

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008287.D
 Acq On : 16 Oct 2018 09:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB87

Quant Time: Oct 17 02:25:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 05:17:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	64695	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	57101	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	23808	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18501	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.58	69	13828	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	34094	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.98	46	63099	51.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.92%
24) Chloroform-d	4.41	84	39485	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.09	65	20122	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.10	84	81266	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.12	67	28623	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.36	98	72546	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.67	79	10076	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.14	63	42518	52.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	17997	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	22418	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	21416	4.300	ug/L 99
3) Chloromethane	1.25	50	25960	5.106	ug/L 98
5) Vinyl chloride	1.32	62	24390	5.067	ug/L 99
6) Bromomethane	1.54	94	12994	4.717	ug/L 98
8) Chloroethane	1.60	64	13180	5.267	ug/L 100
9) Trichlorofluoromethane	1.77	101	29388	5.022	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15847	4.745	ug/L 99
12) 1,1-Dichloroethene	2.14	96	15417	4.961	ug/L 91
13) Acetone	2.23	43	32763	49.379	ug/L 98
14) Carbon disulfide	2.32	76	52964	4.953	ug/L 100
15) Methyl Acetate	2.48	43	8819	5.343	ug/L 92
16) Methylene chloride	2.54	84	17789	4.945	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	49391	5.594	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	17692	5.291	ug/L 99
19) 1,1-Dichloroethane	3.23	63	35558	5.147	ug/L 98
21) 2-Butanone	4.06	43	68673	49.846	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	26166	4.847	ug/L # 98

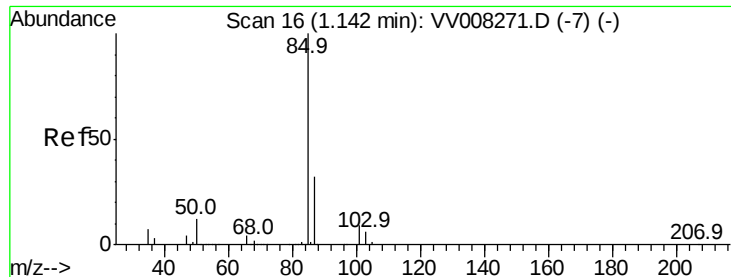
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 QLast Update : Tue Oct 16 05:17:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	9988	4.990	ug/L	89
25) Chloroform	4.43	83	42980	5.076	ug/L	98
27) 1,2-Dichloroethane	5.19	62	26838	5.331	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	35205	4.951	ug/L	98
30) Cyclohexane	4.72	56	42123	4.713	ug/L	98
31) Carbon tetrachloride	4.87	117	29325	4.905	ug/L	98
33) Benzene	5.15	78	98447	5.116	ug/L	100
34) Trichloroethene	5.96	95	25867	4.851	ug/L	95
35) Methylcyclohexane	6.18	83	41205	4.582	ug/L	98
37) 1,2-Dichloropropane	6.23	63	26298	5.065	ug/L	100
38) Bromodichloromethane	6.56	83	31239	5.356	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	35300	4.765	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	171073	53.803	ug/L	99
42) Toluene	7.43	91	98830	4.927	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	27727	4.677	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	17259	5.355	ug/L	98
47) Tetrachloroethene	8.02	164	16810	5.032	ug/L	92
48) 2-Hexanone	8.19	43	122609	52.758	ug/L	99
49) Dibromochloromethane	8.29	129	19995	5.443	ug/L	97
50) 1,2-Dibromoethane	8.40	107	16205	5.364	ug/L	92
51) Chlorobenzene	8.93	112	61357	5.149	ug/L	98
52) Ethylbenzene	9.06	91	108733	4.930	ug/L	99
53) m,p-xylene	9.18	106	39873	4.998	ug/L	99
54) o-xylene	9.59	106	39742	5.001	ug/L	99
55) Styrene	9.61	104	65329	5.109	ug/L	99
56) Isopropylbenzene	9.98	105	103058	4.921	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	18915	5.158	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	15202	5.233	ug/L	98
61) Bromoform	9.78	173	9908	5.693	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	41828	5.191	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	41463	5.197	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	39897	5.164	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	2822	4.842	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	26778	5.136	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	19252	5.187	ug/L	96
69) Naphthalene	13.56	128	35690	5.158	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	19293	5.236	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.300 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

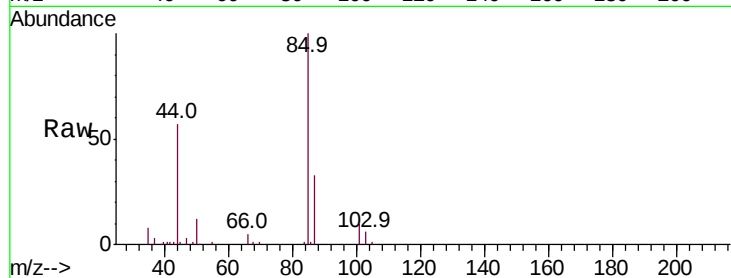
BFB87

Tot Ion: 85 Resp: 21416

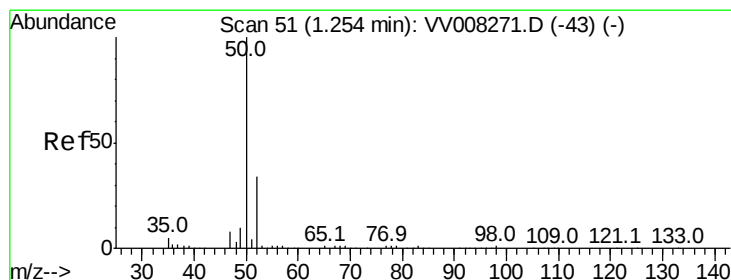
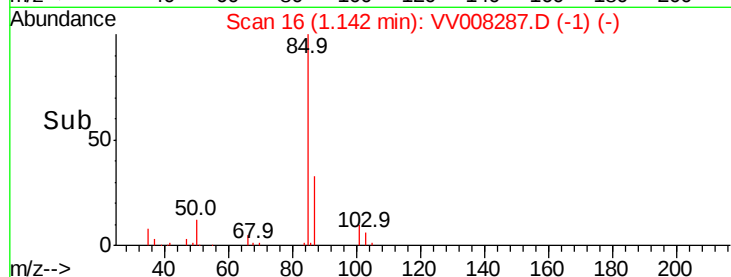
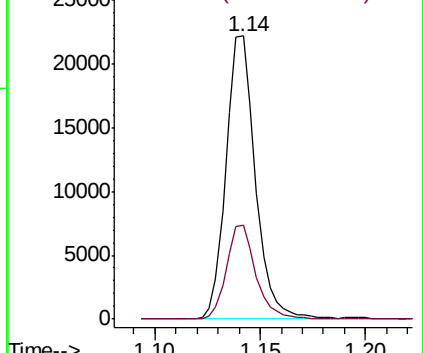
Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008287.D (-1) (-)



#3

Chloromethane

Concen: 5.106 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008287.D

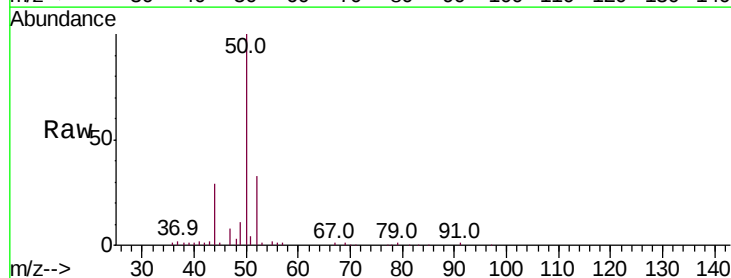
Acq: 16 Oct 2018 09:40

Tgt Ion: 50 Resp: 25960

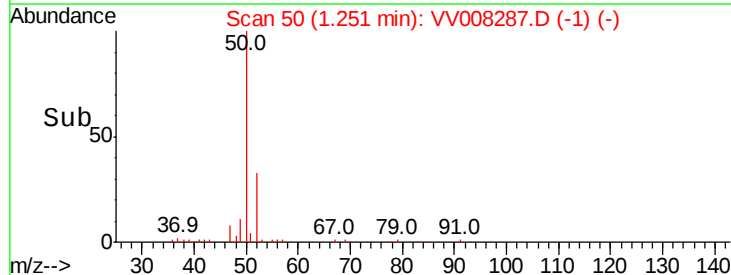
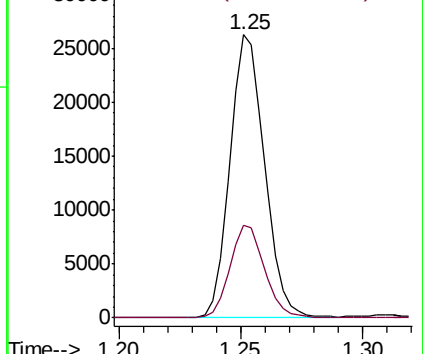
Ion Ratio Lower Upper

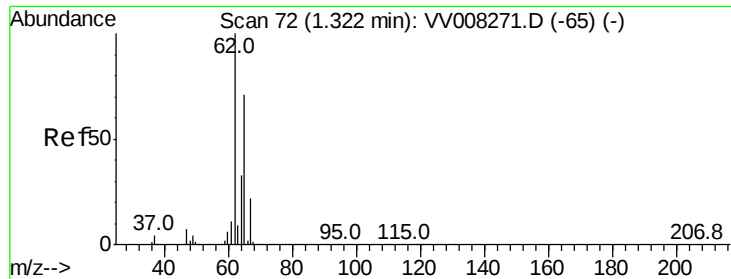
50 100

52 32.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008287.D (-1) (-)





#5

Vinyl chloride

Concen: 5.067 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampled :

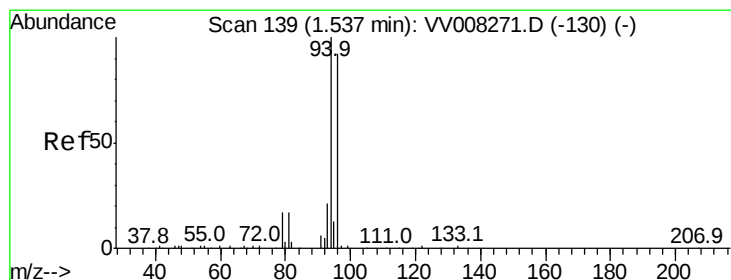
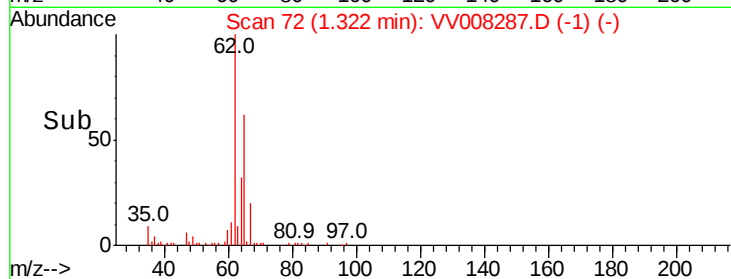
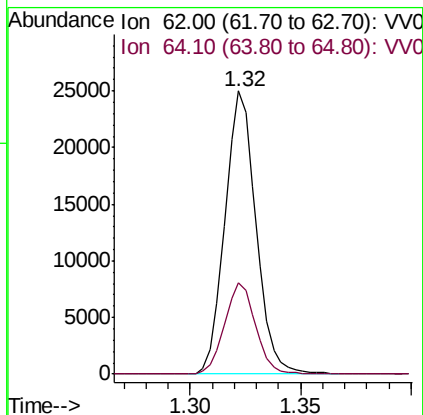
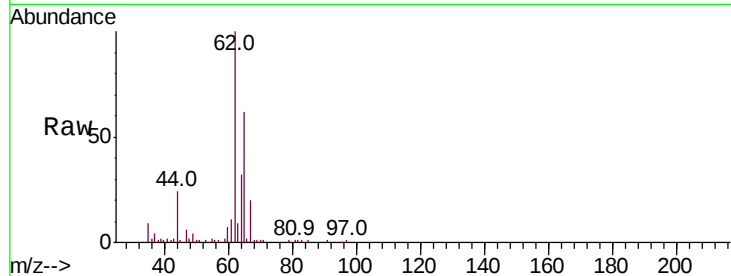
BFB87

Tot Ion: 62 Resp: 24390

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#6

Bromomethane

Concen: 4.717 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008287.D

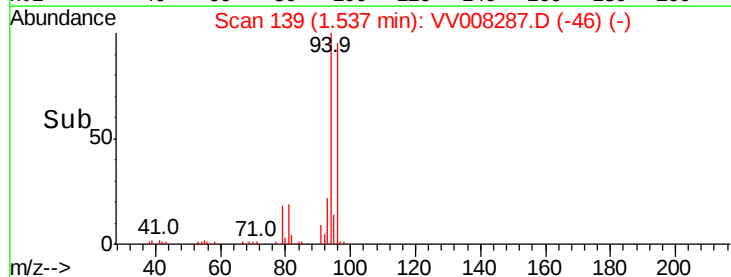
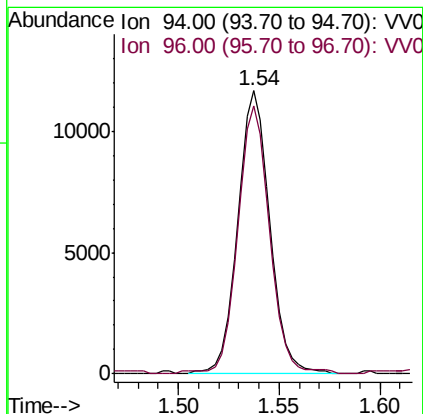
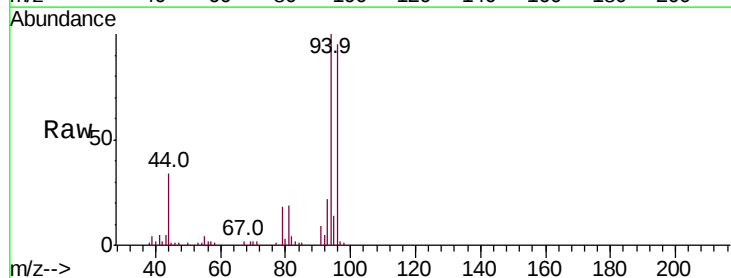
Acq: 16 Oct 2018 09:40

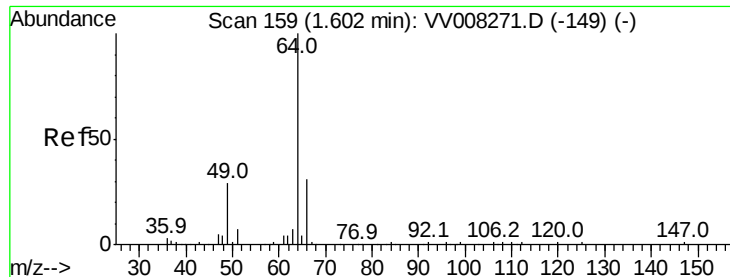
Tgt Ion: 94 Resp: 12994

Ion Ratio Lower Upper

94 100

96 94.8 65.0 120.8

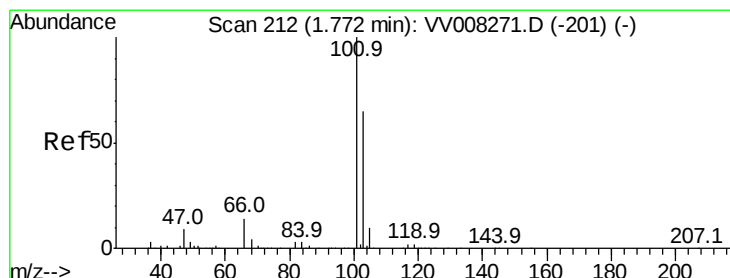
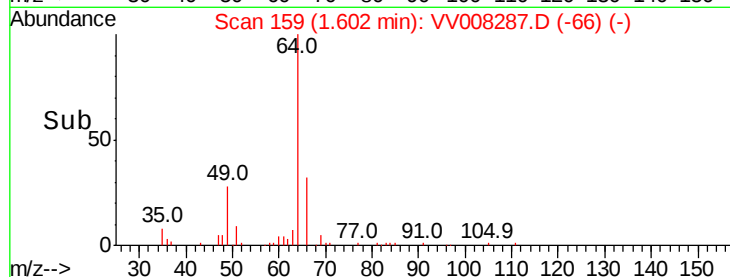
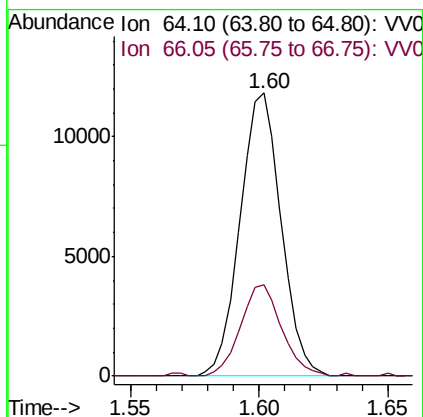
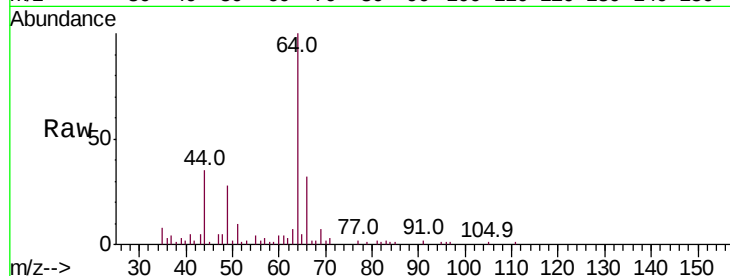




#8
Chloroethane
Concen: 5.267 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

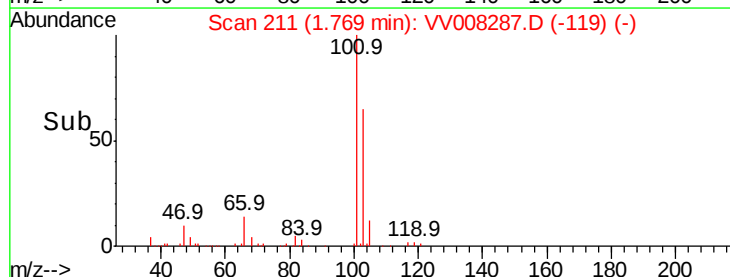
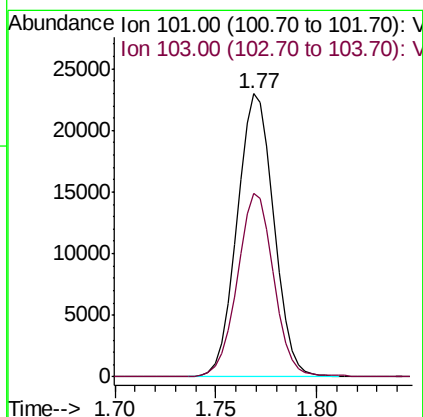
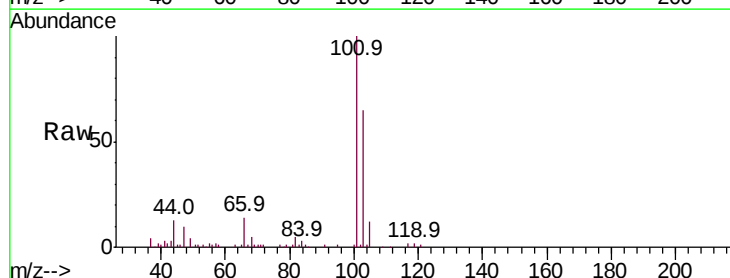
Instrument :
MSVOA_V
ClientSampleId :
BFB87

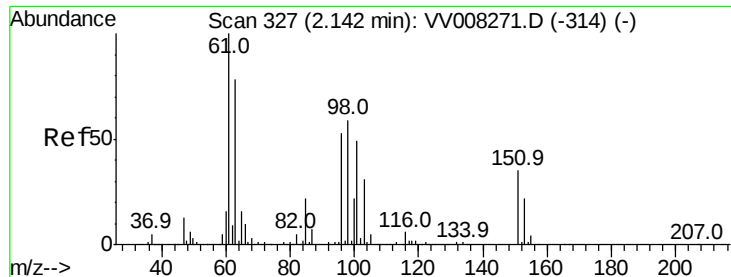
Tot Ion: 64 Resp: 13180
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.022 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Tgt Ion: 101 Resp: 29388
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 4.745 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

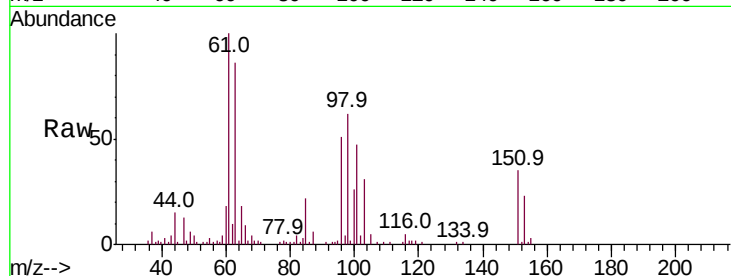
Tot Ion:101 Resp: 15847

Ion Ratio Lower Upper

101 100

85 48.9 37.4 56.2

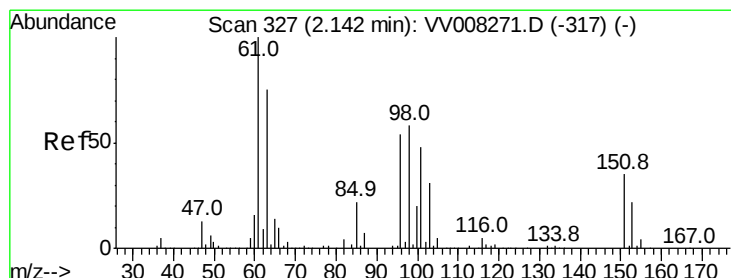
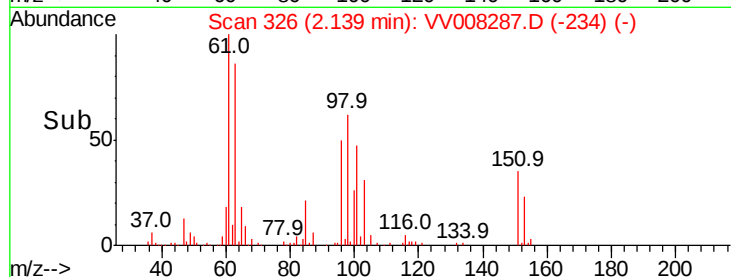
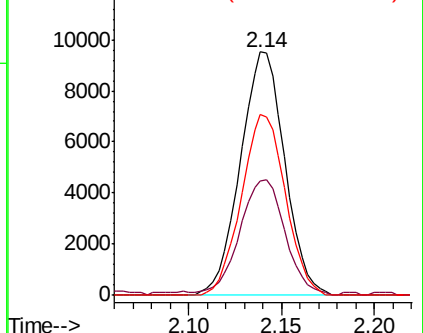
151 73.9 59.0 88.6



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: 4.961 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

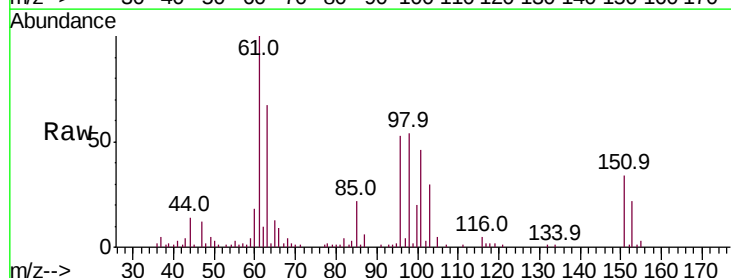
Tgt Ion: 96 Resp: 15417

Ion Ratio Lower Upper

96 100

61 189.9 129.9 241.3

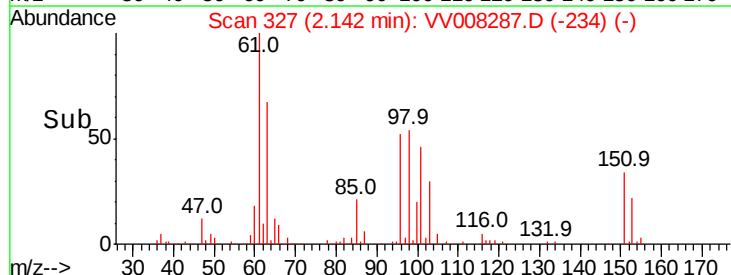
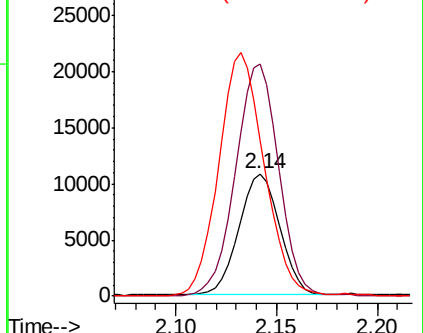
63 127.3 103.0 191.4

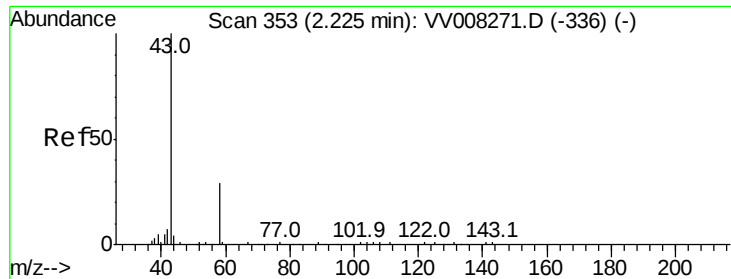


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.379 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

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ClientSampleId :

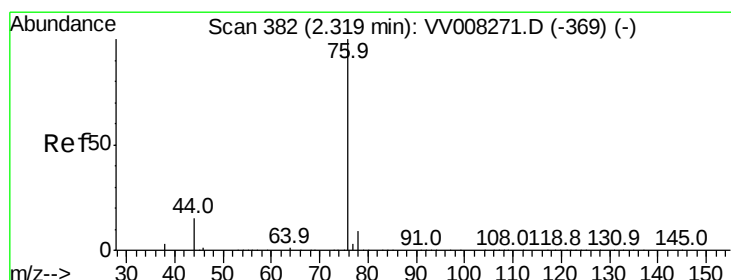
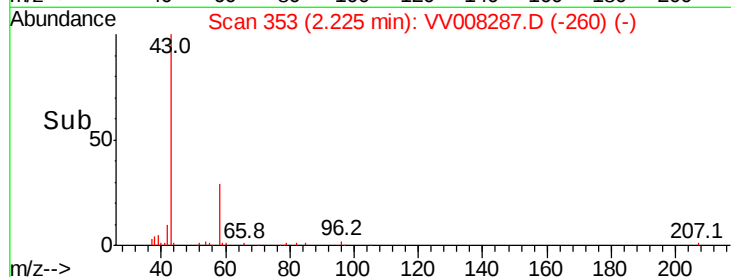
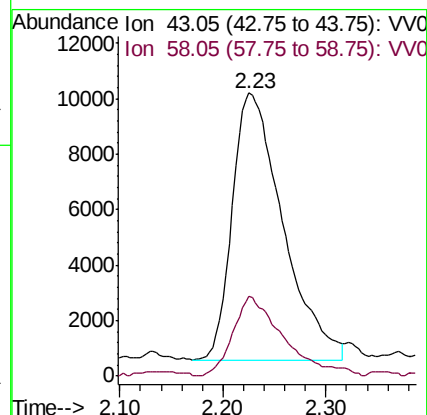
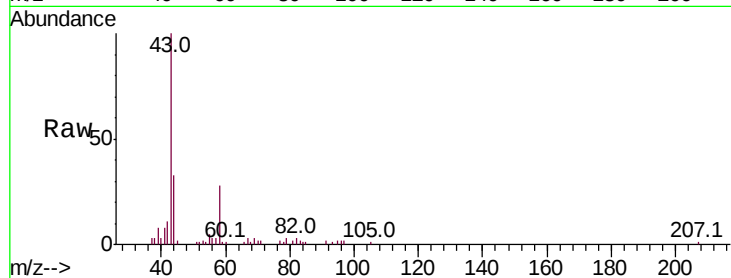
BFB87

Tot Ion: 43 Resp: 32763

Ion Ratio Lower Upper

43 100

58 30.2 0.0 62.0



#14

Carbon disulfide

Concen: 4.953 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008287.D

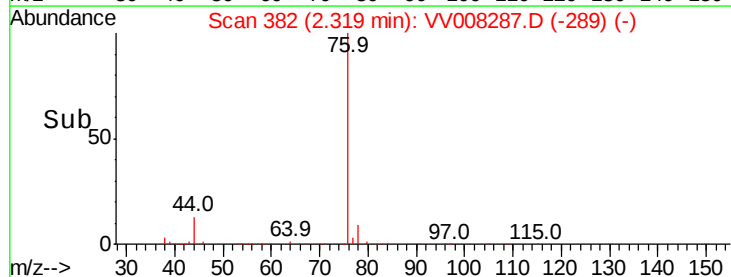
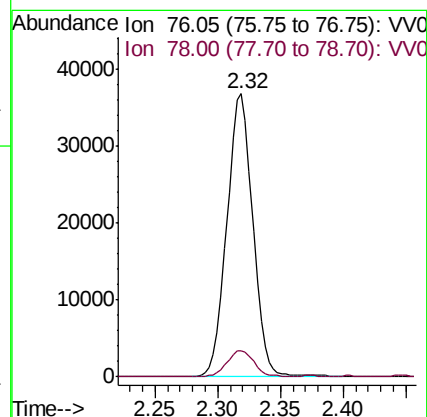
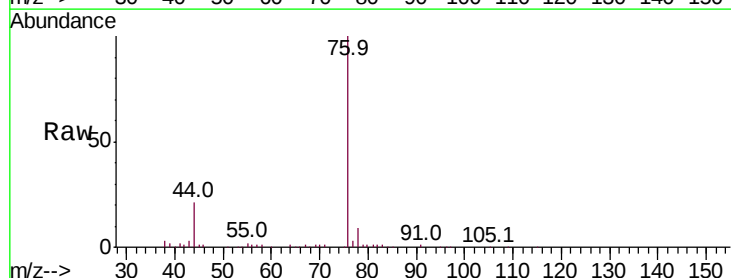
Acq: 16 Oct 2018 09:40

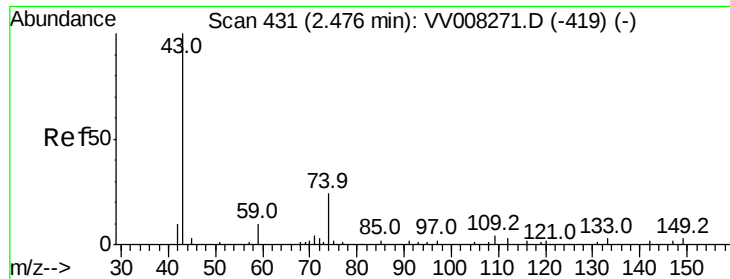
Tgt Ion: 76 Resp: 52964

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

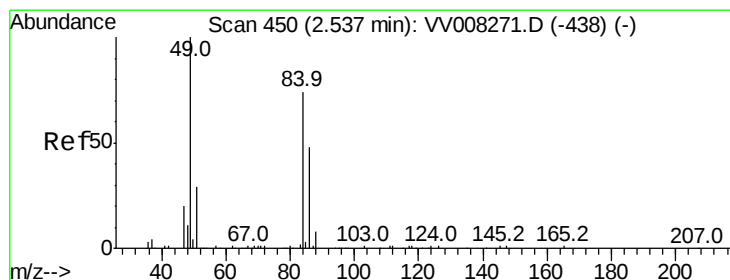
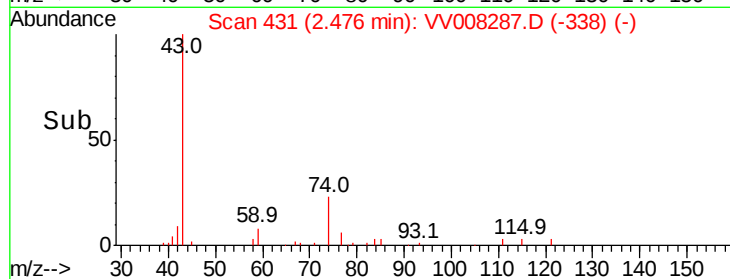
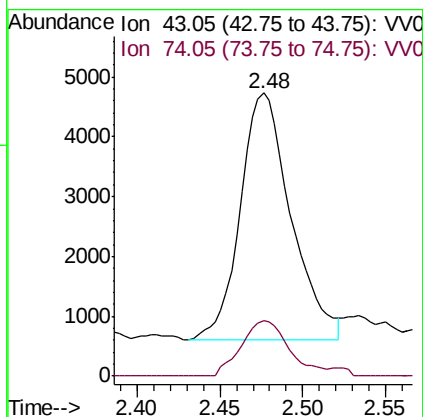
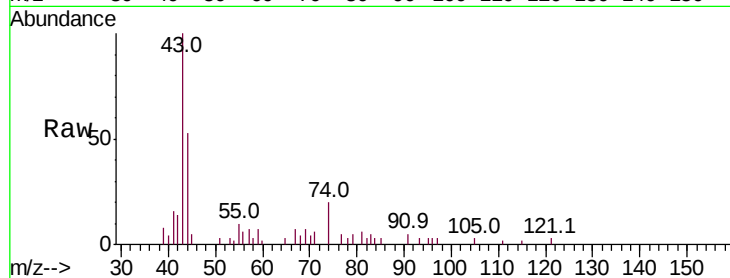




#15
Methyl Acetate
Concen: 5.343 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

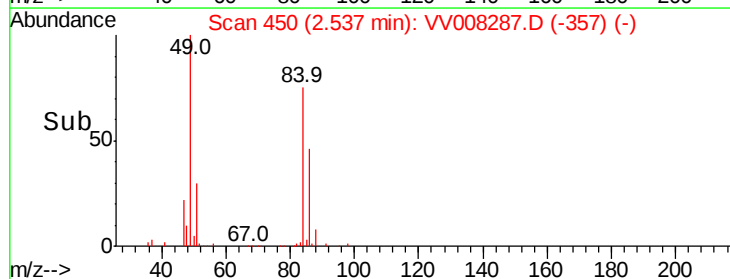
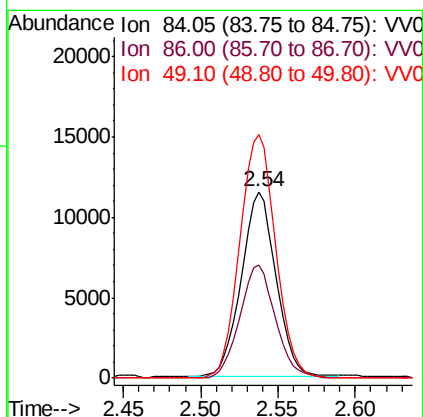
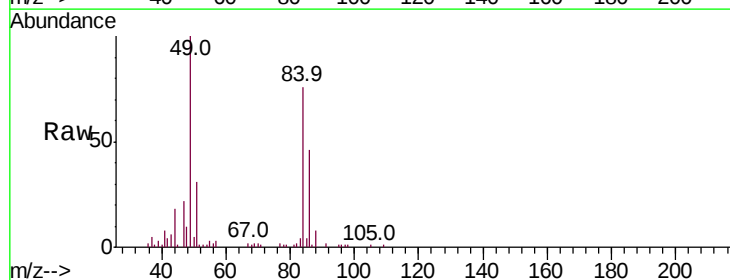
Instrument :
MSVOA_V
ClientSampled :
BFB87

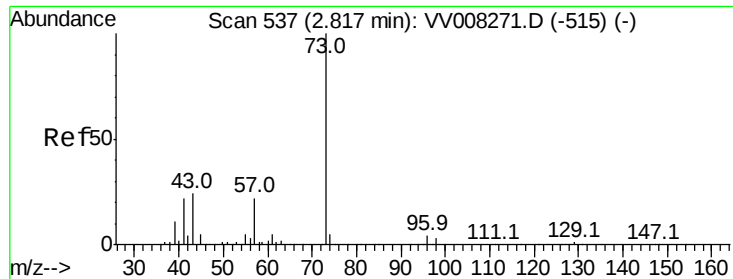
Tot Ion: 43 Resp: 8819
Ion Ratio Lower Upper
43 100
74 21.2 20.0 30.0



#16
Methylene chloride
Concen: 4.945 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Tgt Ion: 84 Resp: 17789
Ion Ratio Lower Upper
84 100
86 60.8 45.0 83.6
49 130.9 92.9 172.5

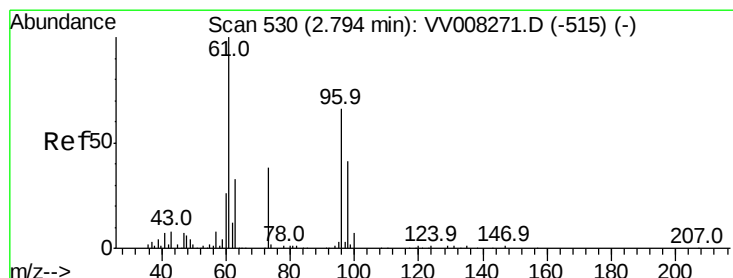
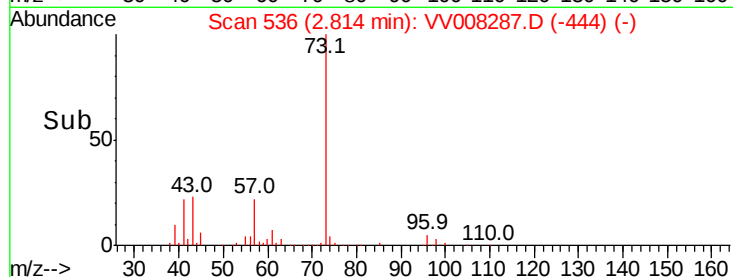
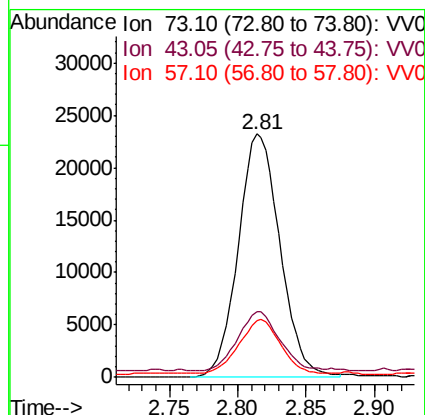
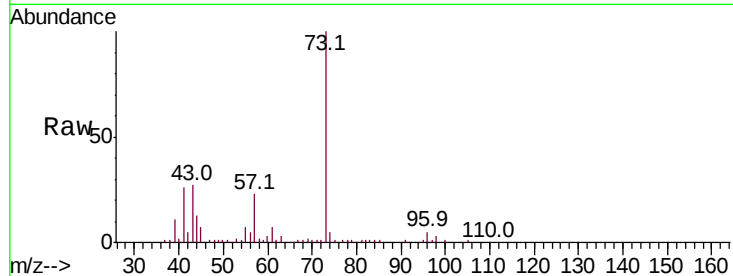




#17
Methvl tert-butvl Ether
Concen: 5.594 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

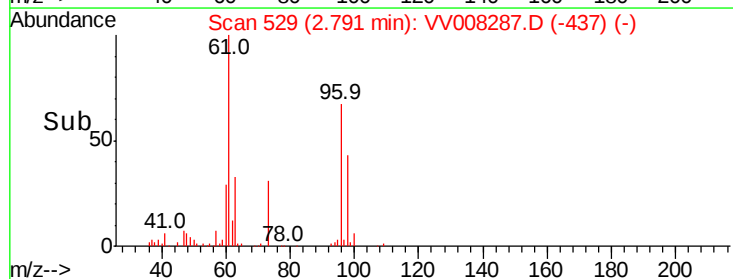
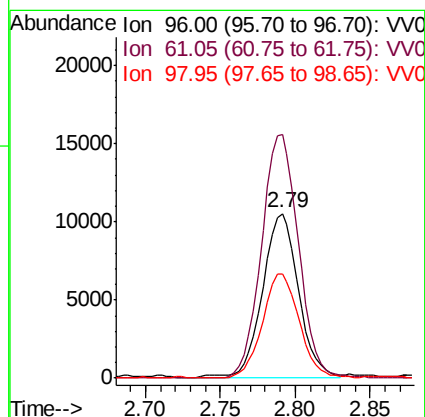
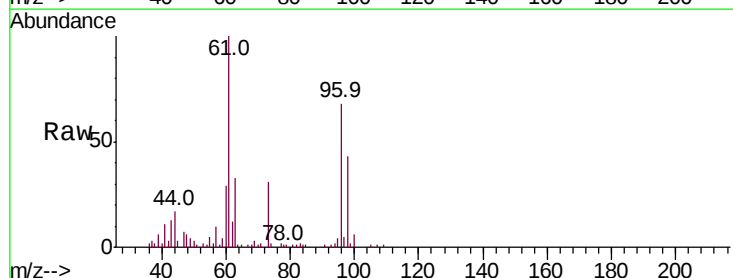
Instrument :
MSVOA_V
ClientSampleId :
BFB87

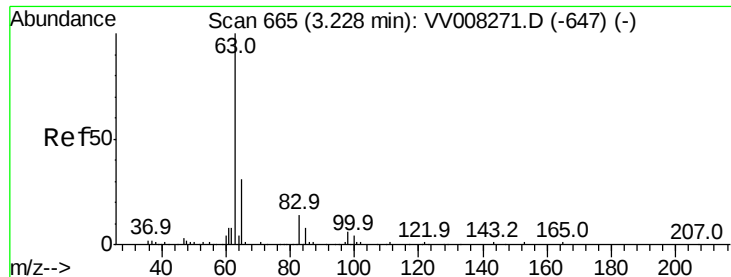
Tot Ion:	73	Resp:	49391
Ion	Ratio	Lower	Upper
73	100		
43	24.7	19.0	28.6
57	22.2	18.2	27.2



#18
trans-1,2-Dichloroethene
Concen: 5.291 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Tgt Ion:	96	Resp:	17692
Ion	Ratio	Lower	Upper
96	100		
61	148.1	104.6	194.2
98	63.6	44.1	81.9

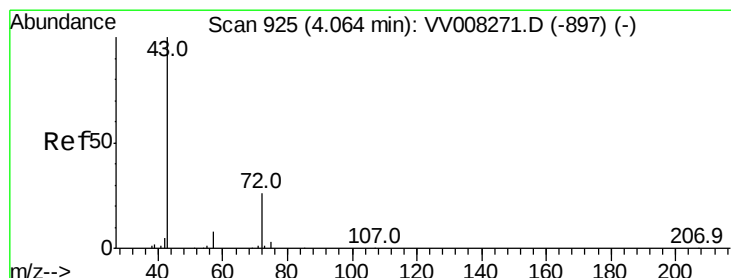
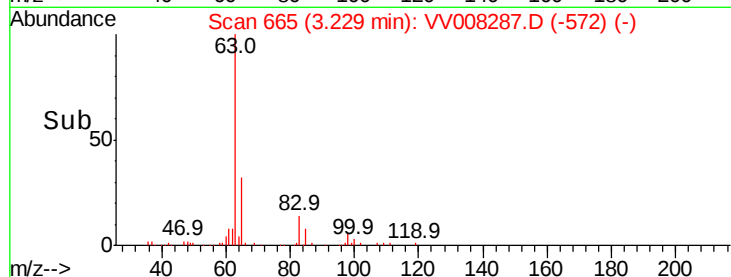
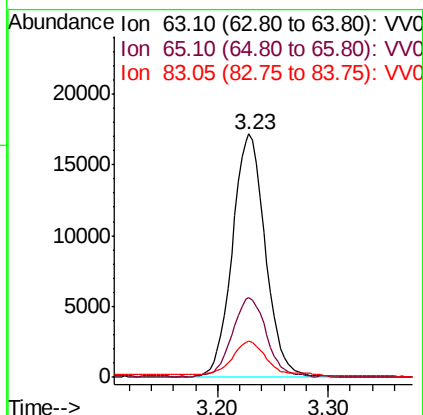
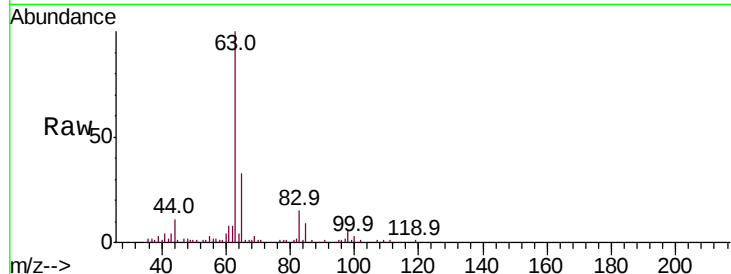




#19
 1,1-Dichloroethane
 Concen: 5.147 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

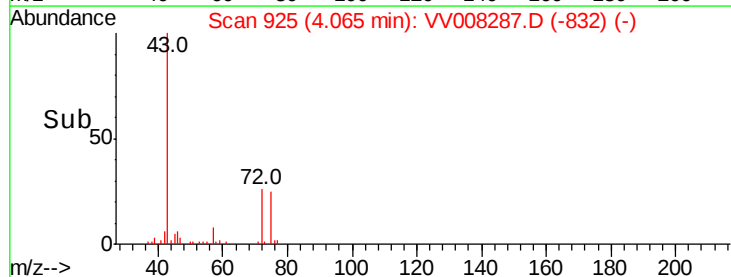
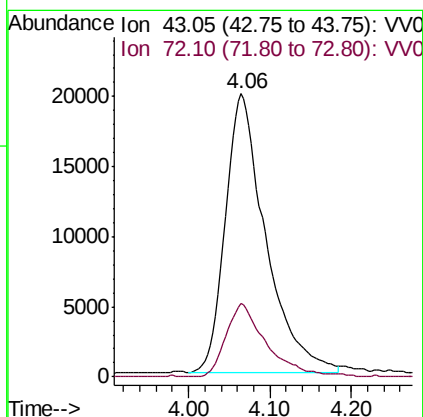
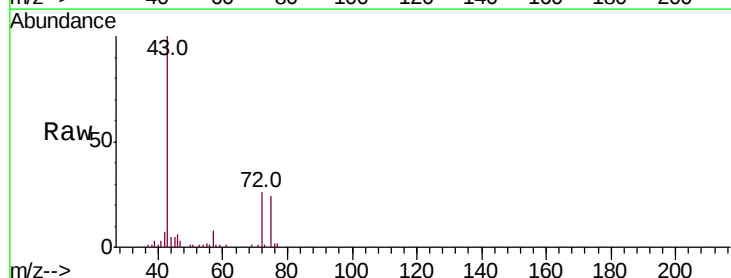
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB87

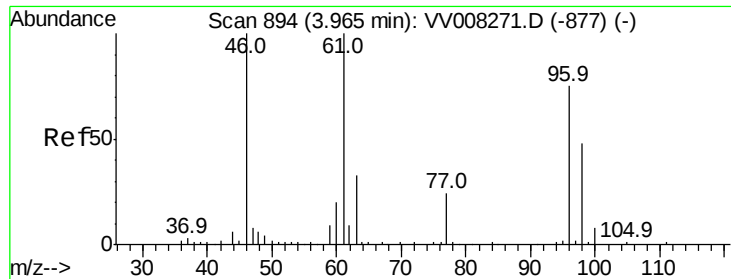
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.6	42.0
83	14.8	11.0	20.4



#21
 2-Butanone
 Concen: 49.846 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	12.9	38.7





#22

cis-1,2-Dichloroethene

Concen: 4.847 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

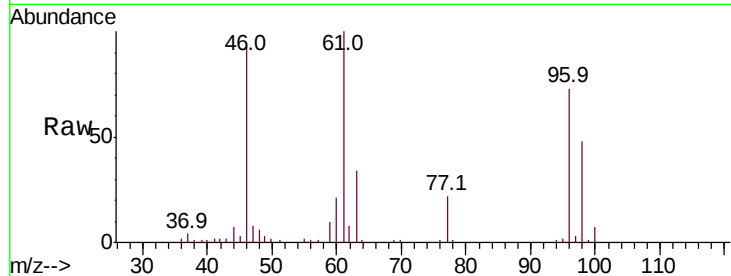
Tot Ion: 96 Resp: 26166

Ion Ratio Lower Upper

96 100

61 136.4 93.7 174.1

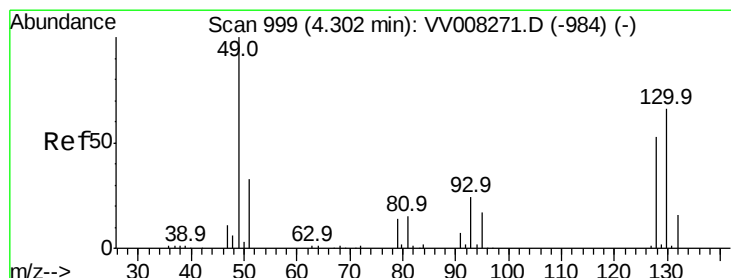
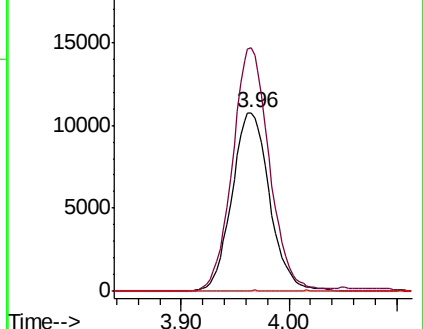
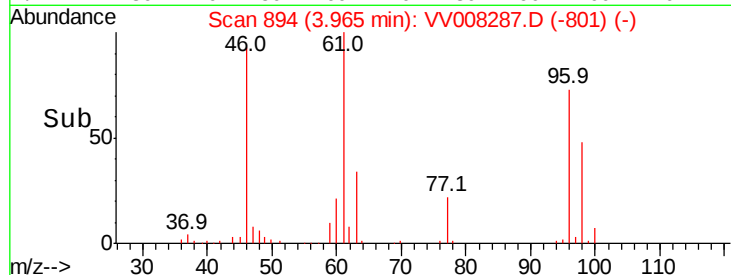
68 0.0 0.6 1.2#



Abundance Ion 96.00 (95.70 to 96.70): VV008287.D (-801) (-)

Ion 61.05 (60.75 to 61.75): VV008287.D (-801) (-)

Ion 68.15 (67.85 to 68.85): VV008287.D (-801) (-)



#23

Bromochloromethane

Concen: 4.990 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Tgt Ion: 128 Resp: 9988

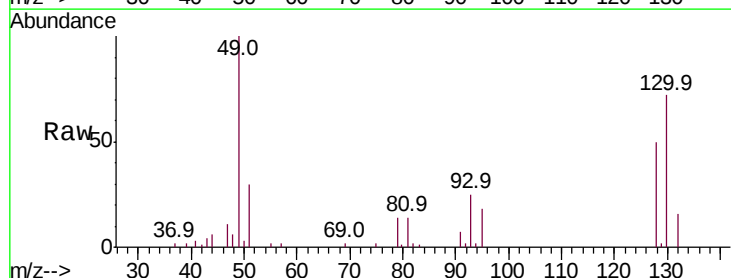
Ion Ratio Lower Upper

128 100

49 201.3 131.3 243.9

130 144.3 86.0 159.8

51 61.4 50.9 76.3

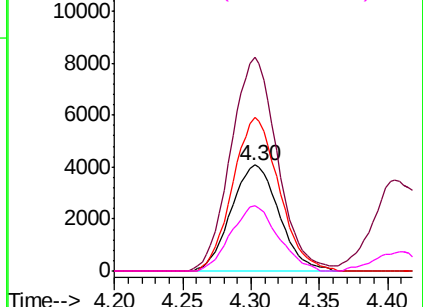
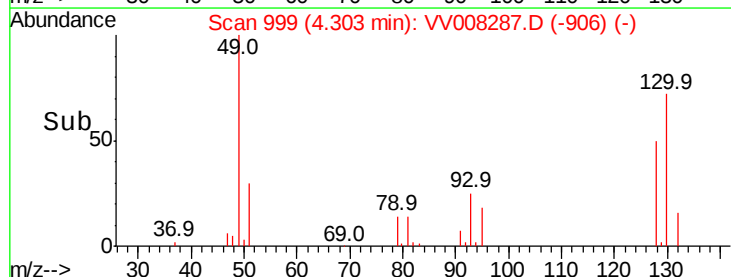


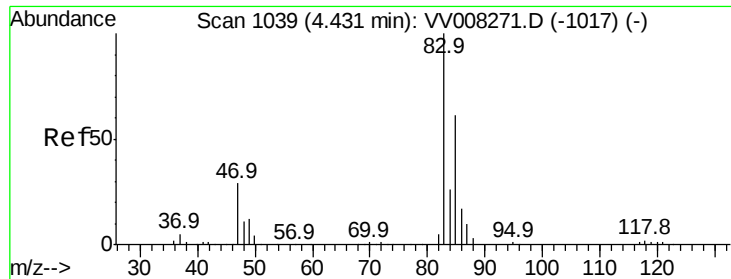
Abundance Ion 127.90 (127.60 to 128.60): VV008287.D (-906) (-)

Ion 49.10 (48.80 to 49.80): VV008287.D (-906) (-)

Ion 129.95 (129.65 to 130.65): VV008287.D (-906) (-)

Ion 51.05 (50.75 to 51.75): VV008287.D (-906) (-)





#25

Chloroform

Concen: 5.076 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

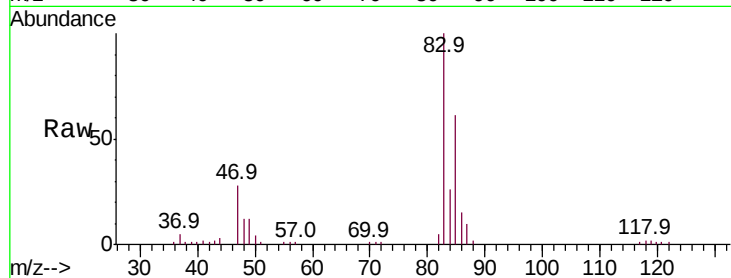
BFB87

Tot Ion: 83 Resp: 42980

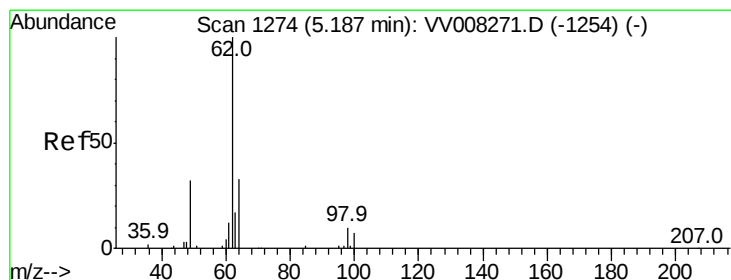
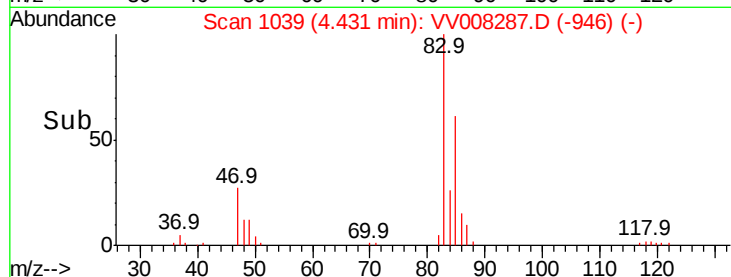
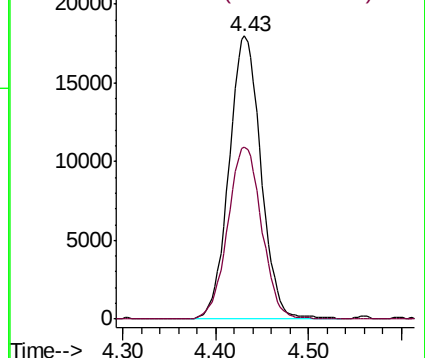
Ion Ratio Lower Upper

83 100

85 60.8 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV008287.D (-946) (-)



#27

1,2-Dichloroethane

Concen: 5.331 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV008287.D

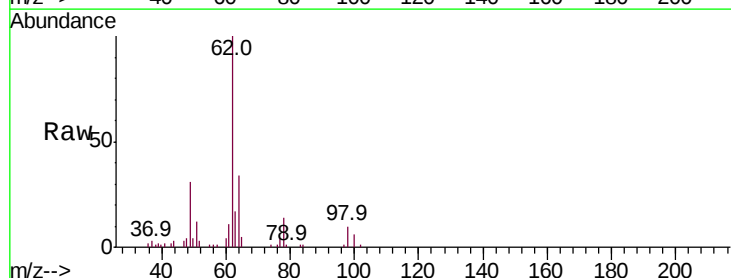
Acq: 16 Oct 2018 09:40

Tgt Ion: 62 Resp: 26838

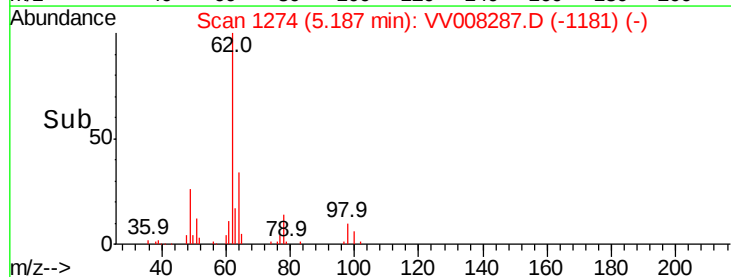
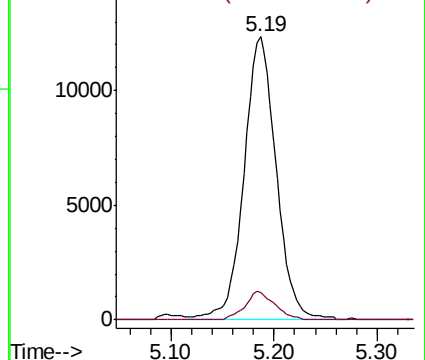
Ion Ratio Lower Upper

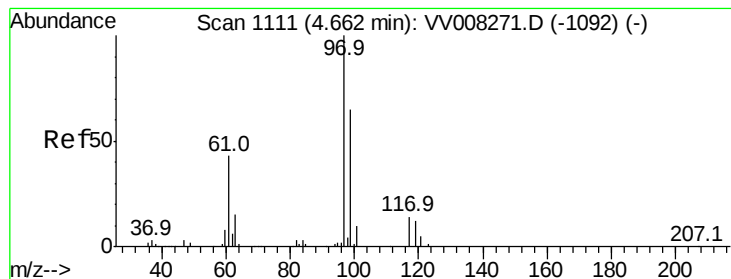
62 100

98 9.7 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV008287.D (-1181) (-)





#29

1,1,1-Trichloroethane

Concen: 4.951 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

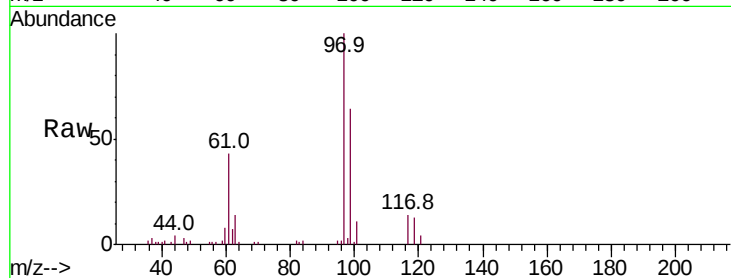
Tot Ion: 97 Resp: 35205

Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

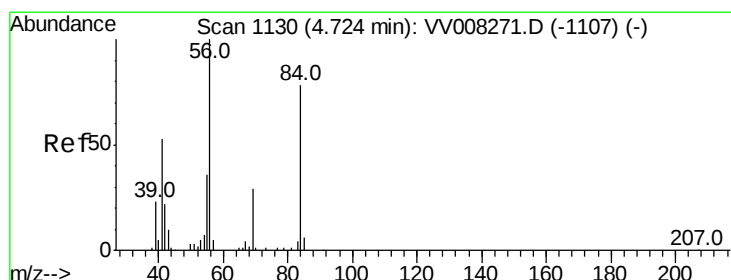
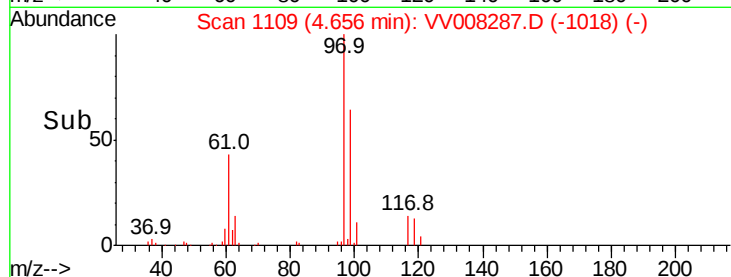
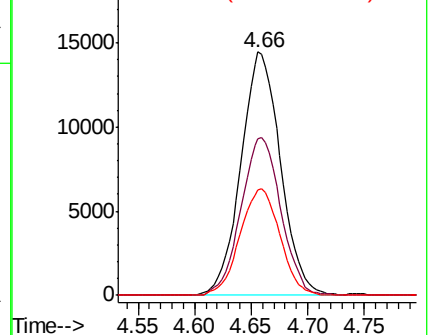
61 44.0 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VV008287.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV008287.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV008287.D (-1092) (-)



#30

Cyclohexane

Concen: 4.713 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

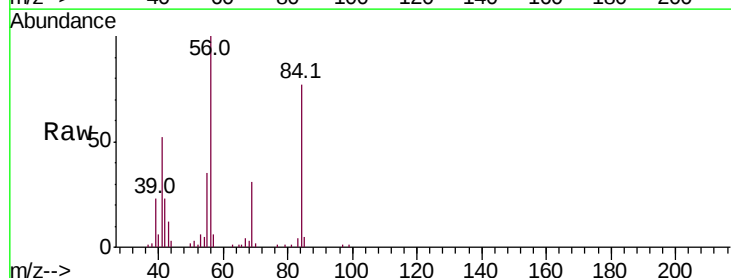
Tgt Ion: 56 Resp: 42123

Ion Ratio Lower Upper

56 100

69 31.6 24.3 36.5

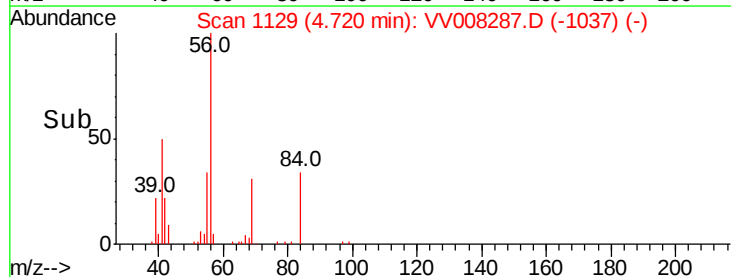
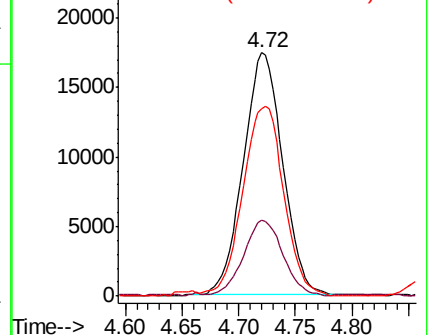
84 81.9 64.1 96.1

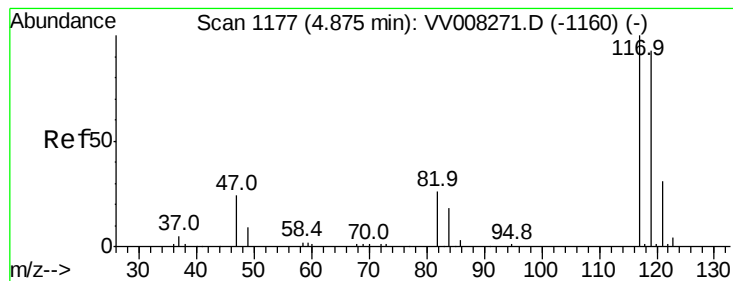


Abundance Ion 56.10 (55.80 to 56.80): VV008287.D (-1037) (-)

Ion 69.15 (68.85 to 69.85): VV008287.D (-1037) (-)

Ion 84.15 (83.85 to 84.85): VV008287.D (-1037) (-)





#31

Carbon tetrachloride

Concen: 4.905 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

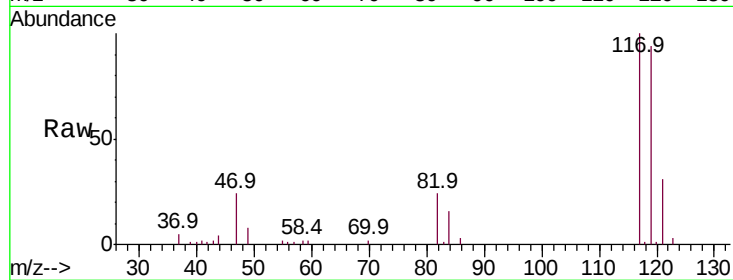
BFB87

Tot Ion:117 Resp: 29325

Ion Ratio Lower Upper

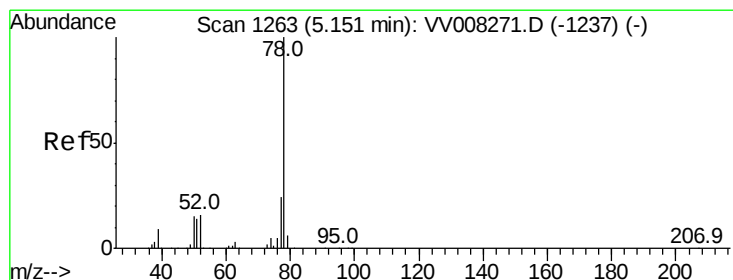
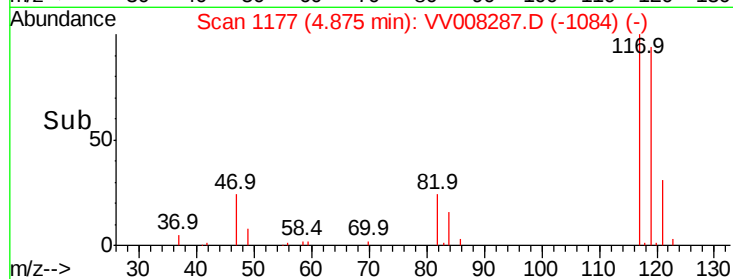
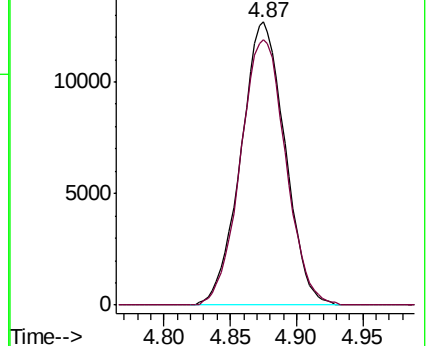
117 100

119 96.3 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.116 ug/L

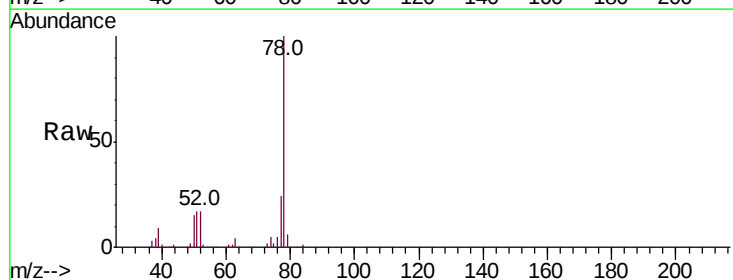
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

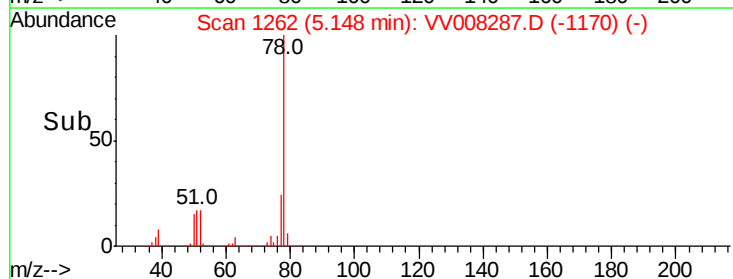
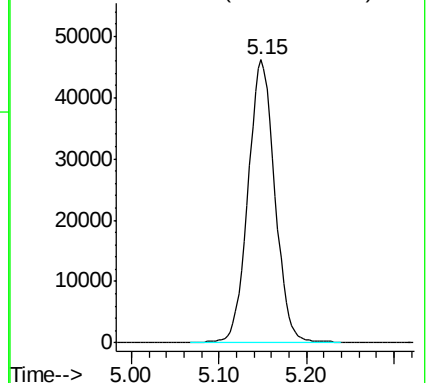
Lab File: VV008287.D

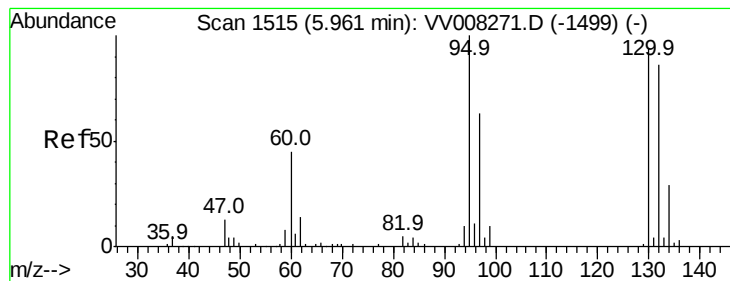
Acq: 16 Oct 2018 09:40

Tgt Ion: 78 Resp: 98447



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.851 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

Tot Ion: 95 Resp: 25867

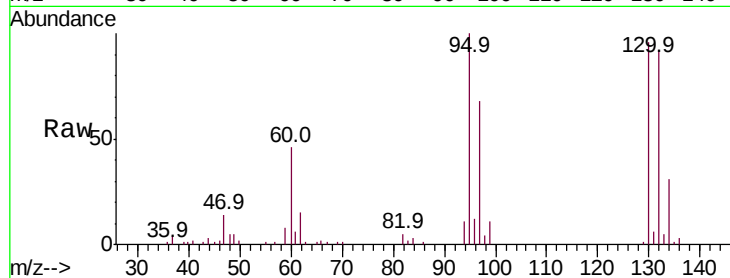
Ion Ratio Lower Upper

95 100

97 67.9 44.4 82.4

132 91.9 60.4 112.2

130 96.0 65.5 121.7

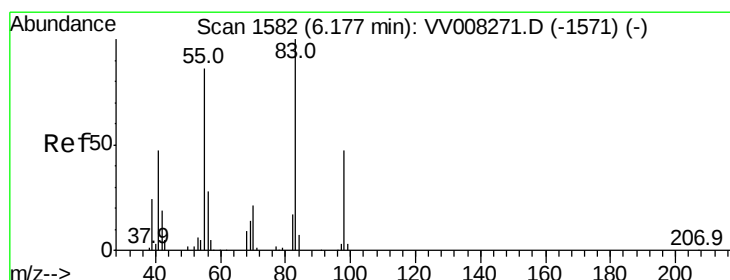
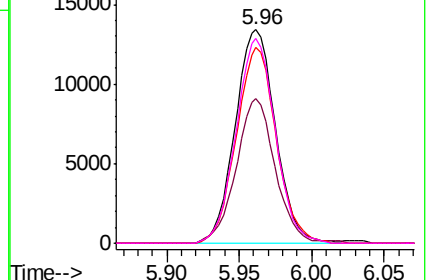
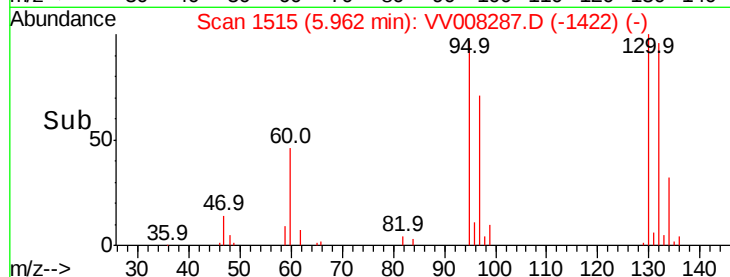


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.582 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

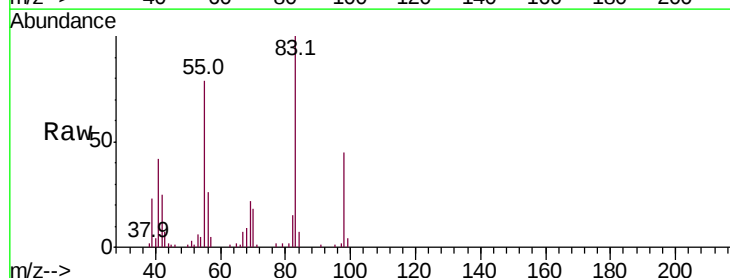
Tgt Ion: 83 Resp: 41205

Ion Ratio Lower Upper

83 100

55 78.3 64.0 96.0

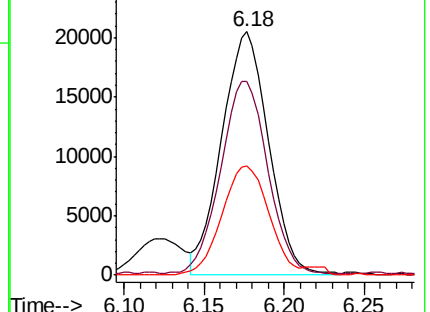
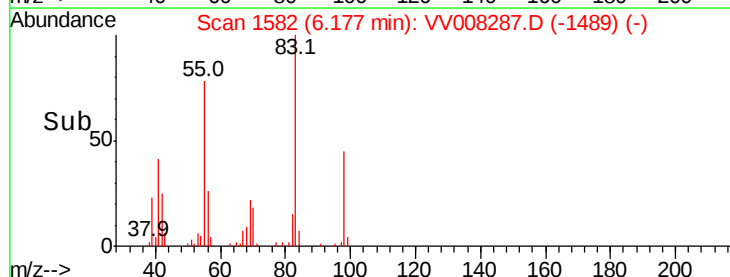
98 44.8 37.0 55.4

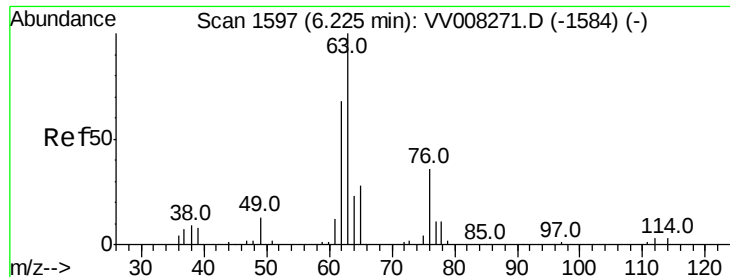


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.065 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

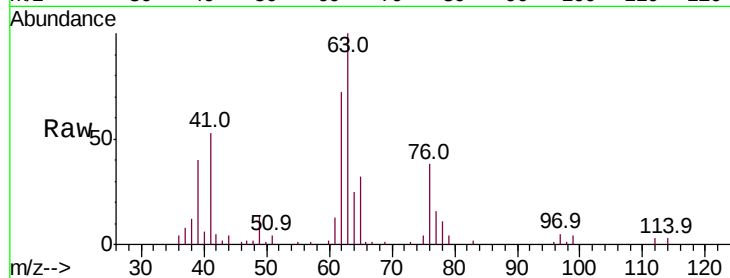
BFB87

Tot Ion: 63 Resp: 26298

Ion Ratio Lower Upper

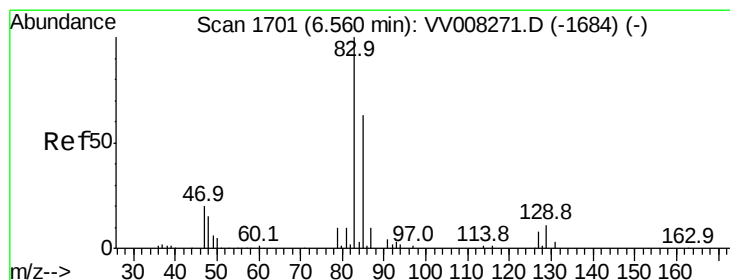
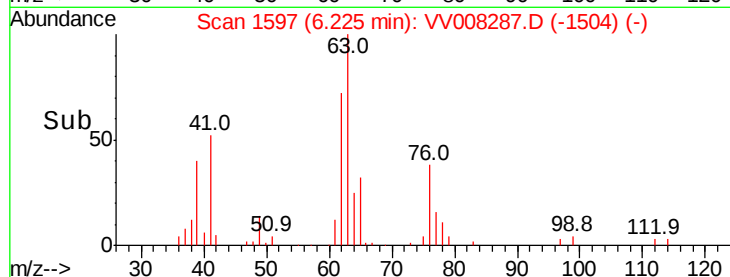
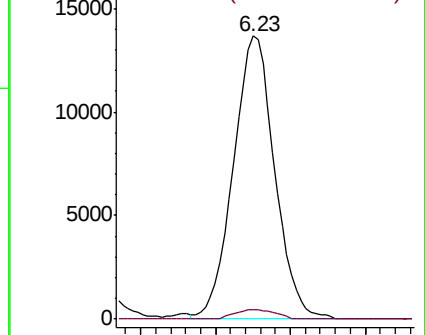
63 100

112 3.3 2.6 3.8



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.356 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

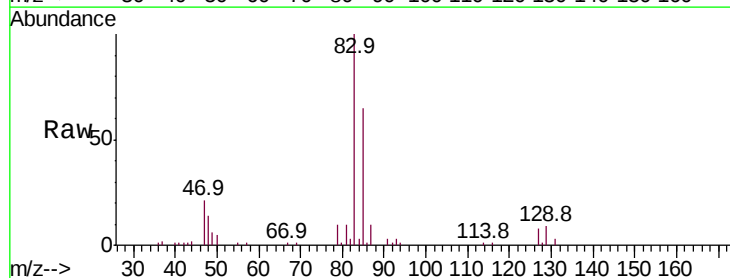
Tgt Ion: 83 Resp: 31239

Ion Ratio Lower Upper

83 100

85 65.2 44.3 82.3

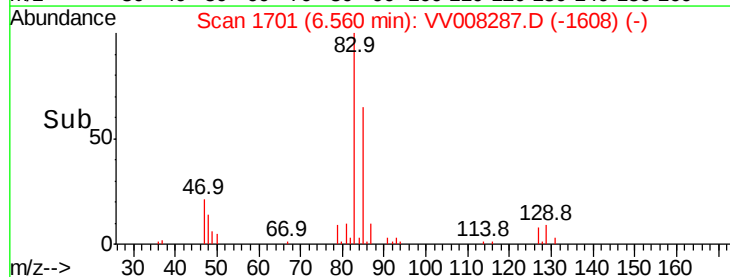
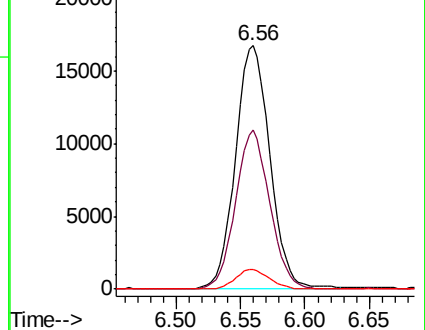
127 8.0 6.6 10.0

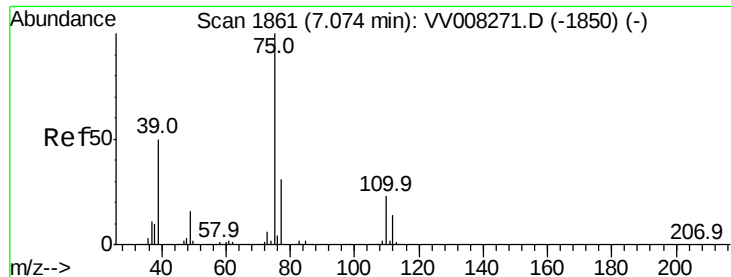


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



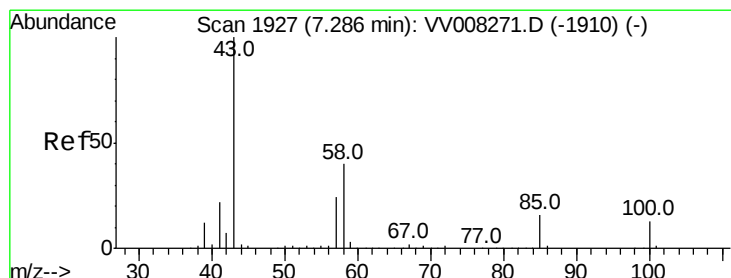
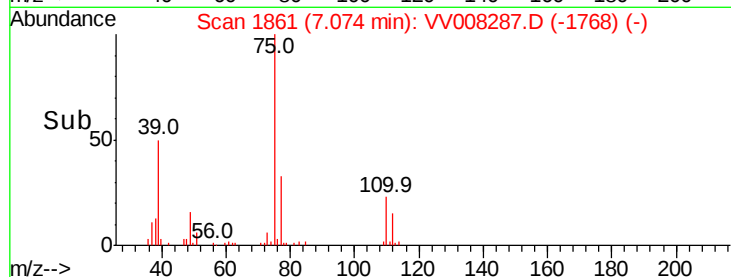
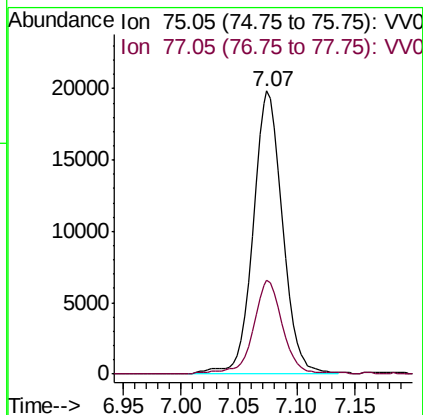
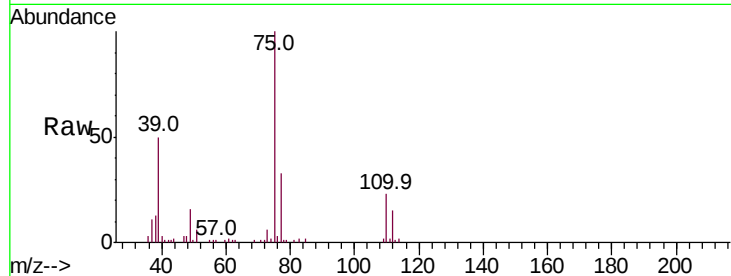


#39

cis-1,3-Dichloropropene
Concen: 4.765 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Instrument :
MSVOA_V
ClientSampled :
BFB87

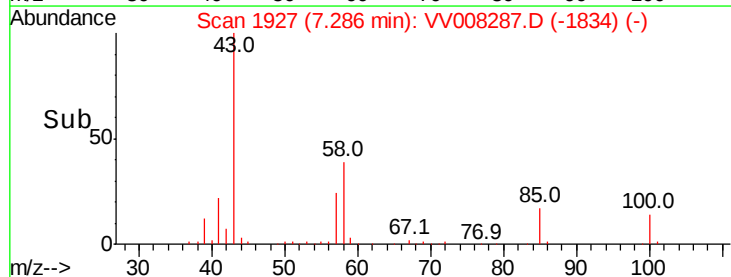
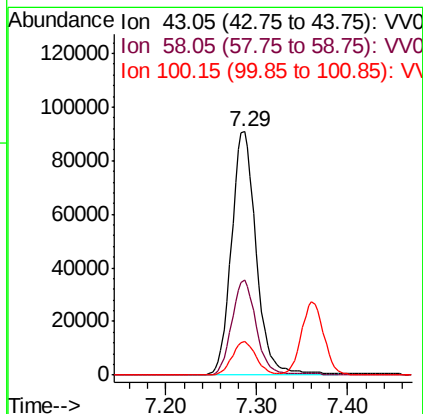
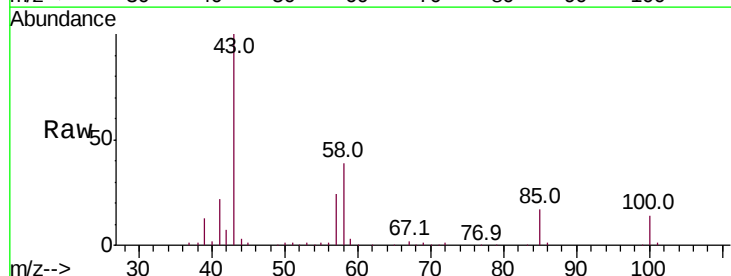
Tot Ion: 75 Resp: 35300
Ion Ratio Lower Upper
75 100
77 33.2 22.3 41.3

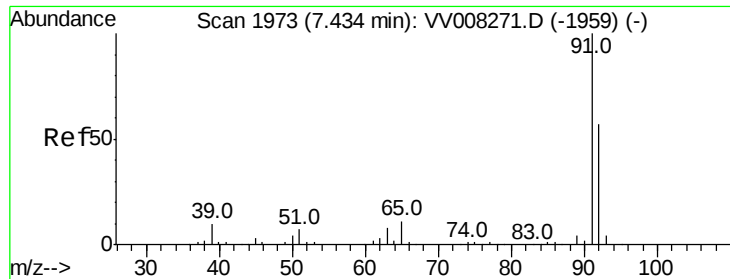


#40

4-Methyl-2-pentanone
Concen: 53.803 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Tgt Ion: 43 Resp: 171073
Ion Ratio Lower Upper
43 100
58 38.5 31.3 46.9
100 13.4 10.5 15.7





#42

Toluene

Concen: 4.927 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

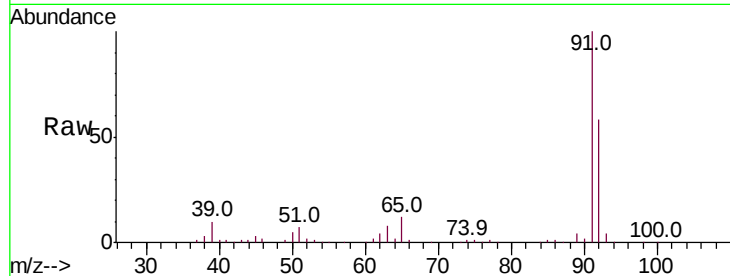
BFB87

Tot Ion: 91 Resp: 98830

Ion Ratio Lower Upper

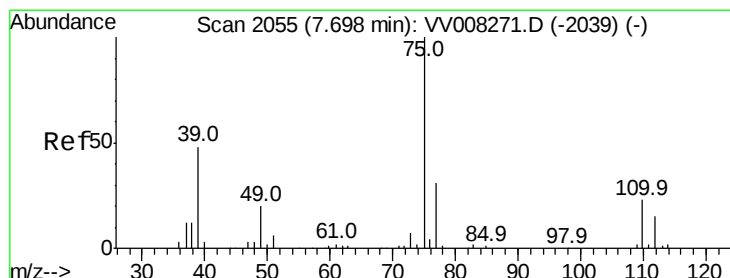
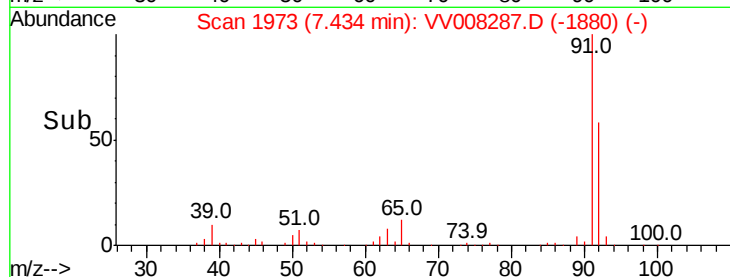
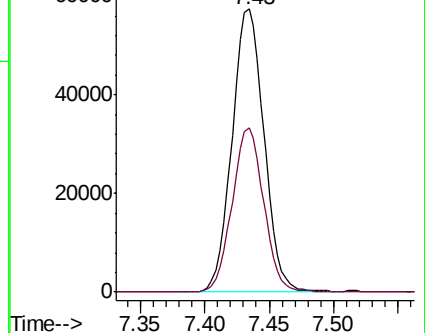
91 100

92 58.0 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.677 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008287.D

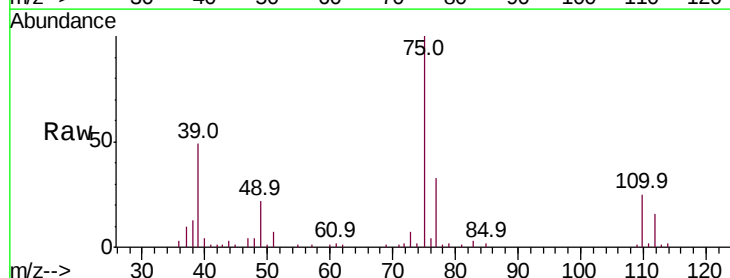
Acq: 16 Oct 2018 09:40

Tgt Ion: 75 Resp: 27727

Ion Ratio Lower Upper

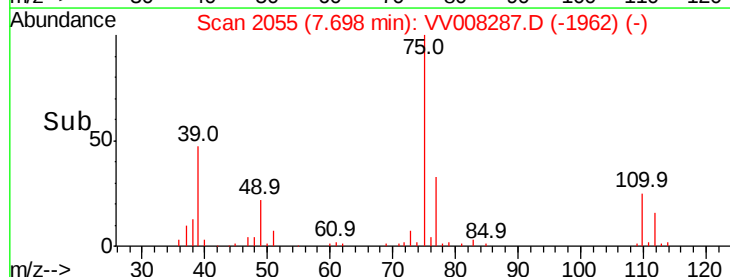
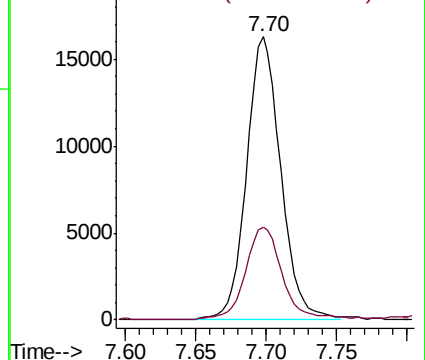
75 100

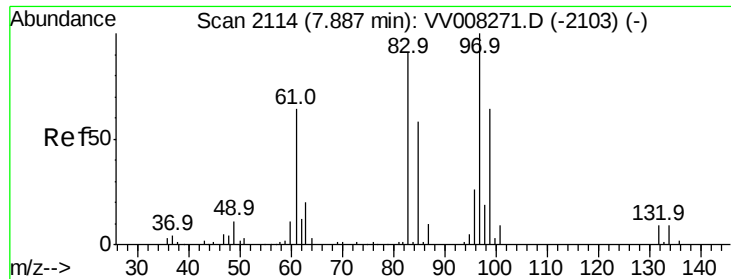
77 32.8 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

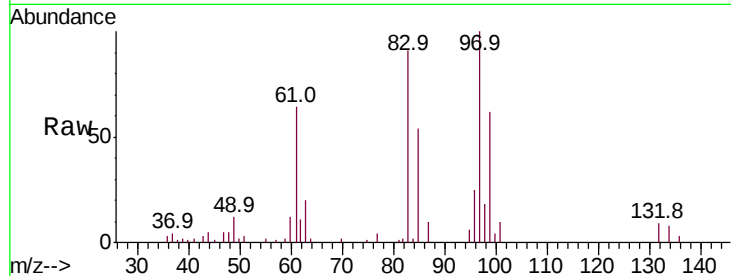




#45
 1,1,2-Trichloroethane
 Concen: 5.355 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB87

Tot Ion:	97	Resp:	17259
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.1	81.9
83	91.4	63.7	118.3
85	53.8	40.7	75.7



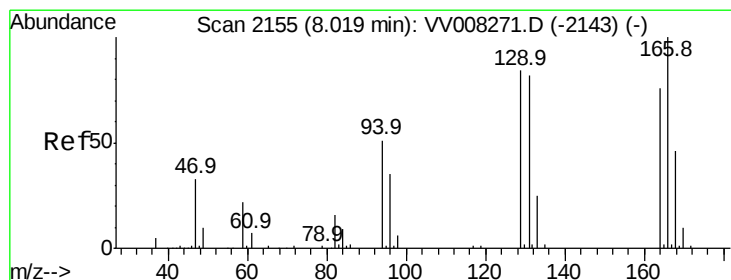
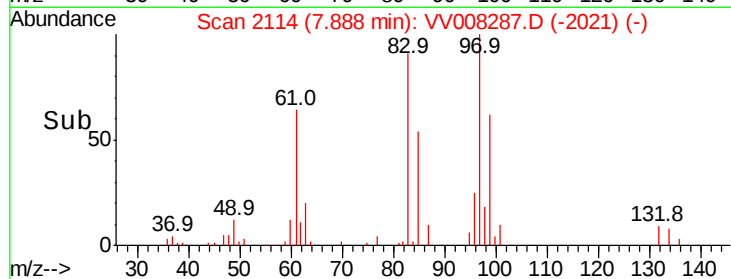
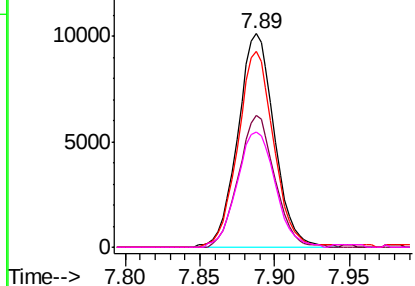
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

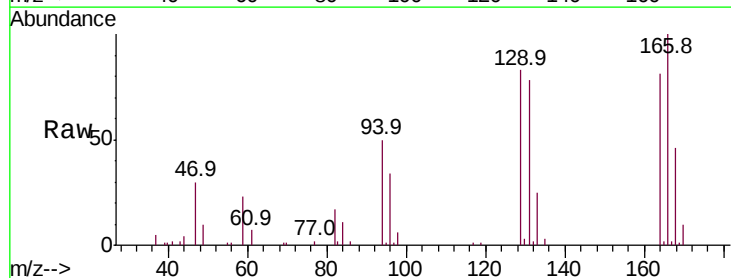
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.032 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Tgt Ion:	164	Resp:	16810
Ion	Ratio	Lower	Upper
164	100		
129	101.7	76.5	142.1
131	95.4	74.7	138.7
166	122.8	91.6	170.0



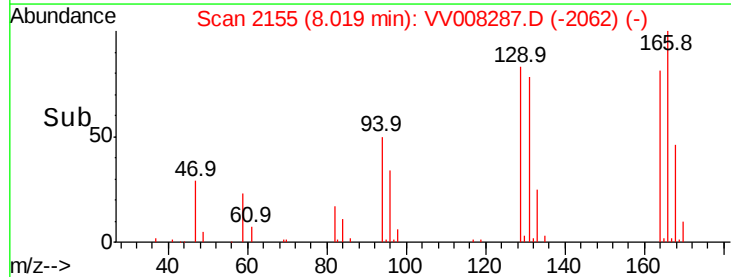
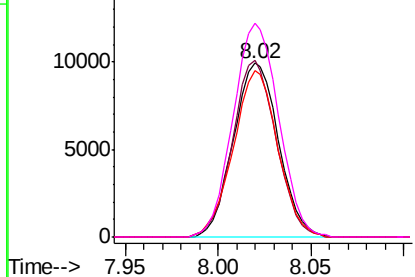
Abundance

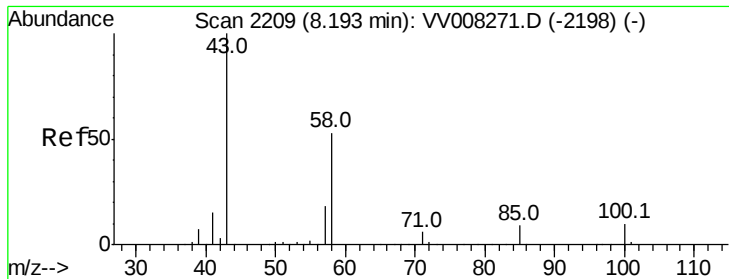
Ion 163.90 (163.60 to 164.60): V

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

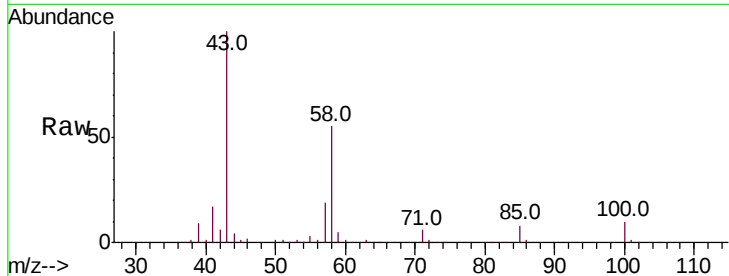




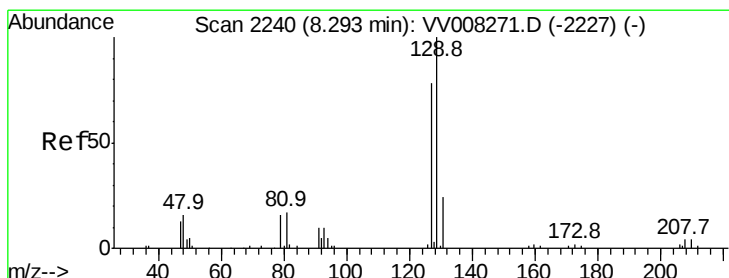
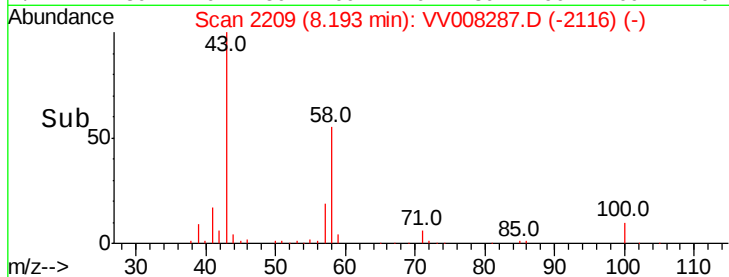
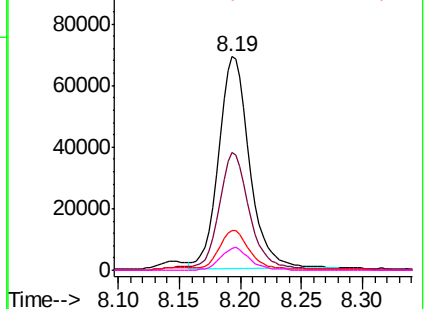
#48
2-Hexanone
Concen: 52.758 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Instrument :
MSVOA_V
ClientSampleId :
BFB87

Tot Ion:	43	Resp:	122609
Ion	Ratio	Lower	Upper
43	100		
58	56.9	45.0	67.4
57	19.0	14.4	21.6
100	10.3	7.9	11.9

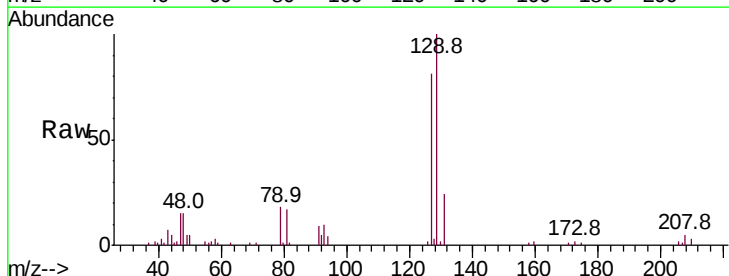


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

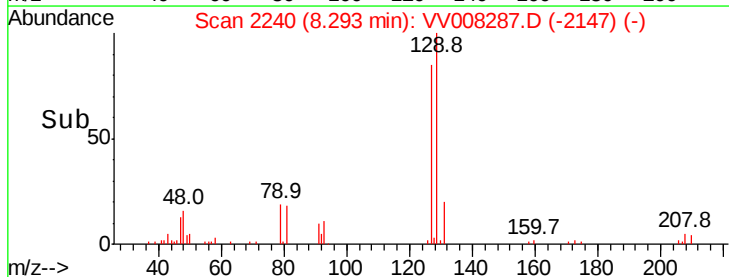
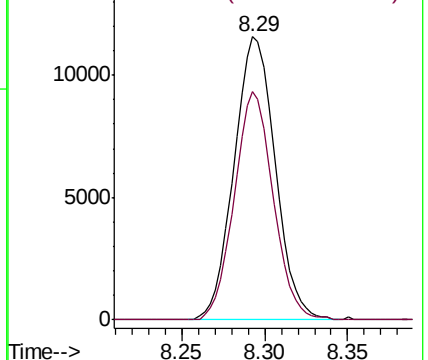


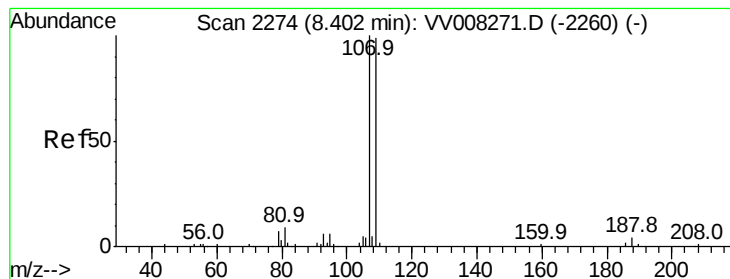
#49
Dibromochloromethane
Concen: 5.443 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008287.D
Acq: 16 Oct 2018 09:40

Tgt Ion:	129	Resp:	19995
Ion	Ratio	Lower	Upper
129	100		
127	80.7	54.7	101.7



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





#50

1,2-Dibromoethane

Concen: 5.364 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

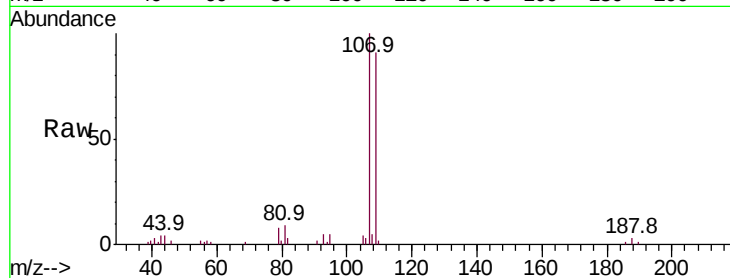
Tot Ion:107 Resp: 16205

Ion Ratio Lower Upper

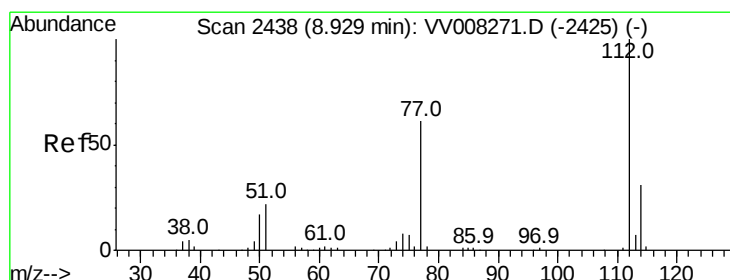
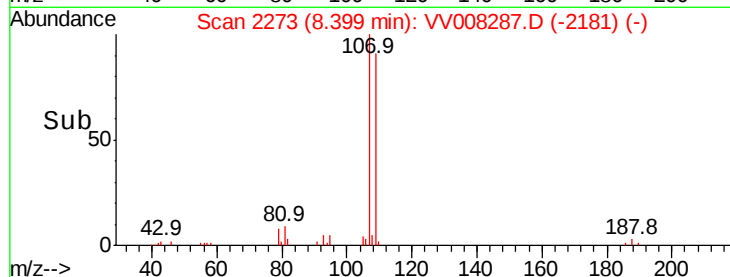
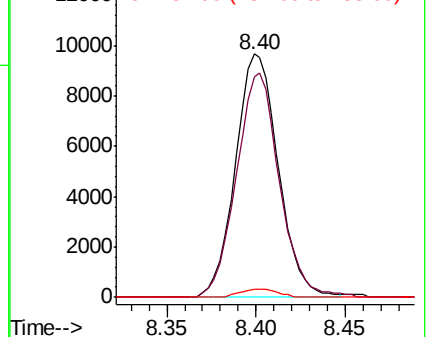
107 100

109 90.8 69.6 129.2

188 3.1 2.9 4.3



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: 5.149 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

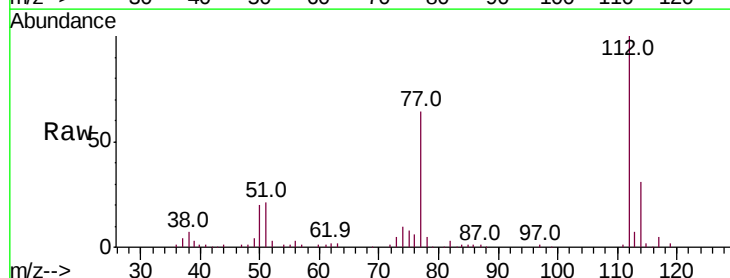
Tgt Ion:112 Resp: 61357

Ion Ratio Lower Upper

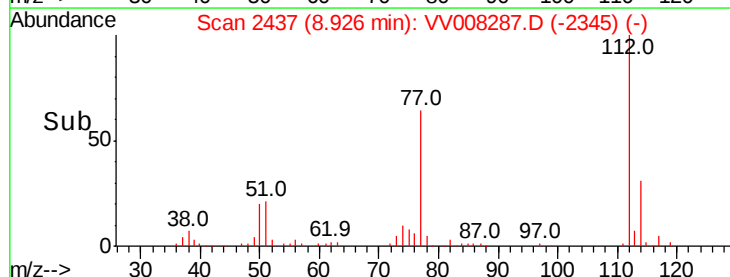
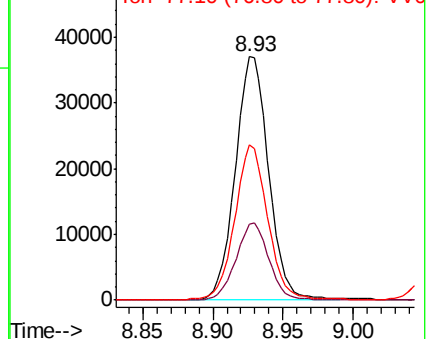
112 100

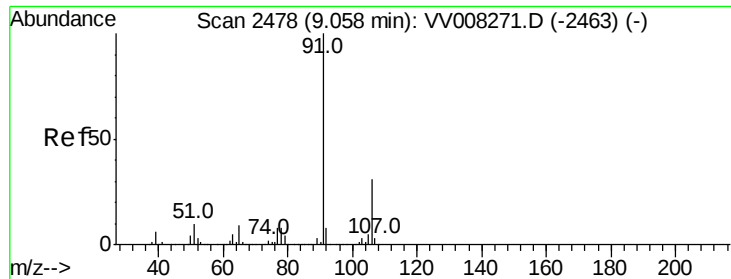
114 31.1 21.6 40.0

77 63.9 49.7 74.5



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: 4.930 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

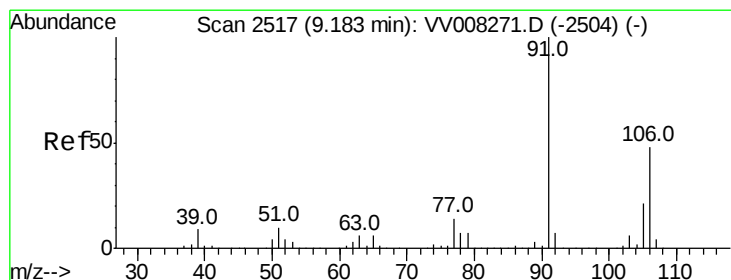
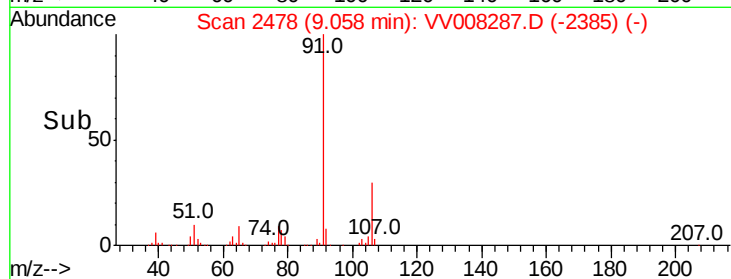
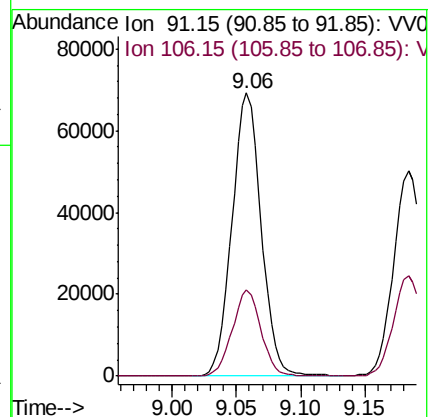
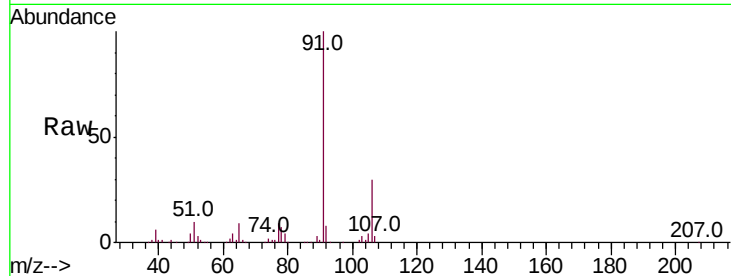
BFB87

Tot Ion: 91 Resp: 108733

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.2



#53

m,p-xylene

Concen: 4.998 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008287.D

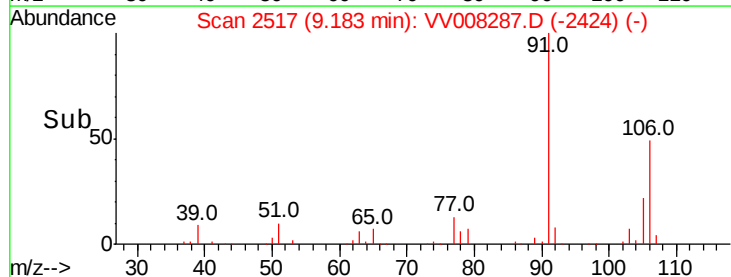
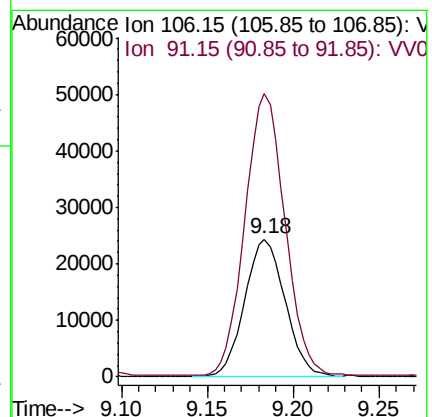
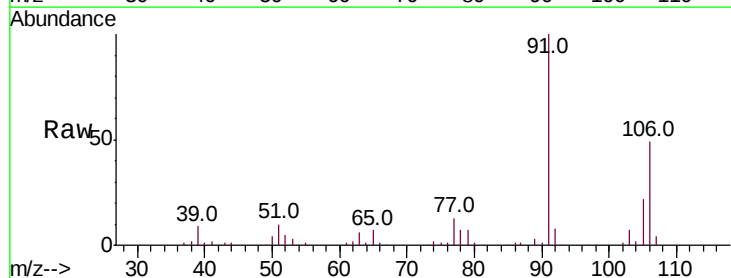
Acq: 16 Oct 2018 09:40

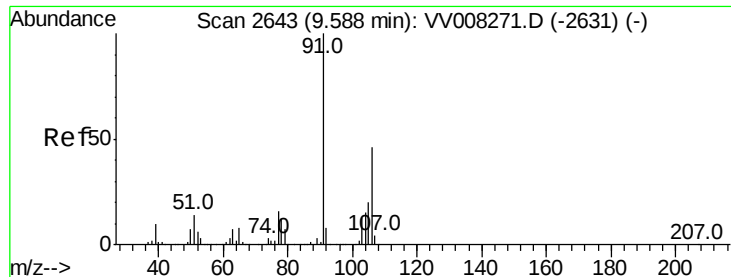
Tgt Ion: 106 Resp: 39873

Ion Ratio Lower Upper

106 100

91 205.3 145.2 269.6





#54

o-xylene

Concen: 5.001 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

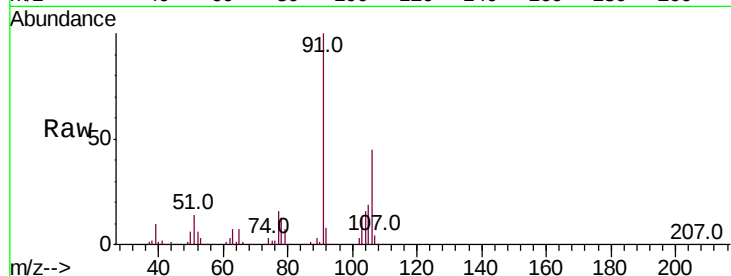
BFB87

Tot Ion:106 Resp: 39742

Ion Ratio Lower Upper

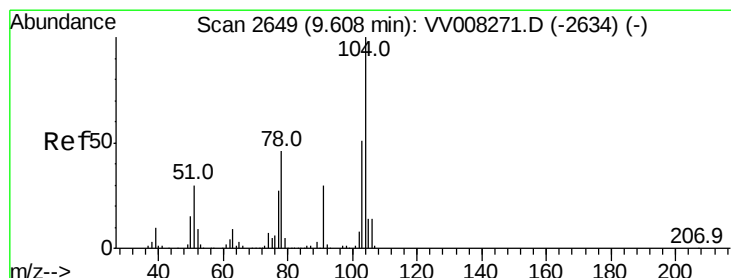
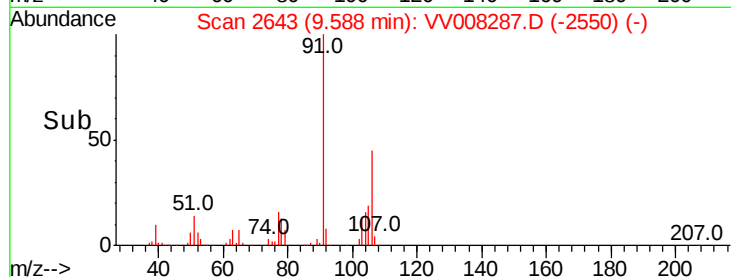
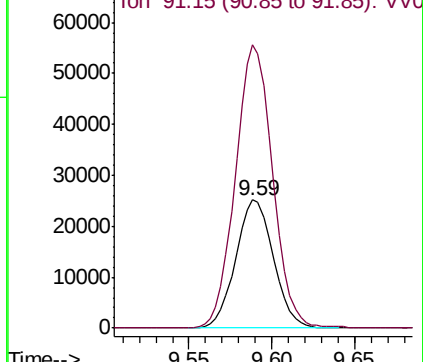
106 100

91 220.9 153.2 284.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.109 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008287.D

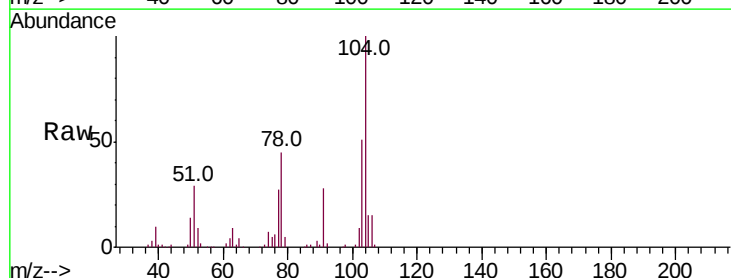
Acq: 16 Oct 2018 09:40

Tgt Ion:104 Resp: 65329

Ion Ratio Lower Upper

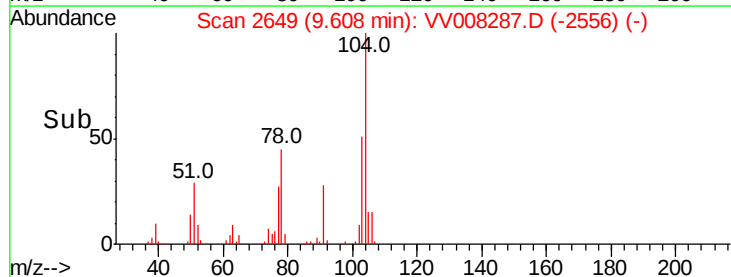
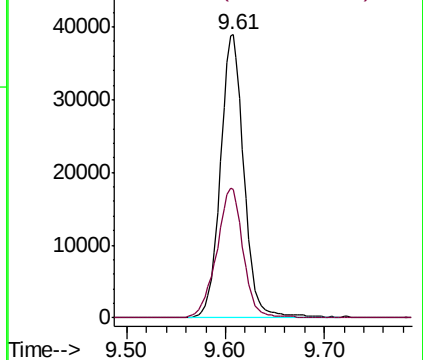
104 100

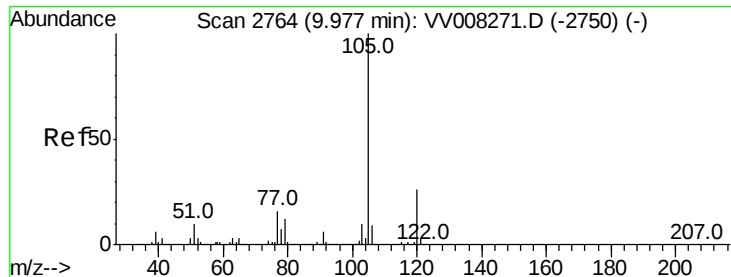
78 45.5 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.921 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampleId :

BFB87

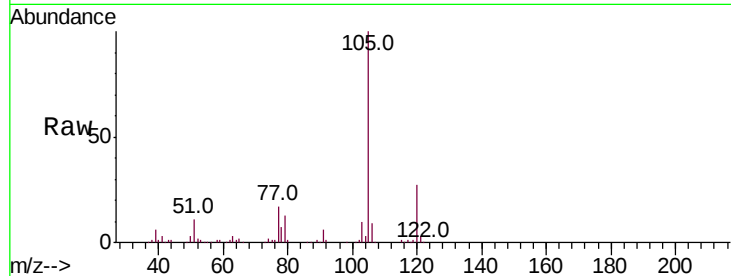
Tot Ion:105 Resp: 103058

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

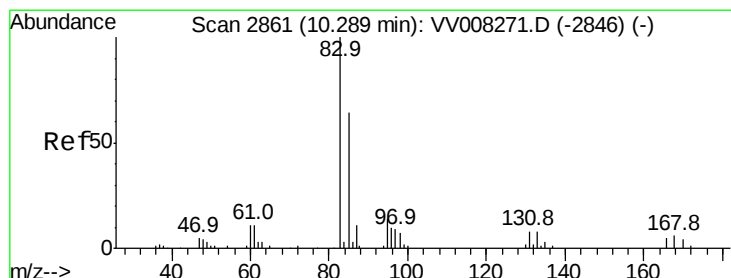
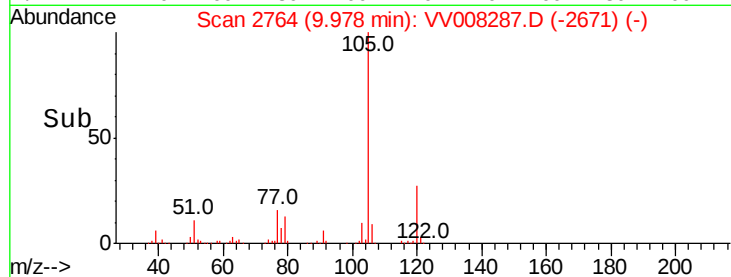
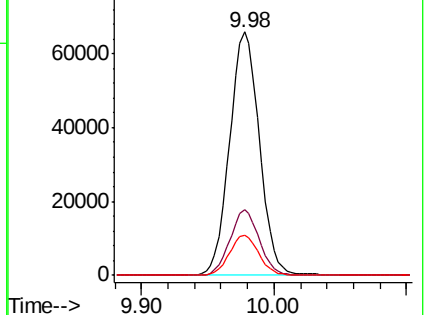
77 16.4 13.0 19.6



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: 5.158 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

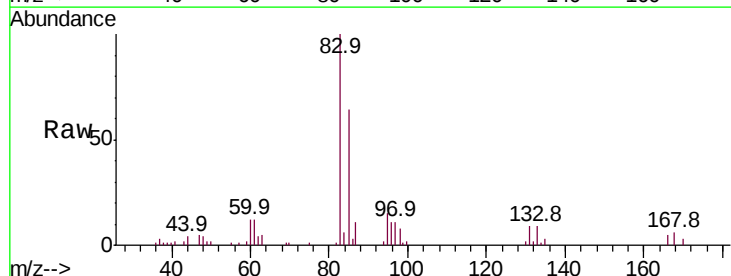
Tgt Ion: 83 Resp: 18915

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.6

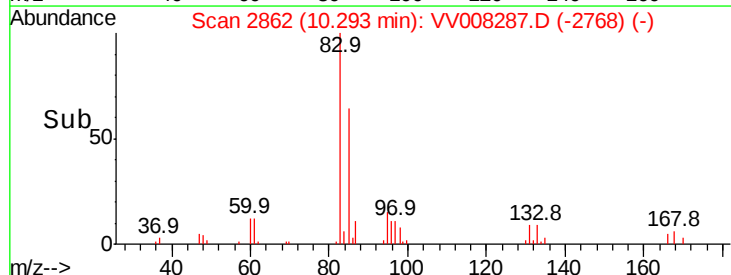
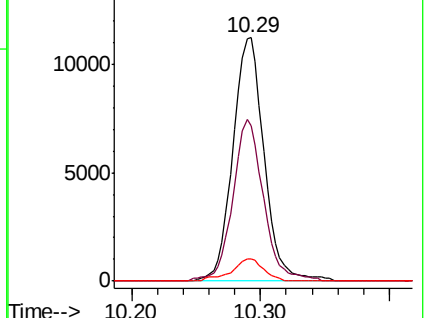
131 9.2 6.6 10.0

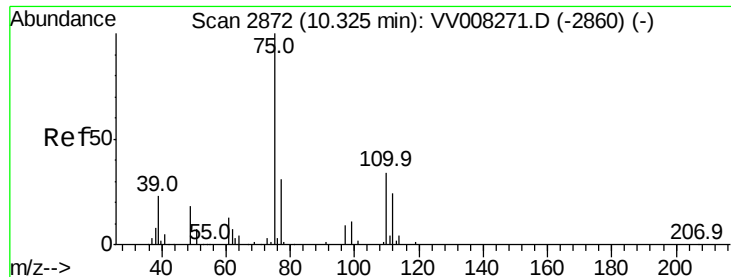


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.233 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampled :

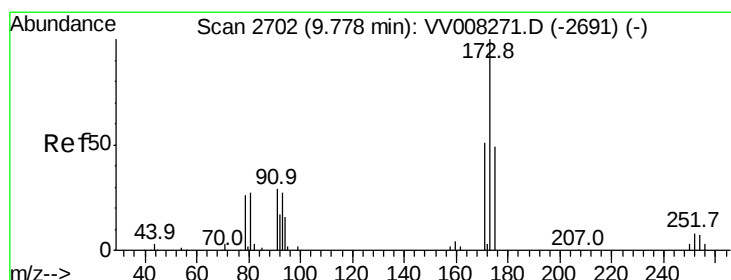
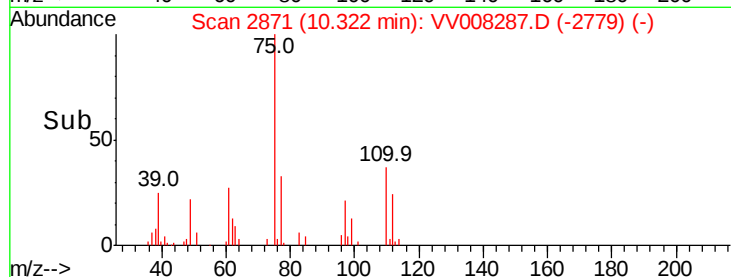
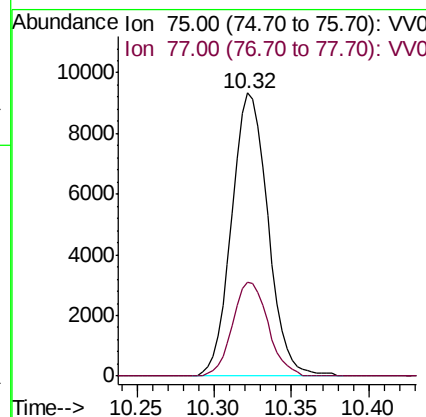
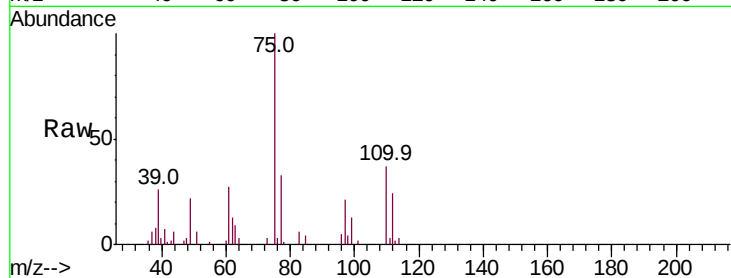
BFB87

Tot Ion: 75 Resp: 15202

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.6



#61

Bromoform

Concen: 5.693 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

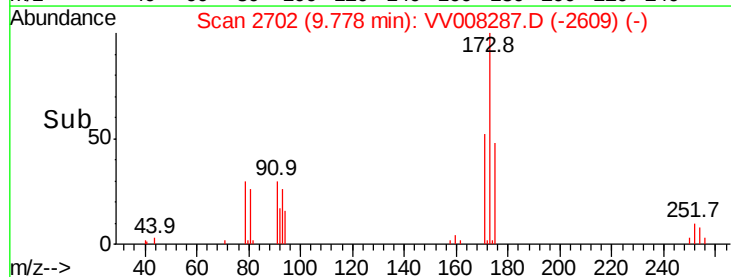
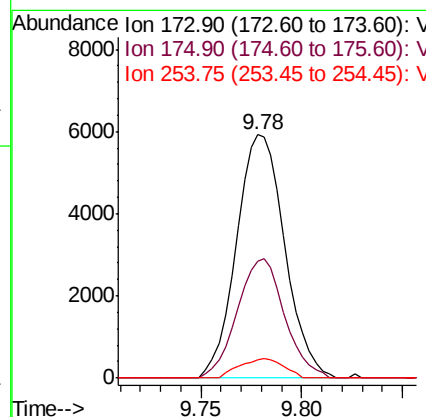
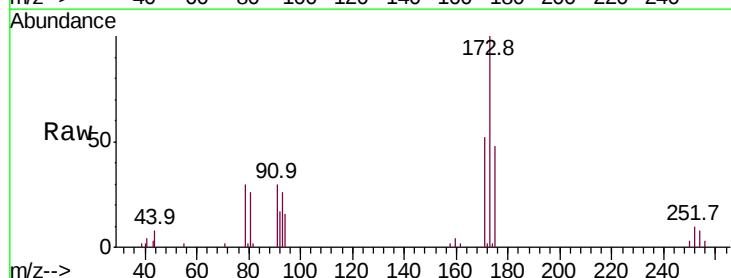
Tgt Ion:173 Resp: 9908

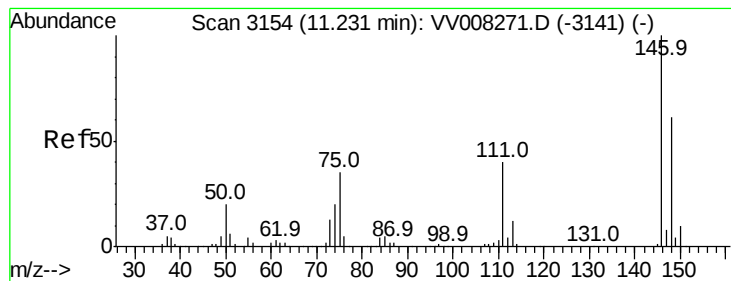
Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 7.3 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 5.191 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

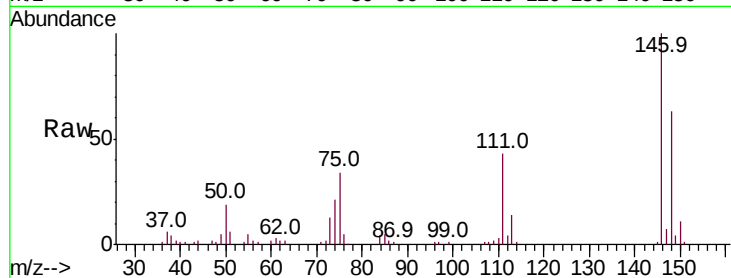
MSVOA_V

ClientSampleId :

BFB87

Tot Ion:146 Resp: 41828

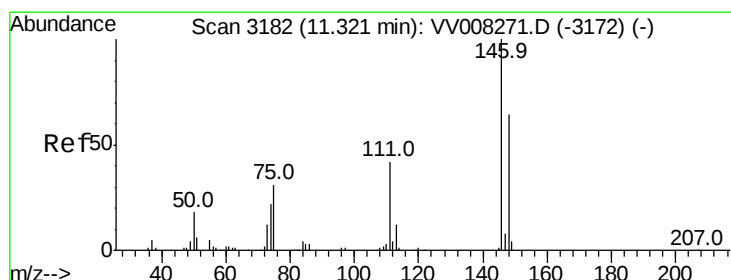
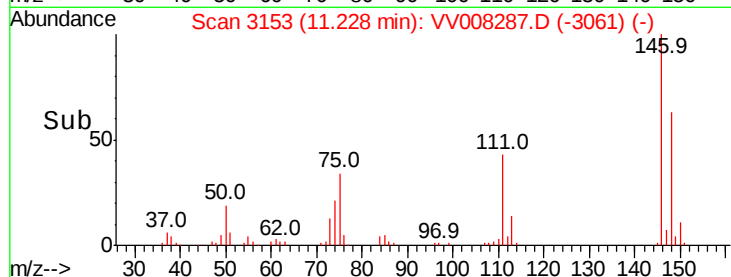
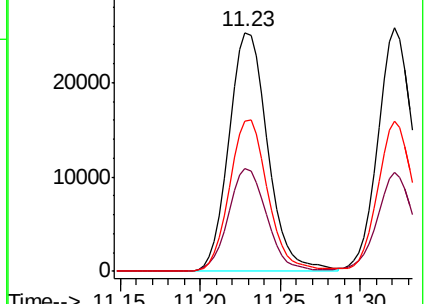
Ion	Ratio	Lower	Upper
146	100		
111	43.3	28.0	52.0
148	63.1	42.9	79.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.197 ug/L

RT: 11.32 min Scan# 3182

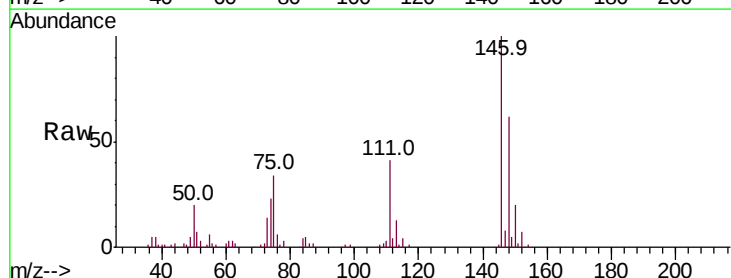
Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Tgt Ion:146 Resp: 41463

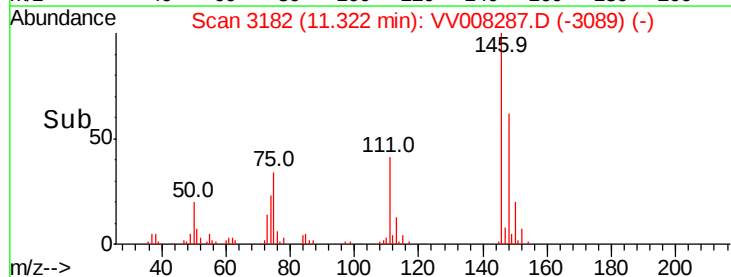
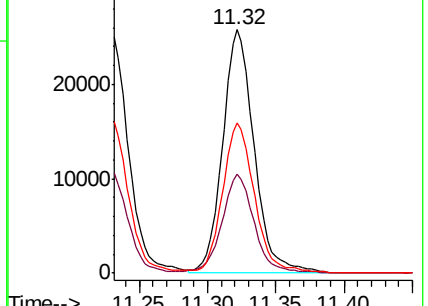
Ion	Ratio	Lower	Upper
146	100		
111	40.6	30.0	55.6
148	61.9	44.5	82.7

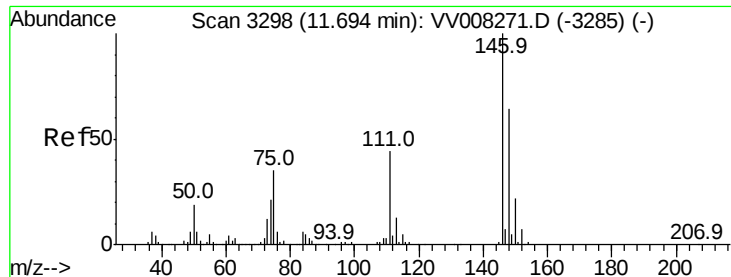


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

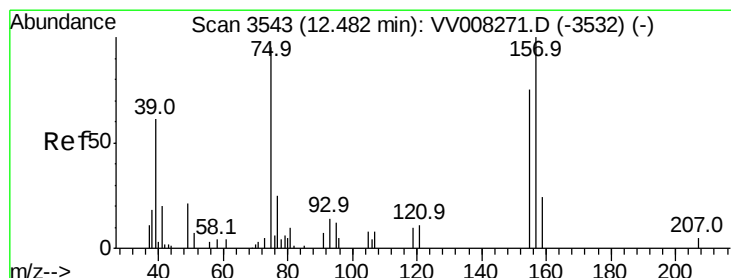
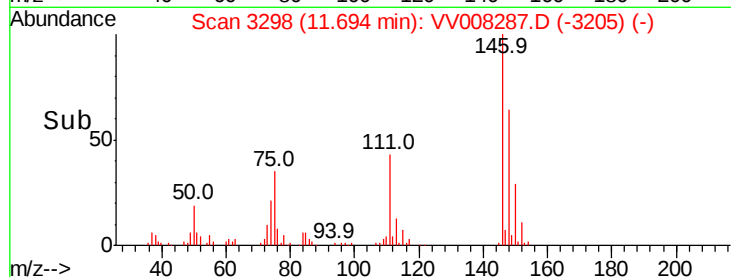
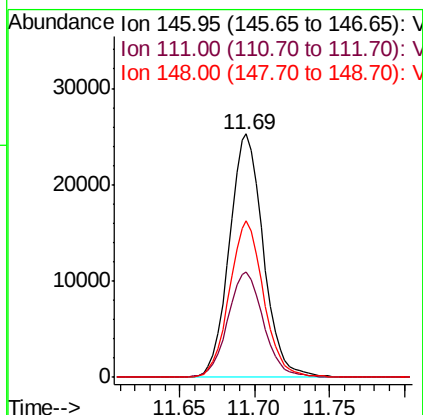
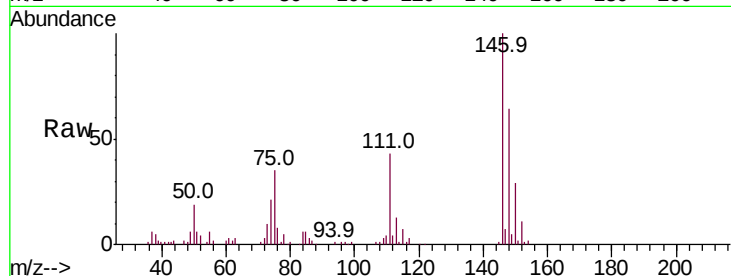




#65
 1,2-Dichlorobenzene
 Concen: 5.164 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

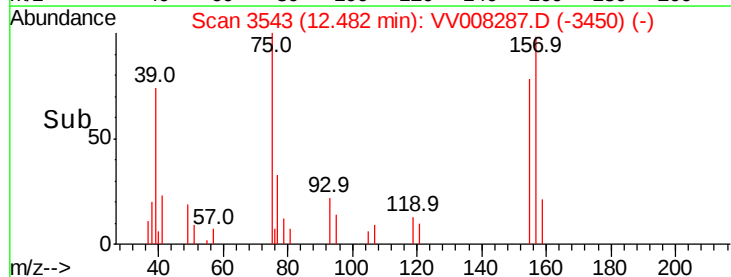
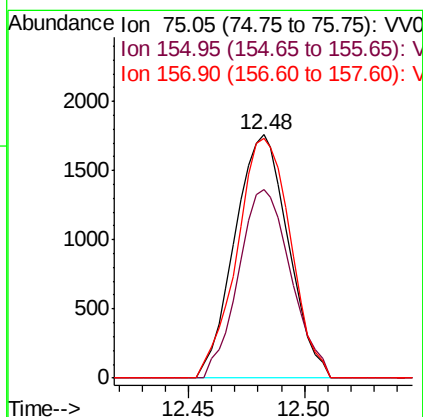
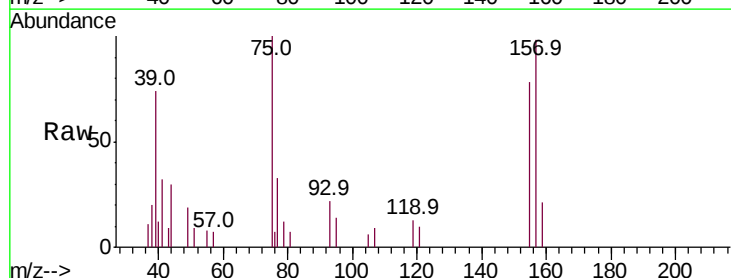
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB87

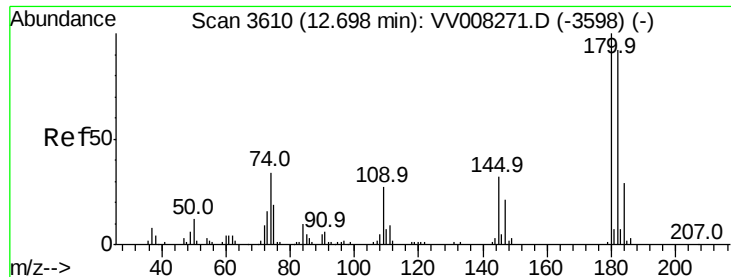
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	35.5	53.3
148	64.2	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.842 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	63.6	95.4
157	98.2	84.3	126.5

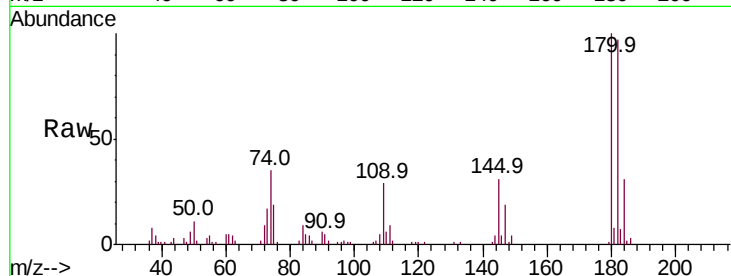




#67
 1,3,5-Trichlorobenzene
 Concen: 5.136 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB87

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.5	111.7
184	29.3	23.5	35.3
145	31.8	25.9	38.9



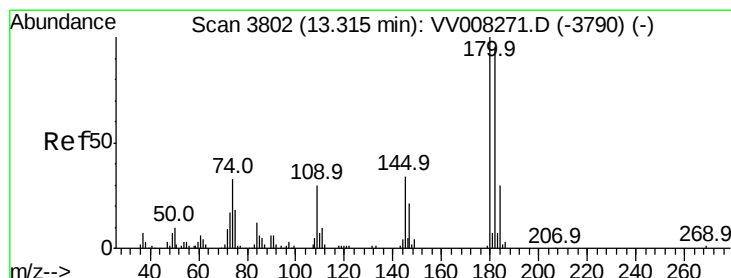
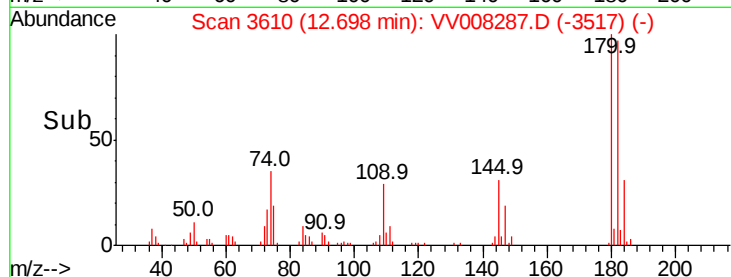
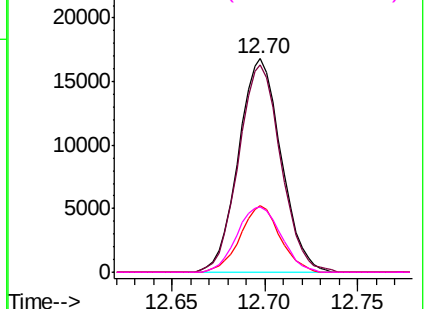
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

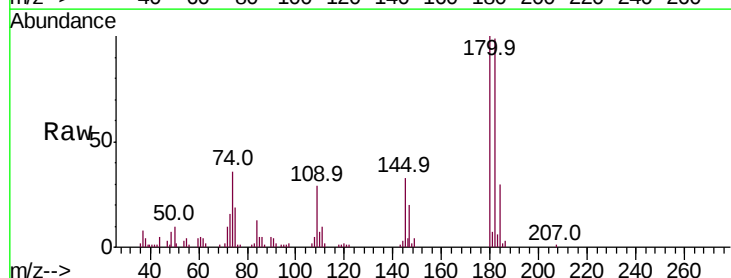
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.187 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008287.D
 Acq: 16 Oct 2018 09:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.3	112.9
145	33.1	26.1	39.1

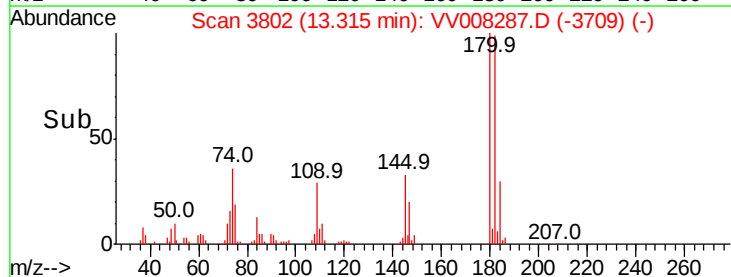
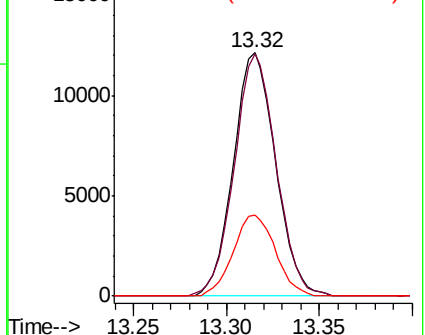


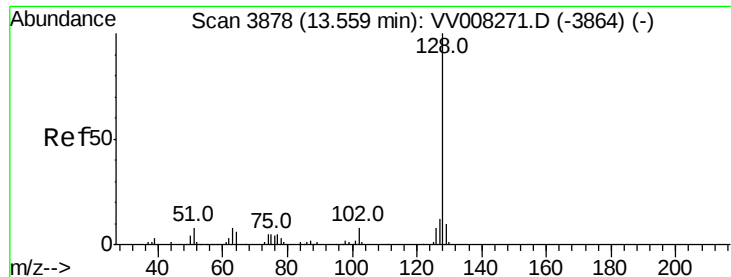
Abundance

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: 5.158 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

Instrument :

MSVOA_V

ClientSampled :

BFB87

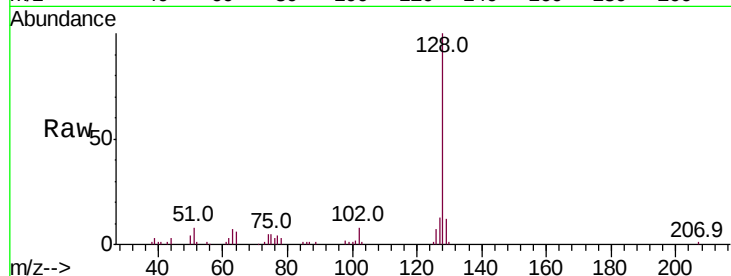
Tot Ion:128 Resp: 35690

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

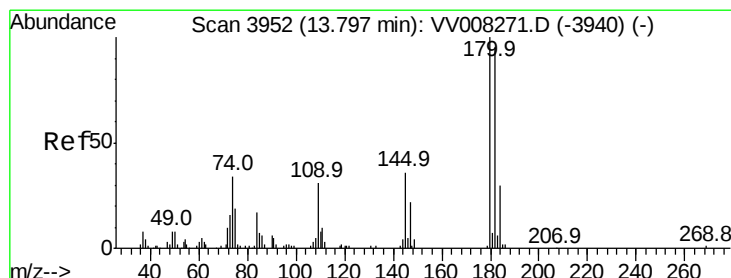
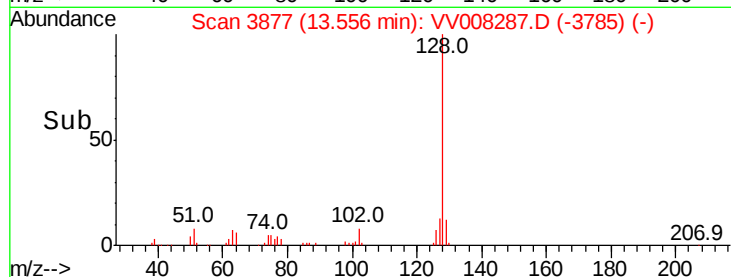
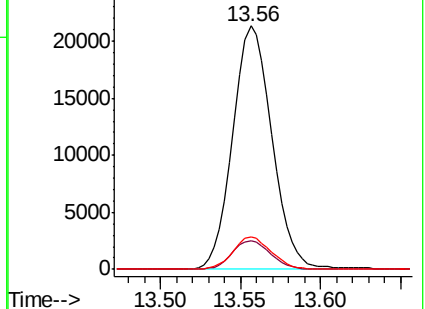
127 12.8 10.1 15.1



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: 5.236 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008287.D

Acq: 16 Oct 2018 09:40

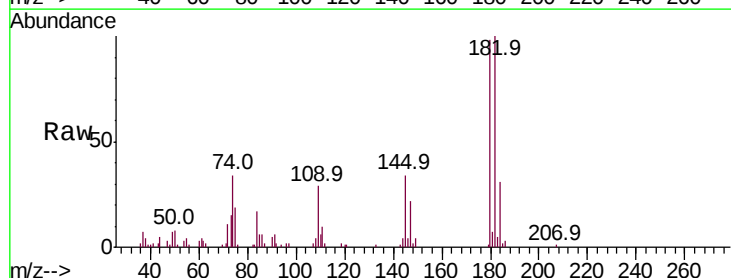
Tgt Ion:180 Resp: 19293

Ion Ratio Lower Upper

180 100

182 97.9 75.8 113.8

145 35.8 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

