

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091719\
 Data File : VV012865.D
 Acq On : 17 Sep 2019 15:49
 Operator : SY/MD
 Sample : VSTD00135
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 17:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:07:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	384108	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	374645	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	167587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37377	1.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	29604	1.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	56381	1.21	ug/L	0.00
20) 2-Butanone-d5	3.99	46	64145	13.76	ug/L	0.00
24) Chloroform-d	4.40	84	62390	1.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	29819	1.36	ug/L	0.00
32) Benzene-d6	5.10	84	116987	1.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	35820	1.29	ug/L	0.00
41) Toluene-d8	7.36	98	98394	1.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	12322	1.34	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	39005	12.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26958	1.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	34525	1.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24485	0.884 ug/L	98
3) Chloromethane	1.25	50	27445	0.981 ug/L	99
5) Vinyl chloride	1.32	62	32910	1.050 ug/L	99
6) Bromomethane	1.53	94	15882	0.993 ug/L	93
8) Chloroethane	1.60	64	17008	1.007 ug/L	100
9) Trichlorofluoromethane	1.77	101	39125	1.020 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	24046	1.060 ug/L	99
12) 1,1-Dichloroethene	2.14	96	21945	1.051 ug/L	89
13) Acetone	2.24	43	16090	5.313 ug/L	70
14) Carbon disulfide	2.31	76	43153	0.972 ug/L	98
15) Methyl Acetate	2.47	43	9073	1.005 ug/L #	69
16) Methylene chloride	2.53	84	26999	1.084 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	55803	1.006 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	24043	1.058 ug/L	96
19) 1,1-Dichloroethane	3.23	63	49130	1.043 ug/L	99
21) 2-Butanone	4.07	43	46180	8.229 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	26030	1.027 ug/L	97
23) Bromochloromethane	4.30	128	11732	1.068 ug/L	95
25) Chloroform	4.43	83	56351	1.069 ug/L	96
27) 1,2-Dichloroethane	5.18	62	27735	1.009 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	39255	1.021 ug/L	98
30) Cyclohexane	4.72	56	30883	0.954 ug/L	97
31) Carbon tetrachloride	4.87	117	33193	1.021 ug/L	96
33) Benzene	5.14	78	97562	1.031 ug/L	100
34) Trichloroethene	5.96	95	25573	0.963 ug/L	95
35) Methylcyclohexane	6.17	83	29049	0.878 ug/L	93
37) 1,2-Dichloropropane	6.22	63	26166	1.021 ug/L #	96
38) Bromodichloromethane	6.56	83	33882	1.023 ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	31213	0.975 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	136853	9.301 ug/L	98

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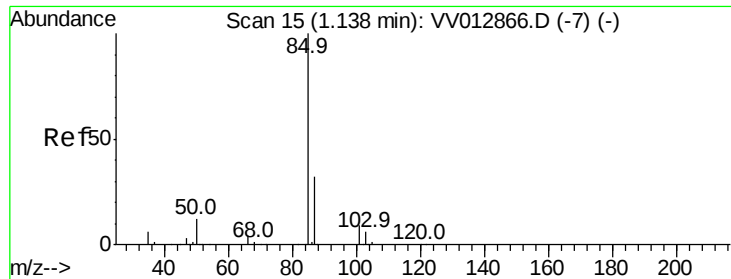
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 17:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	96328	0.994	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	25218	0.989	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	19334	1.053	ug/L	95
47) Tetrachloroethene	8.02	164	19340	0.979	ug/L	98
48) 2-Hexanone	8.19	43	100513	9.041	ug/L	96
49) Dibromochloromethane	8.29	129	21359	1.021	ug/L	99
50) 1,2-Dibromoethane	8.40	107	16543	1.080	ug/L	93
51) Chlorobenzene	8.92	112	68832	1.031	ug/L	98
52) Ethylbenzene	9.05	91	97405	0.942	ug/L	100
53) m,p-xylene	9.18	106	35132	0.915	ug/L	96
54) o-xylene	9.59	106	34911	0.935	ug/L	98
55) Styrene	9.60	104	55045	0.868	ug/L	98
56) Isopropylbenzene	9.97	105	90796	0.905	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	23456	1.271	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	16518	1.069	ug/L	99
61) Bromoform	9.77	173	11309	1.059	ug/L	93
62) 1,3-Dichlorobenzene	11.23	146	49795	1.038	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	50377	1.012	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	49177	1.052	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	3609	1.486	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	38530	1.036	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	29396	1.044	ug/L	98
69) Naphthalene	13.55	128	38045	0.931	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	28896	1.052	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.884 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

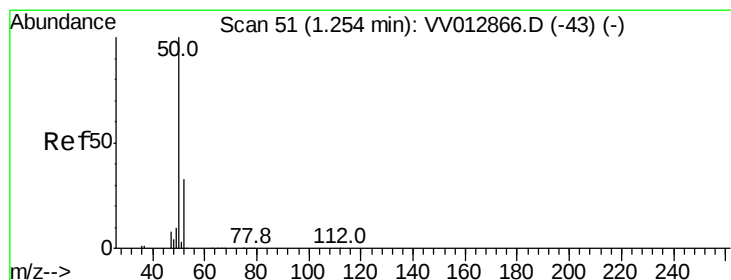
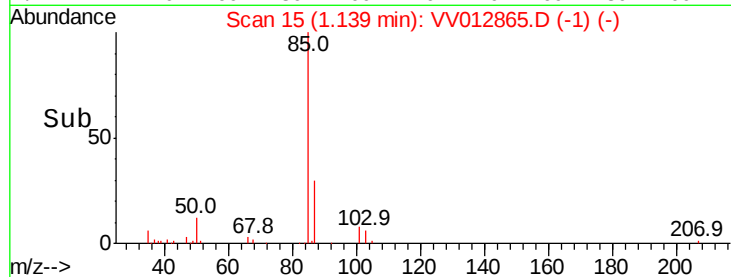
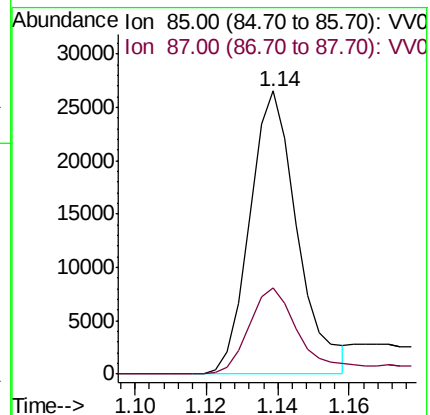
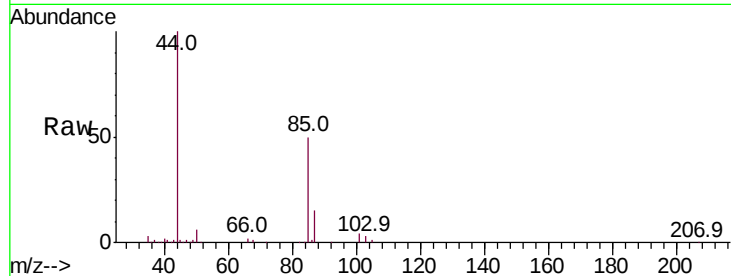
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 24485

Ion Ratio Lower Upper

85 100

87 32.7 25.4 38.2



#3

Chloromethane

Concen: 0.981 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012865.D

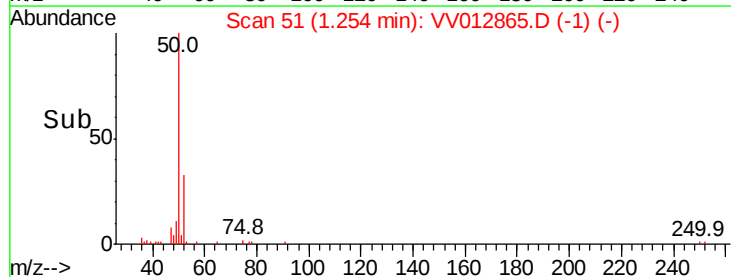
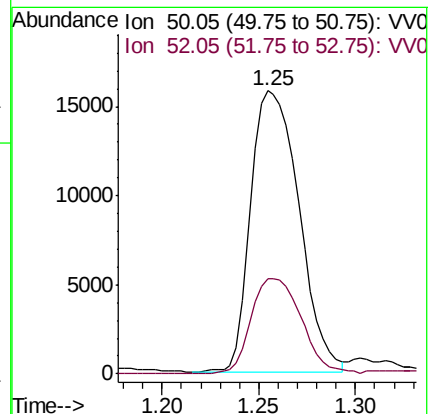
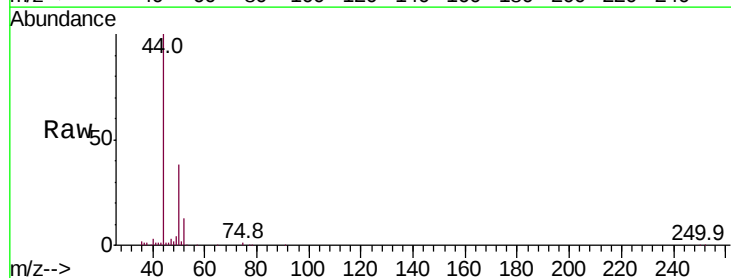
Acq: 17 Sep 2019 15:49

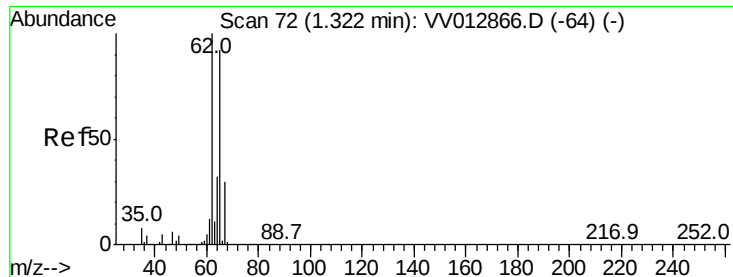
Tgt Ion: 50 Resp: 27445

Ion Ratio Lower Upper

50 100

52 33.4 22.8 42.4





#5

Vinyl chloride

Concen: 1.050 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

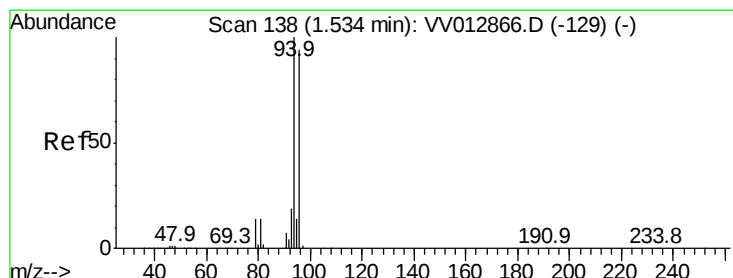
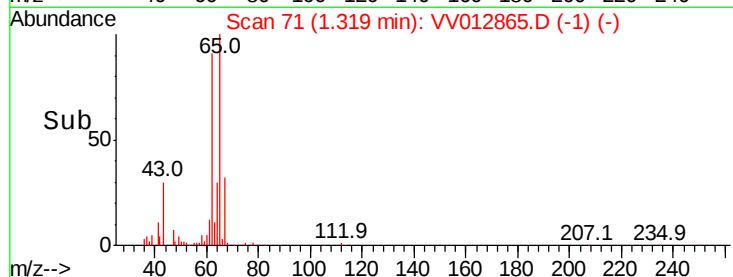
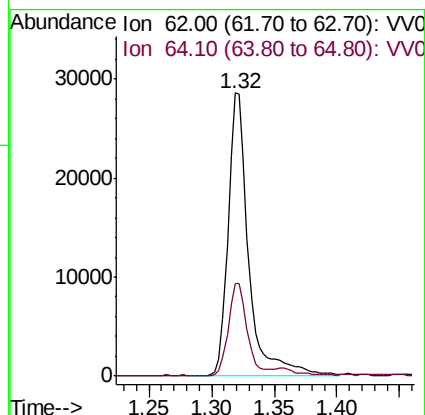
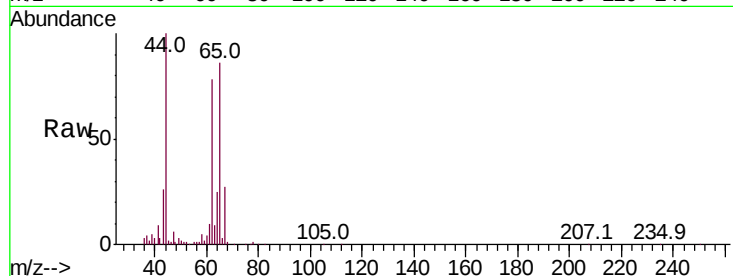
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 32910

Ion Ratio Lower Upper

62 100

64 32.6 22.5 41.7



#6

Bromomethane

Concen: 0.993 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012865.D

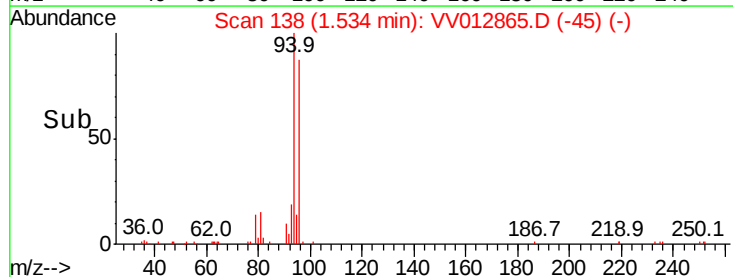
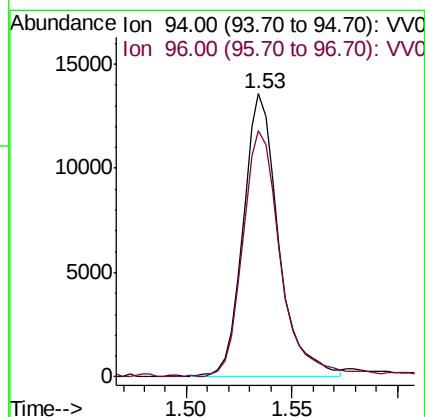
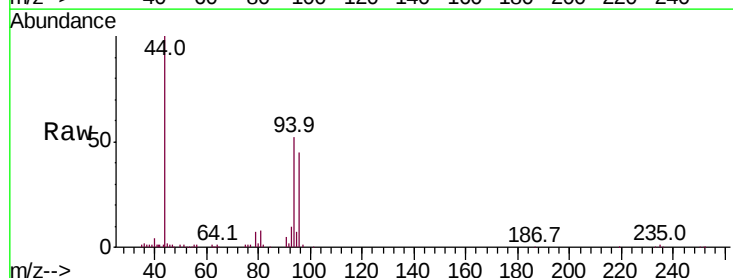
Acq: 17 Sep 2019 15:49

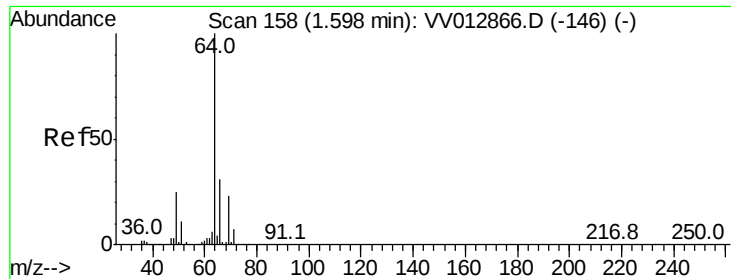
Tgt Ion: 94 Resp: 15882

Ion Ratio Lower Upper

94 100

96 86.9 65.6 121.8





#8

Chloroethane

Concen: 1.007 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

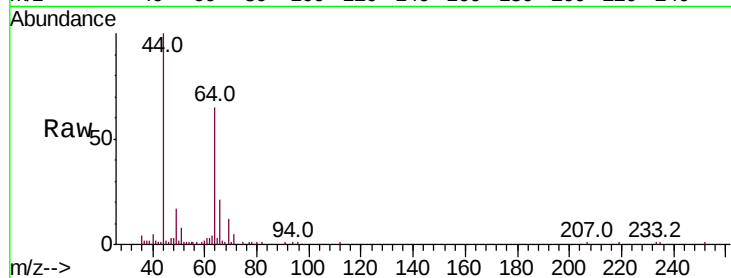
ClientSampleId :

Tot Ion: 64 Resp: 17008

Ion Ratio Lower Upper

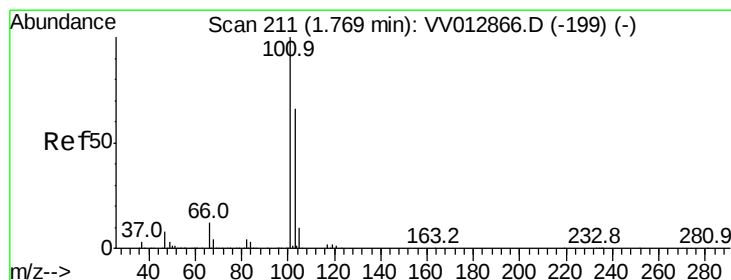
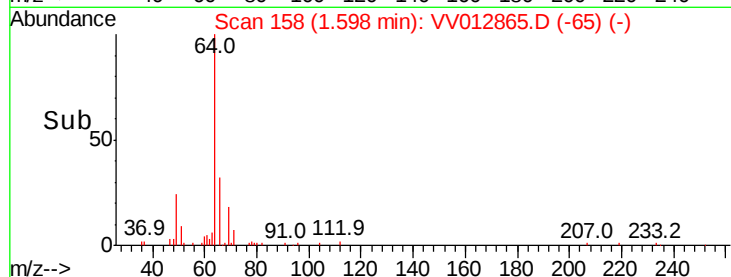
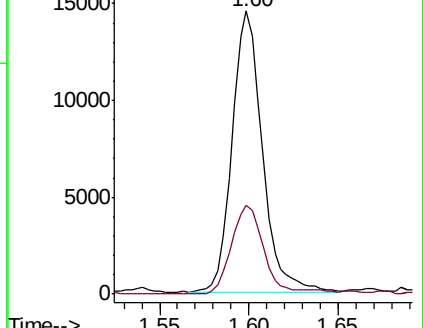
64 100

66 31.6 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VV012866.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV012866.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 1.020 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012865.D

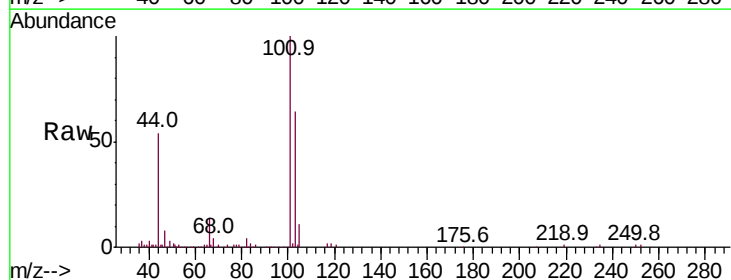
Acq: 17 Sep 2019 15:49

Tgt Ion: 101 Resp: 39125

Ion Ratio Lower Upper

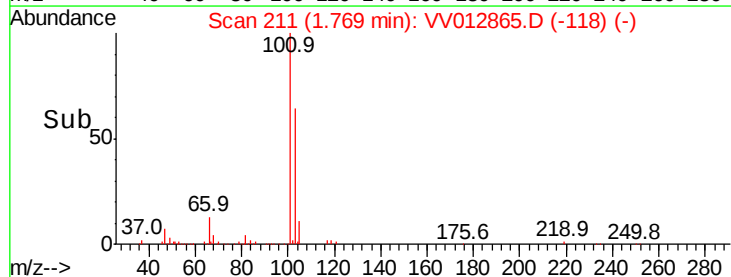
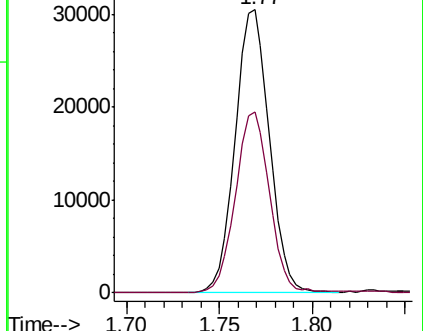
101 100

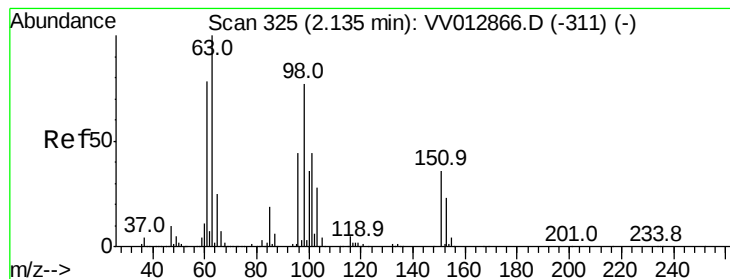
103 64.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV012866.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012866.D (-199) (-)





#10

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

Concen: 1.060 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

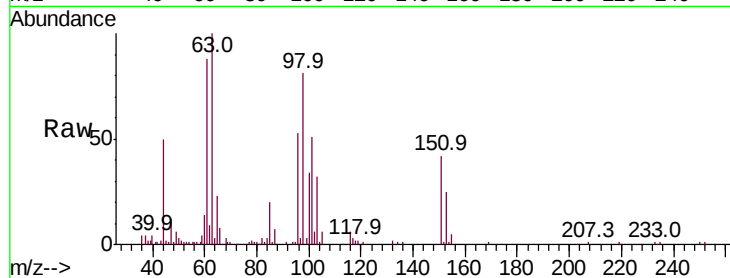
Tot Ion:101 Resp: 24046

Ion Ratio Lower Upper

101 100

85 41.1 33.5 50.3

151 81.3 64.0 96.0

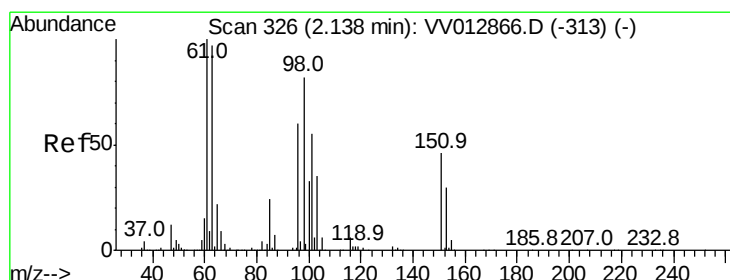
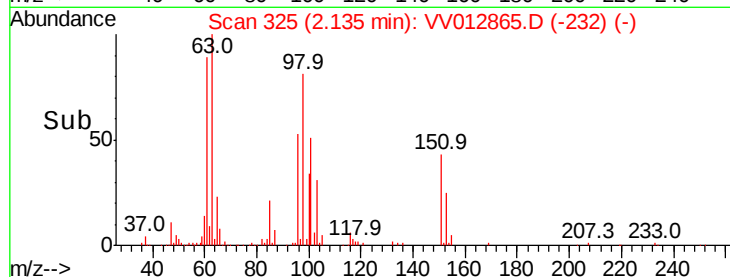
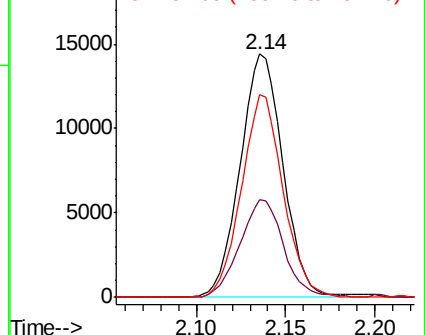


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.051 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

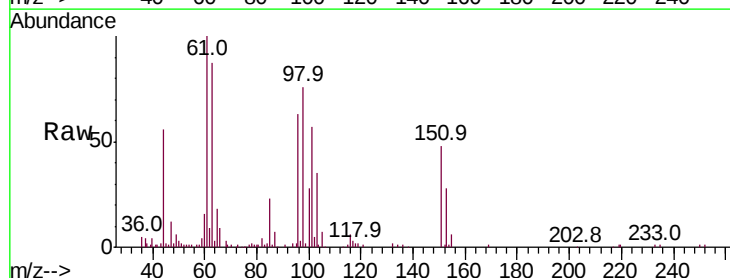
Tgt Ion: 96 Resp: 21945

Ion Ratio Lower Upper

96 100

61 159.6 116.1 215.5

63 139.5 113.3 210.3

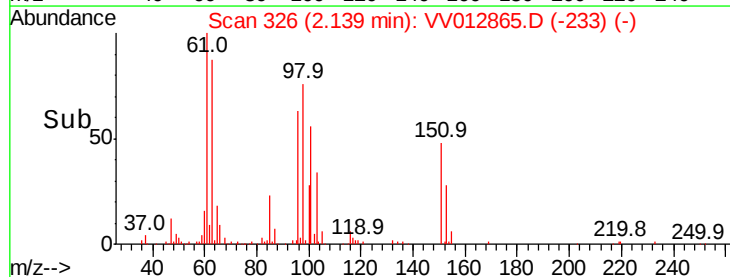
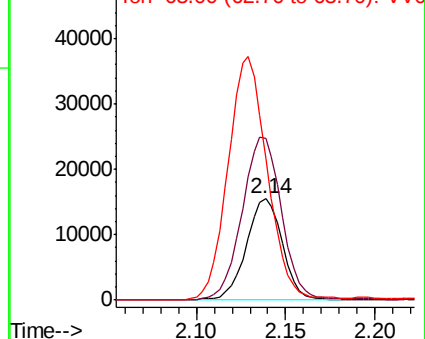


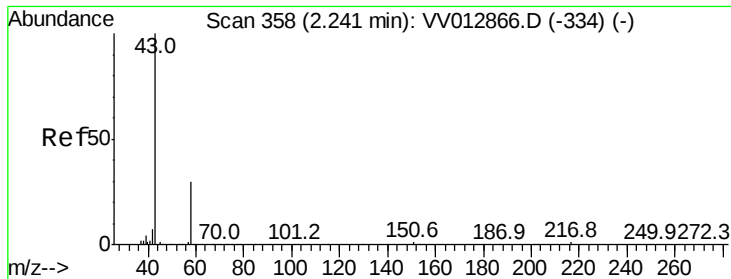
Abundance

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

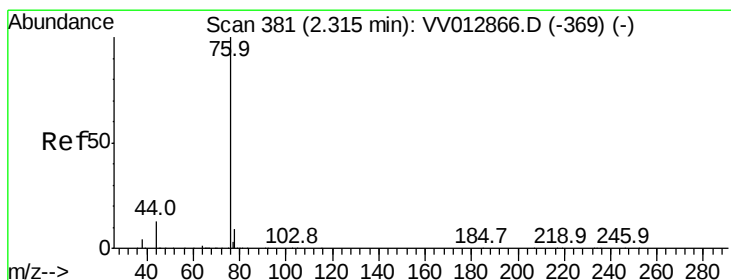
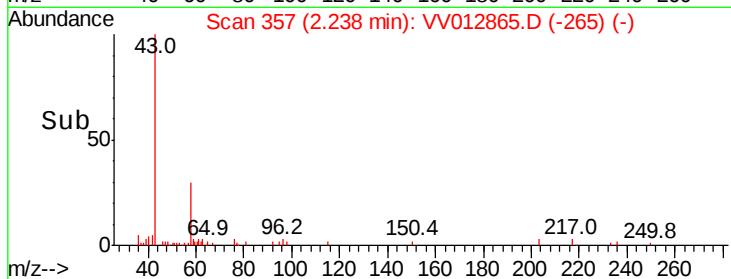
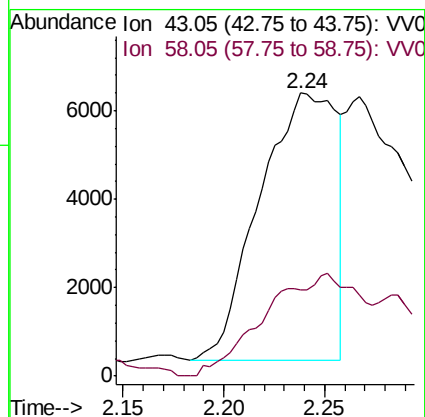
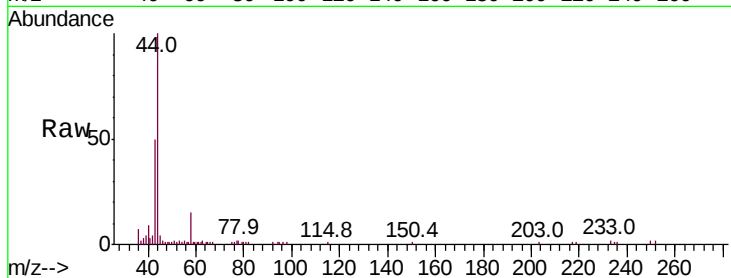




#13
Acetone
Concen: 5.313 ug/L
RT: 2.24 min Scan# 357
Delta R.T. -0.00 min
Lab File: VV012865.D
Acq: 17 Sep 2019 15:49

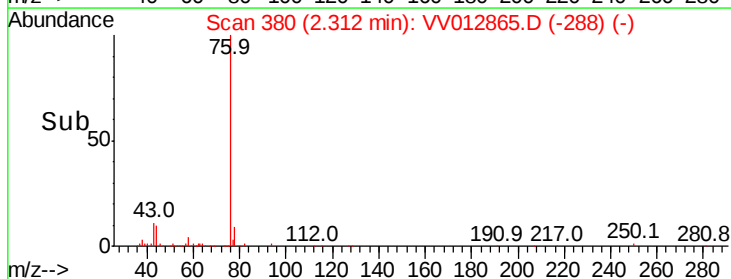
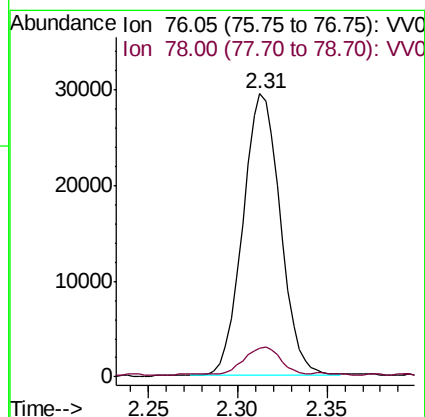
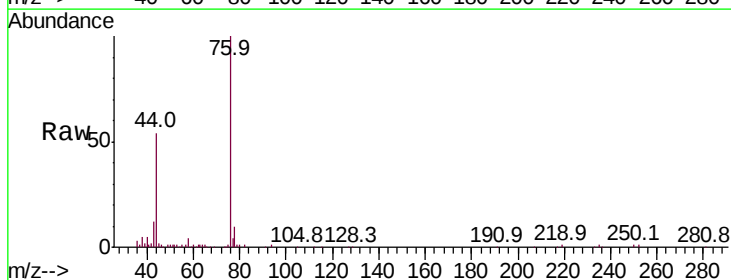
Instrument :
MSVOA_V
ClientSampleId :

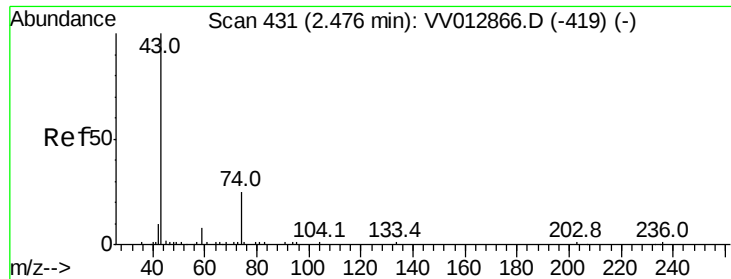
Tot Ion: 43 Resp: 16090
Ion Ratio Lower Upper
43 100
58 23.8 0.0 24.4



#14
Carbon disulfide
Concen: 0.972 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.00 min
Lab File: VV012865.D
Acq: 17 Sep 2019 15:49

Tgt Ion: 76 Resp: 43153
Ion Ratio Lower Upper
76 100
78 10.1 7.6 11.4





#15

Methyl Acetate

Concen: 1.005 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

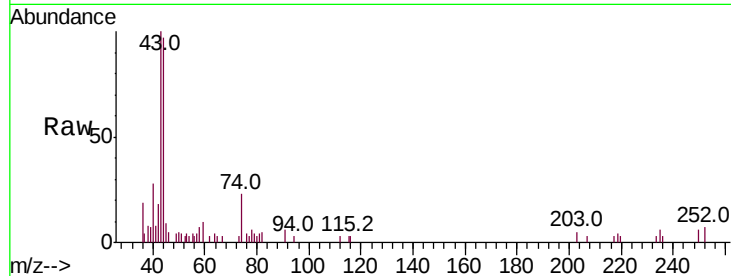
ClientSampled :

Tot Ion: 43 Resp: 9073

Ion Ratio Lower Upper

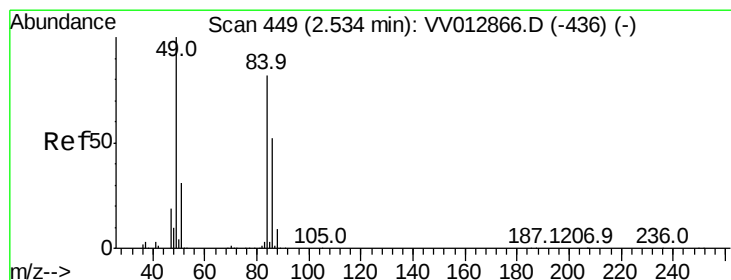
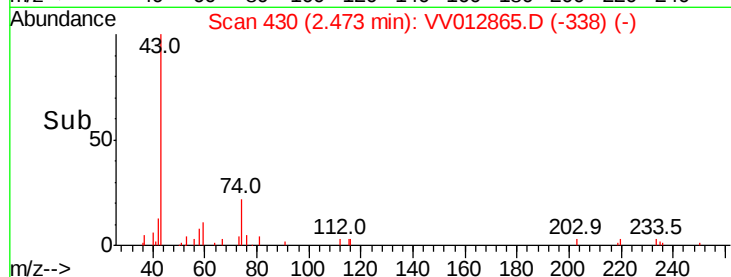
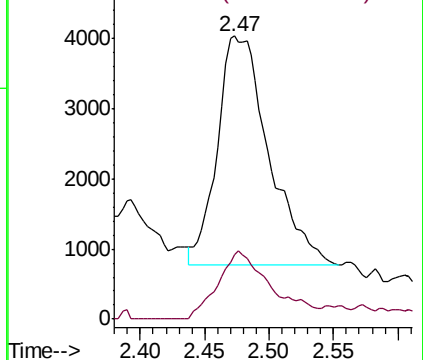
43 100

74 31.0 14.1 21.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.084 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

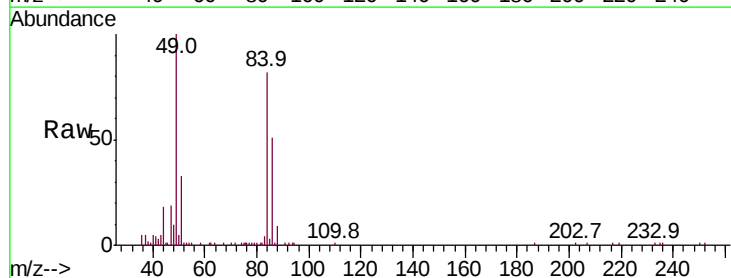
Tgt Ion: 84 Resp: 26999

Ion Ratio Lower Upper

84 100

86 62.6 44.8 83.2

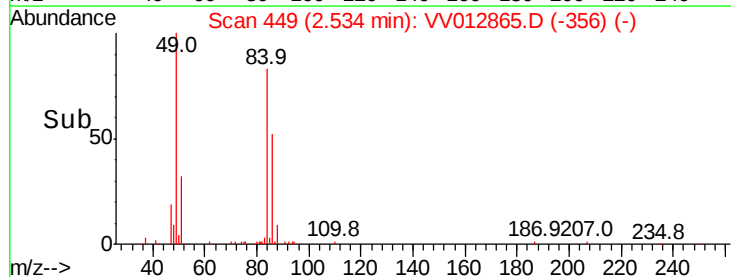
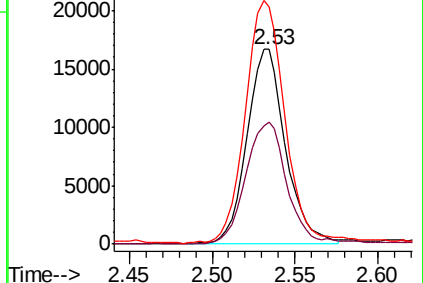
49 122.0 85.9 159.5

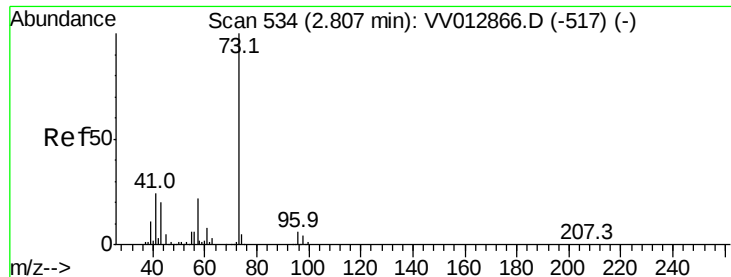


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



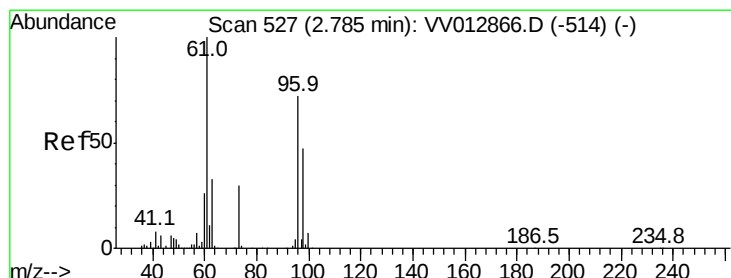
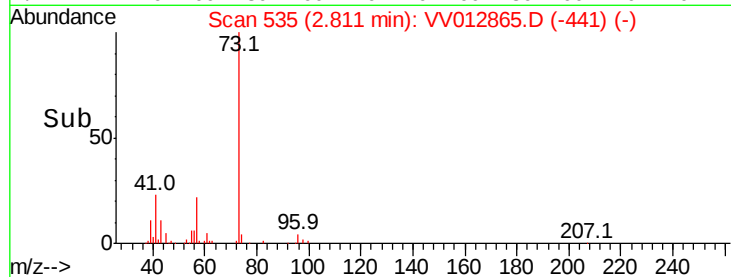
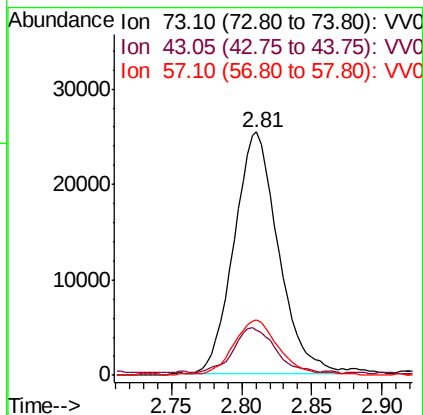
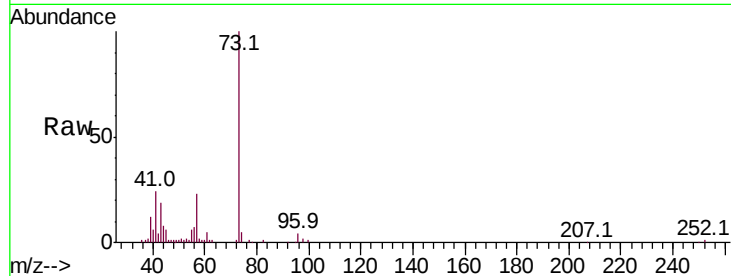


#17

Methvl tert-butvl Ether
 Concen: 1.006 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Instrument :
 MSVOA_V
 ClientSampleId :

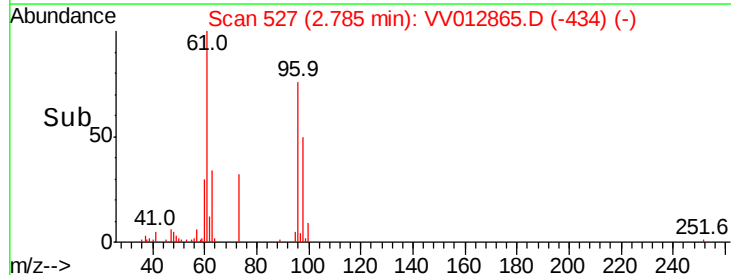
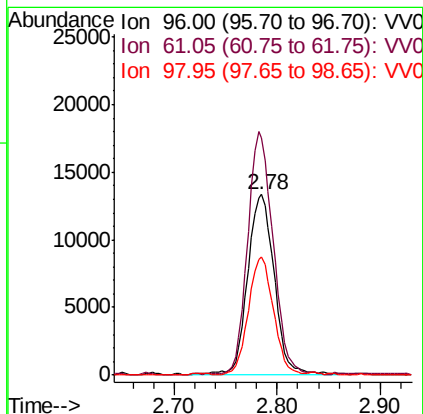
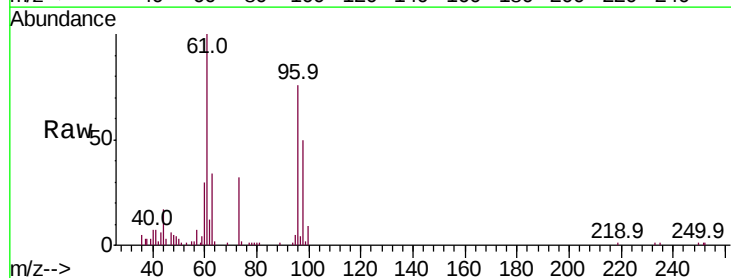
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.7	15.0	22.4
57	23.7	17.9	26.9

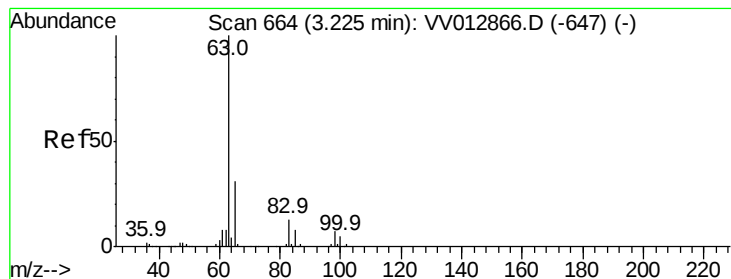


#18

trans-1,2-Dichloroethene
 Concen: 1.058 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.8	96.8	179.8
98	65.4	45.2	84.0





#19

1,1-Dichloroethane

Concen: 1.043 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

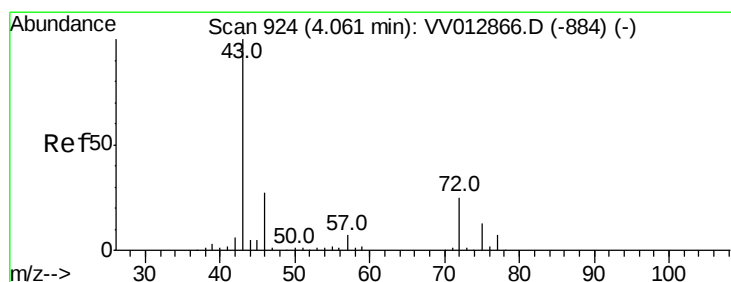
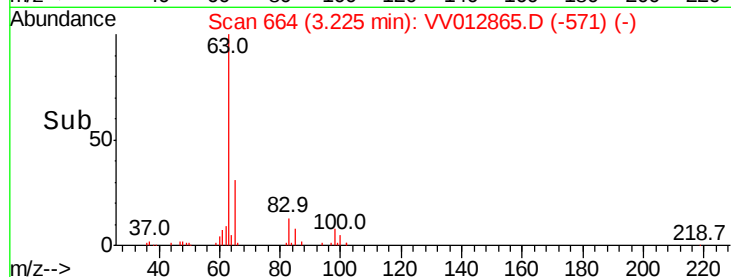
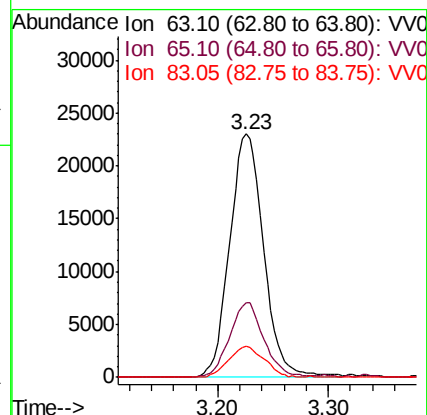
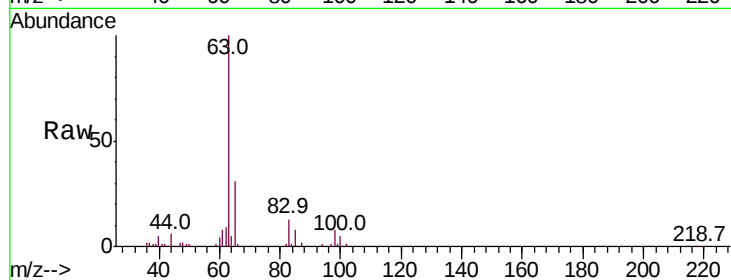
Tot Ion: 63 Resp: 49130

Ion Ratio Lower Upper

63 100

65 30.7 22.0 41.0

83 12.6 9.2 17.0



#21

2-Butanone

Concen: 8.229 ug/L

RT: 4.07 min Scan# 926

Delta R.T. 0.01 min

Lab File: VV012865.D

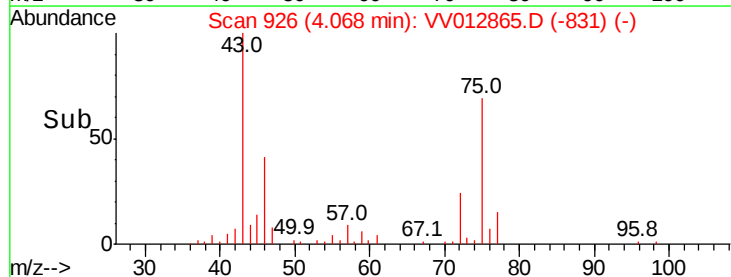
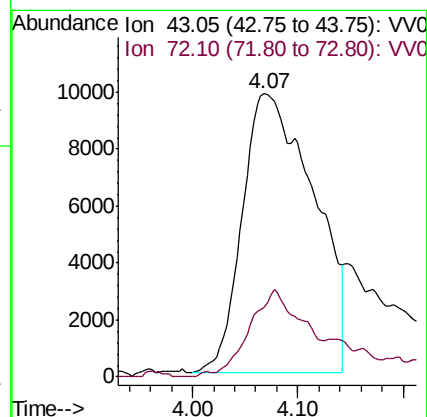
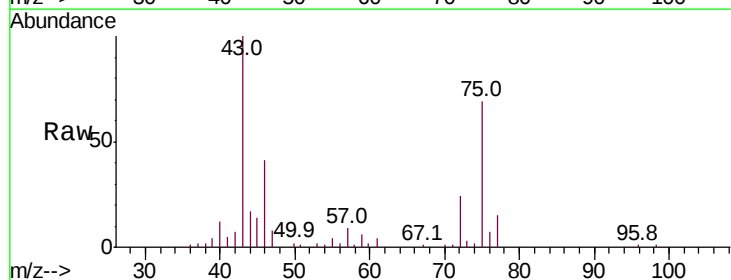
Acq: 17 Sep 2019 15:49

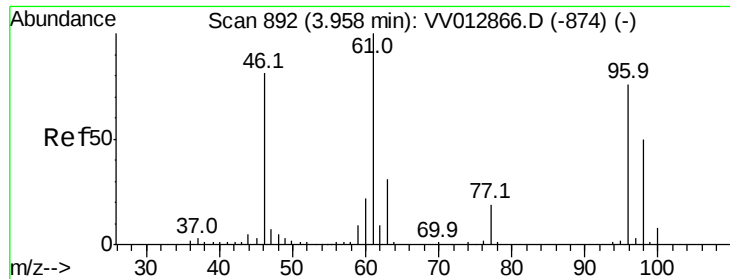
Tgt Ion: 43 Resp: 46180

Ion Ratio Lower Upper

43 100

72 21.1 10.4 31.2

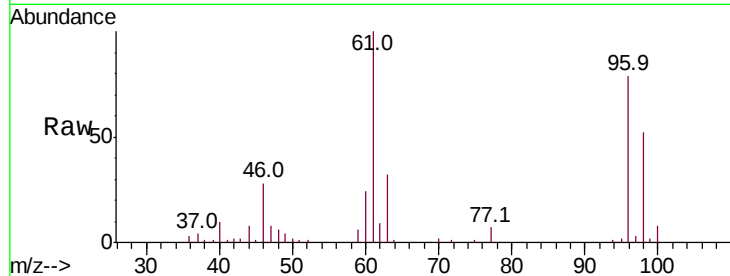




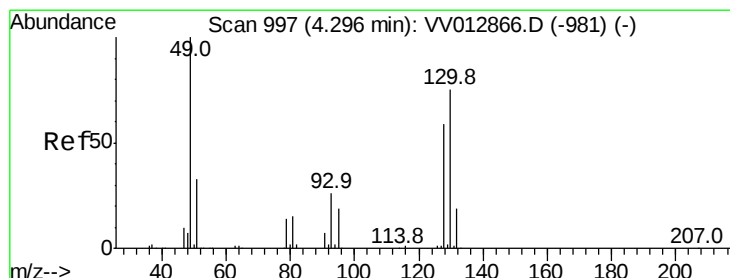
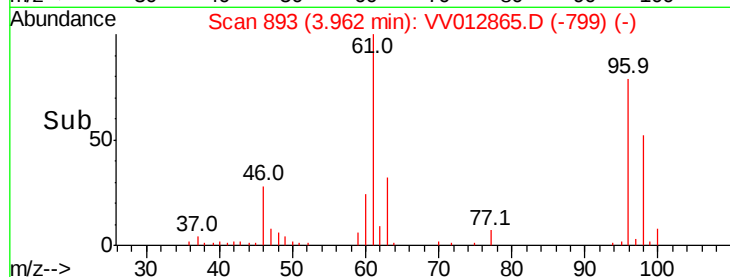
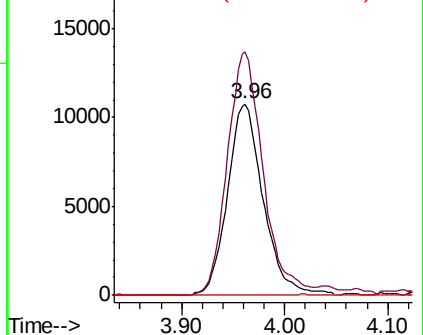
#22
 cis-1,2-Dichloroethene
 Concen: 1.027 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 26030
 Ion Ratio Lower Upper
 96 100
 61 127.1 91.8 170.6
 68 0.0 0.0 0.0

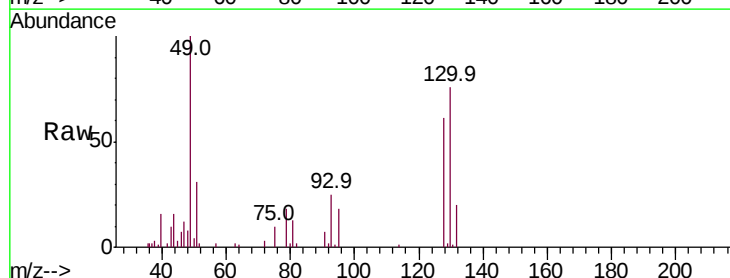


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

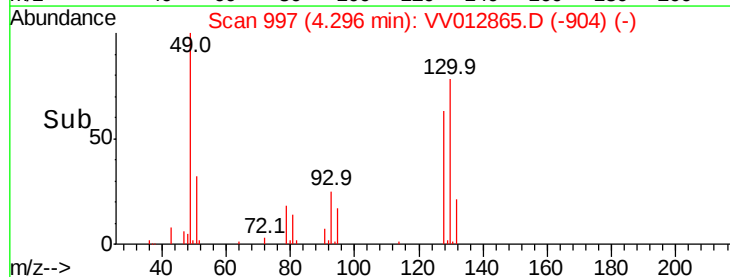
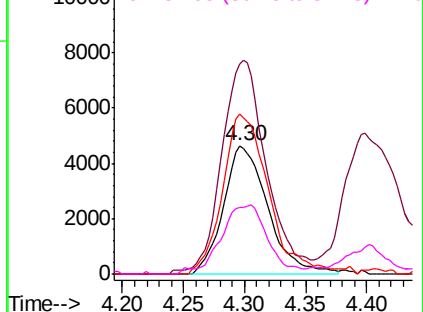


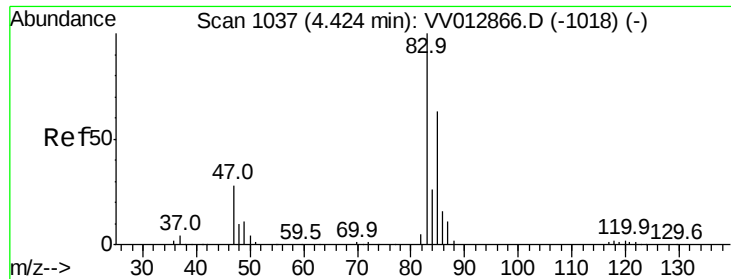
#23
 Bromochloromethane
 Concen: 1.068 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion: 128 Resp: 11732
 Ion Ratio Lower Upper
 128 100
 49 163.6 119.6 222.0
 130 125.0 89.8 166.8
 51 51.4 45.8 68.6



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: 1.069 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

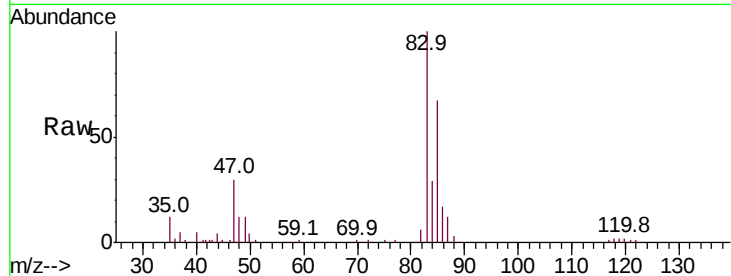
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 56351

Ion Ratio Lower Upper

83 100

85 66.6 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012866.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV012866.D (-1018) (-)

4.43

25000

20000

15000

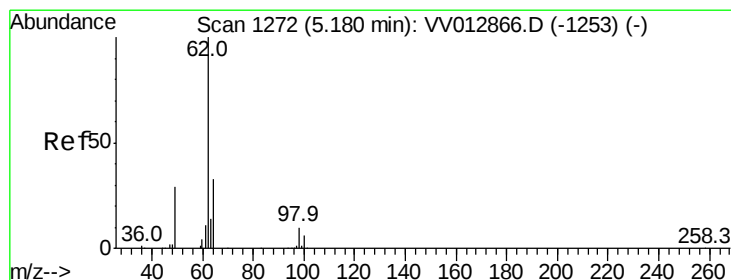
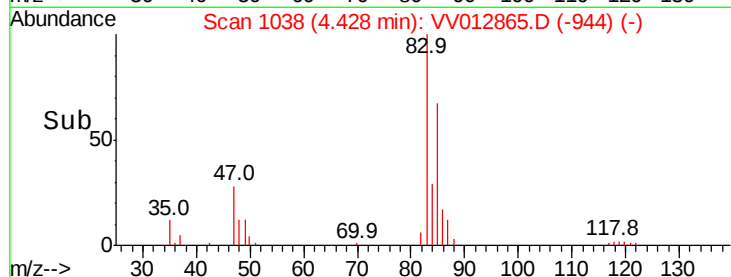
10000

5000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 1.009 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV012865.D

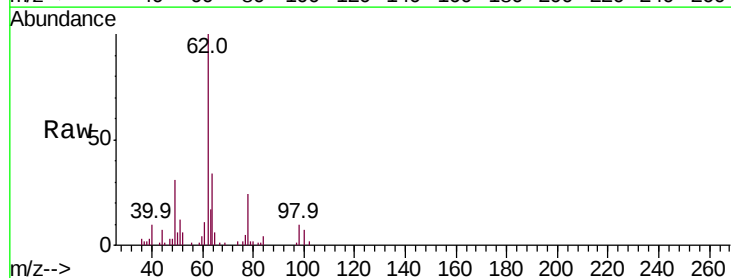
Acq: 17 Sep 2019 15:49

Tgt Ion: 62 Resp: 27735

Ion Ratio Lower Upper

62 100

98 10.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VV012866.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV012866.D (-1253) (-)

5.18

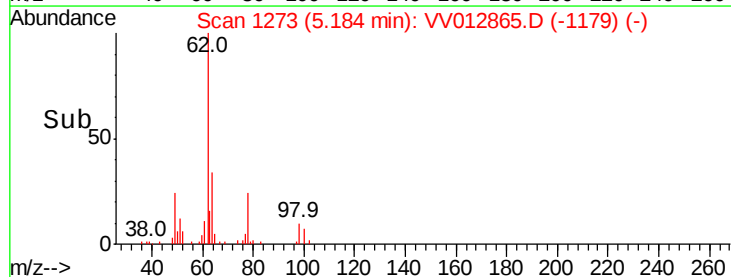
10000

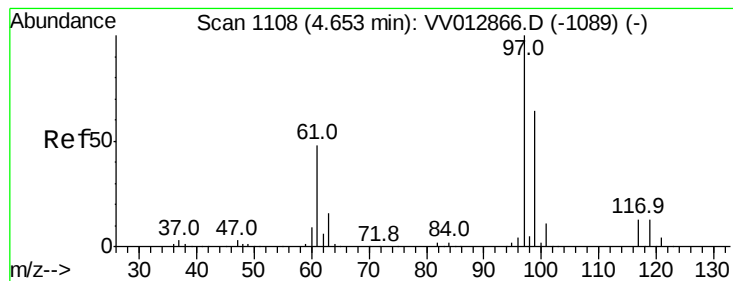
5000

0

5.10 5.20 5.30

Time-->





#29

1,1,1-Trichloroethane

Concen: 1.021 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :
MSVOA_V
ClientSampled :

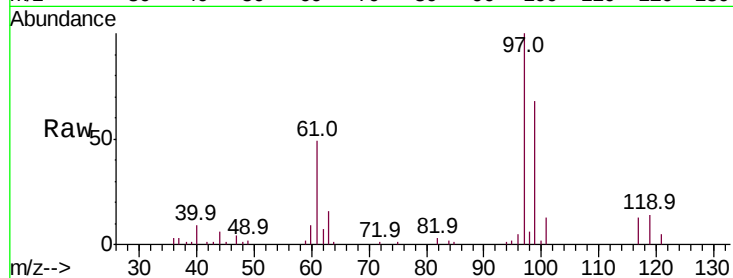
Tot Ion: 97 Resp: 39255

Ion Ratio Lower Upper

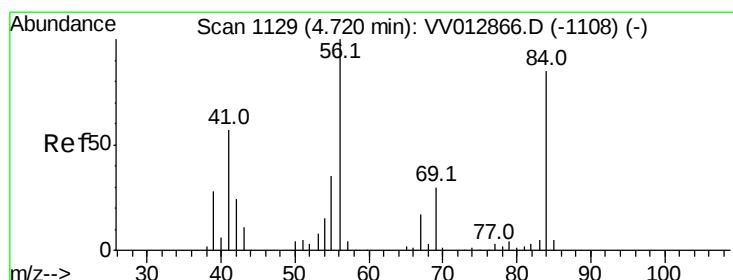
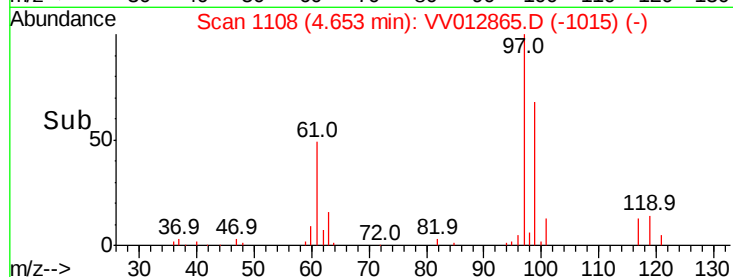
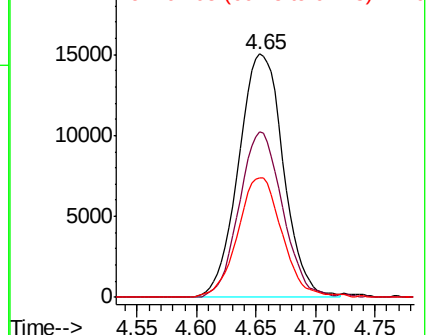
97 100

99 65.7 50.9 76.3

61 48.3 38.2 57.2



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



#30

Cyclohexane

Concen: 0.954 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

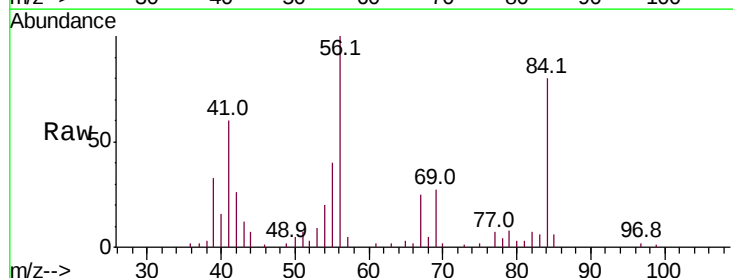
Tgt Ion: 56 Resp: 30883

Ion Ratio Lower Upper

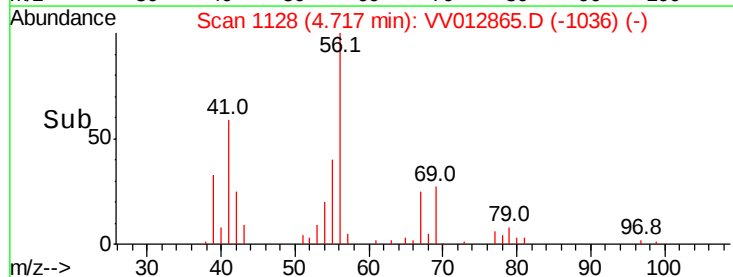
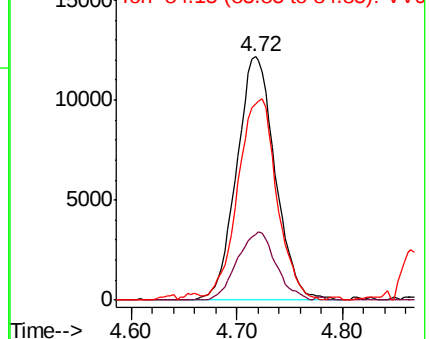
56 100

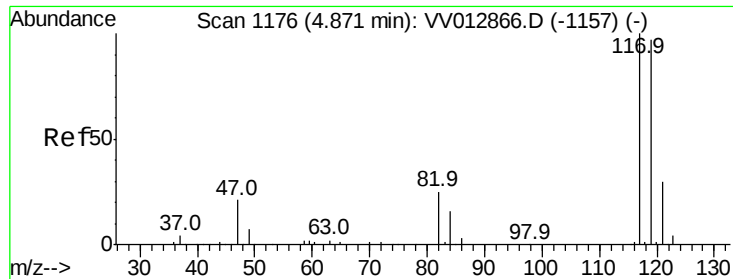
69 28.0 24.4 36.6

84 83.9 69.3 103.9



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

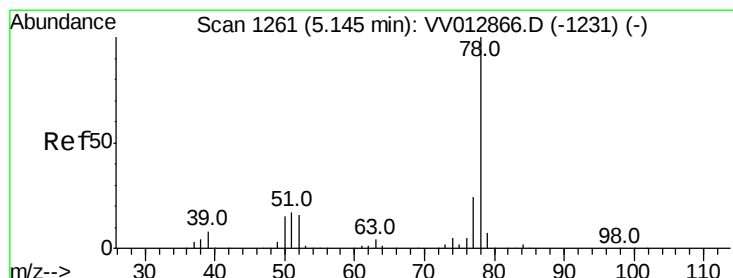
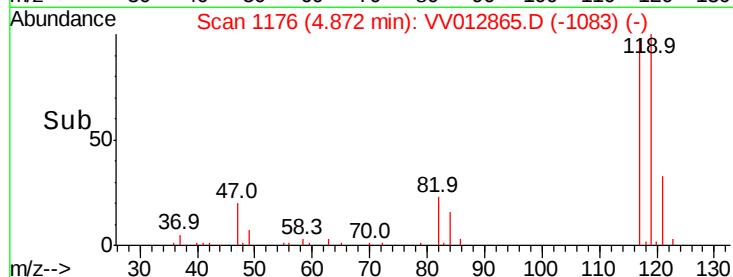
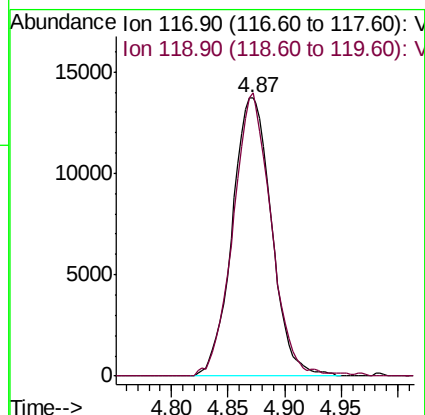
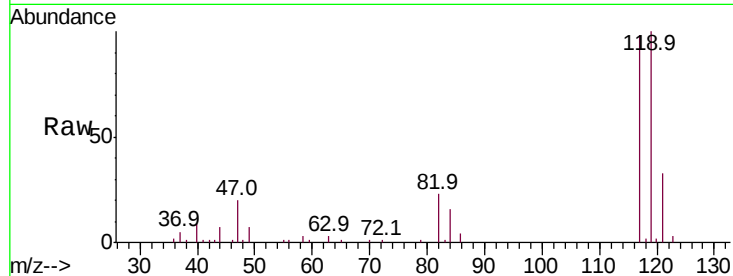




#31
 Carbon tetrachloride
 Concen: 1.021 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

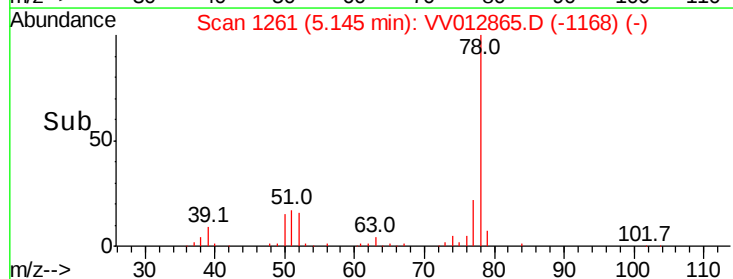
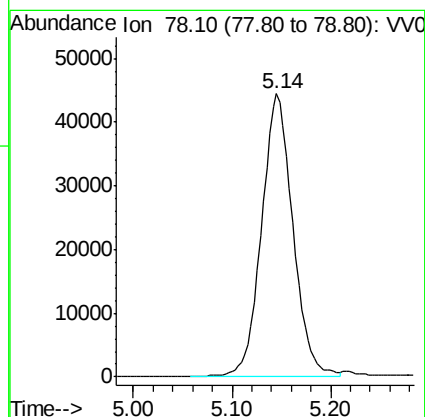
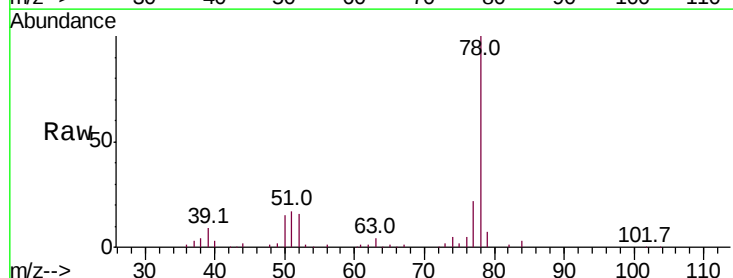
Instrument :
 MSVOA_V
 ClientSampleId :

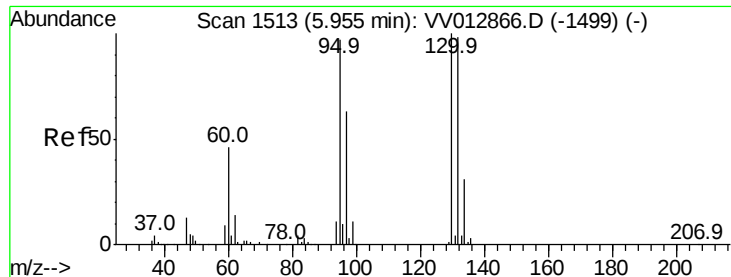
Tot Ion:117 Resp: 33193
 Ion Ratio Lower Upper
 117 100
 119 98.0 75.6 113.4



#33
 Benzene
 Concen: 1.031 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion: 78 Resp: 97562





#34

Trichloroethene

Concen: 0.963 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 25573

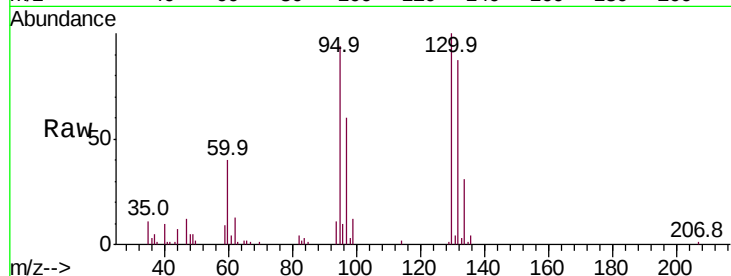
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 92.4 70.6 131.0

130 106.8 71.8 133.4

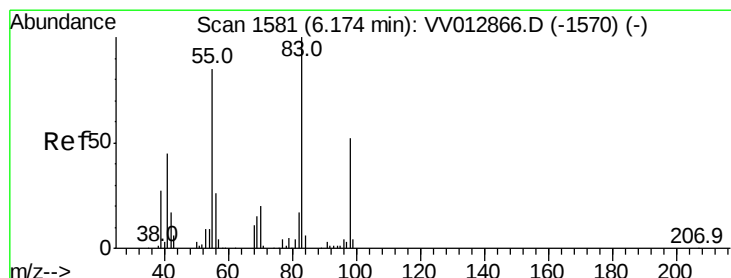
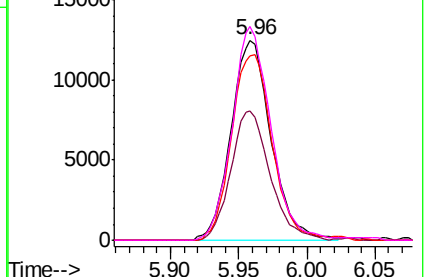
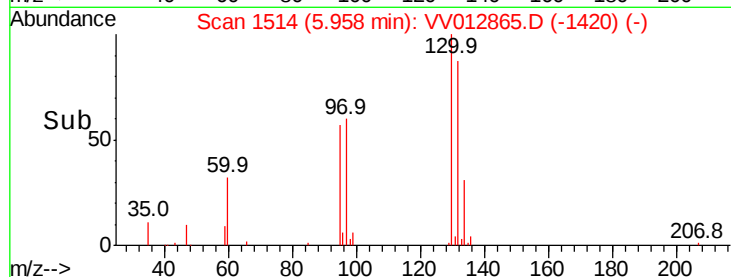


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.878 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

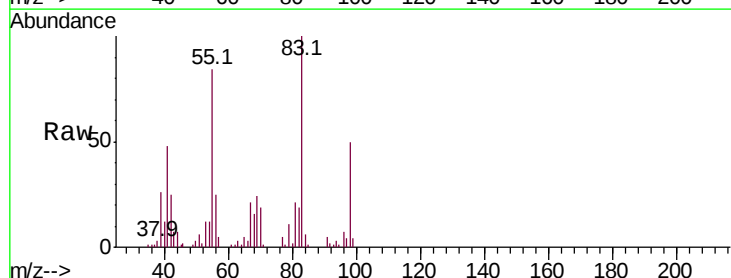
Tgt Ion: 83 Resp: 29049

Ion Ratio Lower Upper

83 100

55 87.7 63.8 95.6

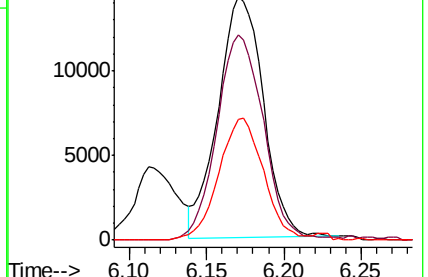
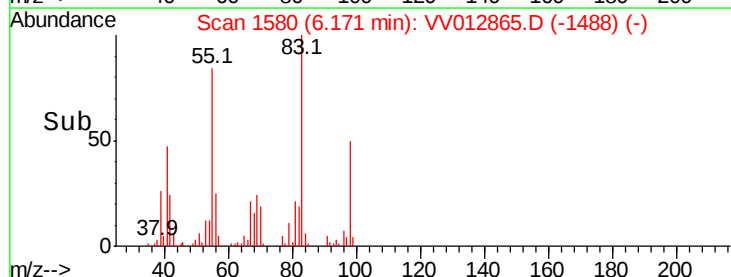
98 49.8 38.2 57.4

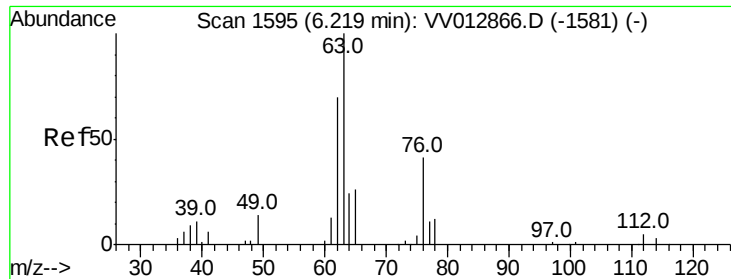


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 1.021 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

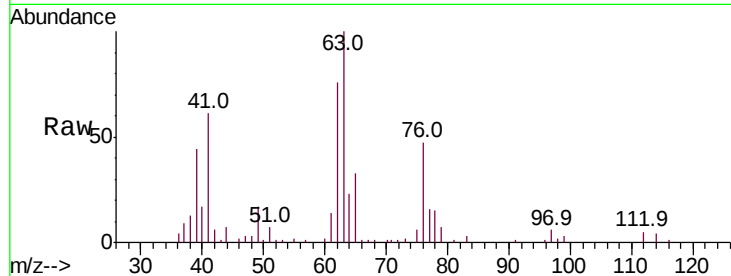
ClientSampled :

Tot Ion: 63 Resp: 26166

Ion Ratio Lower Upper

63 100

112 5.9 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012866.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012866.D (-1581) (-)

6.22

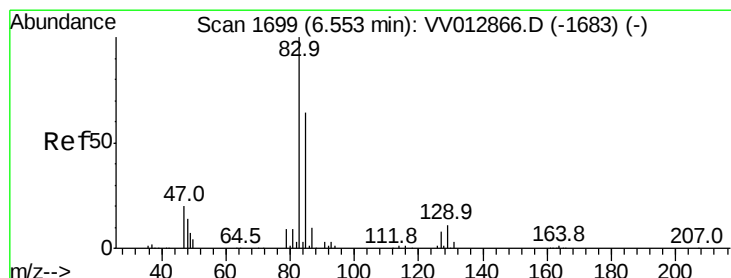
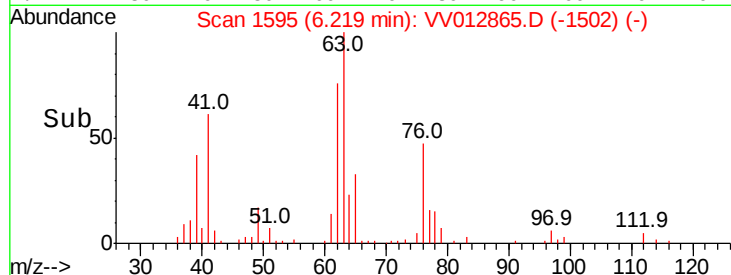
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 1.023 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

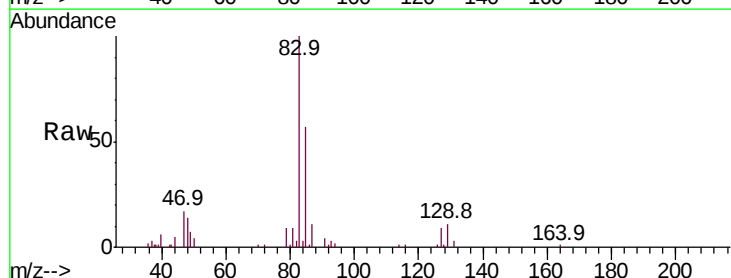
Tgt Ion: 83 Resp: 33882

Ion Ratio Lower Upper

83 100

85 57.4 44.9 83.5

127 8.7 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VV012866.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV012866.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV012866.D (-1683) (-)

6.56

25000

20000

15000

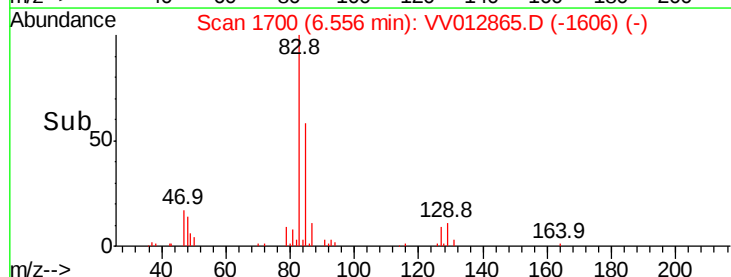
10000

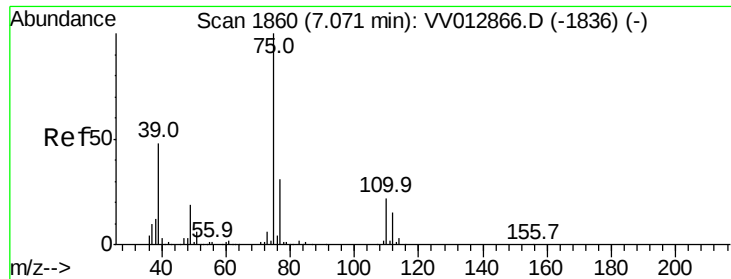
5000

0

6.50 6.55 6.60 6.65

Time-->

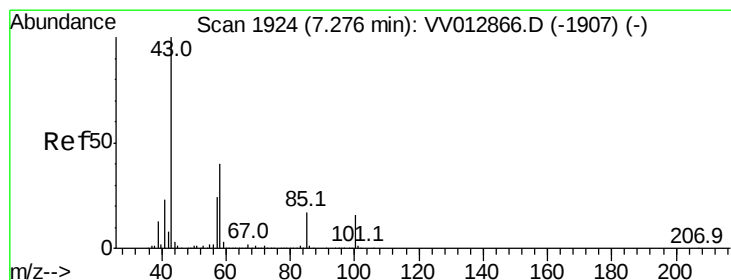
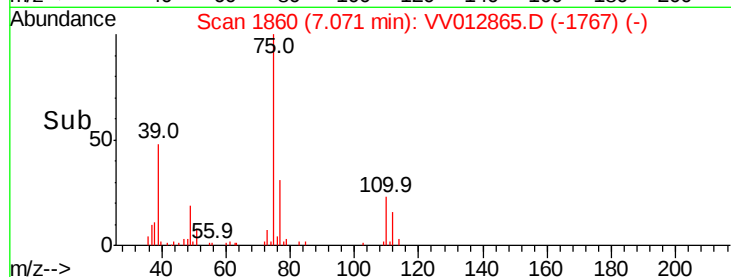
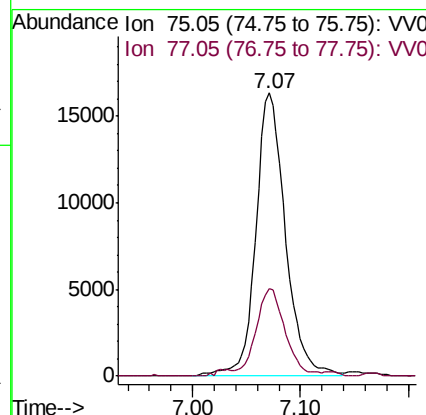
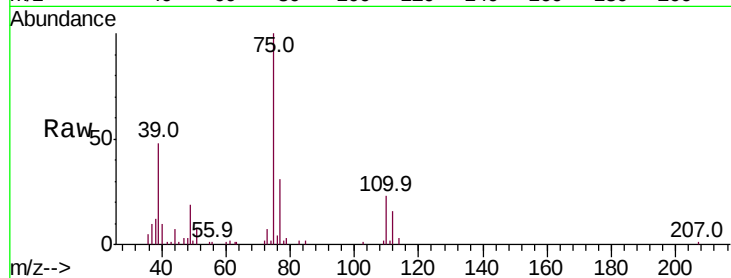




#39
 cis-1,3-Dichloropropene
 Concen: 0.975 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

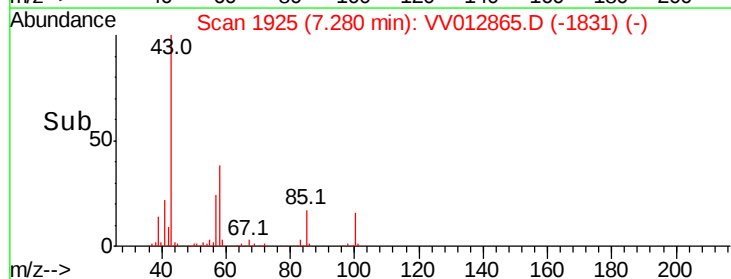
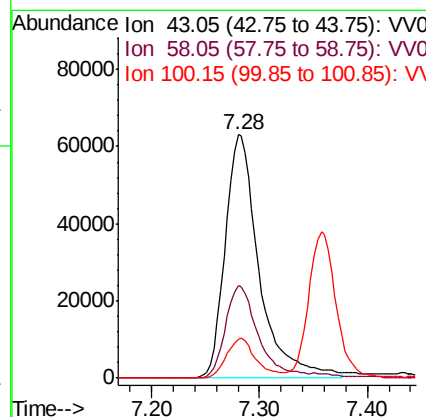
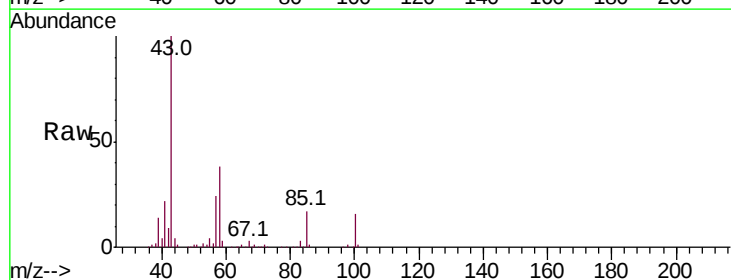
Instrument :
 MSVOA_V
 ClientSampleId :

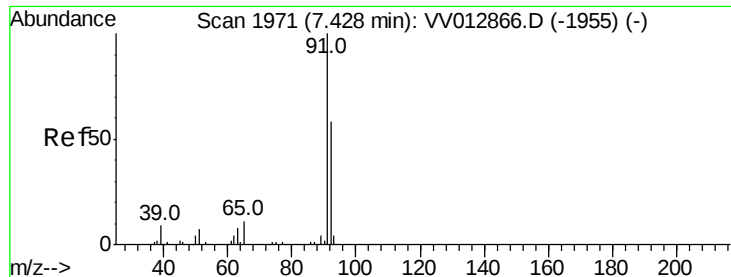
Tot Ion: 75 Resp: 31213
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 9.301 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion: 43 Resp: 136853
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.8 46.2
 100 14.6 11.8 17.6





#42

Toluene

Concen: 0.994 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

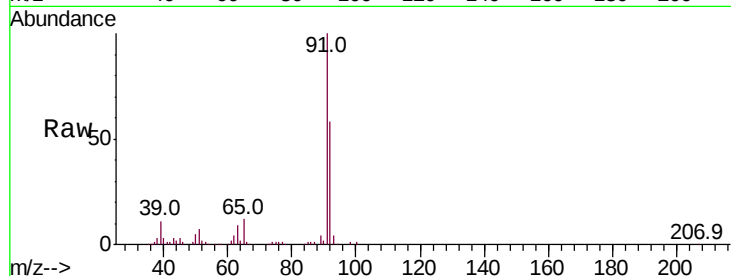
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 96328

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV012866.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV012866.D (-1955) (-)

7.43

60000

50000

40000

30000

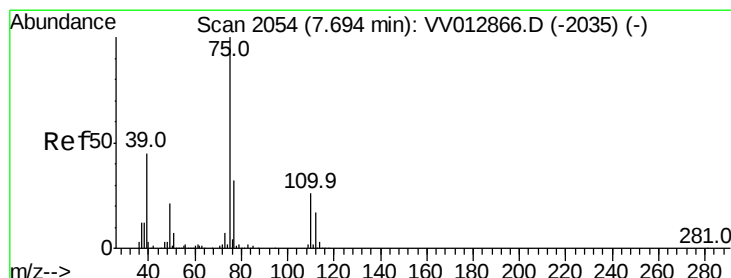
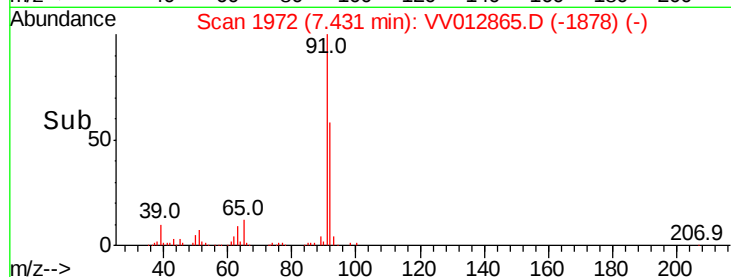
20000

10000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.989 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012865.D

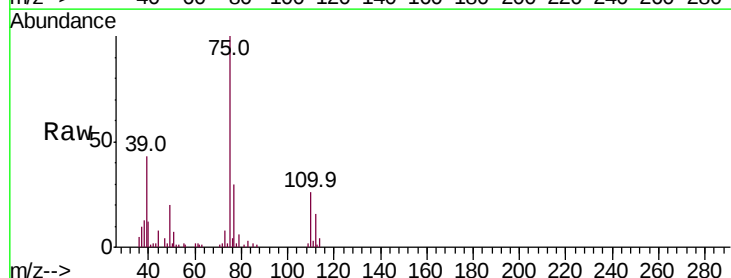
Acq: 17 Sep 2019 15:49

Tgt Ion: 75 Resp: 25218

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV012866.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012866.D (-2035) (-)

7.69

15000

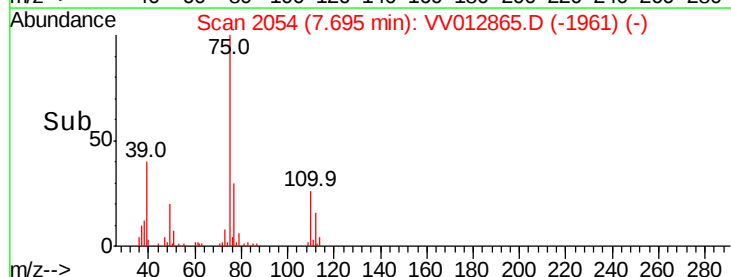
10000

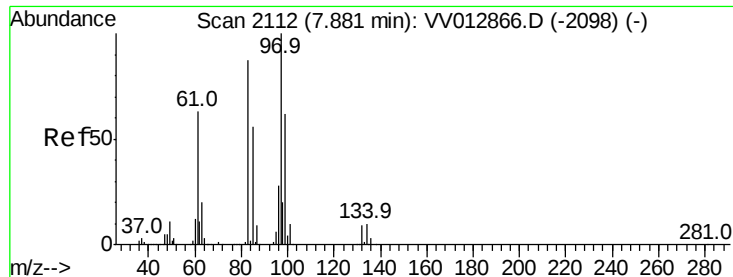
5000

0

7.60 7.65 7.70 7.75

Time-->

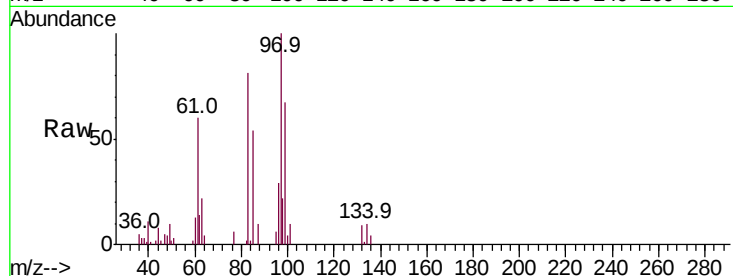




#45
 1,1,2-Trichloroethane
 Concen: 1.053 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	19334
Ion	Ratio	Lower	Upper
97	100		
99	66.6	43.7	81.1
83	80.9	60.6	112.6
85	53.6	38.9	72.3

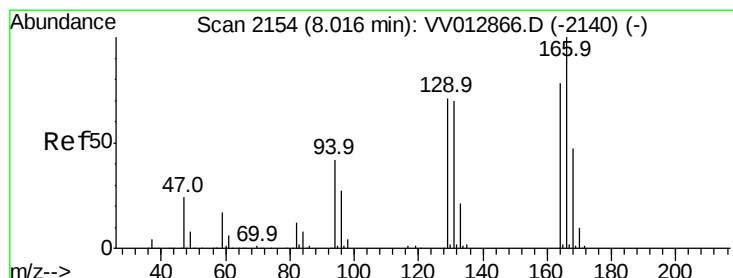
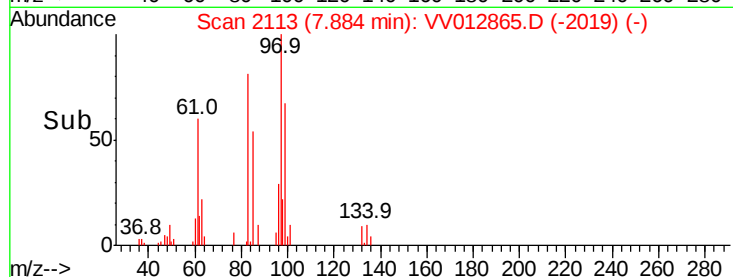
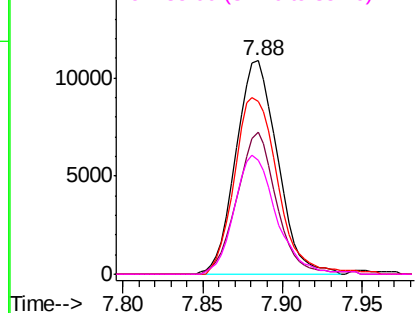


Abundance Ion 96.95 (96.65 to 97.65): VV012866.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV012866.D (-2098) (-)

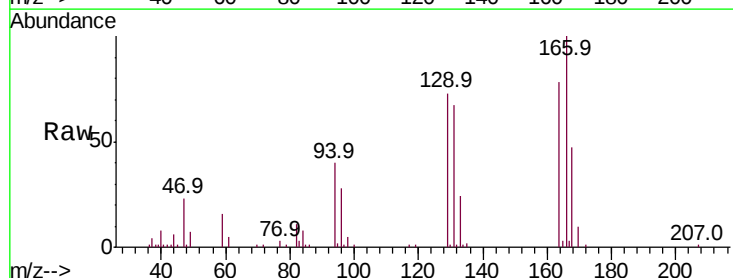
Ion 82.95 (82.65 to 83.65): VV012866.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV012866.D (-2098) (-)



#47
 Tetrachloroethene
 Concen: 0.979 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion:	164	Resp:	19340
Ion	Ratio	Lower	Upper
164	100		
129	93.2	63.8	118.6
131	85.6	63.1	117.3
166	128.0	89.9	166.9

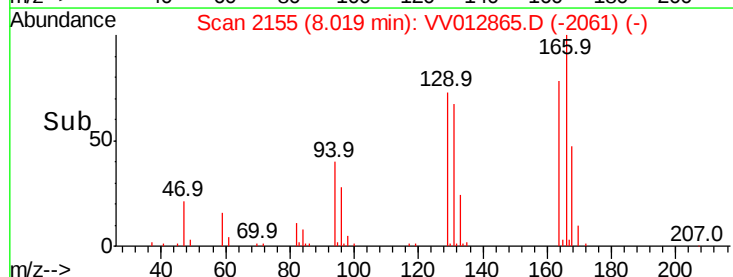
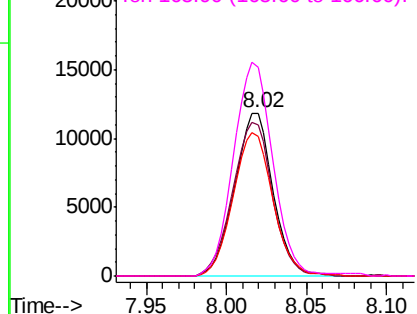


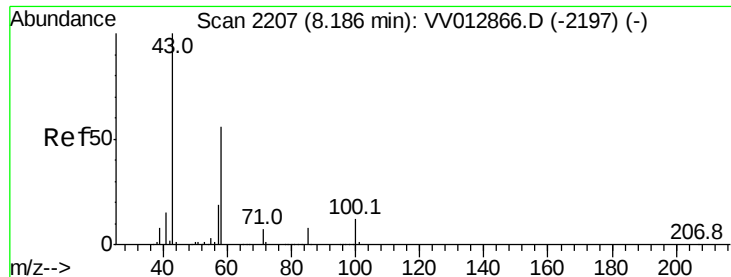
Abundance Ion 163.90 (163.60 to 164.60): VV012866.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012866.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012866.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012866.D (-2140) (-)

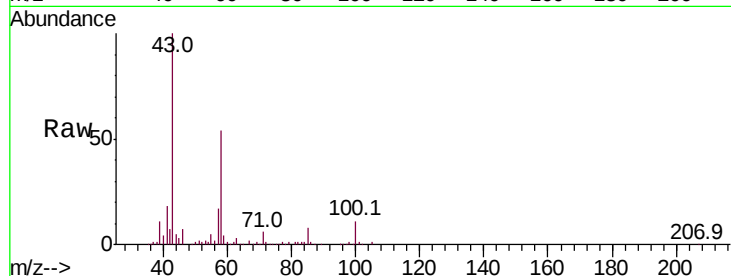




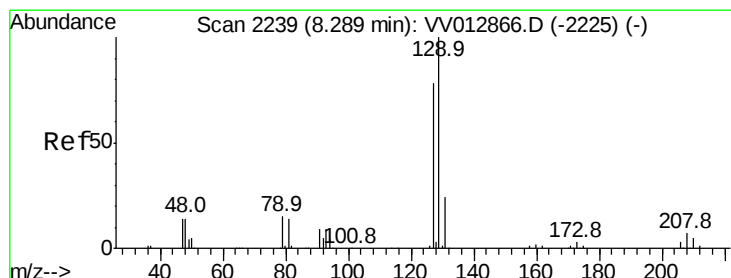
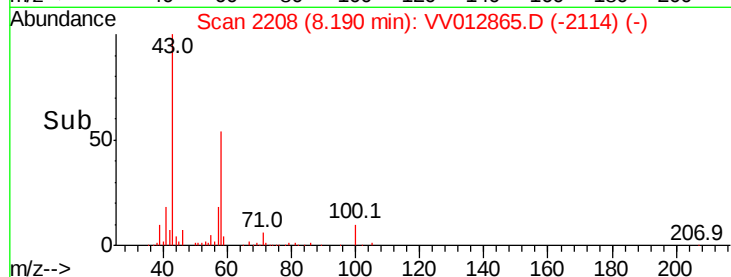
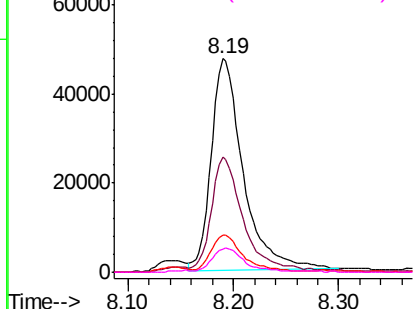
#48
2-Hexanone
Concen: 9.041 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012865.D
Acq: 17 Sep 2019 15:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 100513
Ion Ratio Lower Upper
43 100
58 52.3 44.5 66.7
57 17.8 15.0 22.6
100 10.8 9.7 14.5

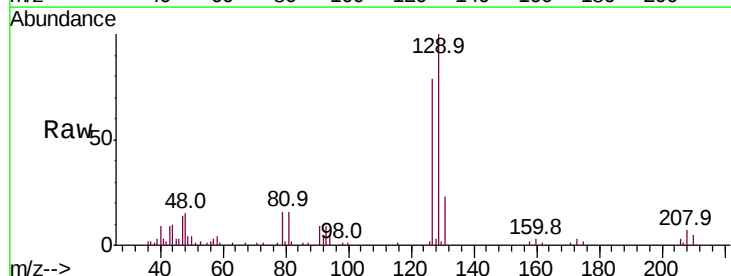


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

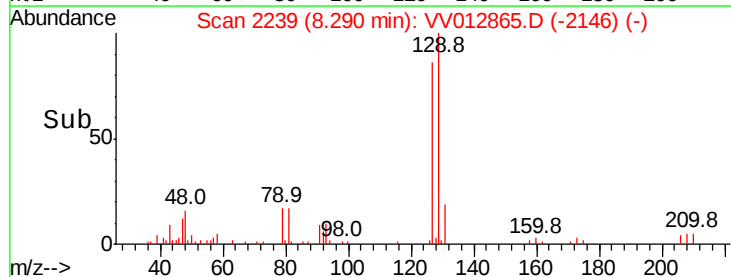
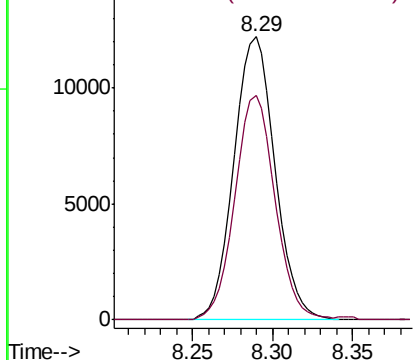


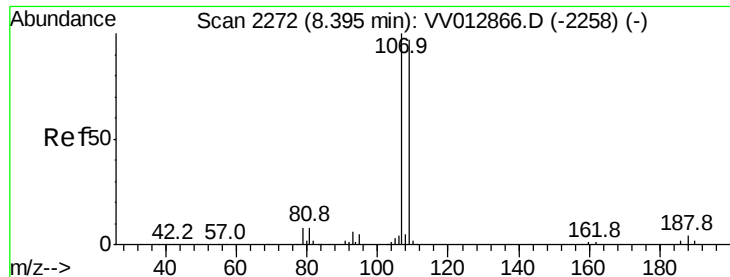
#49
Dibromochloromethane
Concen: 1.021 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012865.D
Acq: 17 Sep 2019 15:49

Tgt Ion: 129 Resp: 21359
Ion Ratio Lower Upper
129 100
127 79.3 54.7 101.7



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

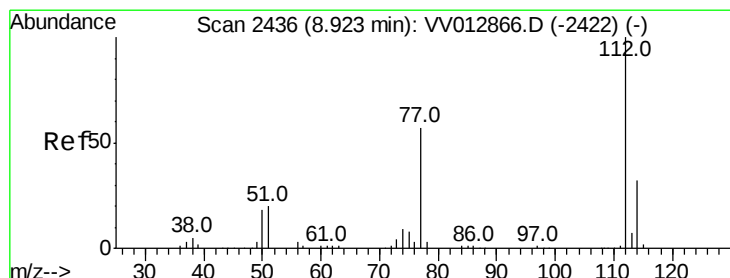
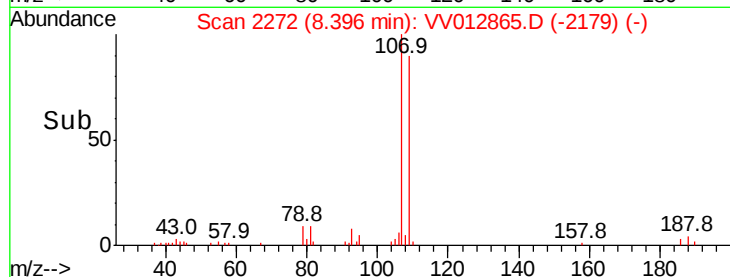
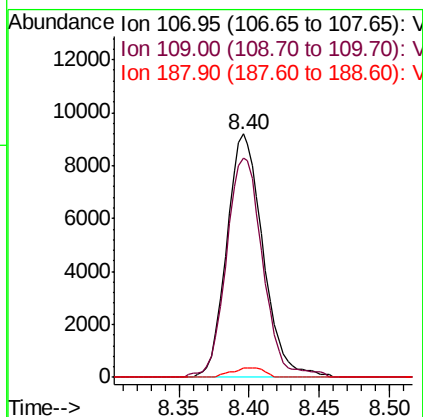
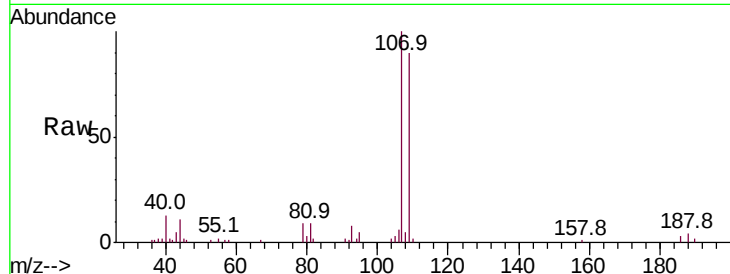




#50
 1,2-Dibromoethane
 Concen: 1.080 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

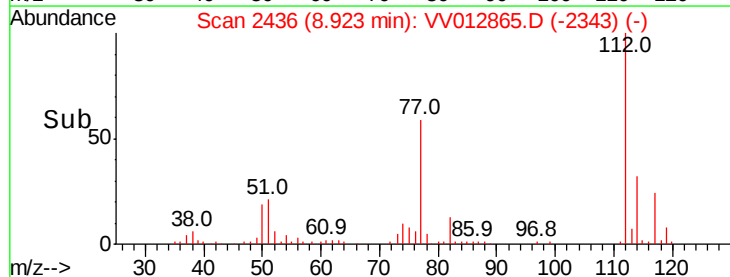
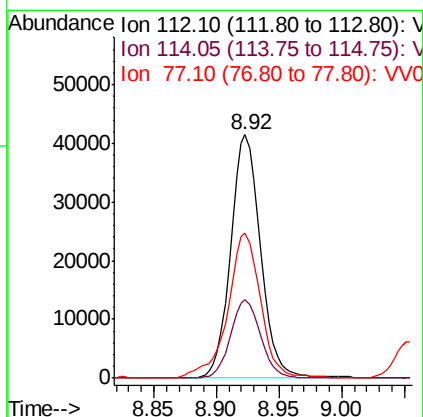
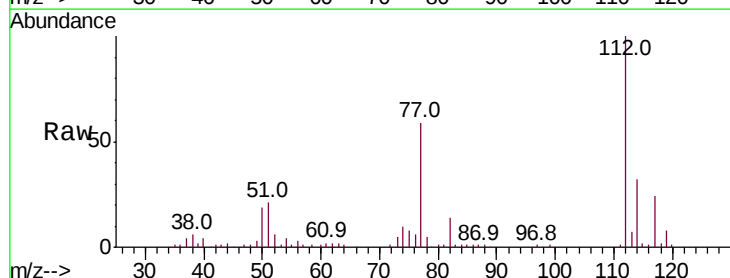
Instrument :
 MSVOA_V
 ClientSampleId :

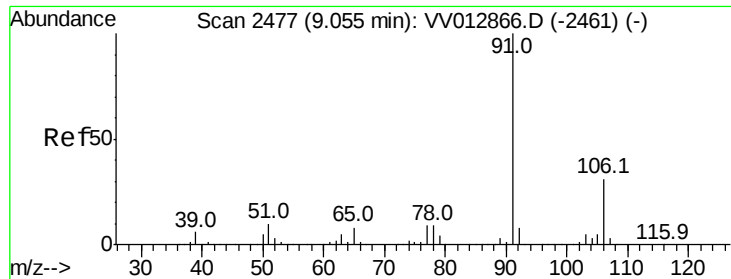
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	68.0	126.2
188	3.6	3.2	4.8



#51
 Chlorobenzene
 Concen: 1.031 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	59.4	45.8	68.8





#52

Ethylbenzene

Concen: 0.942 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

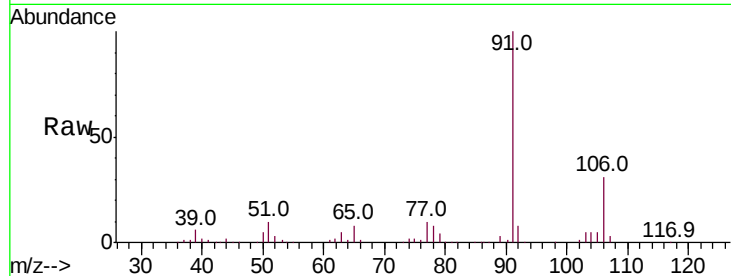
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 97405

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012865.D (-2461) (-)

Ion 106.15 (105.85 to 106.85): VV012865.D (-2461) (-)

9.05

60000

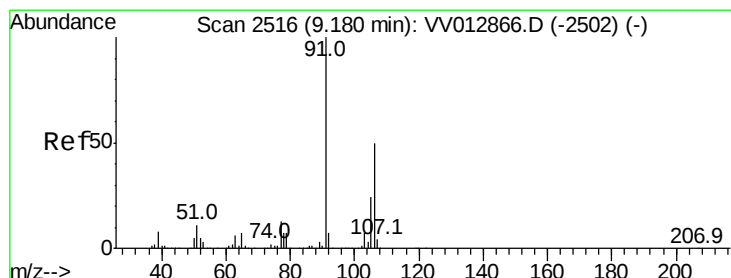
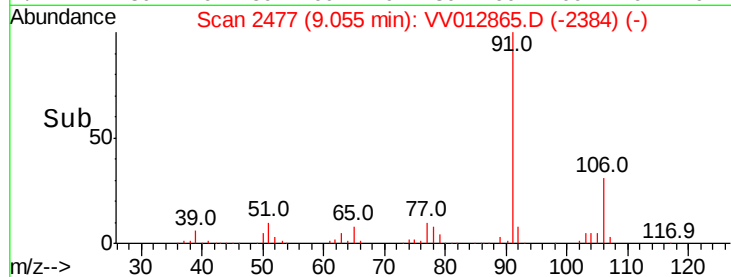
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 0.915 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012865.D

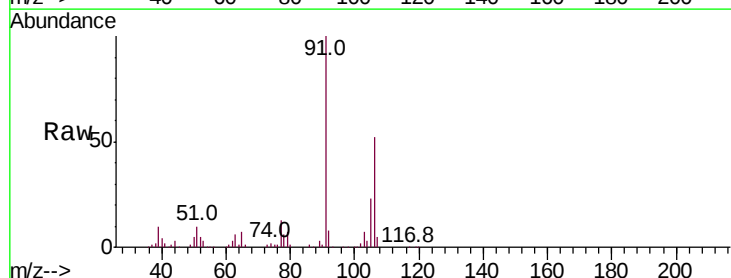
Acq: 17 Sep 2019 15:49

Tgt Ion: 106 Resp: 35132

Ion Ratio Lower Upper

106 100

91 192.8 139.6 259.2



Abundance Ion 106.15 (105.85 to 106.85): VV012865.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV012865.D (-2502) (-)

9.18

50000

40000

30000

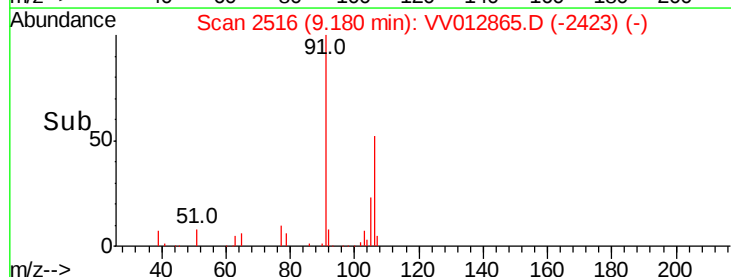
20000

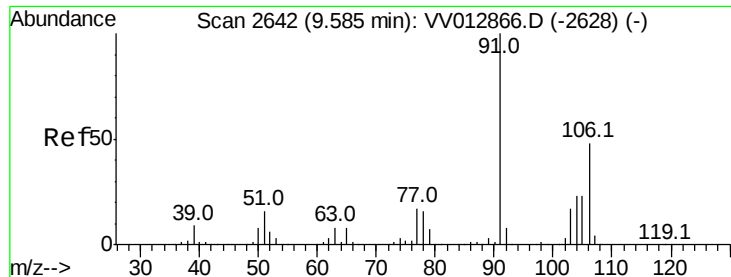
10000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 0.935 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

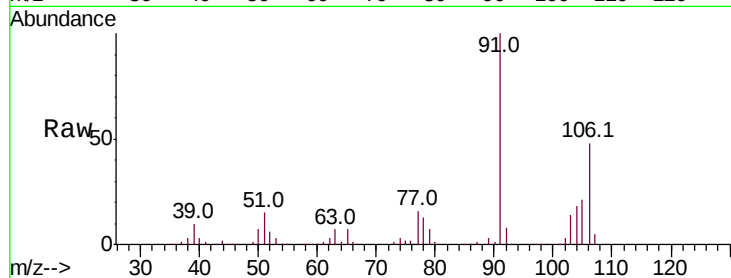
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 34911

Ion Ratio Lower Upper

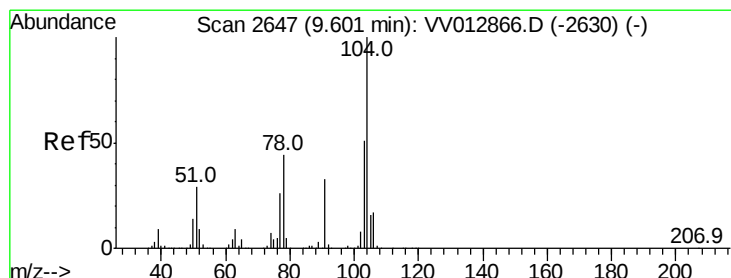
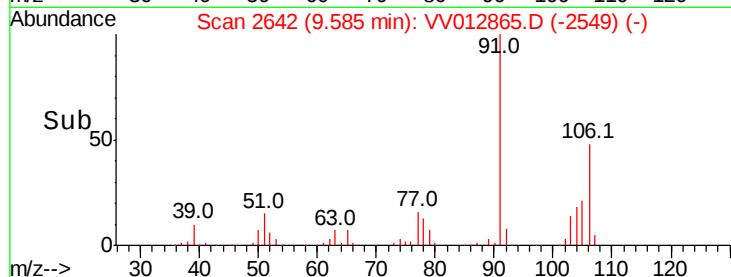
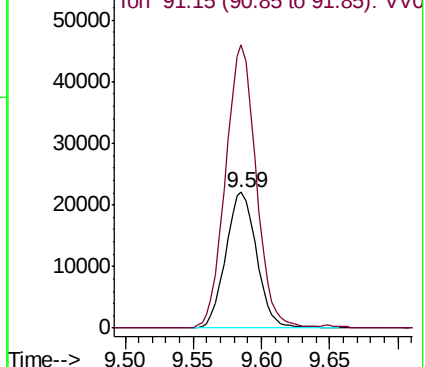
106 100

91 208.0 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.868 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012865.D

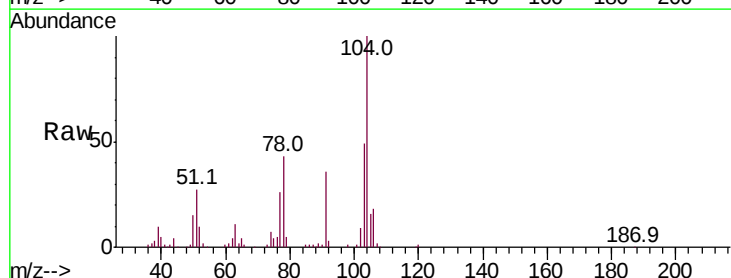
Acq: 17 Sep 2019 15:49

Tgt Ion:104 Resp: 55045

Ion Ratio Lower Upper

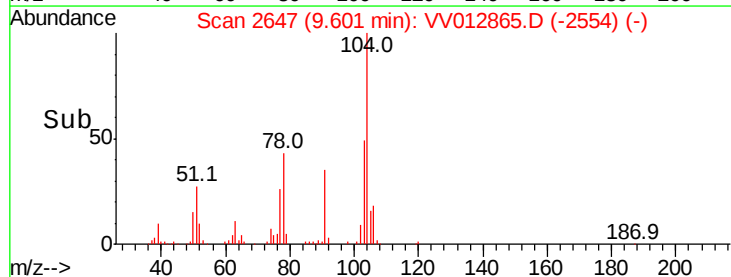
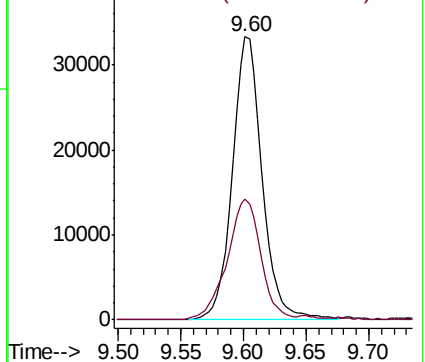
104 100

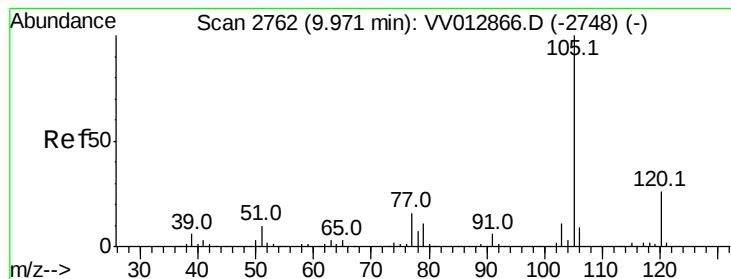
78 42.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.905 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :
MSVOA_V
ClientSampled :

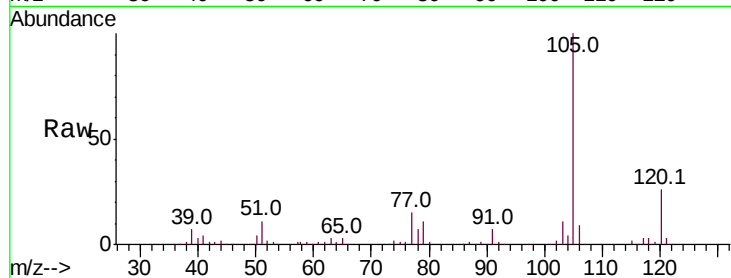
Tot Ion:105 Resp: 90796

Ion Ratio Lower Upper

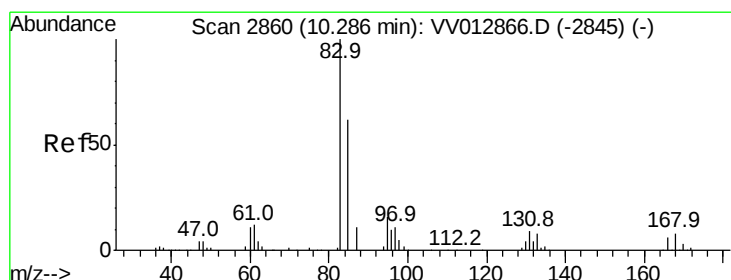
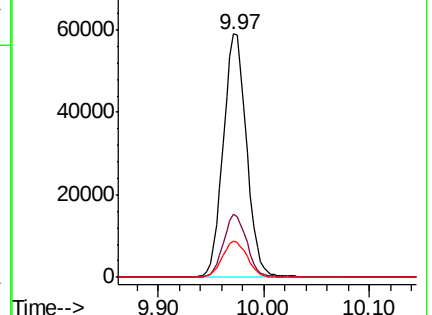
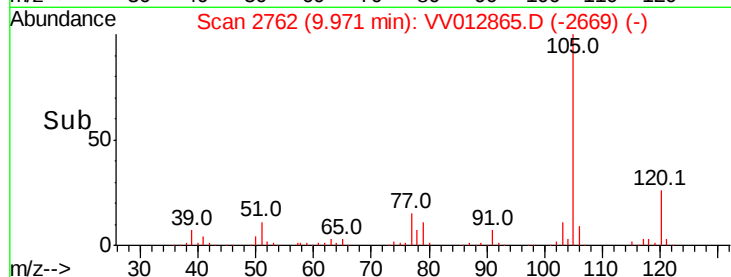
105 100

120 25.7 20.8 31.2

77 15.9 12.6 19.0



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: 1.271 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

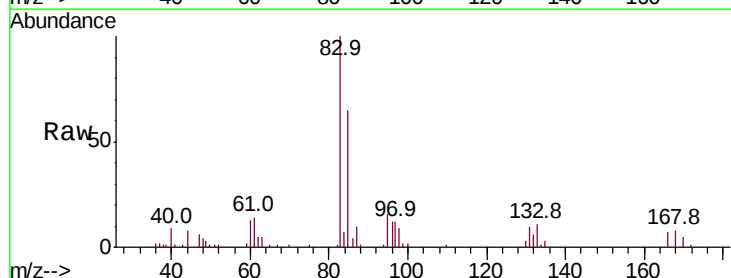
Tgt Ion: 83 Resp: 23456

Ion Ratio Lower Upper

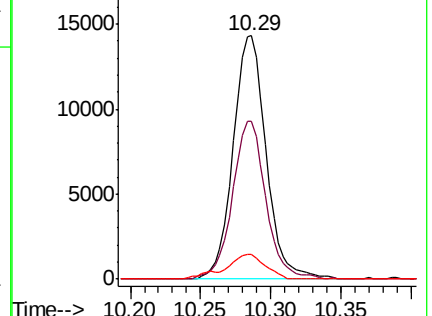
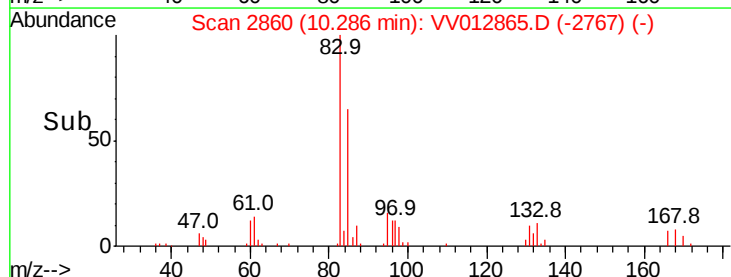
83 100

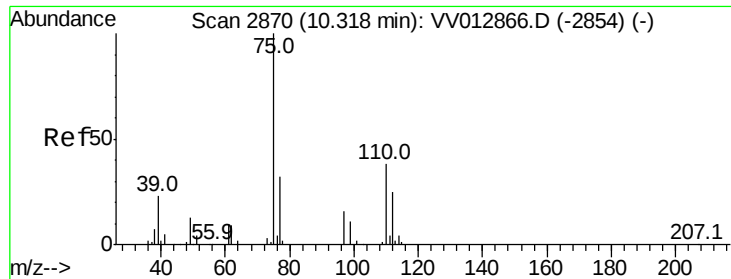
85 65.1 43.9 81.5

131 10.0 7.5 11.3



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: 1.069 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

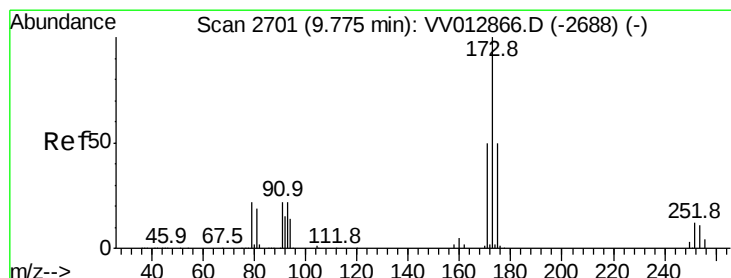
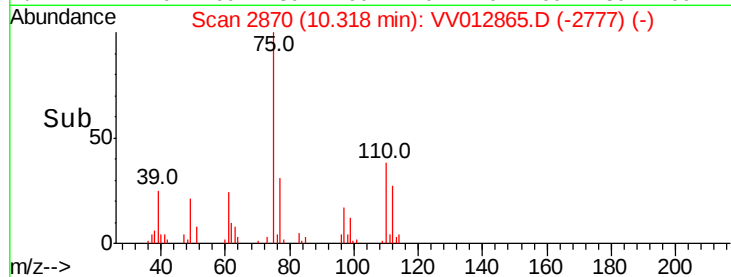
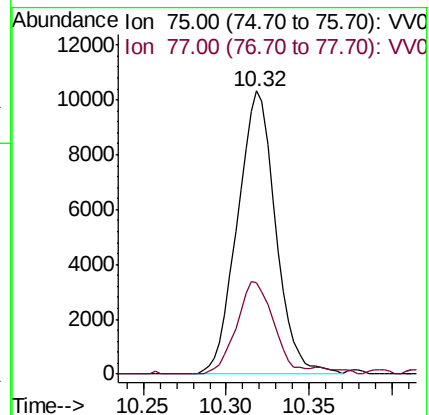
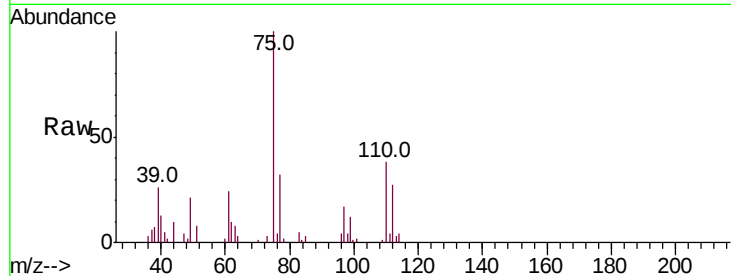
ClientSampleId :

Tot Ion: 75 Resp: 16518

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1



#61

Bromoform

Concen: 1.059 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

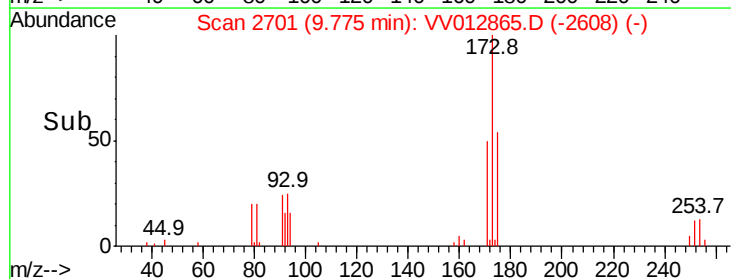
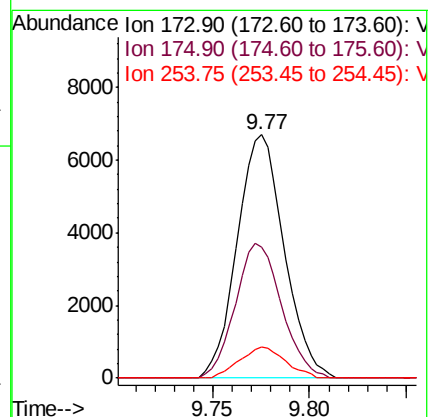
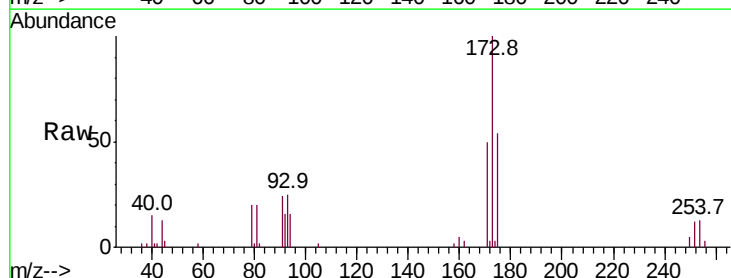
Tgt Ion: 173 Resp: 11309

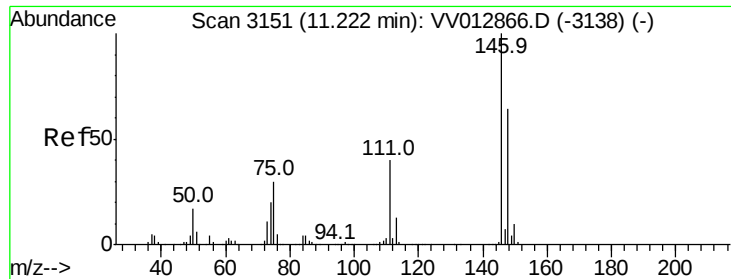
Ion Ratio Lower Upper

173 100

175 54.3 39.2 58.8

254 12.5 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 1.038 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

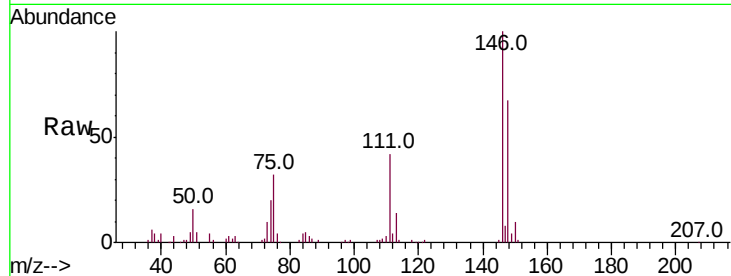
Tot Ion:146 Resp: 49795

Ion Ratio Lower Upper

146 100

111 42.0 27.8 51.6

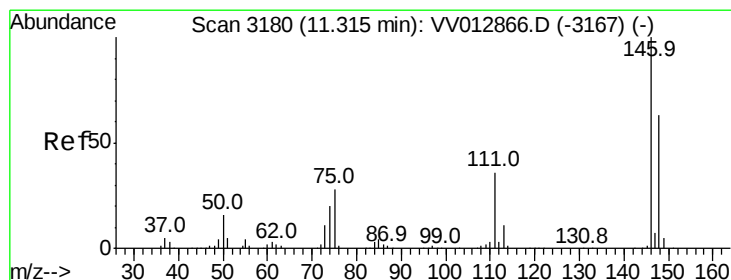
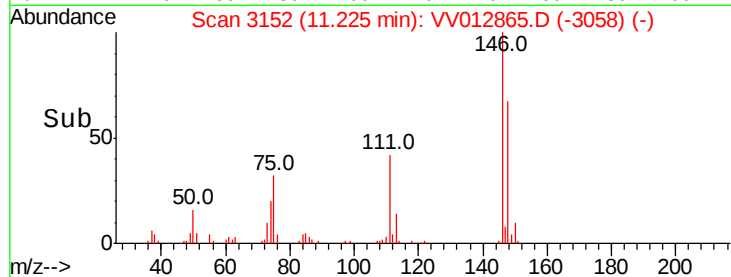
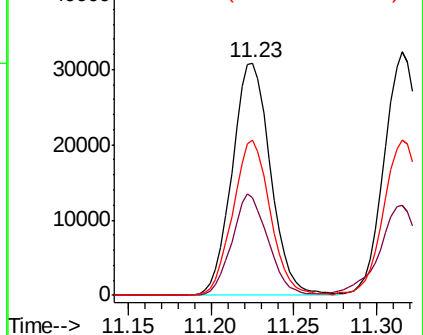
148 66.9 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.012 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

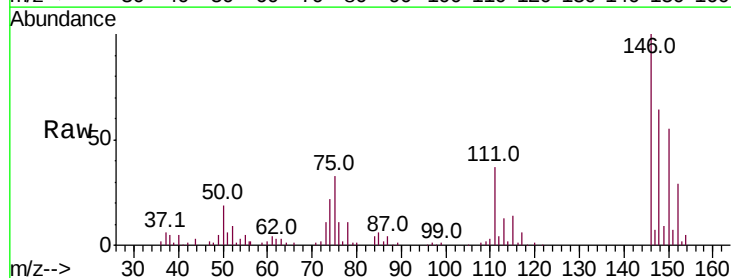
Tgt Ion:146 Resp: 50377

Ion Ratio Lower Upper

146 100

111 37.1 25.6 47.4

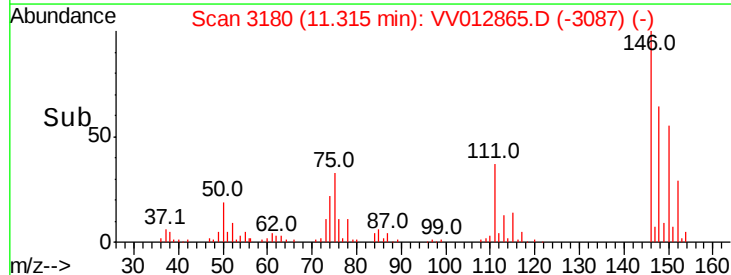
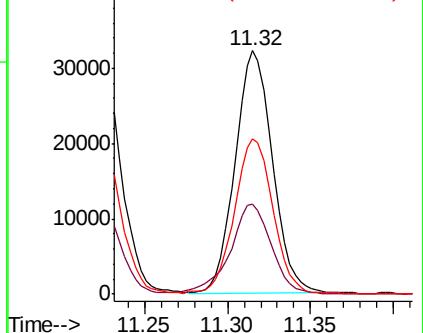
148 63.8 44.5 82.7

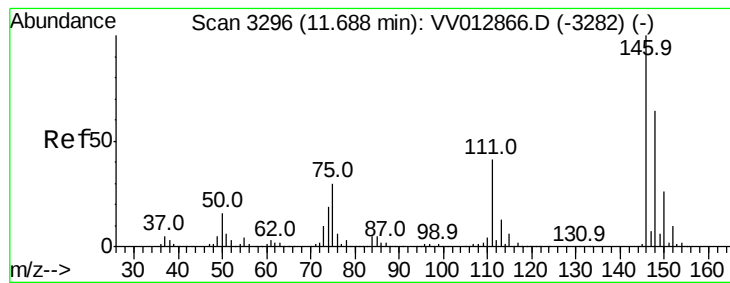


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.052 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

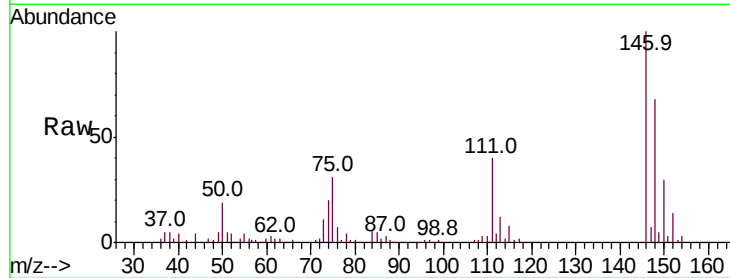
Tot Ion:146 Resp: 49177

Ion Ratio Lower Upper

146 100

111 39.8 32.8 49.2

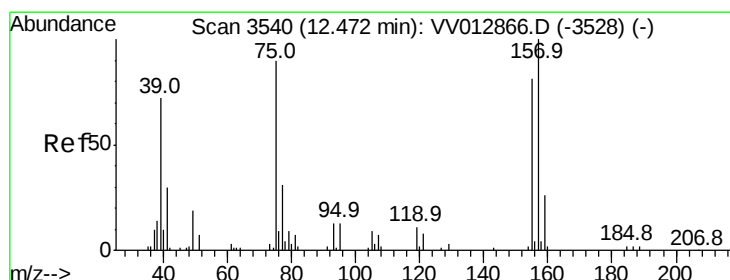
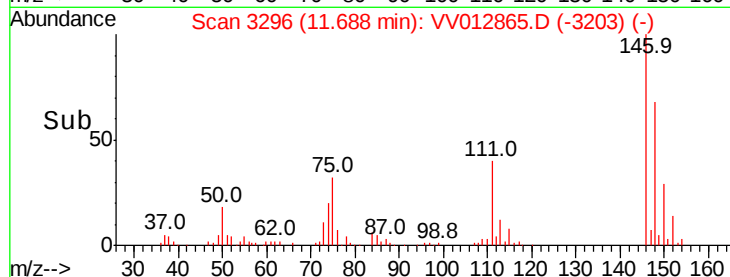
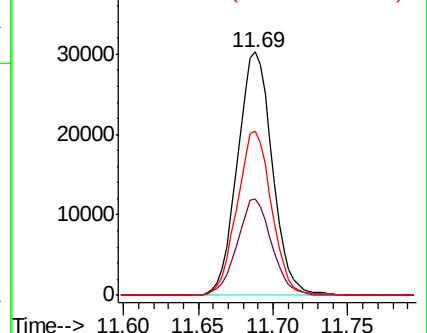
148 67.7 51.1 76.7



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: 1.486 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

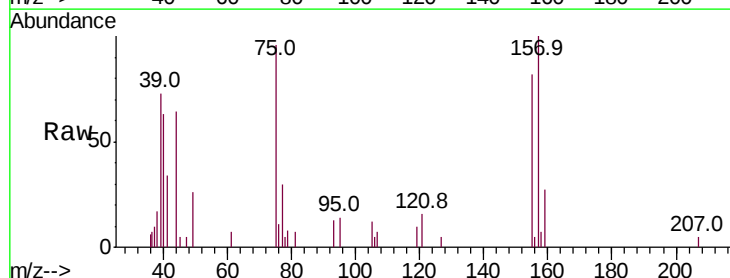
Tgt Ion: 75 Resp: 3609

Ion Ratio Lower Upper

75 100

155 85.6 72.4 108.6

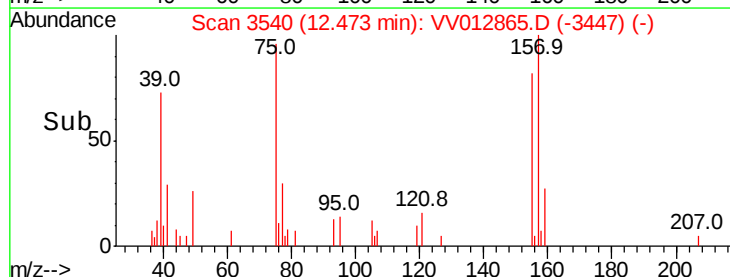
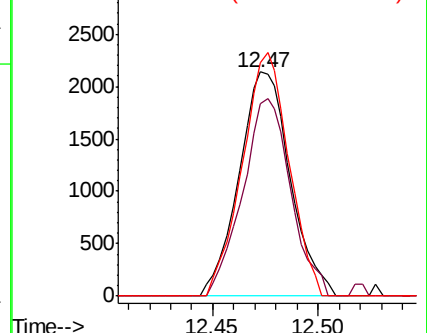
157 104.3 89.3 133.9

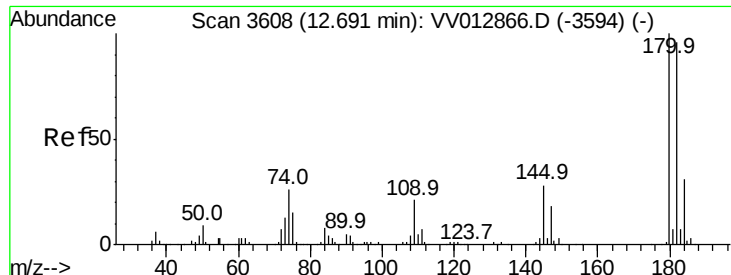


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

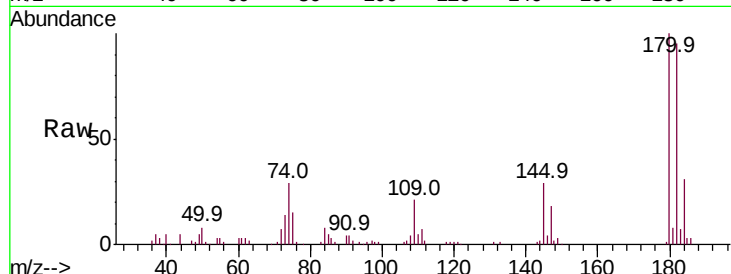




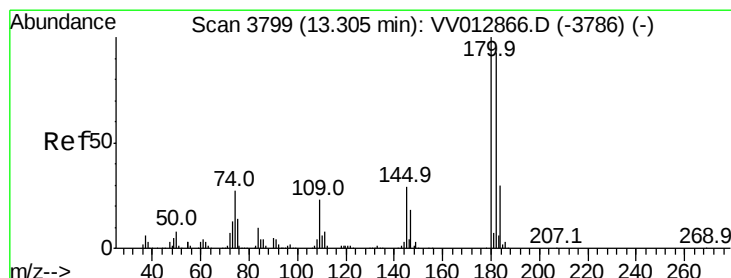
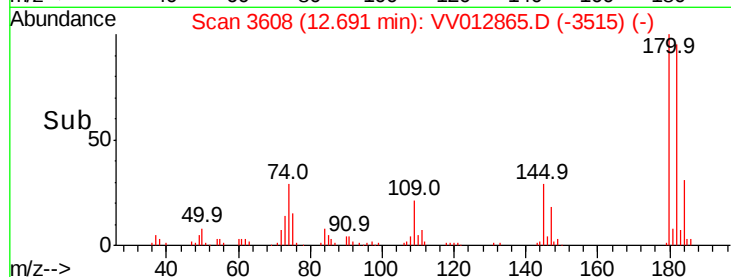
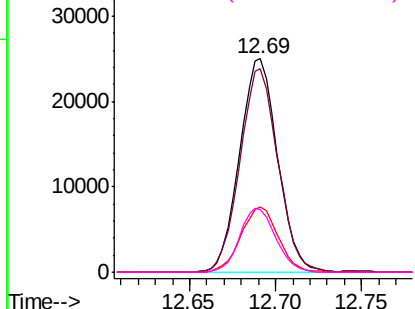
#67
 1,3,5-Trichlorobenzene
 Concen: 1.036 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 38530
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 184 30.0 24.6 36.8
 145 28.3 22.1 33.1

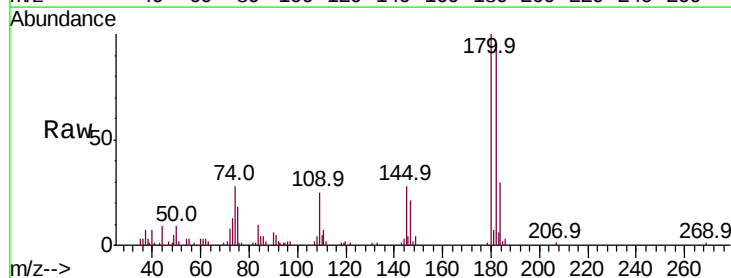


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

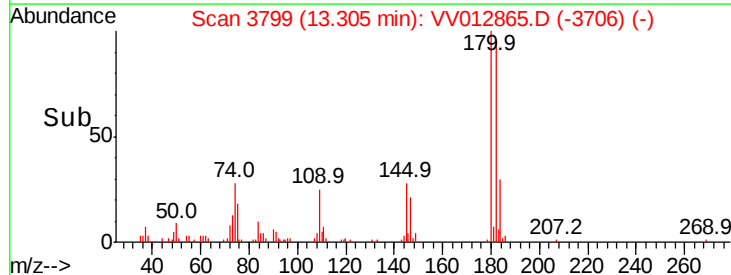
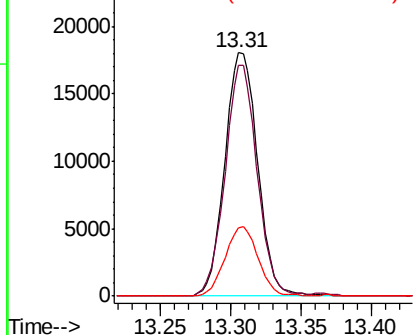


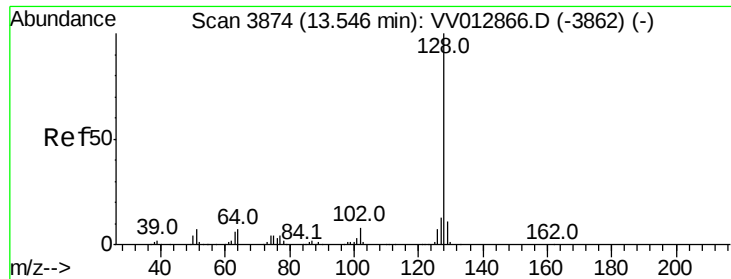
#68
 1,2,4-trichlorobenzene
 Concen: 1.044 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012865.D
 Acq: 17 Sep 2019 15:49

Tgt Ion:180 Resp: 29396
 Ion Ratio Lower Upper
 180 100
 182 92.5 75.8 113.6
 145 28.4 22.9 34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.931 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

Instrument :

MSVOA_V

ClientSampleId :

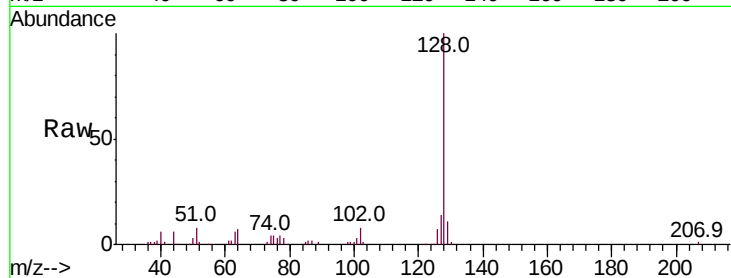
Tot Ion:128 Resp: 38045

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

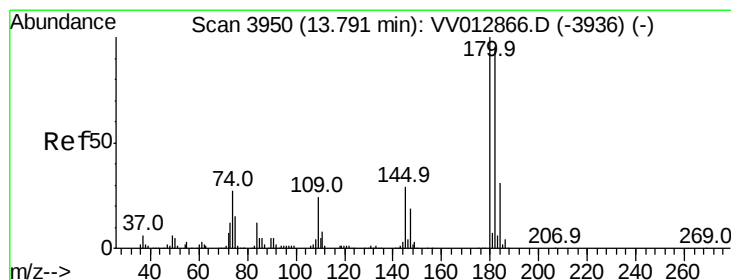
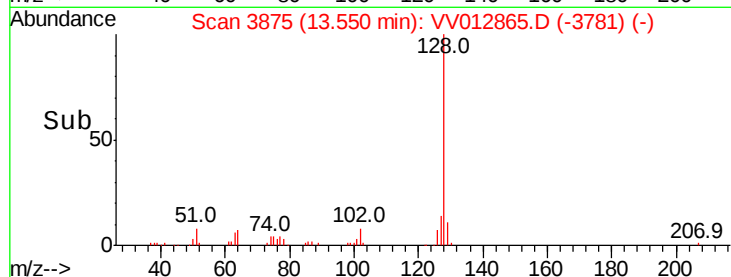
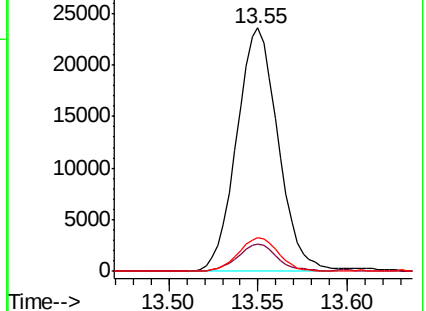
127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.052 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV012865.D

Acq: 17 Sep 2019 15:49

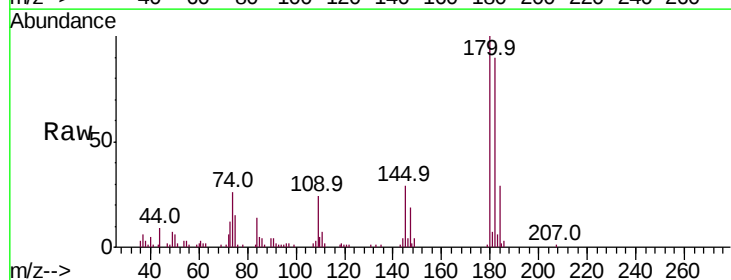
Tgt Ion:180 Resp: 28896

Ion Ratio Lower Upper

180 100

182 93.7 76.1 114.1

145 30.0 23.7 35.5



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

