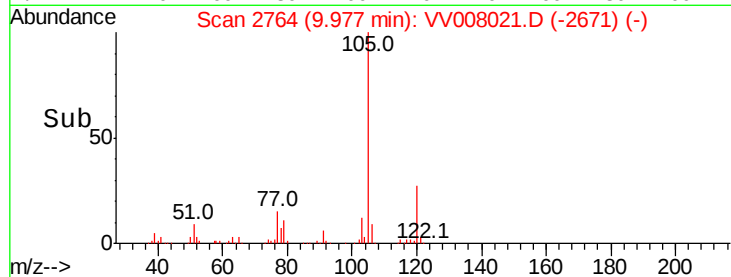
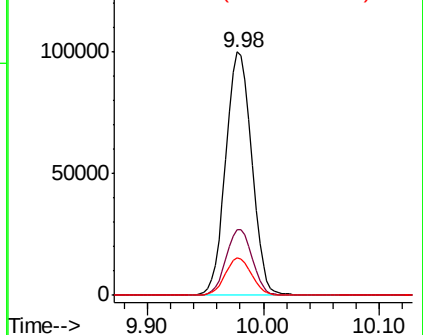
Acq: 02 Oct 2018 03:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	155122
Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.4	32.0
77	15.5	12.7	19.1



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: 4.827 ug/L

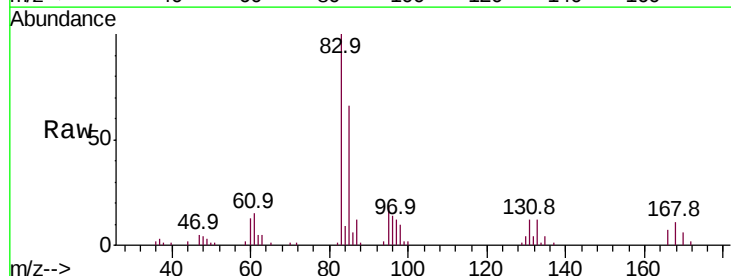
RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

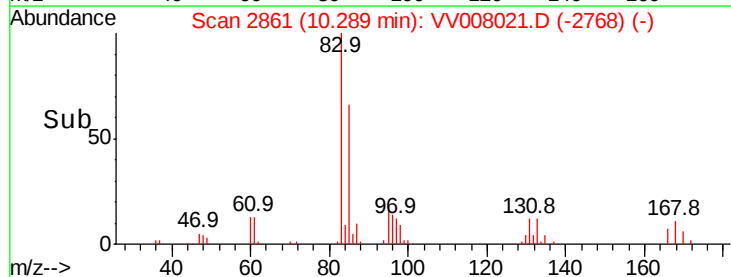
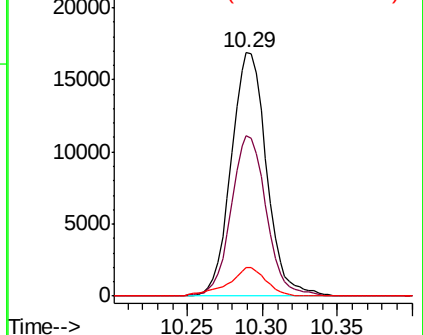
Lab File: VV008021.D

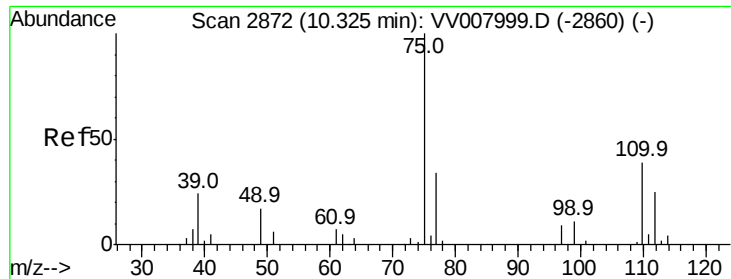
Acq: 02 Oct 2018 03:22

Tgt Ion:	83	Resp:	27801
Ion	Ratio	Lower	Upper
83	100		
85	66.0	43.7	81.1
131	11.8	9.0	13.4



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

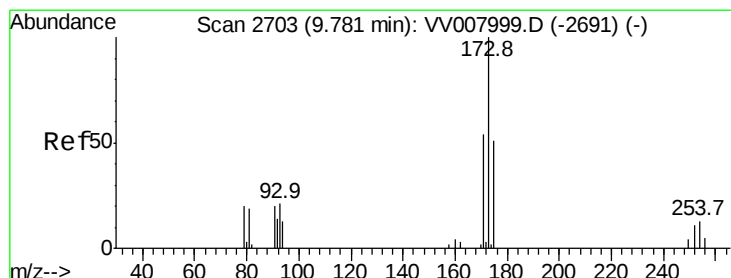
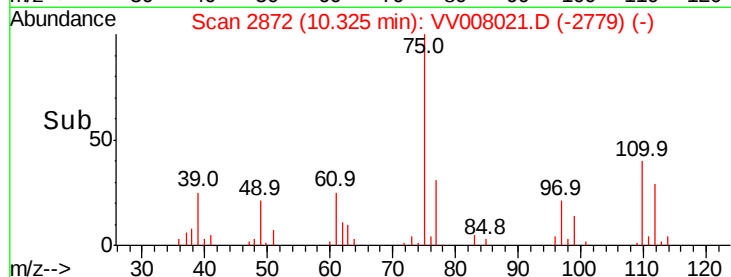
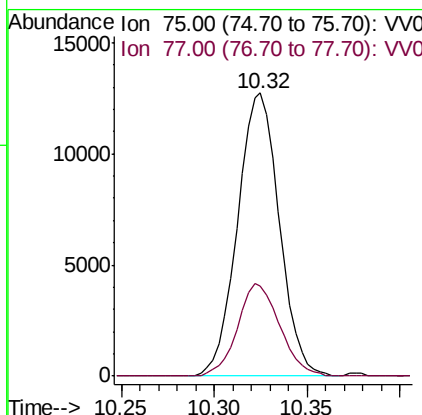
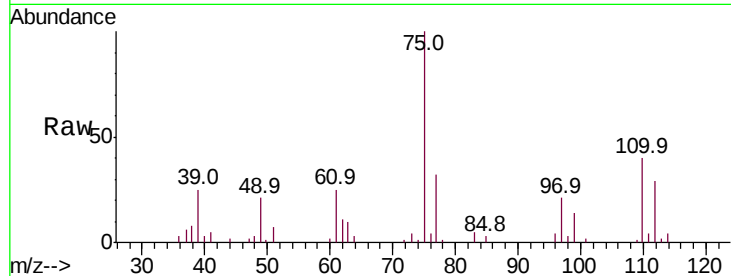




#59
 1,2,3-Trichloropropane
 Concen: 4.722 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

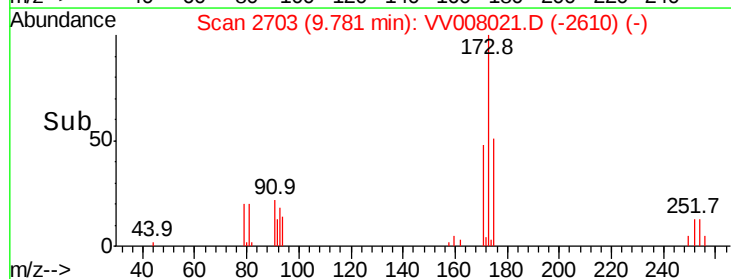
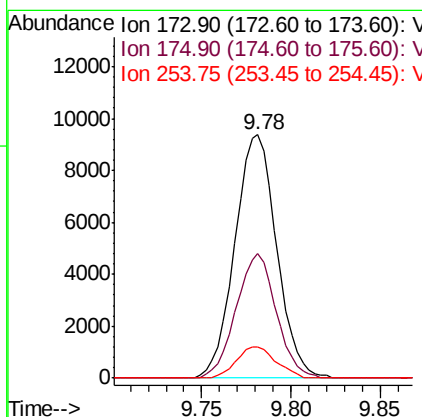
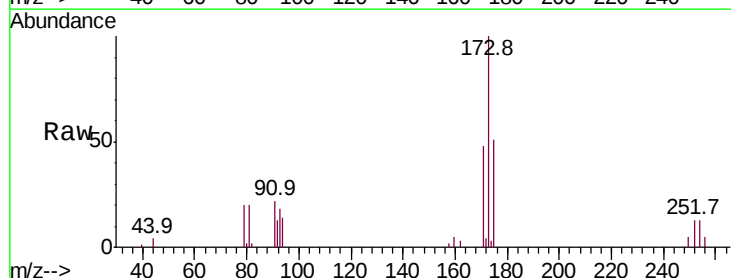
Instrument :
 MSVOA_V
 ClientSampled :

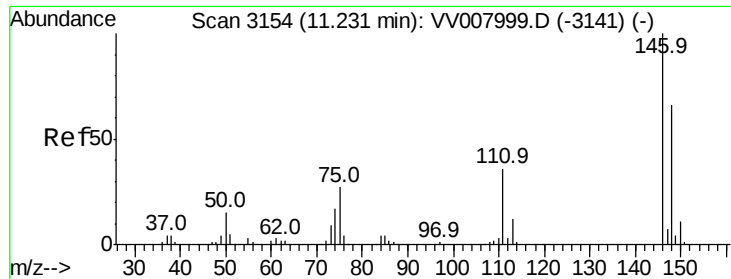
Tot Ion: 75 Resp: 19962
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.4 39.6



#61
 Bromoform
 Concen: 5.108 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion:173 Resp: 15324
 Ion Ratio Lower Upper
 173 100
 175 49.1 41.0 61.6
 254 12.2 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.781 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

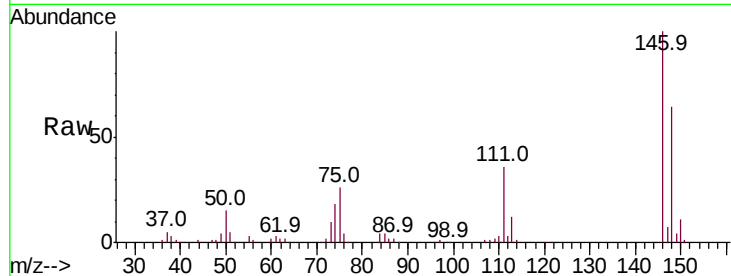
Tot Ion:146 Resp: 78854

Ion Ratio Lower Upper

146 100

111 36.2 25.8 48.0

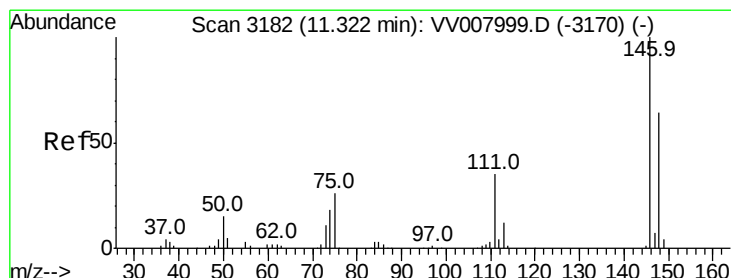
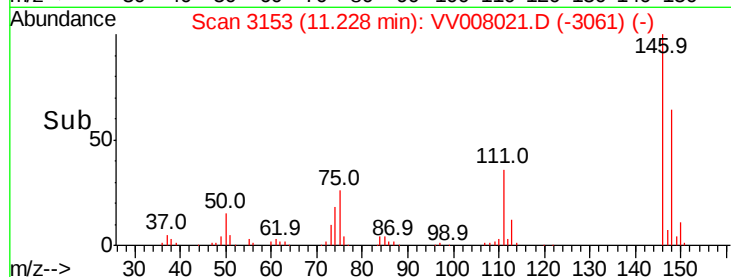
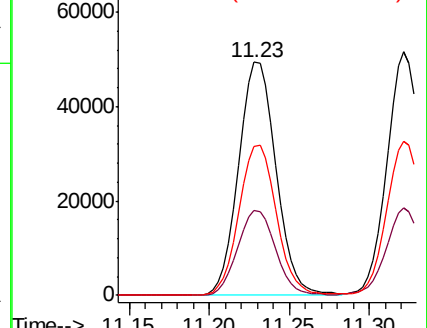
148 63.6 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 4.705 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

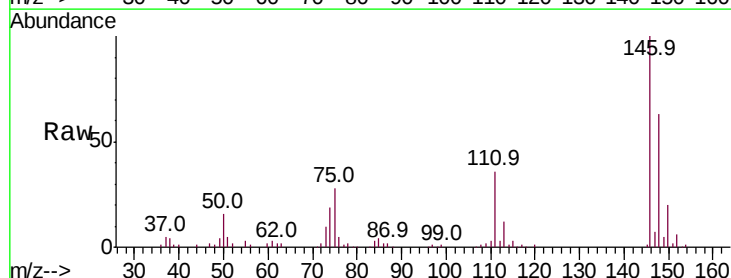
Tgt Ion:146 Resp: 80684

Ion Ratio Lower Upper

146 100

111 35.7 25.3 47.1

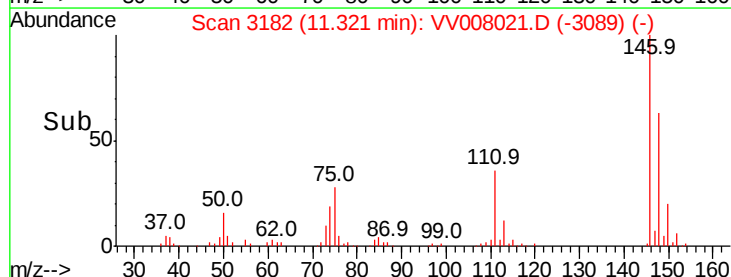
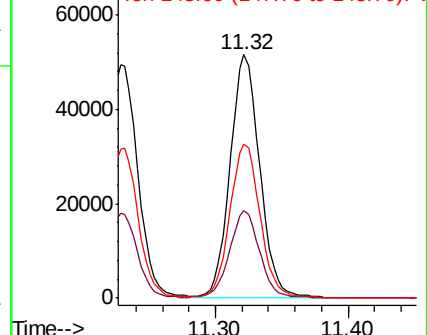
148 63.5 44.7 82.9

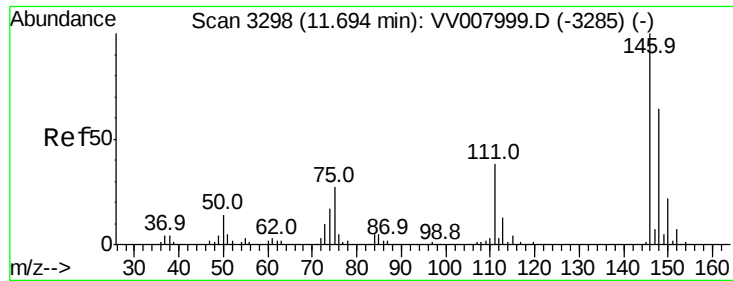


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.918 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Instrument :

MSVOA_V

ClientSampleId :

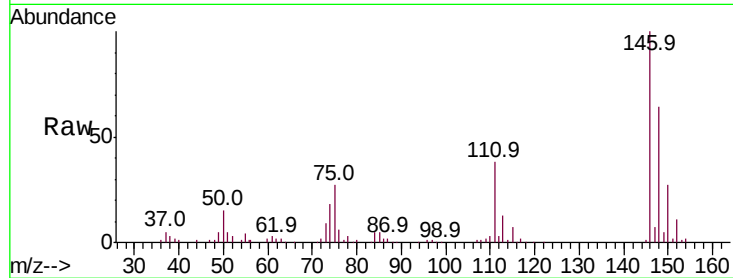
Tot Ion:146 Resp: 76466

Ion Ratio Lower Upper

146 100

111 38.3 31.2 46.8

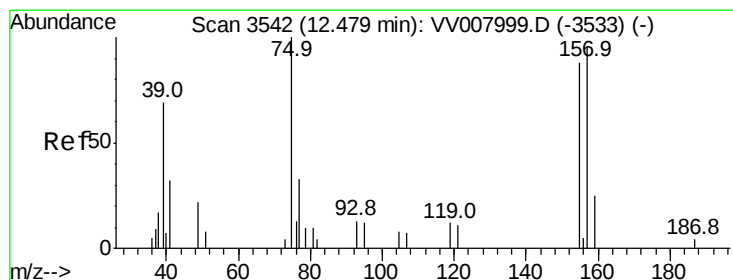
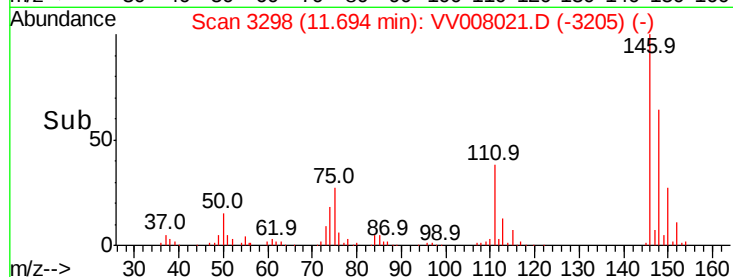
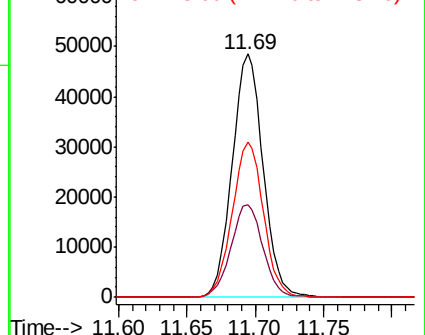
148 63.7 50.3 75.5



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: 4.977 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

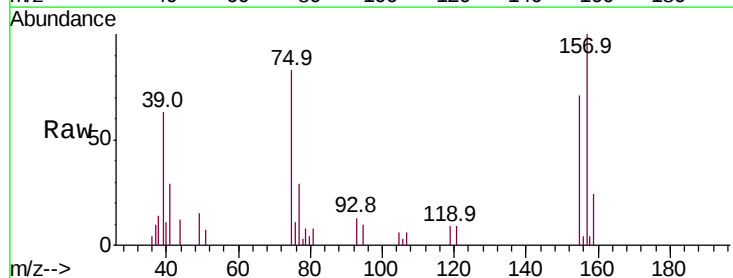
Tgt Ion: 75 Resp: 3942

Ion Ratio Lower Upper

75 100

155 84.9 83.4 125.2

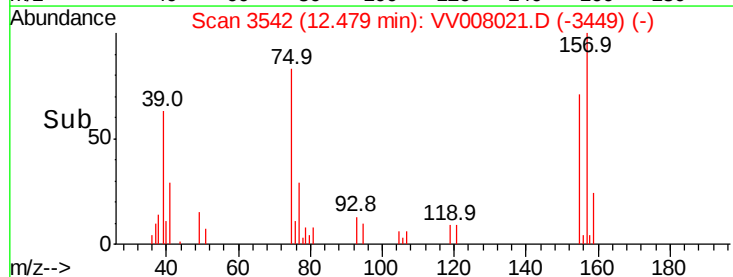
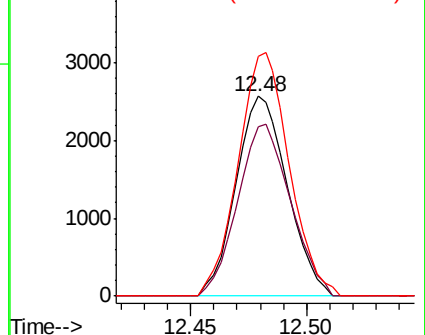
157 120.1 93.9 140.9

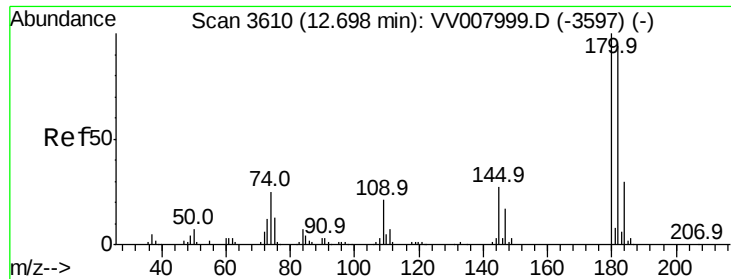


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

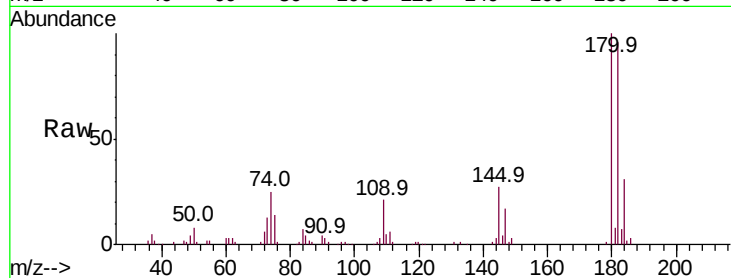




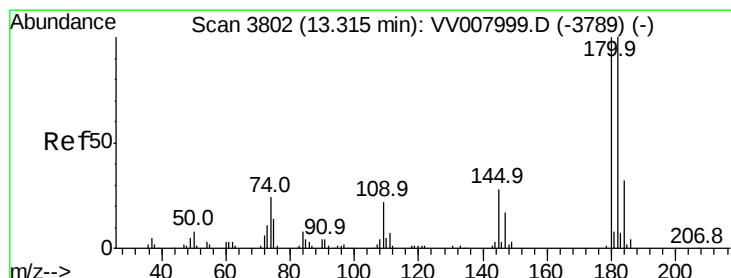
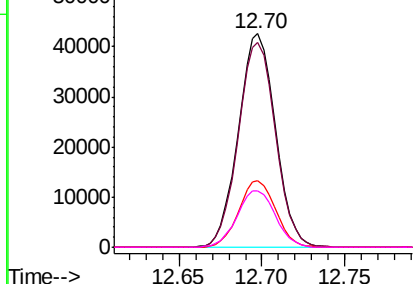
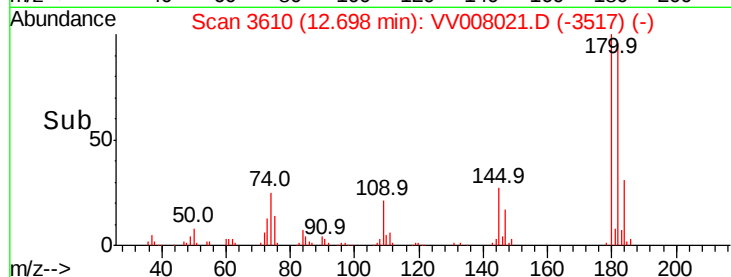
#67
 1,3,5-Trichlorobenzene
 Concen: 4.684 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 66144
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.2 114.4
 184 30.9 24.5 36.7
 145 27.2 22.2 33.4

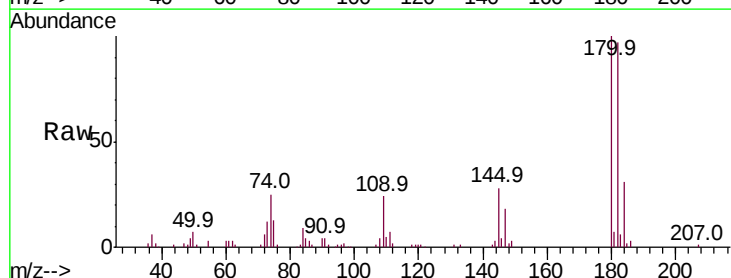


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

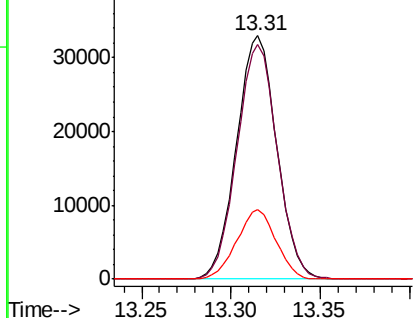
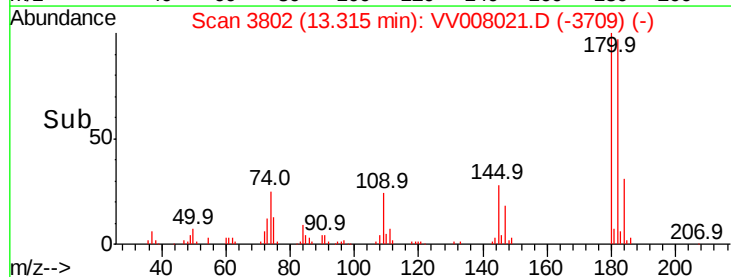


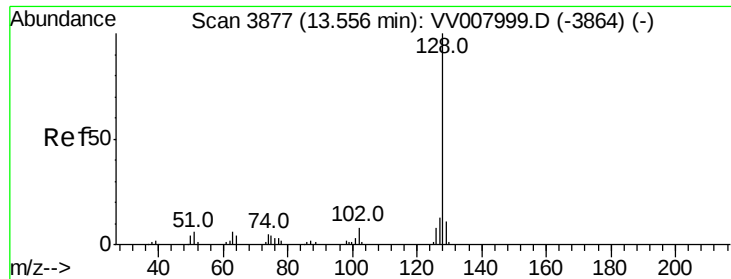
#68
 1,2,4-trichlorobenzene
 Concen: 4.355 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008021.D
 Acq: 02 Oct 2018 03:22

Tgt Ion:180 Resp: 51979
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.2
 145 27.9 22.6 33.8



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: 4.096 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

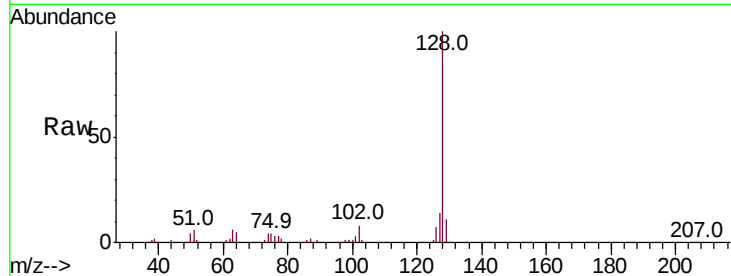
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 68377

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.3	10.3	15.5

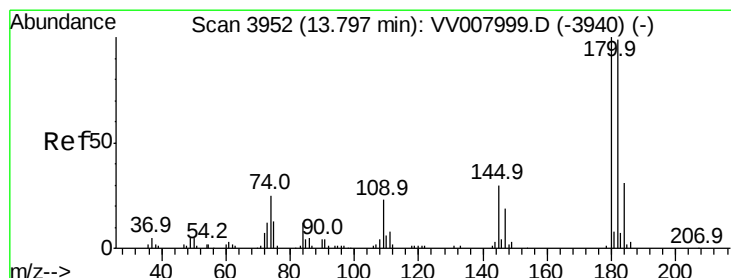
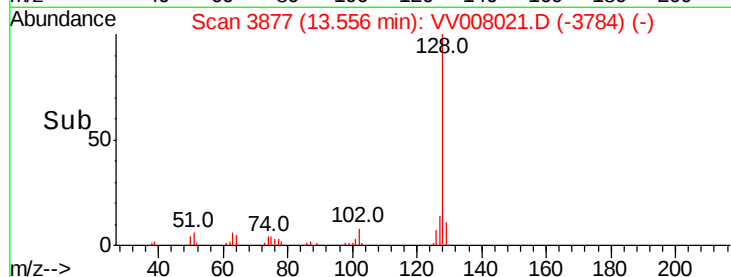
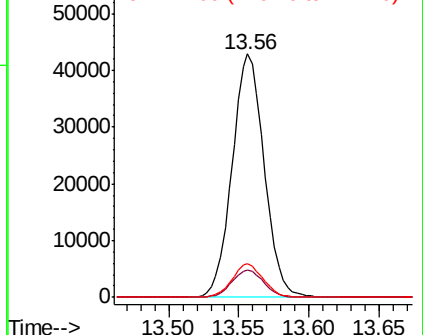


Abundance

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: 4.611 ug/L

RT: 13.80 min Scan# 3952

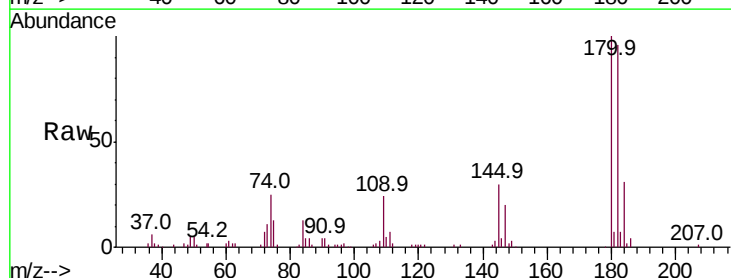
Delta R.T. -0.00 min

Lab File: VV008021.D

Acq: 02 Oct 2018 03:22

Tgt Ion:180 Resp: 49838

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.7	113.5
145	30.1	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

