

Data File : VV007034.D
Acq On : 16 Aug 2018 10:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB85

Quant Time: Aug 17 01:11:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 16 02:48:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	232998	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	222786	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	99203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68559	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.58	69	57489	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.13	63	135224	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.97	46	138466	32.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.02%
24) Chloroform-d	4.40	84	135062	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.09	65	64912	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.10	84	262117	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.12	67	82677	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.36	98	242274	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.67	79	29093	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.14	63	92724	33.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.62%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	61997	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	74167	4.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	115860	5.106	ug/L 99
3) Chloromethane	1.25	50	119837	5.488	ug/L 100
5) Vinyl chloride	1.32	62	114736	5.084	ug/L 99
6) Bromomethane	1.54	94	36485	7.448	ug/L 95
8) Chloroethane	1.60	64	68905	5.032	ug/L 99
9) Trichlorofluoromethane	1.77	101	151314	5.269	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	93056	5.399	ug/L 99
12) 1,1-Dichloroethene	2.14	96	86876	5.192	ug/L 93
13) Acetone	2.22	43	94710	42.526	ug/L 98
14) Carbon disulfide	2.32	76	262927	4.760	ug/L 100
15) Methyl Acetate	2.47	43	26597	4.243	ug/L 99
16) Methylene chloride	2.54	84	91442	4.533	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	202741	5.054	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	93338	5.210	ug/L 99
19) 1,1-Dichloroethane	3.23	63	166171	5.138	ug/L 99
21) 2-Butanone	4.06	43	213517	44.156	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	98895	4.864	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46069	5.560	ug/L	88
25) Chloroform	4.43	83	188997	5.341	ug/L	100
27) 1,2-Dichloroethane	5.19	62	112038	5.077	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	158720	5.343	ug/L	99
30) Cyclohexane	4.72	56	148049	4.788	ug/L	99
31) Carbon tetrachloride	4.87	117	134453	5.397	ug/L	97
33) Benzene	5.15	78	411106	5.326	ug/L	100
34) Trichloroethene	5.96	95	98194	5.306	ug/L	95
35) Methylcyclohexane	6.18	83	147308	4.958	ug/L	99
37) 1,2-Dichloropropane	6.22	63	111681	5.286	ug/L	99
38) Bromodichloromethane	6.56	83	125302	5.220	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	129331	5.067	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	566850	49.670	ug/L	97
42) Toluene	7.43	91	417893	5.634	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	110165	5.259	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	73539	5.351	ug/L	97
47) Tetrachloroethene	8.02	164	84197	5.611	ug/L	95
48) 2-Hexanone	8.20	43	420619	52.258	ug/L	97
49) Dibromochloromethane	8.30	129	82383	5.714	ug/L	100
50) 1,2-Dibromoethane	8.40	107	63446	5.465	ug/L #	99
51) Chlorobenzene	8.93	112	256752	5.431	ug/L	99
52) Ethylbenzene	9.06	91	388474	5.245	ug/L	99
53) m,p-xylene	9.19	106	147529	5.344	ug/L	100
54) o-xylene	9.59	106	141180	5.397	ug/L	98
55) Styrene	9.61	104	244086	5.535	ug/L	99
56) Isopropylbenzene	9.98	105	368175	5.364	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86567	5.182	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	62720	5.304	ug/L	99
61) Bromoform	9.78	173	42471	5.653	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	174451	5.434	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	176265	5.357	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	175886	5.570	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10282	4.587	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	133348	5.489	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	92128	5.167	ug/L	99
69) Naphthalene	13.56	128	118914	4.644	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	89411	5.202	ug/L	98

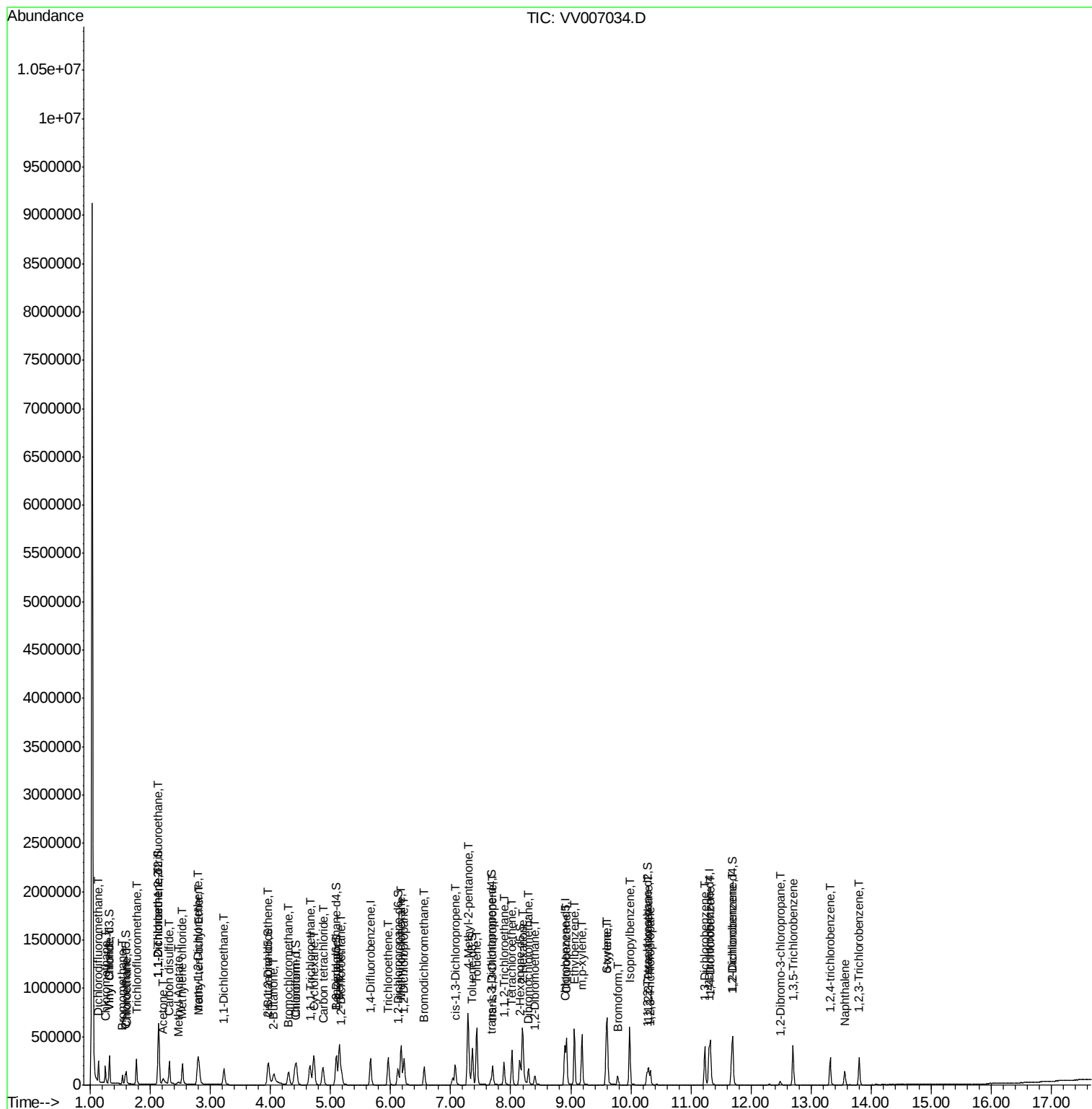
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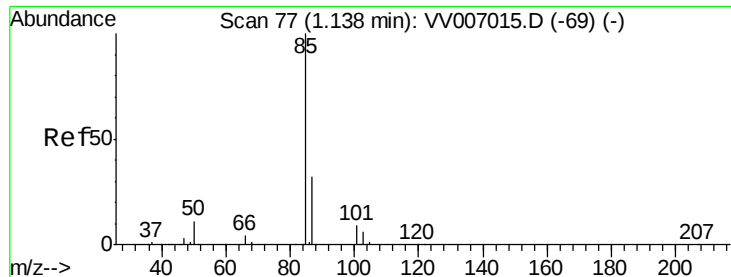
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#2

Dichlorodifluoromethane

Concen: 5.106 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

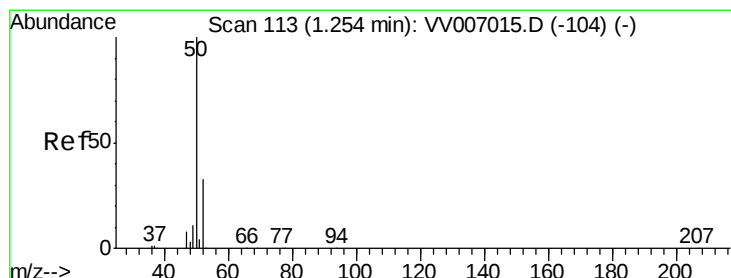
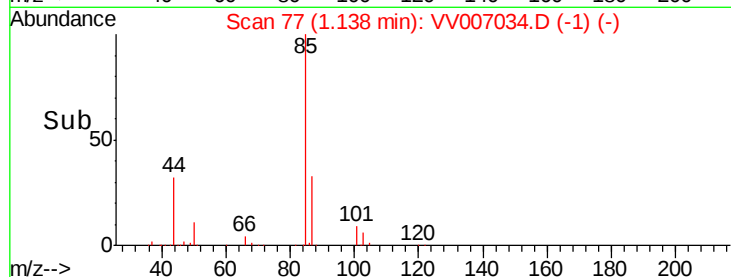
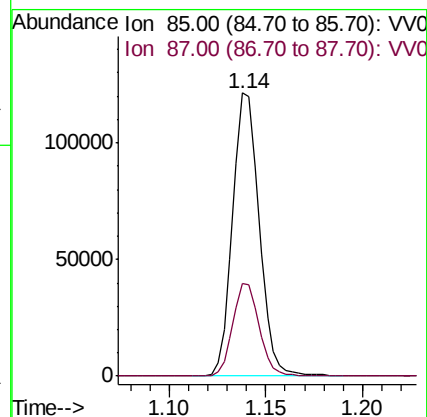
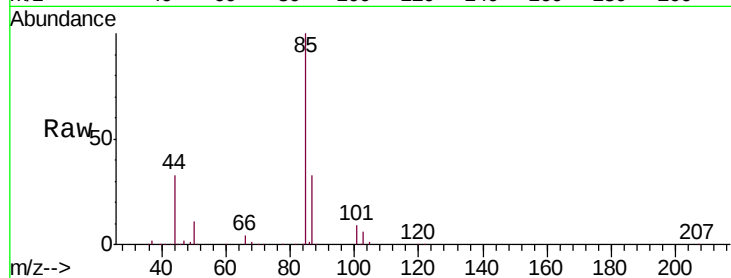
BFB85

Tgt Ion: 85 Resp: 115860

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.2



#3

Chloromethane

Concen: 5.488 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007034.D

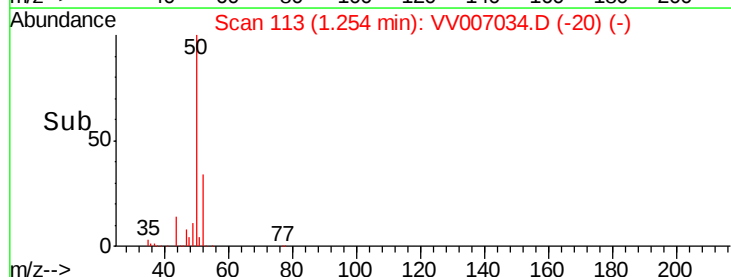
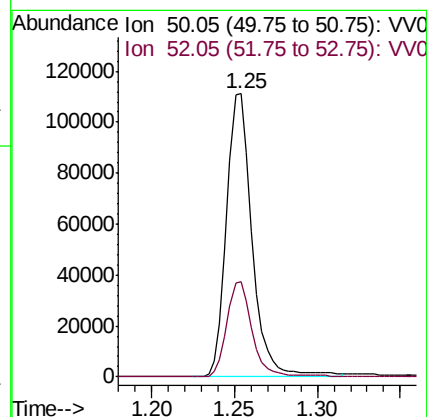
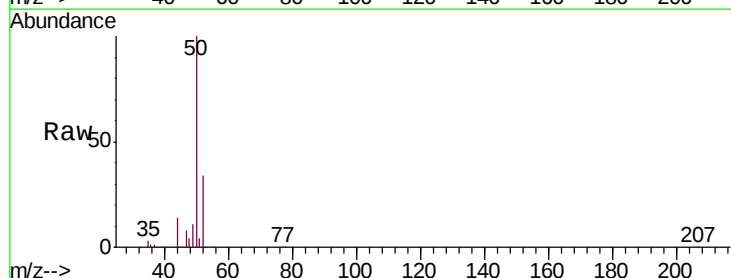
Acq: 16 Aug 2018 10:28

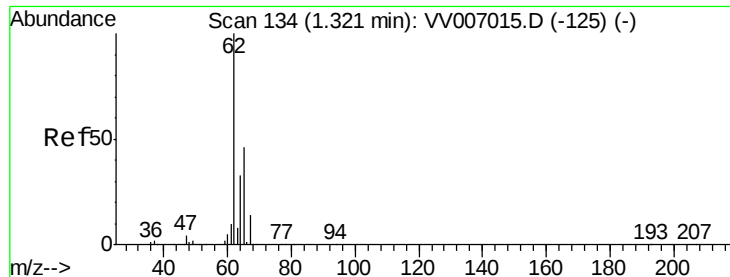
Tgt Ion: 50 Resp: 119837

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8





#5

Vinyl chloride

Concen: 5.084 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampled :

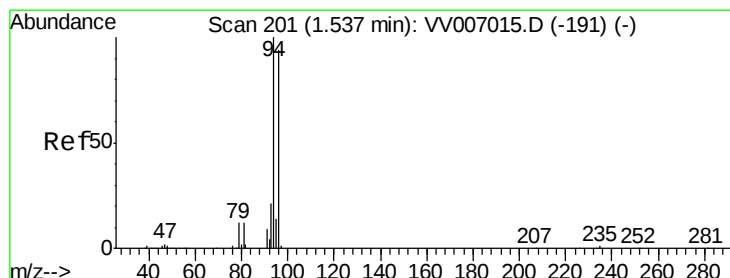
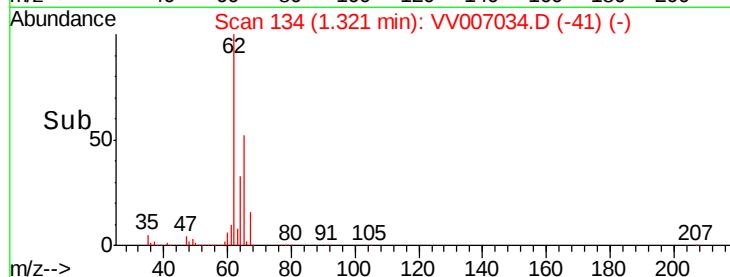
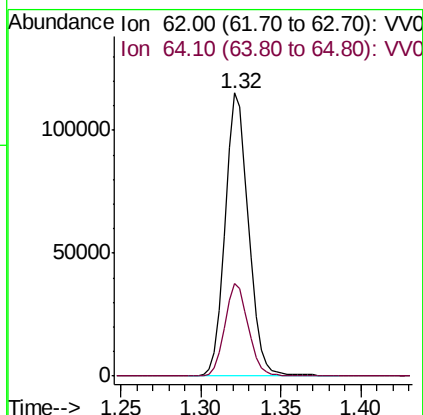
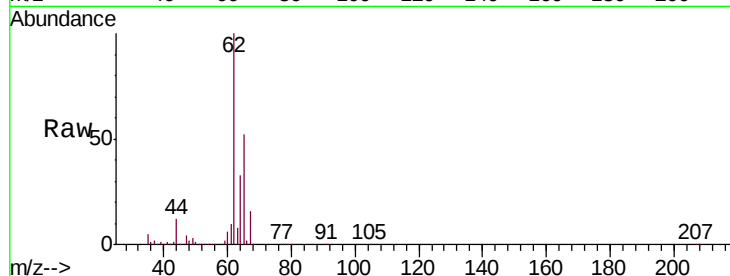
BFB85

Tgt Ion: 62 Resp: 114736

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



#6

Bromomethane

Concen: 7.448 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007034.D

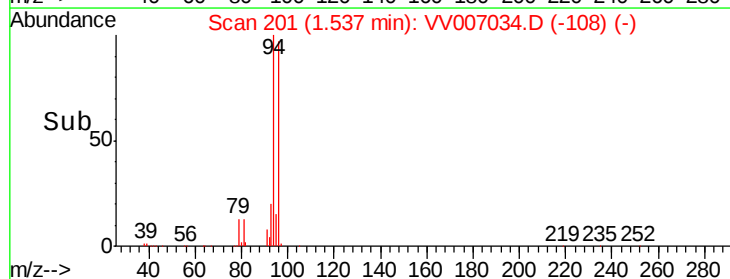
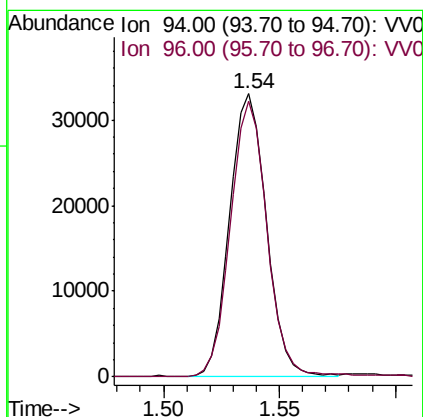
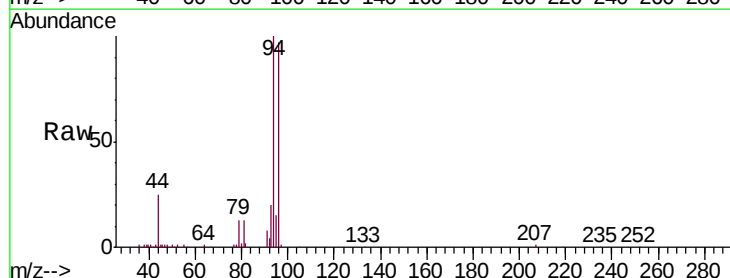
Acq: 16 Aug 2018 10:28

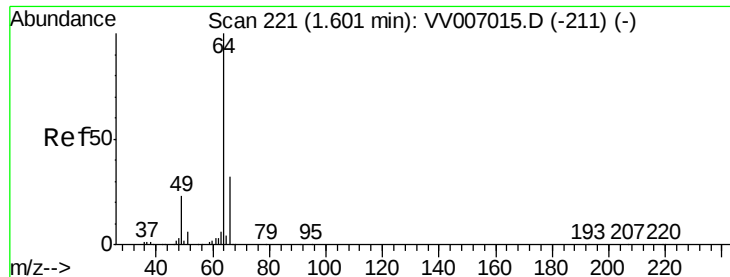
Tgt Ion: 94 Resp: 36485

Ion Ratio Lower Upper

94 100

96 97.4 65.0 120.6





#8

Chloroethane

Concen: 5.032 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

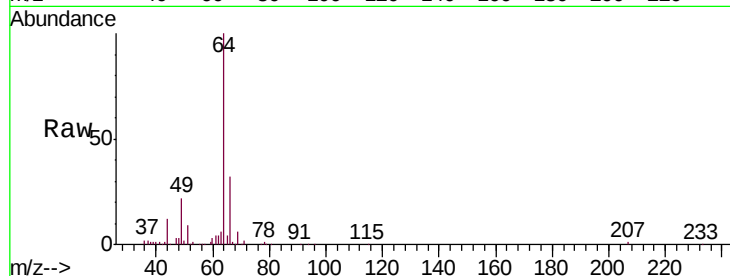
BFB85

Tgt Ion: 64 Resp: 68905

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV007015.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV007015.D (-211) (-)

1.60

60000

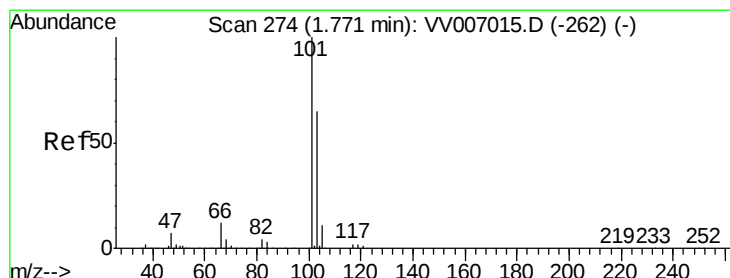
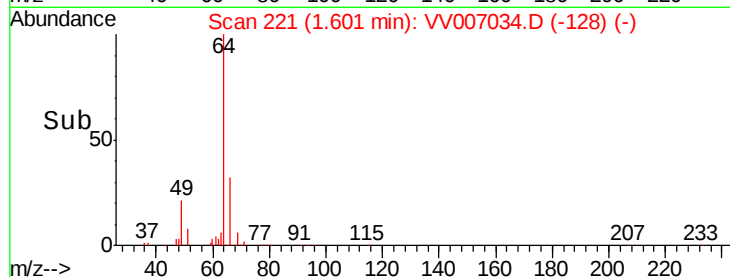
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.269 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007034.D

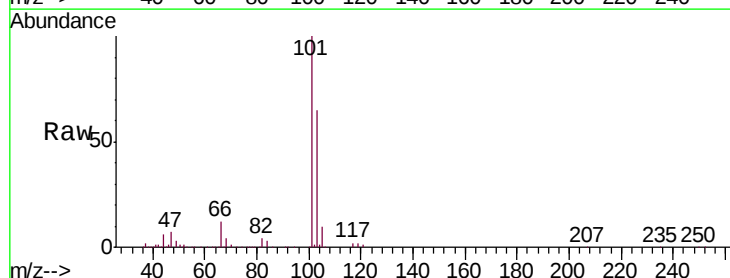
Acq: 16 Aug 2018 10:28

Tgt Ion: 101 Resp: 151314

Ion Ratio Lower Upper

101 100

103 64.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV007015.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV007015.D (-262) (-)

1.77

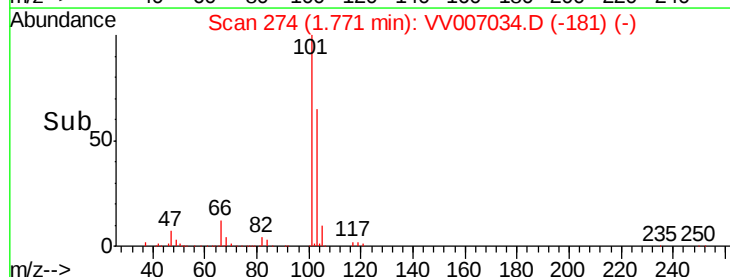
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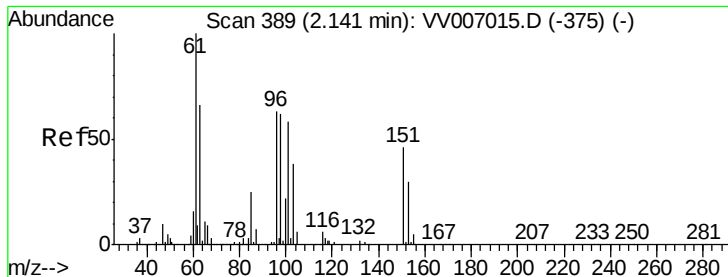
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.399 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

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ClientSampleId :

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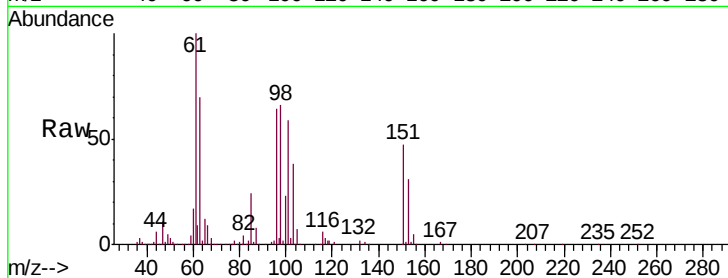
Tgt Ion: 101 Resp: 93056

Ion Ratio Lower Upper

101 100

85 40.5 33.9 50.9

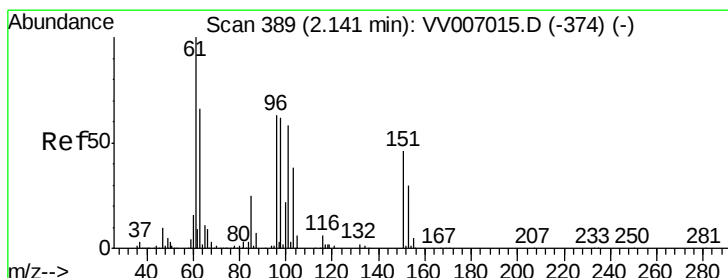
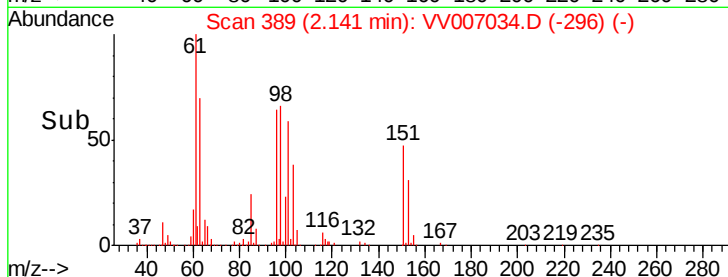
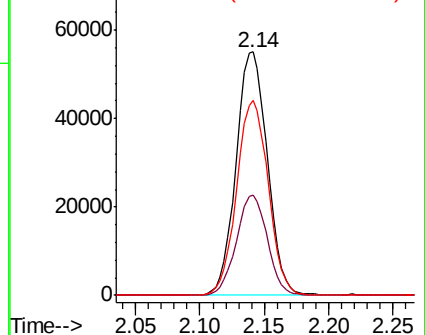
151 80.7 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV007015.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007015.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007015.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.192 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

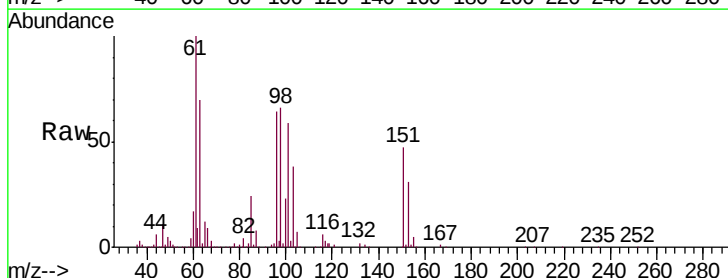
Tgt Ion: 96 Resp: 86876

Ion Ratio Lower Upper

96 100

61 155.4 111.6 207.4

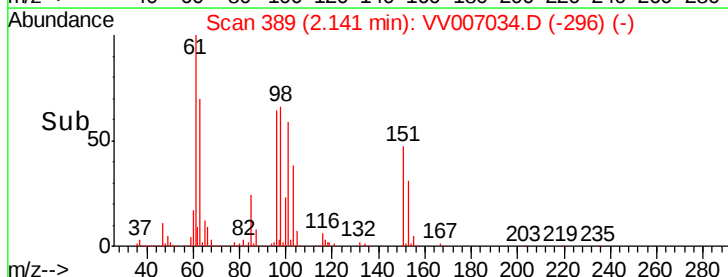
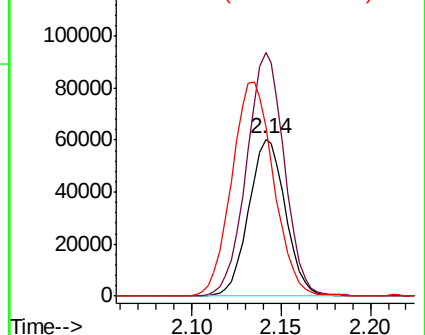
63 108.2 84.9 157.7

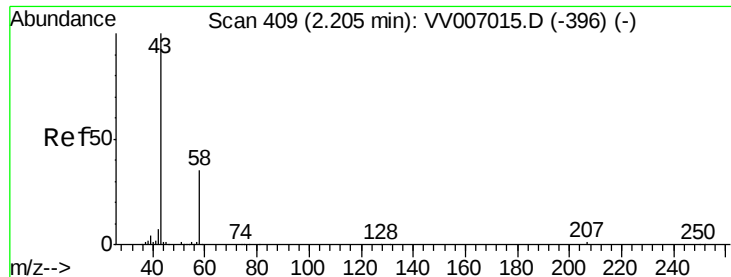


Abundance Ion 96.00 (95.70 to 96.70): VV007015.D (-374) (-)

Ion 61.05 (60.75 to 61.75): VV007015.D (-374) (-)

Ion 63.00 (62.70 to 63.70): VV007015.D (-374) (-)





#13

Acetone

Concen: 42.526 ug/L

RT: 2.22 min Scan# 412

Delta R.T. 0.01 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

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ClientSampleId :

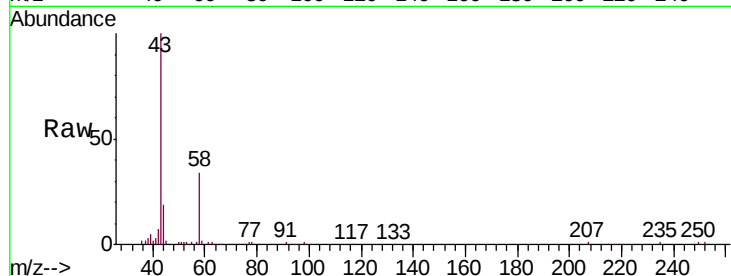
BFB85

Tgt Ion: 43 Resp: 94710

Ion Ratio Lower Upper

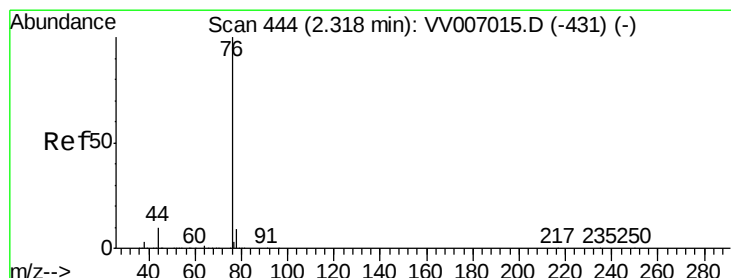
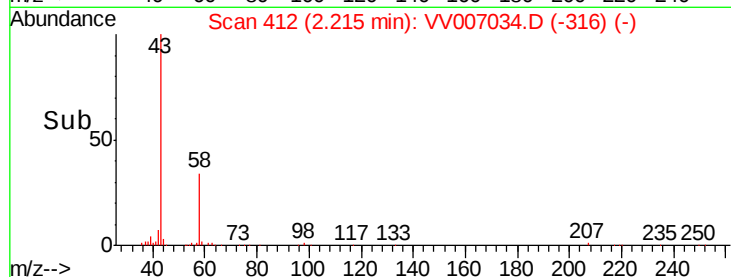
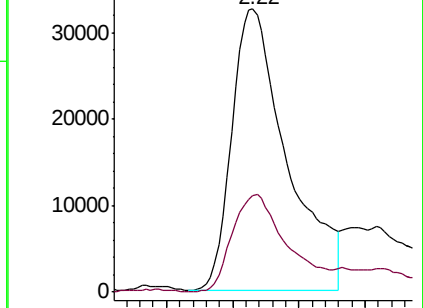
43 100

58 34.8 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007015.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007015.D (-396) (-)



#14

Carbon disulfide

Concen: 4.760 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007034.D

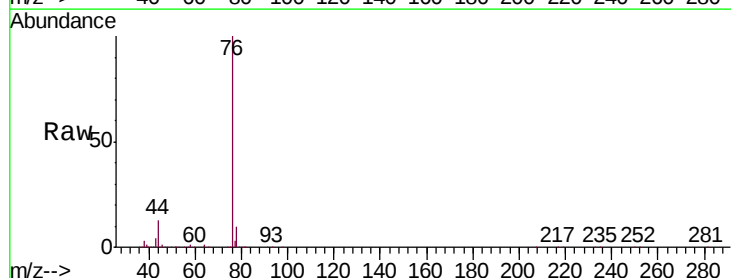
Acq: 16 Aug 2018 10:28

Tgt Ion: 76 Resp: 262927

Ion Ratio Lower Upper

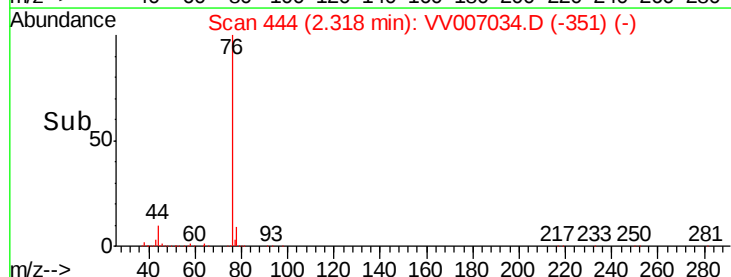
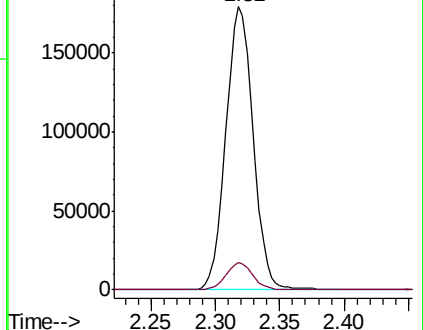
76 100

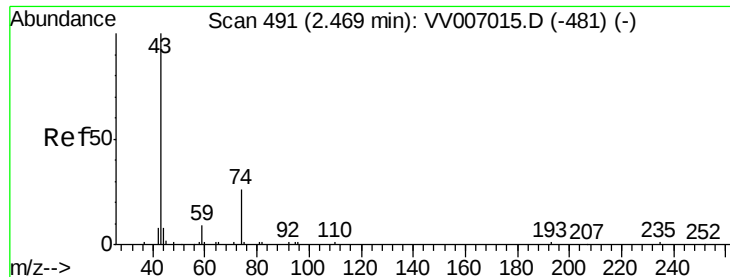
78 9.6 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007015.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007015.D (-431) (-)

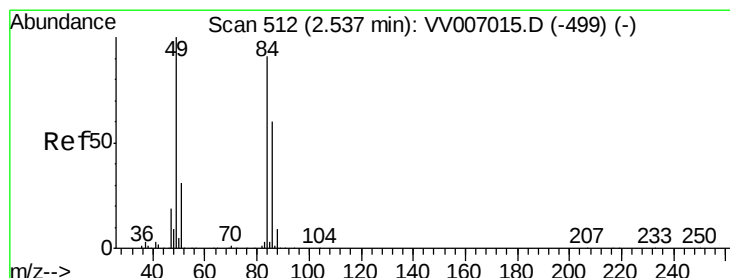
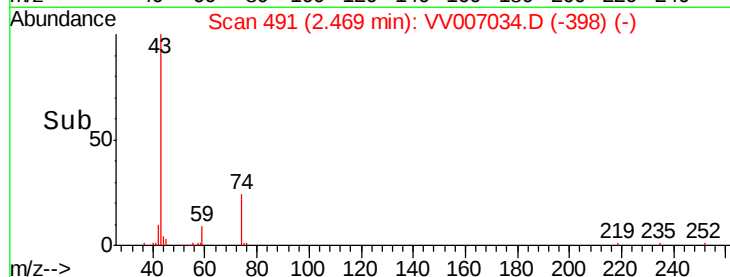
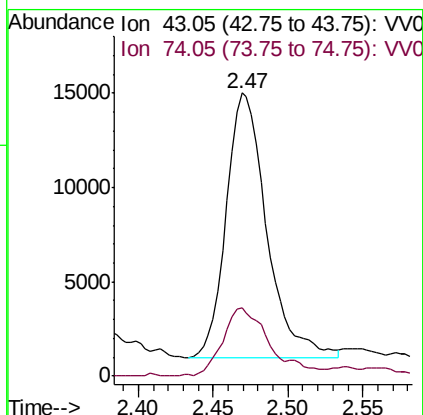
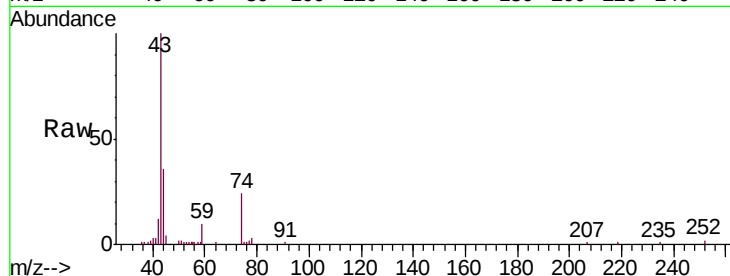




#15
Methyl Acetate
Concen: 4.243 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

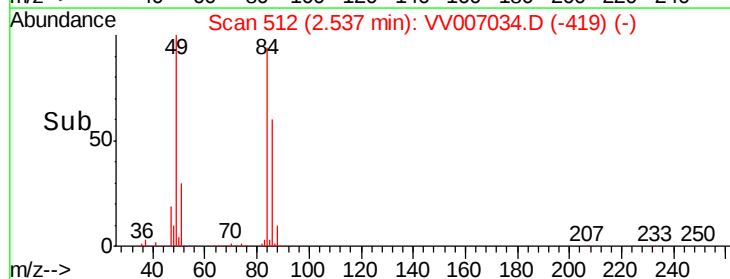
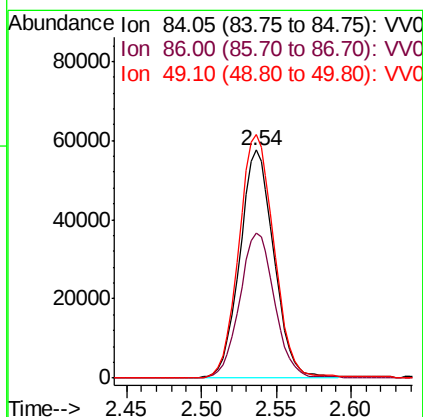
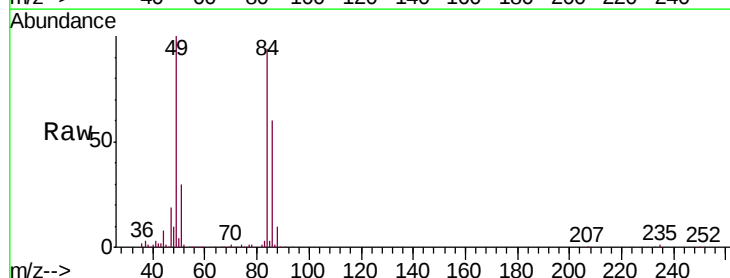
Instrument :
MSVOA_V
ClientSampled :
BFB85

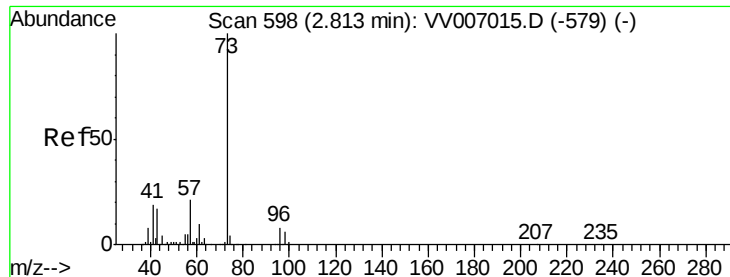
Tgt Ion: 43 Resp: 26597
Ion Ratio Lower Upper
43 100
74 30.0 24.6 37.0



#16
Methylene chloride
Concen: 4.533 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

Tgt Ion: 84 Resp: 91442
Ion Ratio Lower Upper
84 100
86 63.7 45.7 84.9
49 106.8 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.054 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

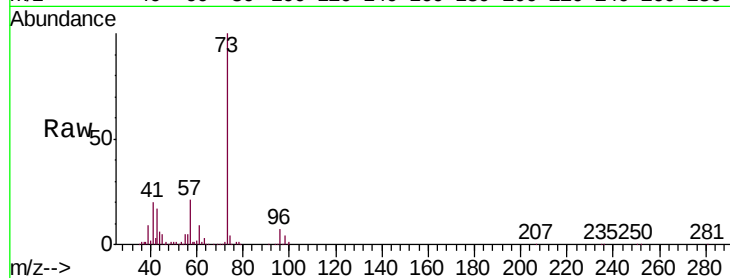
Tgt Ion: 73 Resp: 202741

Ion Ratio Lower Upper

73 100

43 16.8 14.4 21.6

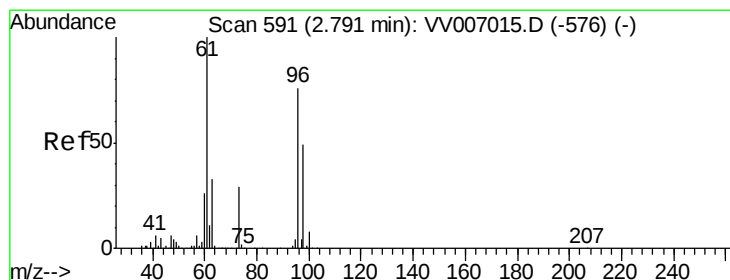
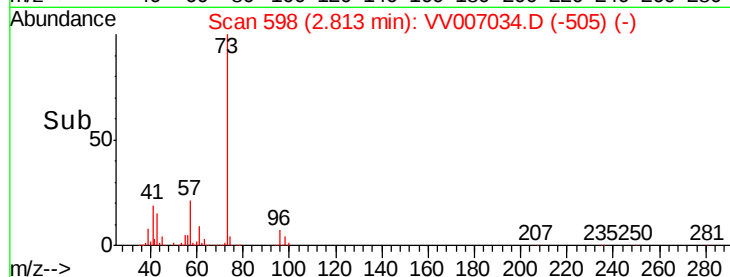
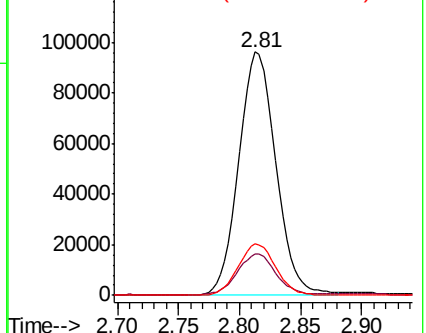
57 21.3 17.9 26.9



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: 5.210 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

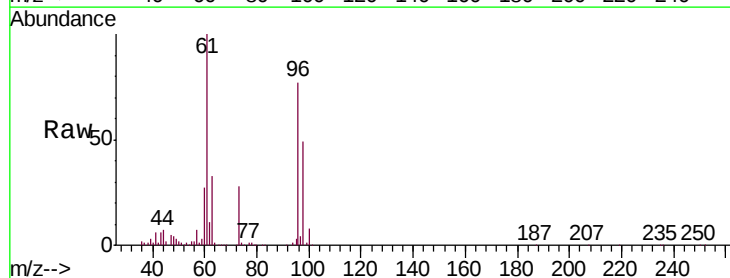
Tgt Ion: 96 Resp: 93338

Ion Ratio Lower Upper

96 100

61 130.1 91.1 169.3

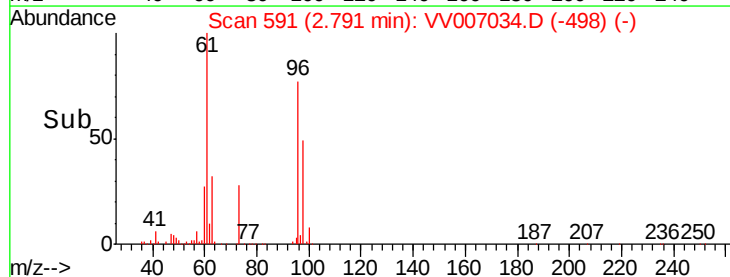
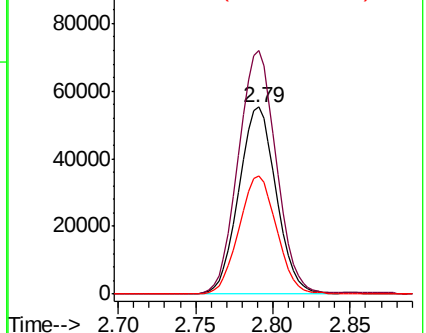
98 63.3 43.5 80.9

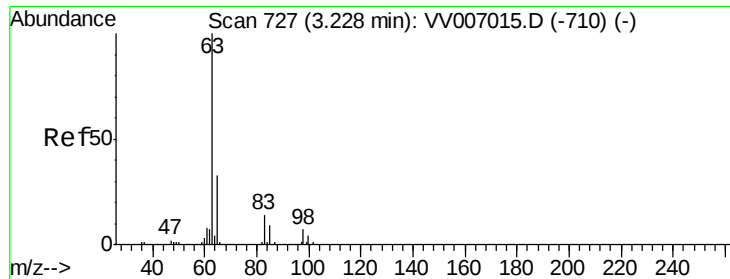


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

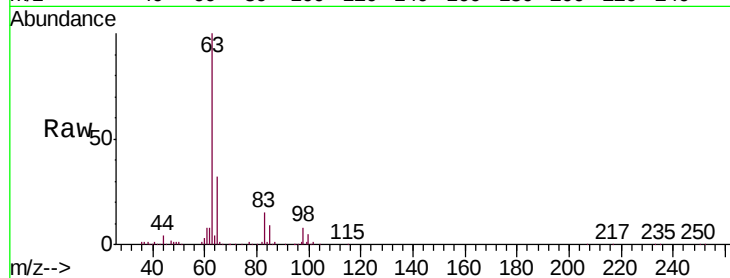




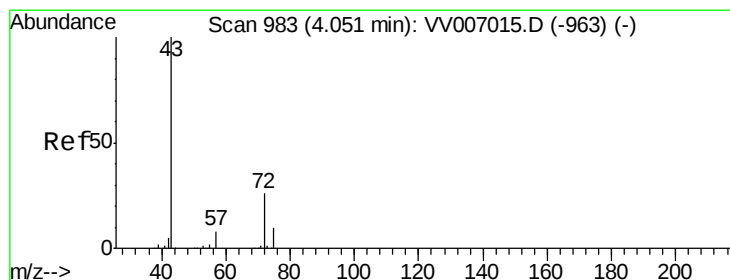
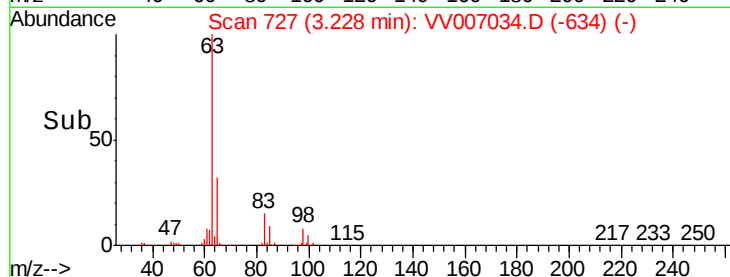
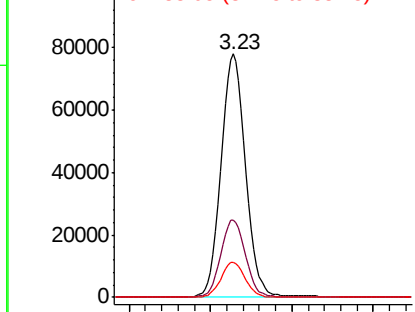
#19
 1,1-Dichloroethane
 Concen: 5.138 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion: 63 Resp: 166171
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.7 40.3
 83 14.5 10.0 18.6

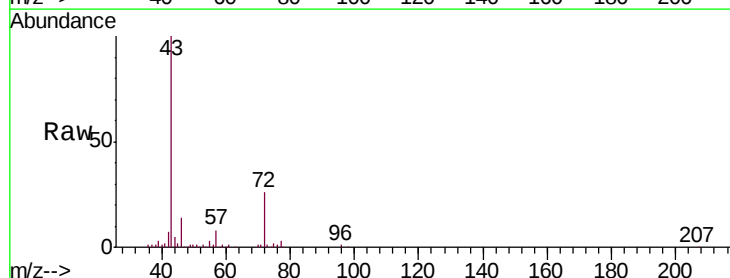


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

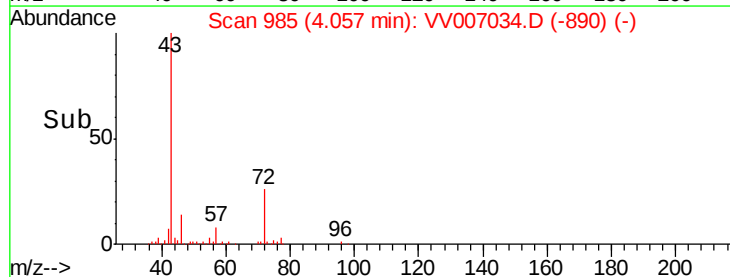
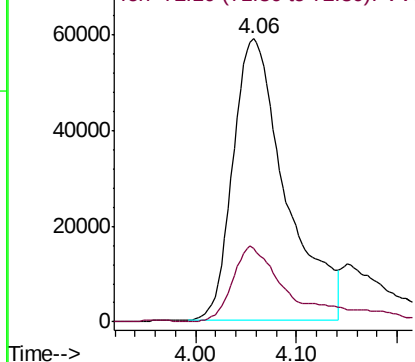


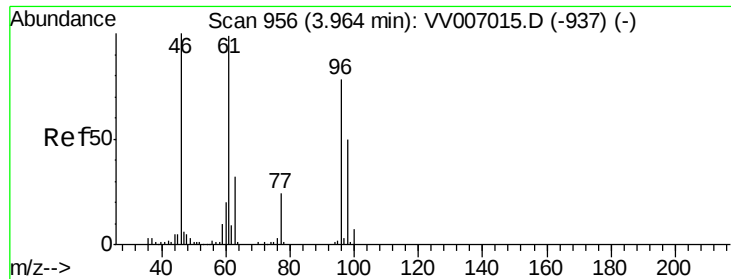
#21
 2-Butanone
 Concen: 44.156 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 43 Resp: 213517
 Ion Ratio Lower Upper
 43 100
 72 23.6 12.4 37.2



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



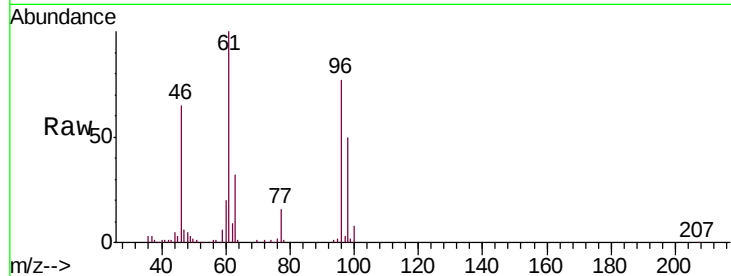


#22

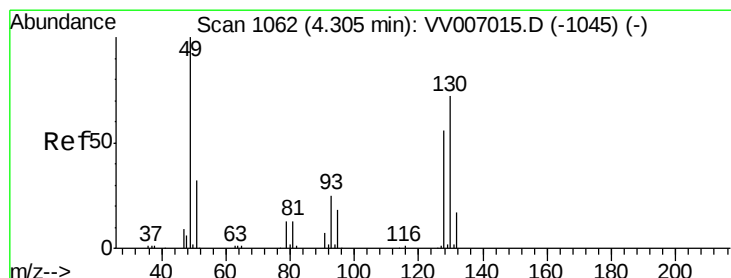
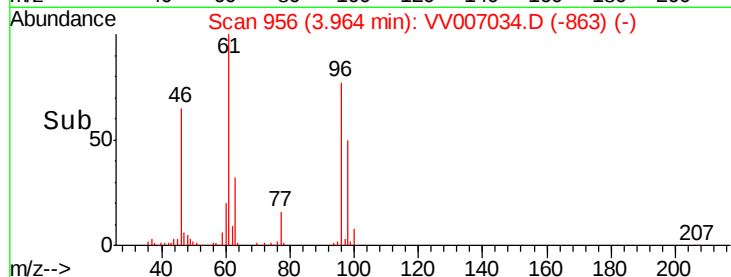
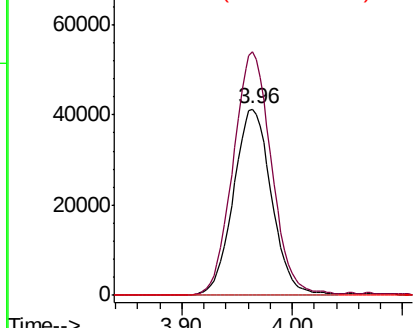
cis-1,2-Dichloroethene
 Concen: 4.864 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion: 96 Resp: 98895
 Ion Ratio Lower Upper
 96 100
 61 130.6 91.1 169.1
 68 0.0 0.0 0.0



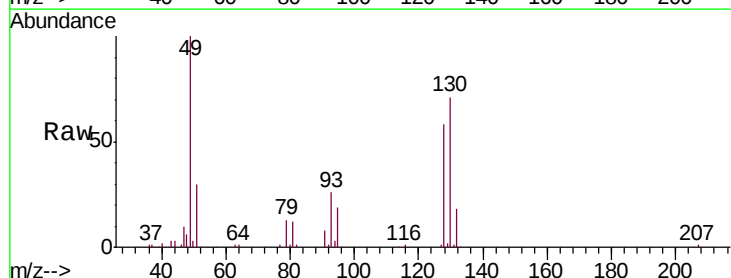
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



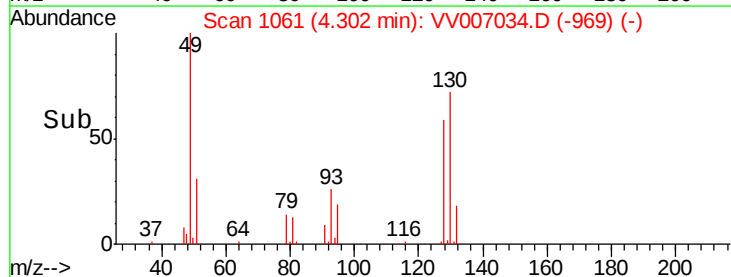
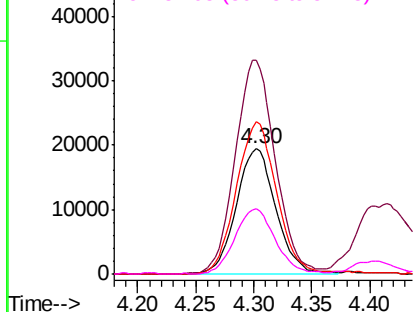
#23

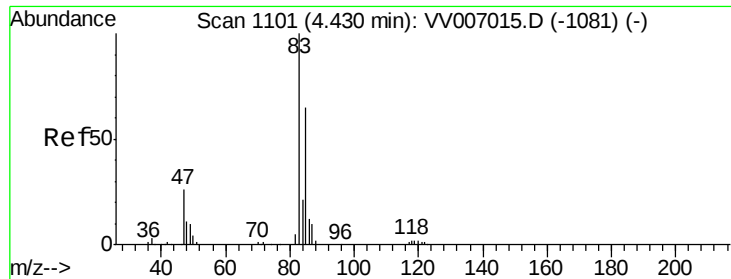
Bromochloromethane
 Concen: 5.560 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 128 Resp: 46069
 Ion Ratio Lower Upper
 128 100
 49 171.1 138.6 257.4
 130 122.1 90.0 167.2
 51 52.2 46.9 70.3



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: 5.341 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

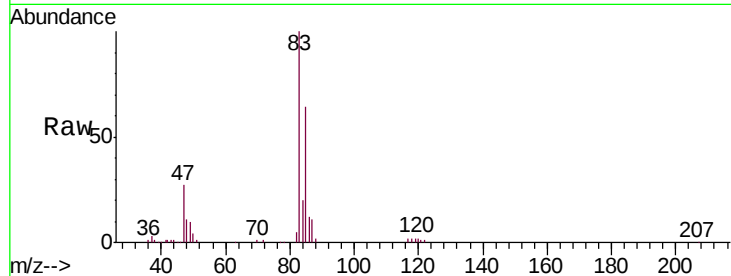
BFB85

Tgt Ion: 83 Resp: 188997

Ion Ratio Lower Upper

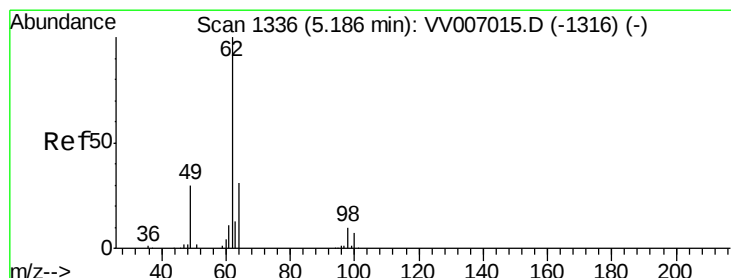
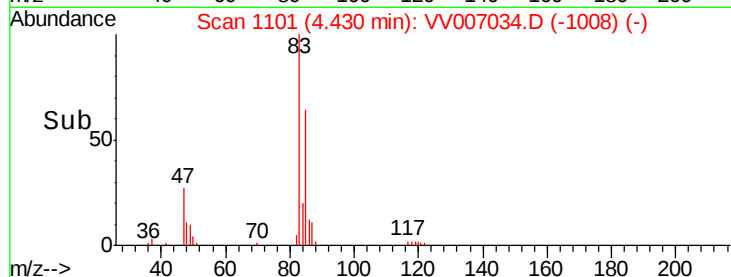
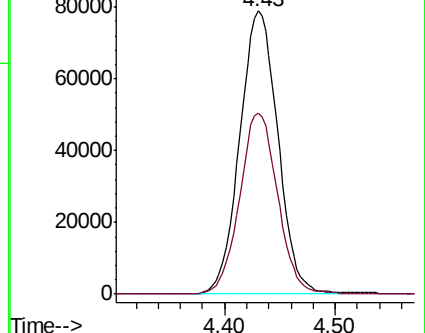
83 100

85 63.9 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV007015.D (-1081) (-)

Ion 85.00 (84.70 to 85.70): VV007015.D (-1081) (-)



#27

1,2-Dichloroethane

Concen: 5.077 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VV007034.D

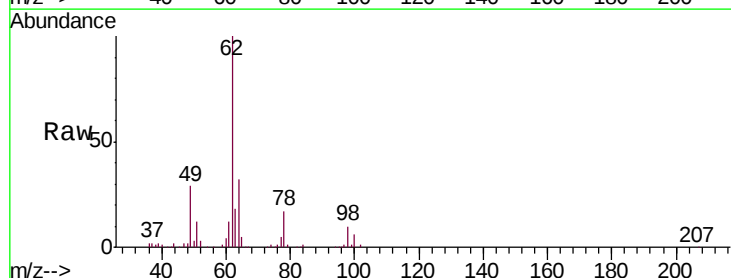
Acq: 16 Aug 2018 10:28

Tgt Ion: 62 Resp: 112038

Ion Ratio Lower Upper

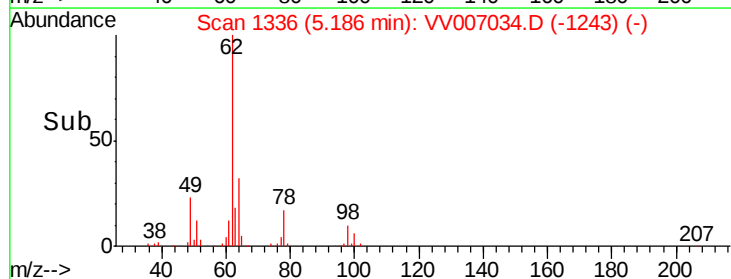
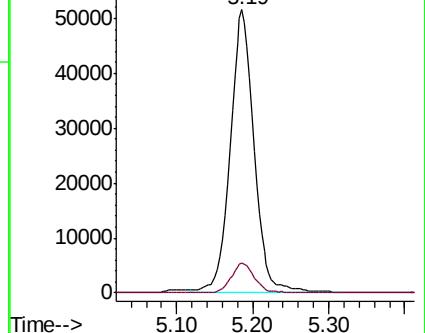
62 100

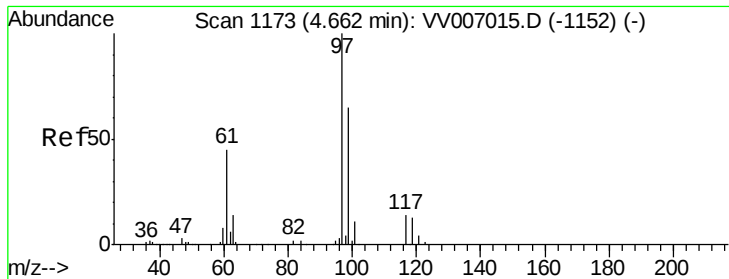
98 10.4 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV007015.D (-1316) (-)

Ion 98.05 (97.75 to 98.75): VV007015.D (-1316) (-)

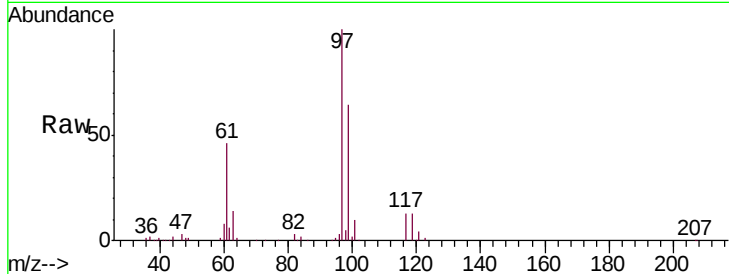




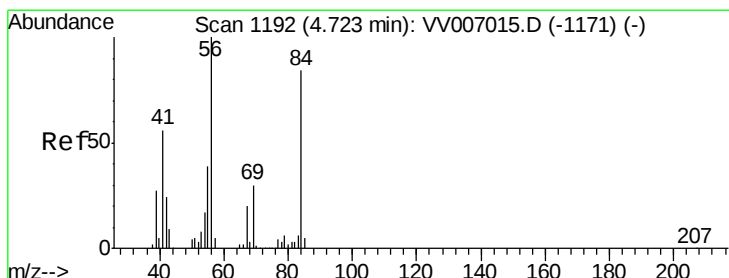
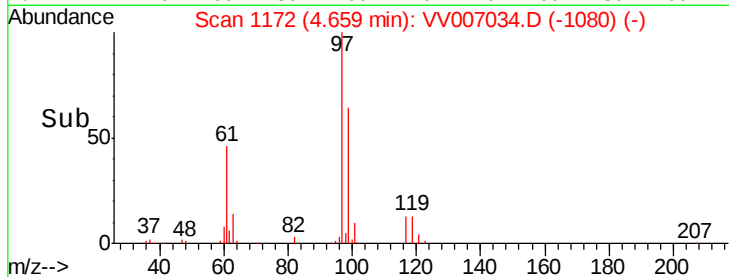
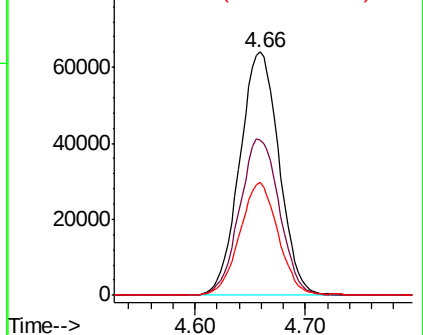
#29
 1,1,1-Trichloroethane
 Concen: 5.343 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion: 97 Resp: 158720
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.6
 61 45.1 36.6 54.8

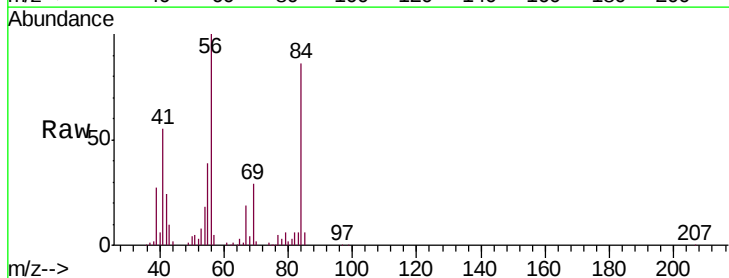


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

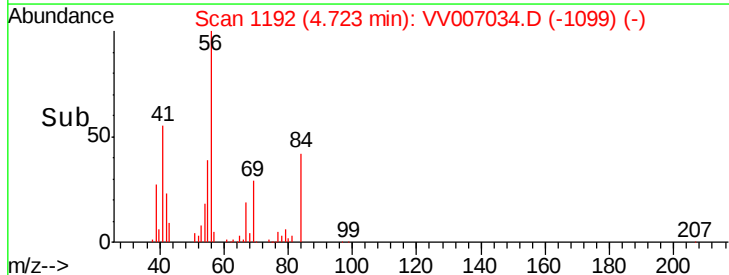
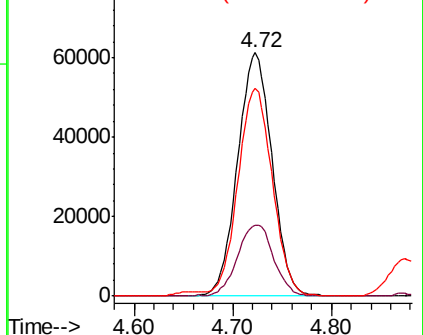


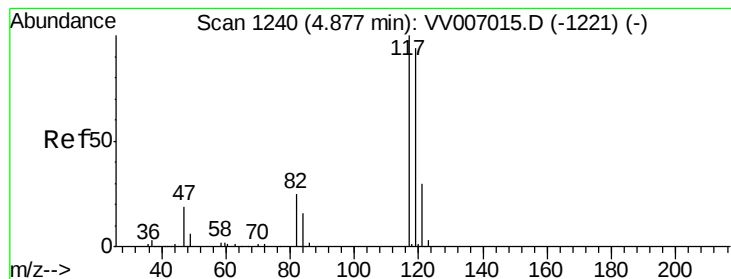
#30
 Cyclohexane
 Concen: 4.788 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 56 Resp: 148049
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.8 35.6
 84 85.7 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: 5.397 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

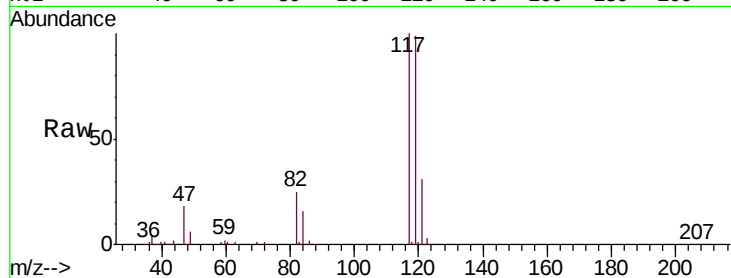
BFB85

Tgt Ion:117 Resp: 134453

Ion Ratio Lower Upper

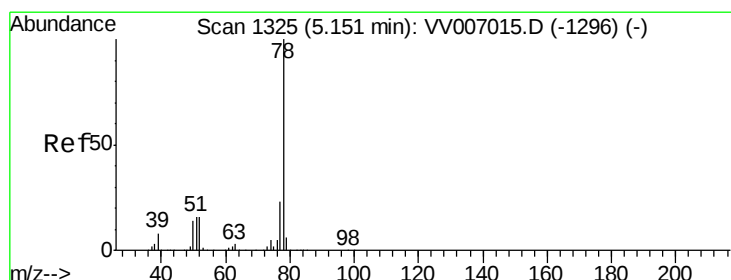
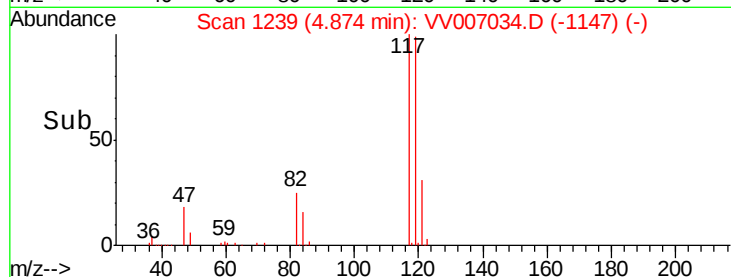
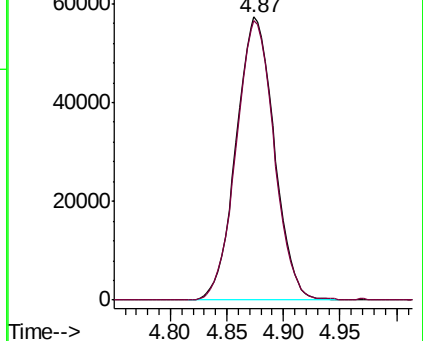
117 100

119 98.1 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.326 ug/L

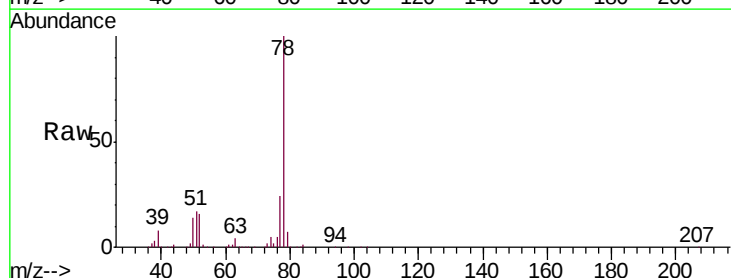
RT: 5.15 min Scan# 1324

Delta R.T. -0.00 min

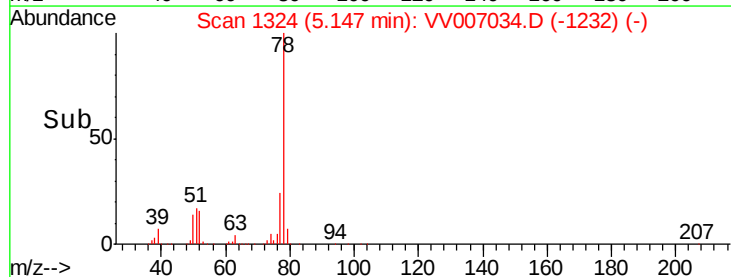
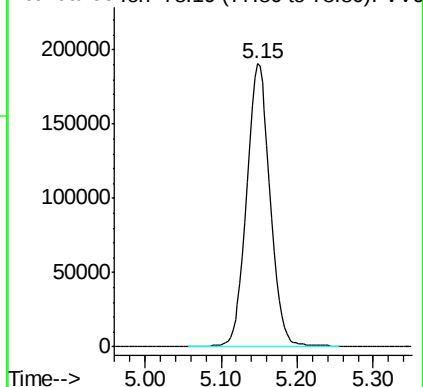
Lab File: VV007034.D

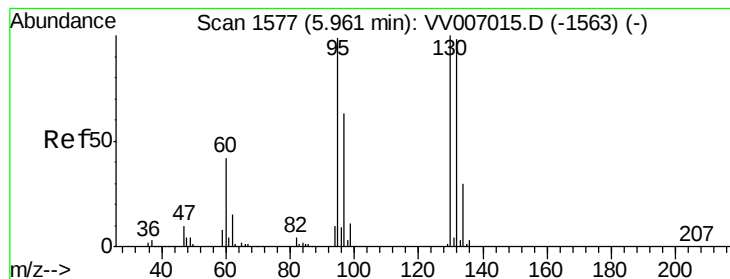
Acq: 16 Aug 2018 10:28

Tgt Ion: 78 Resp: 411106



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.306 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

Tgt Ion: 95 Resp: 98194

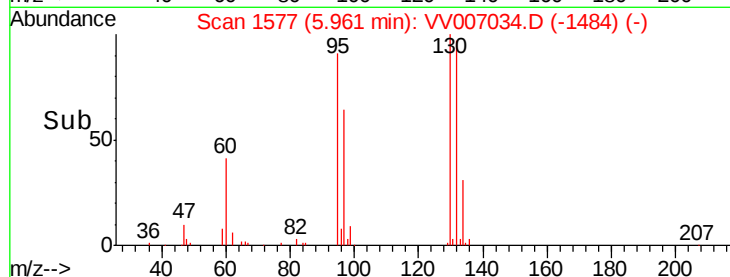
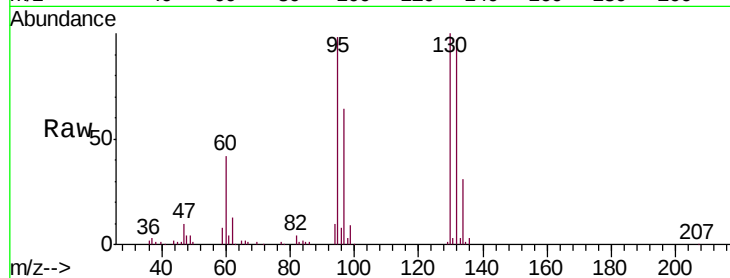
Ion Ratio Lower Upper

95 100

97 64.8 44.8 83.2

132 98.8 65.5 121.6

130 102.1 66.4 123.4

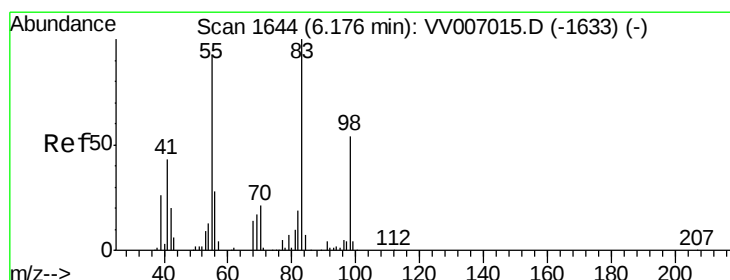
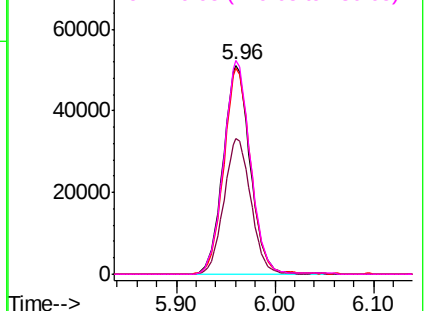


Abundance Ion 95.00 (94.70 to 95.70): VV007034.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV007034.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV007034.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV007034.D (-1484) (-)



#35

Methylcyclohexane

Concen: 4.958 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

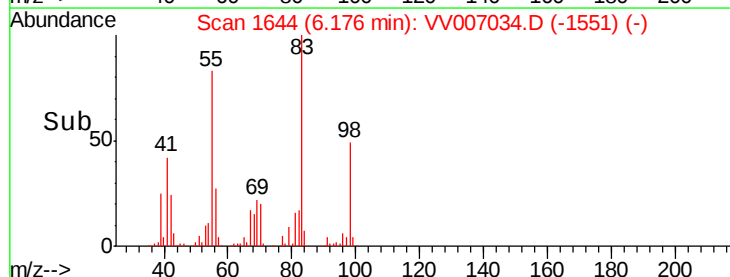
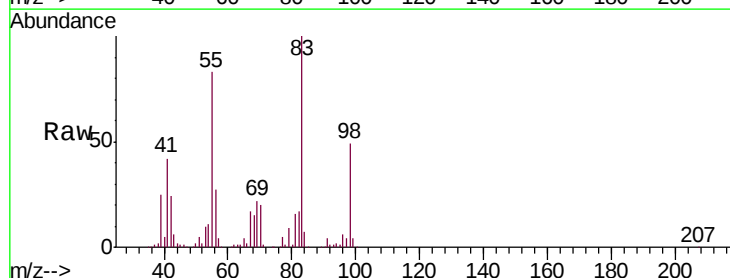
Tgt Ion: 83 Resp: 147308

Ion Ratio Lower Upper

83 100

55 85.4 68.1 102.1

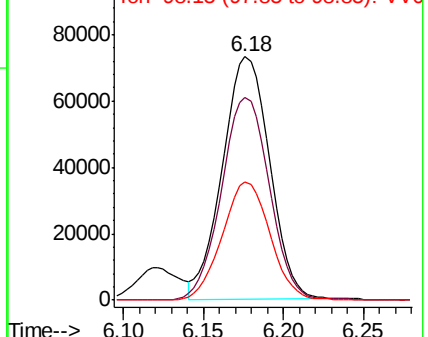
98 49.5 37.9 56.9

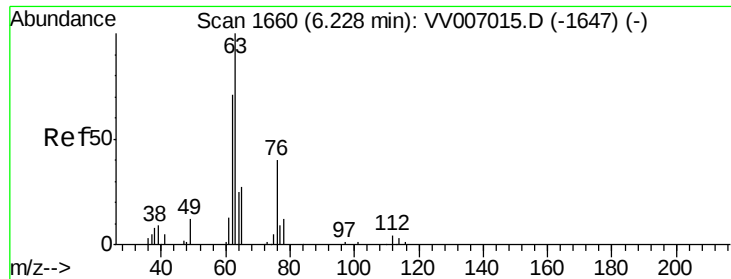


Abundance Ion 83.15 (82.85 to 83.85): VV007034.D (-1551) (-)

Ion 55.10 (54.80 to 55.80): VV007034.D (-1551) (-)

Ion 98.15 (97.85 to 98.85): VV007034.D (-1551) (-)

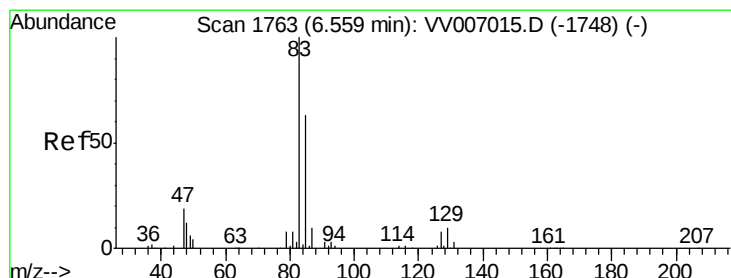
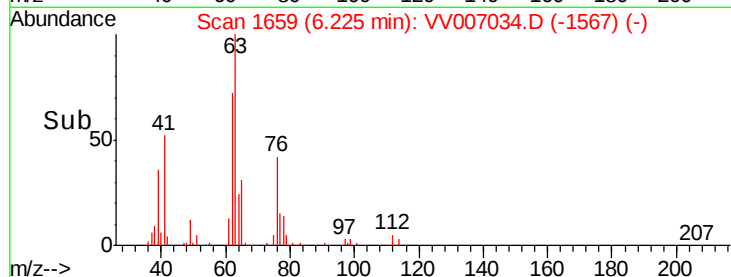
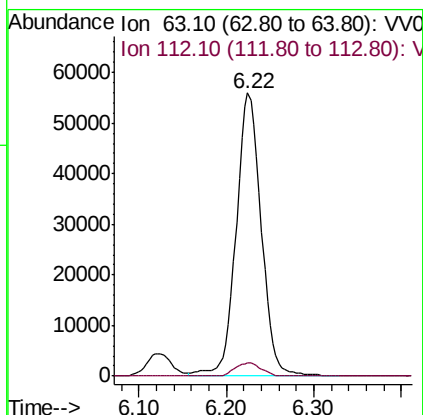
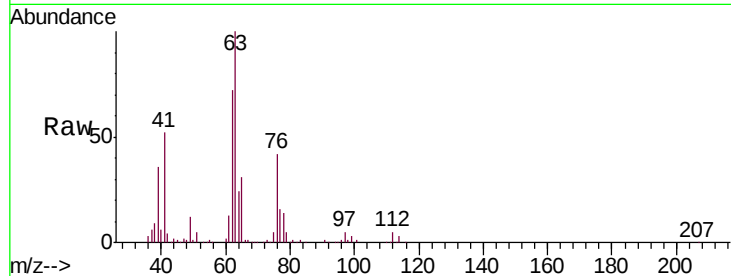




#37
 1,2-Dichloropropane
 Concen: 5.286 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

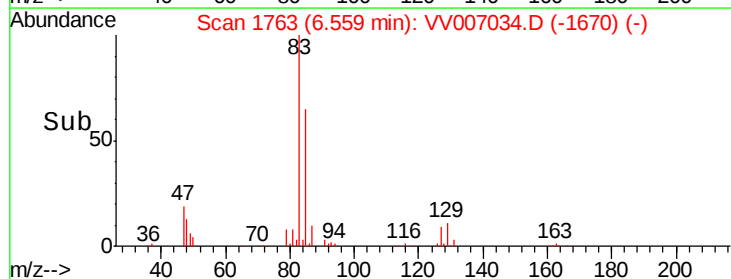
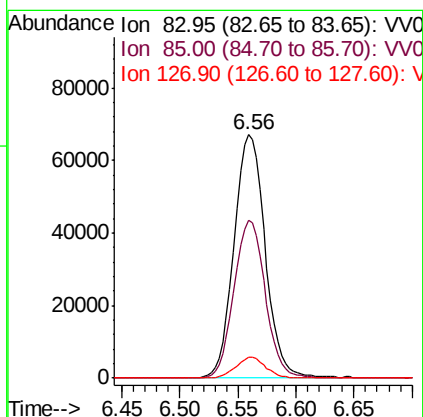
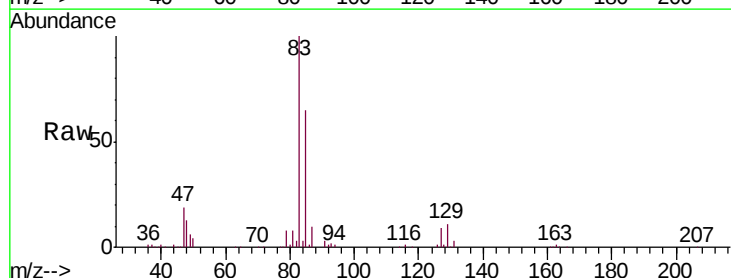
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

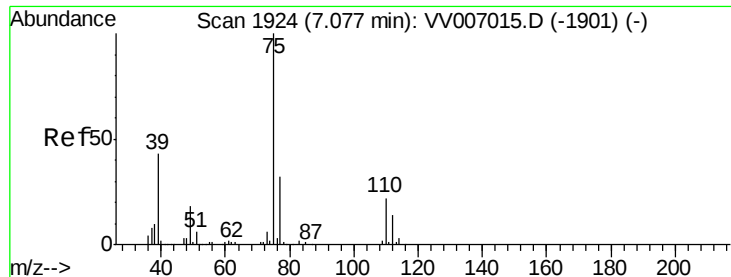
Tgt Ion: 63 Resp: 111681
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.220 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 83 Resp: 125302
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.8 81.4
 127 8.5 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.067 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

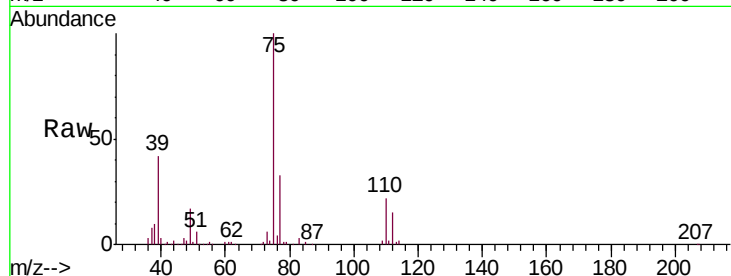
BFB85

Tgt Ion: 75 Resp: 129331

Ion Ratio Lower Upper

75 100

77 33.5 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV007015.D (-1901) (-)

Ion 77.05 (76.75 to 77.75): VV007015.D (-1901) (-)

7.08

80000

60000

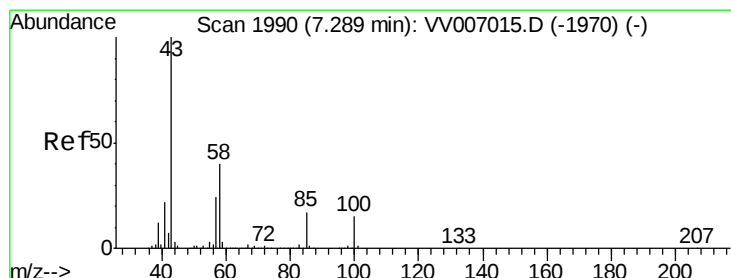
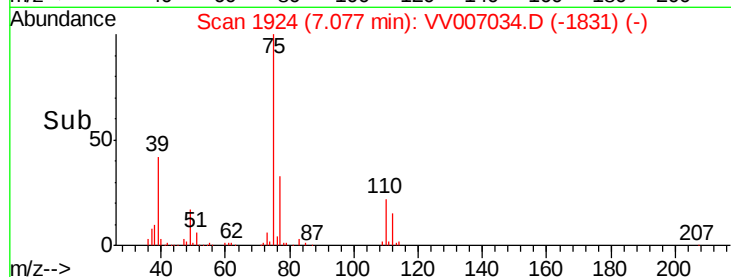
40000

20000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.670 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

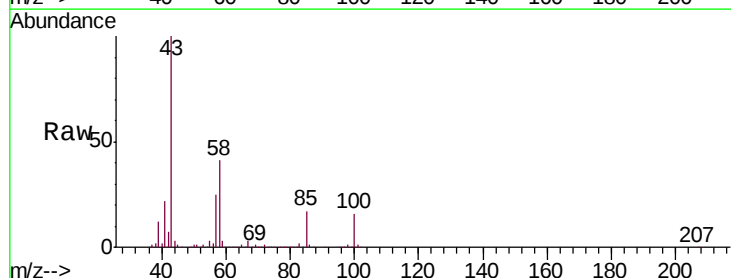
Tgt Ion: 43 Resp: 566850

Ion Ratio Lower Upper

43 100

58 40.4 30.7 46.1

100 15.0 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV007015.D (-1970) (-)

Ion 58.05 (57.75 to 58.75): VV007015.D (-1970) (-)

Ion 100.15 (99.85 to 100.85): VV007015.D (-1970) (-)

7.29

300000

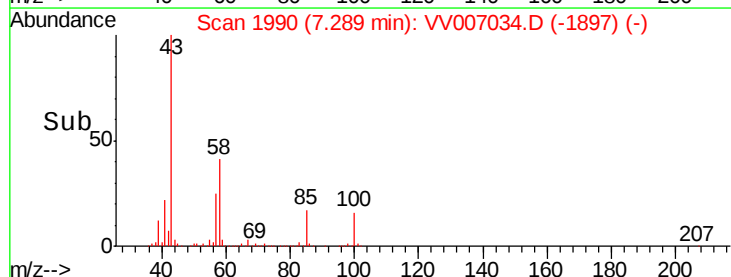
200000

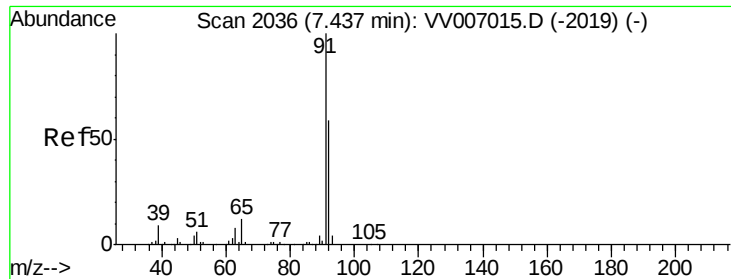
100000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.634 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

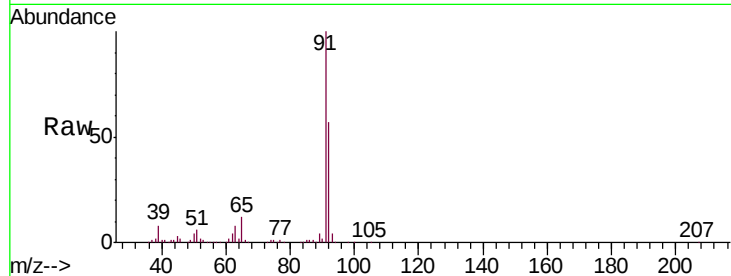
BFB85

Tgt Ion: 91 Resp: 417893

Ion Ratio Lower Upper

91 100

92 57.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

250000

200000

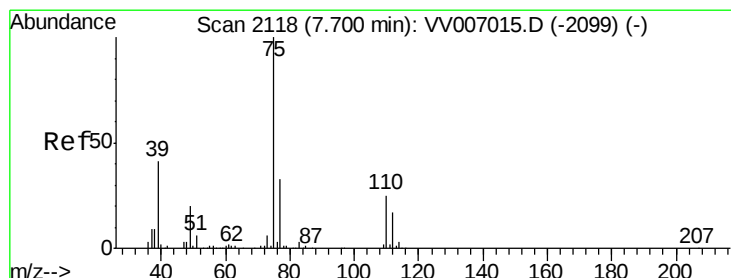
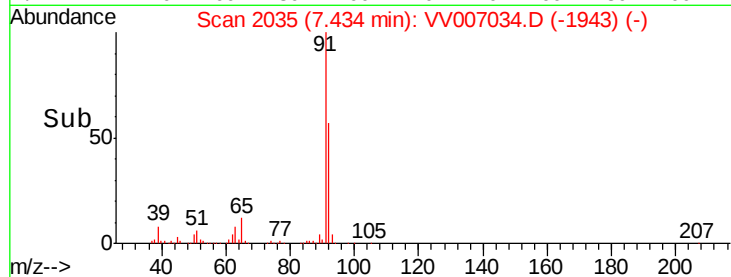
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.259 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007034.D

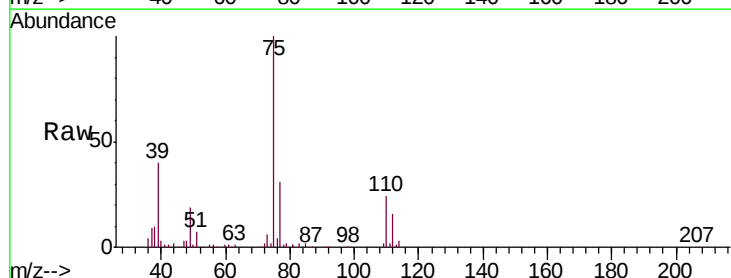
Acq: 16 Aug 2018 10:28

Tgt Ion: 75 Resp: 110165

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

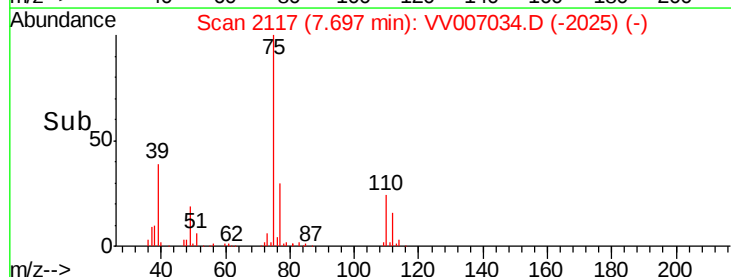
60000

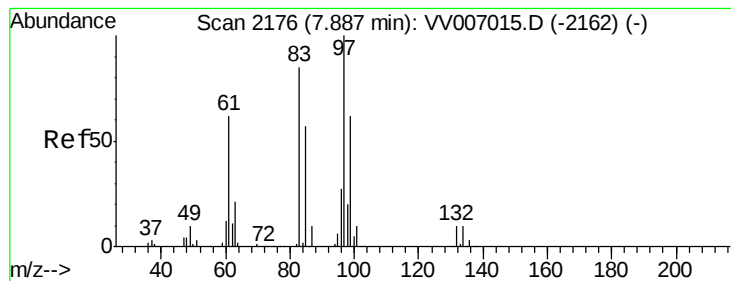
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.351 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

Tgt Ion: 97 Resp: 73539

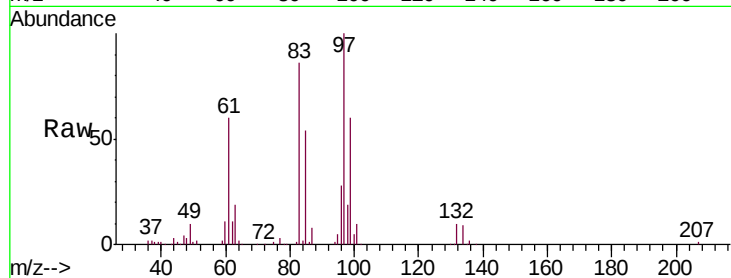
Ion Ratio Lower Upper

97 100

99 59.7 40.6 75.4

83 86.3 58.0 107.8

85 54.2 37.5 69.7



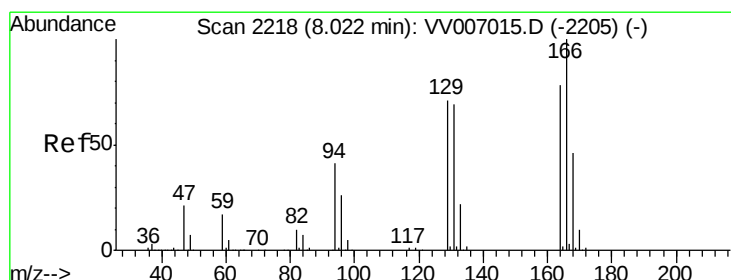
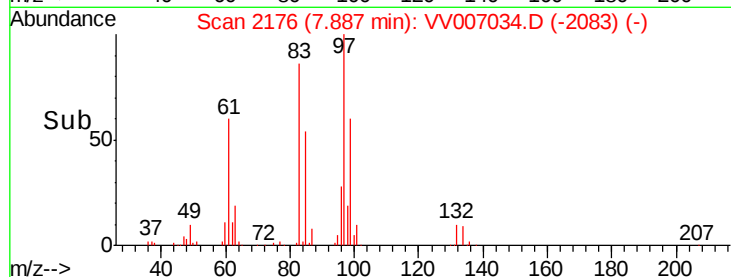
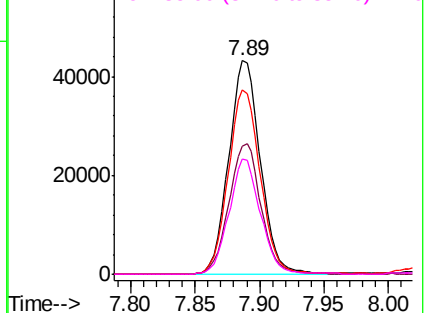
Abundance

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: 5.611 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Tgt Ion: 164 Resp: 84197

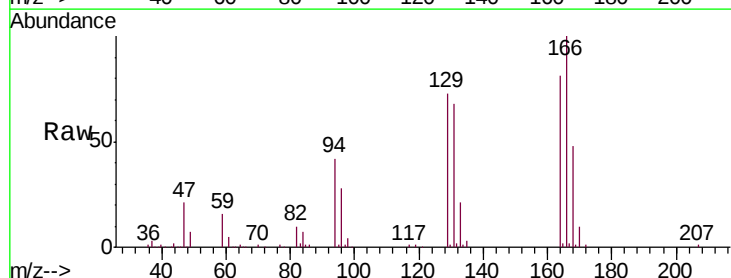
Ion Ratio Lower Upper

164 100

129 89.6 65.9 122.3

131 84.3 64.2 119.2

166 123.6 89.4 166.0



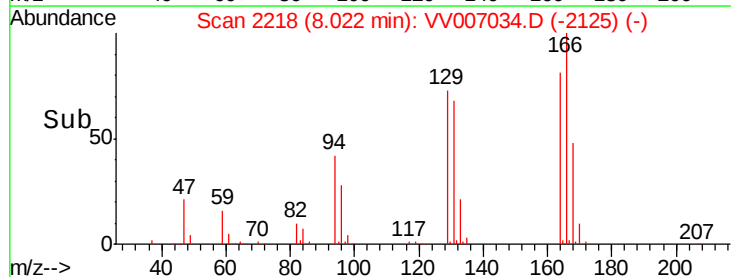
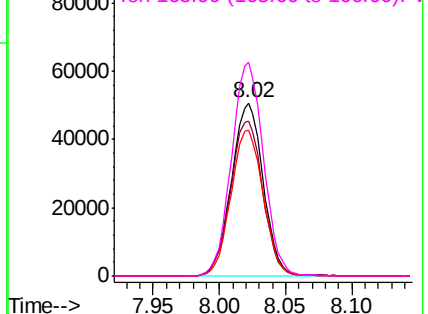
Abundance

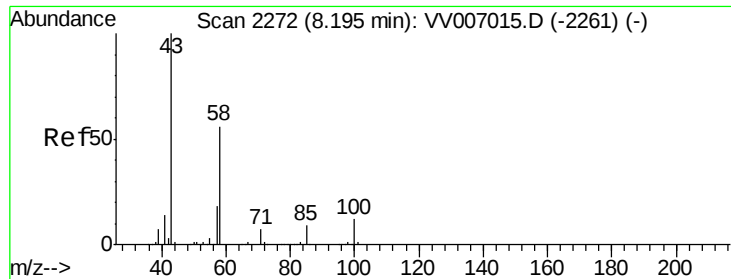
Ion 163.90 (163.60 to 164.60): V

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

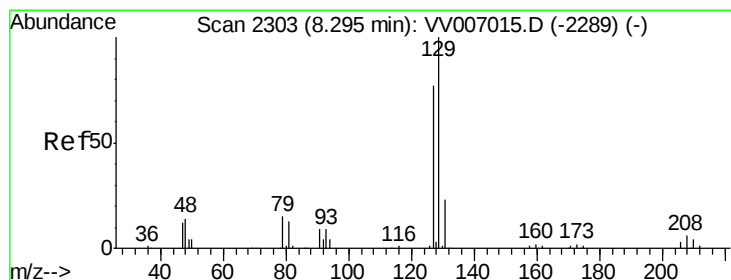
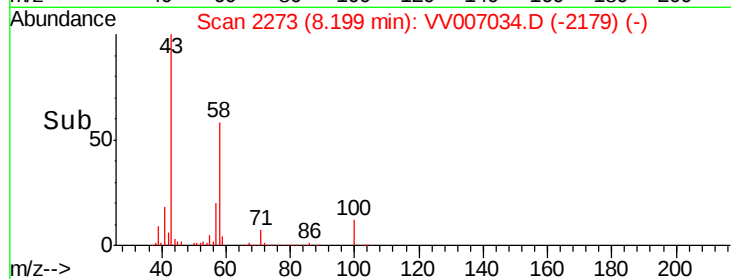
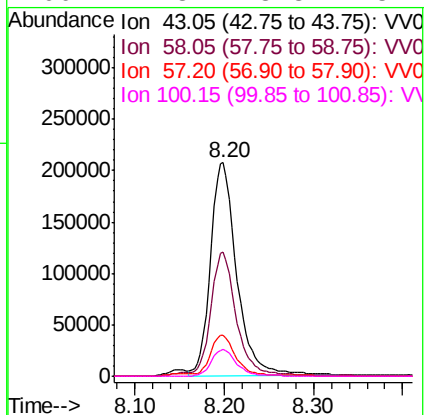
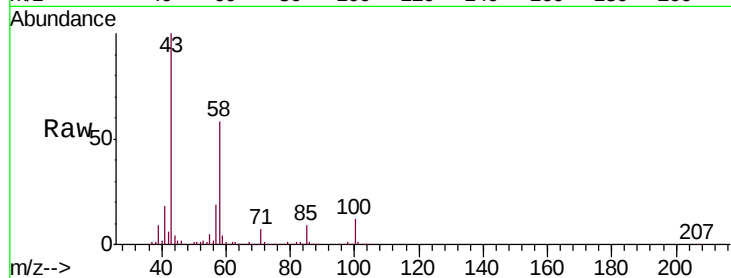




#48
2-Hexanone
Concen: 52.258 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

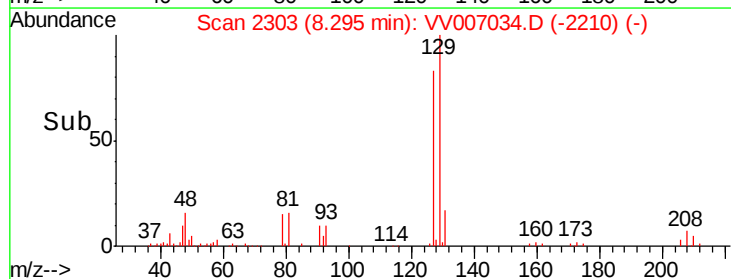
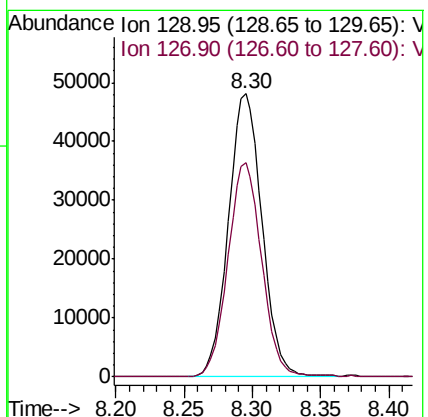
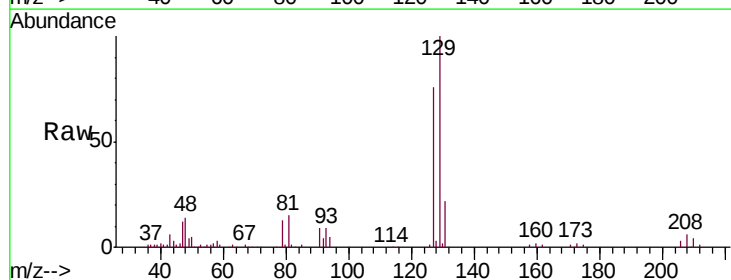
Instrument :
MSVOA_V
ClientSampleId :
BFB85

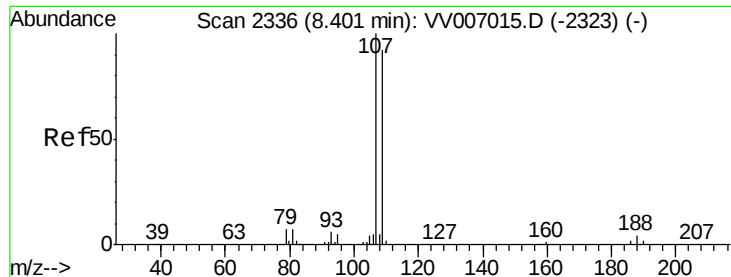
Tgt Ion:	43	Resp:	420619
Ion	Ratio	Lower	Upper
43	100		
58	58.0	44.2	66.2
57	17.9	14.8	22.2
100	11.8	8.8	13.2



#49
Dibromochloromethane
Concen: 5.714 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

Tgt Ion:	129	Resp:	82383
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.3	98.9

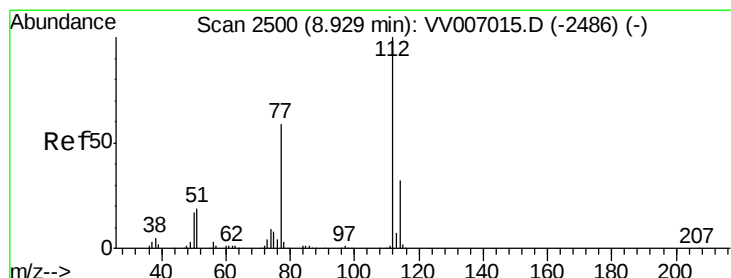
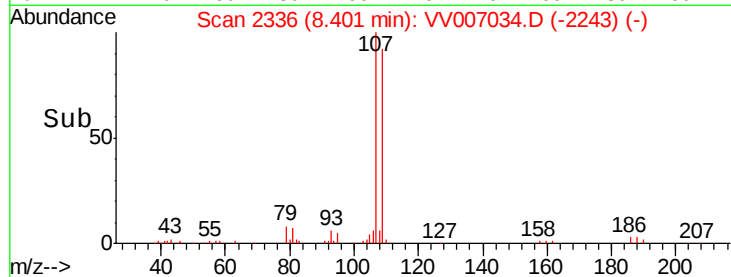
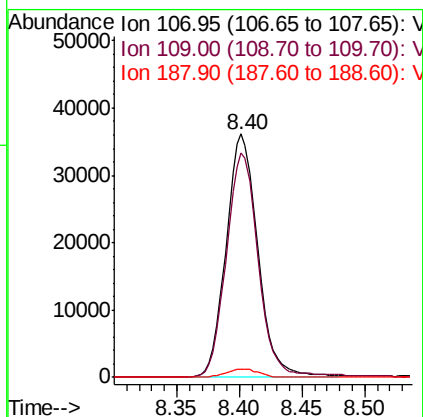
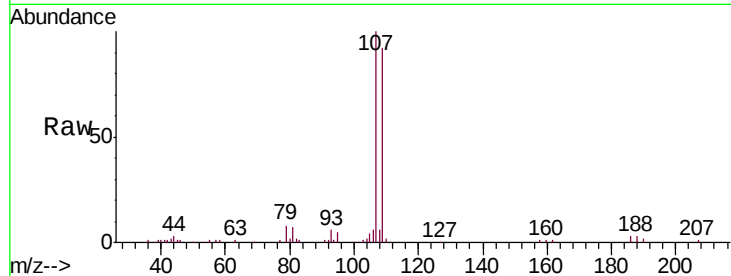




#50
1,2-Dibromoethane
Concen: 5.465 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

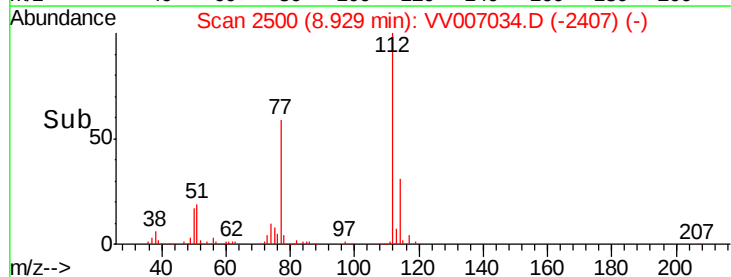
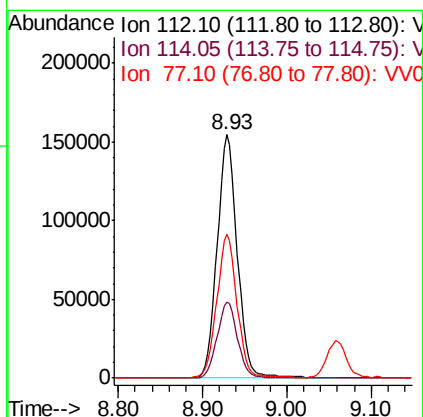
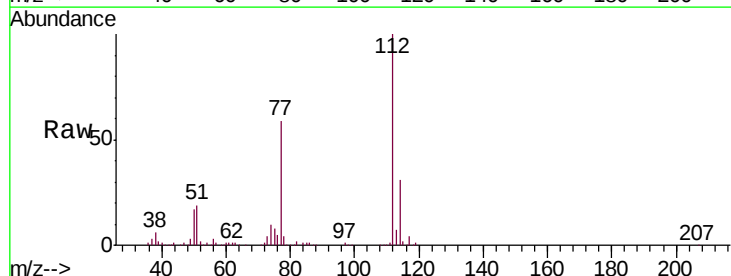
Instrument :
MSVOA_V
ClientSampleId :
BFB85

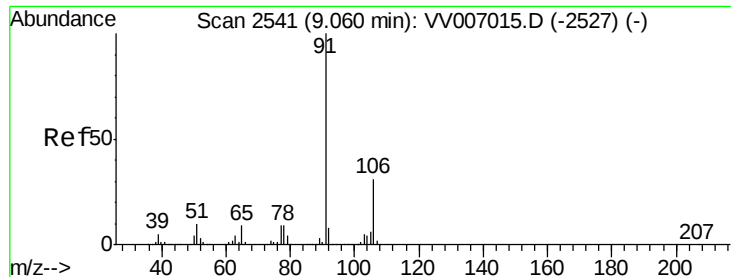
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.9	64.1	119.1
188	3.4	4.0	6.0#



#51
Chlorobenzene
Concen: 5.431 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.8	40.6
77	59.0	48.0	72.0





#52

Ethylbenzene

Concen: 5.245 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

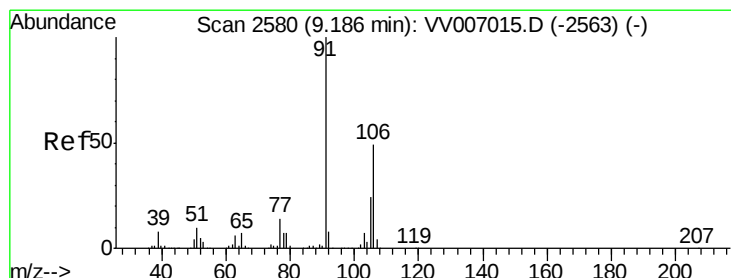
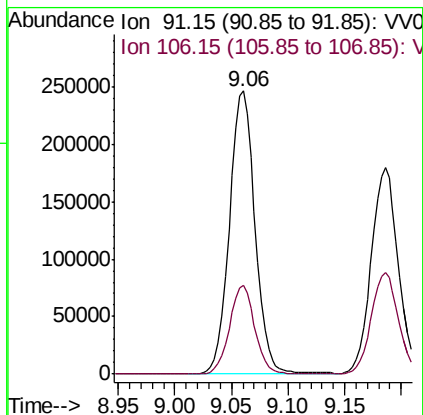
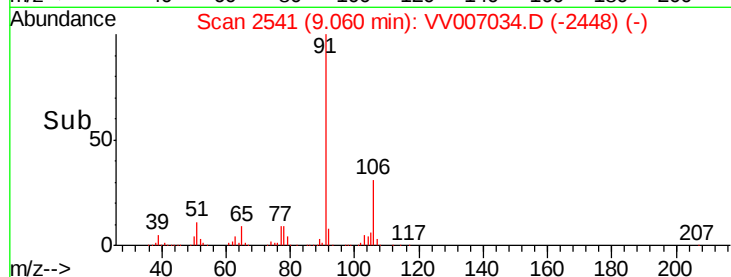
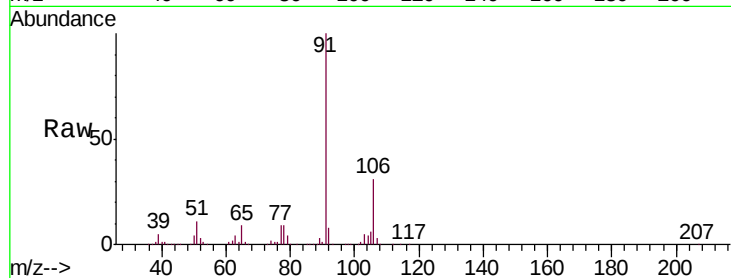
BFB85

Tgt Ion: 91 Resp: 388474

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.5



#53

m,p-xylene

Concen: 5.344 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007034.D

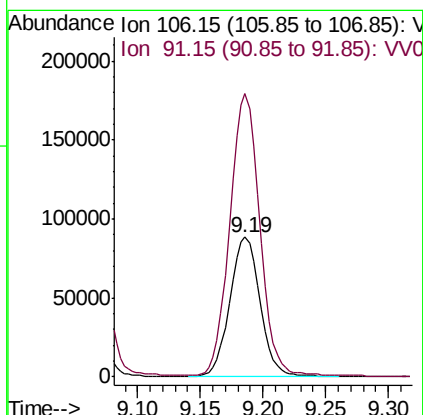
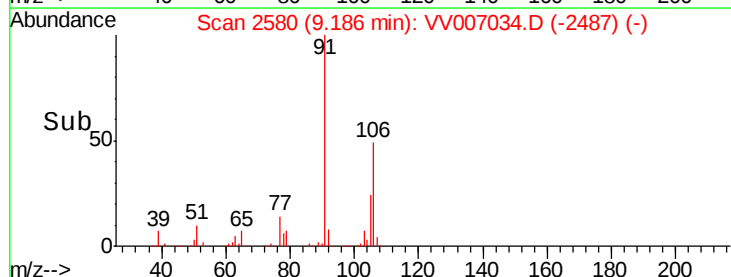
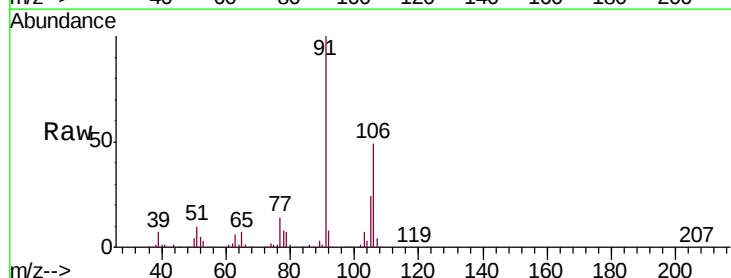
Acq: 16 Aug 2018 10:28

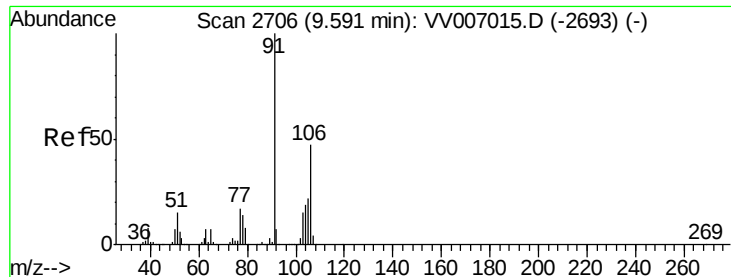
Tgt Ion: 106 Resp: 147529

Ion Ratio Lower Upper

106 100

91 202.5 141.6 263.0

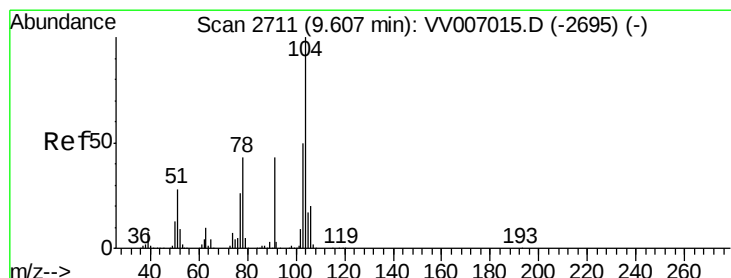
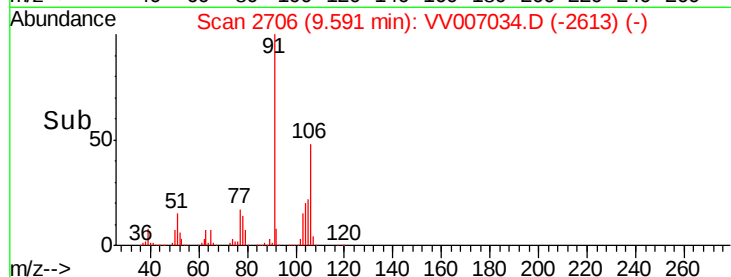
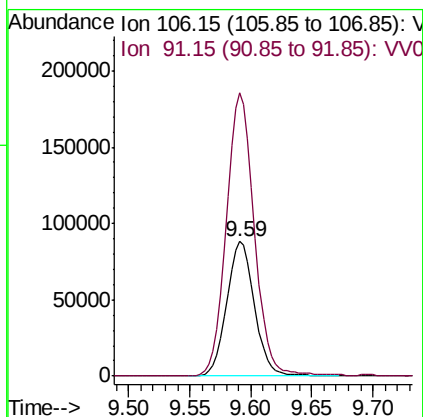
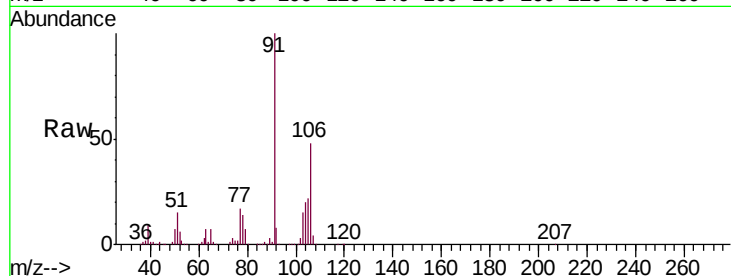




#54
o-xylene
Concen: 5.397 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

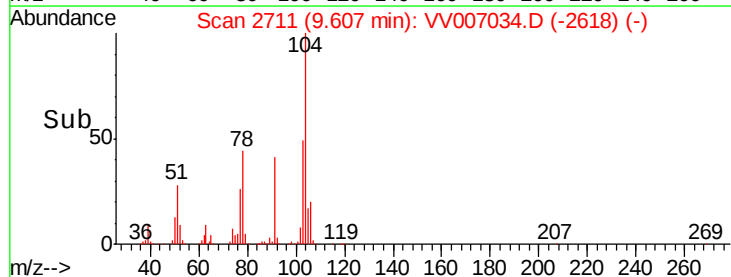
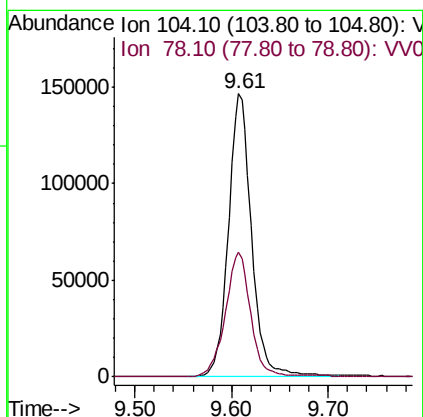
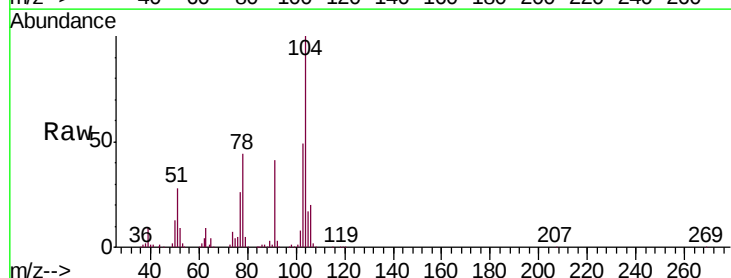
Instrument :
MSVOA_V
ClientSampleId :
BFB85

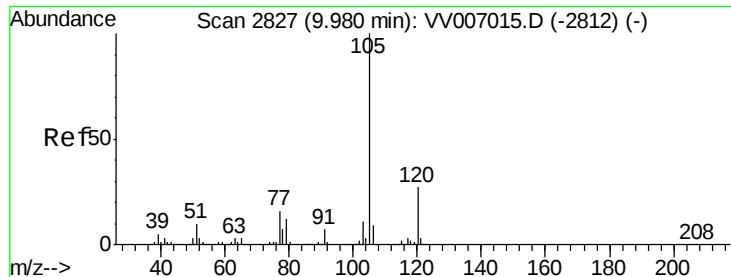
Tgt Ion:106 Resp: 141180
Ion Ratio Lower Upper
106 100
91 210.2 149.8 278.2



#55
Styrene
Concen: 5.535 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. 0.00 min
Lab File: VV007034.D
Acq: 16 Aug 2018 10:28

Tgt Ion:104 Resp: 244086
Ion Ratio Lower Upper
104 100
78 43.8 30.4 56.5





#56

Isopropylbenzene

Concen: 5.364 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

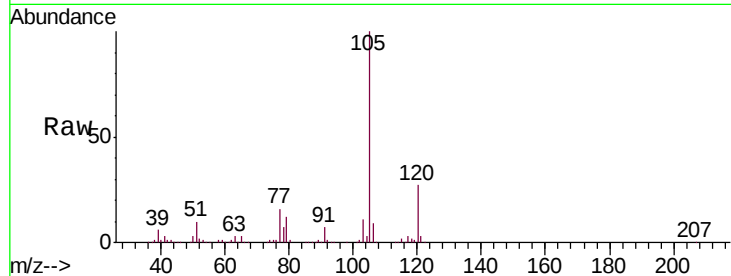
Tgt Ion: 105 Resp: 368175

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

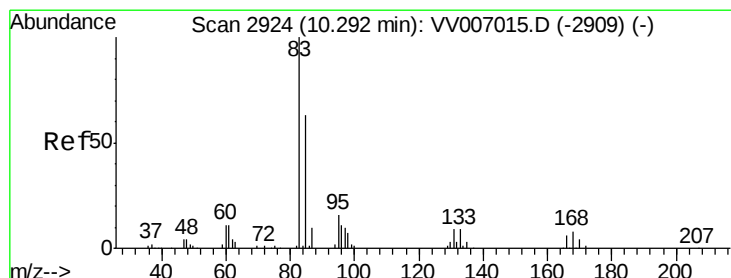
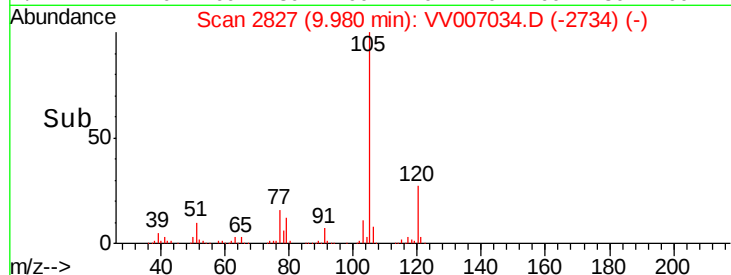
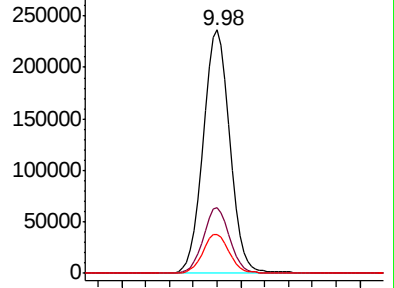
77 16.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): VV007015.D (-2812) (-)

Ion 120.10 (119.80 to 120.80): VV007015.D (-2812) (-)

Ion 77.10 (76.80 to 77.80): VV007015.D (-2812) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.182 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

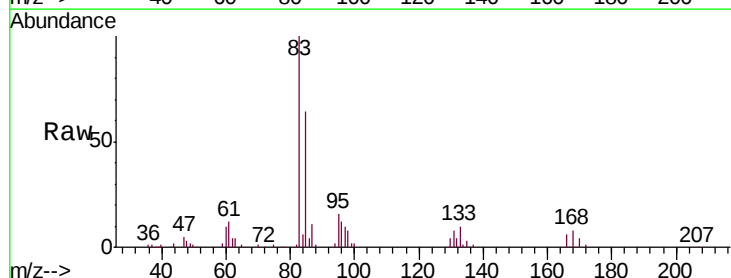
Tgt Ion: 83 Resp: 86567

Ion Ratio Lower Upper

83 100

85 64.4 43.0 79.8

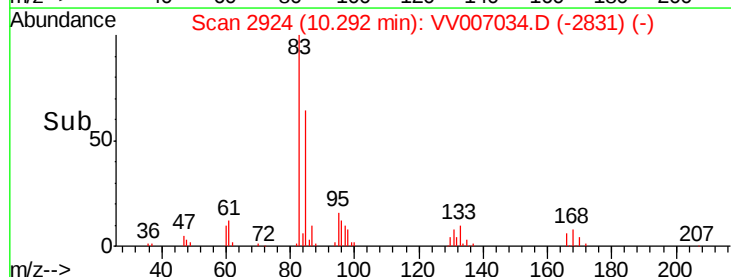
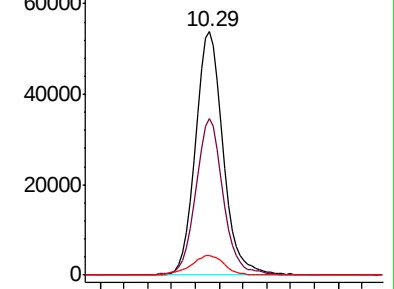
131 7.9 7.4 11.2

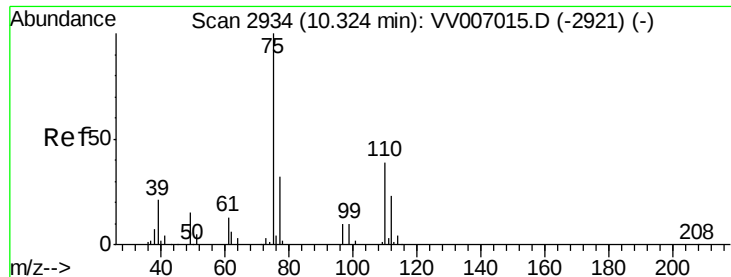


Abundance Ion 82.95 (82.65 to 83.65): VV007015.D (-2909) (-)

Ion 85.00 (84.70 to 85.70): VV007015.D (-2909) (-)

Ion 130.95 (130.65 to 131.65): VV007015.D (-2909) (-)

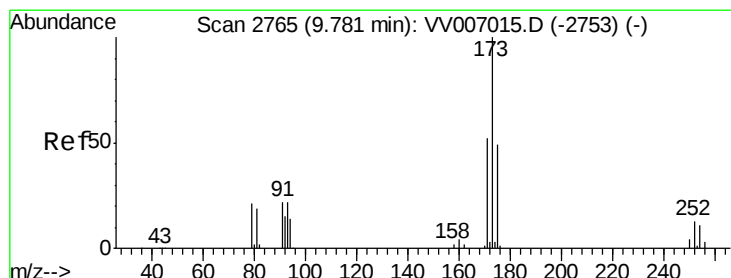
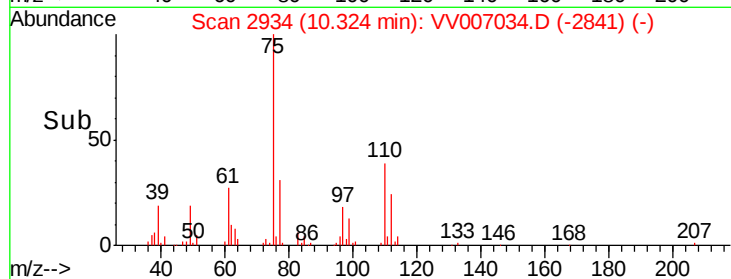
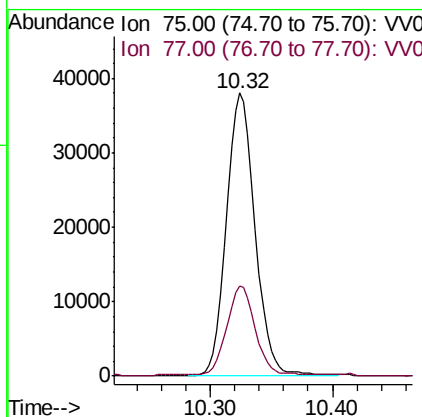
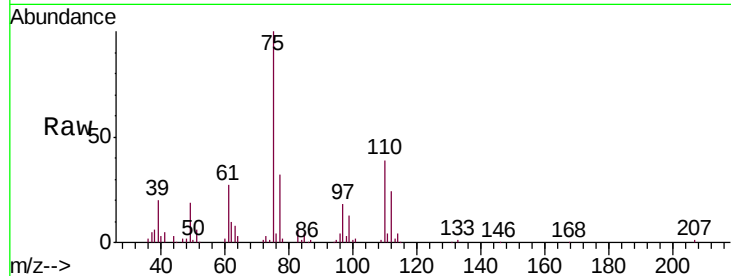




#59
 1,2,3-Trichloropropane
 Concen: 5.304 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

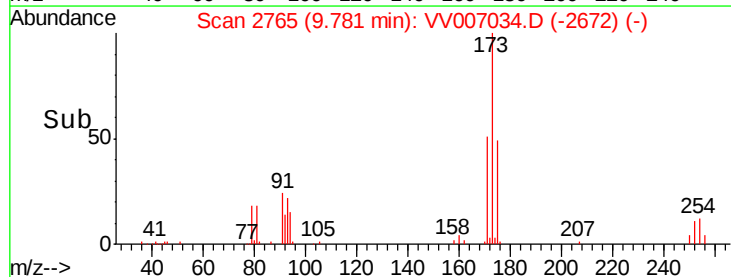
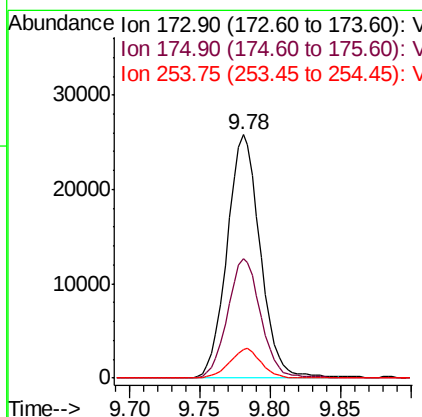
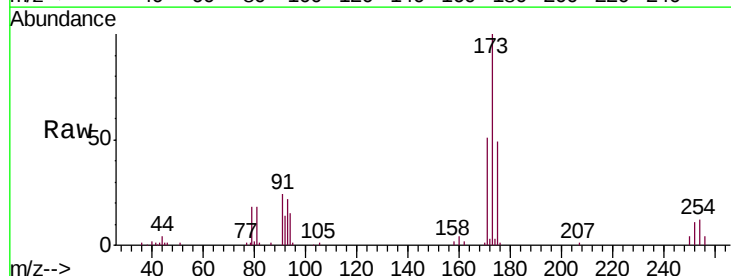
Instrument :
 MSVOA_V
 ClientSampled :
 BFB85

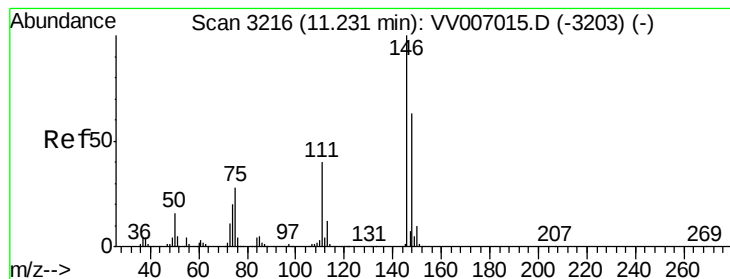
Tgt Ion: 75 Resp: 62720
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0



#61
 Bromoform
 Concen: 5.653 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 173 Resp: 42471
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.3 58.9
 254 11.4 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 5.434 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

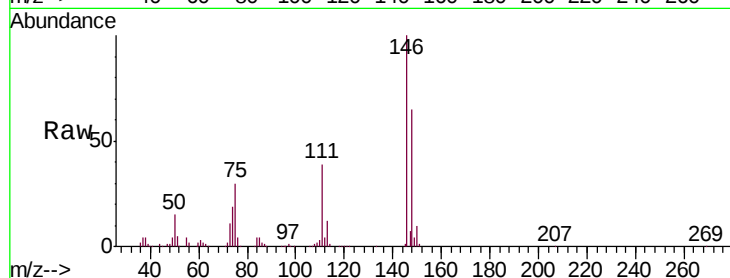
Tgt Ion:146 Resp: 174451

Ion Ratio Lower Upper

146 100

111 38.5 28.1 52.3

148 64.7 44.2 82.2

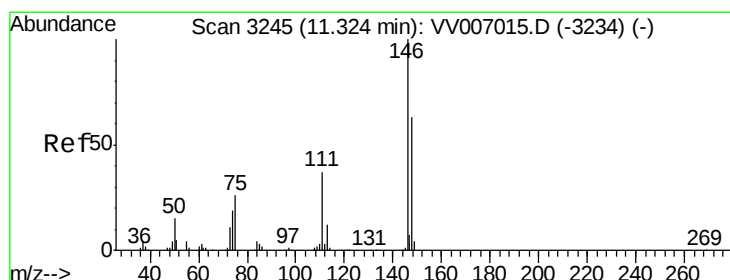
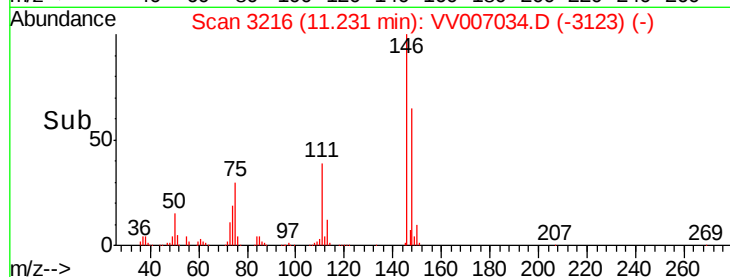
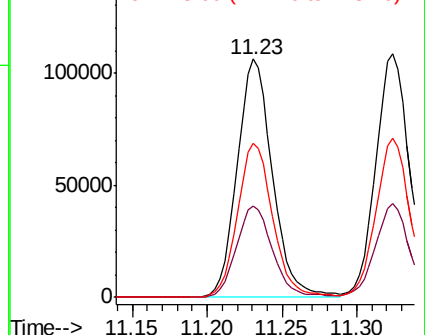


Abundance

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: 5.357 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

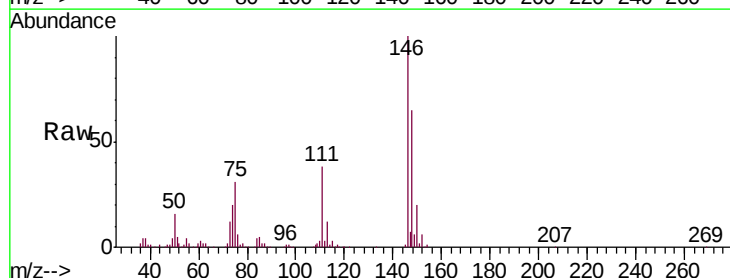
Tgt Ion:146 Resp: 176265

Ion Ratio Lower Upper

146 100

111 38.4 26.6 49.4

148 65.2 46.4 86.2

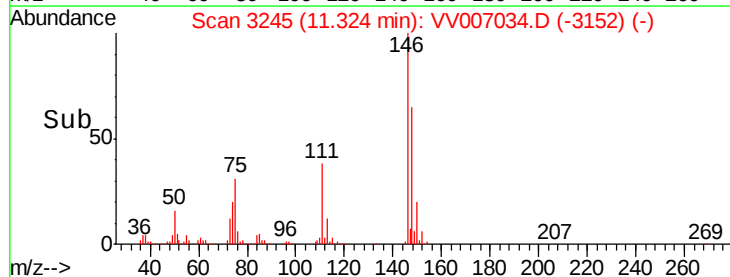
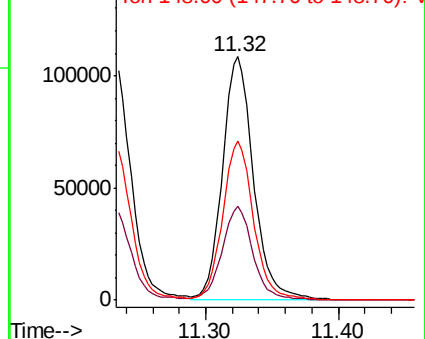


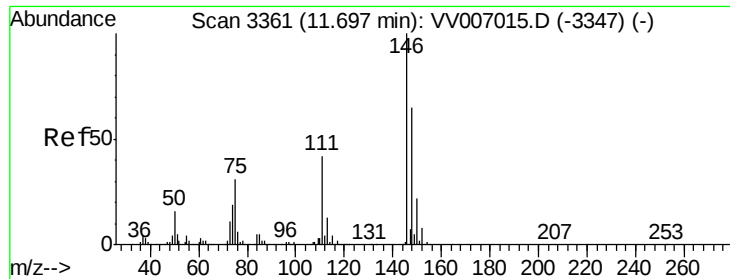
Abundance

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

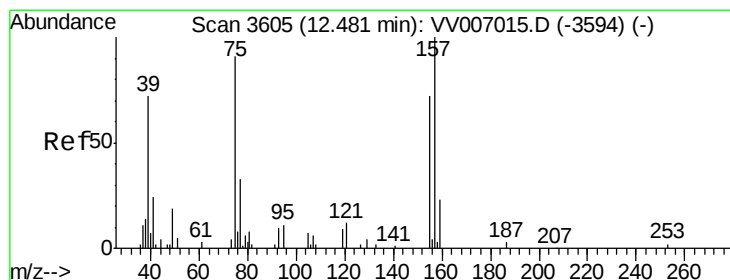
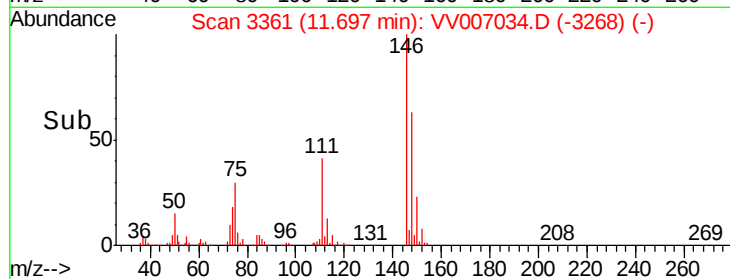
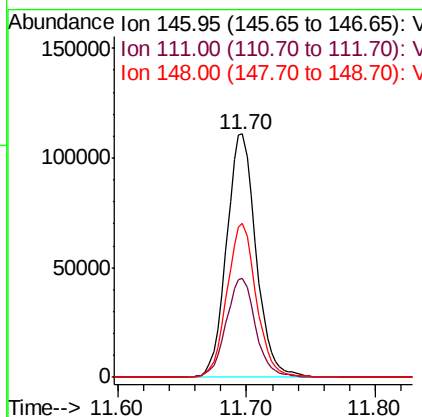
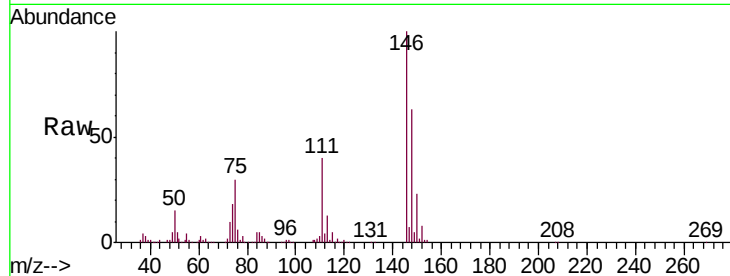




#65
 1,2-Dichlorobenzene
 Concen: 5.570 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

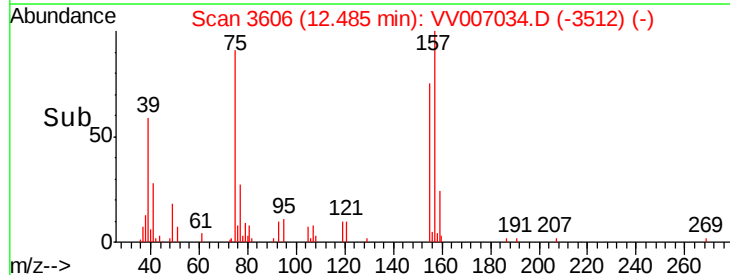
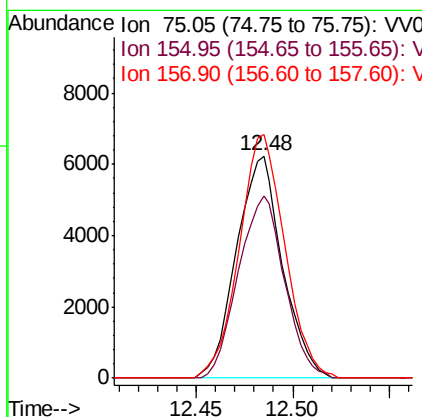
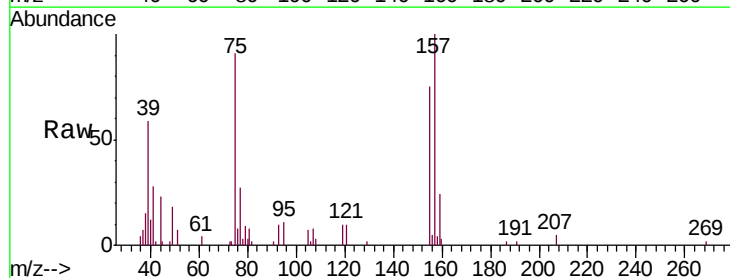
Instrument :
 MSVOA_V
 ClientSampled :
 BFB85

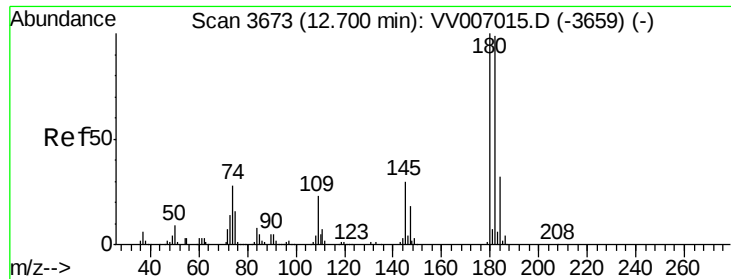
Tgt Ion: 146 Resp: 175886
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.0 49.6
 148 63.1 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.587 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion: 75 Resp: 10282
 Ion Ratio Lower Upper
 75 100
 155 81.8 62.6 94.0
 157 109.7 77.0 115.6

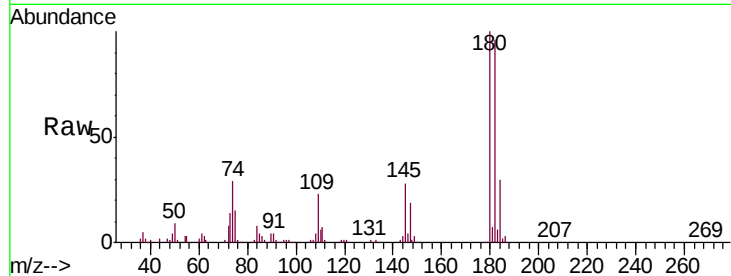




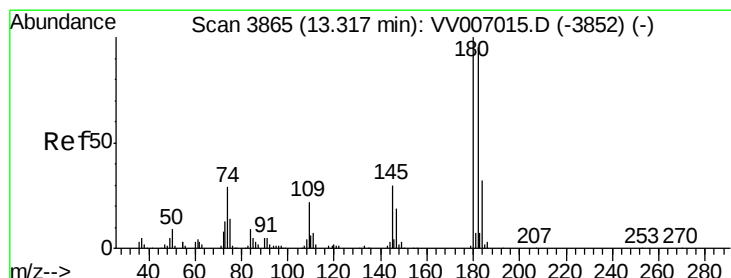
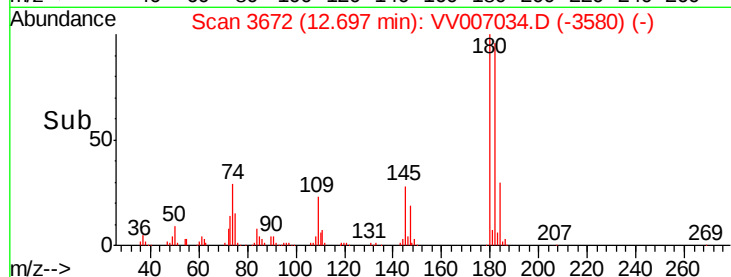
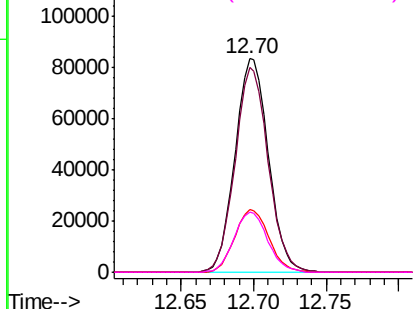
#67
 1,3,5-Trichlorobenzene
 Concen: 5.489 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB85

Tgt Ion:	180	Resp:	133348
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.1	112.7
184	29.9	23.8	35.8
145	28.4	21.9	32.9

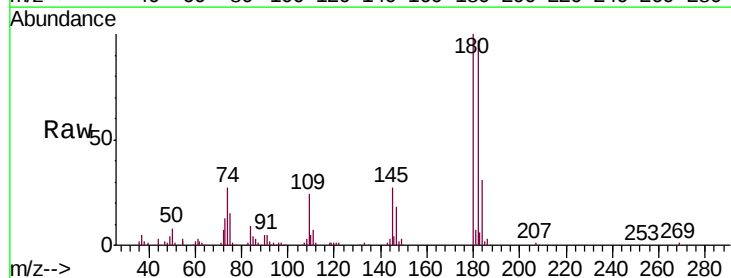


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

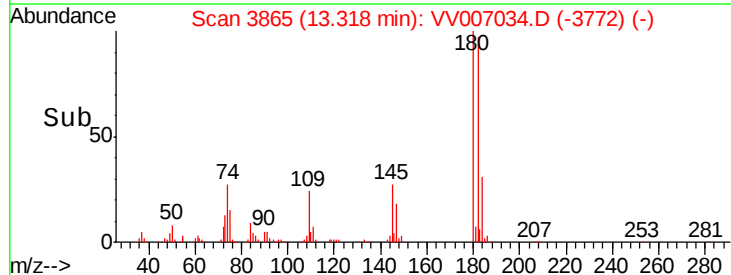
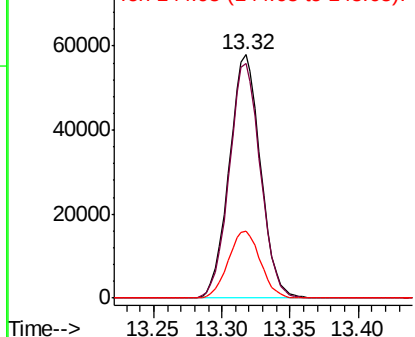


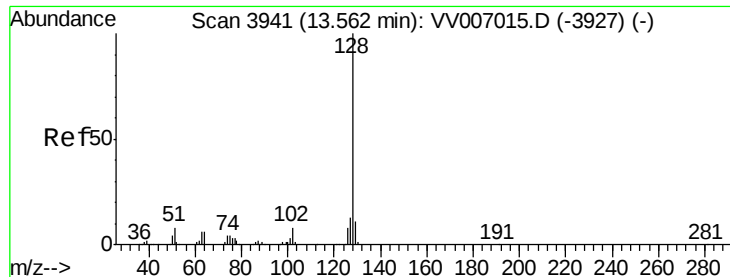
#68
 1,2,4-trichlorobenzene
 Concen: 5.167 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007034.D
 Acq: 16 Aug 2018 10:28

Tgt Ion:	180	Resp:	92128
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	28.3	23.6	35.4



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





#69

Naphthalene

Concen: 4.644 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

Instrument :

MSVOA_V

ClientSampleId :

BFB85

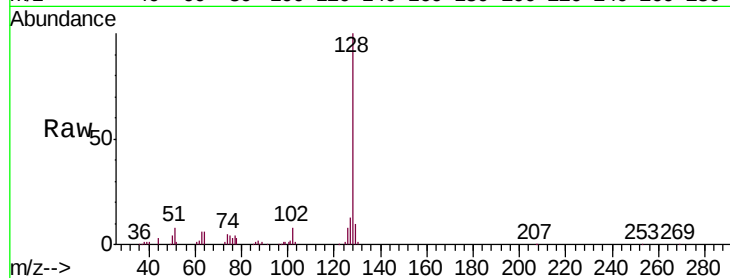
Tgt Ion:128 Resp: 118914

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

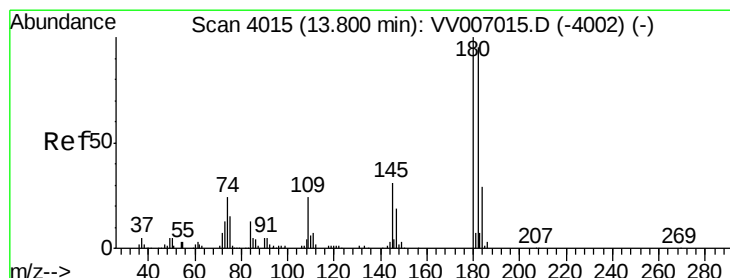
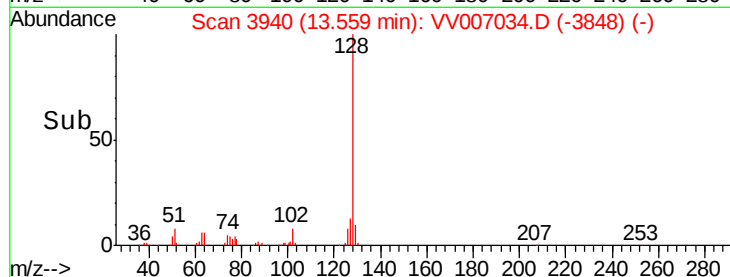
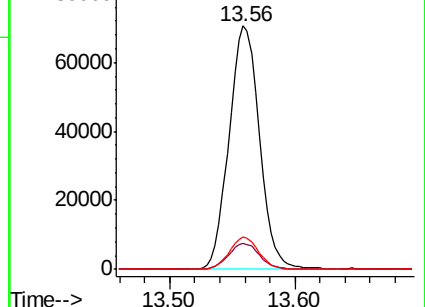
127 12.9 10.6 16.0



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: 5.202 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007034.D

Acq: 16 Aug 2018 10:28

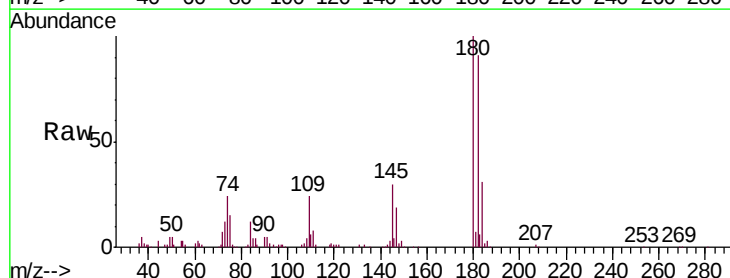
Tgt Ion:180 Resp: 89411

Ion Ratio Lower Upper

180 100

182 93.1 76.1 114.1

145 30.2 24.6 36.8



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

