

Data File : VV012391.D
Acq On : 26 Aug 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Quant Time: Aug 27 02:19:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	278919	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269990	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136611	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60886	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	45162	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	110003	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.97	46	167808	44.67	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.34%
24) Chloroform-d	4.40	84	146553	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	69281	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.09	84	286372	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.12	67	86056	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.36	98	264963	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	31161	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.14	63	101999	43.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	56421	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	90976	4.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	118192	4.962	ug/L 98
3) Chloromethane	1.25	50	87128	4.755	ug/L 98
5) Vinyl chloride	1.32	62	84306	4.745	ug/L 99
6) Bromomethane	1.54	94	37819	4.664	ug/L 95
8) Chloroethane	1.60	64	44426	4.981	ug/L 99
9) Trichlorofluoromethane	1.77	101	122676	5.187	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	60482	4.910	ug/L 97
12) 1,1-Dichloroethene	2.14	96	55011	4.917	ug/L 93
13) Acetone	2.23	43	86397	53.158	ug/L 95
14) Carbon disulfide	2.31	76	167166	4.755	ug/L 100
15) Methyl Acetate	2.47	43	19374	4.735	ug/L 92
16) Methylene chloride	2.53	84	55053	4.416	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	165007	4.894	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	80533	4.840	ug/L 94
19) 1,1-Dichloroethane	3.23	63	154620	4.998	ug/L 97
21) 2-Butanone	4.05	43	197016	51.610	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	81441	4.488	ug/L 99

Data File : VV012391.D
Acq On : 26 Aug 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Quant Time: Aug 27 02:19:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37028	4.907	ug/L	98
25) Chloroform	4.42	83	158310	4.587	ug/L	97
27) 1,2-Dichloroethane	5.18	62	90600	4.974	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	131761	4.885	ug/L	99
30) Cyclohexane	4.72	56	130250	4.674	ug/L	98
31) Carbon tetrachloride	4.87	117	117959	4.945	ug/L	100
33) Benzene	5.14	78	338311	4.914	ug/L	100
34) Trichloroethene	5.96	95	88418	4.758	ug/L	99
35) Methylcyclohexane	6.17	83	134035	4.593	ug/L	97
37) 1,2-Dichloropropane	6.22	63	83239	4.771	ug/L	99
38) Bromodichloromethane	6.55	83	104190	4.841	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	109719	4.678	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	465142	49.635	ug/L	99
42) Toluene	7.43	91	353693	5.029	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	86965	4.902	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	53758	4.756	ug/L	98
47) Tetrachloroethene	8.02	164	72923	4.864	ug/L	95
48) 2-Hexanone	8.19	43	340058	50.431	ug/L	98
49) Dibromochloromethane	8.29	129	66263	4.893	ug/L	100
50) 1,2-Dibromoethane	8.39	107	50110	4.690	ug/L	100
51) Chlorobenzene	8.92	112	220156	4.792	ug/L	99
52) Ethylbenzene	9.05	91	363069	4.796	ug/L	99
53) m,p-xylene	9.18	106	138698	4.888	ug/L	99
54) o-xylene	9.59	106	134155	4.968	ug/L	98
55) Styrene	9.60	104	230884	5.110	ug/L	99
56) Isopropylbenzene	9.97	105	352892	4.883	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	57989	4.780	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	45736	4.772	ug/L	100
61) Bromoform	9.78	173	35405	4.517	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	172266	4.643	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	172303	4.637	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	157290	4.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	8293	4.240	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	129794	4.569	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	89655	4.529	ug/L	99
69) Naphthalene	13.55	128	107148	3.910	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	83609	4.509	ug/L	98

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

Data File : VV012391.D

Acq On : 26 Aug 2019 09:06

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25mL/MSVOA V/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB53

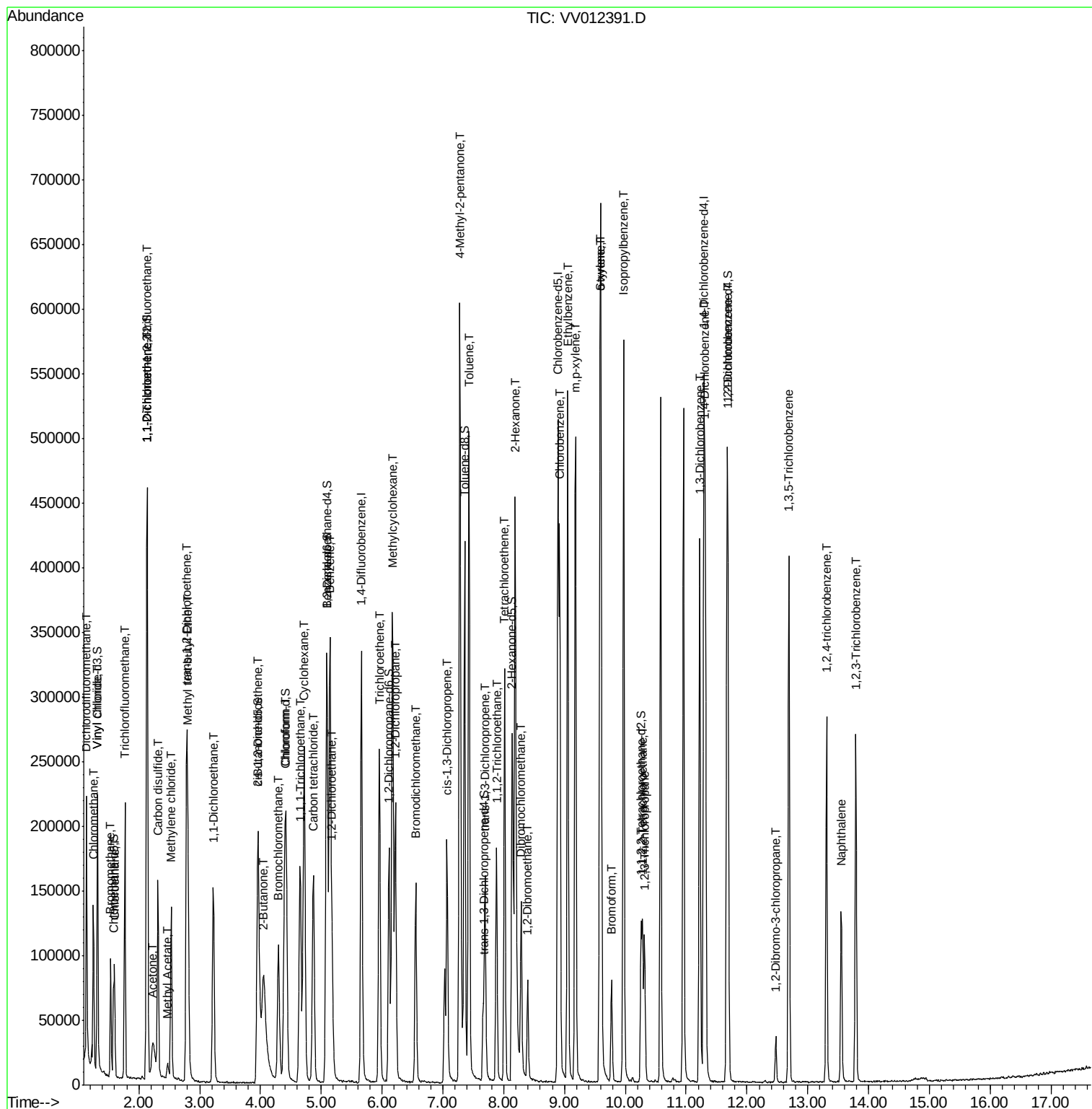
Quant Time: Aug 27 02:19:12 2019

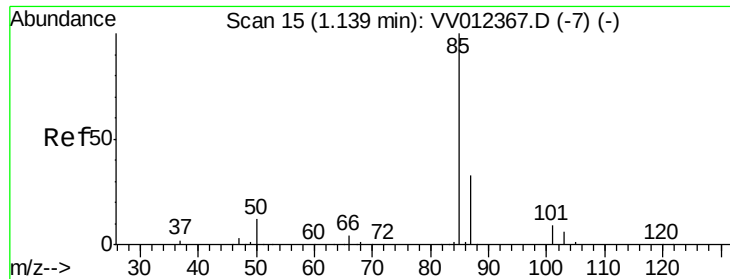
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Aug 26 07:59:52 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.962 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

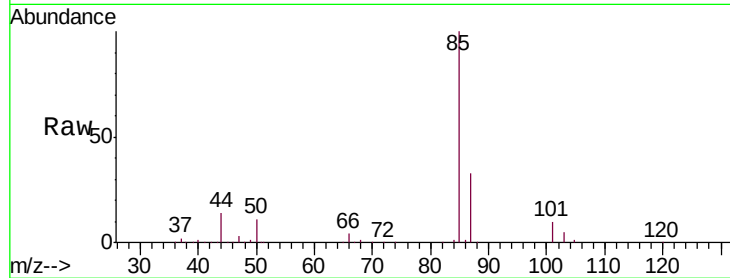
BFB53

Tgt Ion: 85 Resp: 118192

Ion Ratio Lower Upper

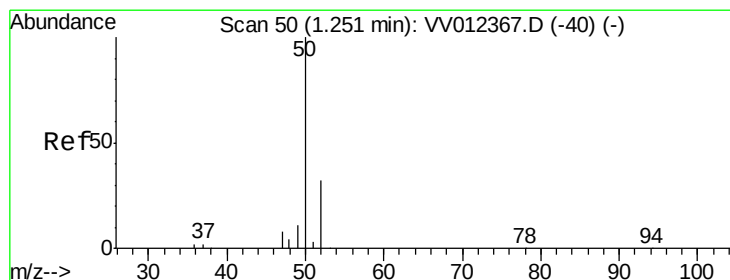
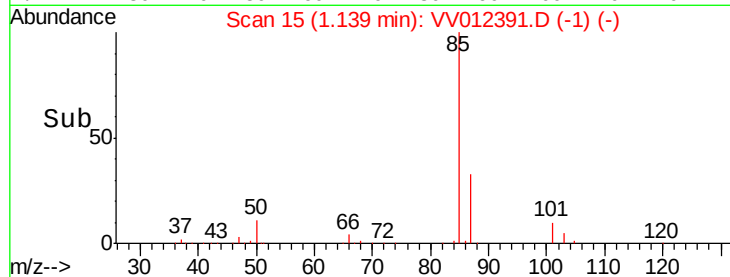
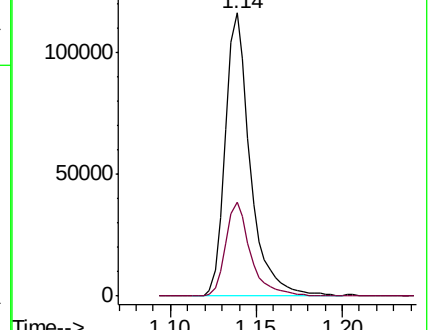
85 100

87 33.4 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: 4.755 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012391.D

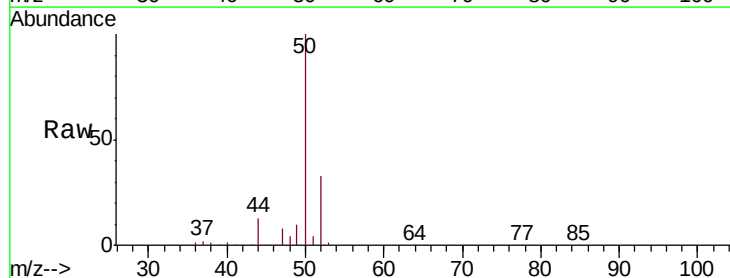
Acq: 26 Aug 2019 09:06

Tgt Ion: 50 Resp: 87128

Ion Ratio Lower Upper

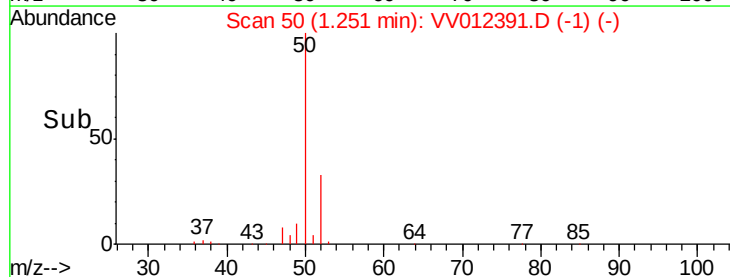
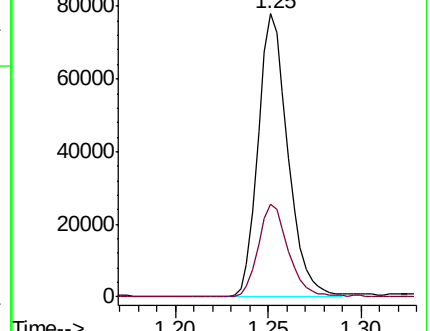
50 100

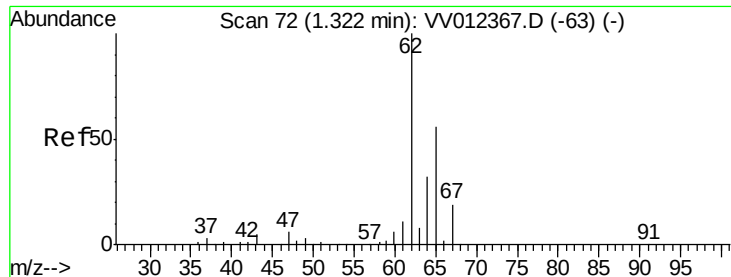
52 32.6 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.745 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

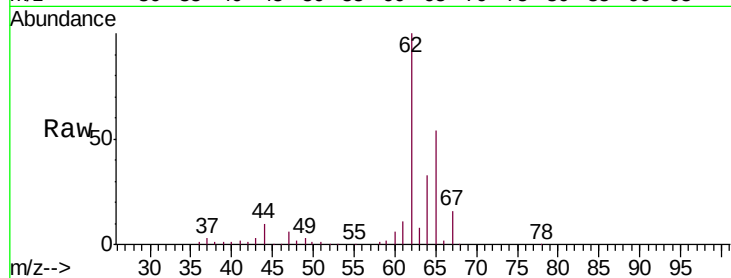
BFB53

Tgt Ion: 62 Resp: 84306

Ion Ratio Lower Upper

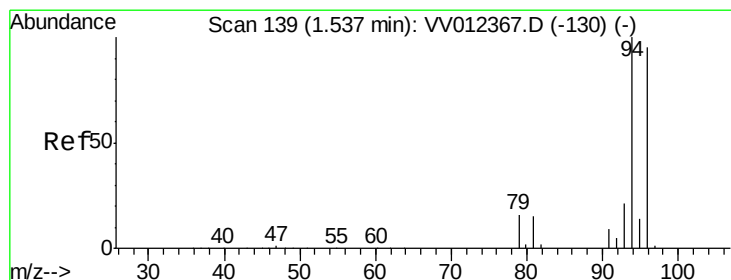
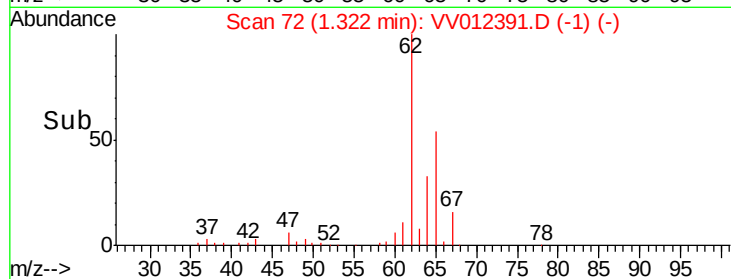
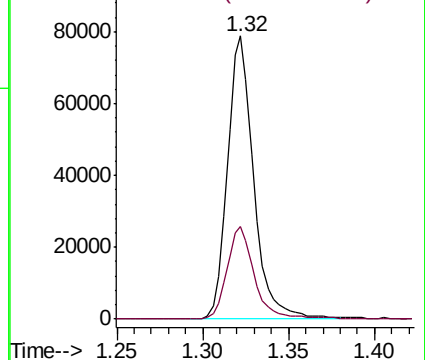
62 100

64 32.6 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.664 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012391.D

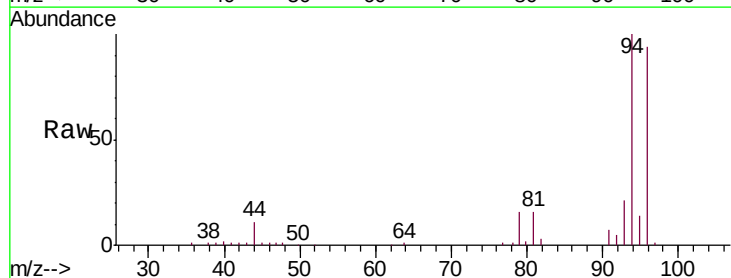
Acq: 26 Aug 2019 09:06

Tgt Ion: 94 Resp: 37819

Ion Ratio Lower Upper

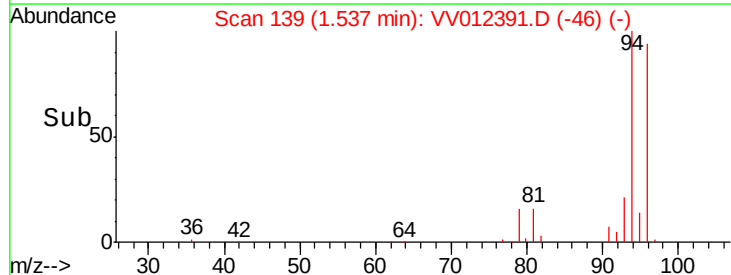
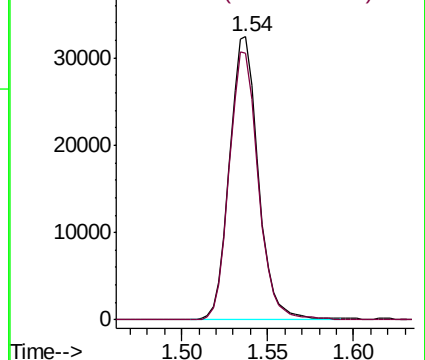
94 100

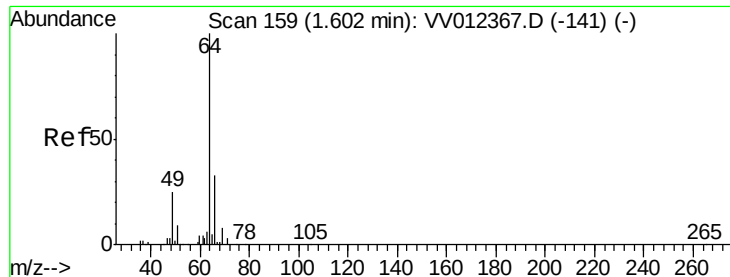
96 94.1 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

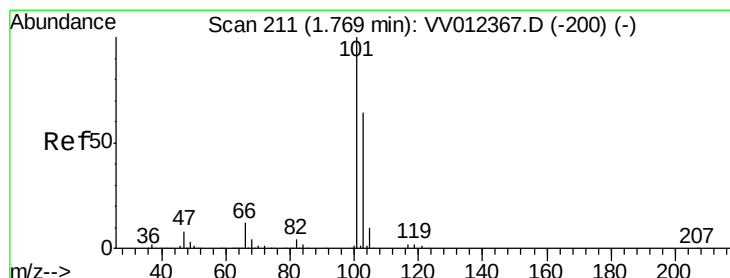
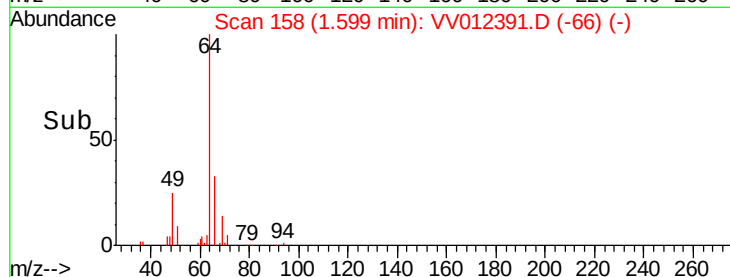
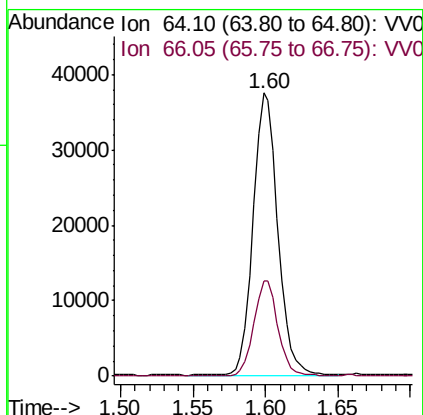
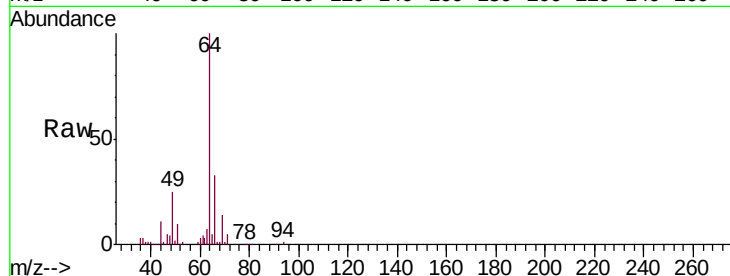




#8
Chloroethane
Concen: 4.981 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

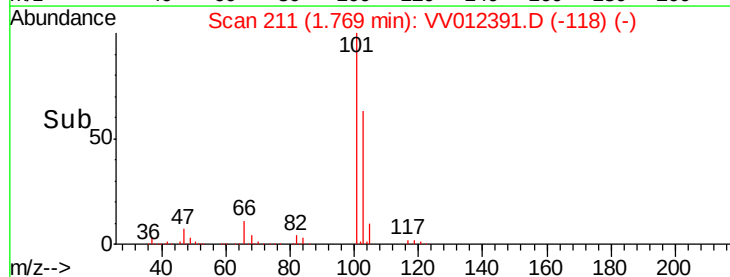
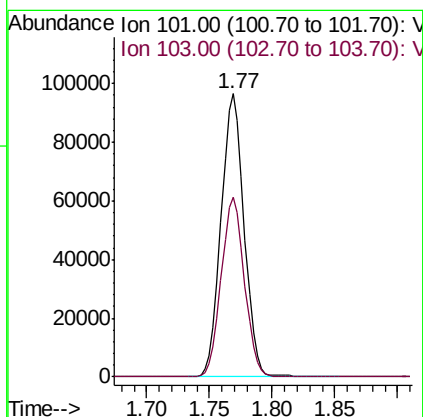
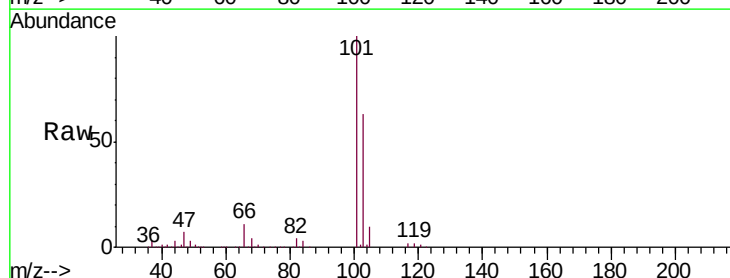
Instrument :
MSVOA_V
ClientSampleId :
BFB53

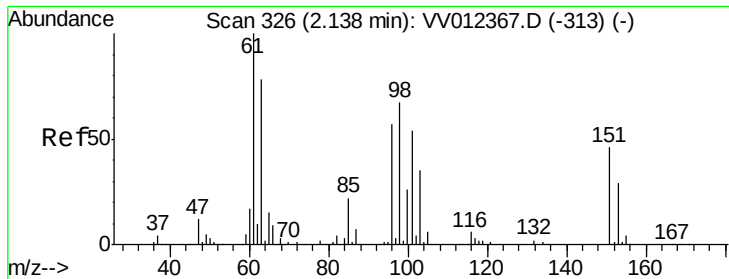
Tgt Ion: 64 Resp: 44426
Ion Ratio Lower Upper
64 100
66 33.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 5.187 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion: 101 Resp: 122676
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8





#10

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

Concen: 4.910 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

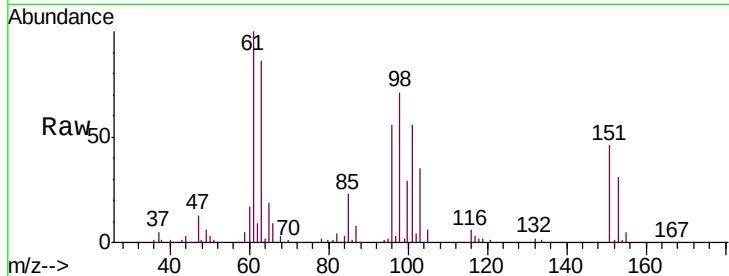
Tgt Ion: 101 Resp: 60482

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

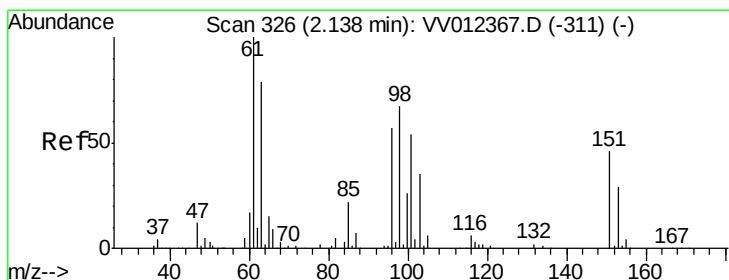
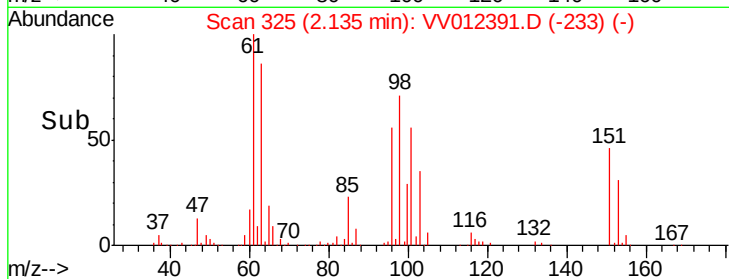
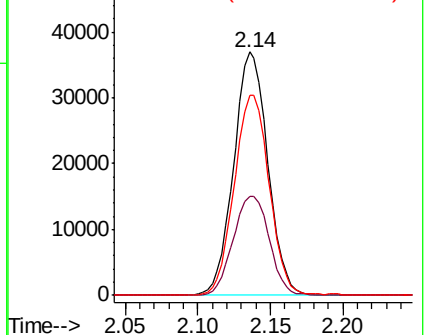
151 84.3 71.2 106.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.917 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

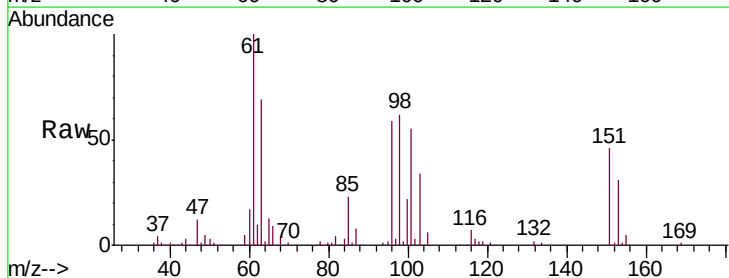
Tgt Ion: 96 Resp: 55011

Ion Ratio Lower Upper

96 100

61 169.2 122.3 227.1

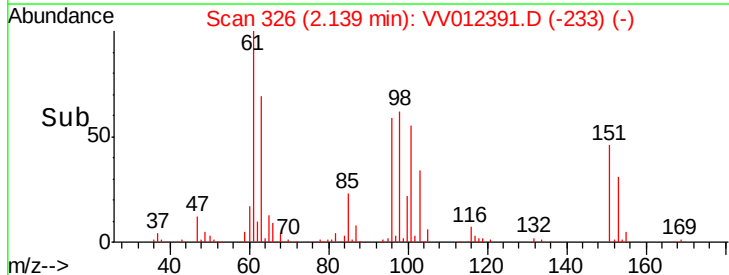
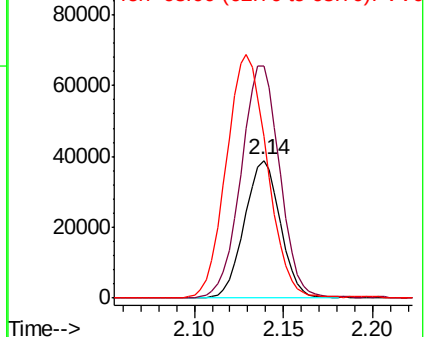
63 117.2 90.6 168.2

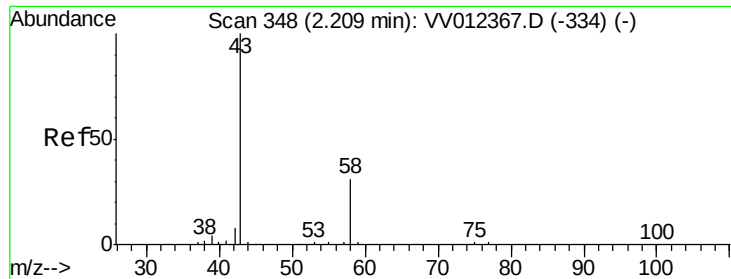


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 53.158 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.02 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampled :

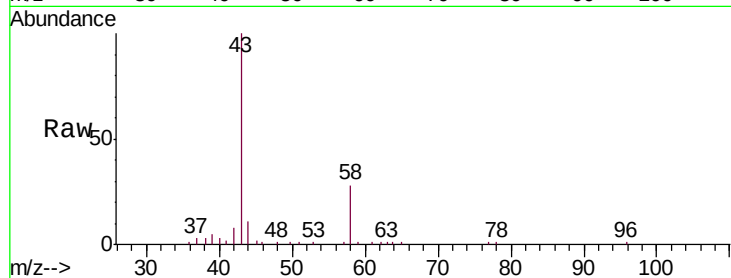
BFB53

Tgt Ion: 43 Resp: 86397

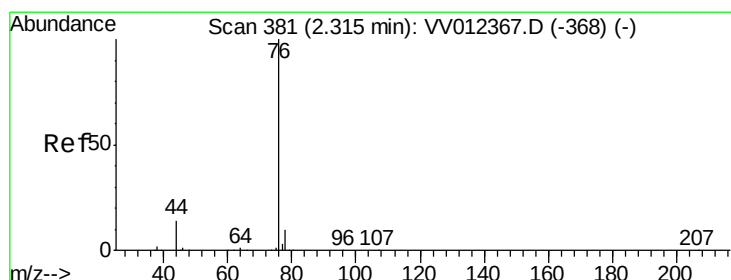
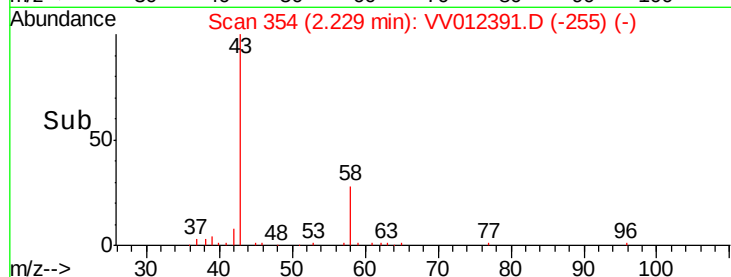
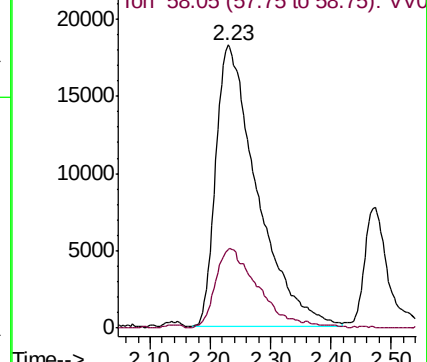
Ion Ratio Lower Upper

43 100

58 28.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV012367.D (-334) (-)



#14

Carbon disulfide

Concen: 4.755 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012391.D

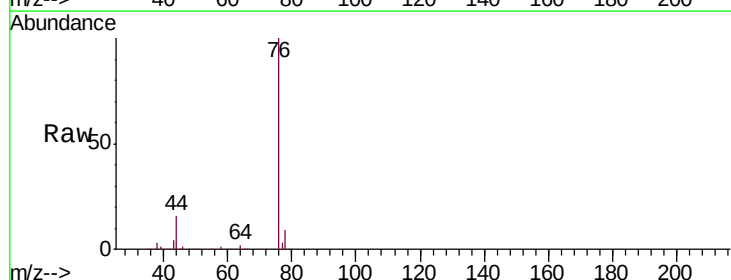
Acq: 26 Aug 2019 09:06

Tgt Ion: 76 Resp: 167166

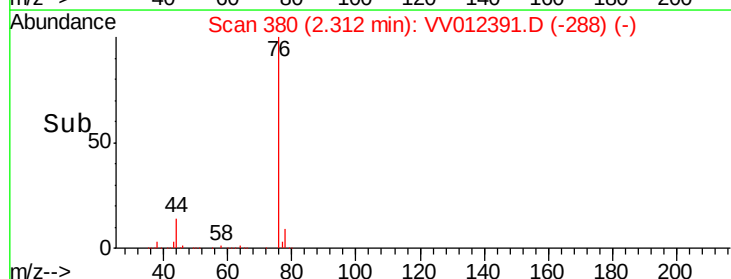
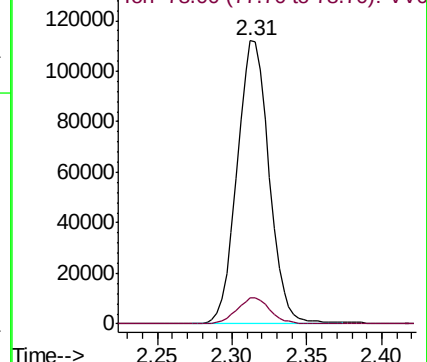
Ion Ratio Lower Upper

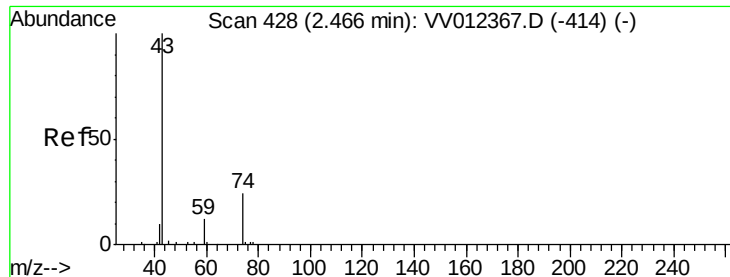
76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV012367.D (-368) (-)

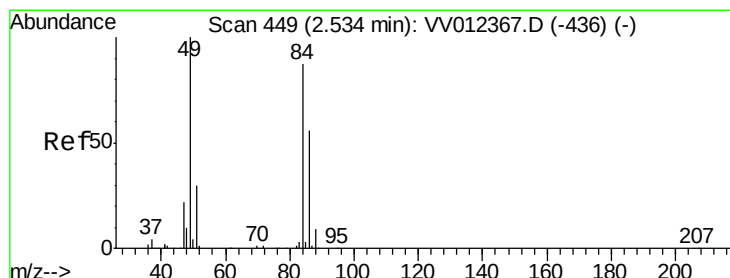
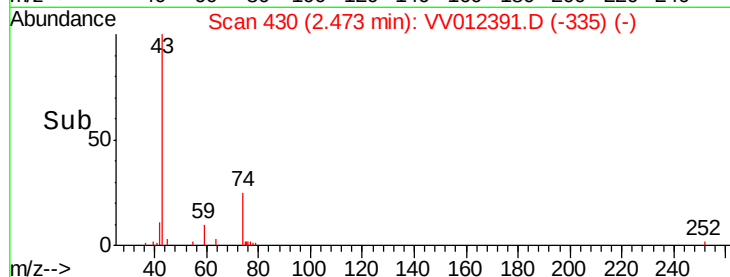
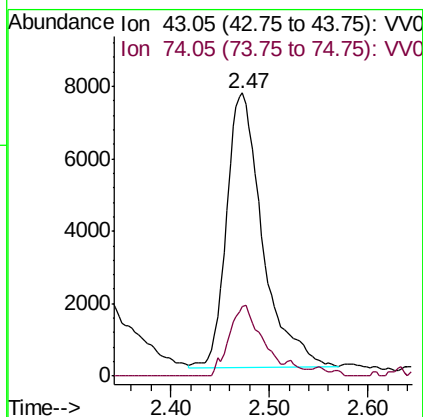
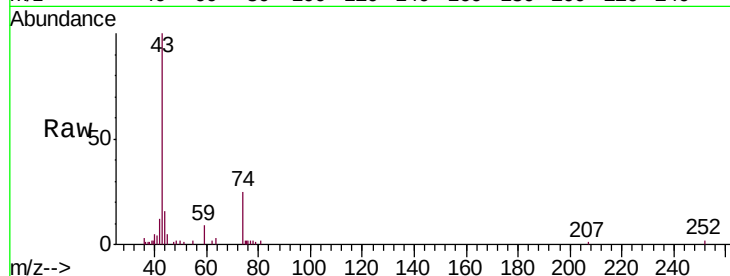




#15
Methyl Acetate
Concen: 4.735 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

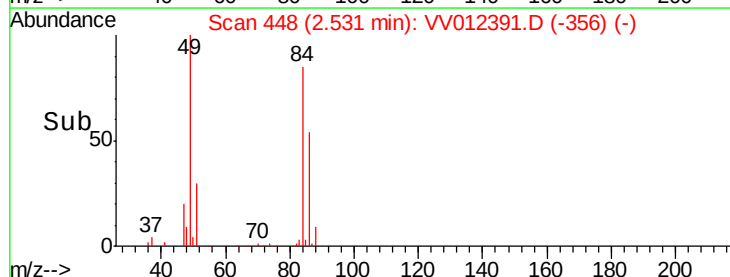
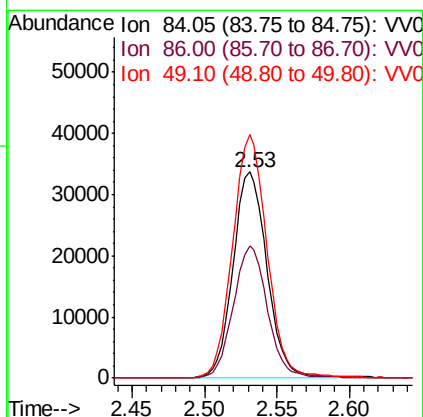
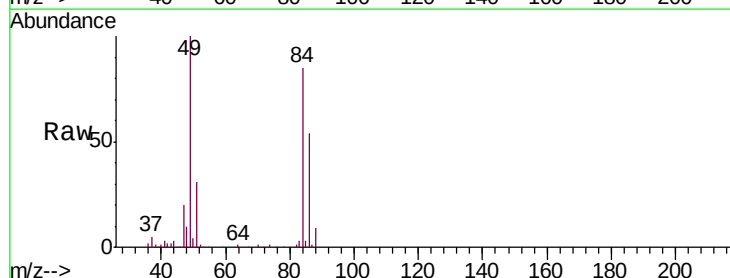
Instrument :
MSVOA_V
ClientSampled :
BFB53

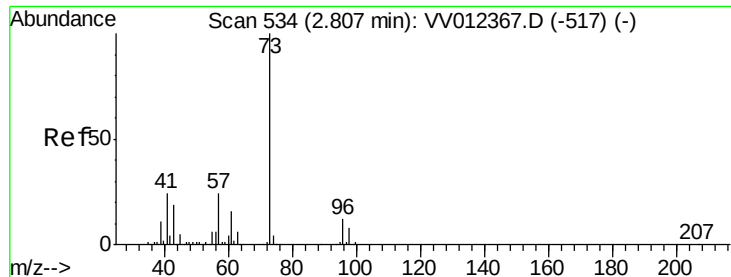
Tgt Ion: 43 Resp: 19374
Ion Ratio Lower Upper
43 100
74 23.0 21.8 32.6



#16
Methylene chloride
Concen: 4.416 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion: 84 Resp: 55053
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.5
49 118.1 81.1 150.7





#17

Methyl tert-butyl Ether

Concen: 4.894 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

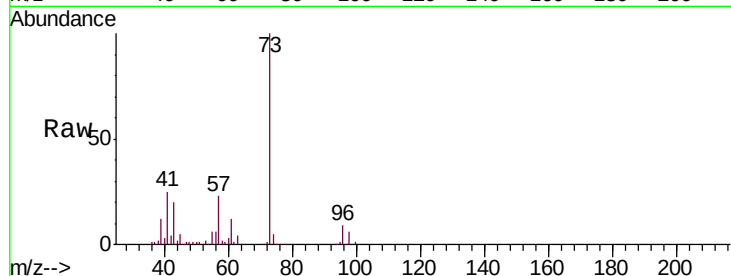
Tgt Ion: 73 Resp: 165007

Ion Ratio Lower Upper

73 100

43 19.8 15.0 22.6

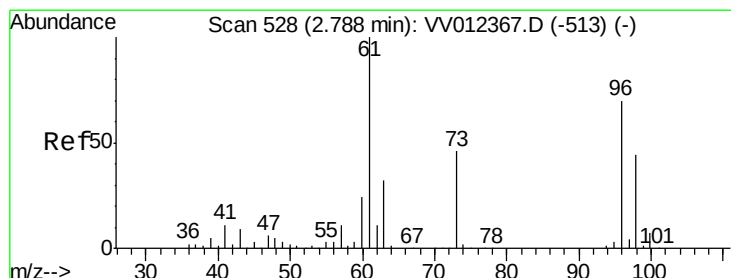
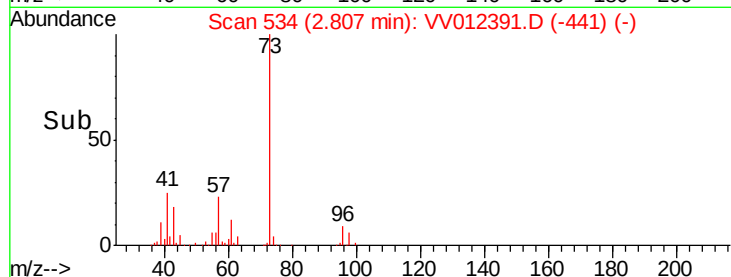
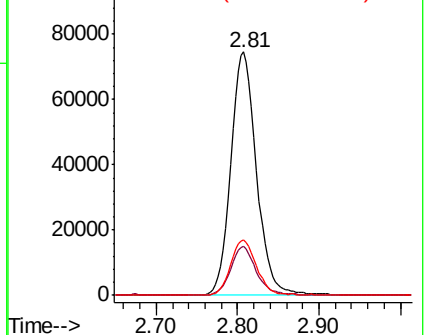
57 22.9 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.840 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

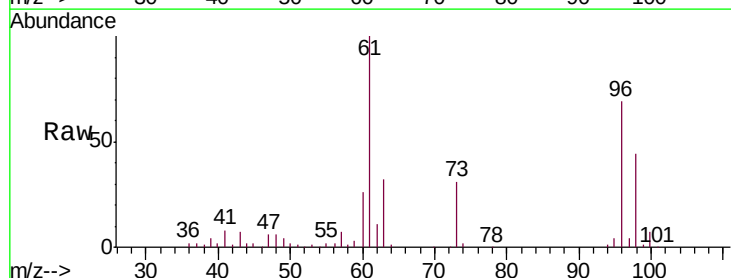
Tgt Ion: 96 Resp: 80533

Ion Ratio Lower Upper

96 100

61 145.1 96.0 178.4

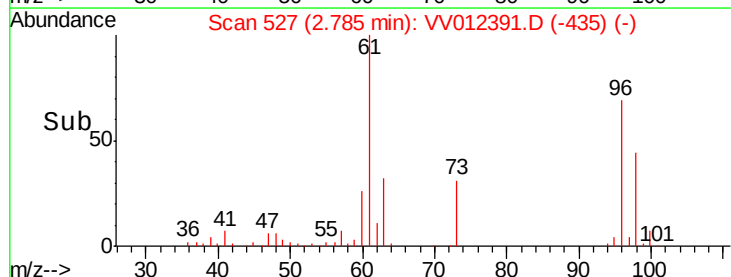
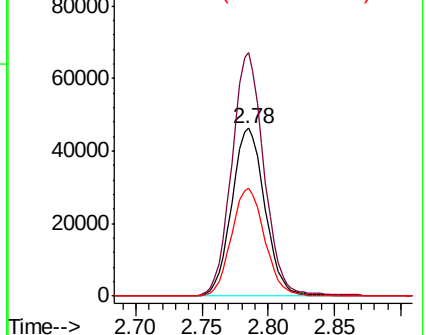
98 64.3 42.1 78.3

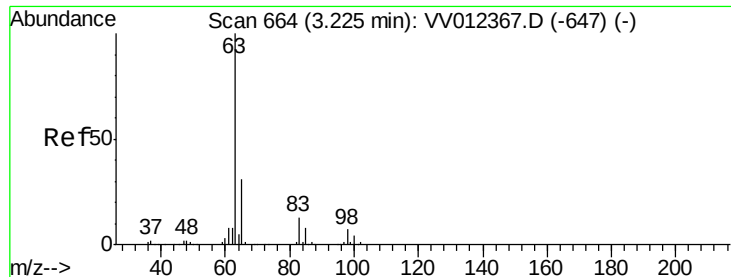


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

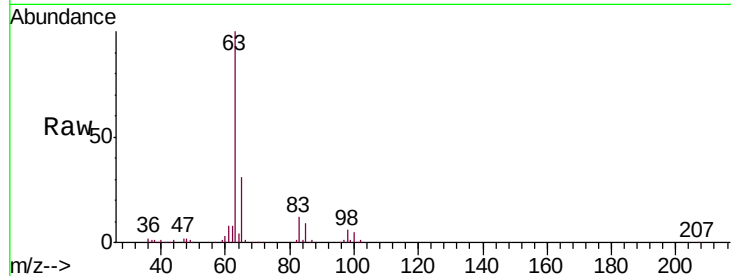




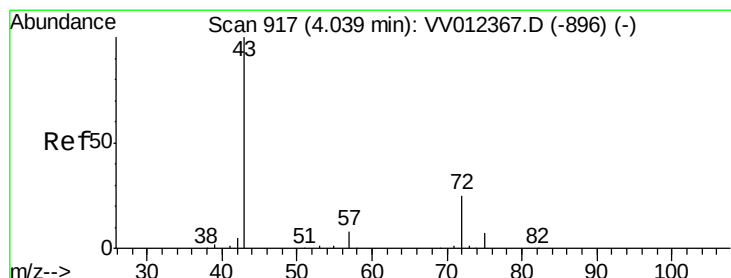
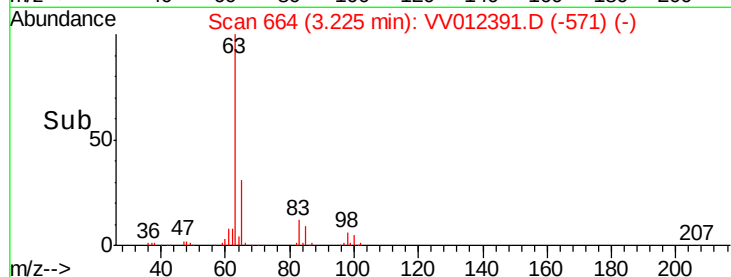
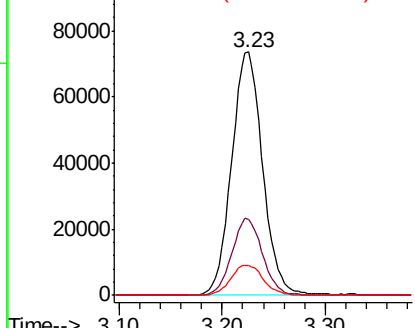
#19
 1,1-Dichloroethane
 Concen: 4.998 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

Tgt Ion: 63 Resp: 154620
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.1 42.9
 83 12.2 9.4 17.6

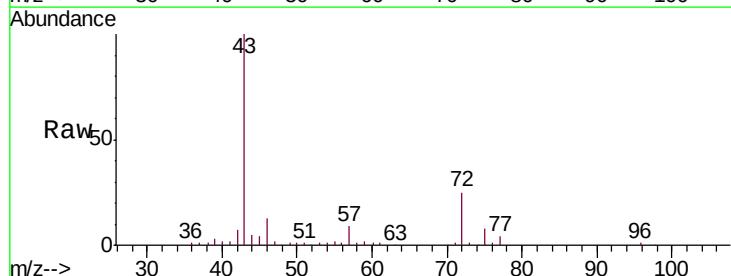


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

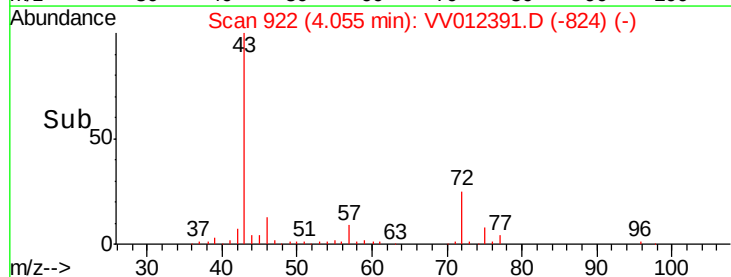
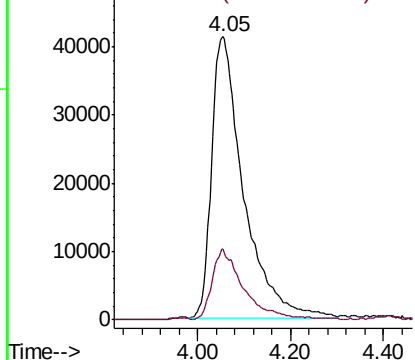


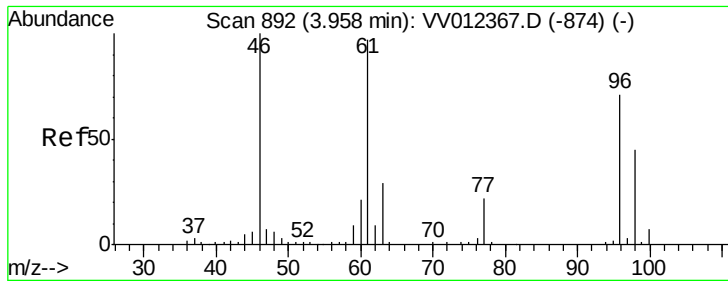
#21
 2-Butanone
 Concen: 51.610 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion: 43 Resp: 197016
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.2 36.6



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



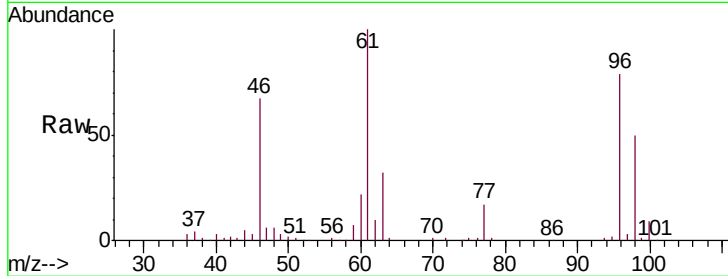


#22

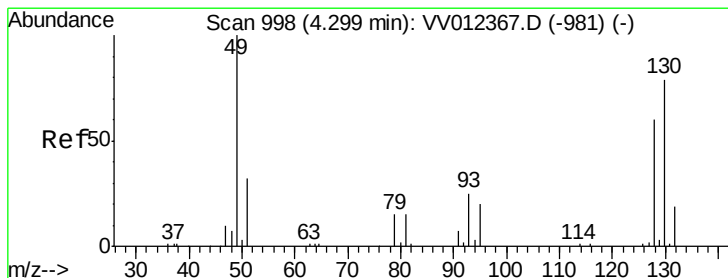
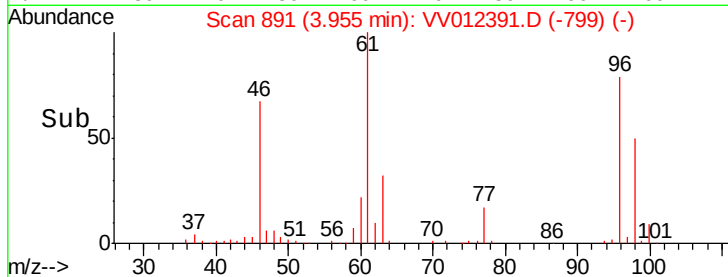
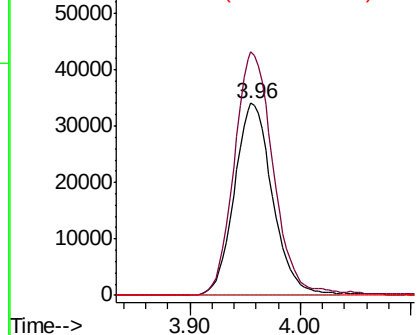
cis-1,2-Dichloroethene
Concen: 4.488 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Tgt Ion: 96 Resp: 81441
Ion Ratio Lower Upper
96 100
61 126.9 89.4 166.0
68 0.0 0.0 0.0



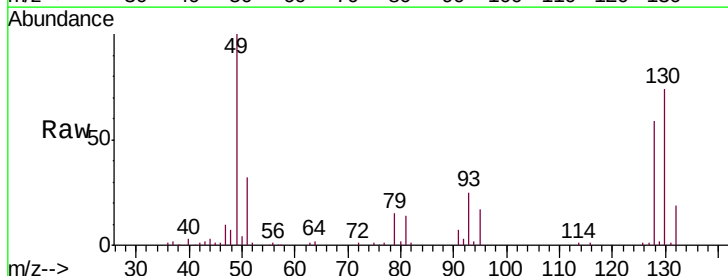
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



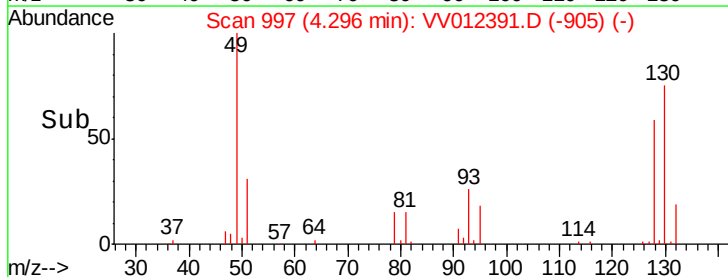
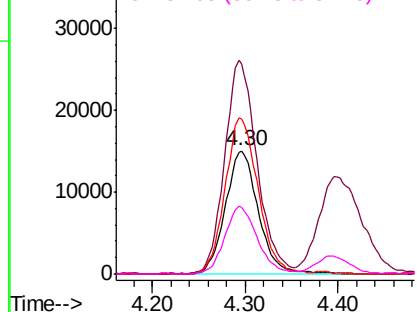
#23

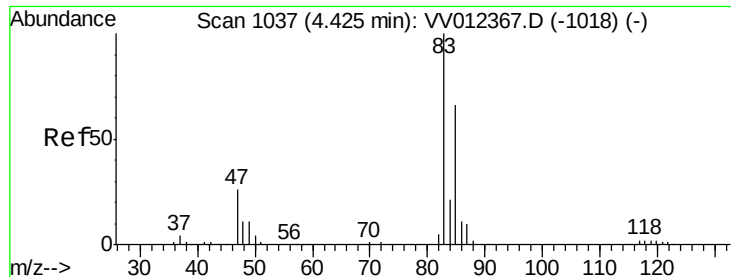
Bromochloromethane
Concen: 4.907 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion: 128 Resp: 37028
Ion Ratio Lower Upper
128 100
49 170.2 120.7 224.1
130 126.1 91.5 169.9
51 54.4 44.3 66.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

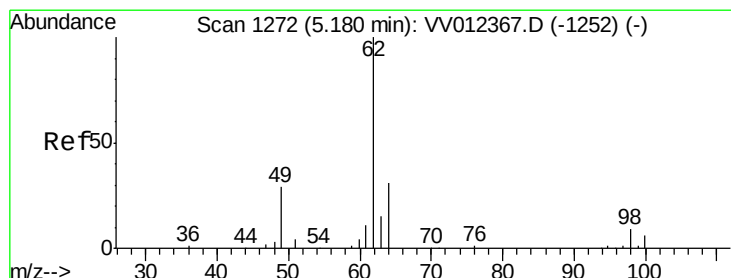
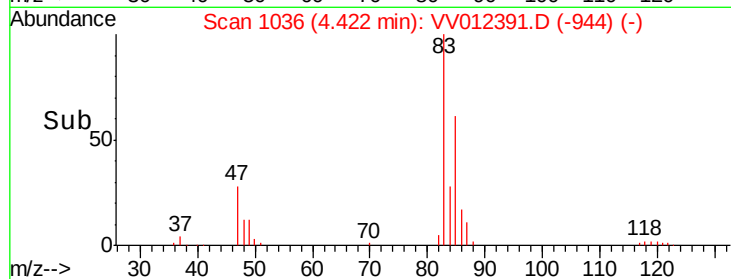
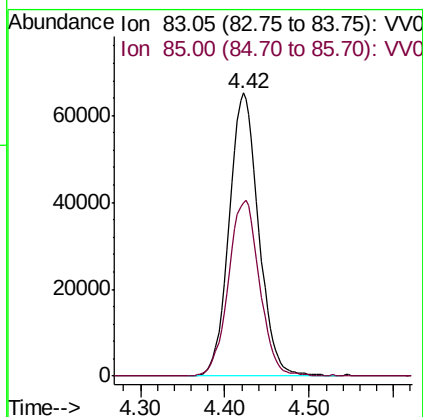
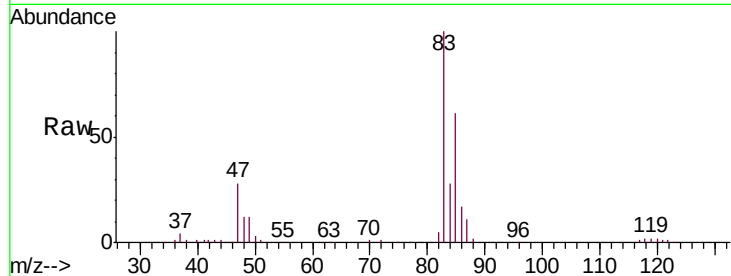




#25
Chloroform
Concen: 4.587 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

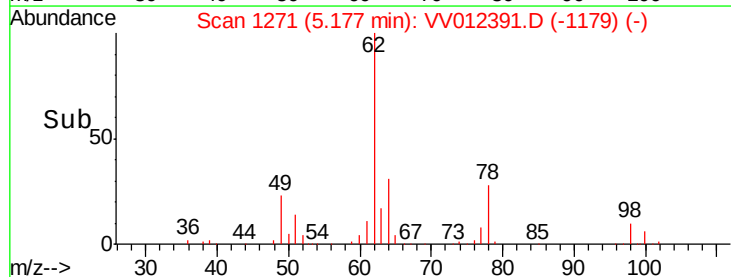
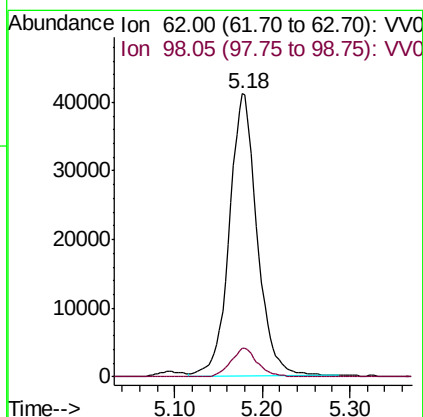
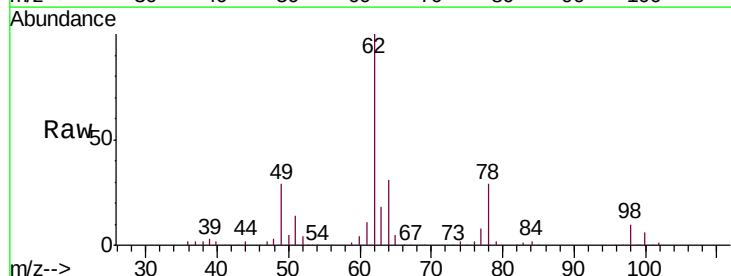
Instrument :
MSVOA_V
ClientSampled :
BFB53

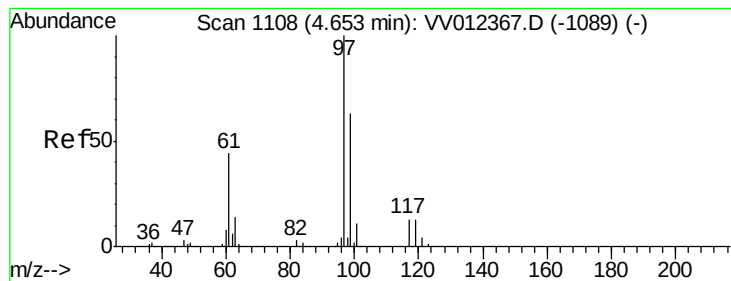
Tgt Ion: 83 Resp: 158310
Ion Ratio Lower Upper
83 100
85 61.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.974 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion: 62 Resp: 90600
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.885 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

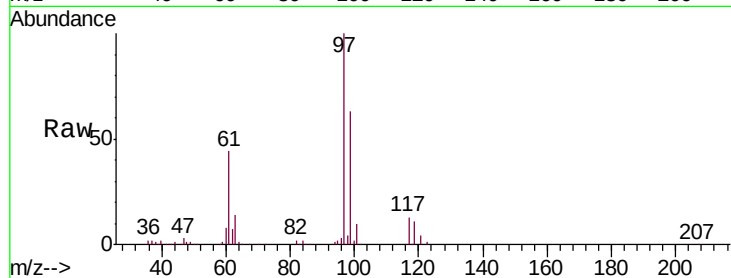
Tgt Ion: 97 Resp: 131761

Ion Ratio Lower Upper

97 100

99 63.8 50.5 75.7

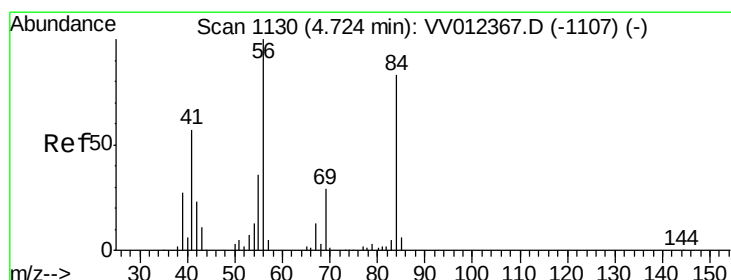
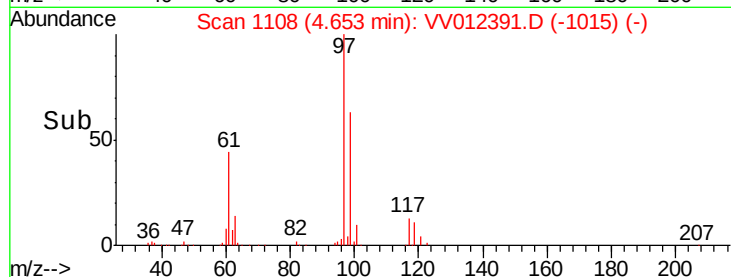
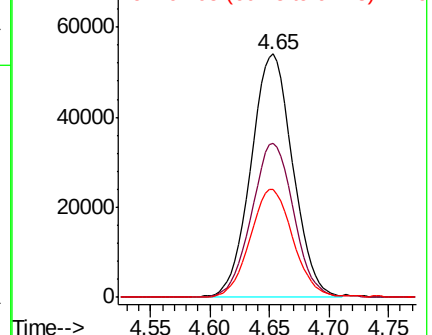
61 45.6 35.4 53.2



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: 4.674 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

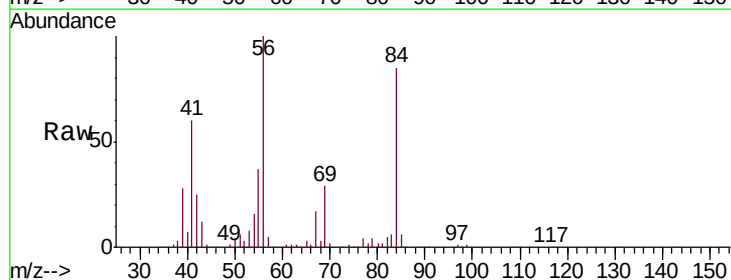
Tgt Ion: 56 Resp: 130250

Ion Ratio Lower Upper

56 100

69 29.6 24.0 36.0

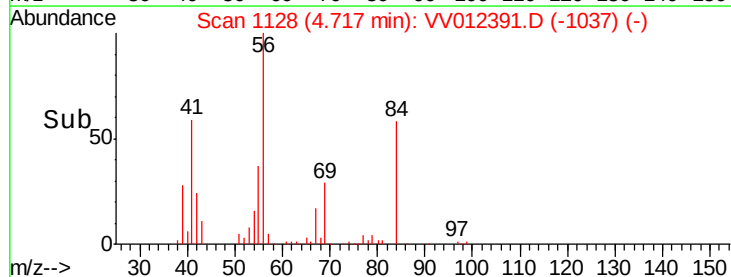
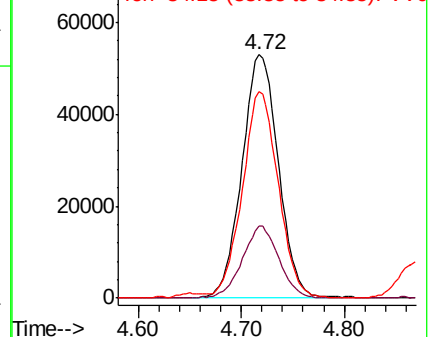
84 83.0 67.9 101.9

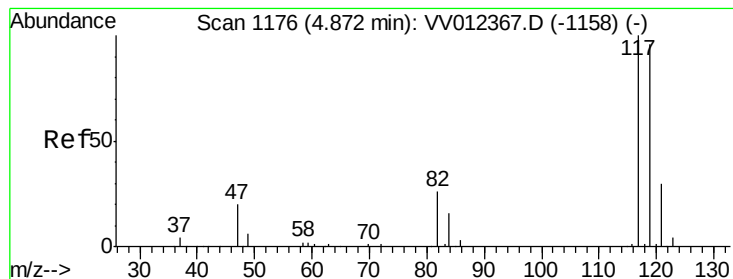


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.945 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampled :

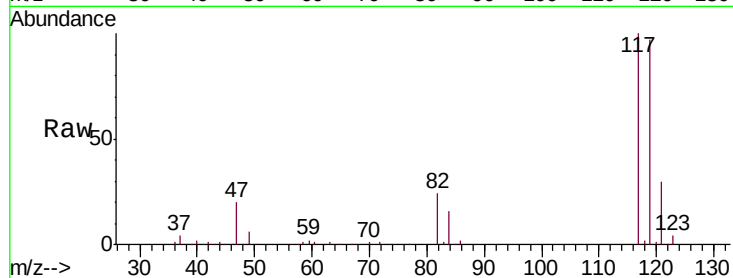
BFB53

Tgt Ion:117 Resp: 117959

Ion Ratio Lower Upper

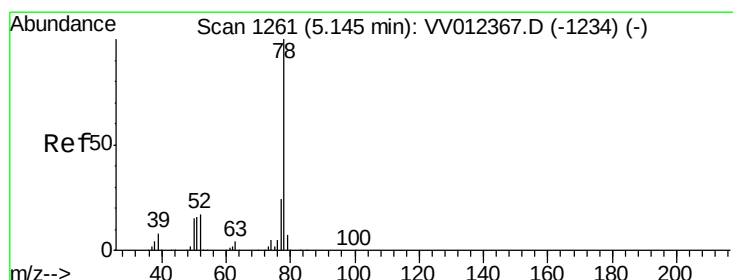
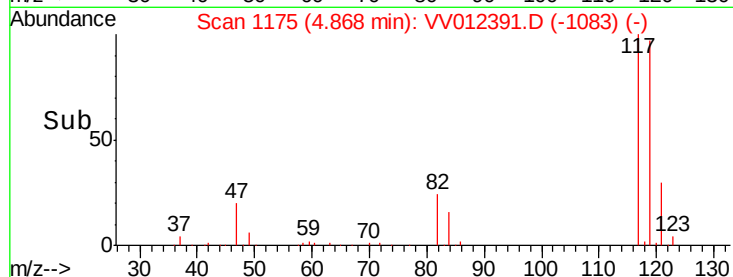
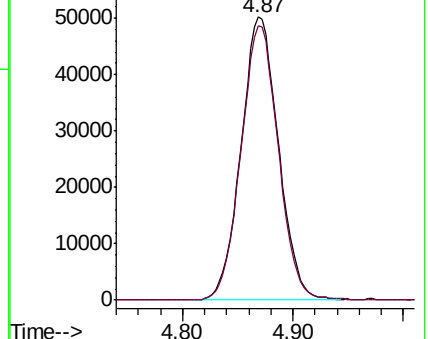
117 100

119 97.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.914 ug/L

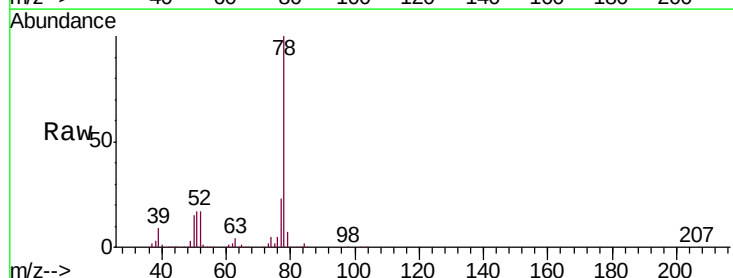
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

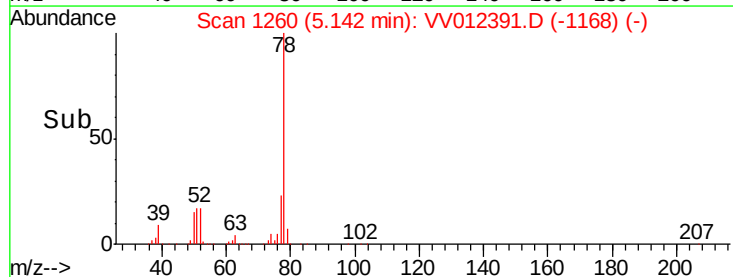
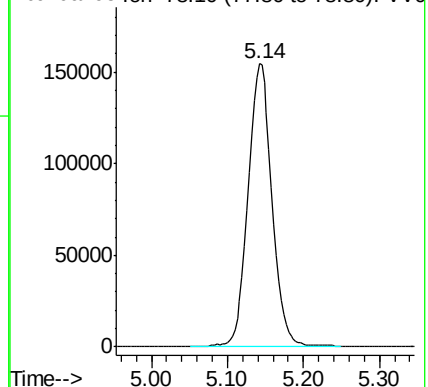
Lab File: VV012391.D

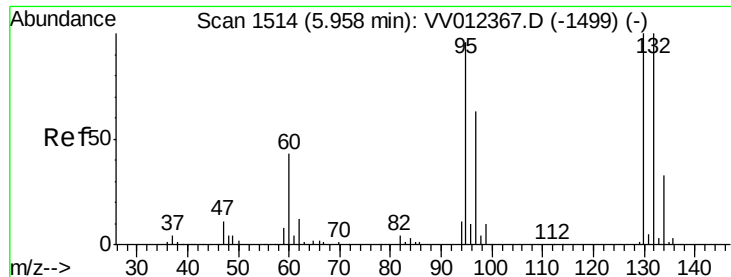
Acq: 26 Aug 2019 09:06

Tgt Ion: 78 Resp: 338311



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.758 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

Tgt Ion: 95 Resp: 88418

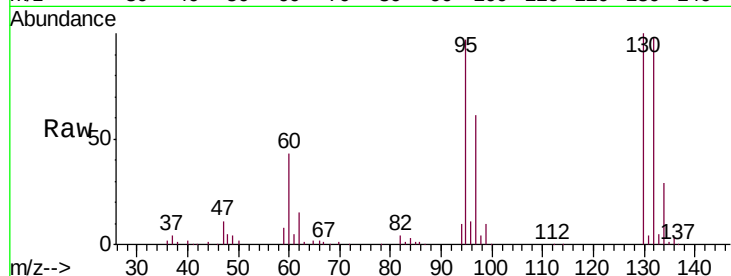
Ion Ratio Lower Upper

95 100

97 62.9 46.3 86.1

132 101.4 70.3 130.7

130 103.3 72.4 134.5

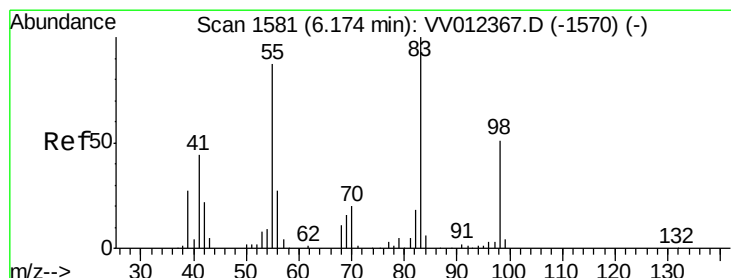
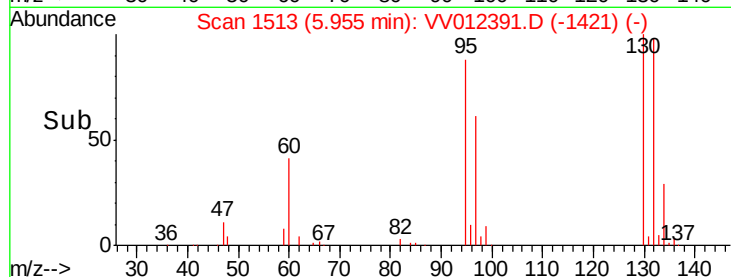
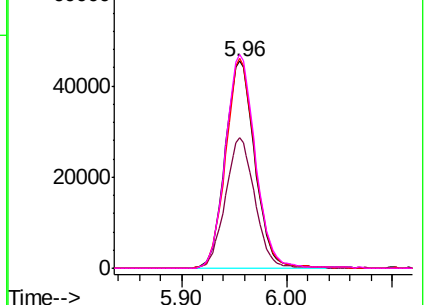


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.593 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

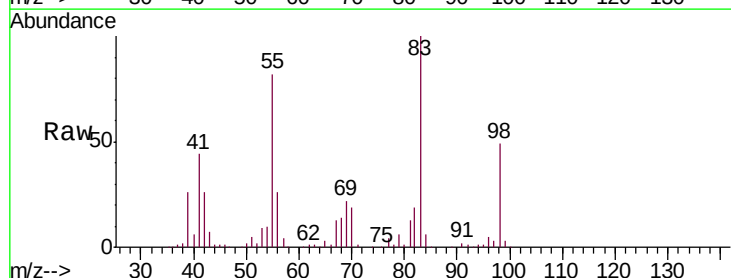
Tgt Ion: 83 Resp: 134035

Ion Ratio Lower Upper

83 100

55 83.6 64.6 97.0

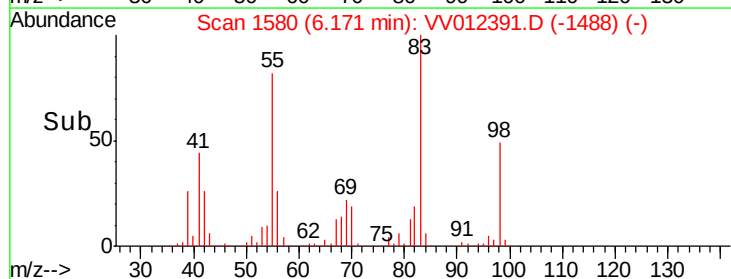
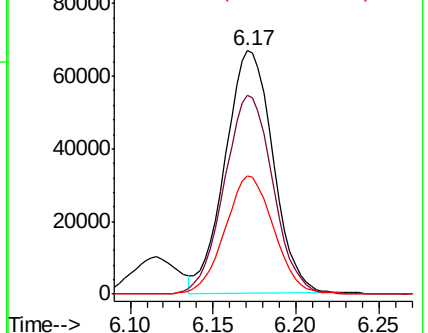
98 49.8 39.0 58.4

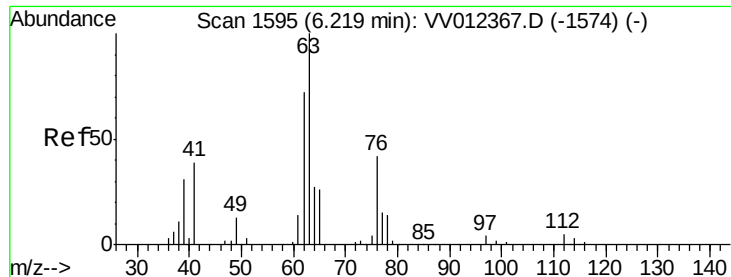


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

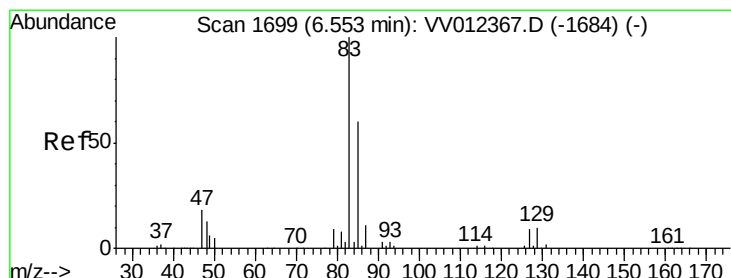
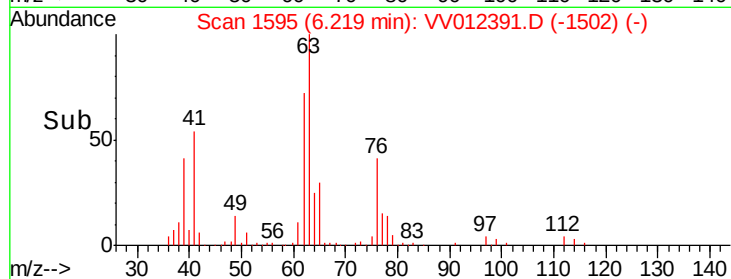
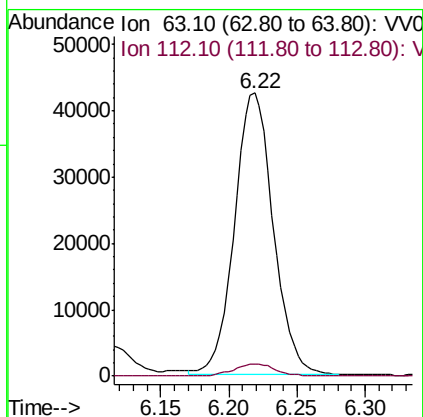
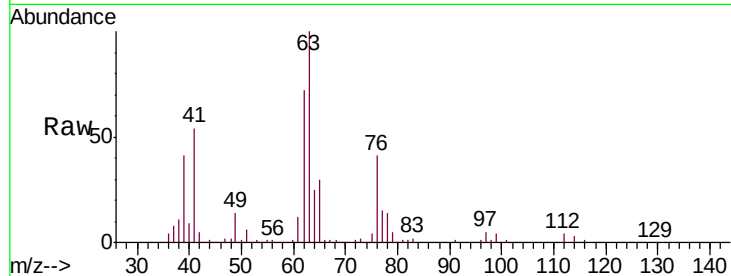




#37
 1,2-Dichloropropane
 Concen: 4.771 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

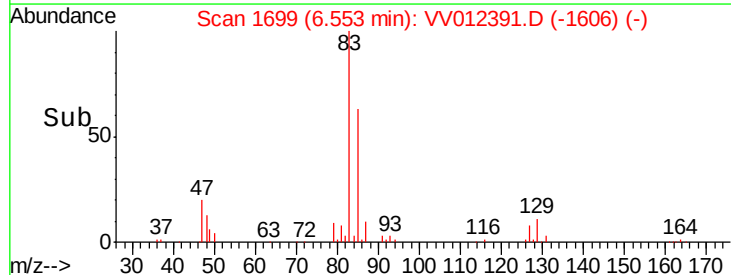
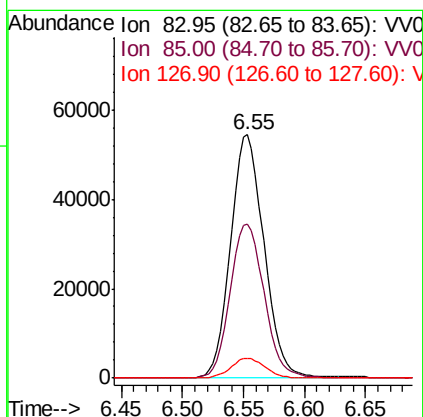
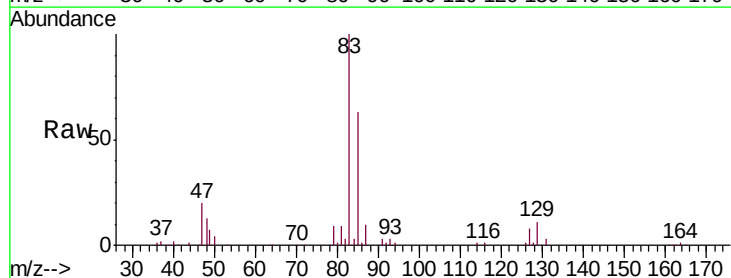
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

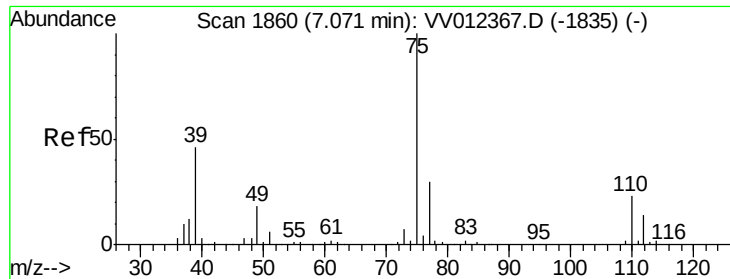
Tgt Ion: 63 Resp: 83239
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.2 6.2



#38
 Bromodichloromethane
 Concen: 4.841 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion: 83 Resp: 104190
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.0 83.6
 127 8.3 7.7 11.5

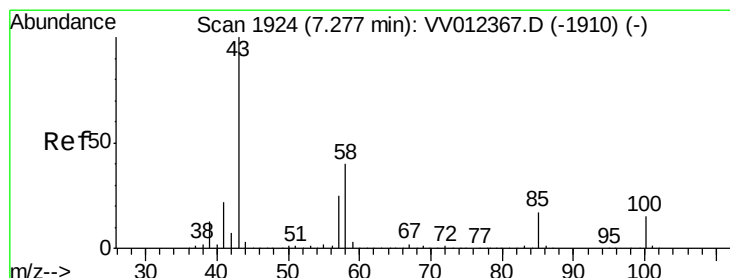
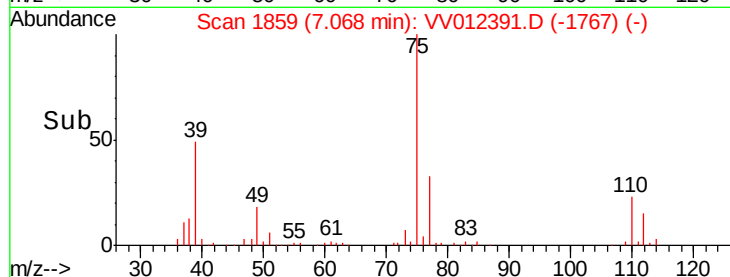
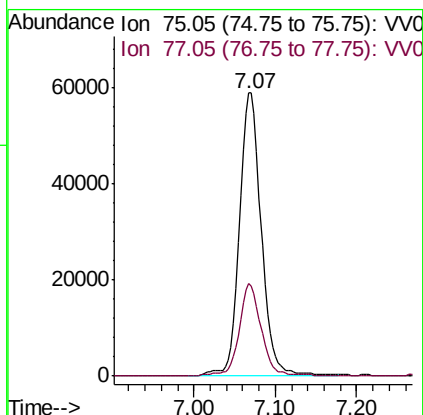
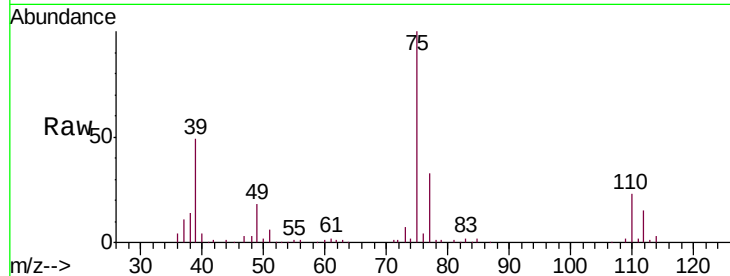




#39
 cis-1,3-Dichloropropene
 Concen: 4.678 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

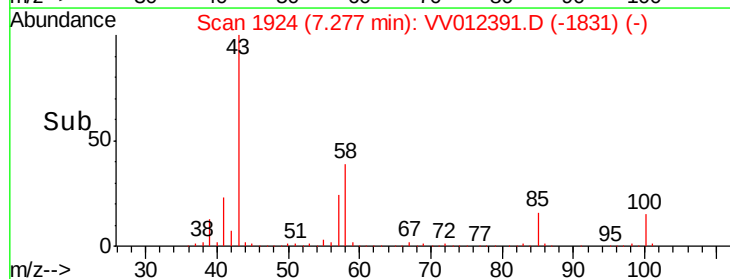
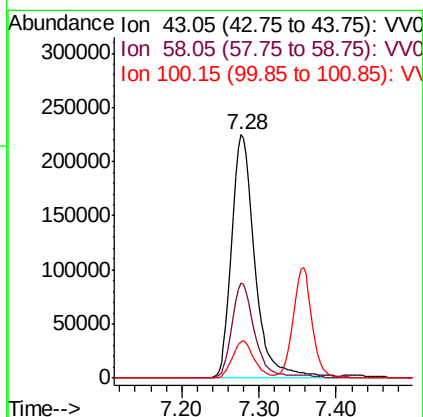
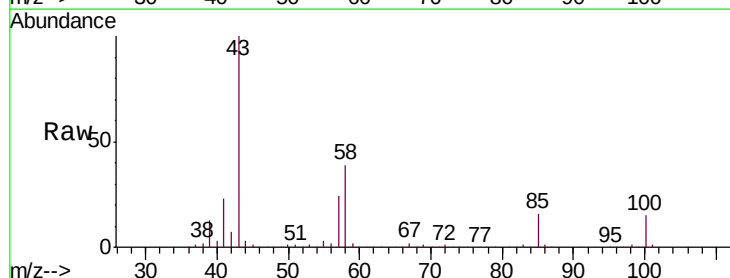
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

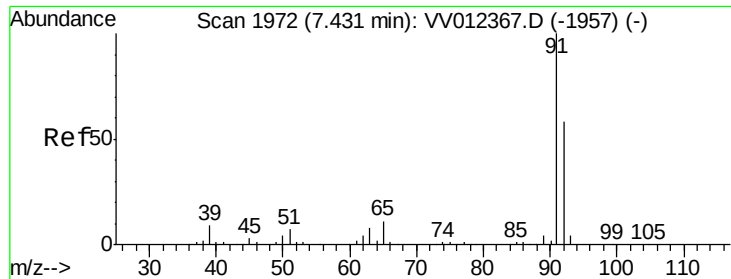
Tgt Ion: 75 Resp: 109719
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 49.635 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion: 43 Resp: 465142
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.7 46.1
 100 14.1 11.8 17.6





#42

Toluene

Concen: 5.029 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

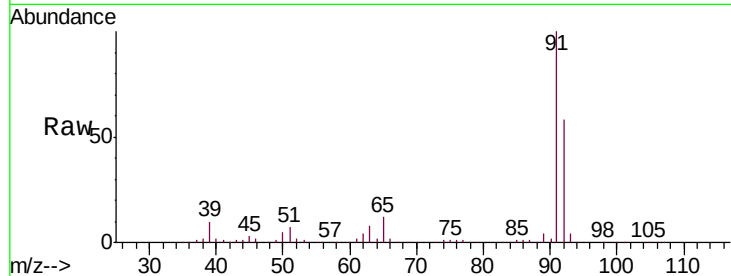
BFB53

Tgt Ion: 91 Resp: 353693

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

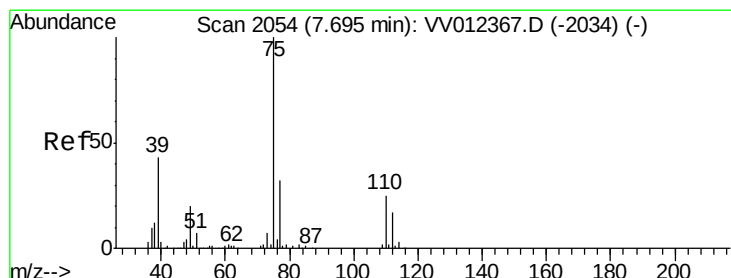
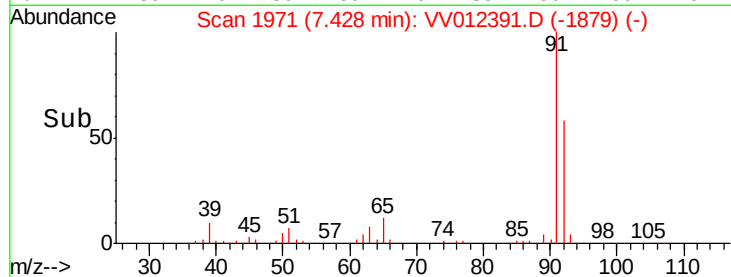
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.902 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012391.D

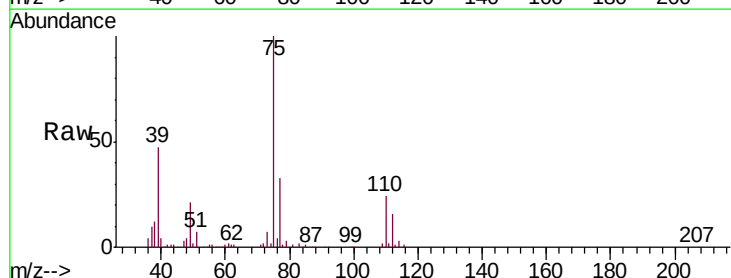
Acq: 26 Aug 2019 09:06

Tgt Ion: 75 Resp: 86965

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

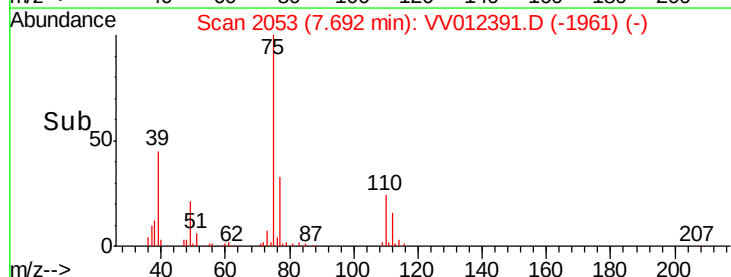
30000

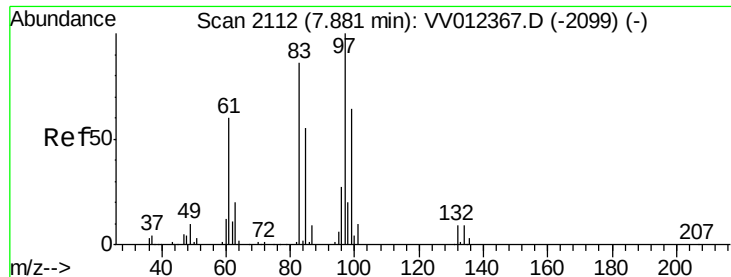
20000

10000

0

Time--> 7.60 7.70 7.80

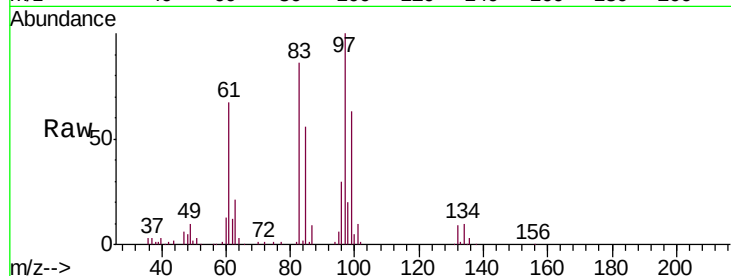




#45
 1,1,2-Trichloroethane
 Concen: 4.756 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

Tgt Ion:	97	Resp:	53758
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.0	83.6
83	86.4	59.3	110.1
85	56.4	38.8	72.0



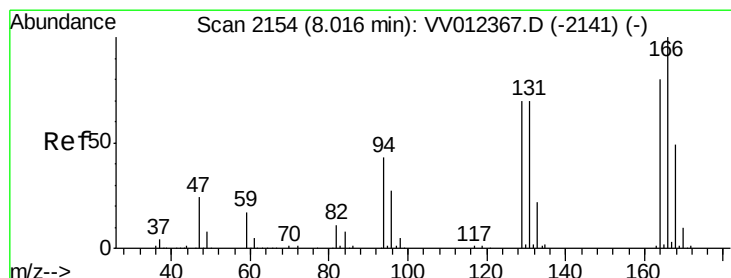
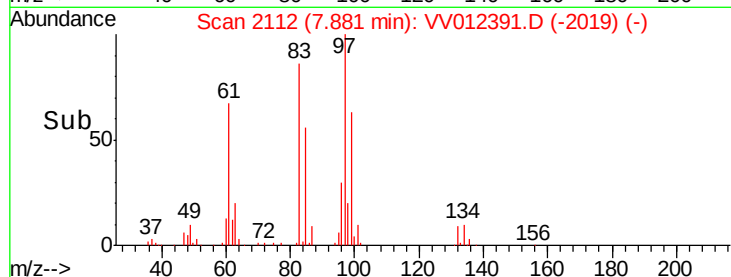
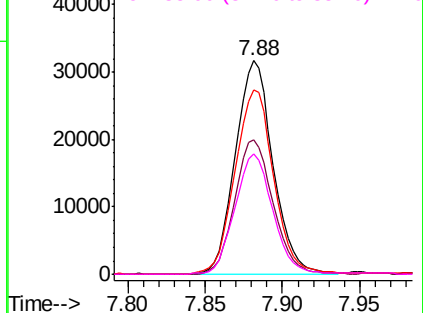
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

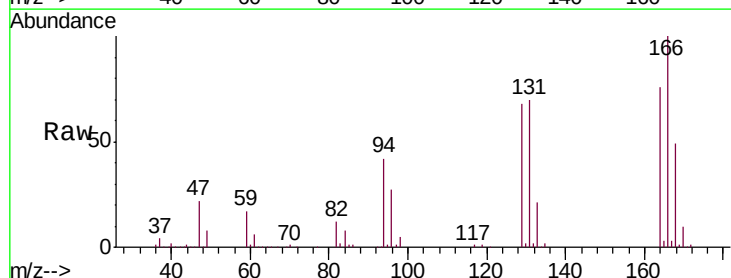
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.864 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion:	164	Resp:	72923
Ion	Ratio	Lower	Upper
164	100		
129	88.6	60.6	112.6
131	91.8	58.8	109.2
166	131.1	87.6	162.8



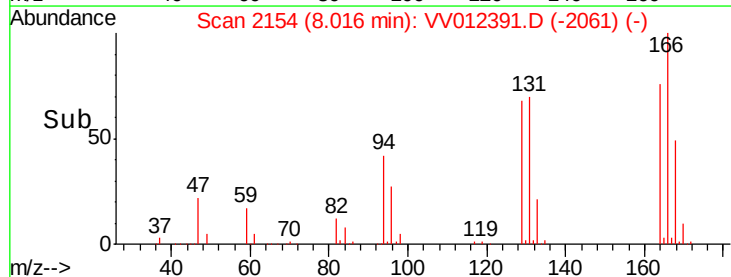
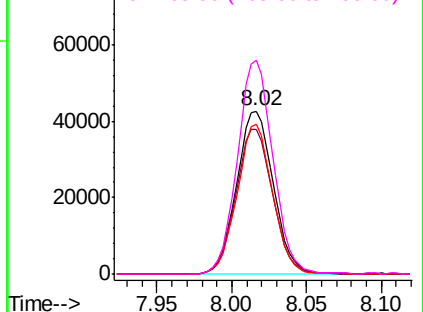
Abundance

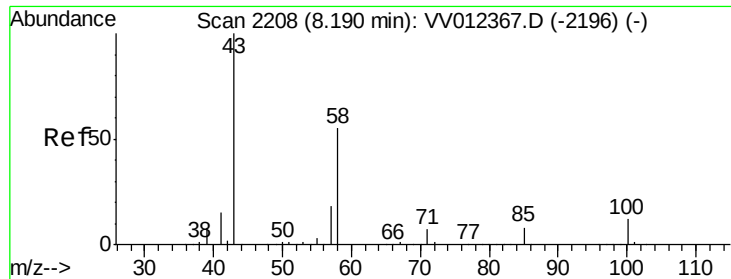
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

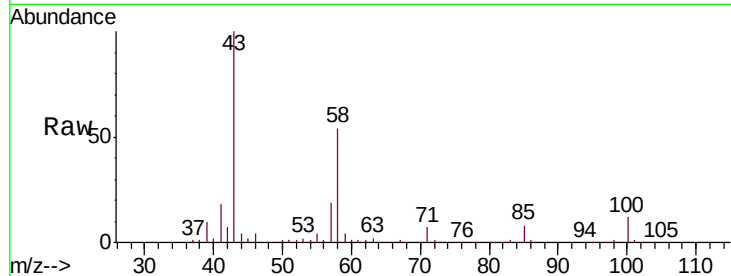




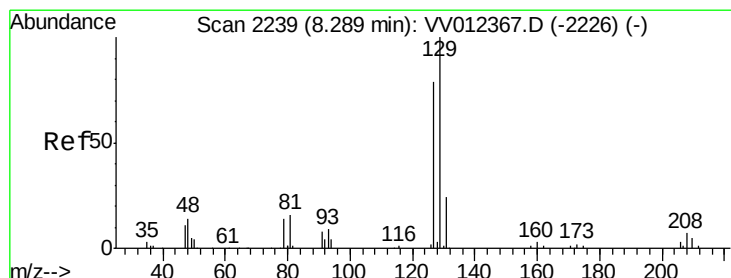
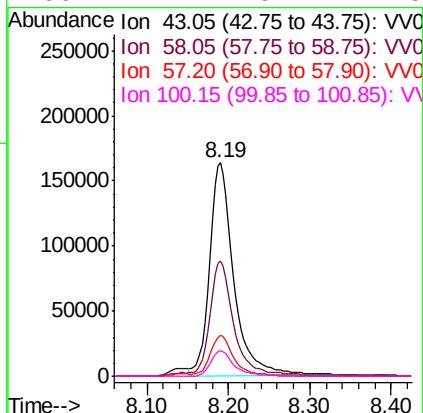
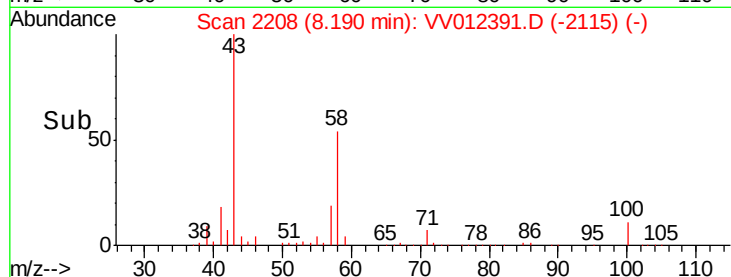
#48
2-Hexanone
Concen: 50.431 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Tgt Ion:	43	Resp:	340058
Ion	Ratio	Lower	Upper
43	100		
58	56.1	46.3	69.5
57	18.6	14.9	22.3
100	11.2	9.7	14.5

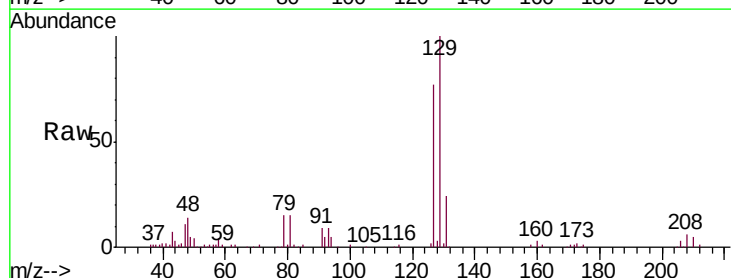


Abundance Ion 43.05 (42.75 to 43.75): VV012391.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012391.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012391.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012391.D (-2115) (-)

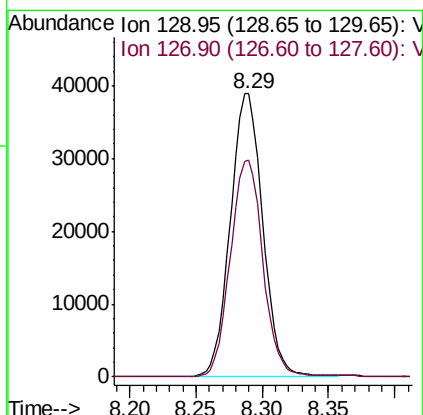
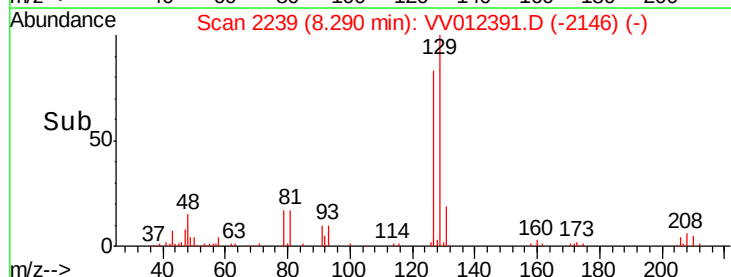


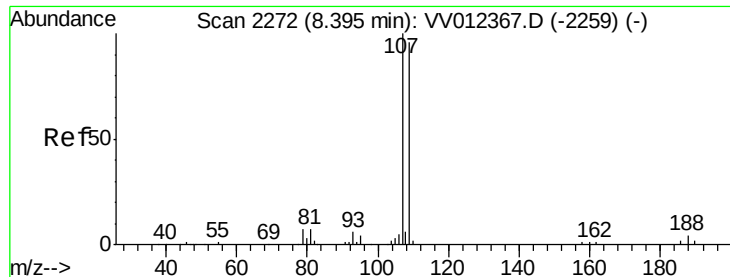
#49
Dibromochloromethane
Concen: 4.893 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion:	129	Resp:	66263
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV012391.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012391.D (-2146) (-)

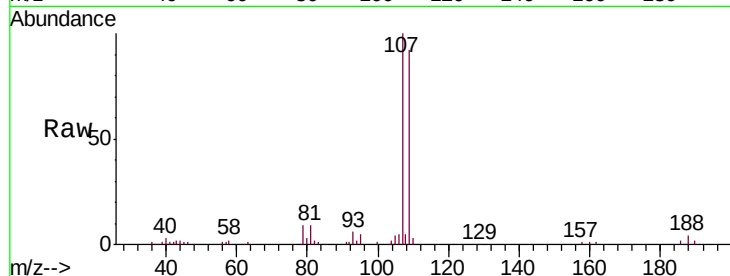




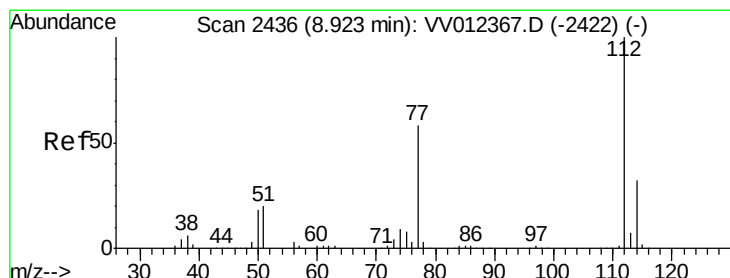
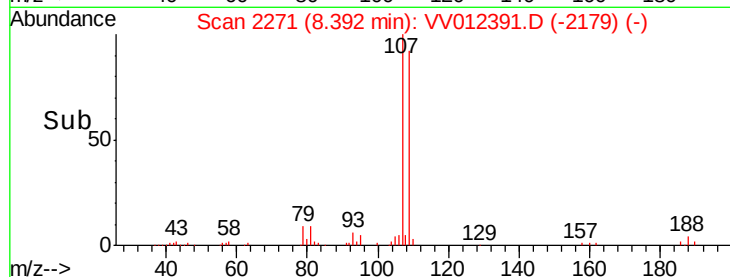
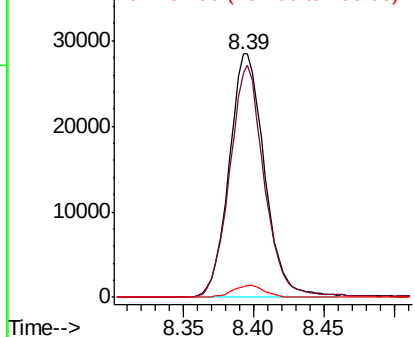
#50
1,2-Dibromoethane
Concen: 4.690 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Tgt Ion:107 Resp: 50110
Ion Ratio Lower Upper
107 100
109 92.4 64.9 120.5
188 4.4 3.5 5.3

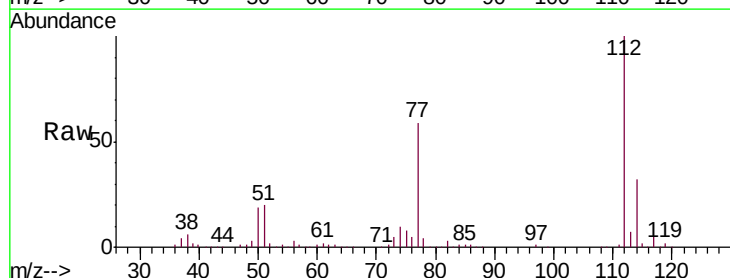


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

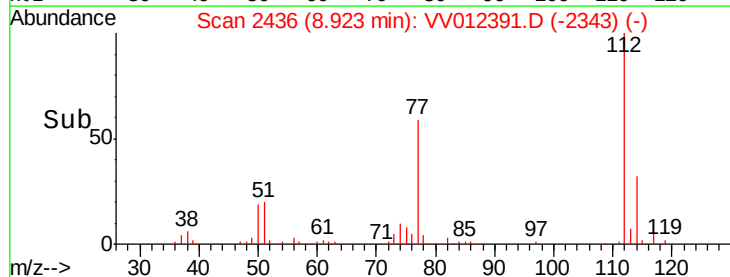
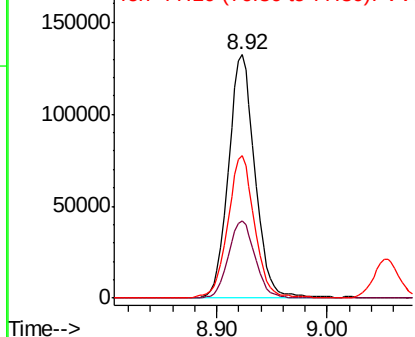


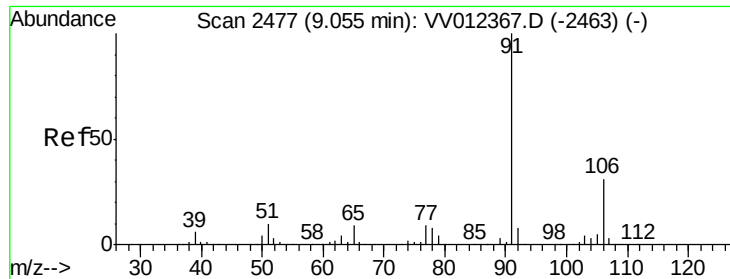
#51
Chlorobenzene
Concen: 4.792 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012391.D
Acq: 26 Aug 2019 09:06

Tgt Ion:112 Resp: 220156
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 58.7 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.796 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

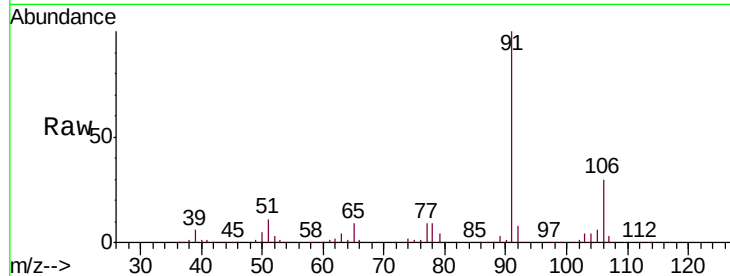
BFB53

Tgt Ion: 91 Resp: 363069

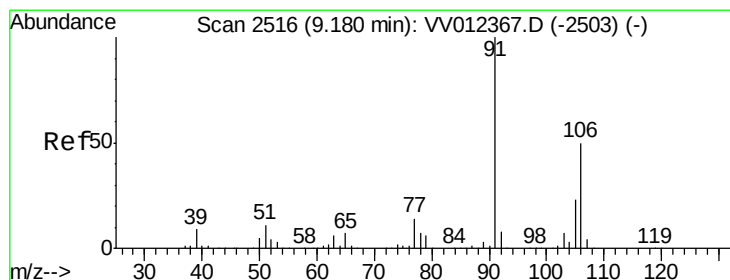
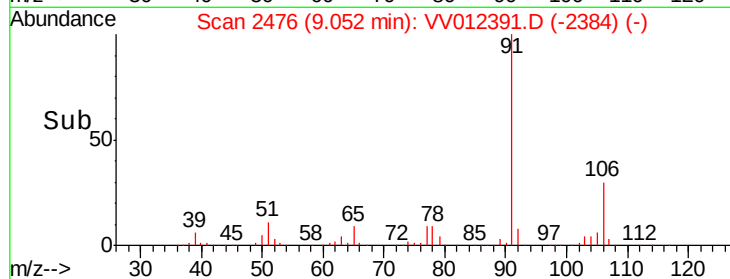
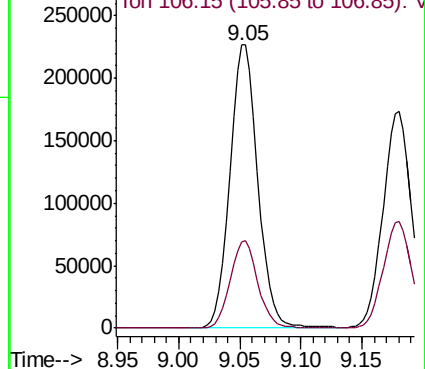
Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012367.D (-2463) (-)



#53

m,p-xylene

Concen: 4.888 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012391.D

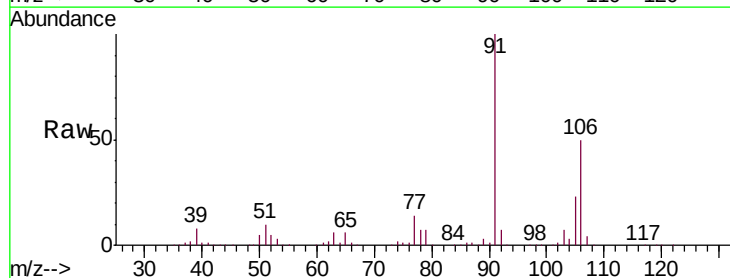
Acq: 26 Aug 2019 09:06

Tgt Ion: 106 Resp: 138698

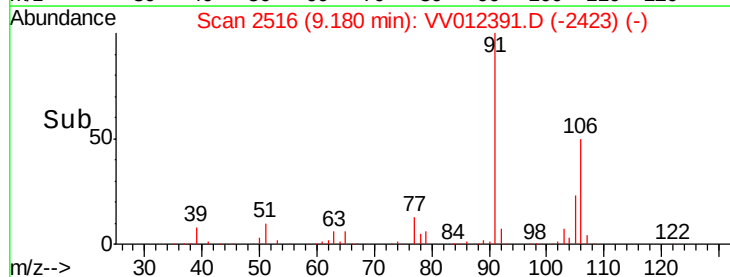
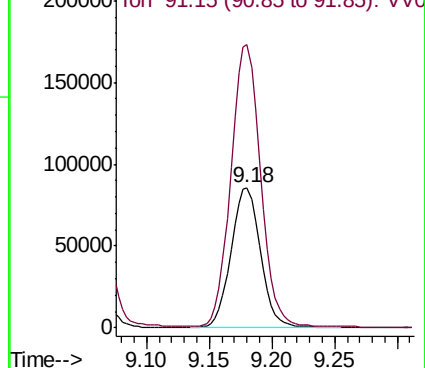
Ion Ratio Lower Upper

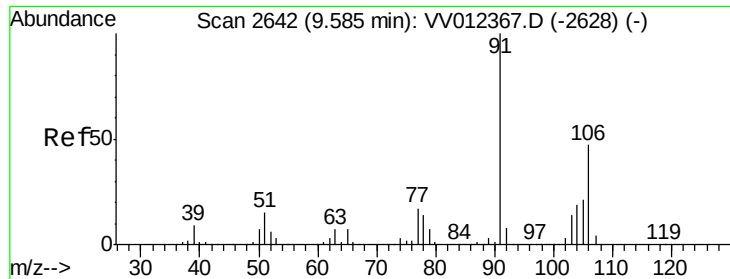
106 100

91 201.9 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV012367.D (-2503) (-)





#54

o-xylene

Concen: 4.968 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

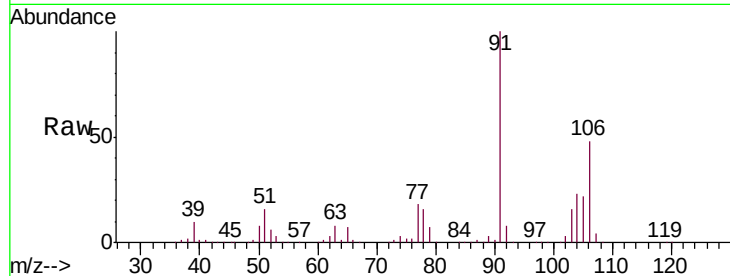
BFB53

Tgt Ion:106 Resp: 134155

Ion Ratio Lower Upper

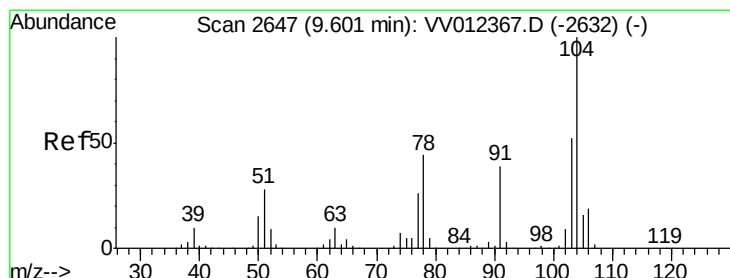
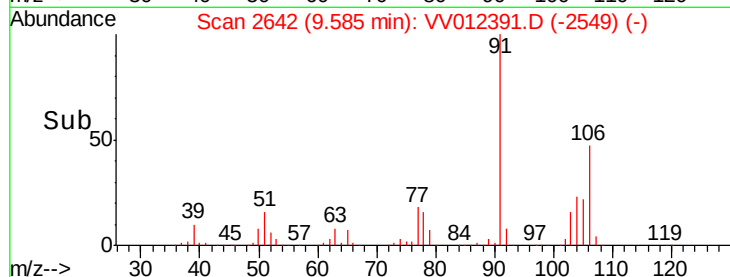
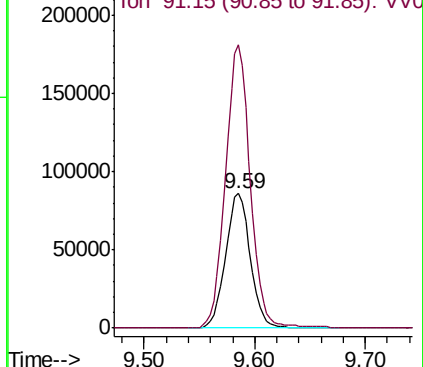
106 100

91 210.5 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.110 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012391.D

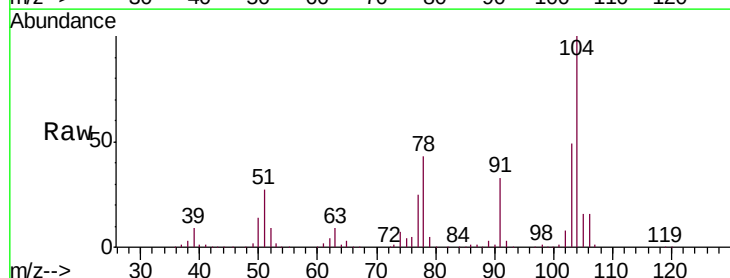
Acq: 26 Aug 2019 09:06

Tgt Ion:104 Resp: 230884

Ion Ratio Lower Upper

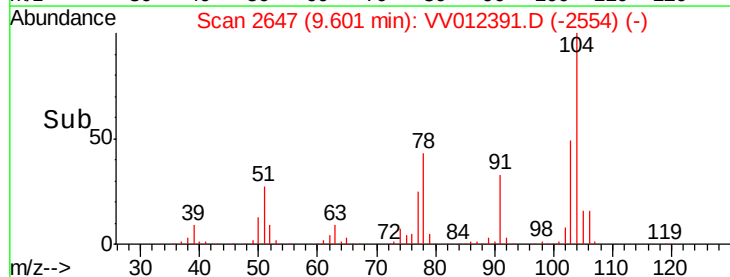
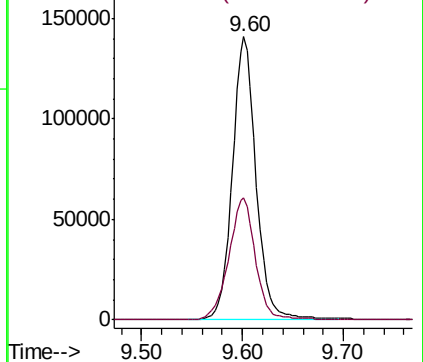
104 100

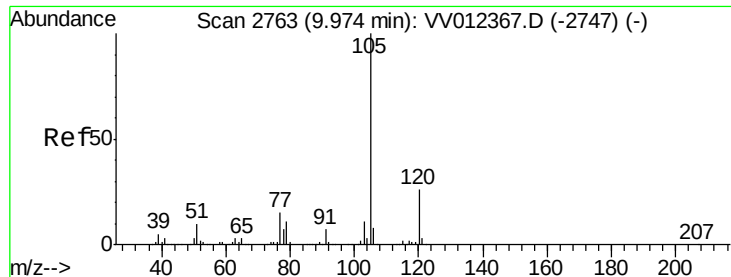
78 43.1 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.883 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

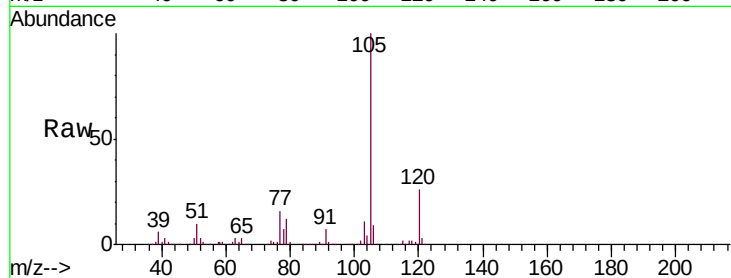
Tgt Ion: 105 Resp: 352892

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

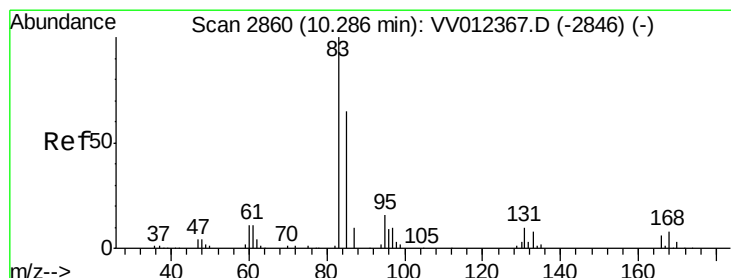
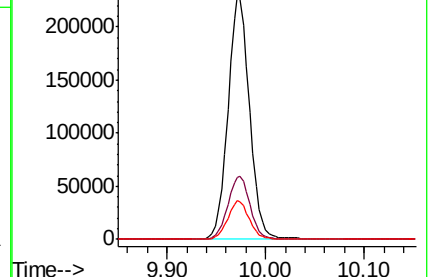
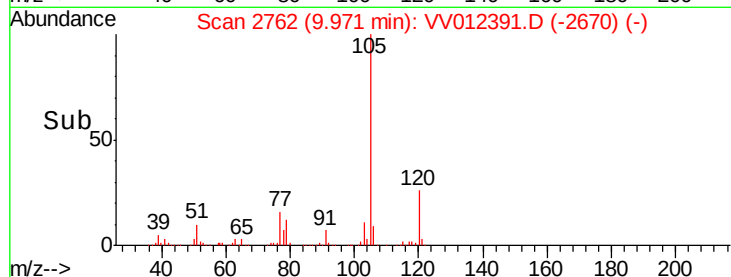
77 15.8 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.780 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

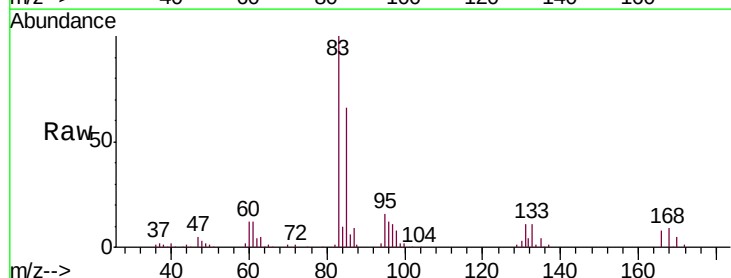
Tgt Ion: 83 Resp: 57989

Ion Ratio Lower Upper

83 100

85 65.6 46.5 86.5

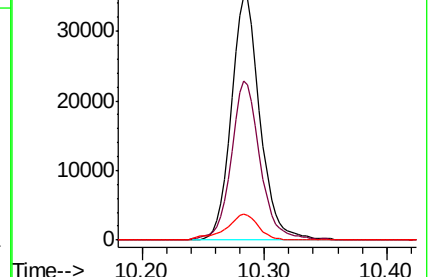
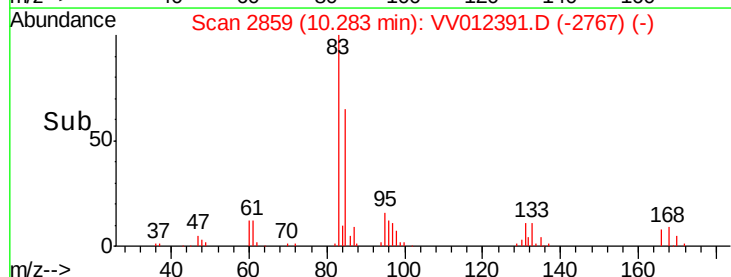
131 10.6 8.9 13.3

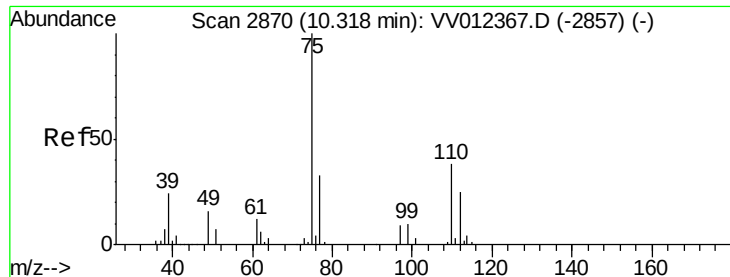


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

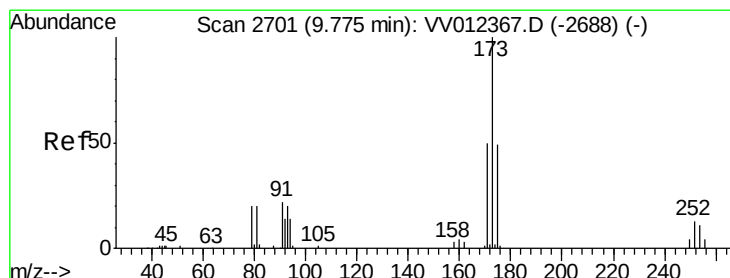
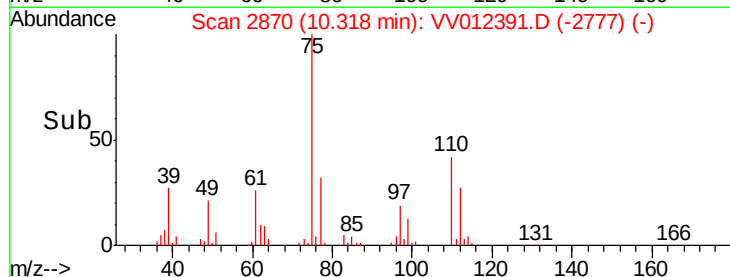
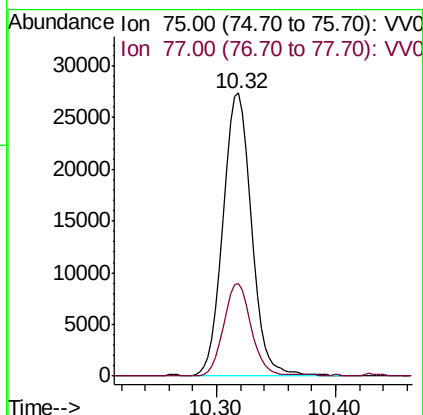
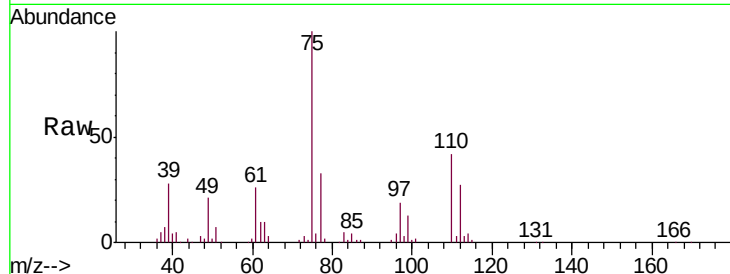




#59
 1,2,3-Trichloropropane
 Concen: 4.772 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

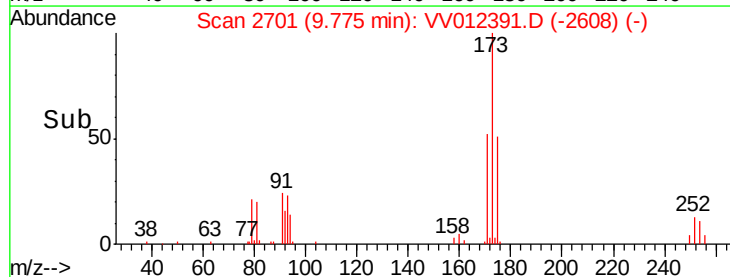
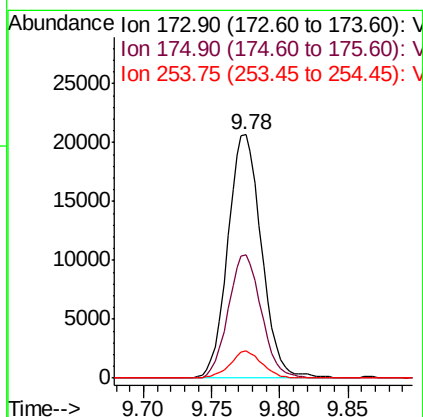
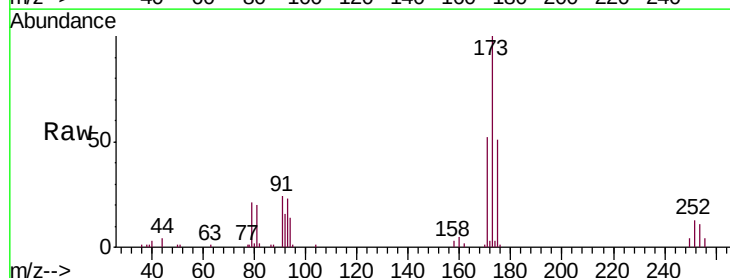
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

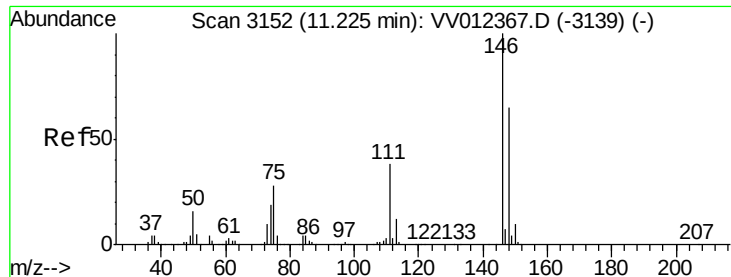
Tgt Ion: 75 Resp: 45736
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.9 38.9



#61
 Bromoform
 Concen: 4.517 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion: 173 Resp: 35405
 Ion Ratio Lower Upper
 173 100
 175 49.7 40.7 61.1
 254 10.6 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 4.643 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

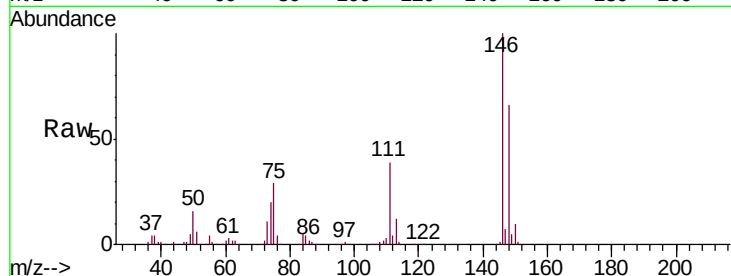
Tgt Ion:146 Resp: 172266

Ion Ratio Lower Upper

146 100

111 39.0 27.0 50.2

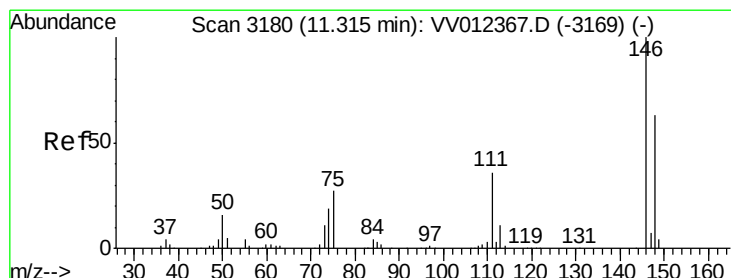
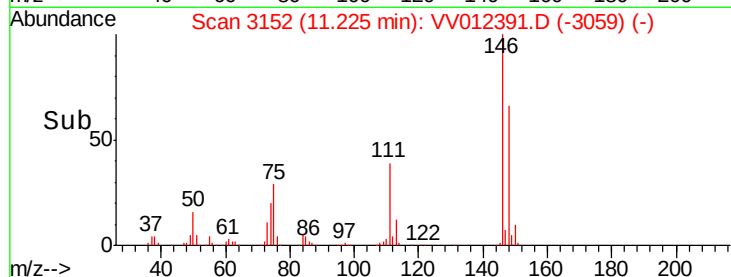
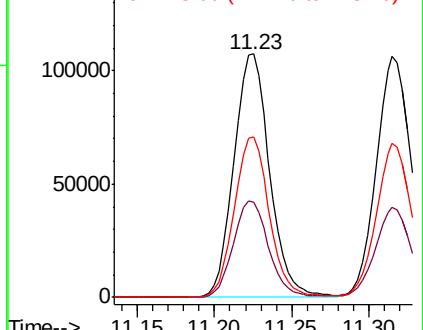
148 65.7 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.637 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

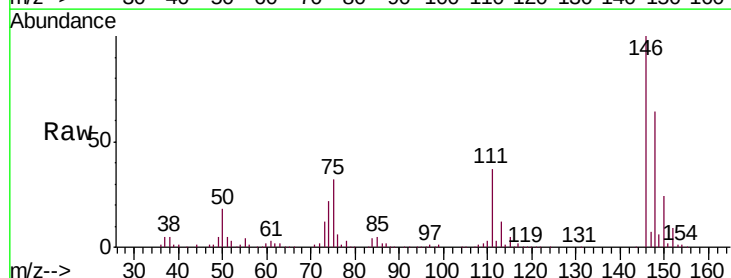
Tgt Ion:146 Resp: 172303

Ion Ratio Lower Upper

146 100

111 37.3 25.7 47.7

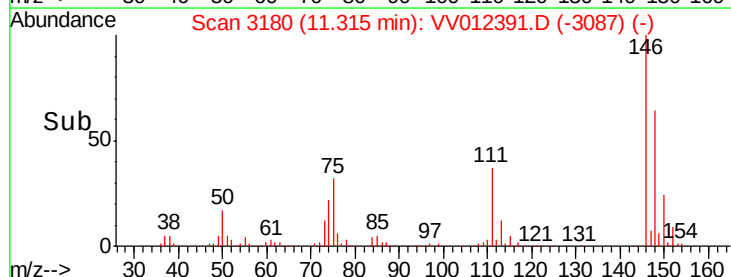
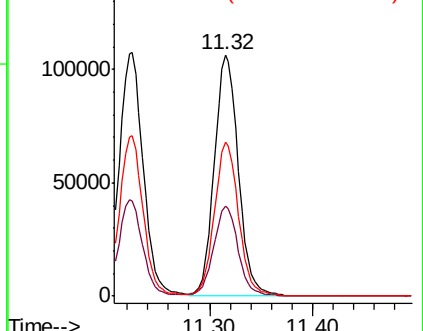
148 64.0 45.0 83.6

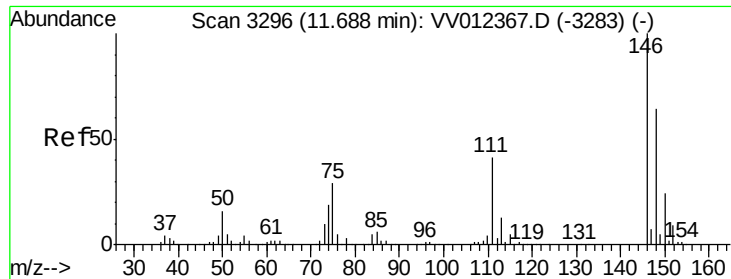


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

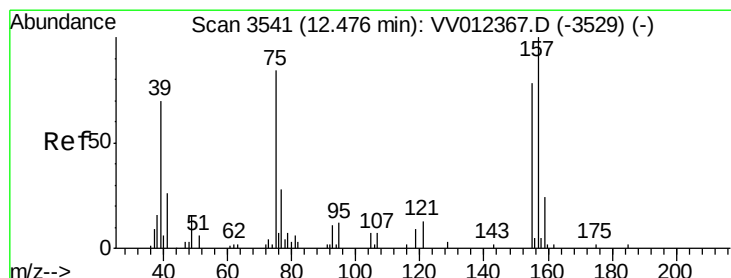
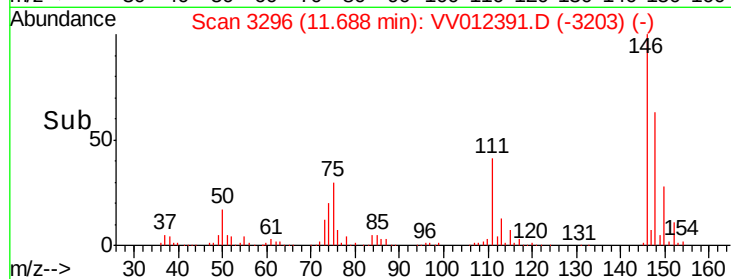
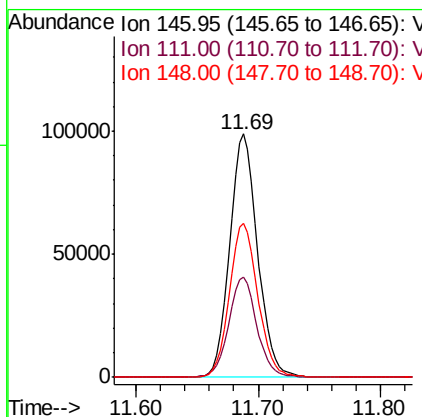
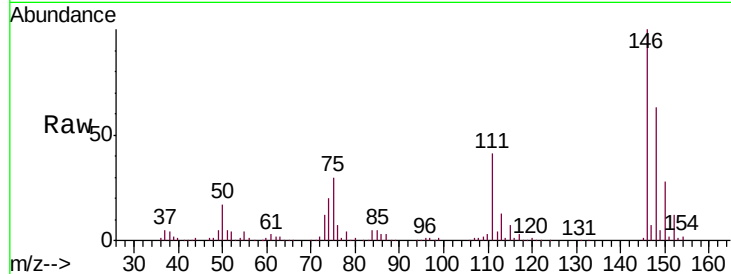




#65
 1,2-Dichlorobenzene
 Concen: 4.610 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

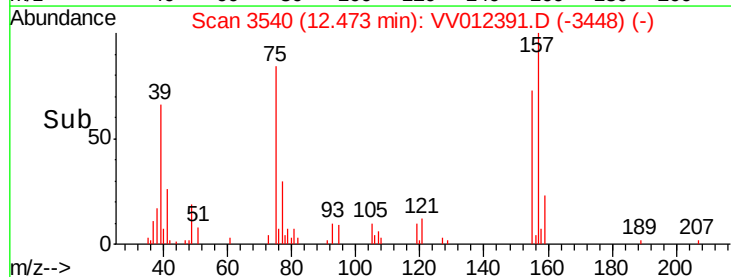
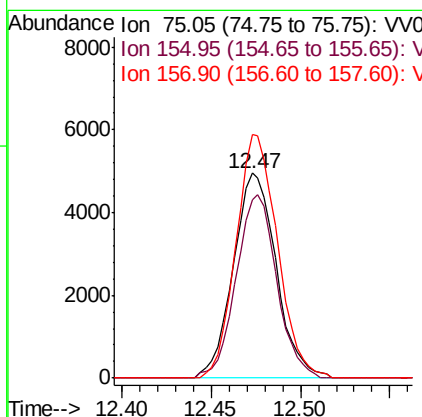
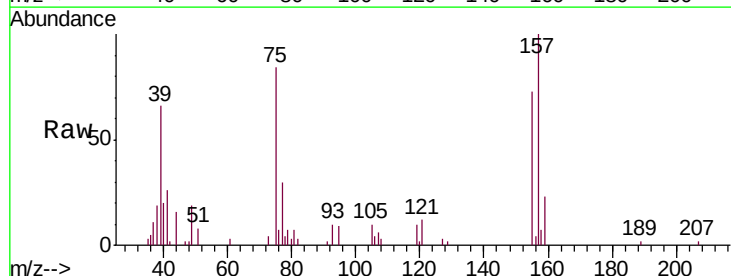
Instrument :
 MSVOA_V
 ClientSampled :
 BFB53

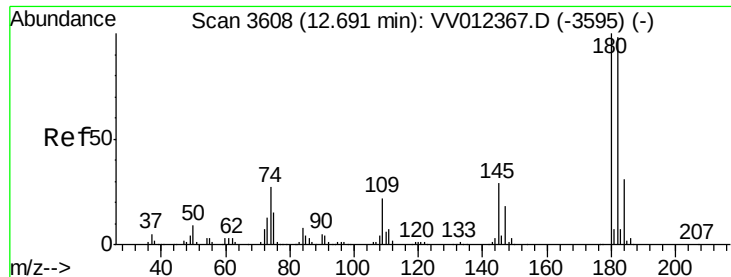
Tgt Ion: 146 Resp: 157290
 Ion Ratio Lower Upper
 146 100
 111 41.1 31.9 47.9
 148 63.2 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.240 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion: 75 Resp: 8293
 Ion Ratio Lower Upper
 75 100
 155 87.0 72.6 109.0
 157 118.8 80.5 120.7

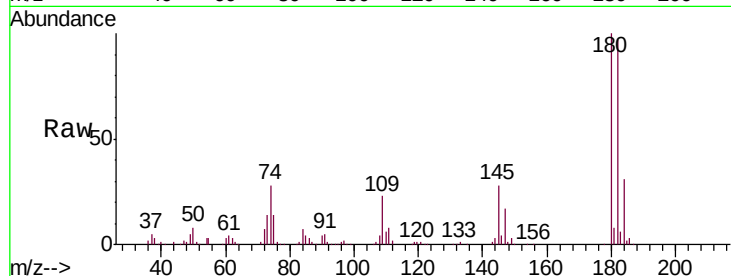




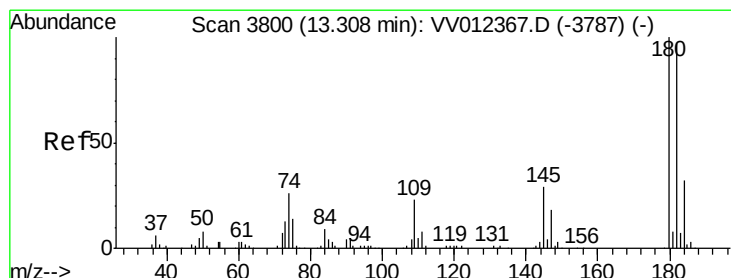
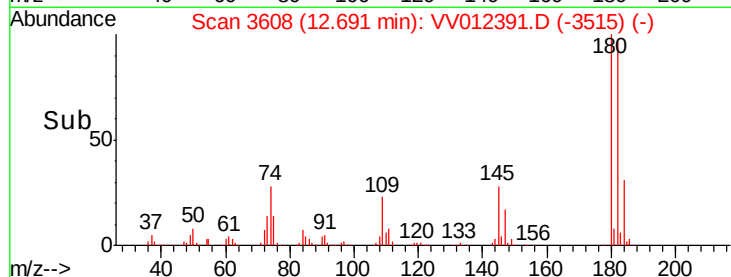
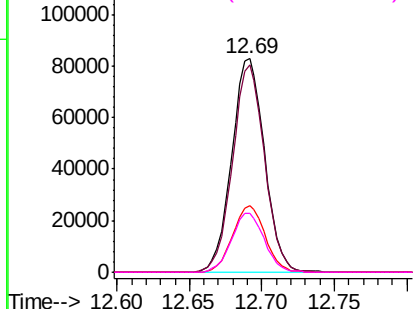
#67
 1,3,5-Trichlorobenzene
 Concen: 4.569 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

Tgt Ion:180 Resp: 129794
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.4 114.6
 184 31.0 23.9 35.9
 145 27.7 22.1 33.1

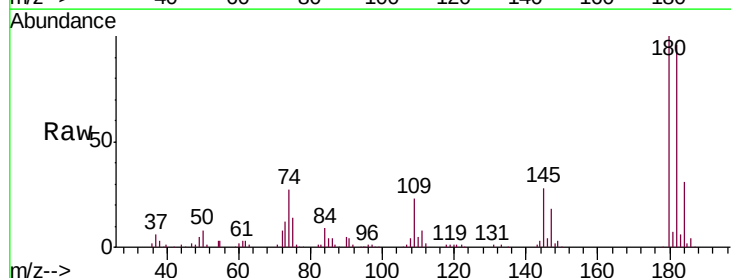


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

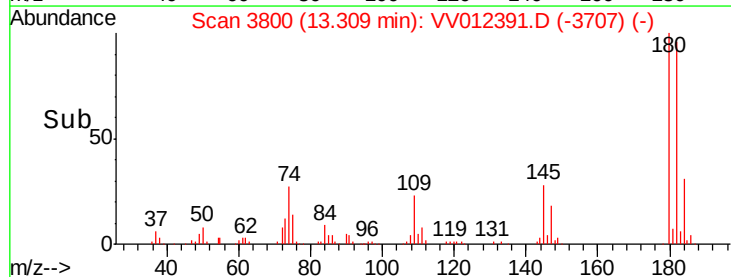
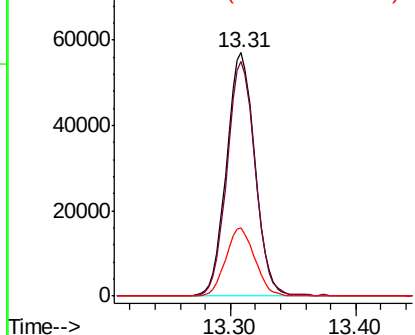


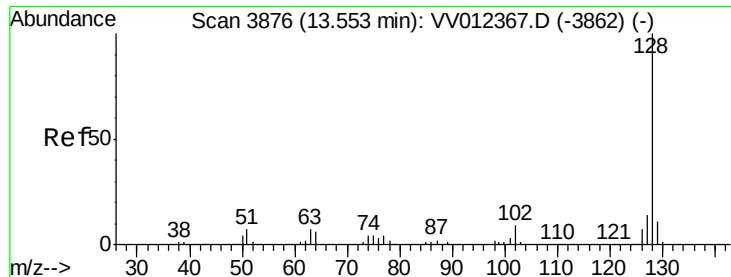
#68
 1,2,4-trichlorobenzene
 Concen: 4.529 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012391.D
 Acq: 26 Aug 2019 09:06

Tgt Ion:180 Resp: 89655
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.3 115.9
 145 28.7 22.6 34.0



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: 3.910 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

BFB53

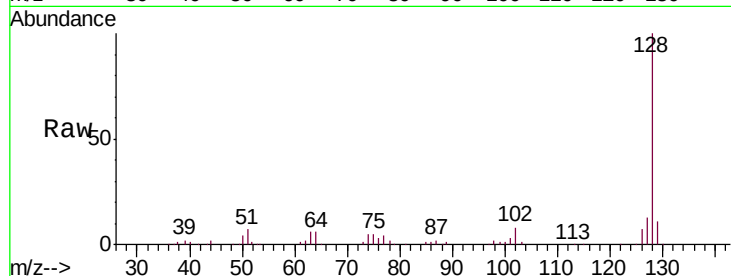
Tgt Ion:128 Resp: 107148

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

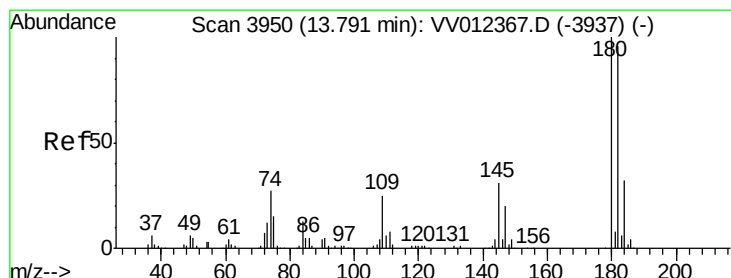
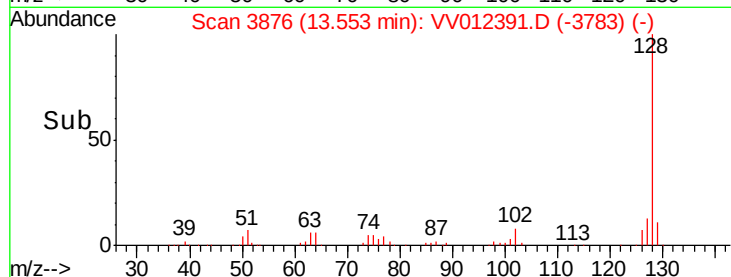
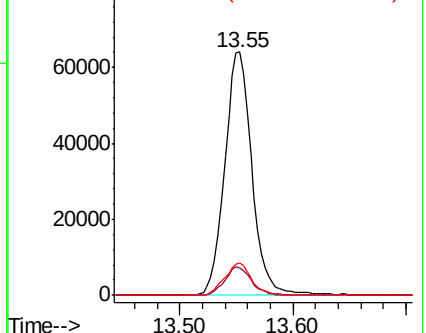
127 13.1 10.5 15.7



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: 4.509 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012391.D

Acq: 26 Aug 2019 09:06

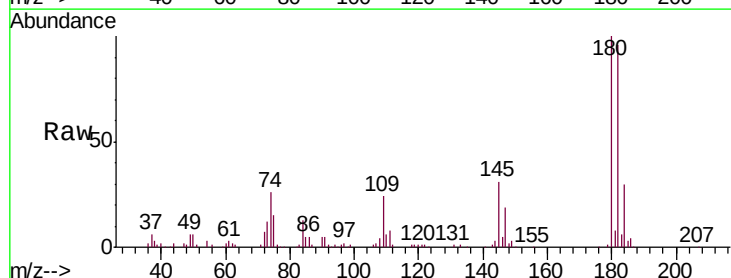
Tgt Ion:180 Resp: 83609

Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

145 31.0 23.4 35.2



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

