

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092618\
 Data File : VV007888.D
 Acq On : 26 Sep 2018 17:03
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 04:56:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 27 04:55:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	191732	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190719	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107933	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48847	40.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.28%
7) Chloroethane-d5	1.58	69	46316	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.24%
11) 1,1-Dichloroethene-d2	2.14	63	113666	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.76%
21) 2-Butanone-d5	3.95	46	107169	132.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.30%#
24) Chloroform-d	4.41	84	125794	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
26) 1,2-Dichloroethane-d4	5.09	65	86721	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
32) Benzene-d6	5.10	84	234432	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.13	67	75835	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	7.36	98	238548	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%
43) trans-1,3-Dichloropropene-	7.67	79	35625	46.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.56%
47) 2-Hexanone-d5	8.14	63	75785	112.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115516	48.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.86%
64) 1,2-Dichlorobenzene-d4	11.68	152	111526	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	69085	49.888	ug/L	100
3) Chloromethane	1.26	50	63013	48.180	ug/L	100
5) Vinyl chloride	1.33	62	69001	49.154	ug/L	97
6) Bromomethane	1.53	94	44115	56.748	ug/L	99
8) Chloroethane	1.60	64	42536	48.580	ug/L	100
9) Trichlorofluoromethane	1.77	101	117384	49.905	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	66652	50.704	ug/L	99
12) 1,1-Dichloroethene	2.14	96	58285	49.408	ug/L	97
13) Acetone	2.19	43	84845	86.944	ug/L	99
14) Carbon disulfide	2.32	76	147765	48.011	ug/L	98
15) Methyl Acetate	2.46	43	75361	52.643	ug/L	100
16) Methylene chloride	2.54	84	65654	50.294	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	62811	49.907	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	200340	51.090	ug/L	99
19) 1,1-Dichloroethane	3.23	63	110724	51.266	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	68375	50.140	ug/L	99
22) 2-Butanone	4.04	43	111890	100.059	ug/L	99

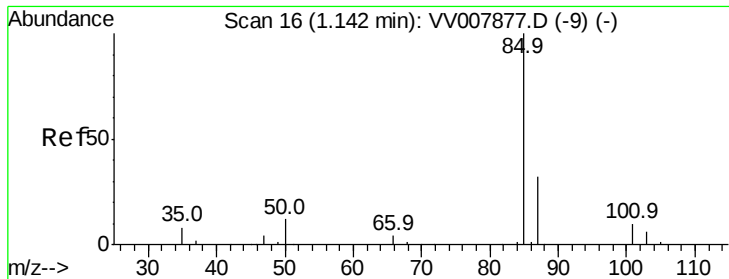
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092618\
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 27 04:55:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	36713	51.745	uq/L	98
25) Chloroform	4.43	83	124269	48.478	uq/L	98
27) 1,2-Dichloroethane	5.19	62	102638	50.519	uq/L	98
29) Cyclohexane	4.73	56	99032	48.555	uq/L	98
30) 1,1,1-Trichloroethane	4.67	97	109150	50.530	uq/L	99
31) Carbon tetrachloride	4.88	117	96554	50.593	uq/L	99
33) Benzene	5.15	78	257345	50.179	uq/L	100
34) Trichloroethene	5.96	95	69276	48.696	uq/L	97
35) Methylcyclohexane	6.18	83	112537	50.423	uq/L	98
37) 1,2-Dichloropropane	6.23	63	68641	50.187	uq/L	99
38) Bromodichloromethane	6.56	83	87667	50.645	uq/L	99
39) cis-1,3-Dichloropropene	7.08	75	105572	53.169	uq/L	98
40) 4-Methyl-2-pentanone	7.28	43	197762	102.320	uq/L	98
42) Toluene	7.44	91	292257	50.579	uq/L	99
44) trans-1,3-Dichloropropene	7.70	75	100814	51.084	uq/L	98
45) 1,1,2-Trichloroethane	7.89	97	68264	49.945	uq/L	99
46) Tetrachloroethene	8.02	164	66131	48.376	uq/L	98
48) 2-Hexanone	8.19	43	164760	107.855	uq/L	98
49) Dibromochloromethane	8.30	129	75930	50.807	uq/L	98
50) 1,2-Dibromoethane	8.40	107	75000	51.033	uq/L	100
51) Chlorobenzene	8.93	112	198662	49.672	uq/L	99
52) Ethylbenzene	9.06	91	326586	50.036	uq/L	99
53) m,p-Xylene	9.19	106	125586	50.502	uq/L	100
54) o-xylene	9.59	106	121838	50.437	uq/L	99
55) Styrene	9.61	104	216764	52.389	uq/L	97
56) Isopropylbenzene	9.98	105	332371	50.480	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	113899	50.992	uq/L	100
59) 1,2,3-Trichloropropane	10.32	75	91494	50.251	uq/L	99
61) Bromoform	9.78	173	56420	49.569	uq/L	98
62) 1,3-Dichlorobenzene	11.23	146	166161	49.203	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	174506	48.626	uq/L	99
65) 1,2-Dichlorobenzene	11.69	146	173036	49.376	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23611	51.493	uq/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	141111	49.563	uq/L	99
68) 1,2,4-trichlorobenzene	13.31	180	123276	51.319	uq/L	99
69) Naphthalene	13.56	128	326081	55.492	uq/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	125523	51.608	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.888 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

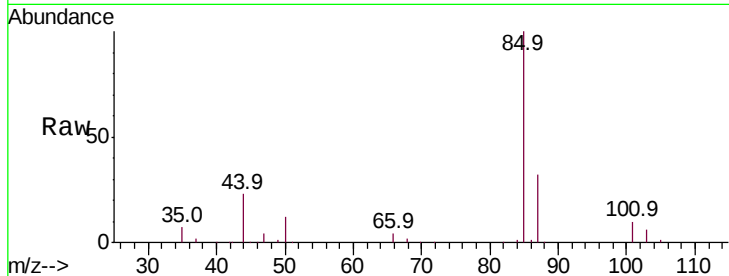
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 69085

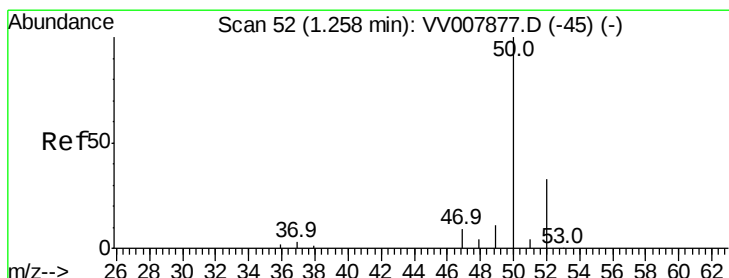
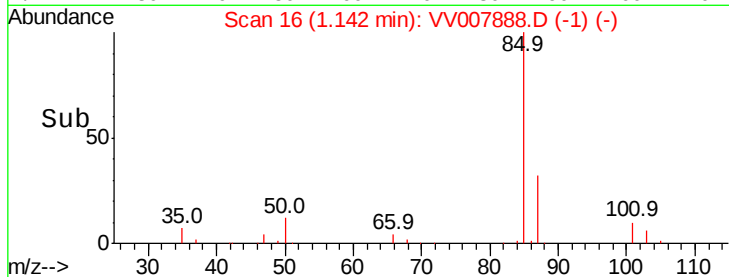
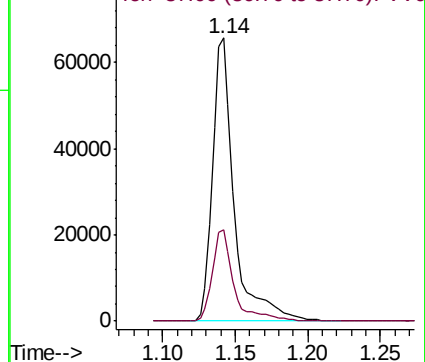
Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



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



#3

Chloromethane

Concen: 48.180 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007888.D

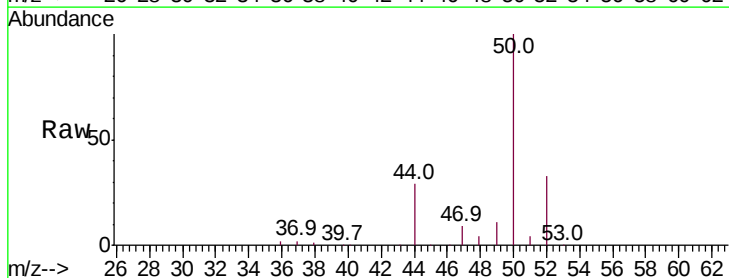
Acq: 26 Sep 2018 17:03

Tgt Ion: 50 Resp: 63013

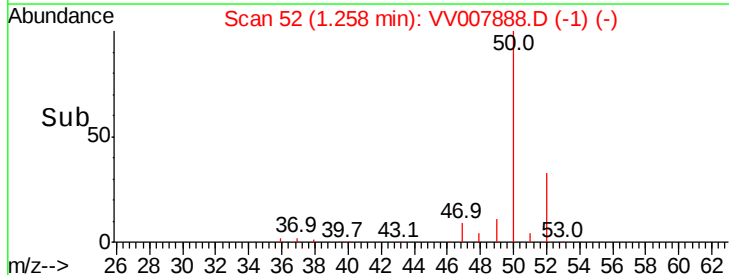
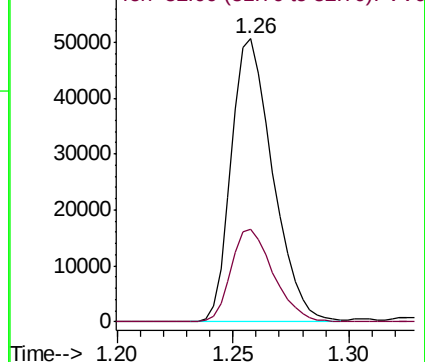
Ion Ratio Lower Upper

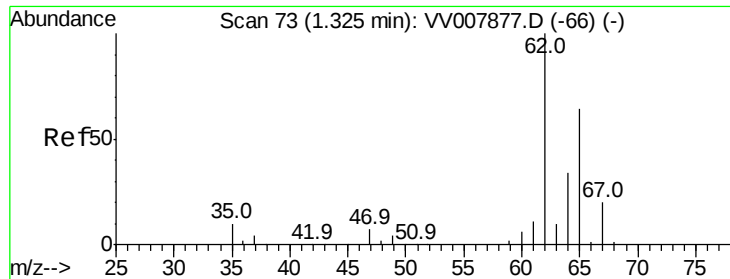
50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.154 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

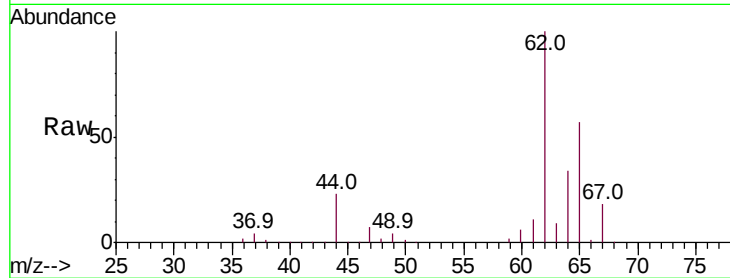
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 69001

Ion Ratio Lower Upper

62 100

64 34.0 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV007877.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007877.D (-66) (-)

1.33

60000

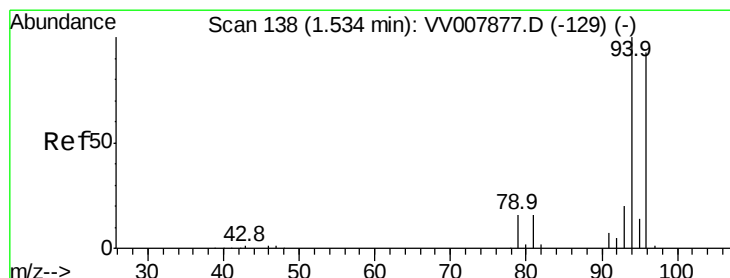
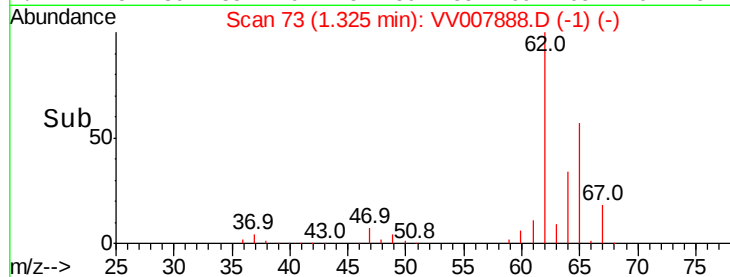
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 56.748 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV007888.D

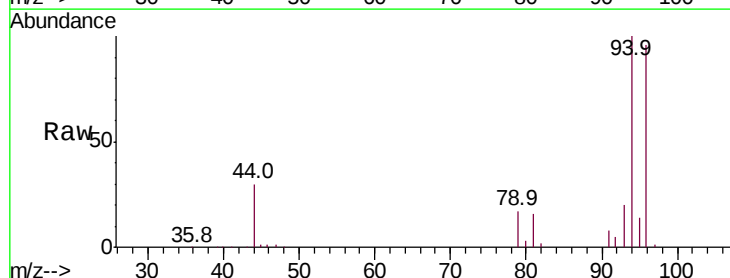
Acq: 26 Sep 2018 17:03

Tgt Ion: 94 Resp: 44115

Ion Ratio Lower Upper

94 100

96 96.3 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV007877.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV007877.D (-129) (-)

1.53

40000

30000

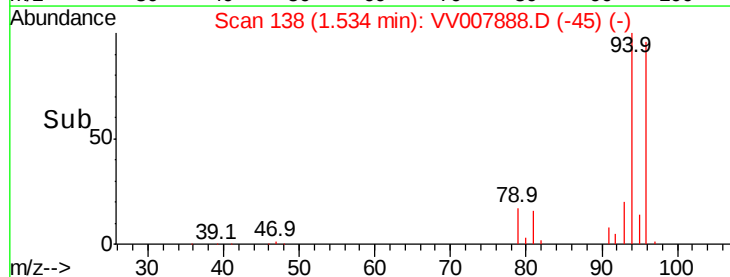
20000

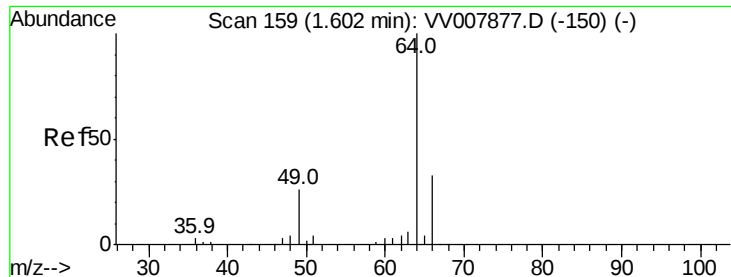
10000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 48.580 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

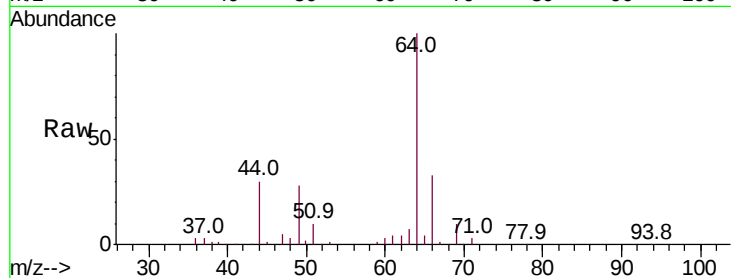
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 42536

Ion Ratio Lower Upper

64 100

66 33.3 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VV007877.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007877.D (-150) (-)

1.60

40000

30000

20000

10000

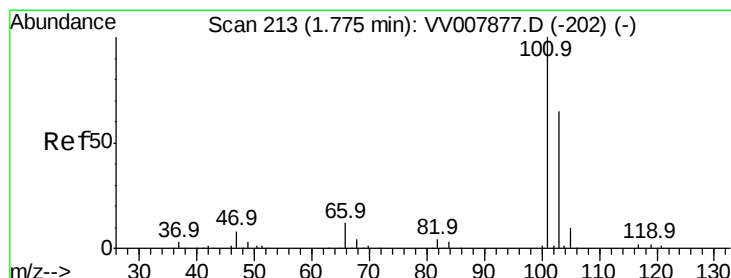
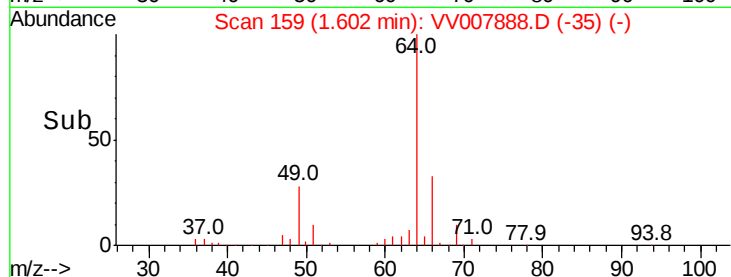
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 49.905 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007888.D

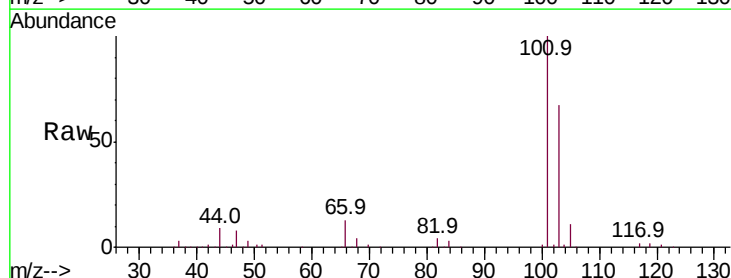
Acq: 26 Sep 2018 17:03

Tgt Ion:101 Resp: 117384

Ion Ratio Lower Upper

101 100

103 65.3 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VV007877.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007877.D (-202) (-)

1.77

100000

80000

60000

40000

20000

0

Time-->

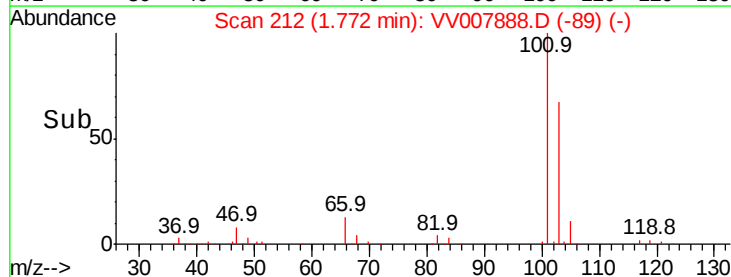
1.70

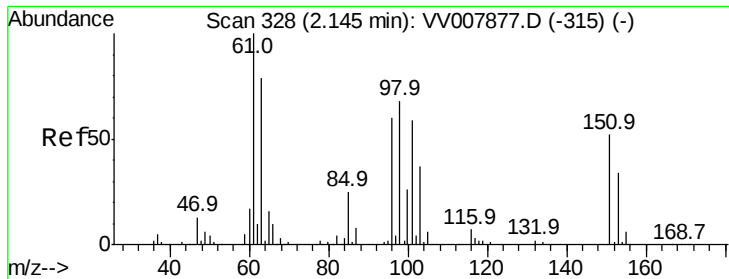
1.75

1.80

1.85

1.90





#10

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

Concen: 50.704 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

ClientSampled :

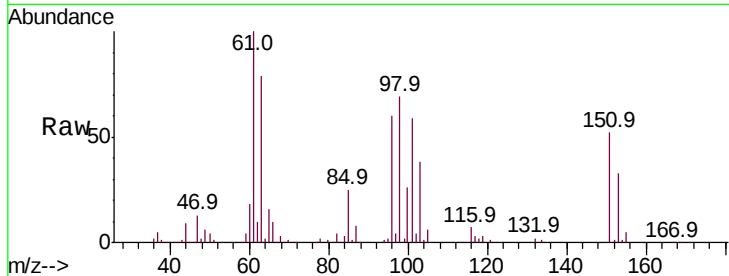
Tot Ion:101 Resp: 66652

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.2

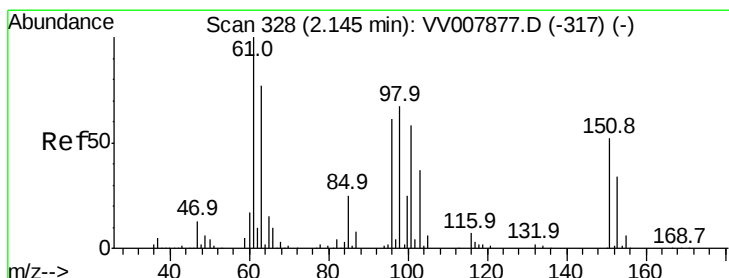
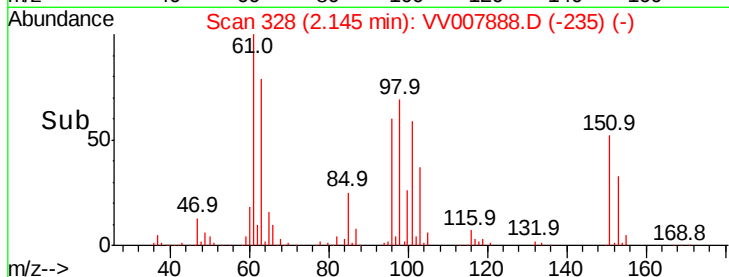
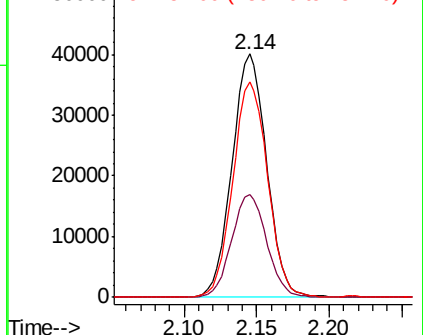
151 88.9 69.7 104.5



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: 49.408 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

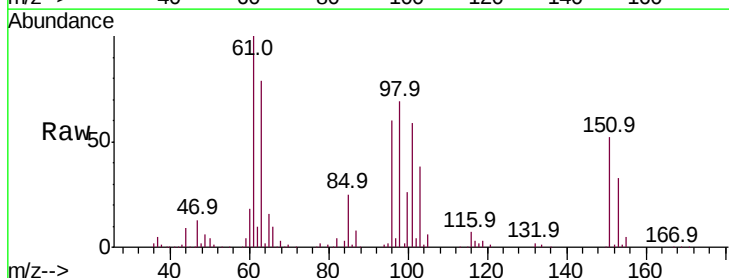
Tgt Ion: 96 Resp: 58285

Ion Ratio Lower Upper

96 100

61 166.2 116.1 215.7

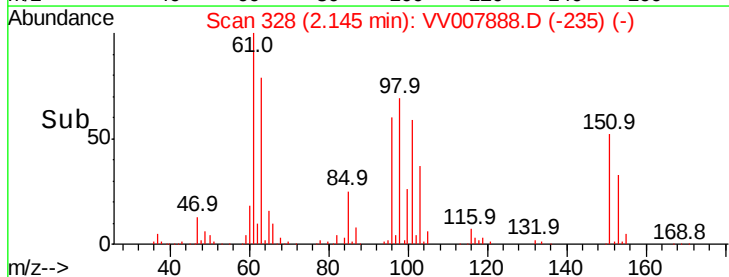
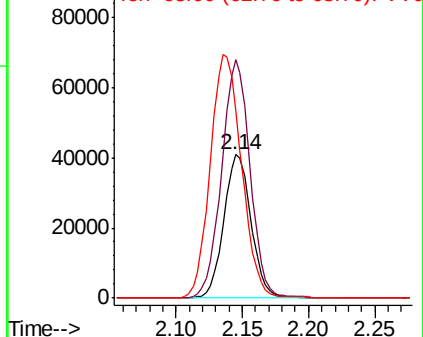
63 131.0 86.5 160.7

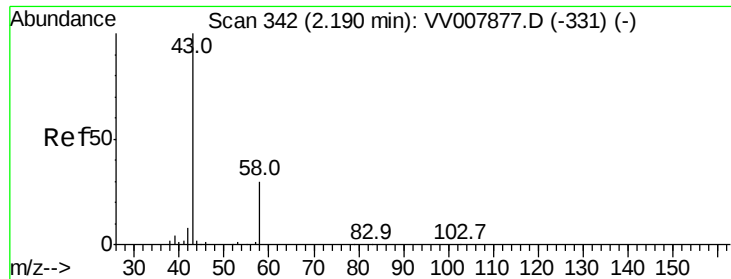


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 86.944 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

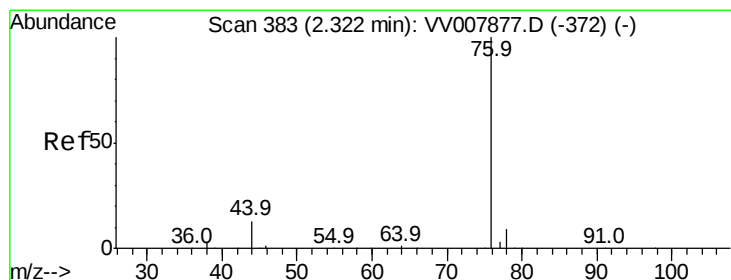
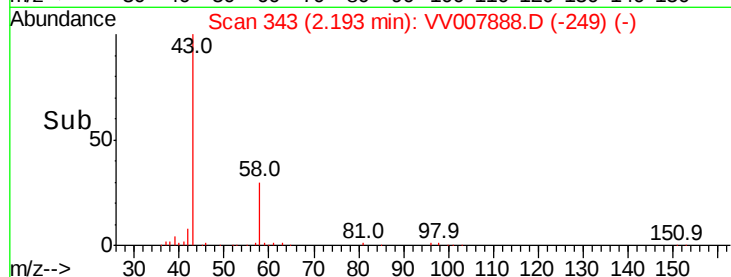
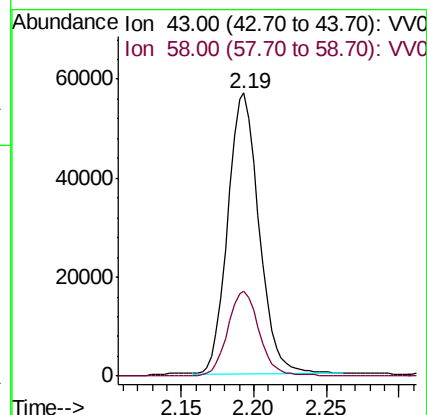
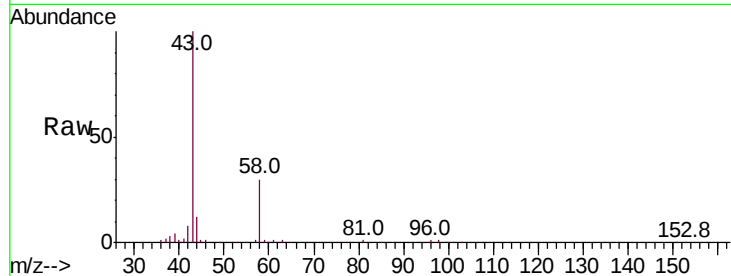
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 84845

Ion Ratio Lower Upper

43 100

58 30.2 0.0 59.4



#14

Carbon disulfide

Concen: 48.011 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007888.D

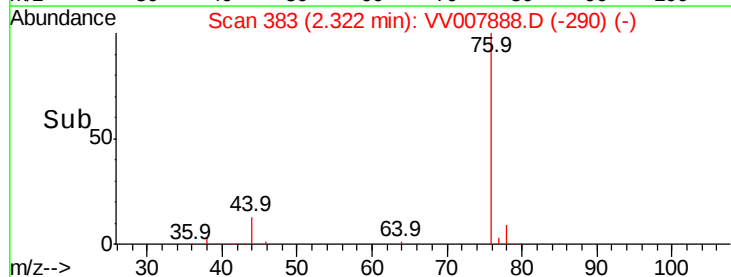
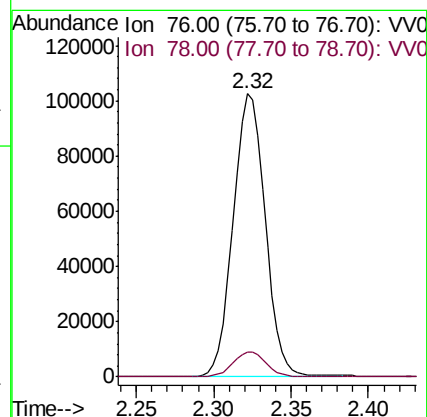
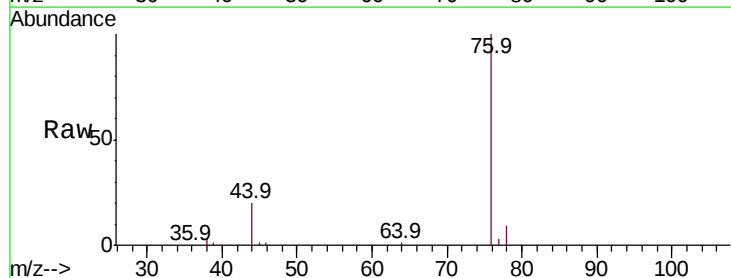
Acq: 26 Sep 2018 17:03

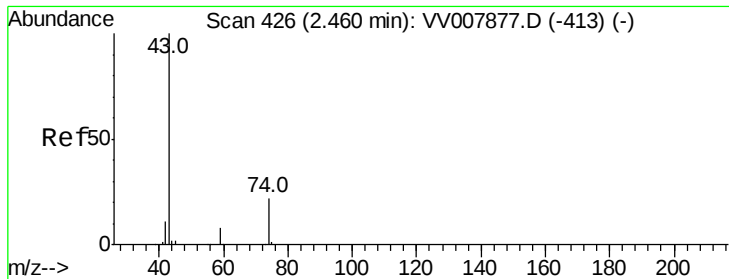
Tgt Ion: 76 Resp: 147765

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4





#15

Methyl Acetate

Concen: 52.643 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

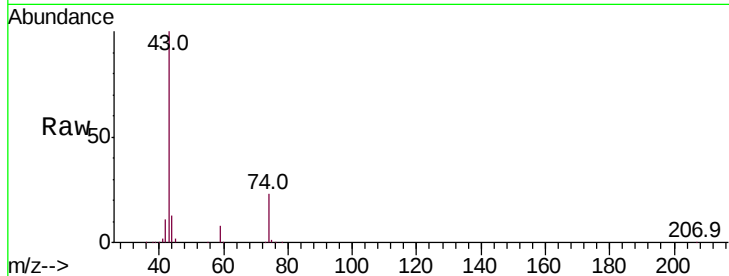
ClientSampleId :

Tot Ion: 43 Resp: 75361

Ion Ratio Lower Upper

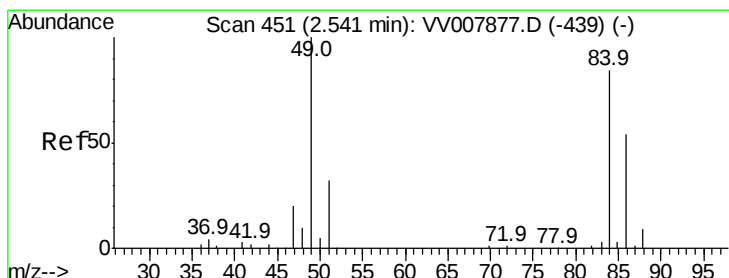
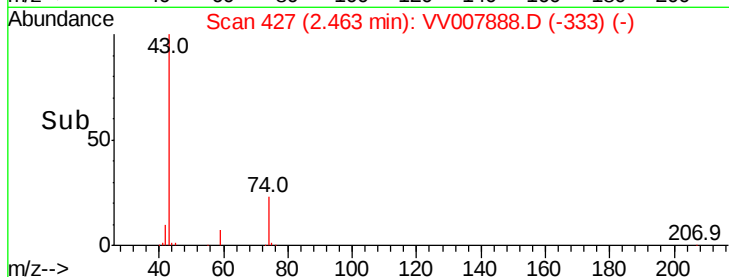
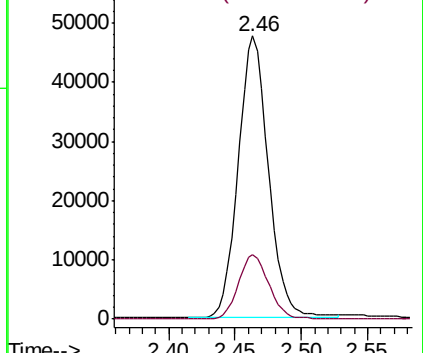
43 100

74 23.0 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV007877.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV007877.D (-413) (-)



#16

Methylene chloride

Concen: 50.294 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

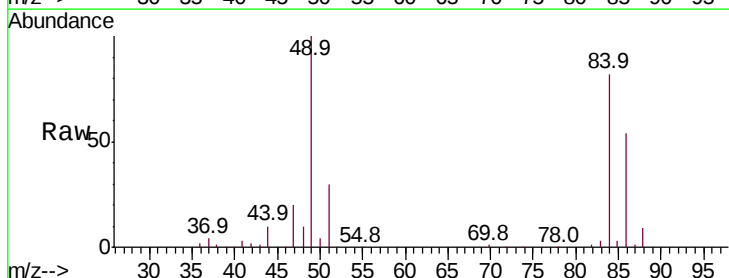
Tgt Ion: 84 Resp: 65654

Ion Ratio Lower Upper

84 100

86 65.3 44.4 82.4

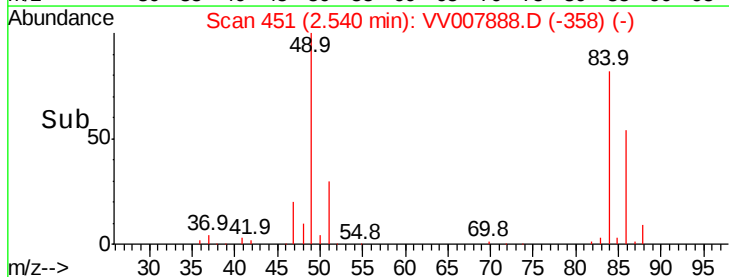
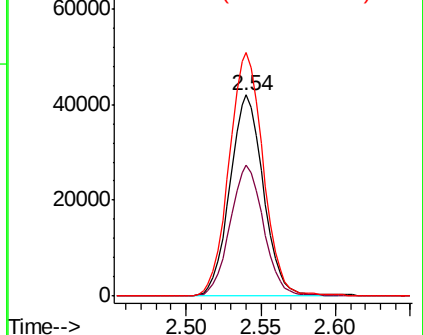
49 121.3 86.8 161.2

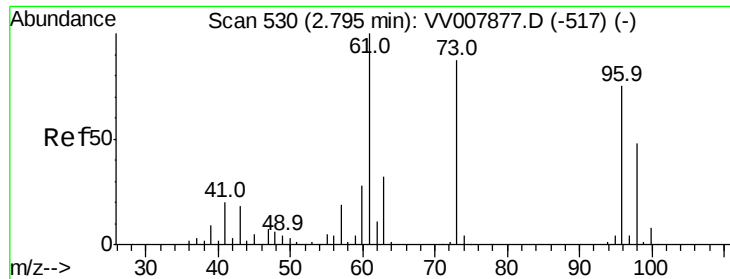


Abundance Ion 84.00 (83.70 to 84.70): VV007877.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV007877.D (-439) (-)

Ion 49.00 (48.70 to 49.70): VV007877.D (-439) (-)

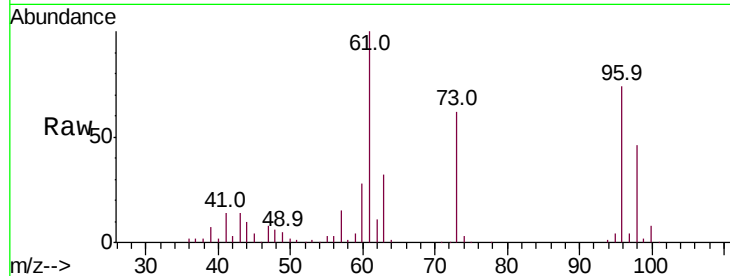




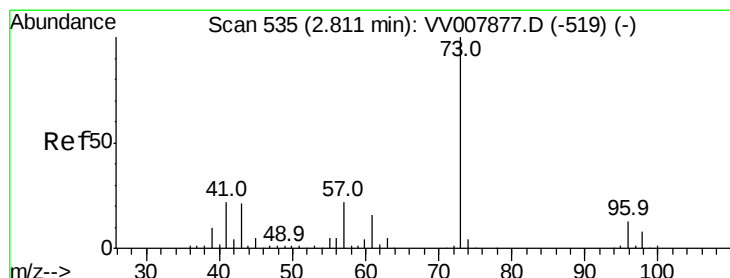
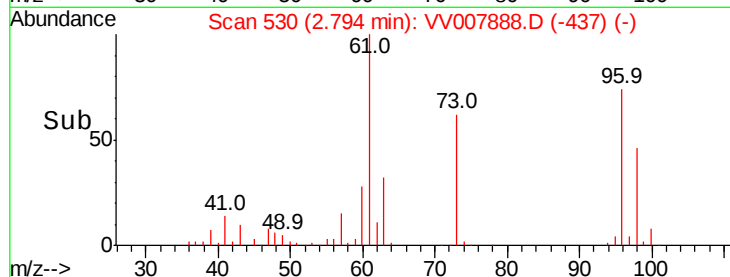
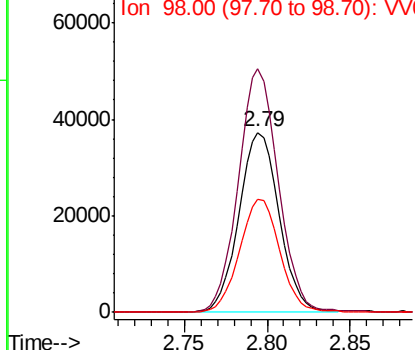
#17
trans-1,2-Dichloroethene
Concen: 49.907 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 62811
Ion Ratio Lower Upper
96 100
61 135.3 96.8 179.8
98 62.7 44.9 83.3

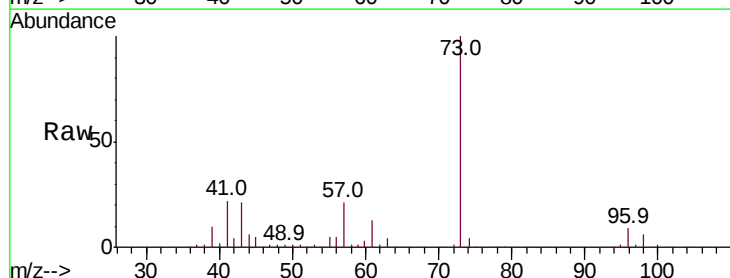


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

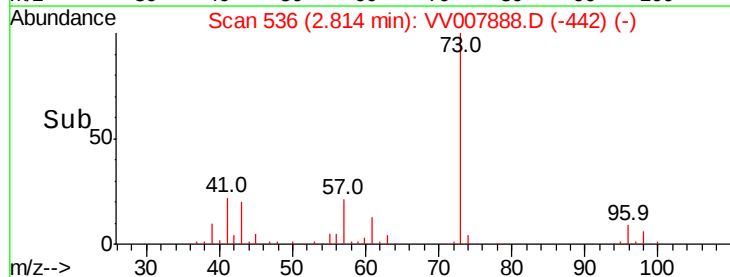
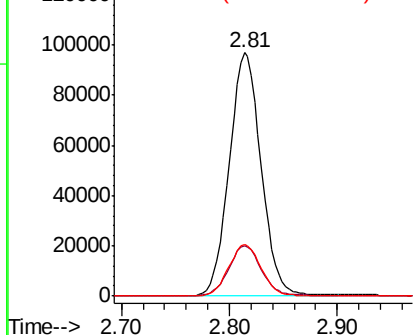


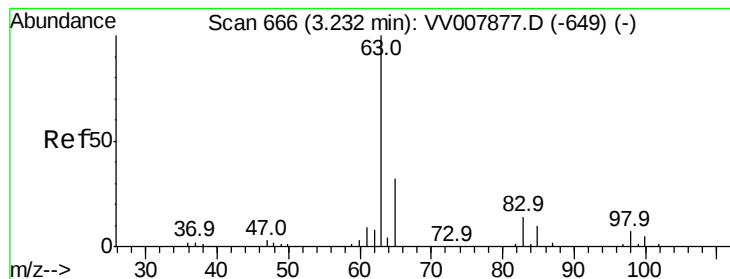
#18
Methyl tert-butyl Ether
Concen: 51.090 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion: 73 Resp: 200340
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 21.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.266 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampleId :

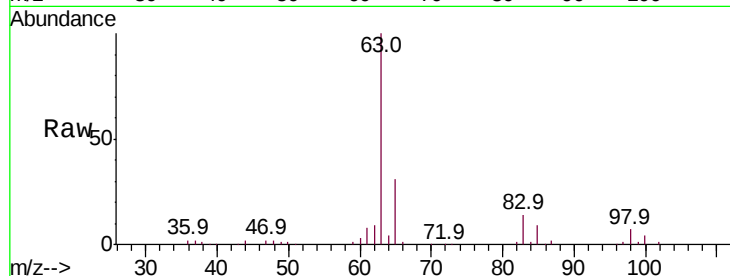
Tot Ion: 63 Resp: 110724

Ion Ratio Lower Upper

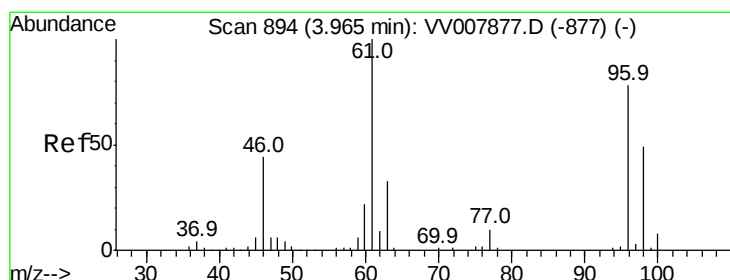
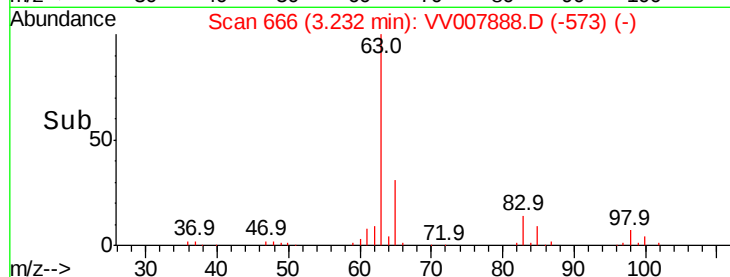
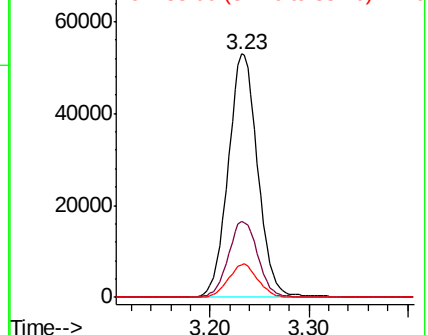
63 100

65 31.1 21.9 40.7

83 13.6 9.7 18.1



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



#20

cis-1,2-Dichloroethene

Concen: 50.140 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

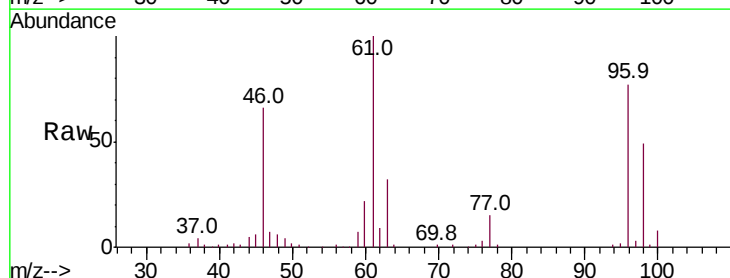
Tgt Ion: 96 Resp: 68375

Ion Ratio Lower Upper

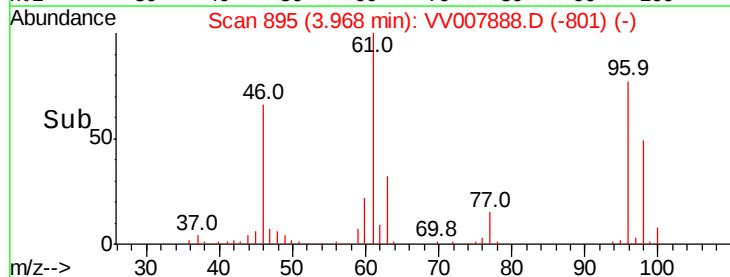
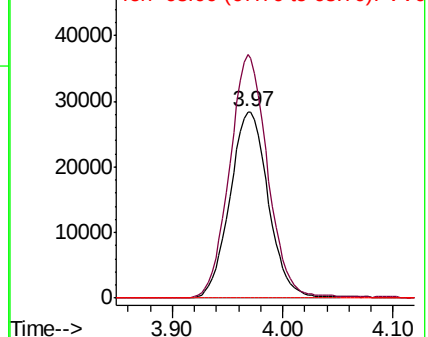
96 100

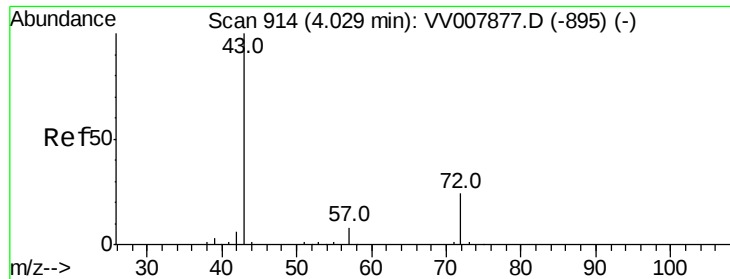
61 130.7 92.6 172.0

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 100.059 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

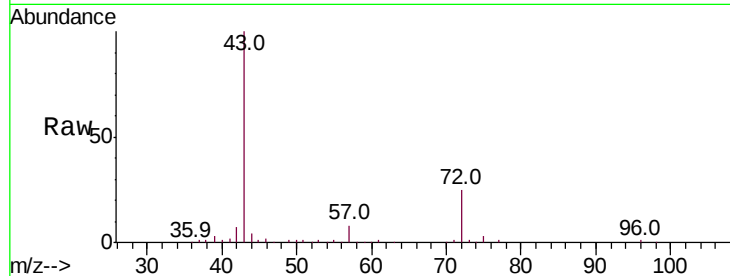
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 111890

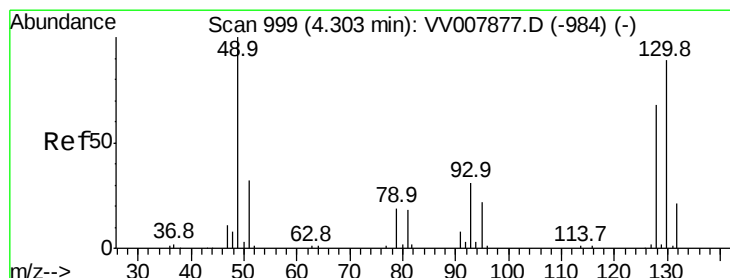
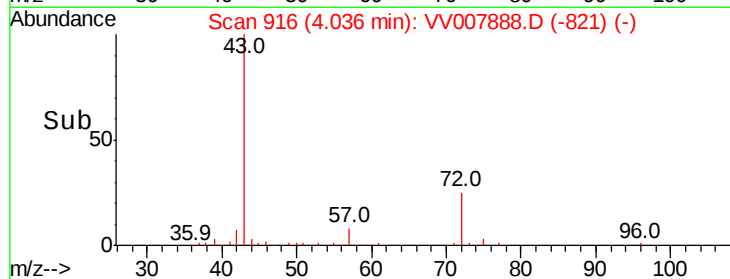
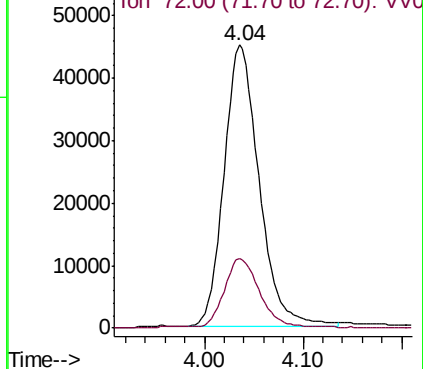
Ion Ratio Lower Upper

43 100

72 24.4 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV007877.D (-895) (-)



#23

Bromochloromethane

Concen: 51.745 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Tgt Ion:128 Resp: 36713

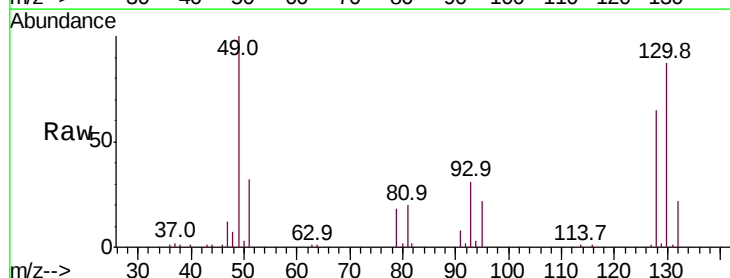
Ion Ratio Lower Upper

128 100

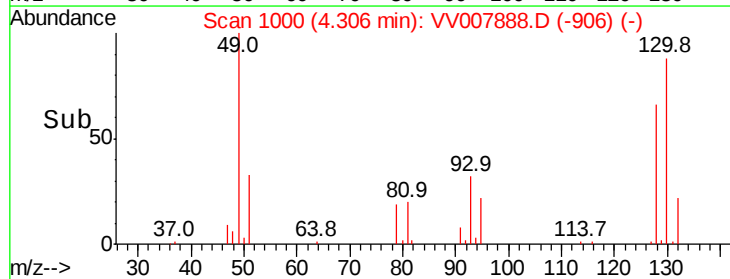
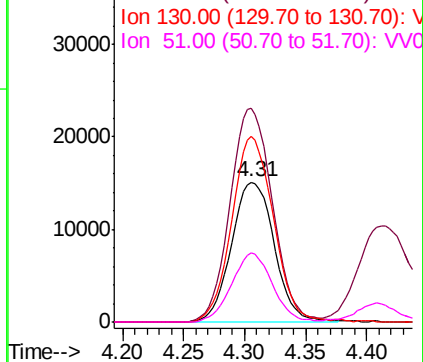
49 152.9 107.7 199.9

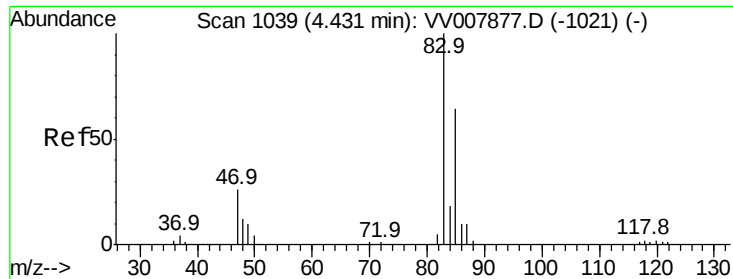
130 132.8 91.1 169.1

51 49.5 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VV007877.D (-984) (-)

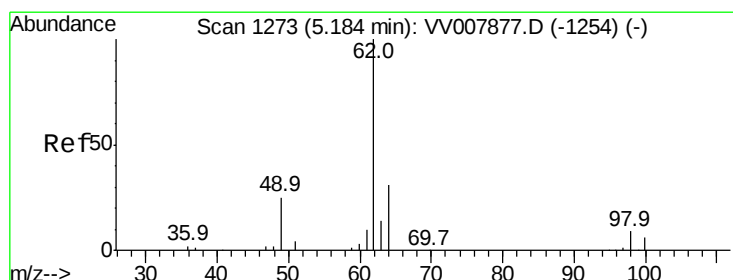
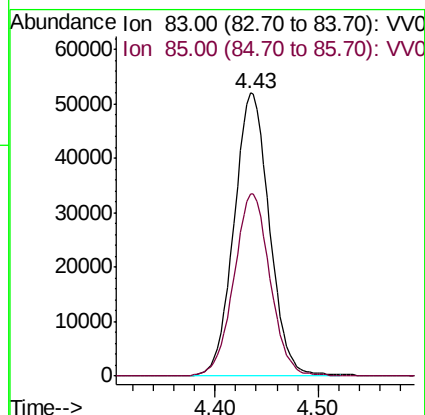
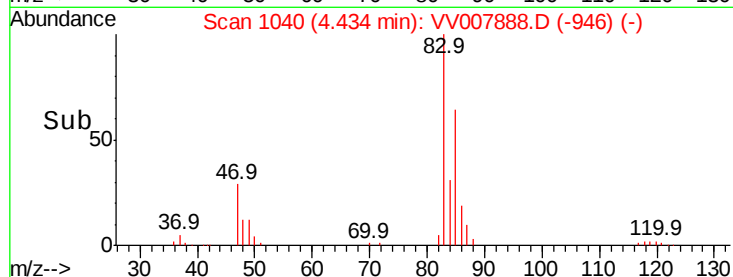
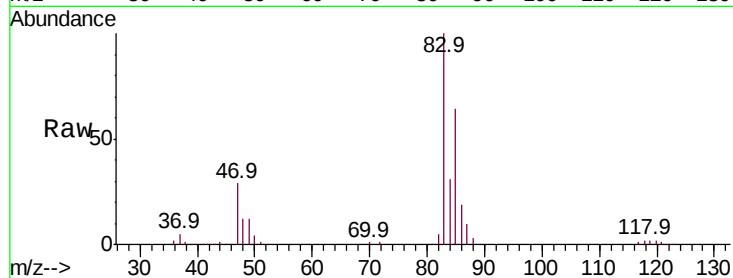




#25
Chloroform
Concen: 48.478 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

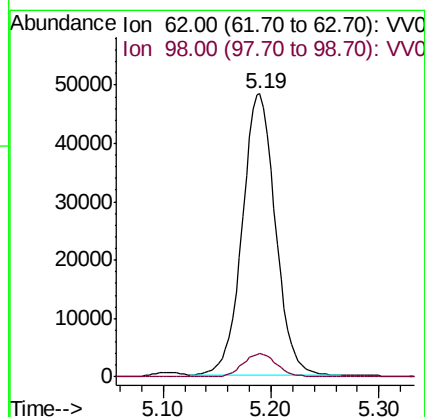
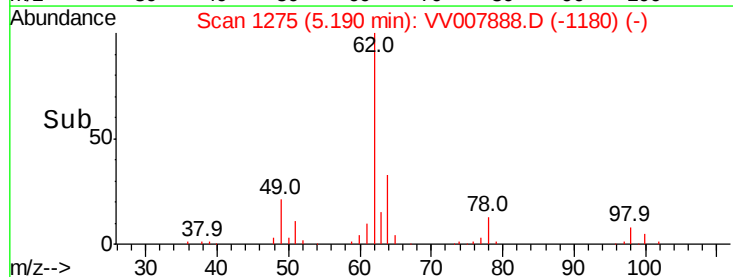
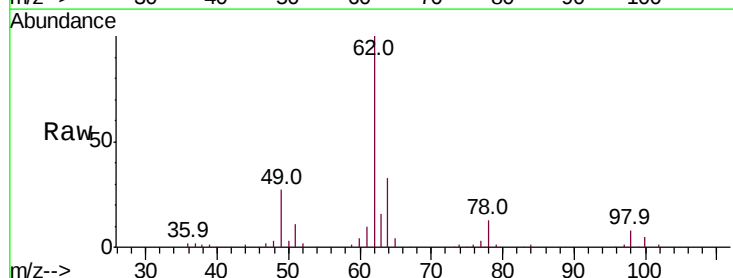
Instrument :
MSVOA_V
ClientSampled :

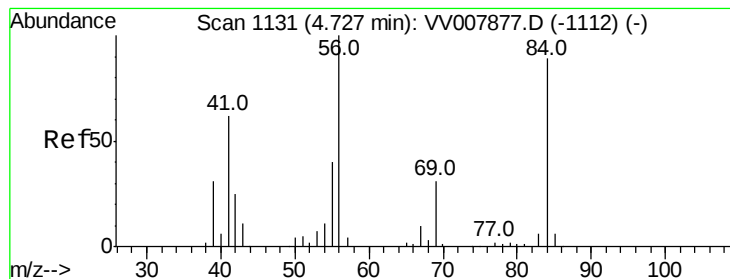
Tot Ion: 83 Resp: 124269
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 50.519 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion: 62 Resp: 102638
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4





#29

Cvclohexane

Concen: 48.555 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampleId :

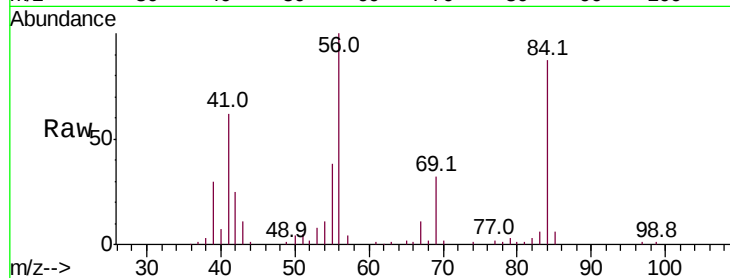
Tot Ion: 56 Resp: 99032

Ion Ratio Lower Upper

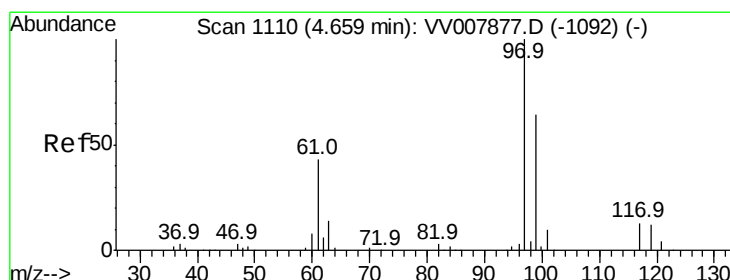
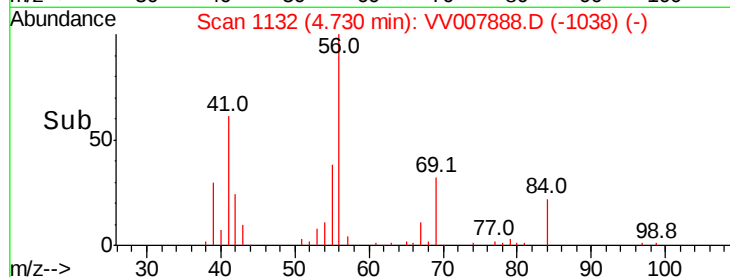
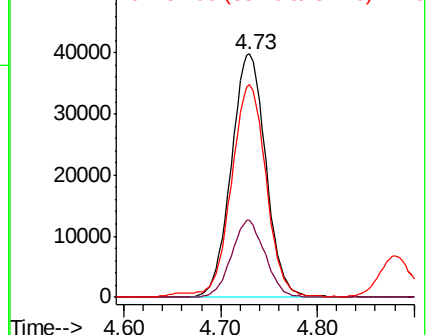
56 100

69 30.8 24.1 36.1

84 87.7 68.2 102.4



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



#30

1,1,1-Trichloroethane

Concen: 50.530 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

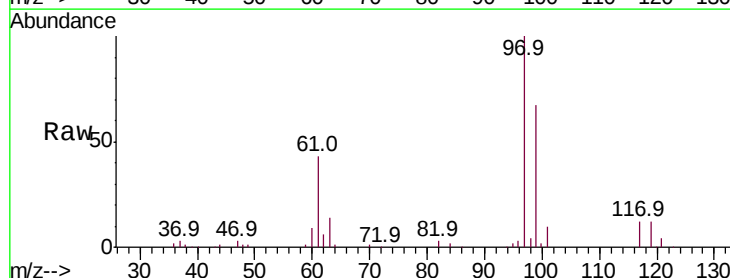
Tgt Ion: 97 Resp: 109150

Ion Ratio Lower Upper

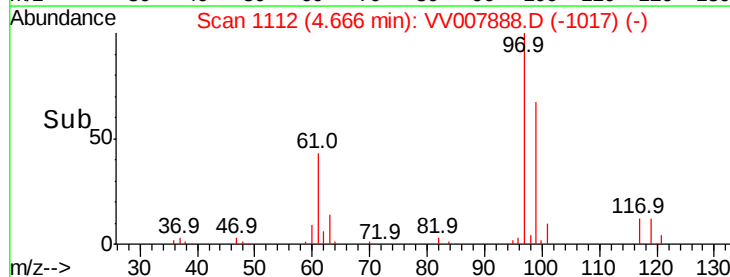
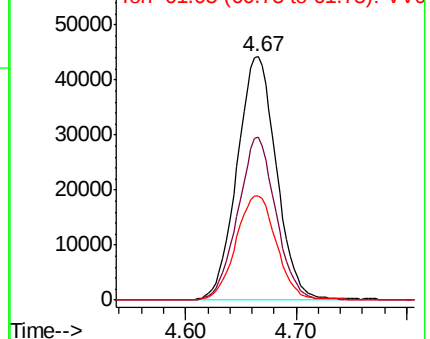
97 100

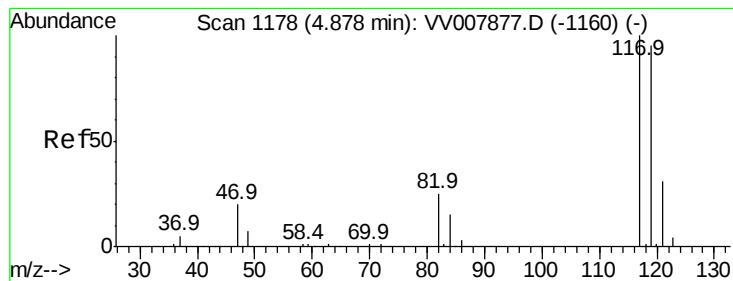
99 64.5 51.0 76.6

61 44.1 35.0 52.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.593 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

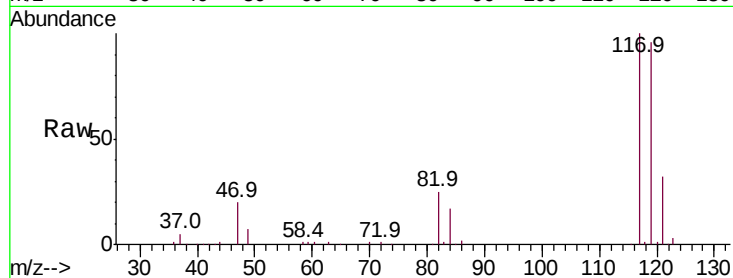
ClientSampleId :

Tot Ion:117 Resp: 96554

Ion Ratio Lower Upper

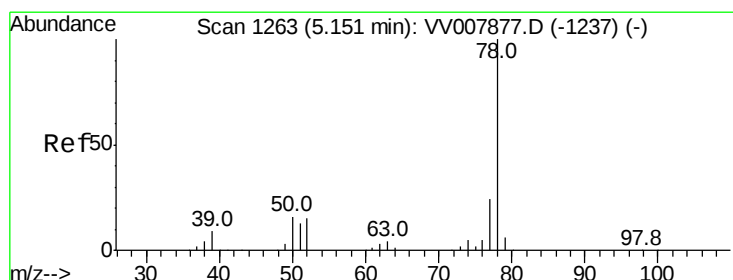
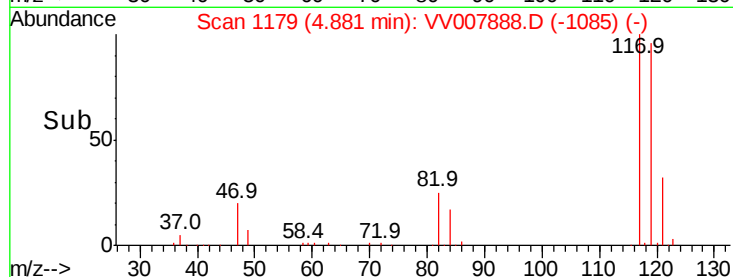
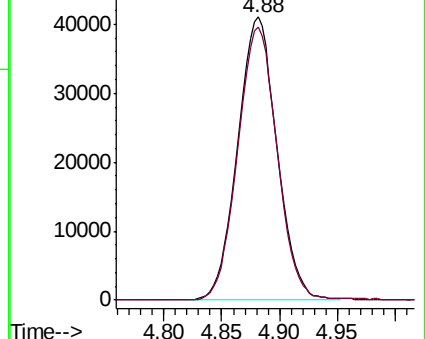
117 100

119 96.6 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.179 ug/L

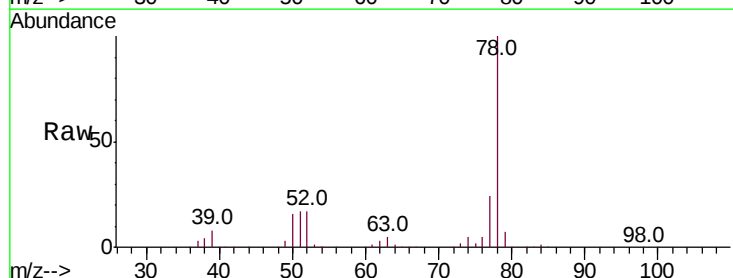
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

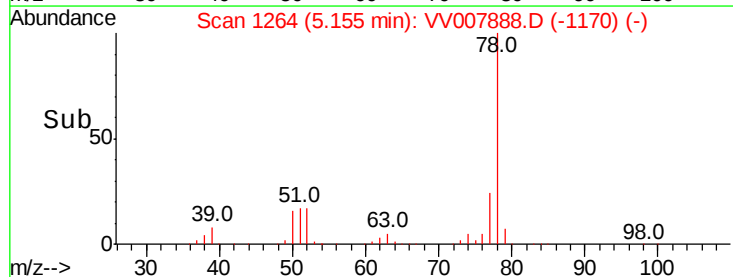
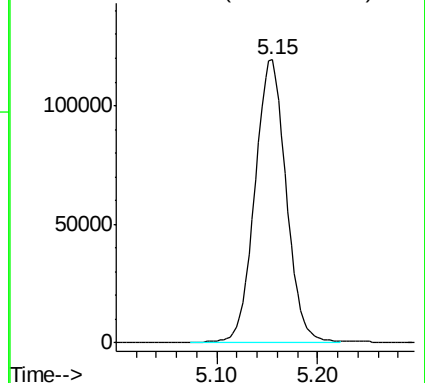
Lab File: VV007888.D

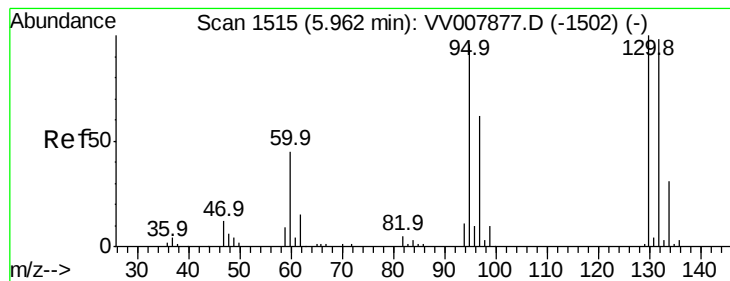
Acq: 26 Sep 2018 17:03

Tgt Ion: 78 Resp: 257345



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.696 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 69276

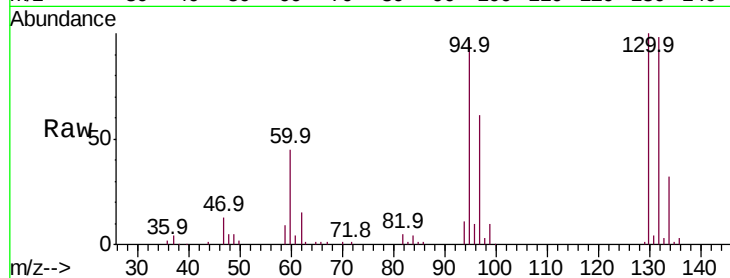
Ion Ratio Lower Upper

95 100

97 63.0 45.4 84.2

132 100.7 72.2 134.0

130 103.3 75.5 140.3

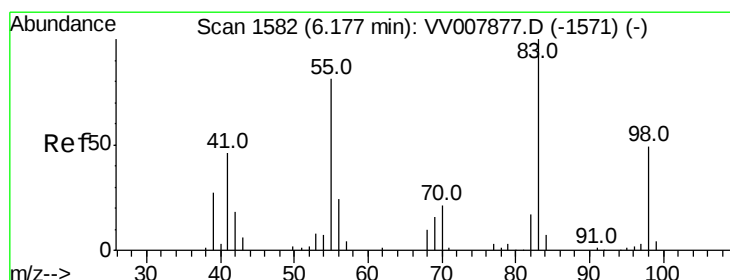
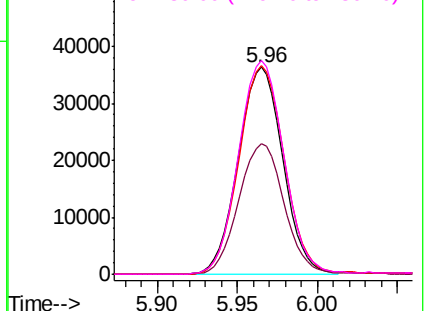
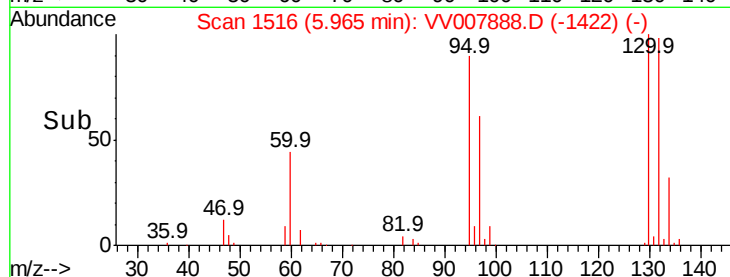


Abundance Ion 95.00 (94.70 to 95.70): VV007877.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV007877.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV007877.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV007877.D (-1502) (-)



#35

Methylcyclohexane

Concen: 50.423 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

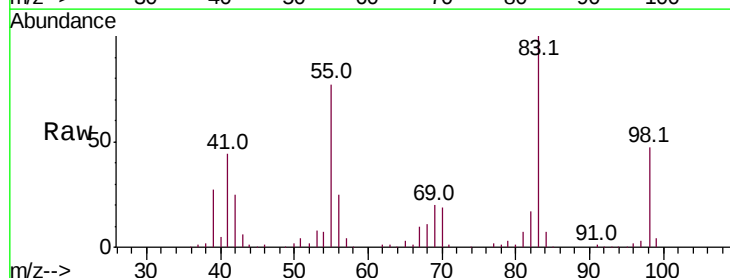
Tgt Ion: 83 Resp: 112537

Ion Ratio Lower Upper

83 100

55 76.2 62.6 94.0

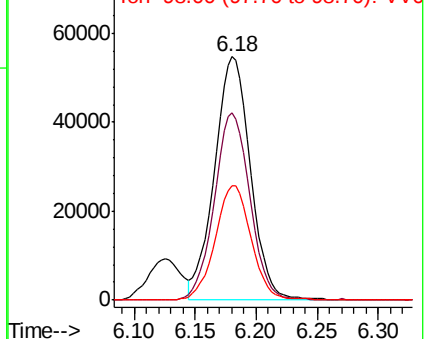
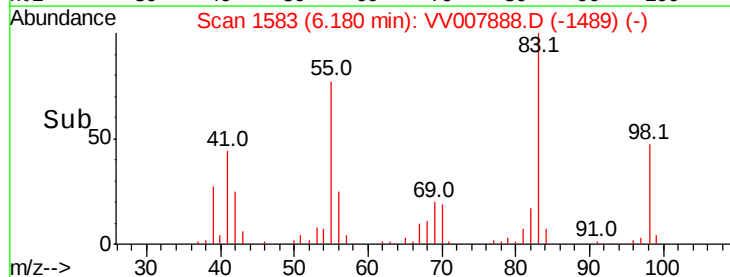
98 47.3 37.6 56.4

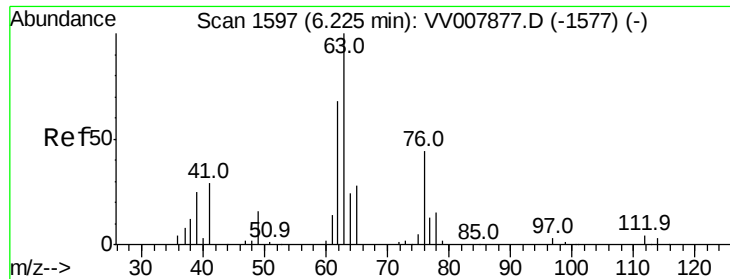


Abundance Ion 83.00 (82.70 to 83.70): VV007877.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV007877.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV007877.D (-1571) (-)

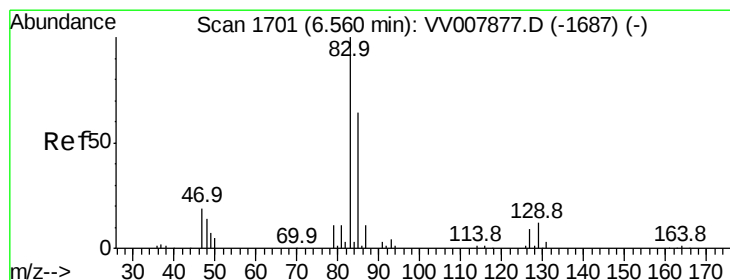
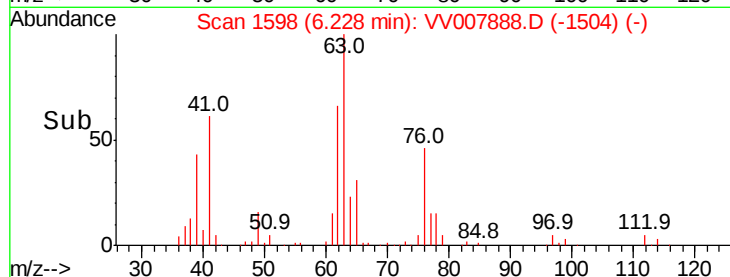
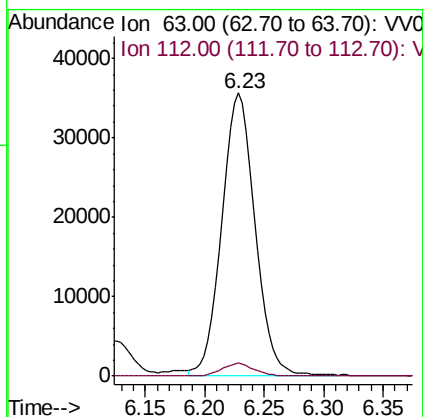
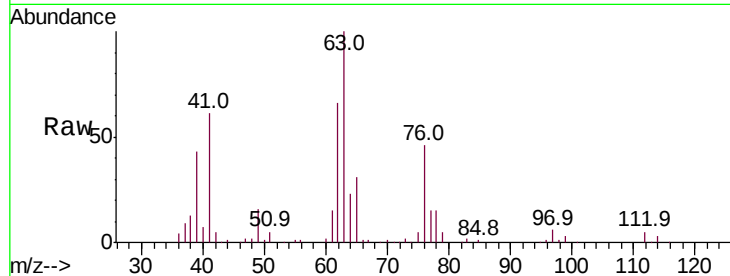




#37
 1,2-Dichloropropane
 Concen: 50.187 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

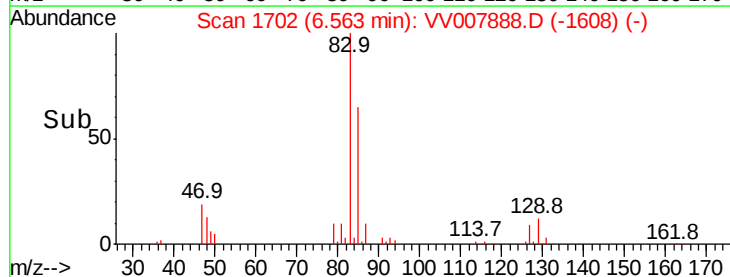
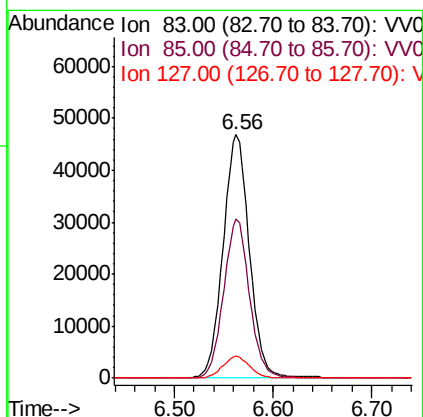
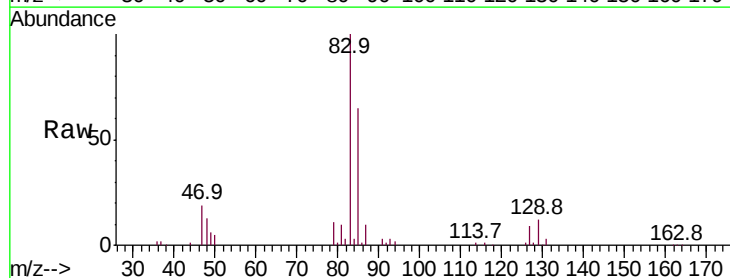
Instrument :
 MSVOA_V
 ClientSampleId :

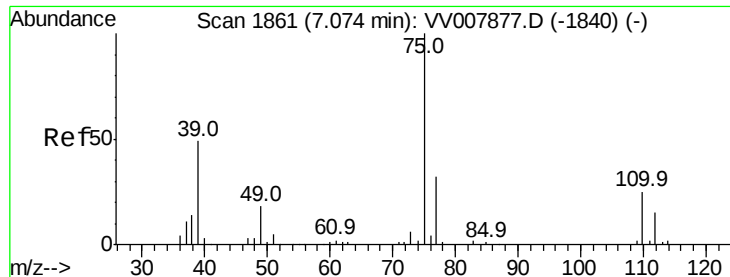
Tot Ion: 63 Resp: 68641
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.645 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

Tgt Ion: 83 Resp: 87667
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.9 83.3
 127 8.9 7.4 11.2



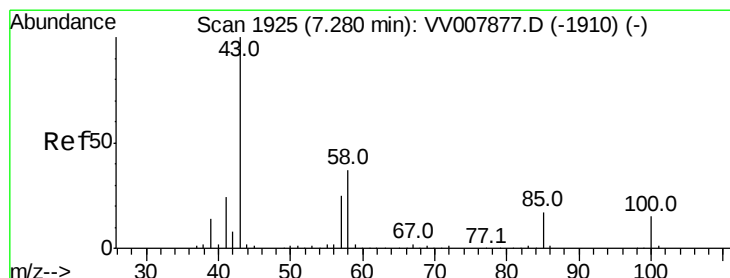
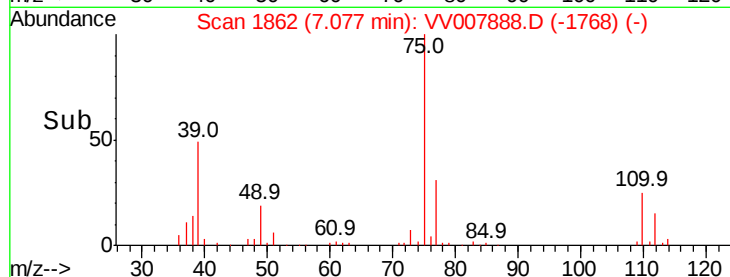
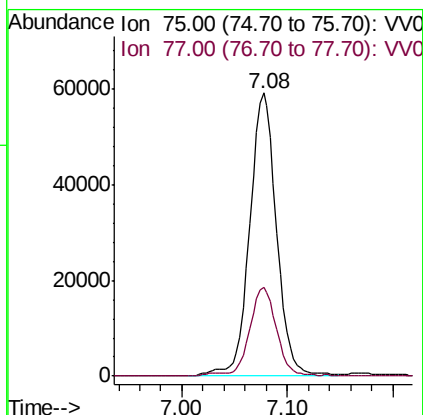
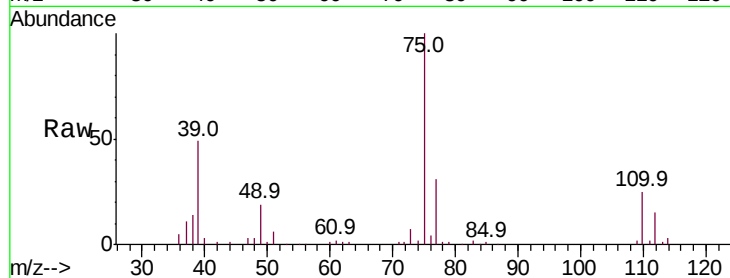


#39

cis-1,3-Dichloropropene
Concen: 53.169 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampleId :

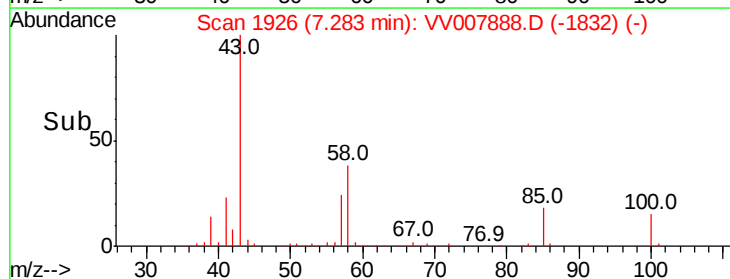
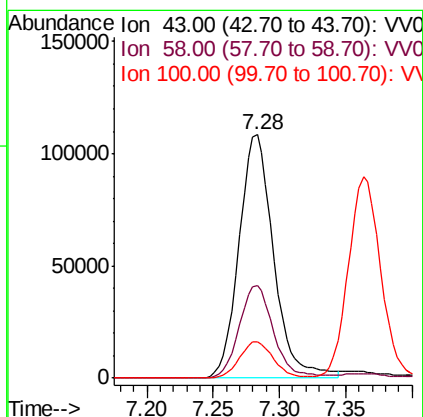
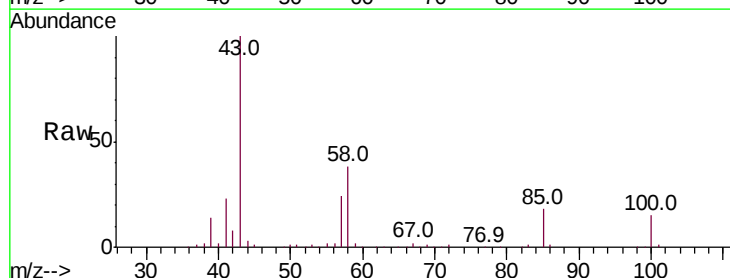
Tot Ion: 75 Resp: 105572
Ion Ratio Lower Upper
75 100
77 31.3 22.8 42.4

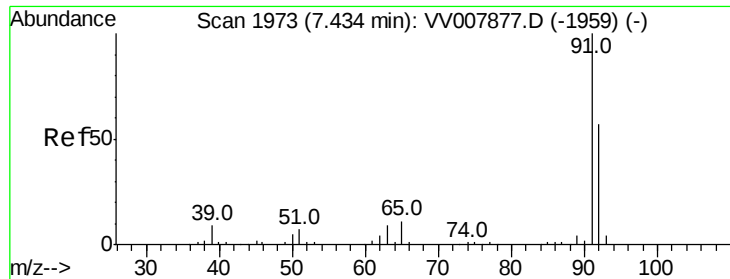


#40

4-Methyl-2-pentanone
Concen: 102.320 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion: 43 Resp: 197762
Ion Ratio Lower Upper
43 100
58 37.5 29.3 43.9
100 14.5 11.0 16.4





#42

Toluene

Concen: 50.579 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

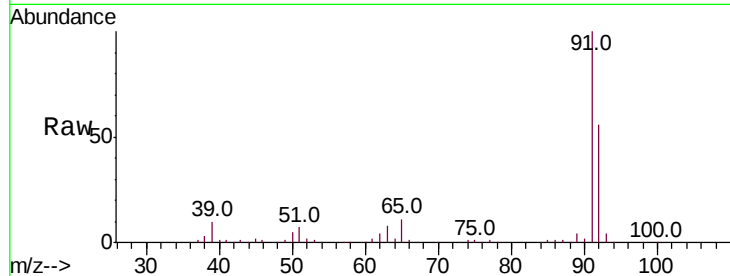
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 292257

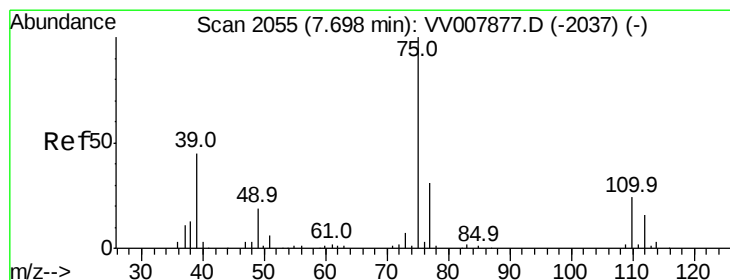
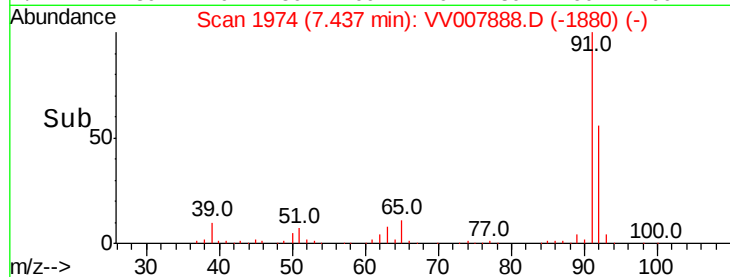
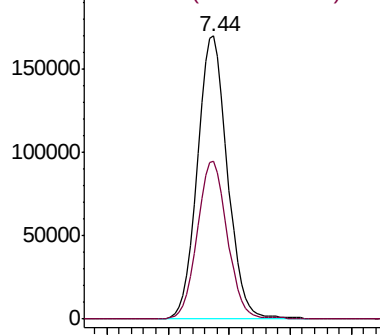
Ion Ratio Lower Upper

91 100

92 55.9 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 51.084 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007888.D

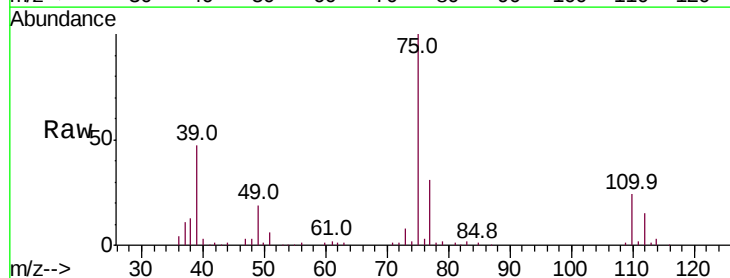
Acq: 26 Sep 2018 17:03

Tgt Ion: 75 Resp: 100814

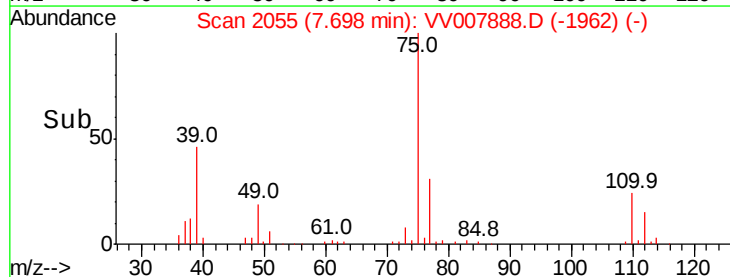
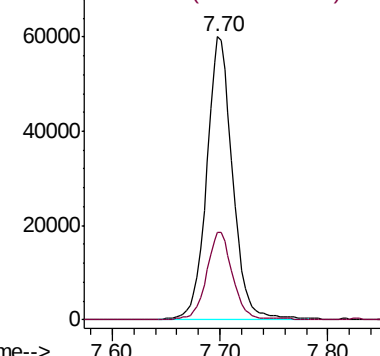
Ion Ratio Lower Upper

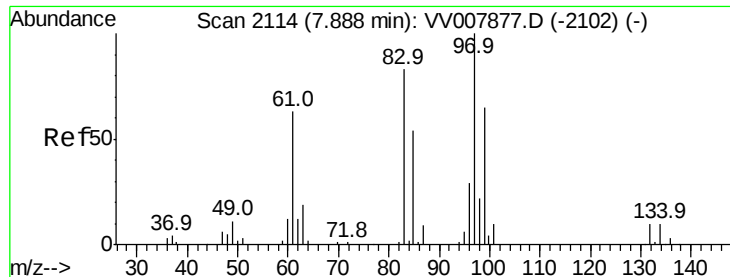
75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

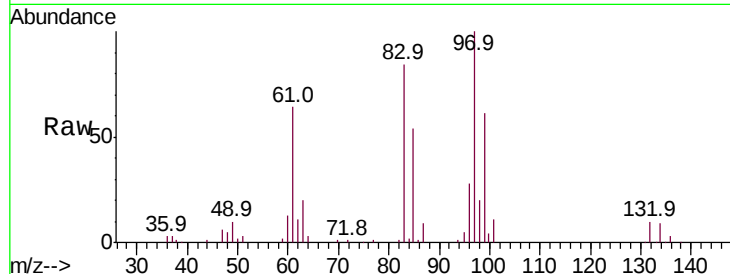




#45
1,1,2-Trichloroethane
Concen: 49.945 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	68264
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.7	81.1
83	84.4	59.6	110.8
85	54.2	37.7	70.1



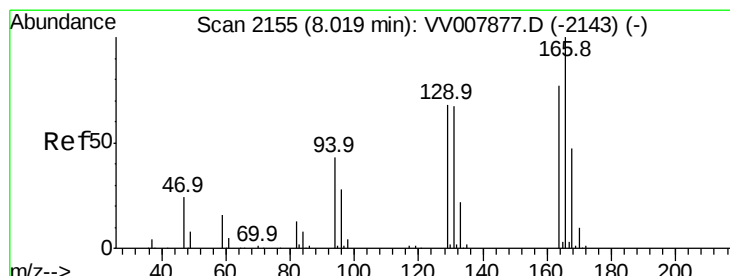
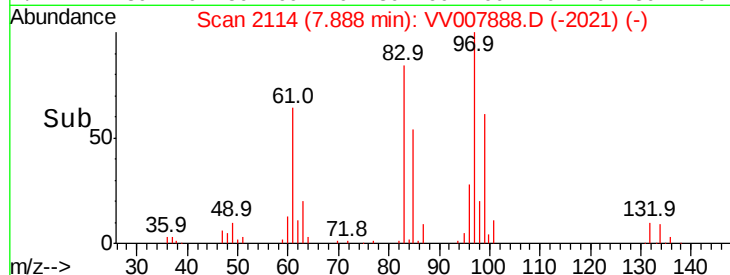
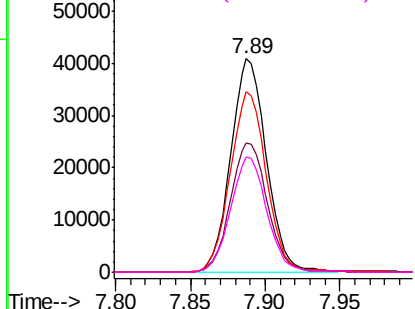
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

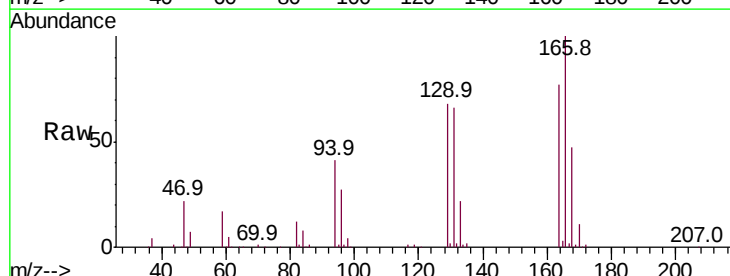
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 48.376 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion:	164	Resp:	66131
Ion	Ratio	Lower	Upper
164	100		
129	88.4	60.9	113.1
131	85.5	58.8	109.2
166	129.3	88.8	164.8



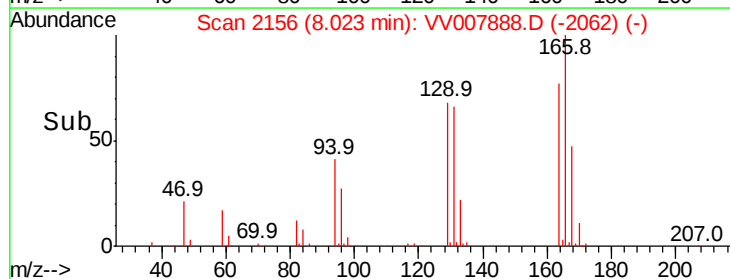
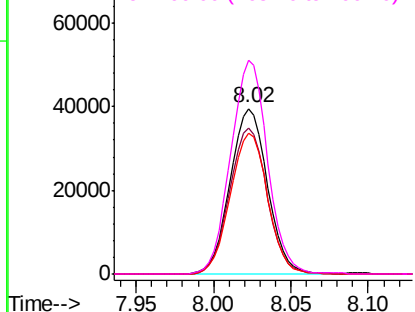
Abundance

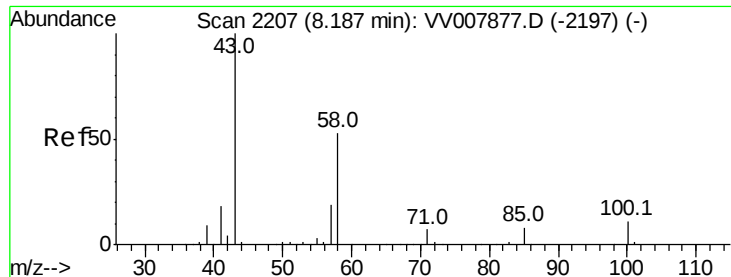
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

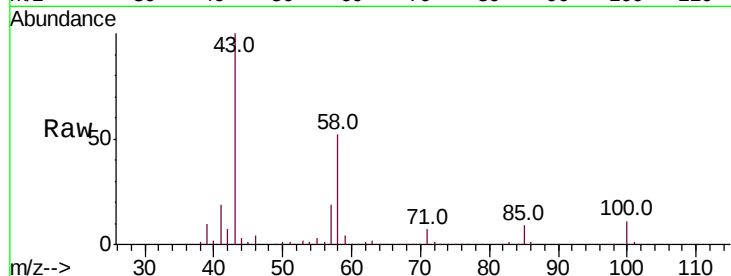




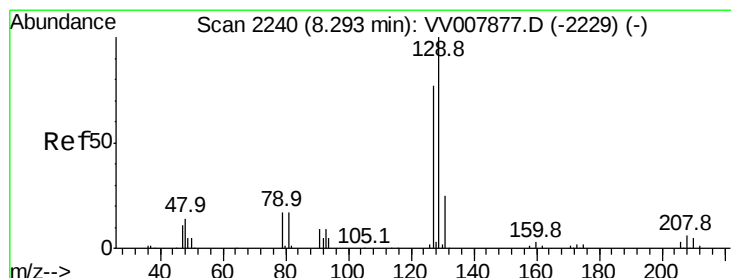
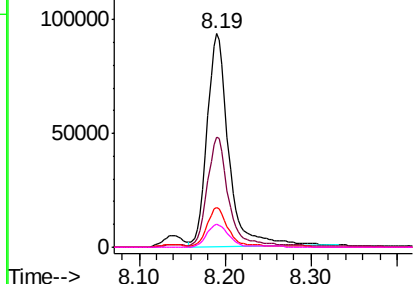
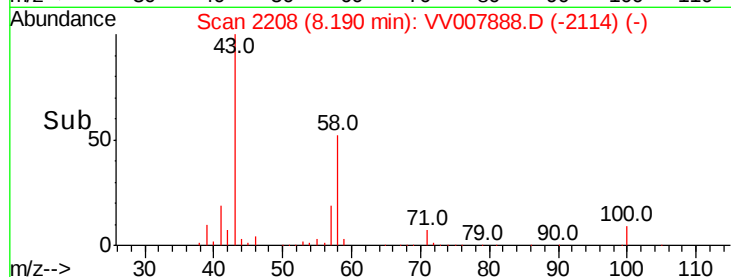
#48
2-Hexanone
Concen: 107.855 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 164760
Ion Ratio Lower Upper
43 100
58 49.9 41.1 61.7
57 16.8 14.3 21.5
100 11.1 9.9 14.9

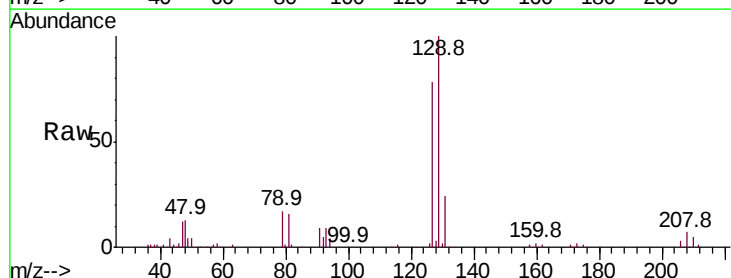


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

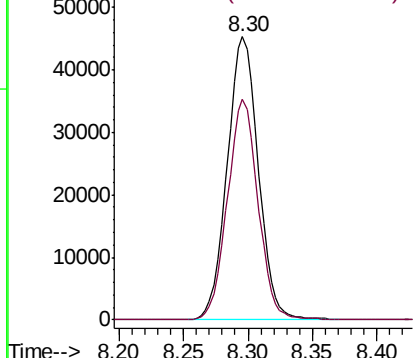
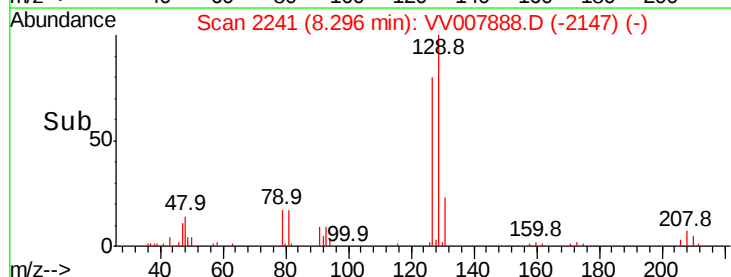


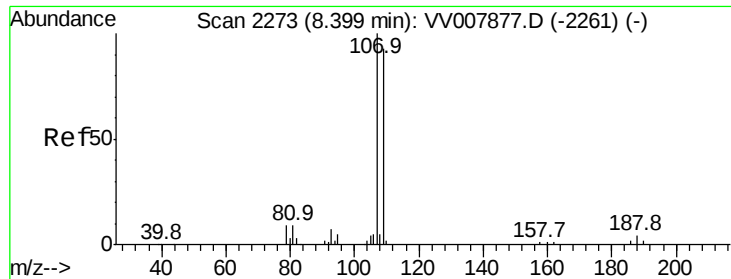
#49
Dibromochloromethane
Concen: 50.807 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion: 129 Resp: 75930
Ion Ratio Lower Upper
129 100
127 78.0 55.5 103.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

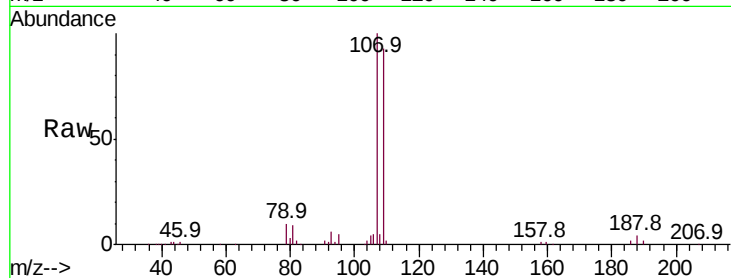




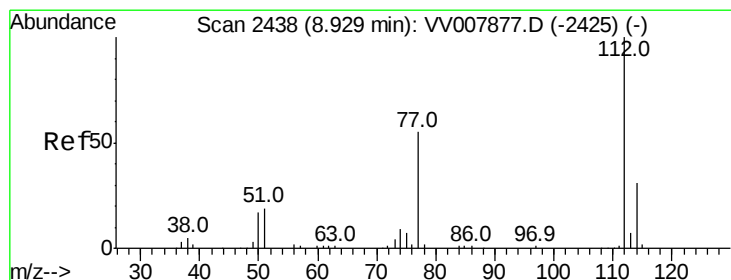
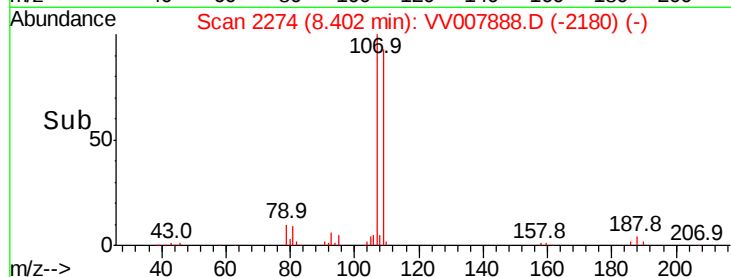
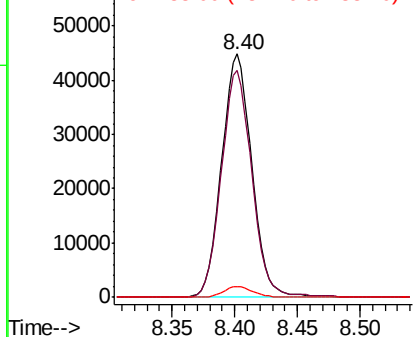
#50
1,2-Dibromoethane
Concen: 51.033 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:107 Resp: 75000
Ion Ratio Lower Upper
107 100
109 93.0 65.3 121.3
188 4.3 3.5 5.3

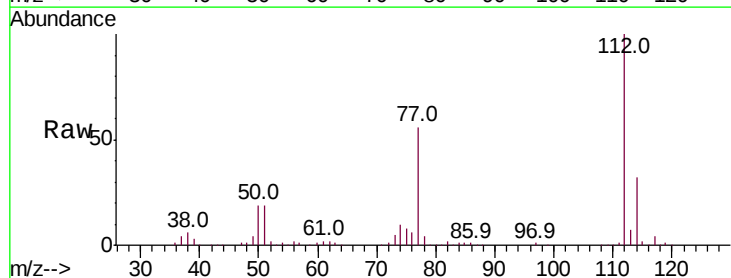


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

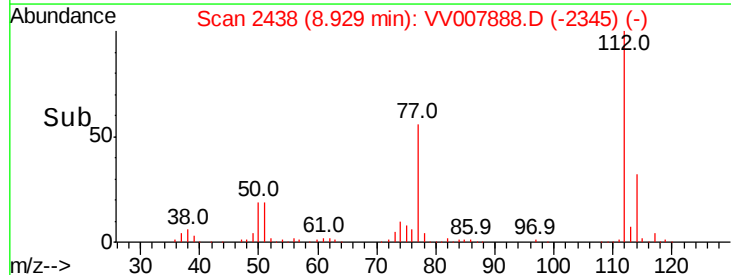
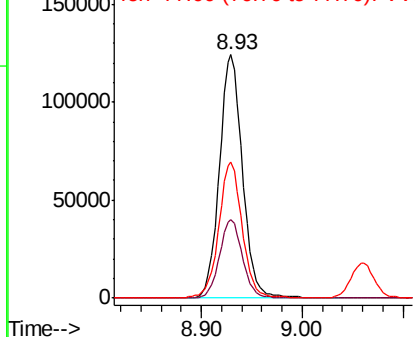


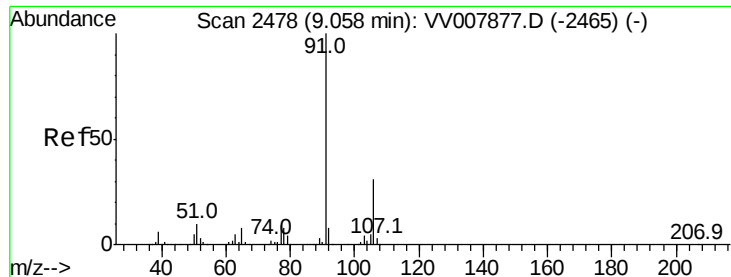
#51
Chlorobenzene
Concen: 49.672 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion:112 Resp: 198662
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 56.1 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

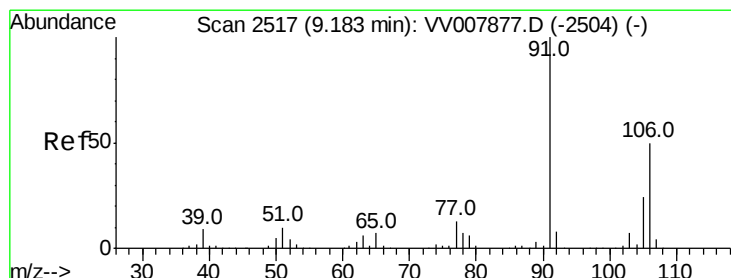
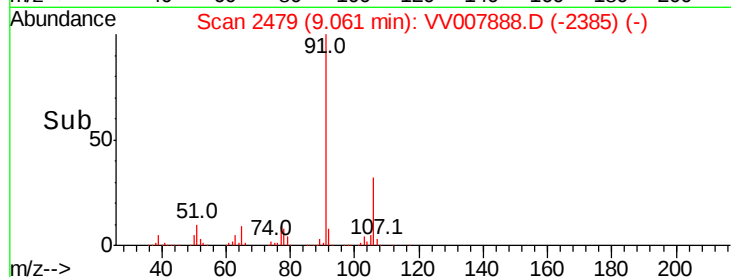
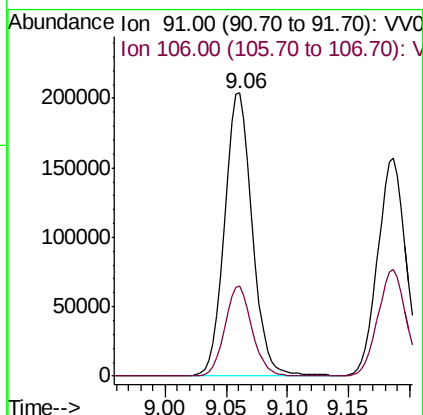
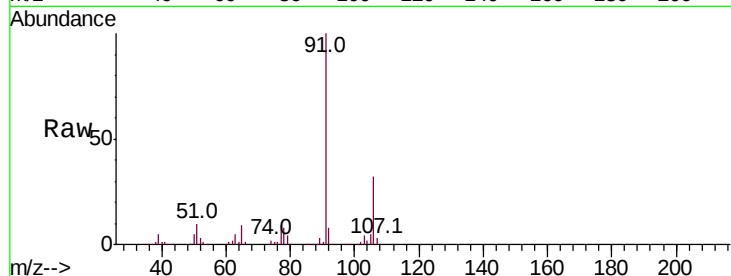




#52
Ethylbenzene
Concen: 50.036 ug/L
RT: 9.06 min Scan# 2479
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

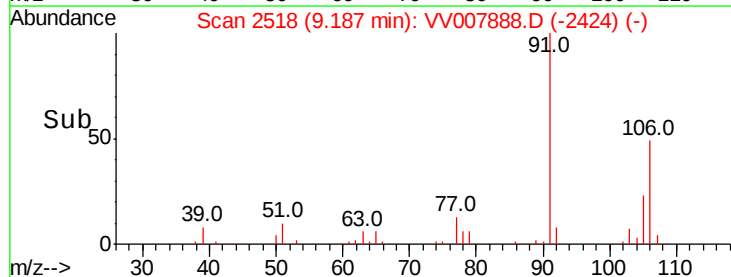
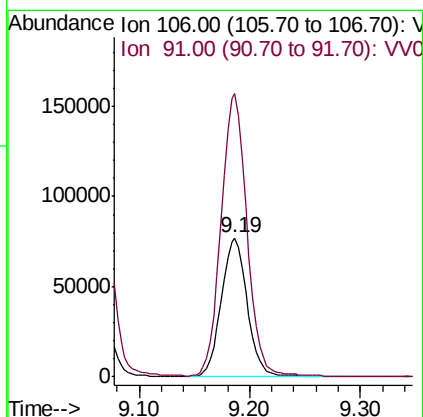
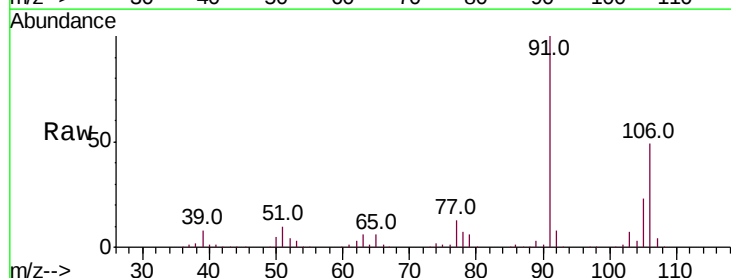
Instrument :
MSVOA_V
ClientSampled :

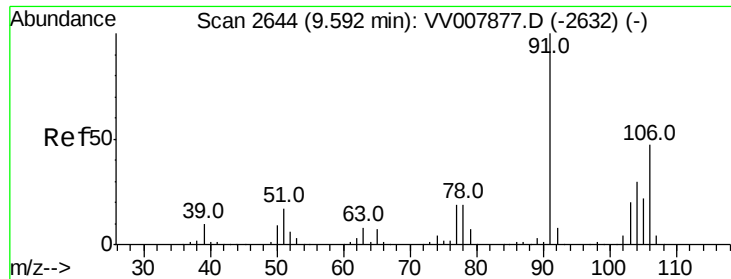
Tot Ion: 91 Resp: 326586
Ion Ratio Lower Upper
91 100
106 31.7 21.9 40.7



#53
m,p-Xylene
Concen: 50.502 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV007888.D
Acq: 26 Sep 2018 17:03

Tgt Ion: 106 Resp: 125586
Ion Ratio Lower Upper
106 100
91 203.9 142.3 264.3





#54

o-xylene

Concen: 50.437 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

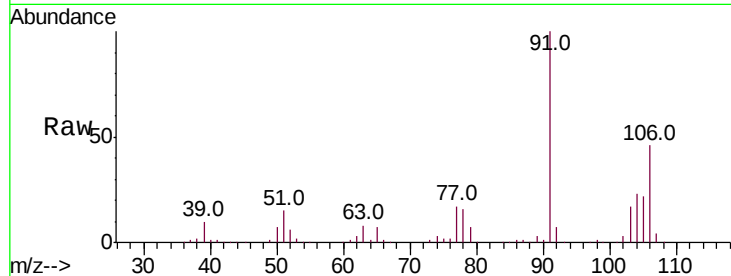
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 121838

Ion Ratio Lower Upper

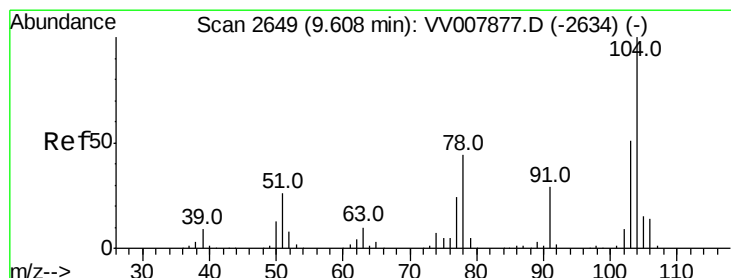
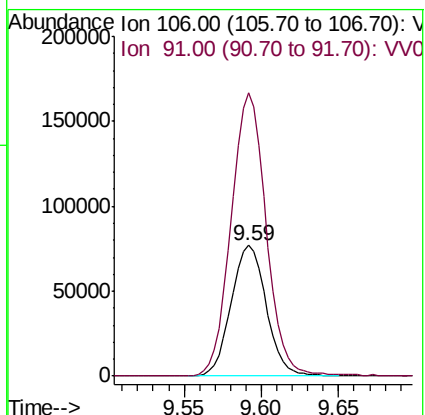
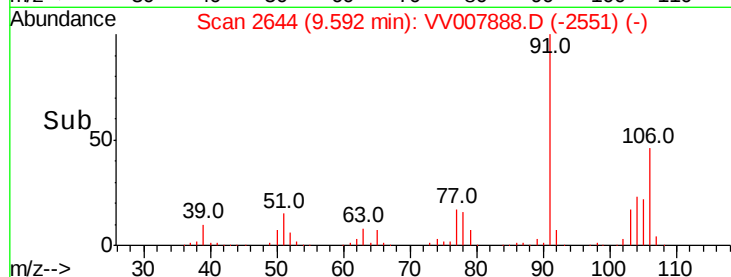
106 100

91 216.1 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.389 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007888.D

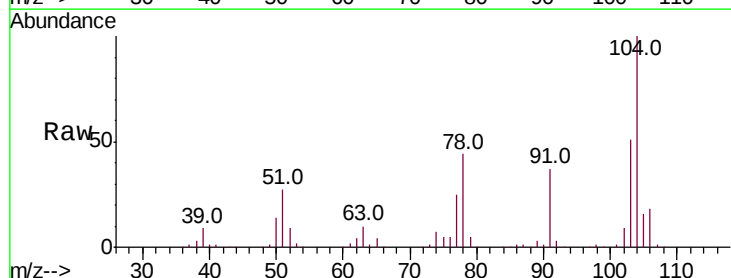
Acq: 26 Sep 2018 17:03

Tgt Ion:104 Resp: 216764

Ion Ratio Lower Upper

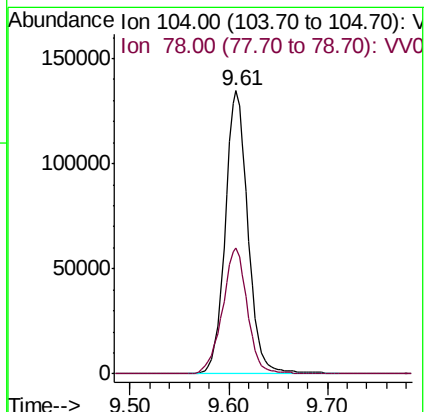
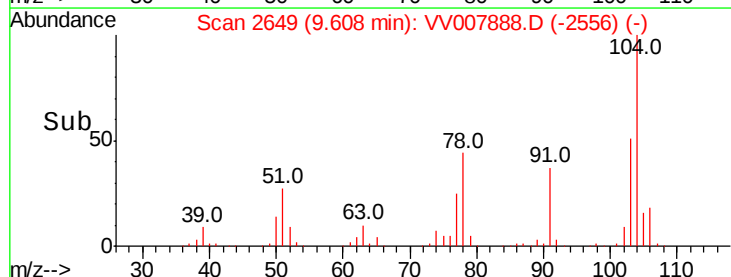
104 100

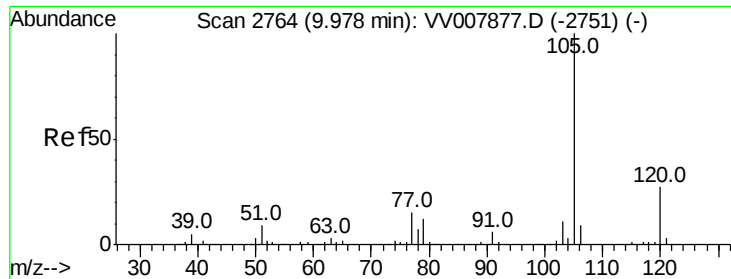
78 44.5 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.480 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :
MSVOA_V
ClientSampled :

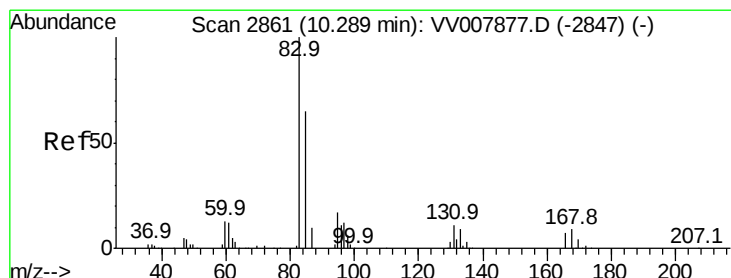
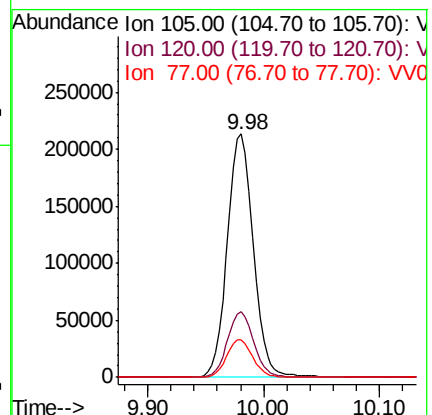
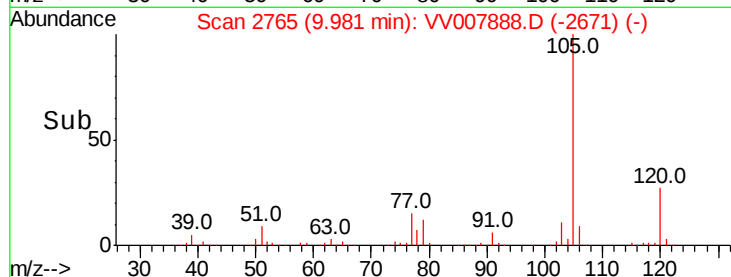
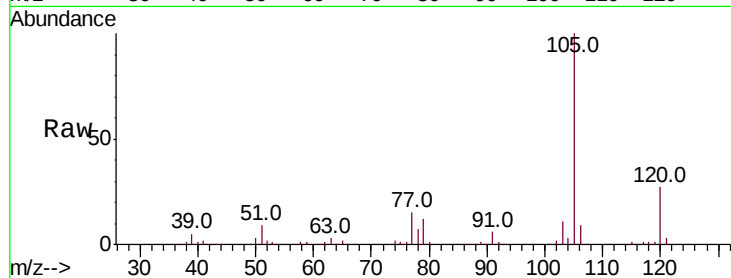
Tot Ion:105 Resp: 332371

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

77 15.4 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.992 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

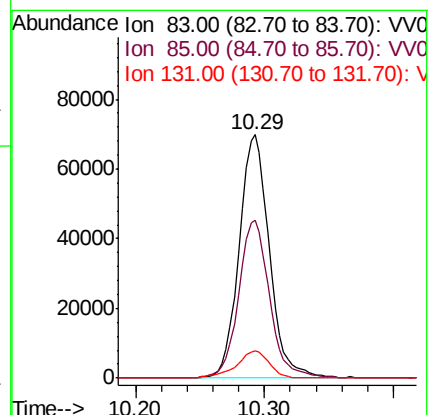
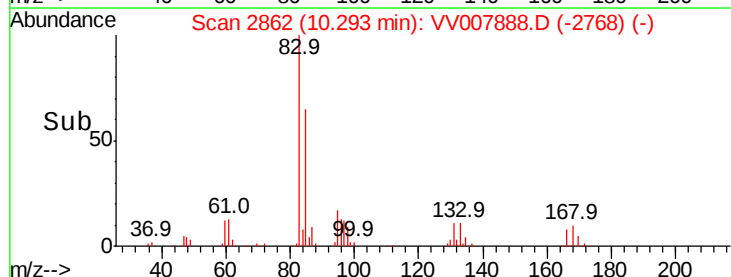
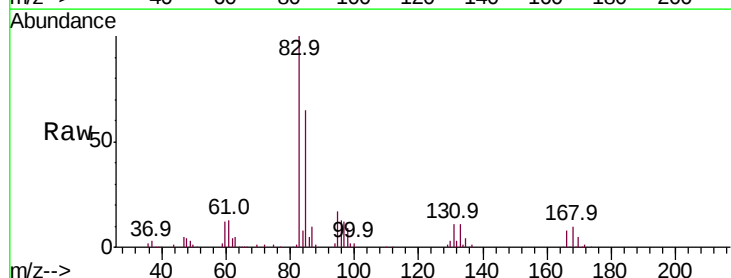
Tgt Ion: 83 Resp: 113899

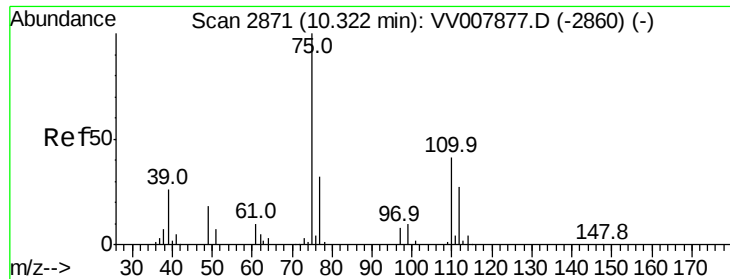
Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0

131 11.0 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 50.251 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

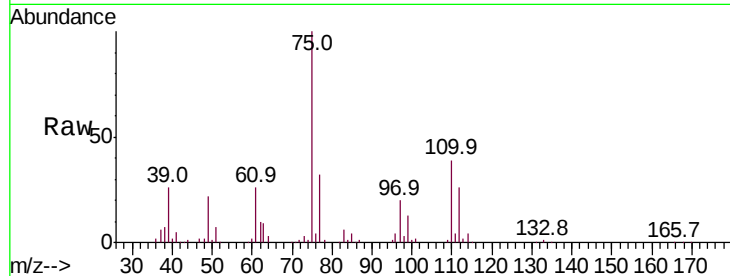
ClientSampleId :

Tot Ion: 75 Resp: 91494

Ion Ratio Lower Upper

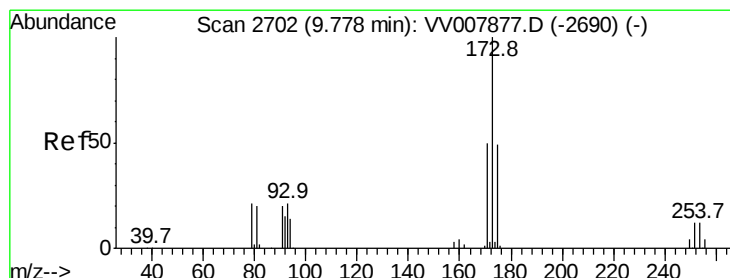
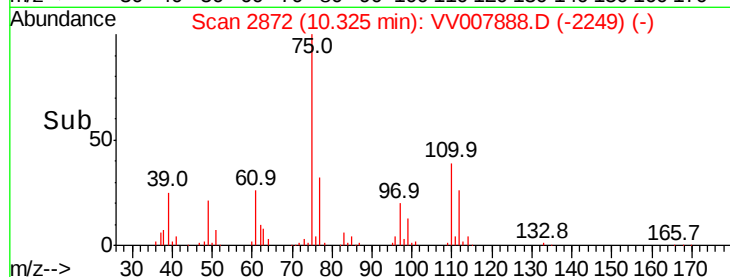
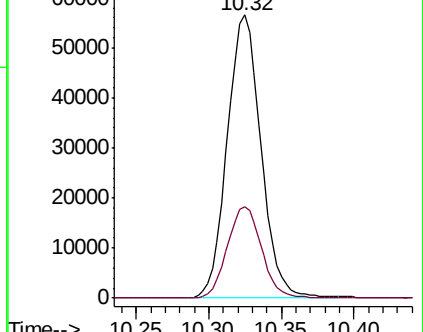
75 100

77 32.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV007877.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007877.D (-2860) (-)



#61

Bromoform

Concen: 49.569 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

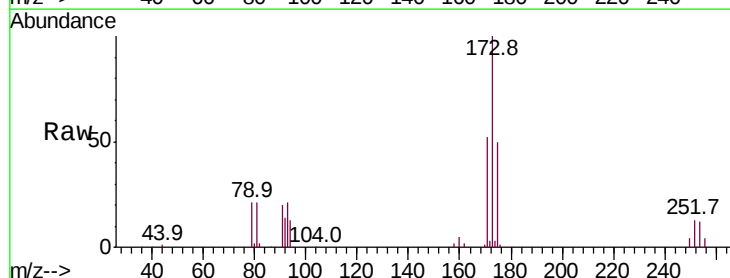
Tgt Ion: 173 Resp: 56420

Ion Ratio Lower Upper

173 100

175 49.5 38.5 57.7

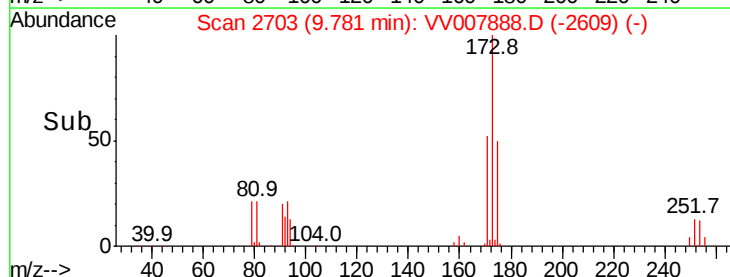
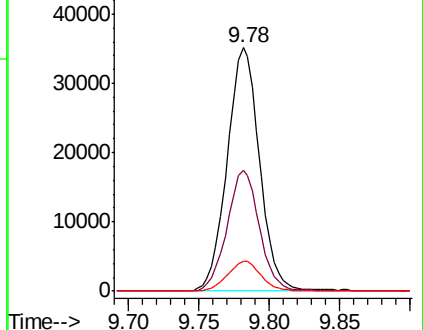
254 12.4 9.9 14.9

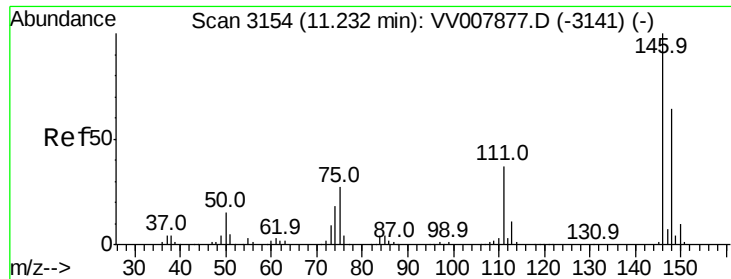


Abundance Ion 173.00 (172.70 to 173.70): VV007877.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV007877.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV007877.D (-2690) (-)

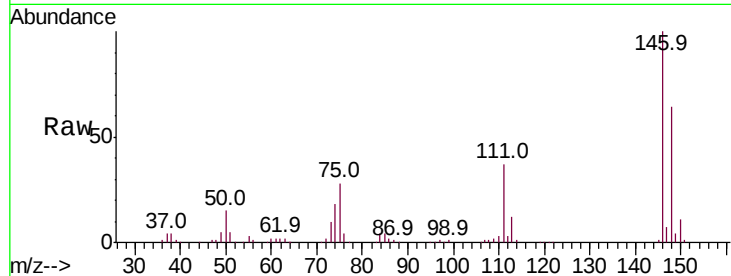




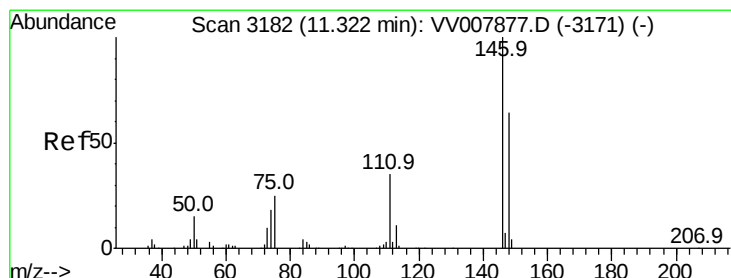
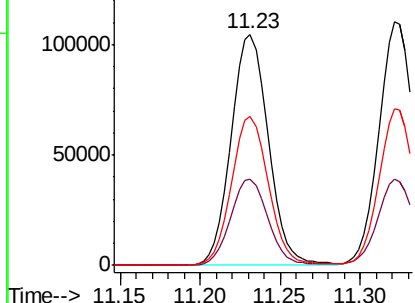
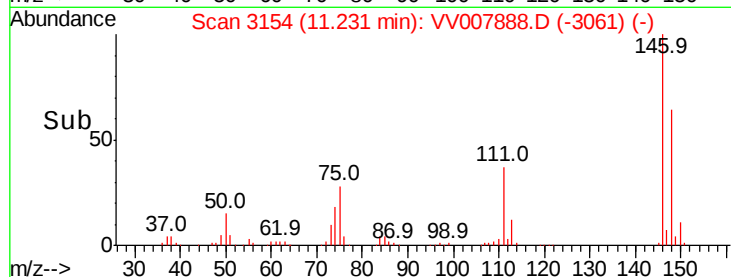
#62
 1,3-Dichlorobenzene
 Concen: 49.203 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	25.6	47.4
148	64.3	45.4	84.2

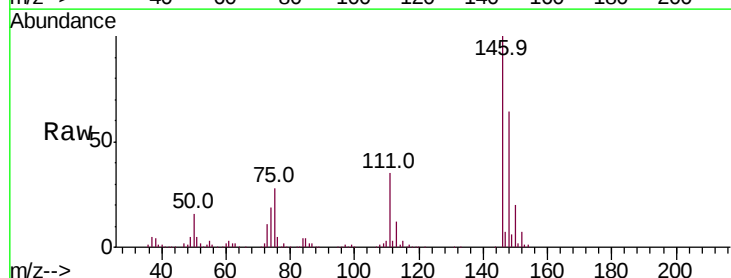


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

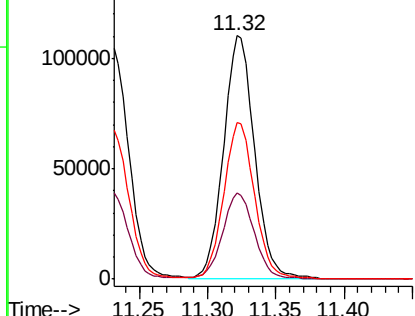
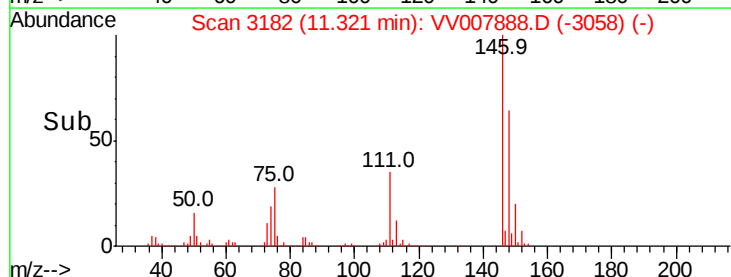


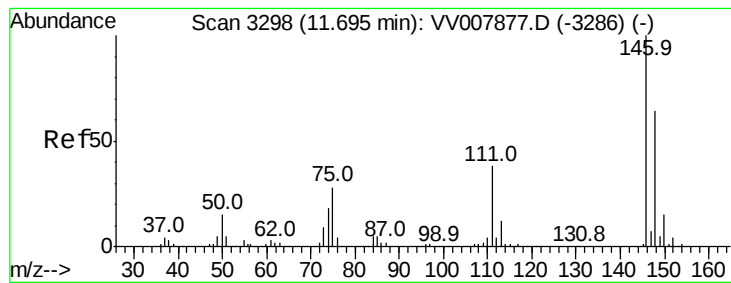
#63
 1,4-Dichlorobenzene
 Concen: 48.626 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	25.2	46.8
148	64.5	44.2	82.0



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





#65

1,2-Dichlorobenzene

Concen: 49.376 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

ClientSampled :

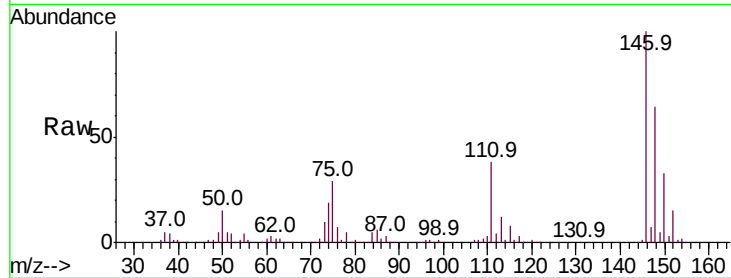
Tot Ion:146 Resp: 173036

Ion Ratio Lower Upper

146 100

111 38.2 31.2 46.8

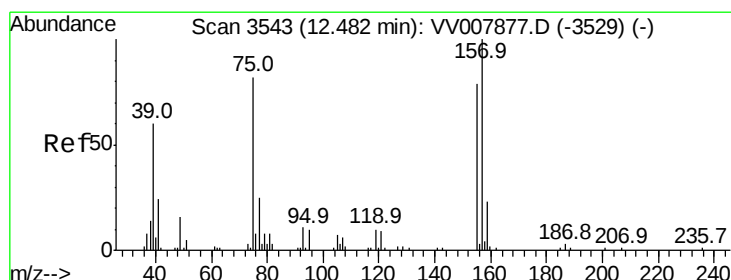
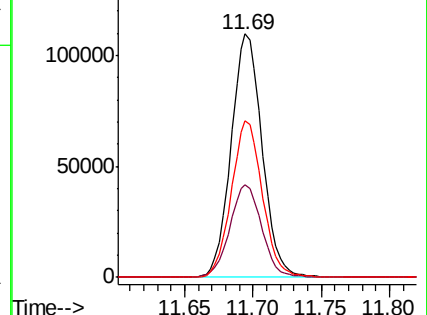
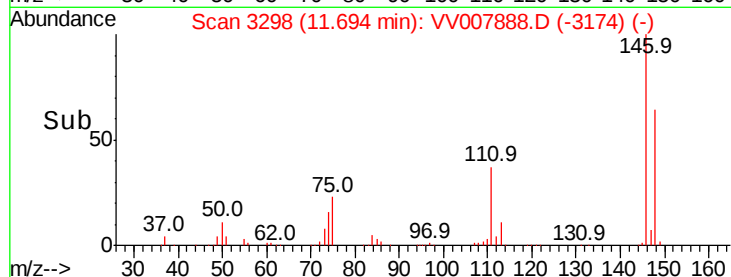
148 64.3 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.493 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

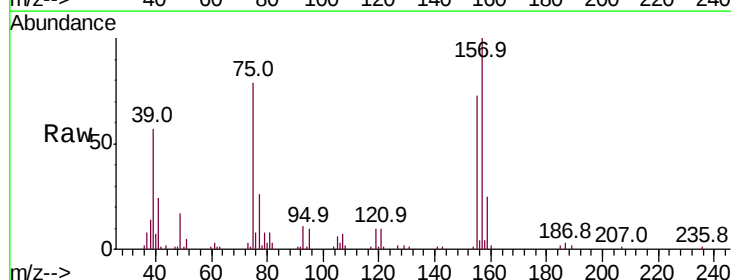
Tgt Ion: 75 Resp: 23611

Ion Ratio Lower Upper

75 100

155 92.7 75.6 113.4

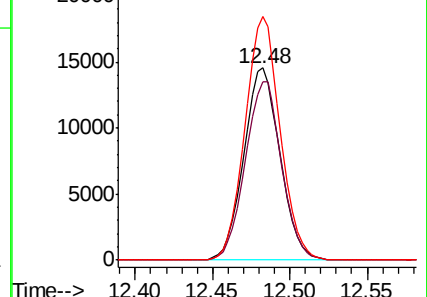
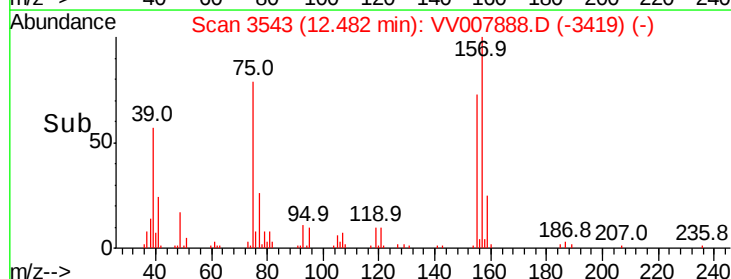
157 126.9 96.5 144.7

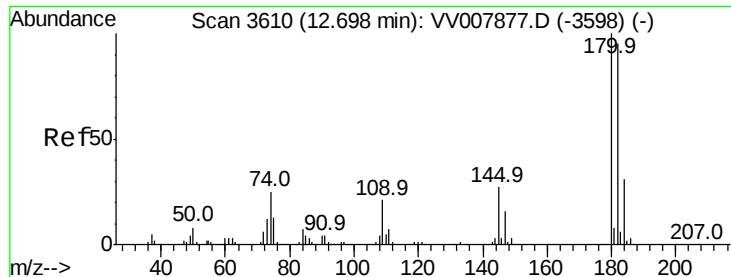


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

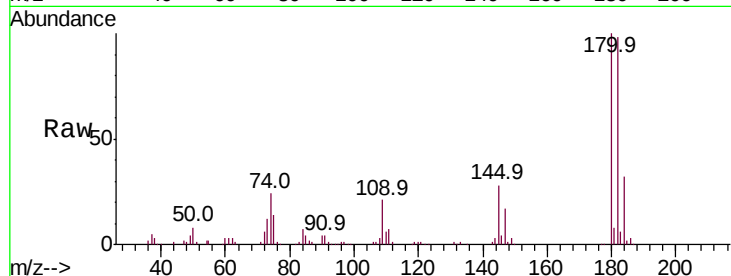




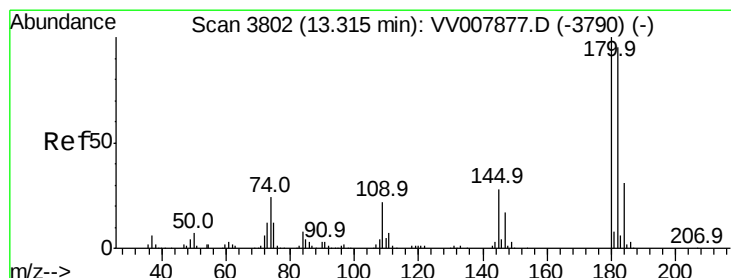
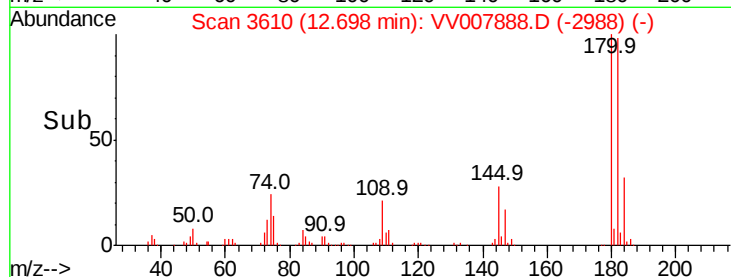
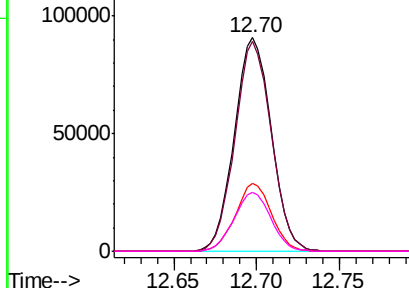
#67
 1,3,5-Trichlorobenzene
 Concen: 49.563 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	141111
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	30.9	24.6	36.8
145	27.5	21.7	32.5

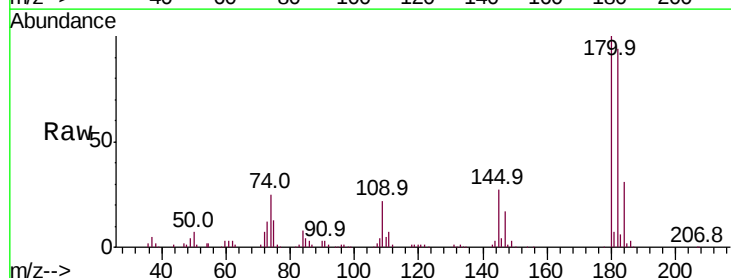


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

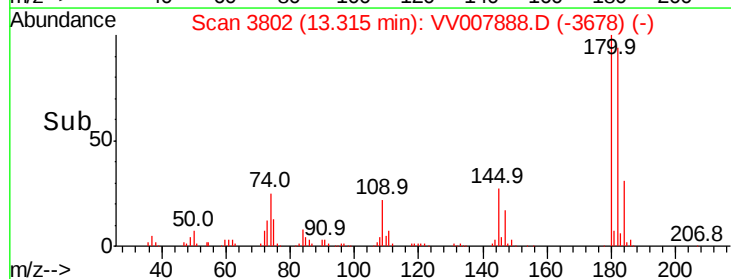
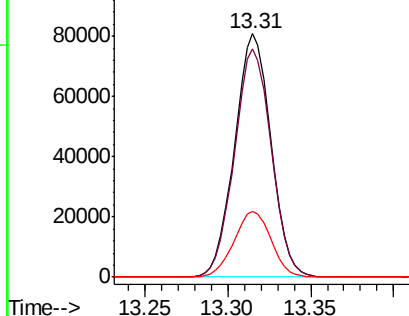


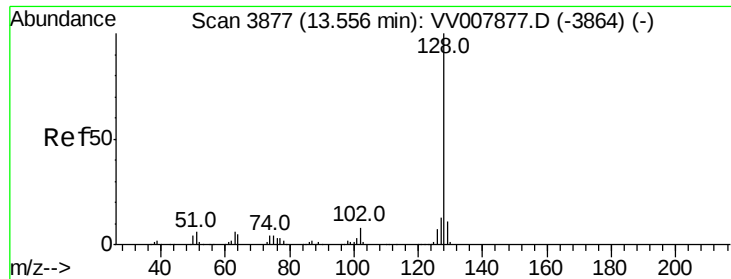
#68
 1,2,4-trichlorobenzene
 Concen: 51.319 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007888.D
 Acq: 26 Sep 2018 17:03

Tgt Ion:	180	Resp:	123276
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
145	27.6	22.7	34.1



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





#69

Naphthalene

Concen: 55.492 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

Instrument :

MSVOA_V

ClientSampled :

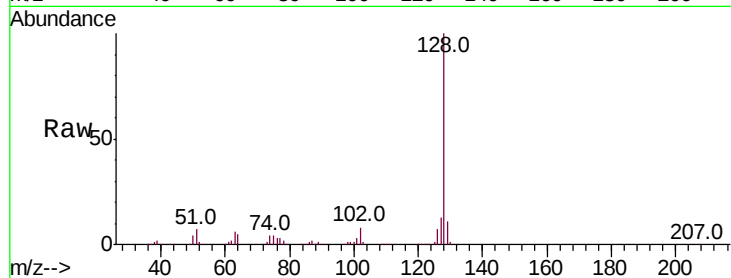
Tot Ion:128 Resp: 326081

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

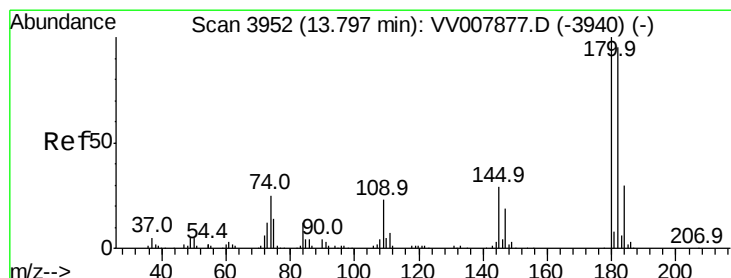
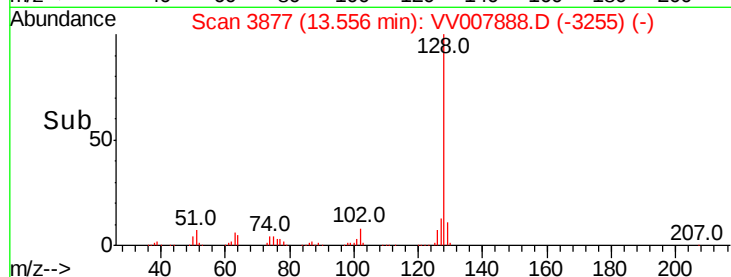
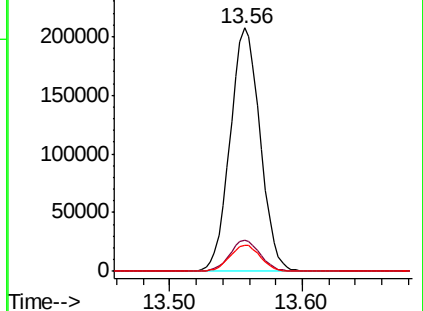
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.608 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007888.D

Acq: 26 Sep 2018 17:03

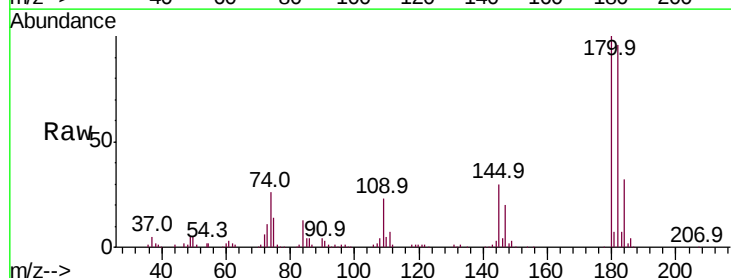
Tgt Ion:180 Resp: 125523

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 29.4 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

