

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
 Data File : VW009493.D
 Acq On : 27 Mar 2019 10:16
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

Quant Time: Mar 28 04:55:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 08:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	466379	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	440273	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	229572	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122687	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.04%
7) Chloroethane-d5	2.89	69	141564	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.84%
10) 1,1-Dichloroethene-d2	4.01	63	299094	24.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.32%
20) 2-Butanone-d5	7.08	46	96042	41.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.34%
24) Chloroform-d	7.64	84	306369	24.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.28%
26) 1,2-Dichloroethane-d4	8.30	65	177233	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.48%
29) Benzene-d6	8.27	84	564531	23.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.00%
33) 1,2-Dichloropropane-d6	9.27	67	170264	23.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.40%
37) Toluene-d8	10.32	98	526645	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.84%
38) trans-1,3-Dichloropropene-	10.57	79	80286	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	74811	42.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169085	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	200231	22.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	138350	22.519	ug/L	97
3) Chloromethane	2.21	50	154570	23.713	ug/L	99
5) Vinyl chloride	2.37	62	202540	30.188	ug/L	99
6) Bromomethane	2.78	94	157585	28.035	ug/L	99
8) Chloroethane	2.93	64	153230	27.605	ug/L	91
9) Trichlorofluoromethane	3.26	101	139773	26.374	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	163536	26.720	ug/L	97
12) 1,1-Dichloroethene	4.03	96	157269	27.384	ug/L	88
13) Acetone	4.13	43	98090	51.896	ug/L	98
14) Carbon disulfide	4.37	76	451847	29.234	ug/L	100
15) Methyl Acetate	4.67	43	80618	21.711	ug/L	96
16) Methylene chloride	4.92	84	163064	23.976	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	204747	25.196	ug/L	97
18) trans-1,2-Dichloroethene	5.41	96	159235	26.372	ug/L	95
19) 1,1-Dichloroethane	6.21	63	304002	27.613	ug/L	99
21) 2-Butanone	7.17	43	114315	43.802	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	171917	26.283	ug/L	96

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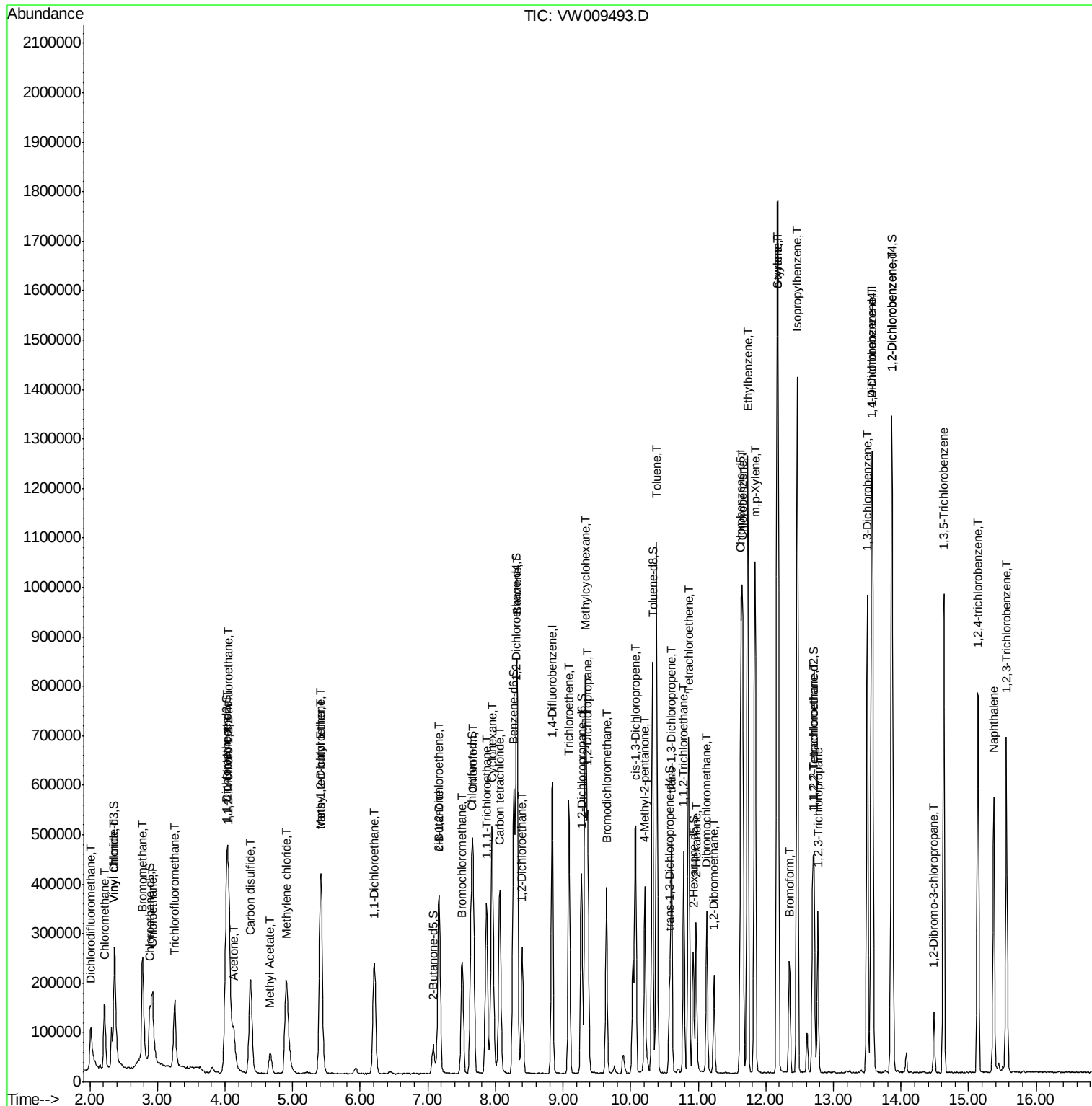
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	76852	24.497	ug/L	94
25) Chloroform	7.67	83	315425	27.358	ug/L	99
27) 1,2-Dichloroethane	8.40	62	226324	26.328	ug/L	99
30) Cyclohexane	7.95	56	272105	27.213	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	261548	29.744	ug/L	99
32) Carbon tetrachloride	8.06	117	263139	29.660	ug/L	98
34) Benzene	8.32	78	671429	27.862	ug/L	100
35) Trichloroethene	9.09	95	174772	27.218	ug/L	99
36) Methylcyclohexane	9.33	83	308629	27.781	ug/L	99
40) 1,2-Dichloropropane	9.37	63	166235	26.882	ug/L	100
41) Bromodichloromethane	9.64	83	229571	26.794	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	265504	26.362	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	247638	44.194	ug/L	100
44) Toluene	10.38	91	728856	27.663	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	227469	25.963	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	124036	25.142	ug/L	98
47) Tetrachloroethene	10.86	164	143063	26.368	ug/L	98
49) 2-Hexanone	10.97	43	189222	47.946	ug/L	100
50) Dibromochloromethane	11.13	129	154985	25.449	ug/L	100
51) 1,2-Dibromoethane	11.23	107	122636	24.521	ug/L	98
52) Chlorobenzene	11.66	112	452317	26.766	ug/L	99
53) Ethylbenzene	11.73	91	839111	28.327	ug/L	98
54) m,p-Xylene	11.84	106	314289	27.927	ug/L	95
55) o-xylene	12.16	106	298950	27.229	ug/L	99
56) Styrene	12.18	104	519136	27.713	ug/L	96
57) Isopropylbenzene	12.46	105	845326	28.742	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	164314	24.689	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	120876	24.473	ug/L	100
62) Bromoform	12.35	173	95018	24.496	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	358094	26.172	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	375413	26.539	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	344767	26.422	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29073	22.735	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	283666	26.581	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	231740	25.852	ug/L	99
69) Naphthalene	15.37	128	452004	24.321	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	215094	25.618	ug/L	99

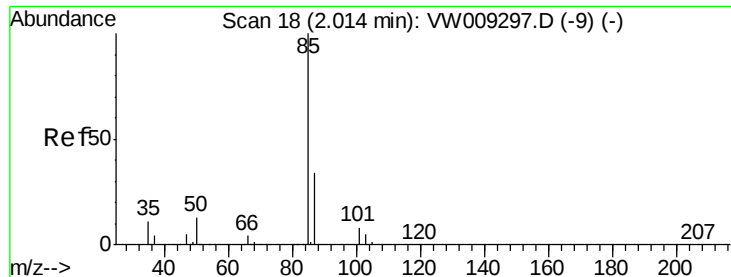
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.519 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

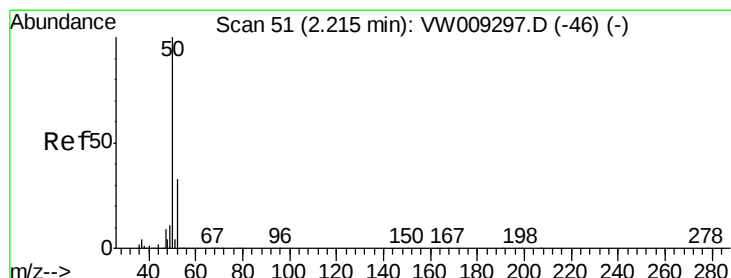
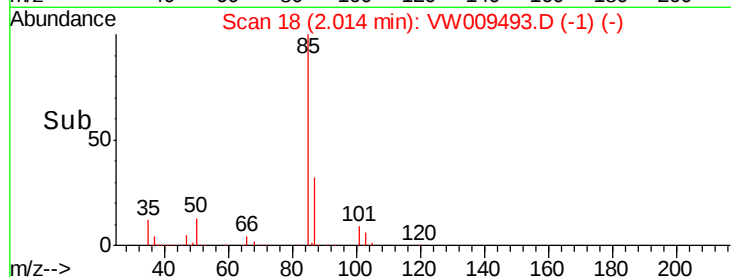
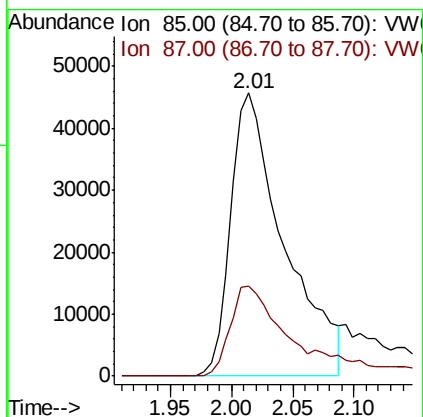
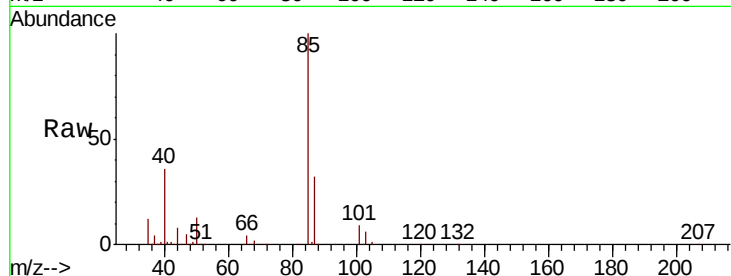
BFB11

Tot Ion: 85 Resp: 138350

Ion Ratio Lower Upper

85 100

87 29.2 19.5 36.3



#3

Chloromethane

Concen: 23.713 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009493.D

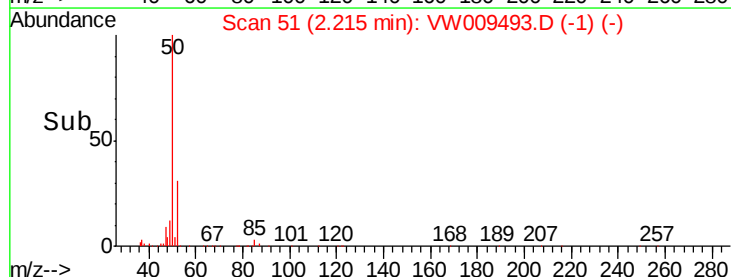
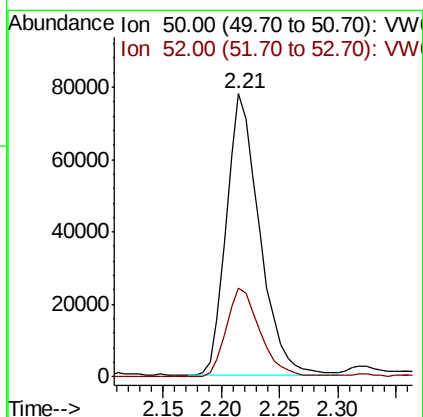
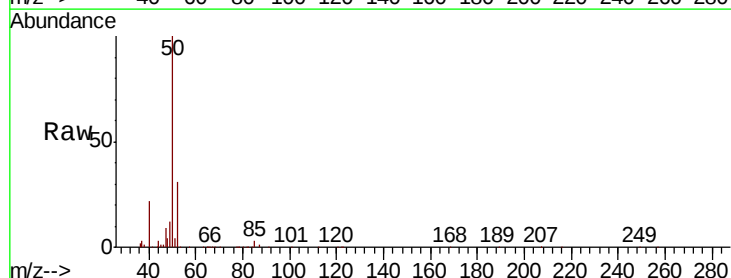
Acq: 27 Mar 2019 10:16

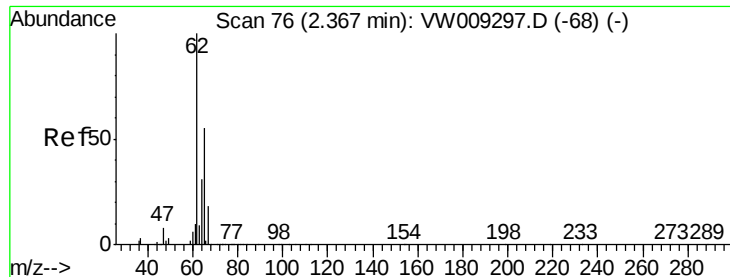
Tgt Ion: 50 Resp: 154570

Ion Ratio Lower Upper

50 100

52 31.4 21.6 40.2





#5

Vinyl chloride

Concen: 30.188 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

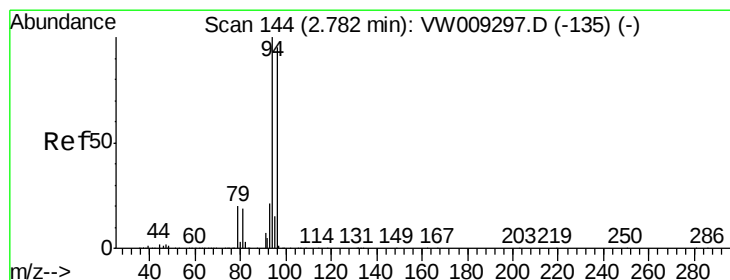
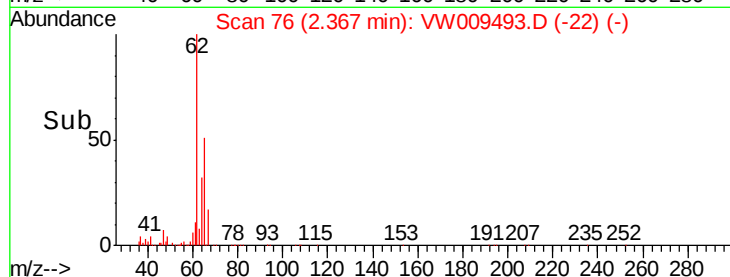
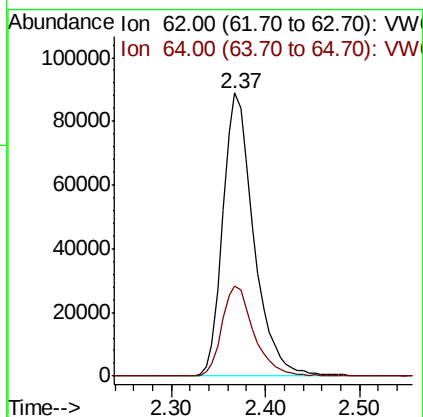
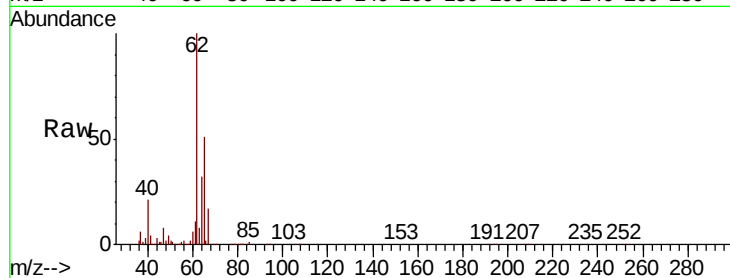
BFB11

Tot Ion: 62 Resp: 202540

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 28.035 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009493.D

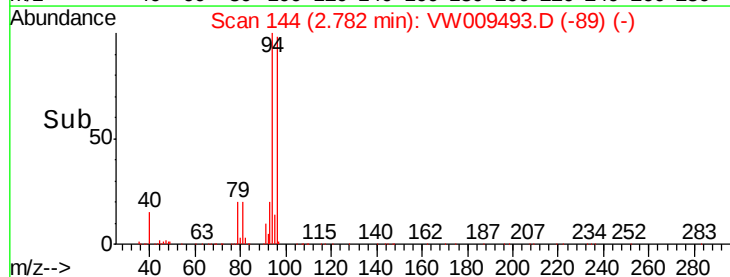
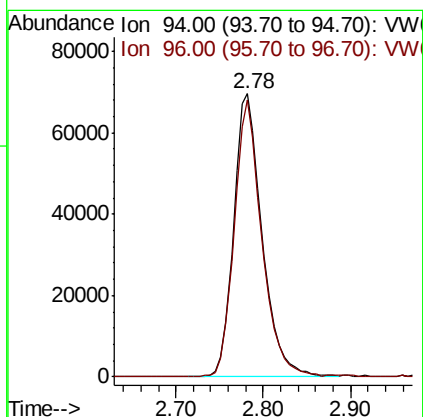
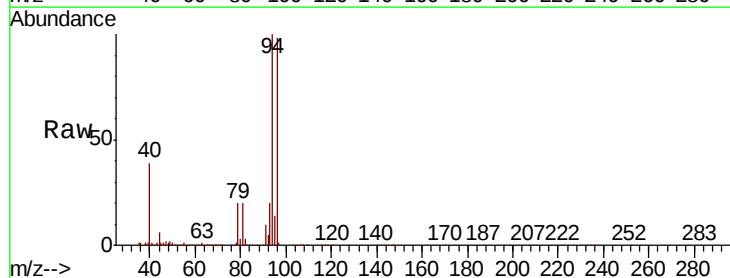
Acq: 27 Mar 2019 10:16

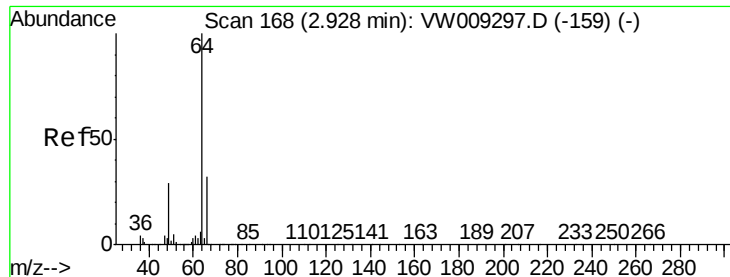
Tgt Ion: 94 Resp: 157585

Ion Ratio Lower Upper

94 100

96 94.4 9.4 178.4





#8

Chloroethane

Concen: 27.605 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

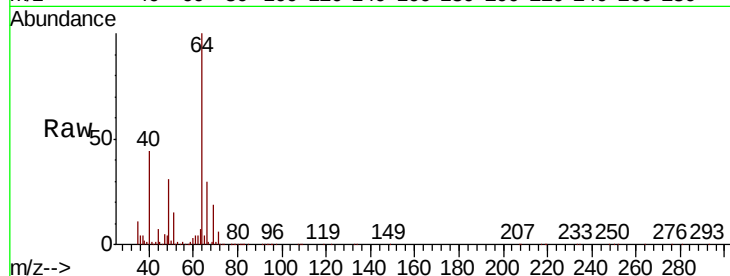
BFB11

Tot Ion: 64 Resp: 153230

Ion Ratio Lower Upper

64 100

66 30.5 25.1 46.7



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.93

60000

50000

40000

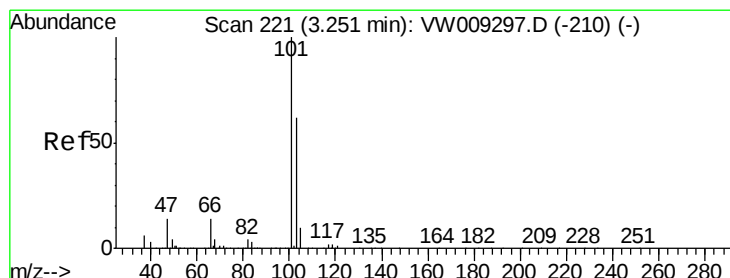
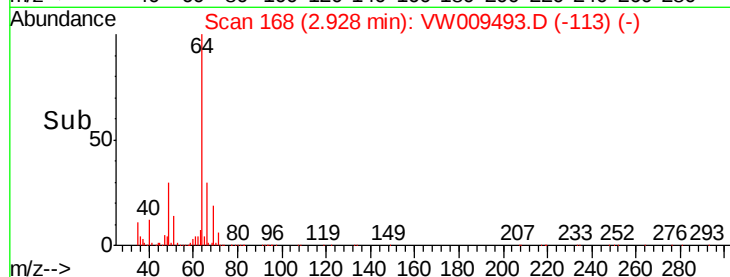
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 26.374 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009493.D

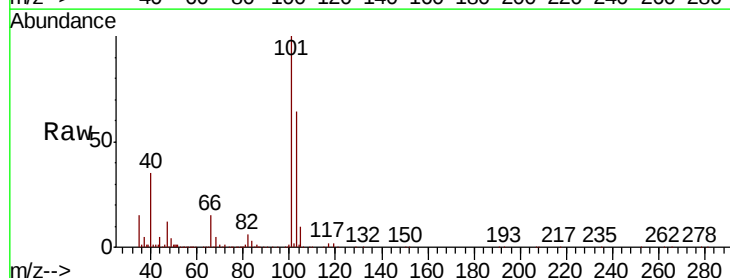
Acq: 27 Mar 2019 10:16

Tgt Ion: 101 Resp: 139773

Ion Ratio Lower Upper

101 100

103 64.9 45.0 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

60000

50000

40000

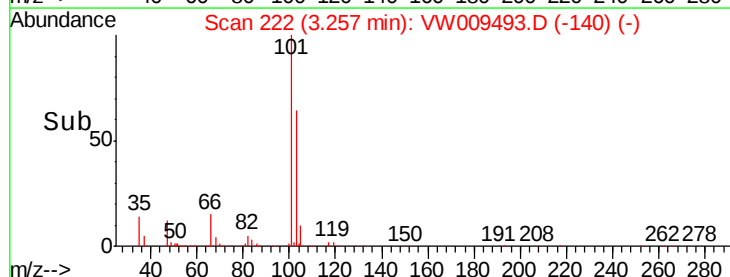
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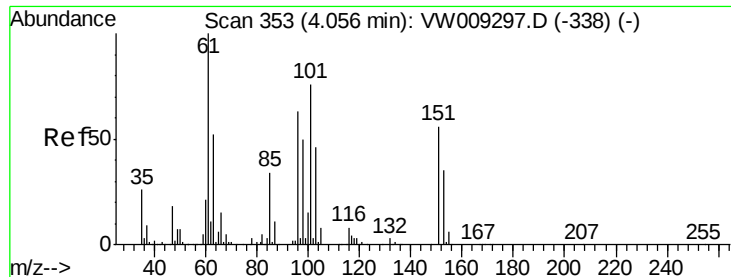
20000

10000

0

Time-->





#11

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

Concen: 26.720 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampled :

BFB11

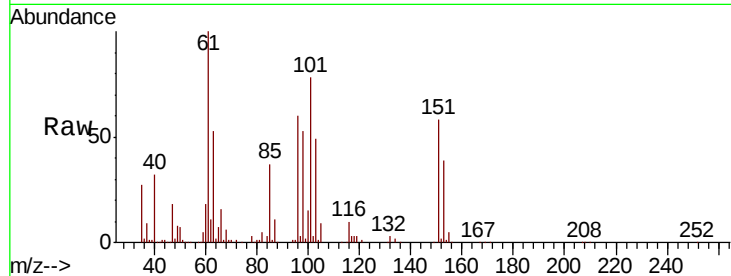
Tot Ion:101 Resp: 163536

Ion Ratio Lower Upper

101 100

85 45.9 32.6 48.8

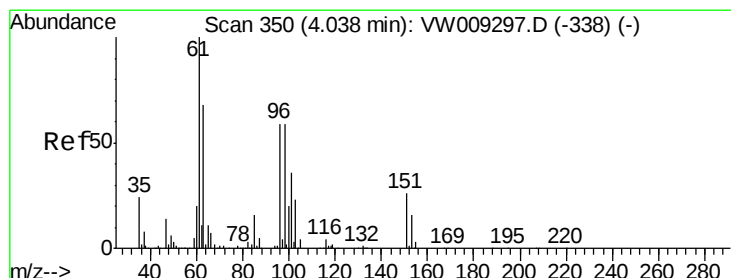
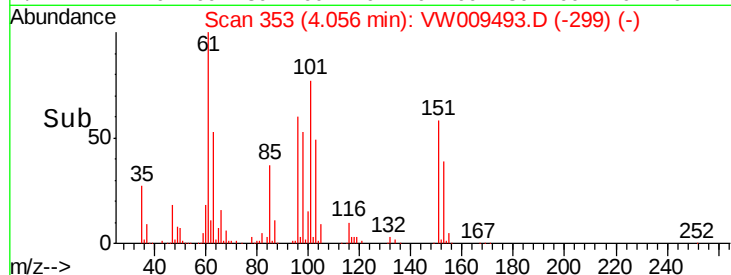
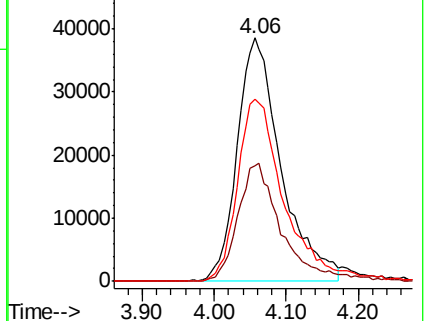
151 78.6 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.384 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

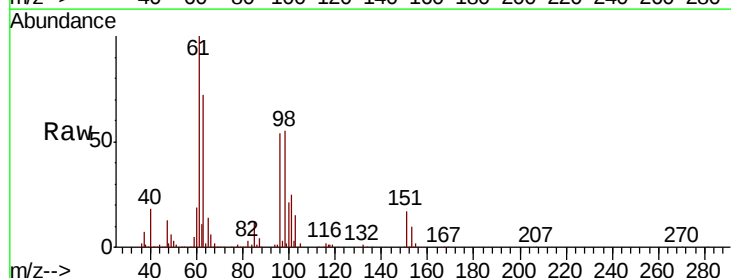
Tgt Ion: 96 Resp: 157269

Ion Ratio Lower Upper

96 100

61 185.9 129.4 240.2

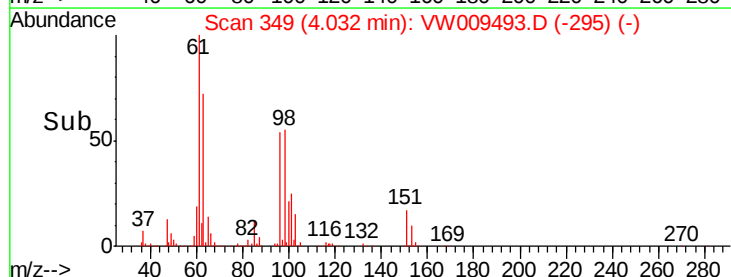
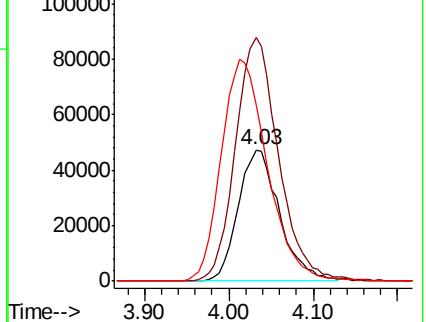
63 134.2 116.8 217.0

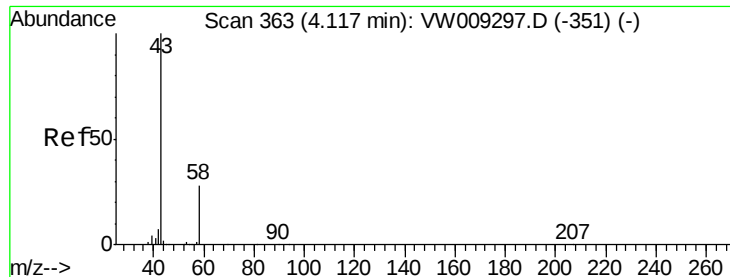


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.896 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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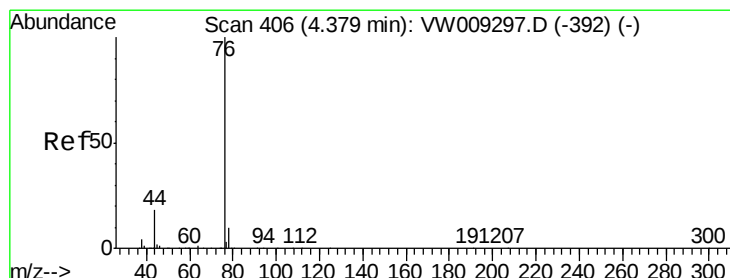
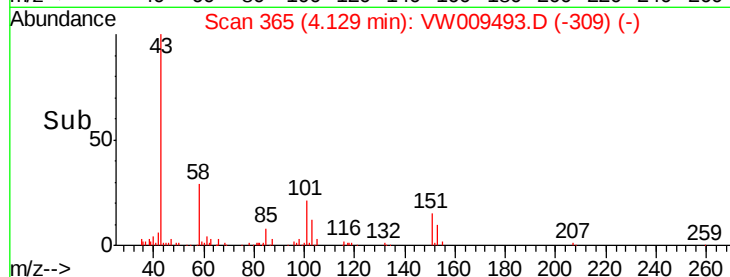
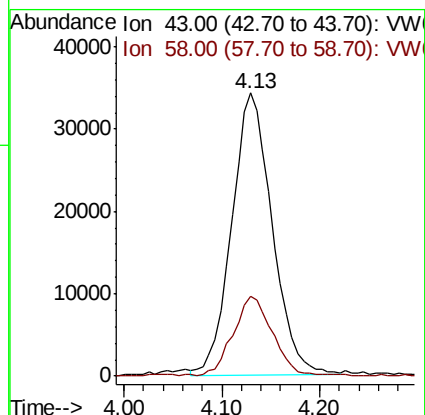
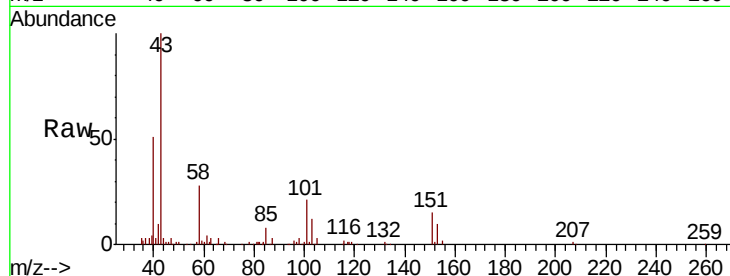
BFB11

Tot Ion: 43 Resp: 98090

Ion Ratio Lower Upper

43 100

58 27.2 0.0 56.2



#14

Carbon disulfide

Concen: 29.234 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW009493.D

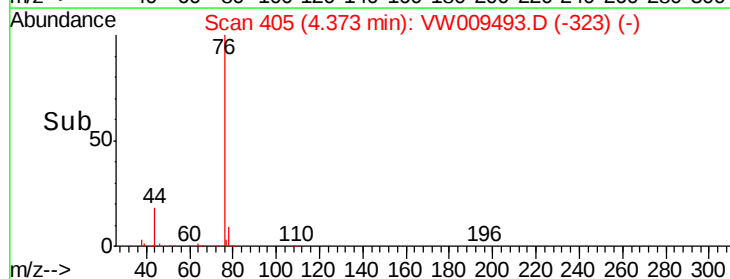
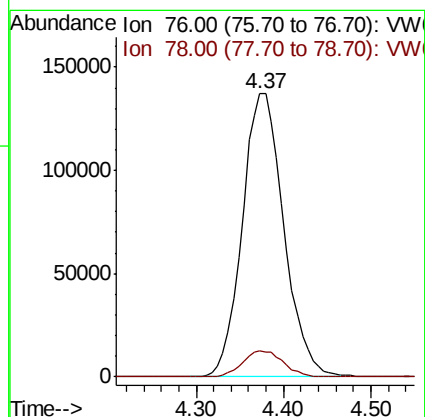
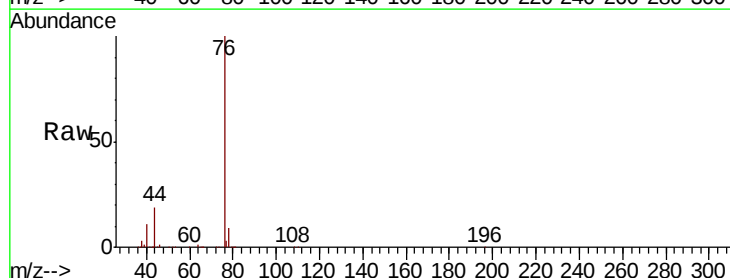
Acq: 27 Mar 2019 10:16

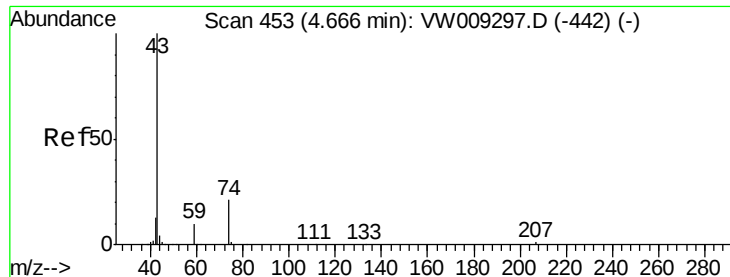
Tgt Ion: 76 Resp: 451847

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

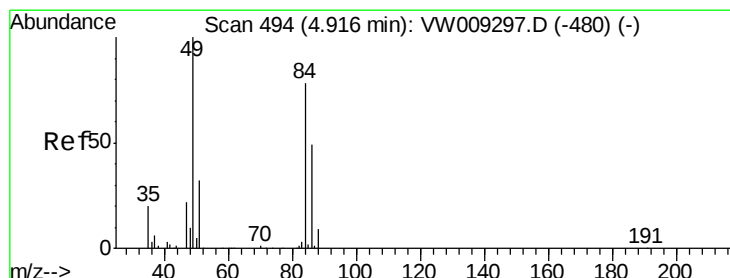
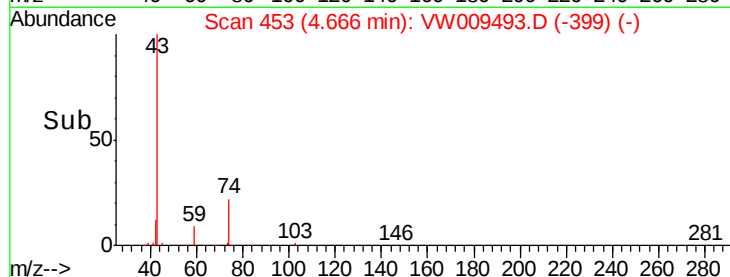
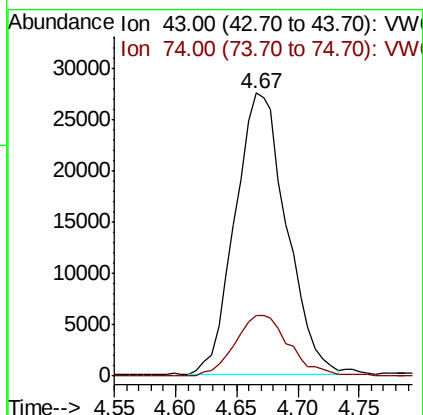
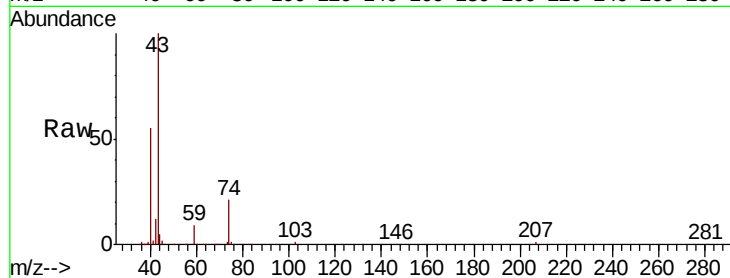




#15
Methvl Acetate
Concen: 21.711 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

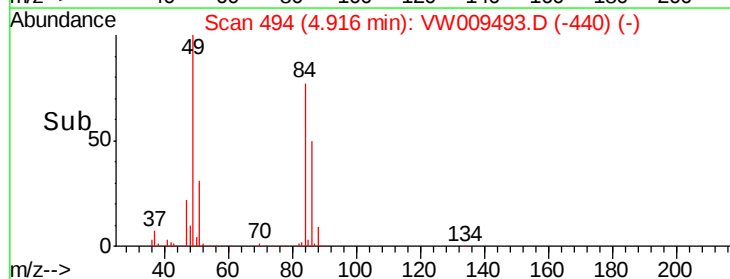
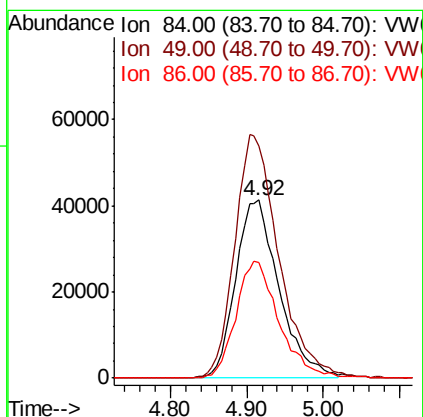
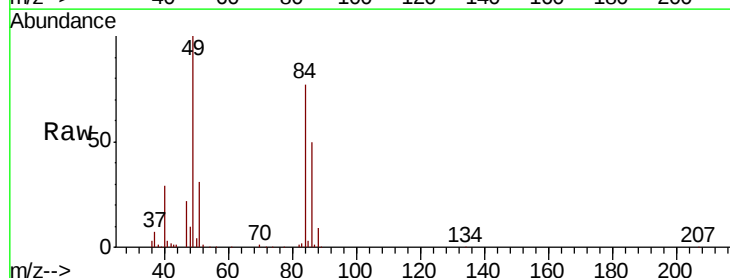
Instrument :
MSVOA_W
ClientSampled :
BFB11

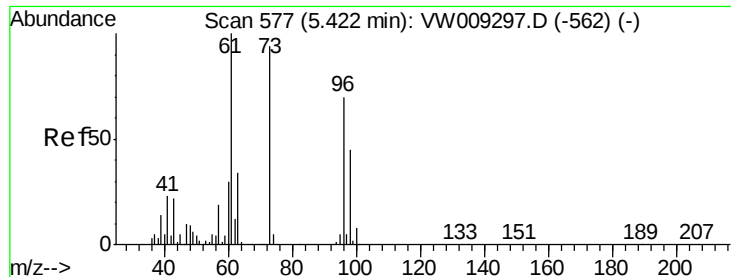
Tot Ion: 43 Resp: 80618
Ion Ratio Lower Upper
43 100
74 22.8 16.7 25.1



#16
Methylene chloride
Concen: 23.976 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion: 84 Resp: 163064
Ion Ratio Lower Upper
84 100
49 130.7 96.0 178.2
86 65.2 44.4 82.5

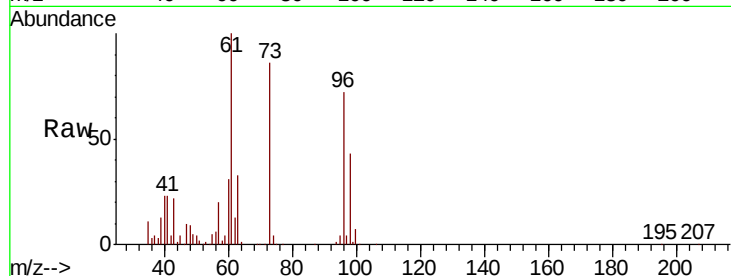




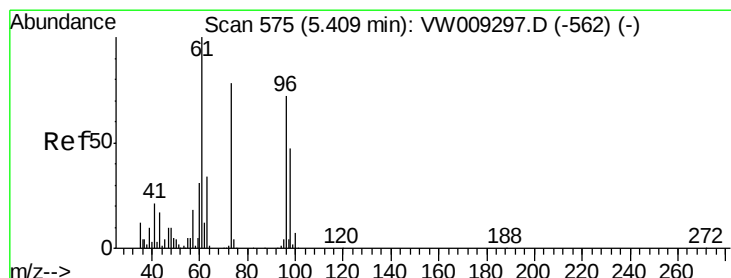
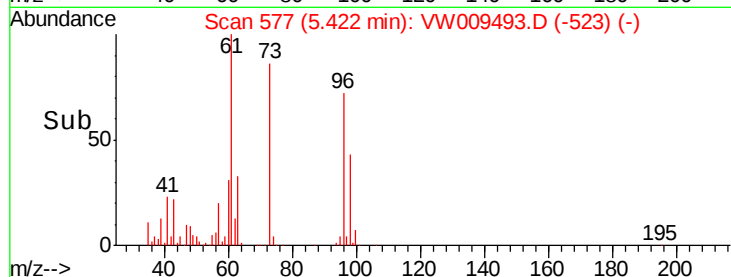
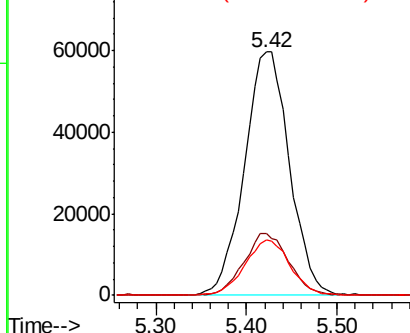
#17
Methvl tert-butvl Ether
Concen: 25.196 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
BFB11

Tot Ion: 73 Resp: 204747
Ion Ratio Lower Upper
73 100
43 25.5 18.2 27.4
57 22.7 17.8 26.8

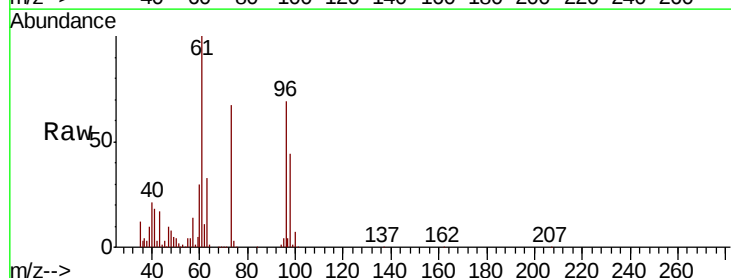


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

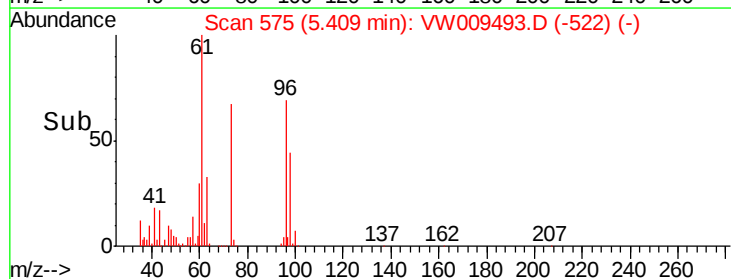
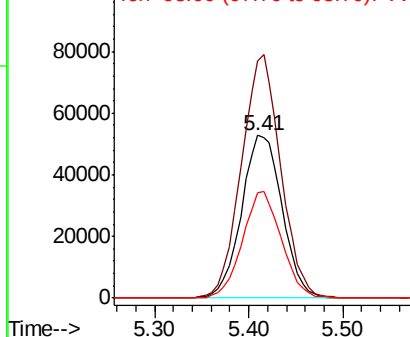


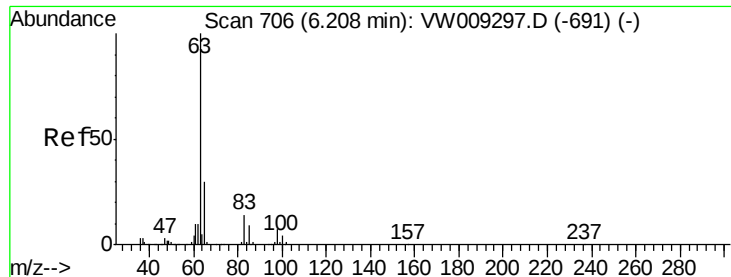
#18
trans-1,2-Dichloroethene
Concen: 26.372 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion: 96 Resp: 159235
Ion Ratio Lower Upper
96 100
61 145.9 96.7 179.5
98 64.9 43.8 81.4



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

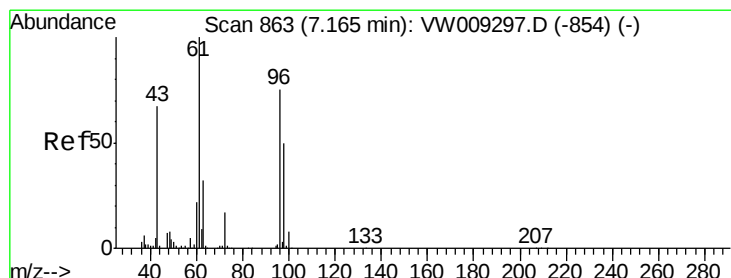
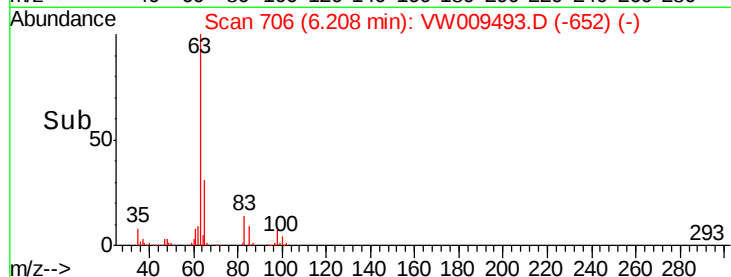
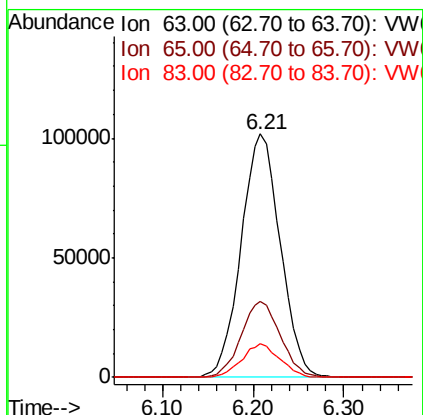
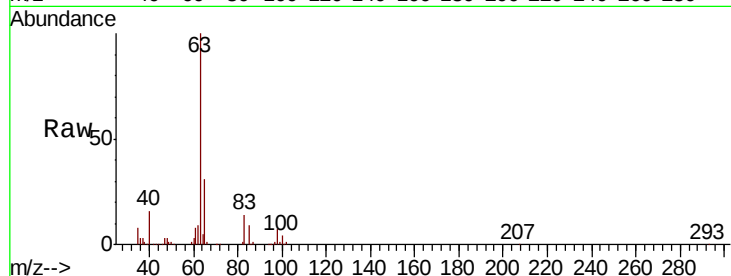




#19
 1,1-Dichloroethane
 Concen: 27.613 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

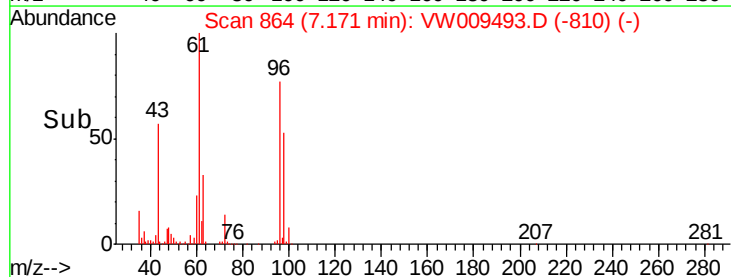
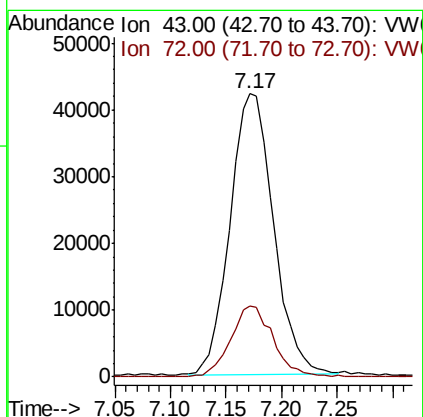
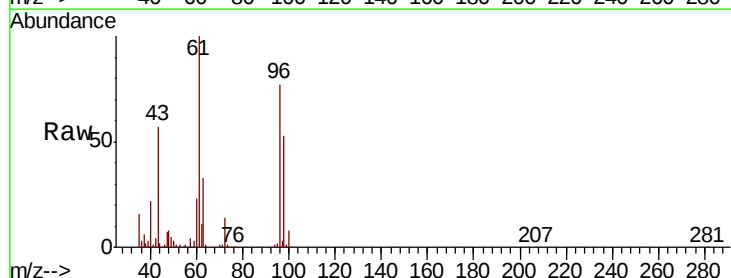
Instrument :
 MSVOA_W
 ClientSampled :
 BFB11

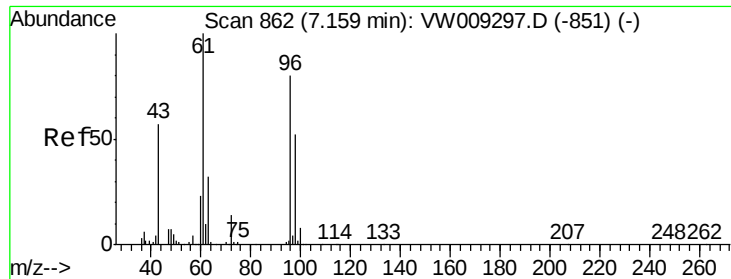
Tot Ion: 63 Resp: 304002
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.6 40.0
 83 13.6 10.1 18.7



#21
 2-Butanone
 Concen: 43.802 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion: 43 Resp: 114315
 Ion Ratio Lower Upper
 43 100
 72 24.6 13.1 39.1



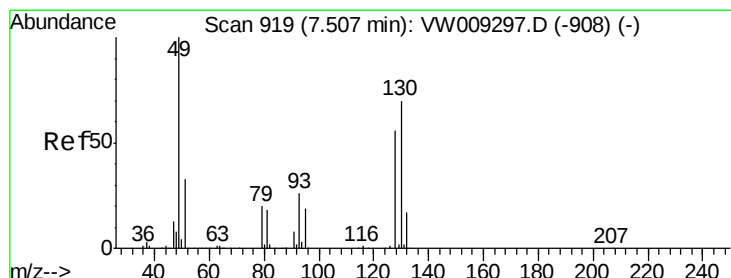
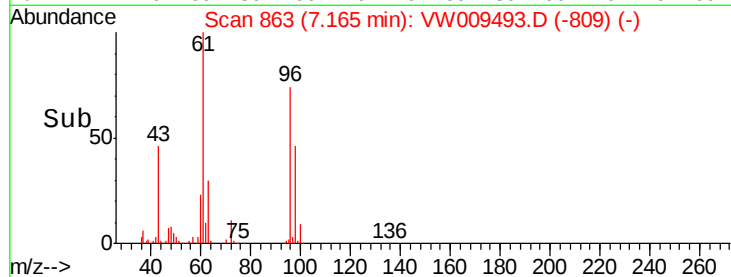
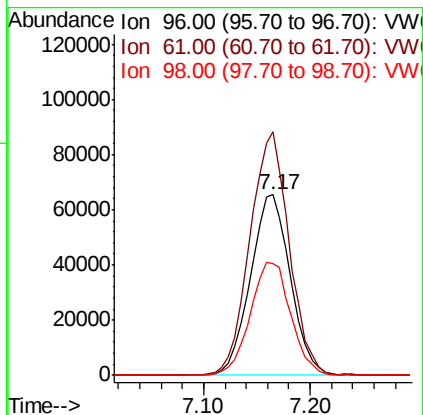
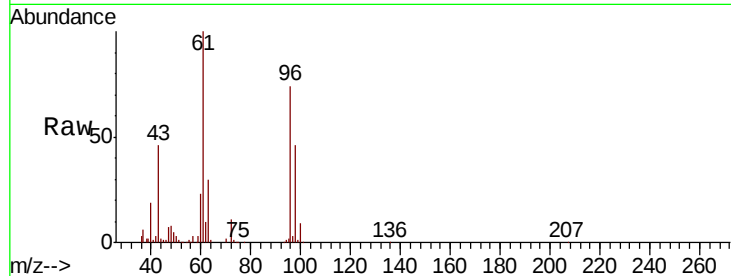


#22

cis-1,2-Dichloroethene
Concen: 26.283 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Instrument :
MSVOA_W
ClientSampled :
BFB11

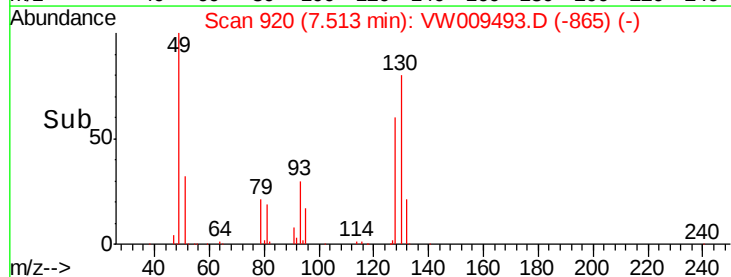
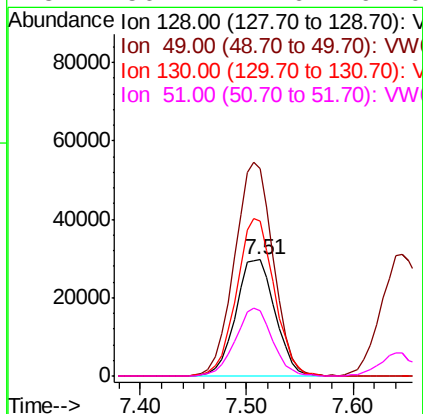
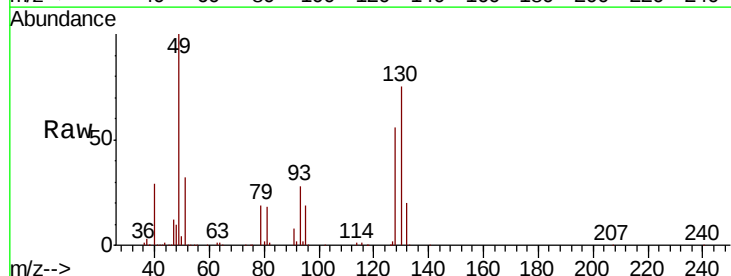
Tot Ion: 96 Resp: 171917
Ion Ratio Lower Upper
96 100
61 135.0 90.6 168.3
98 62.0 44.0 81.8

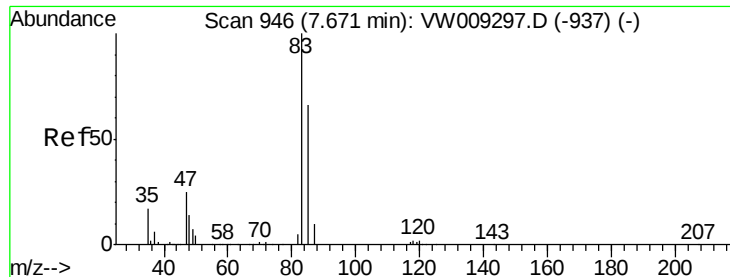


#23

Bromochloromethane
Concen: 24.497 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion: 128 Resp: 76852
Ion Ratio Lower Upper
128 100
49 178.0 118.4 219.8
130 133.2 87.8 163.2
51 56.4 44.6 67.0

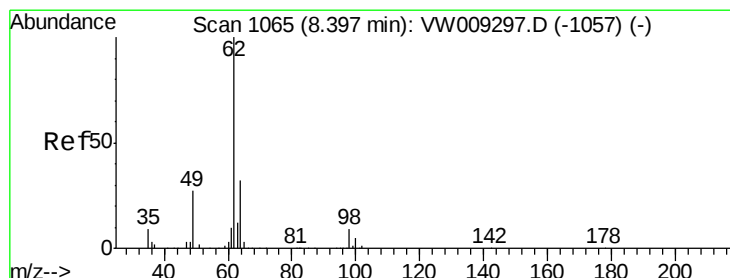
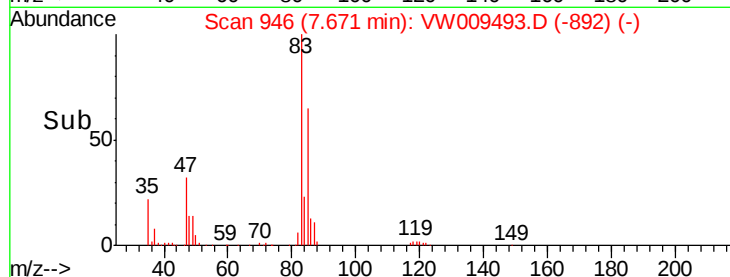
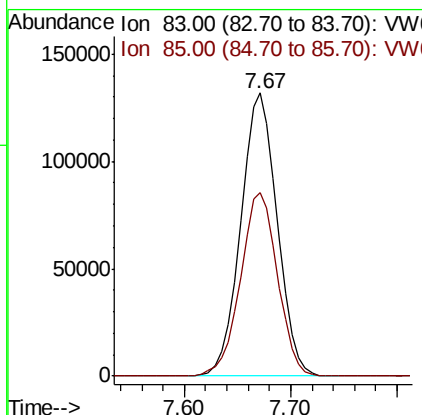
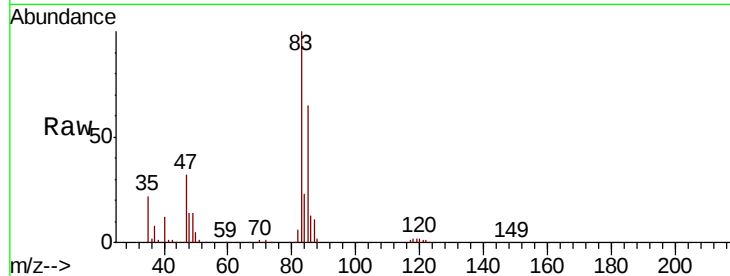




#25
Chloroform
Concen: 27.358 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

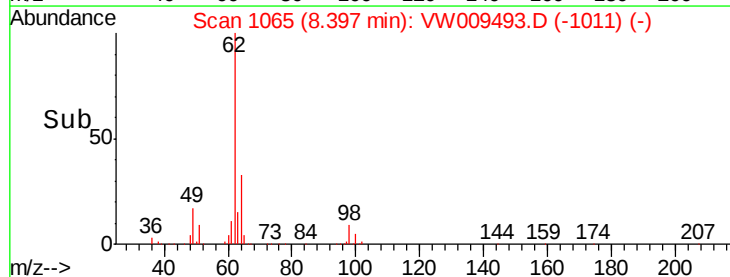
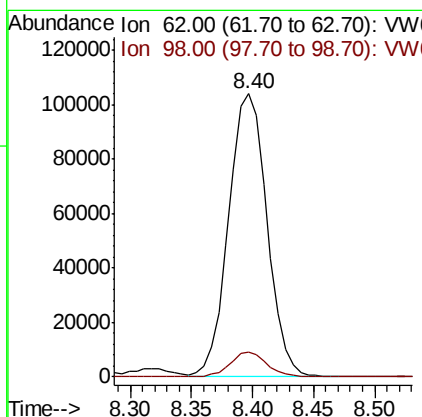
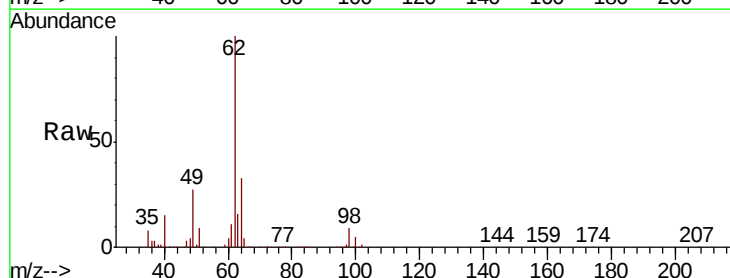
Instrument :
MSVOA_W
ClientSampled :
BFB11

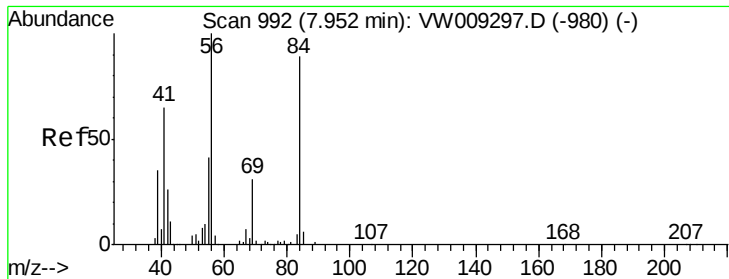
Tot Ion: 83 Resp: 315425
Ion Ratio Lower Upper
83 100
85 66.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.328 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion: 62 Resp: 226324
Ion Ratio Lower Upper
62 100
98 8.8 7.3 10.9

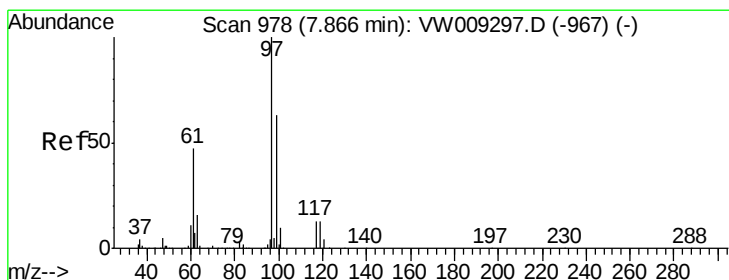
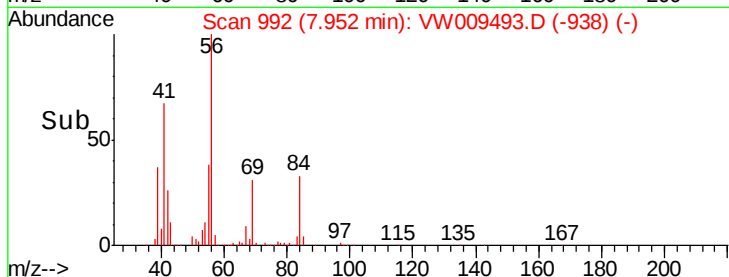
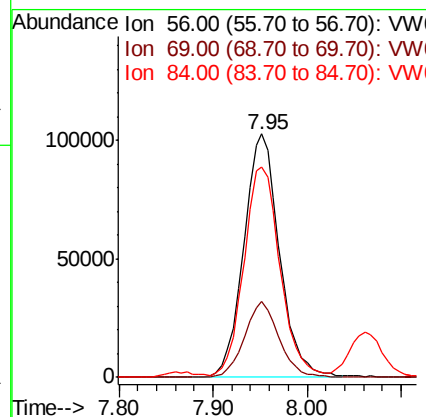
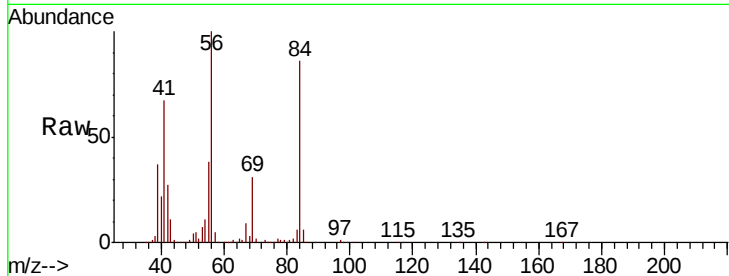




#30
Cyclohexane
Concen: 27.213 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

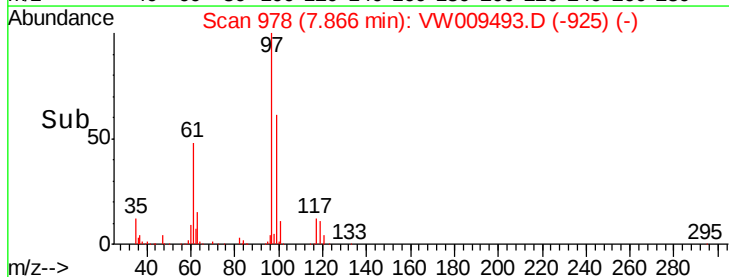
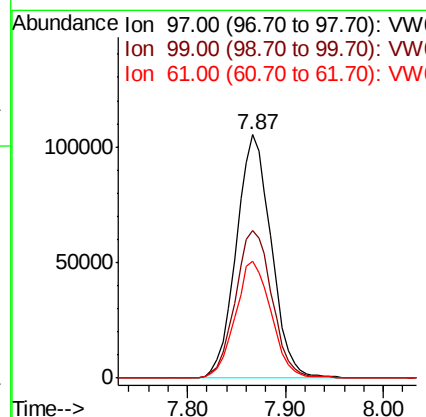
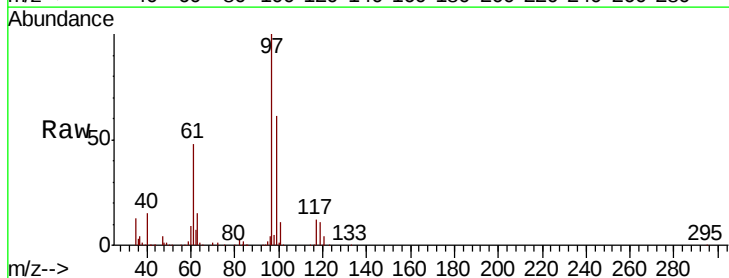
Instrument :
MSVOA_W
ClientSampleId :
BFB11

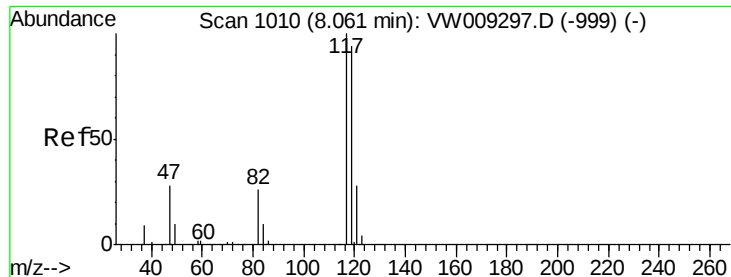
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	88.1	69.2	103.8



#31
1,1,1-Trichloroethane
Concen: 29.744 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	48.9	38.4	57.6



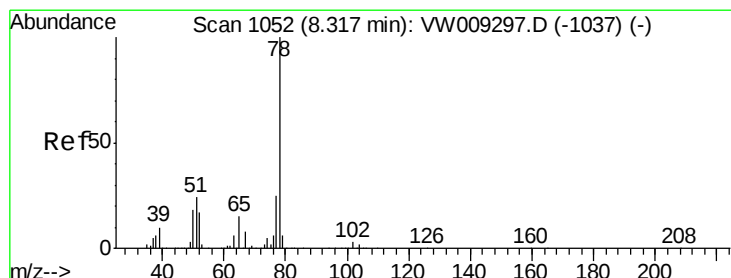
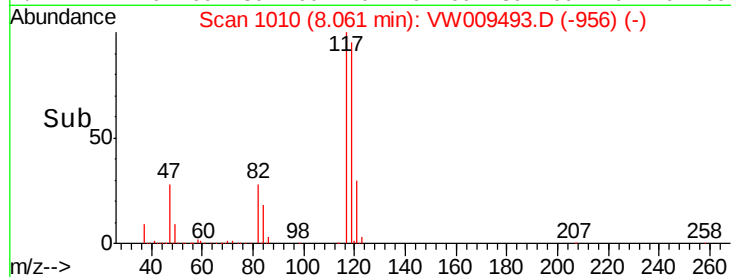
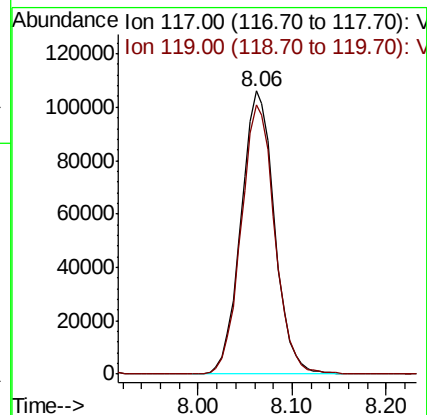
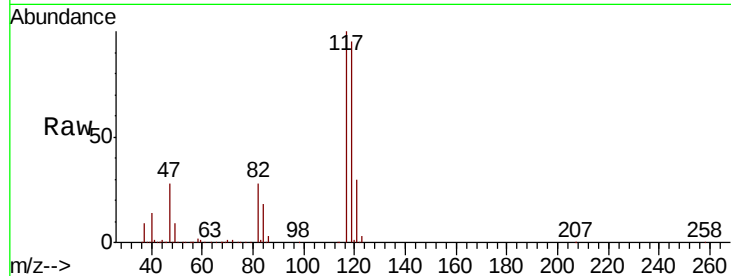


#32

Carbon tetrachloride
Concen: 29.660 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
BFB11

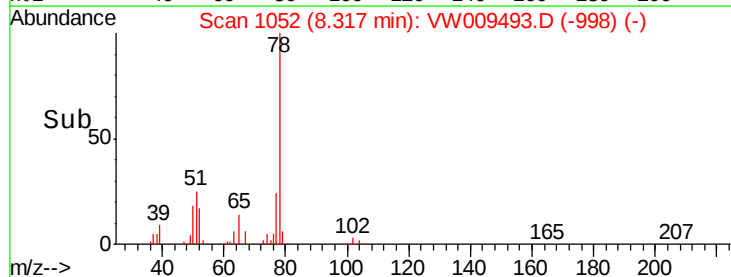
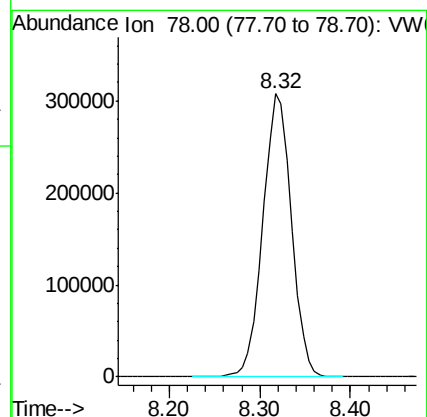
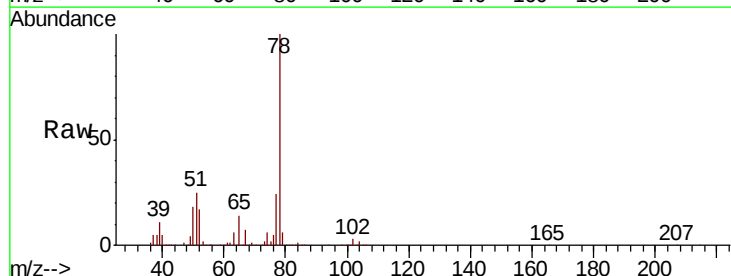
Tot Ion:117 Resp: 263139
Ion Ratio Lower Upper
117 100
119 95.6 78.0 117.0

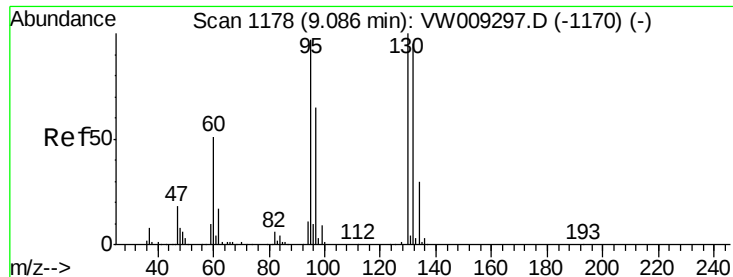


#34

Benzene
Concen: 27.862 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009493.D
Acq: 27 Mar 2019 10:16

Tgt Ion: 78 Resp: 671429





#35

Trichloroethene

Concen: 27.218 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampled :

BFB11

Tot Ion: 95 Resp: 174772

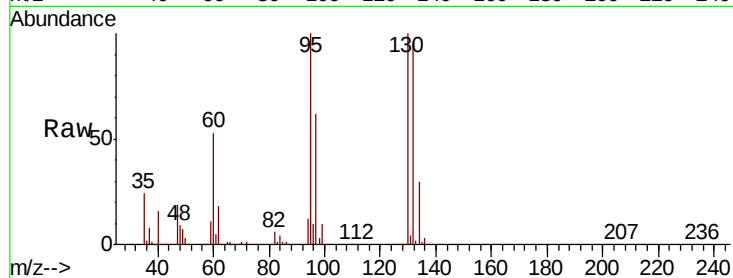
Ion Ratio Lower Upper

95 100

97 64.0 44.7 82.9

132 97.7 69.0 128.2

130 101.3 72.7 134.9

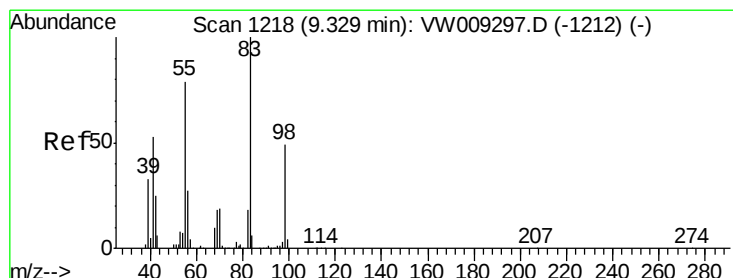
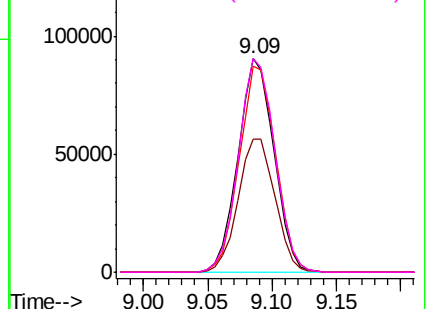
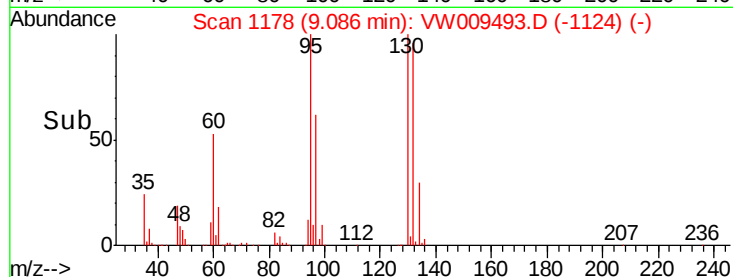


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 27.781 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

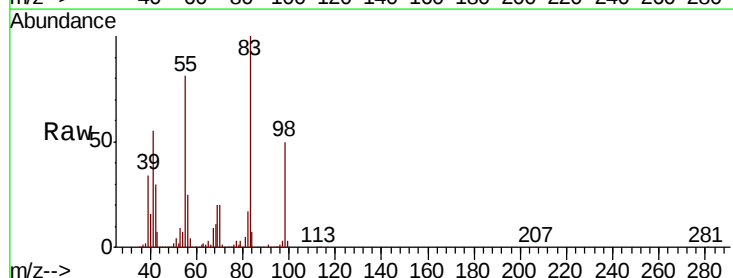
Tgt Ion: 83 Resp: 308629

Ion Ratio Lower Upper

83 100

55 80.0 63.5 95.3

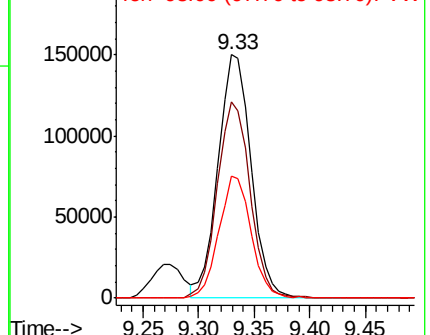
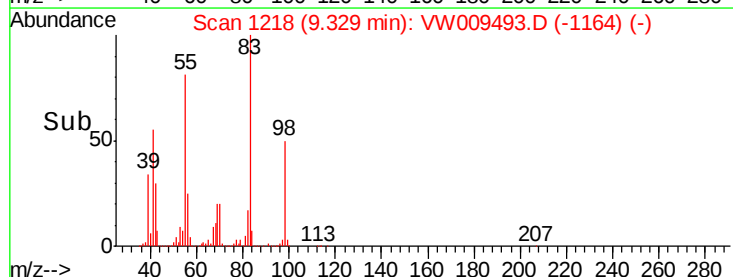
98 49.0 39.8 59.8

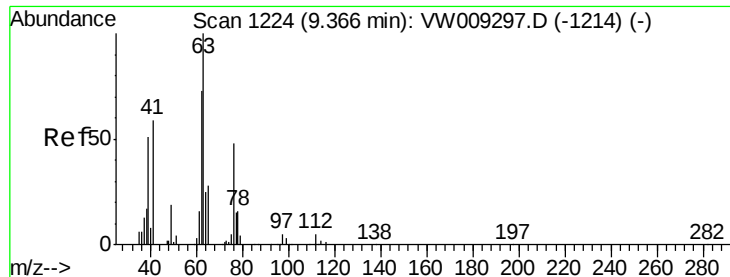


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

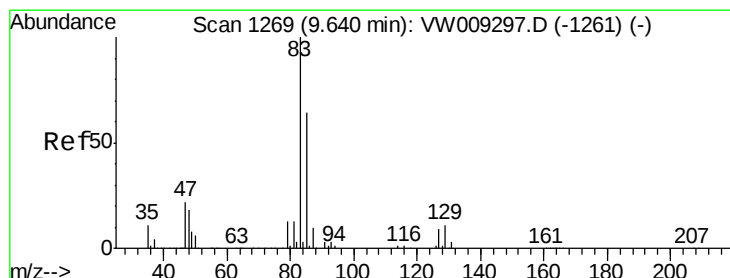
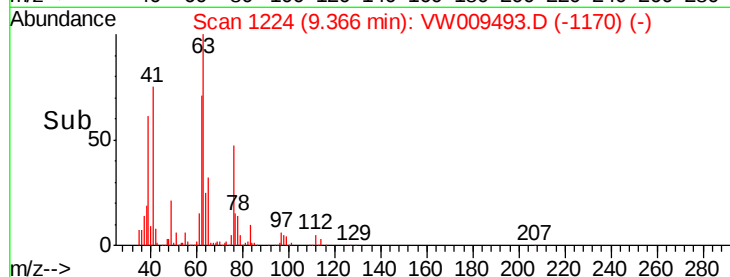
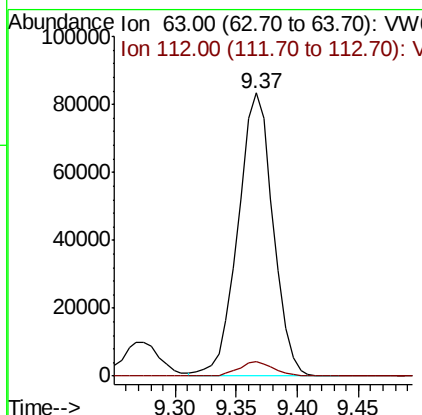
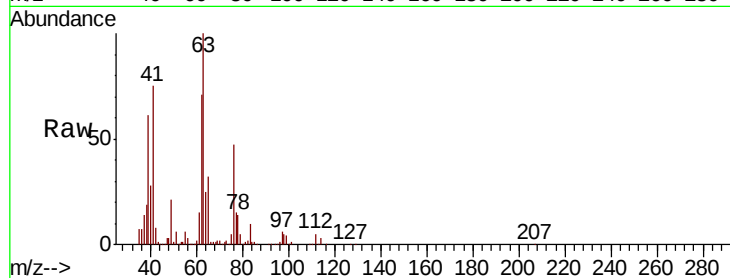




#40
 1,2-Dichloropropane
 Concen: 26.882 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

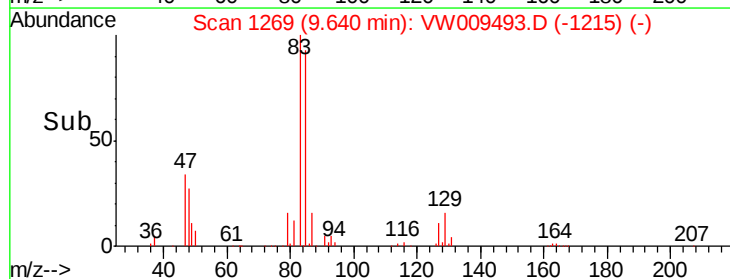
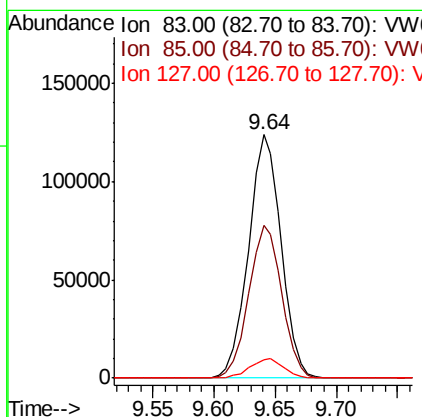
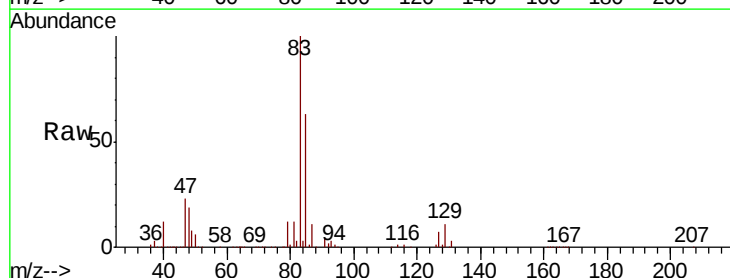
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

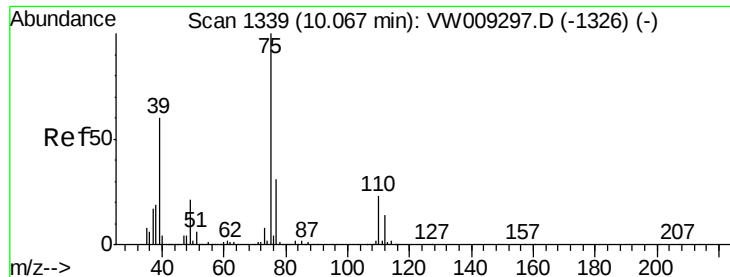
Tot Ion: 63 Resp: 166235
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.794 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion: 83 Resp: 229571
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.5 80.7
 127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.362 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

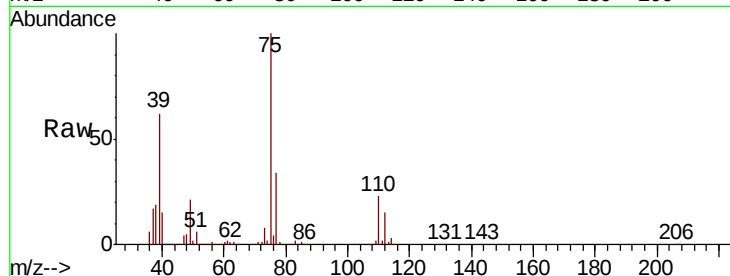
BFB11

Tot Ion: 75 Resp: 265504

Ion Ratio Lower Upper

75 100

77 33.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

150000

100000

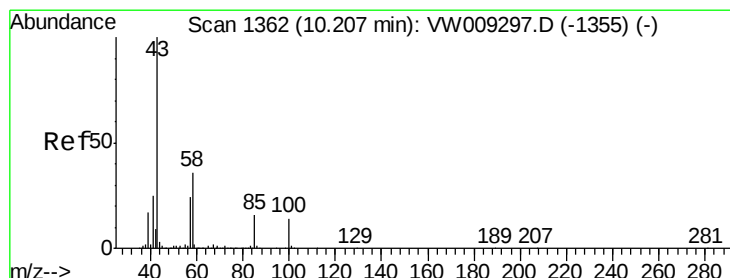
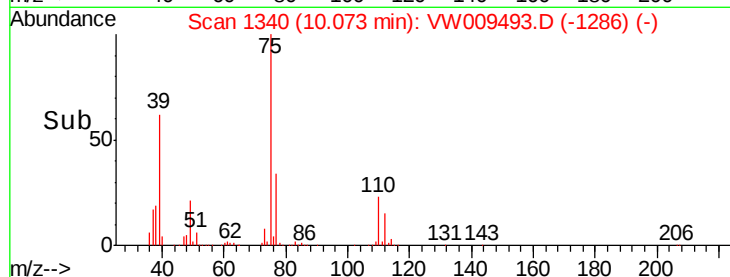
50000

0

Time-->

10.00

10.10



#43

4-Methyl-2-pentanone

Concen: 44.194 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

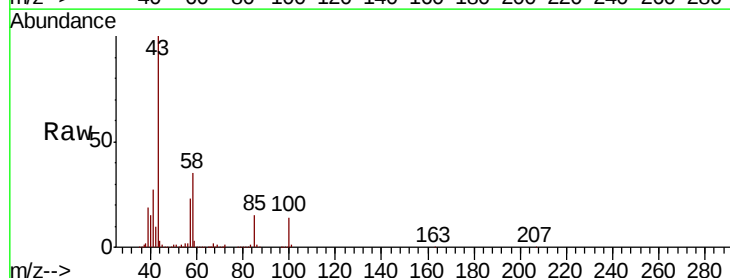
Tgt Ion: 43 Resp: 247638

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2

100 13.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

150000

100000

50000

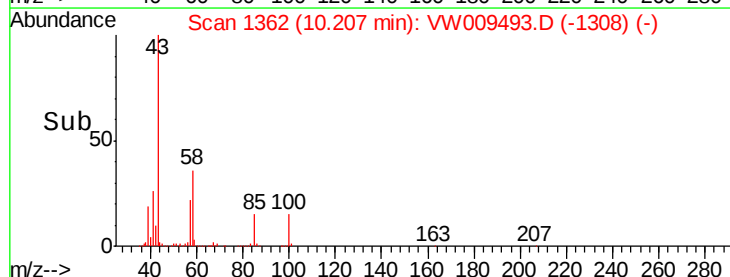
0

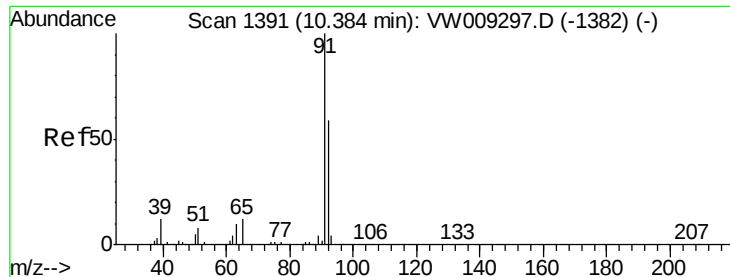
Time-->

10.10

10.20

10.30





#44

Toluene

Concen: 27.663 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

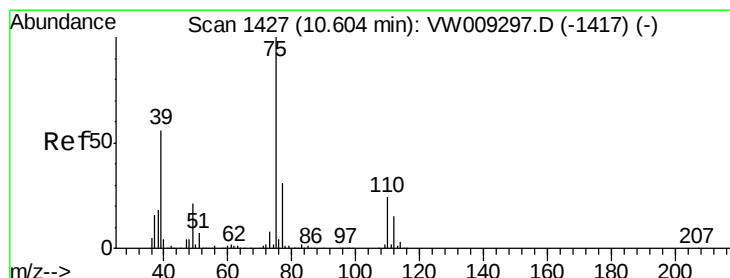
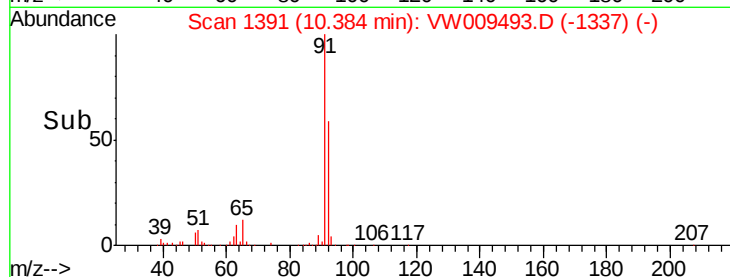
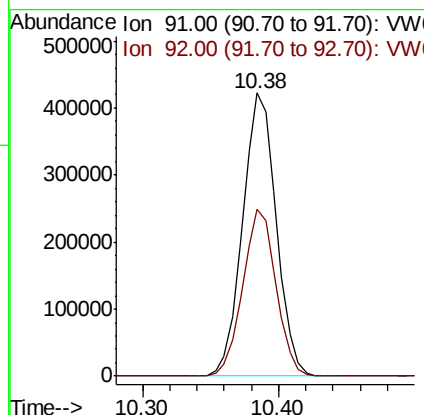
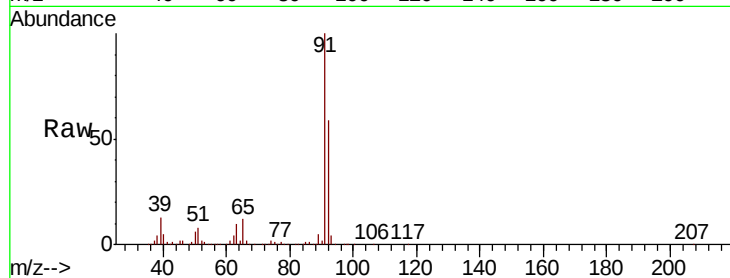
BFB11

Tot Ion: 91 Resp: 728856

Ion Ratio Lower Upper

91 100

92 58.9 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.963 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009493.D

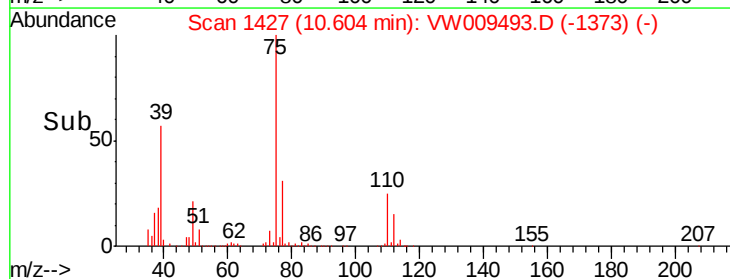
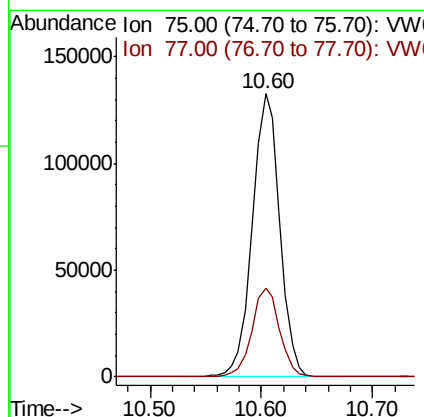
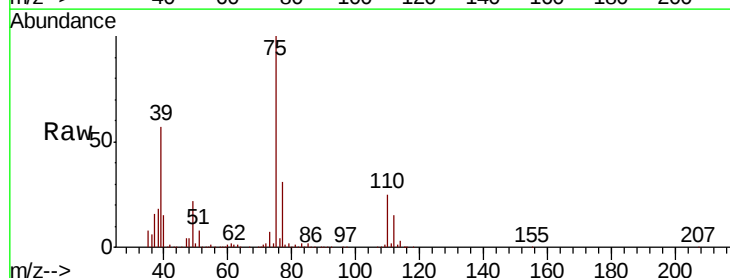
Acq: 27 Mar 2019 10:16

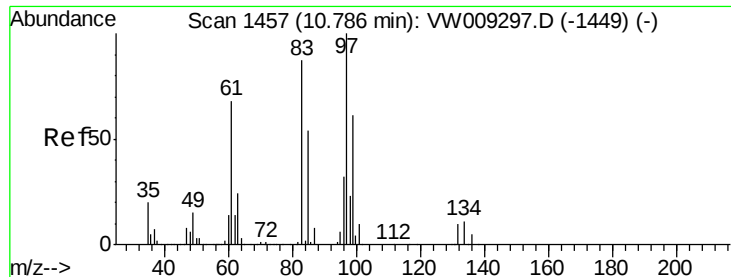
Tgt Ion: 75 Resp: 227469

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.142 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

BFB11

Tot Ion: 97 Resp: 124036

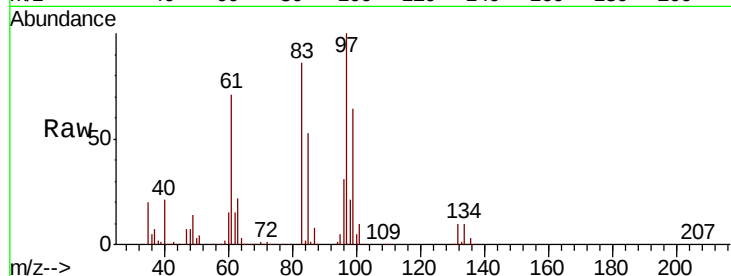
Ion Ratio Lower Upper

97 100

83 85.6 60.7 112.7

85 53.4 40.1 74.5

99 63.7 43.8 81.3



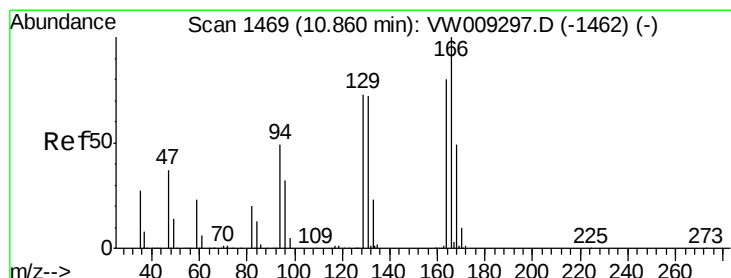
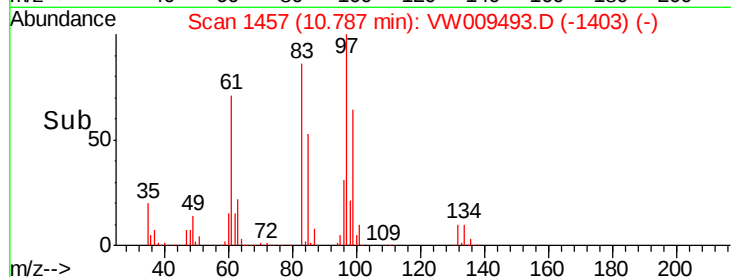
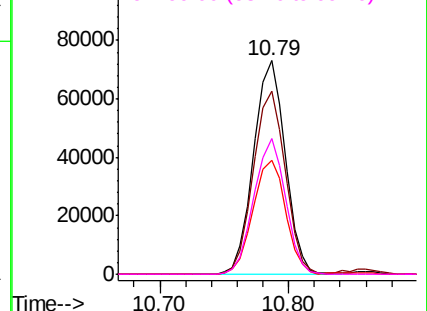
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.368 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Tgt Ion: 164 Resp: 143063

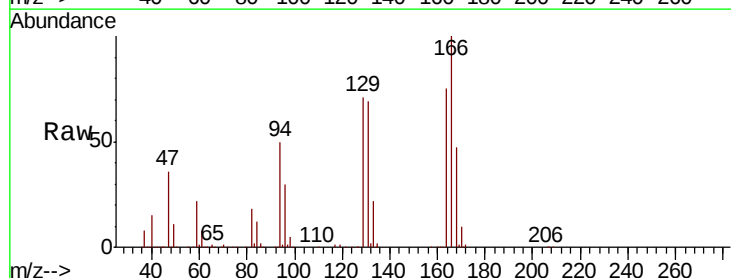
Ion Ratio Lower Upper

164 100

129 95.3 66.5 123.5

131 92.8 62.6 116.3

166 133.8 91.6 170.0



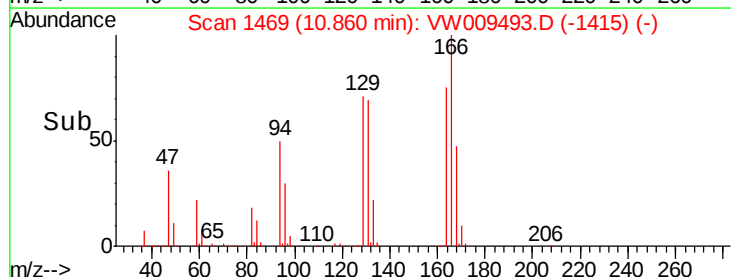
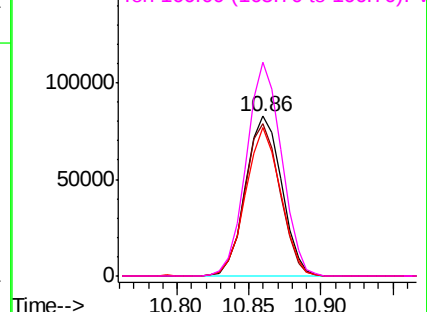
Abundance

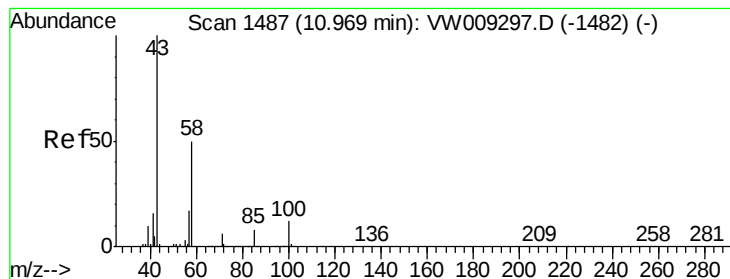
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 47.946 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampled :

BFB11

Tot Ion: 43 Resp: 189222

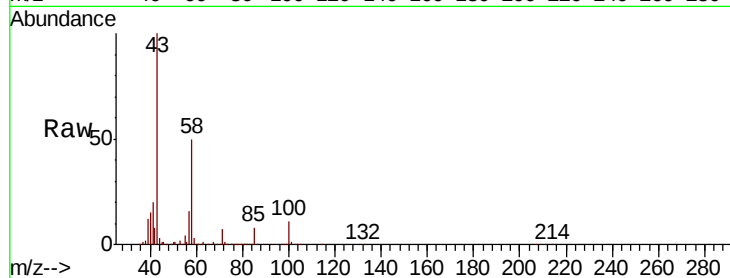
Ion Ratio Lower Upper

43 100

58 49.0 39.2 58.8

57 17.0 14.2 21.2

100 10.8 8.9 13.3

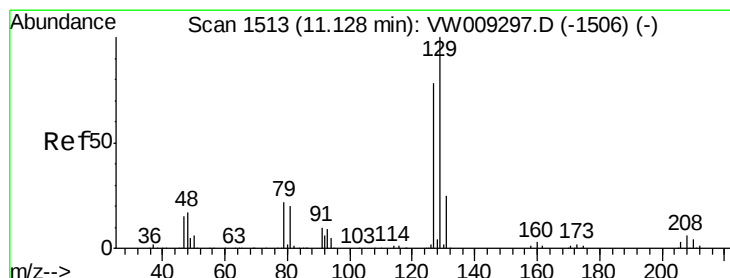
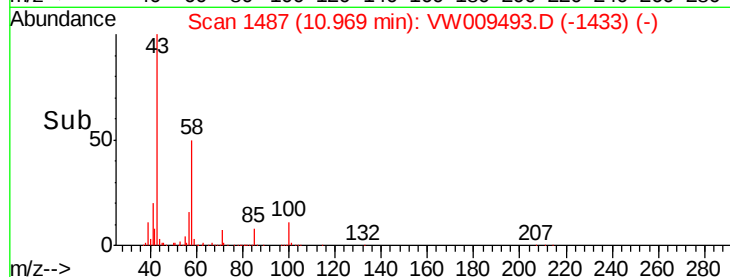
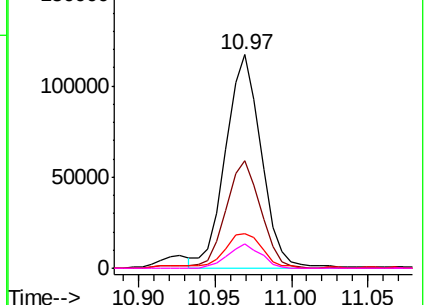


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.449 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009493.D

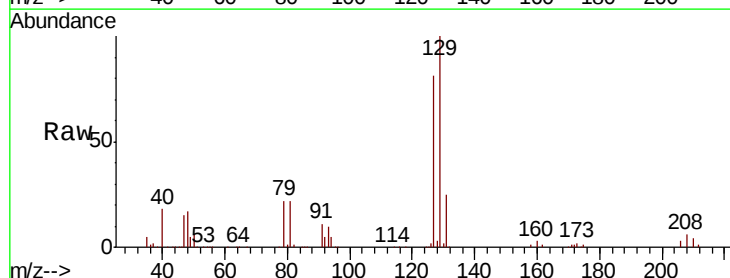
Acq: 27 Mar 2019 10:16

Tgt Ion: 129 Resp: 154985

Ion Ratio Lower Upper

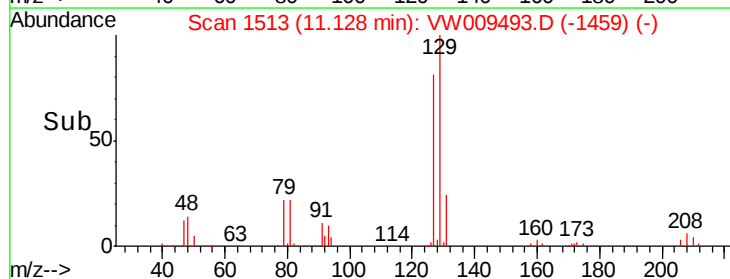
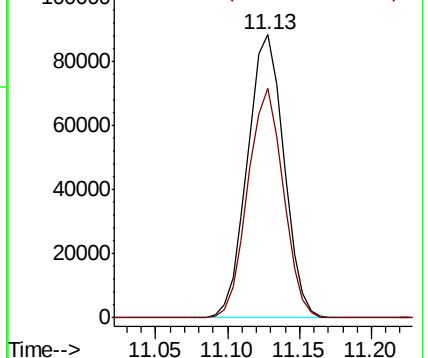
129 100

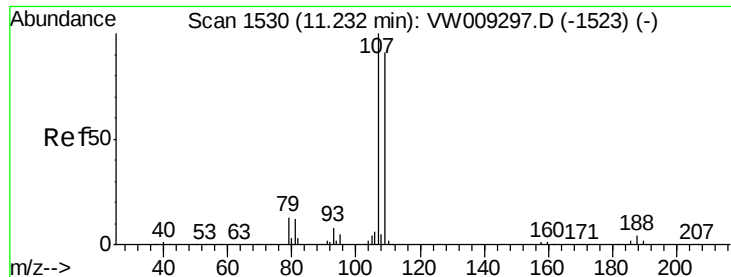
127 81.2 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

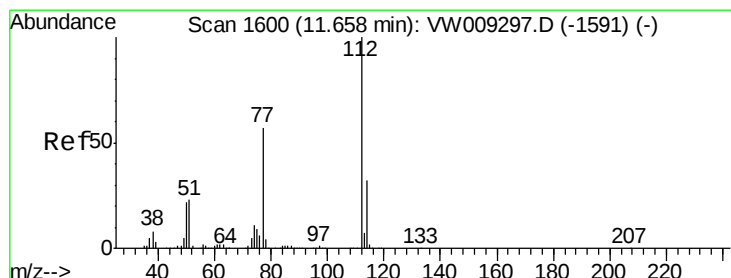
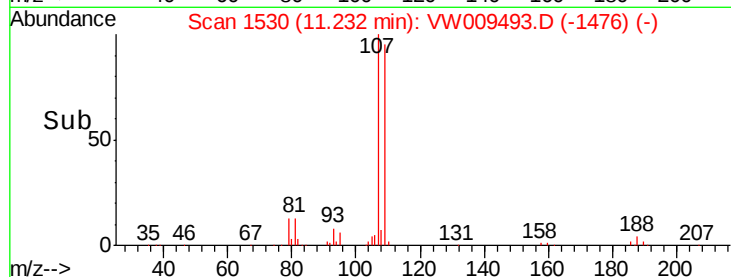
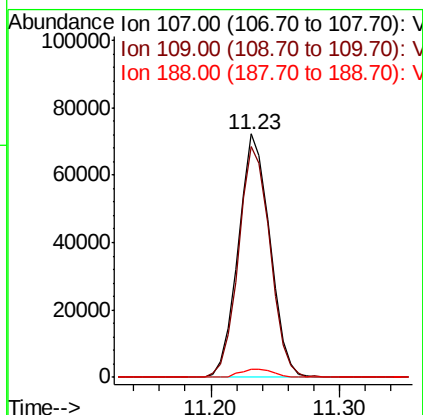
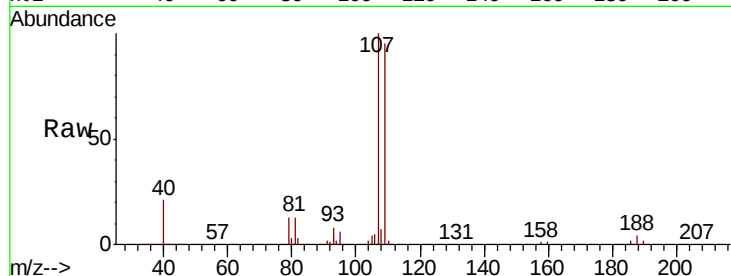




#51
 1,2-Dibromoethane
 Concen: 24.521 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

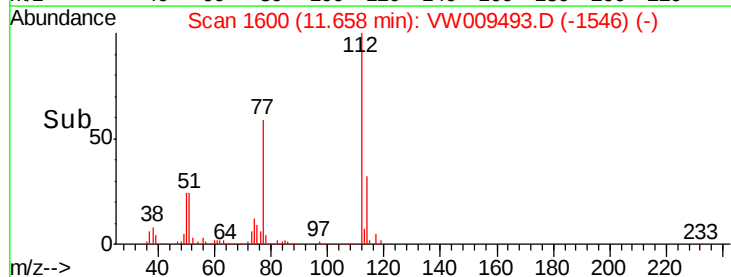
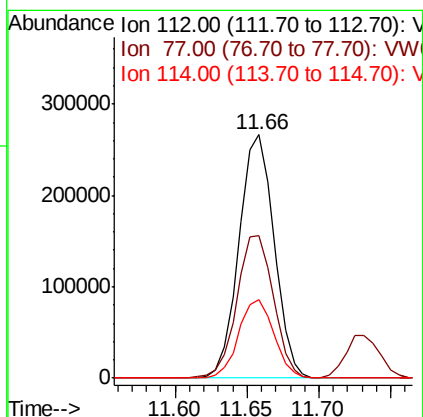
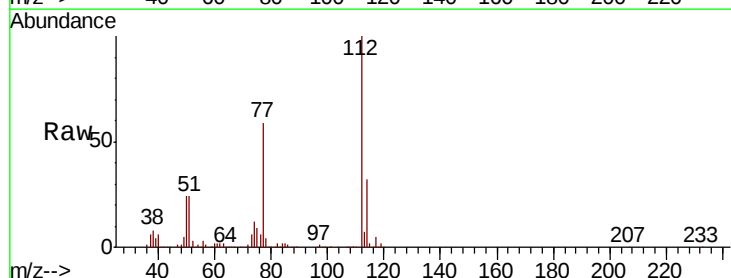
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

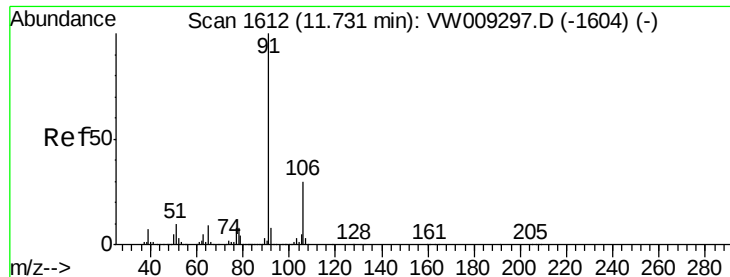
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	68.0	126.4
188	3.6	3.5	5.3



#52
 Chlorobenzene
 Concen: 26.766 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.6	45.7	68.5
114	32.5	22.8	42.4





#53

Ethylbenzene

Concen: 28.327 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

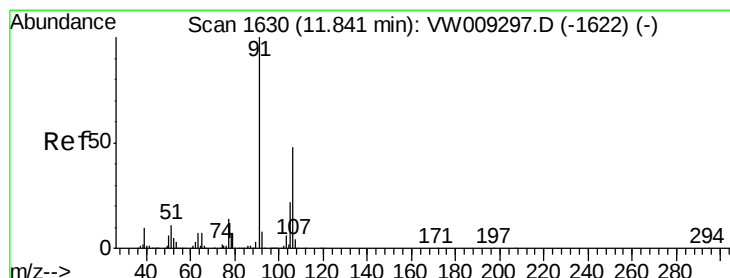
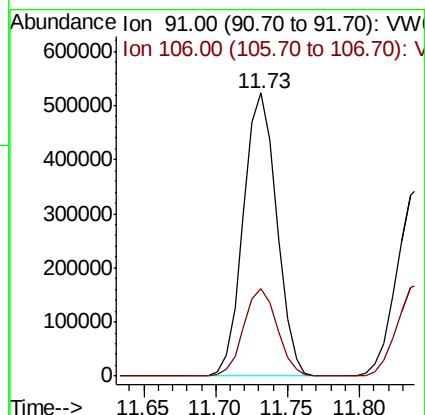
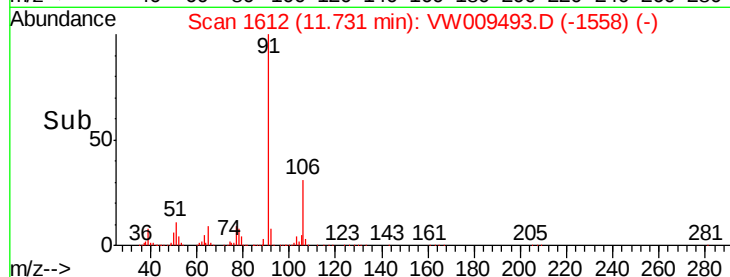
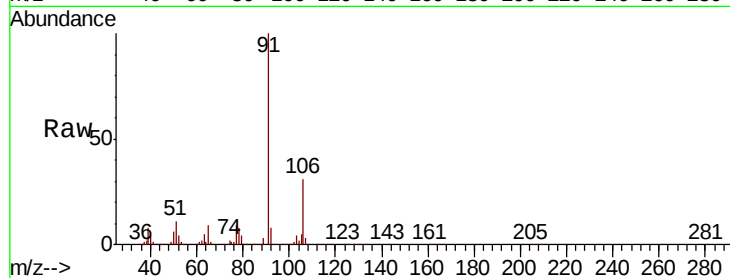
BFB11

Tot Ion: 91 Resp: 839111

Ion Ratio Lower Upper

91 100

106 30.9 21.0 39.0



#54

m,p-Xylene

Concen: 27.927 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009493.D

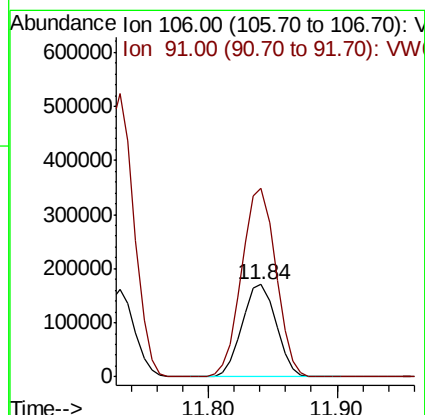
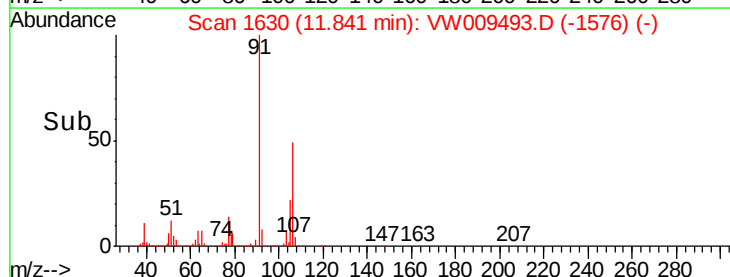
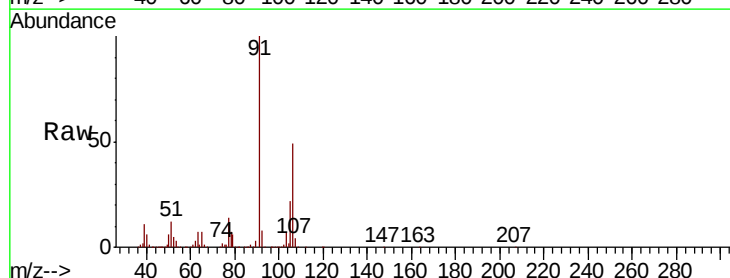
Acq: 27 Mar 2019 10:16

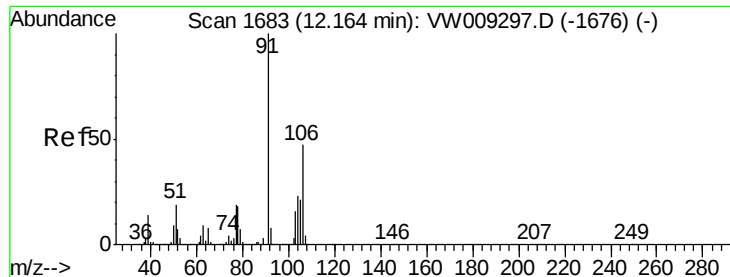
Tgt Ion: 106 Resp: 314289

Ion Ratio Lower Upper

106 100

91 204.9 138.4 257.0





#55

o-xylene

Concen: 27.229 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

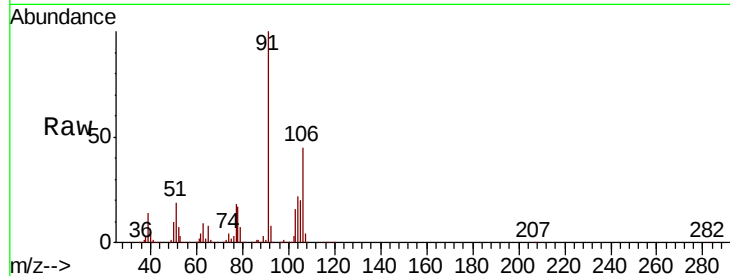
BFB11

Tot Ion:106 Resp: 298950

Ion Ratio Lower Upper

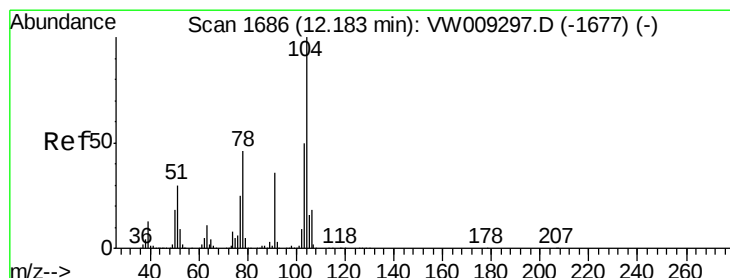
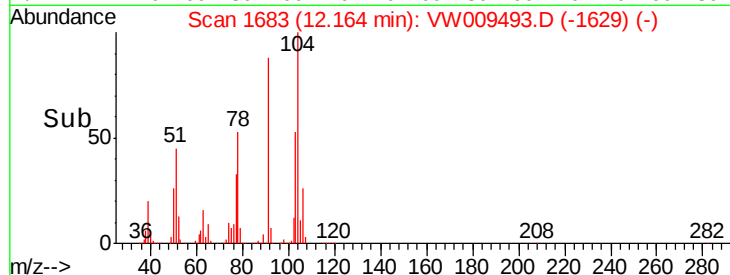
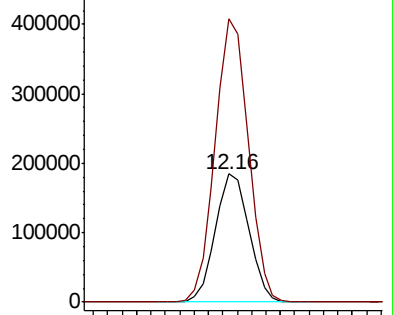
106 100

91 220.6 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.713 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009493.D

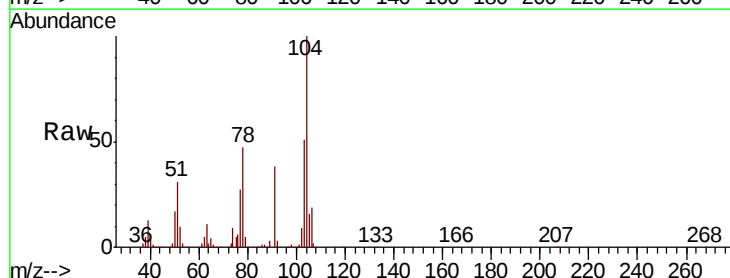
Acq: 27 Mar 2019 10:16

Tgt Ion:104 Resp: 519136

Ion Ratio Lower Upper

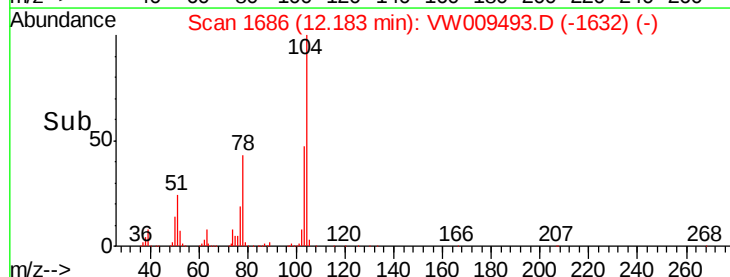
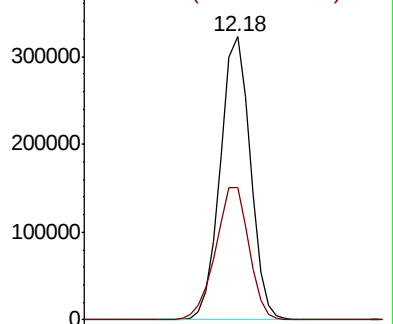
104 100

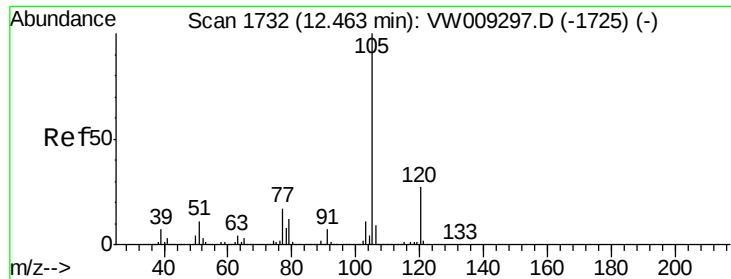
78 46.8 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.742 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

BFB11

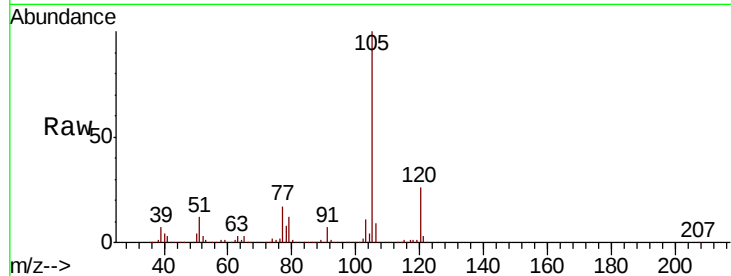
Tot Ion:105 Resp: 845326

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

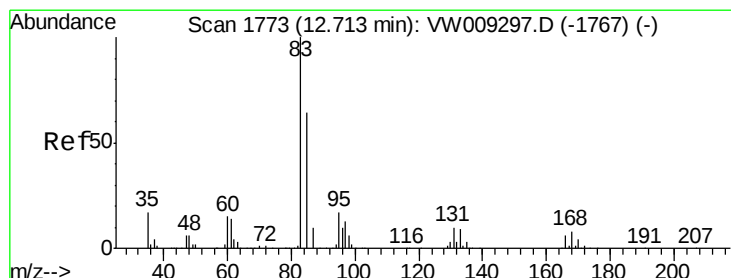
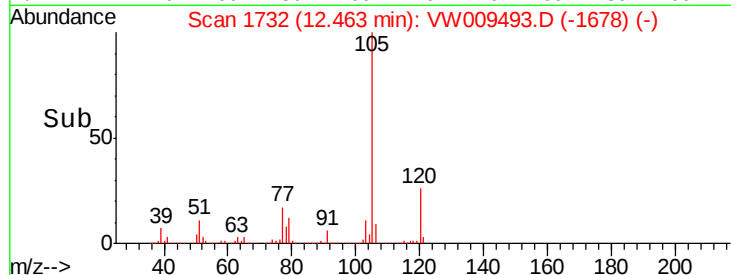
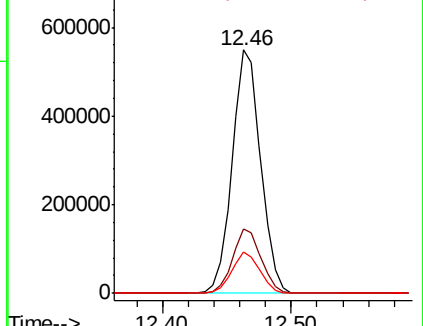
77 16.9 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.689 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

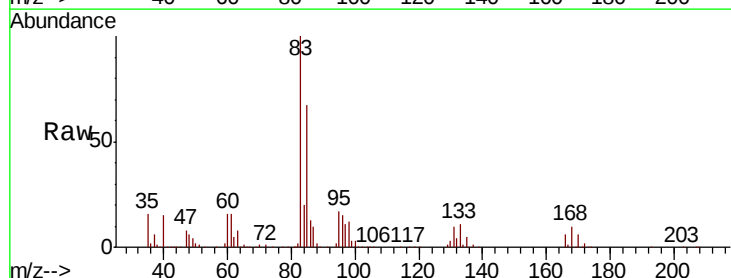
Tgt Ion: 83 Resp: 164314

Ion Ratio Lower Upper

83 100

85 66.9 45.6 84.8

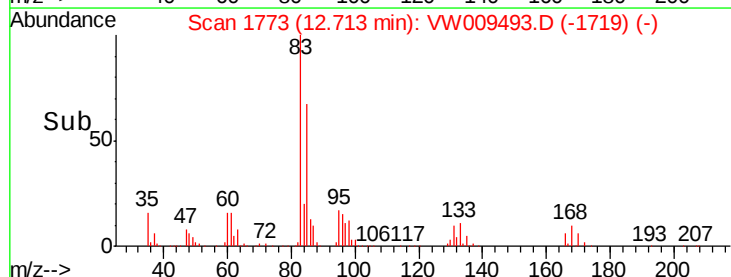
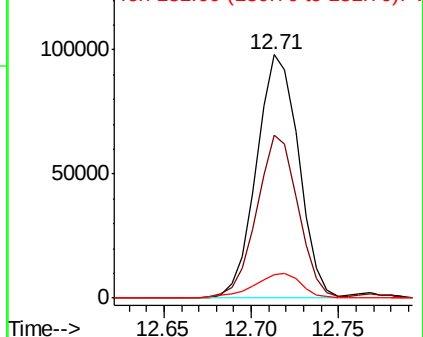
131 9.6 9.2 13.8

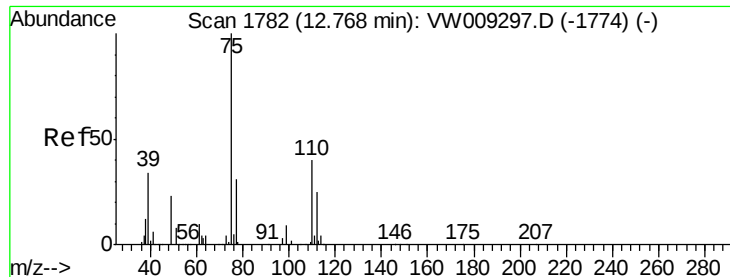


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.473 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

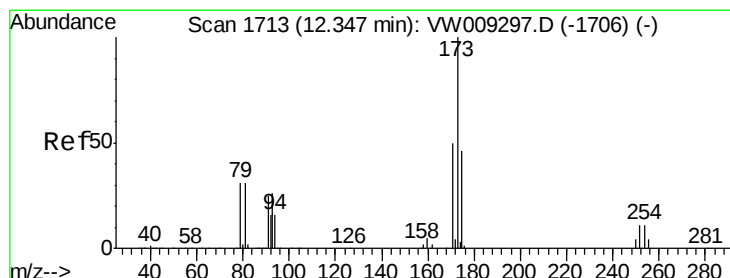
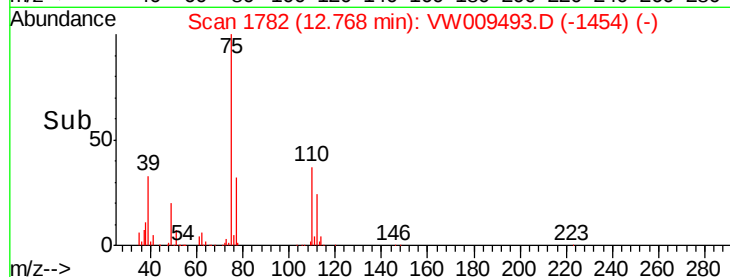
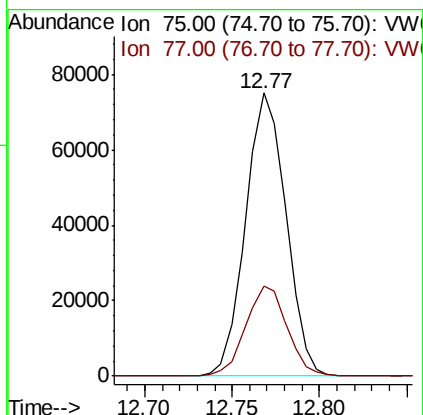
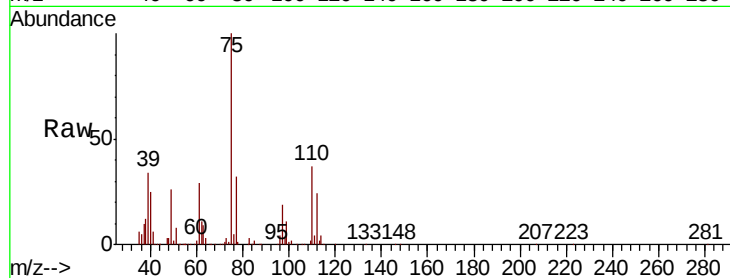
BFB11

Tot Ion: 75 Resp: 120876

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#62

Bromoform

Concen: 24.496 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

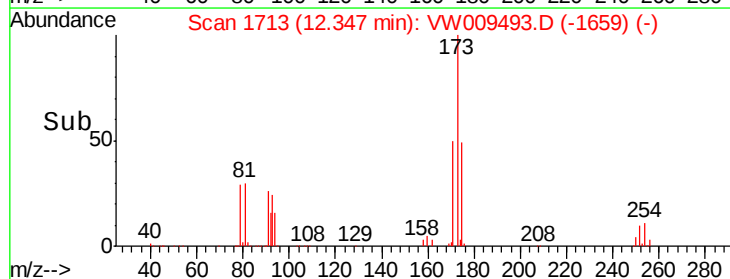
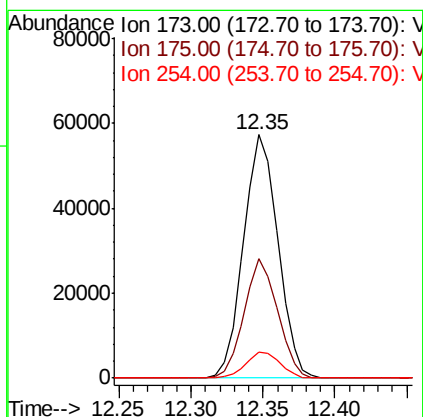
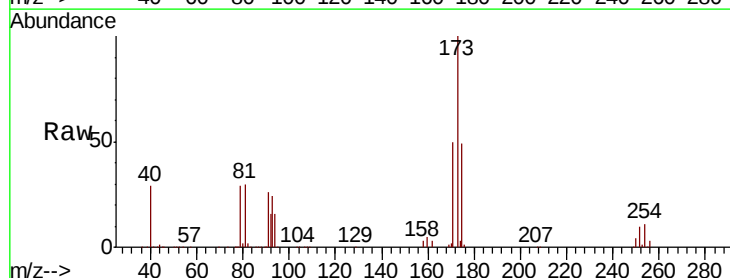
Tgt Ion: 173 Resp: 95018

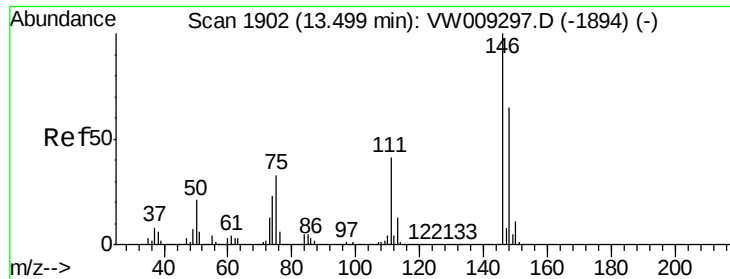
Ion Ratio Lower Upper

173 100

175 47.8 39.7 59.5

254 10.6 8.5 12.7

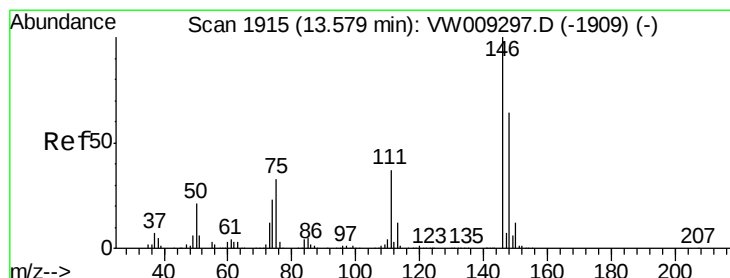
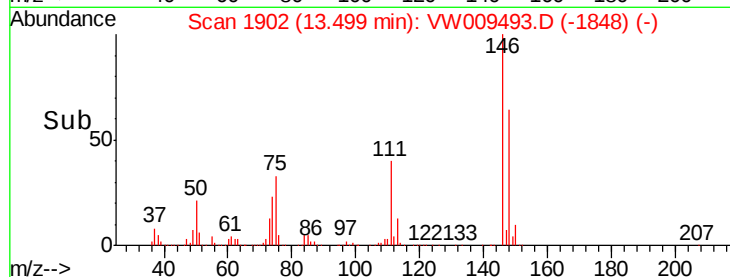
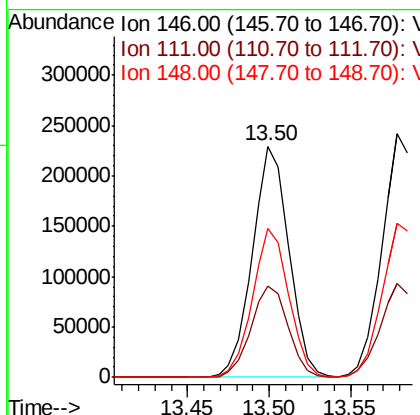
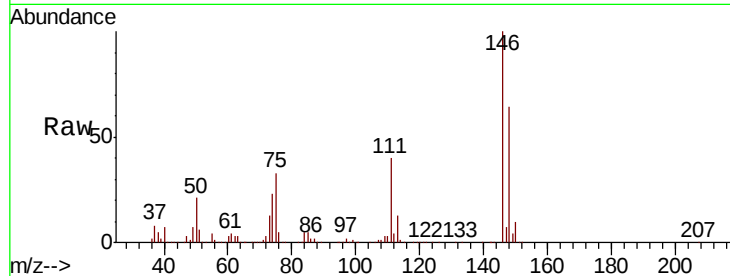




#63
 1,3-Dichlorobenzene
 Concen: 26.172 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

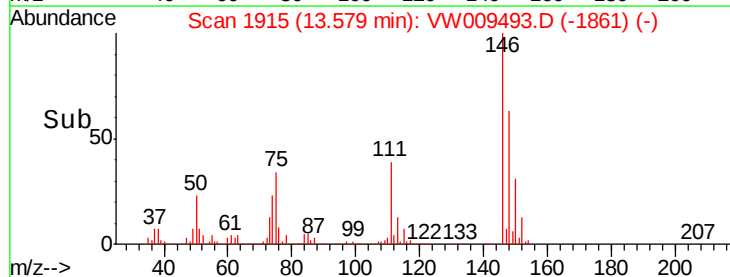
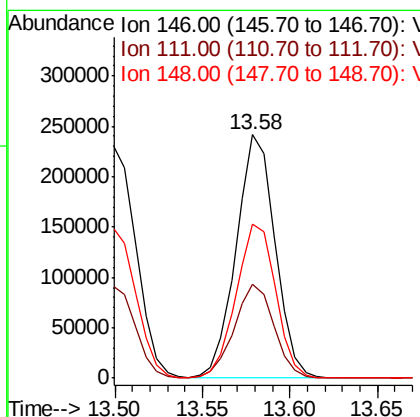
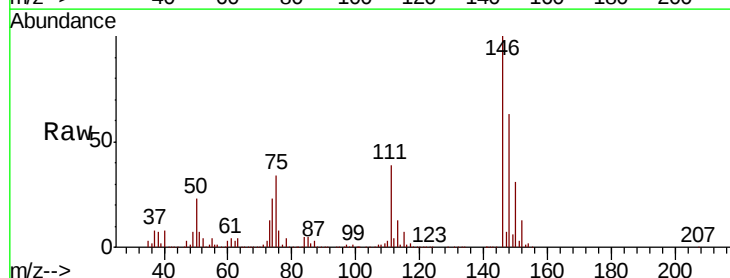
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB11

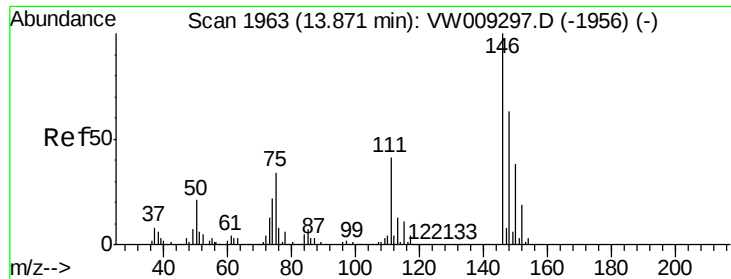
Tot Ion:146 Resp: 358094
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.9 49.9
 148 64.2 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.539 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion:146 Resp: 375413
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.8 51.6
 148 63.4 46.3 86.1

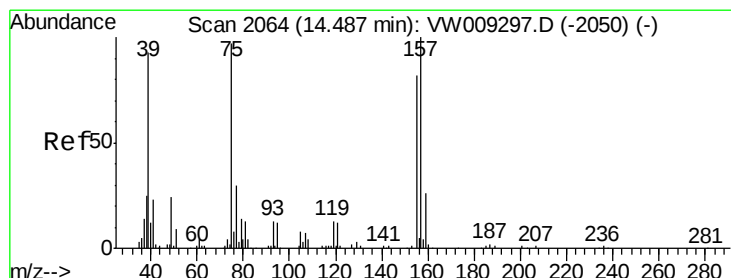
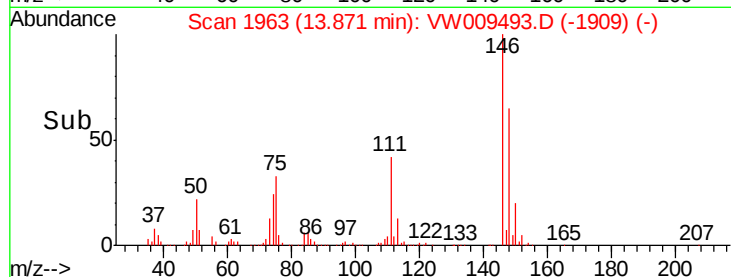
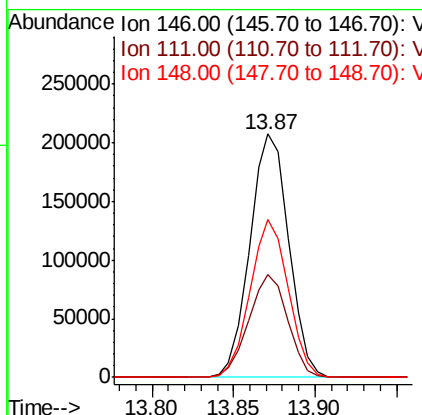
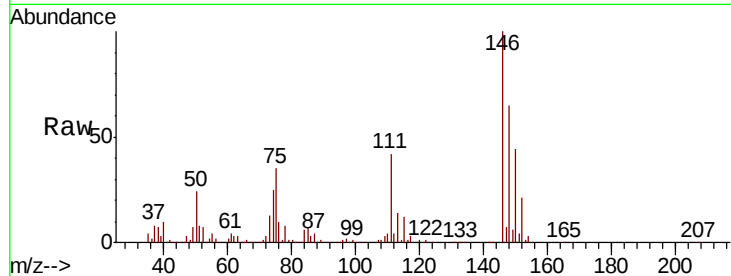




#65
 1,2-Dichlorobenzene
 Concen: 26.422 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

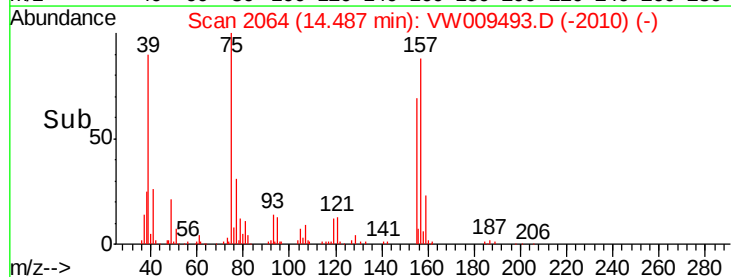
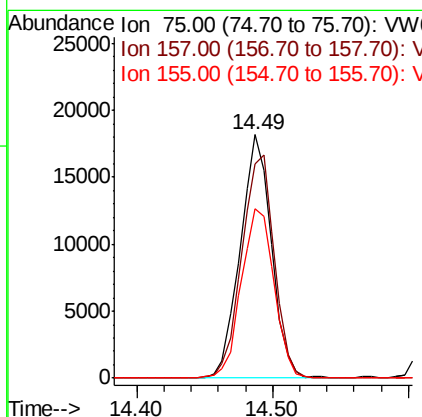
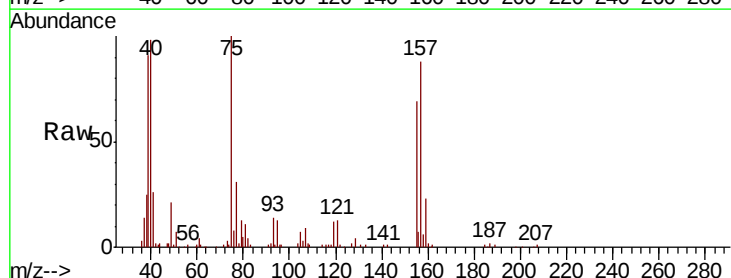
Instrument :
 MSVOA_W
 ClientSampled :
 BFB11

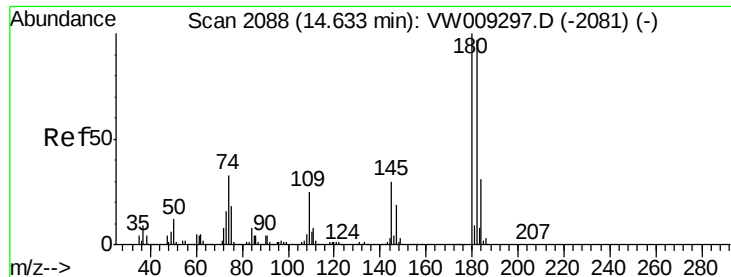
Tot Ion:146 Resp: 344767
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.5 50.3
 148 64.7 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.735 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion: 75 Resp: 29073
 Ion Ratio Lower Upper
 75 100
 157 87.9 89.0 133.4#
 155 69.4 64.2 96.2

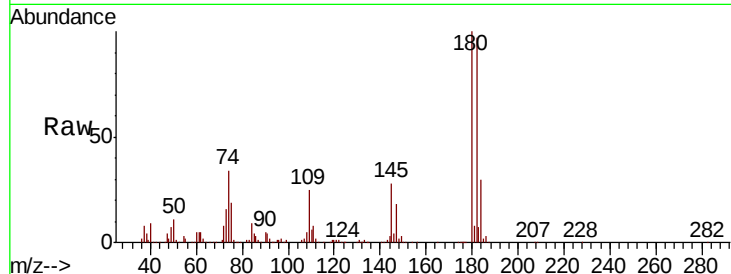




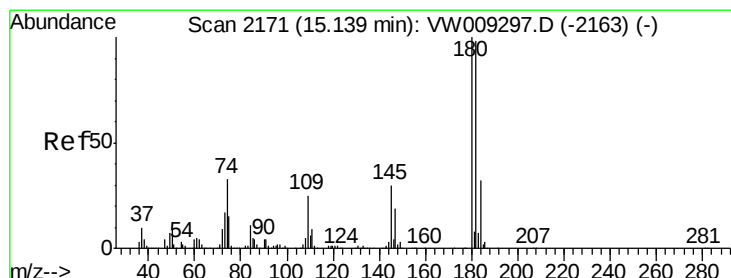
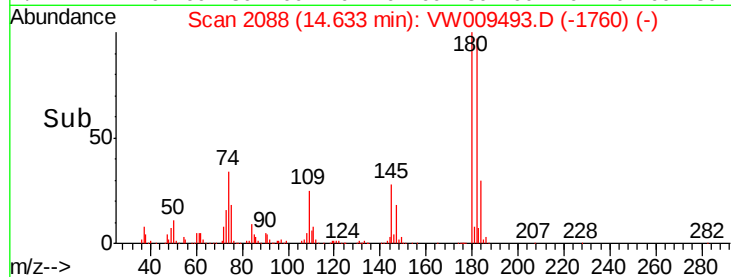
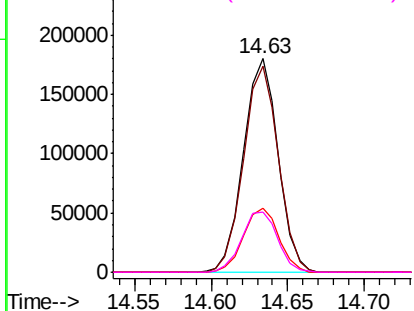
#67
 1,3,5-Trichlorobenzene
 Concen: 26.581 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Instrument :
 MSVOA_W
 ClientSampled :
 BFB11

Tot Ion:180 Resp: 283666
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.1 114.1
 184 30.6 23.8 35.6
 145 29.2 23.4 35.2

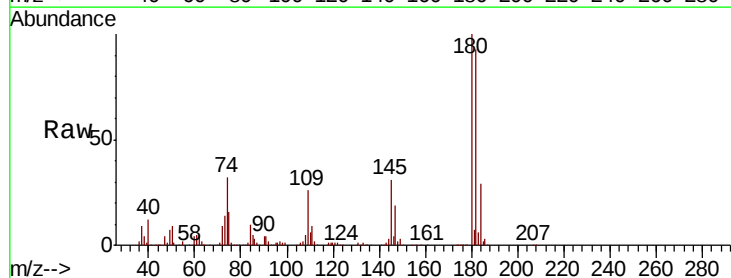


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

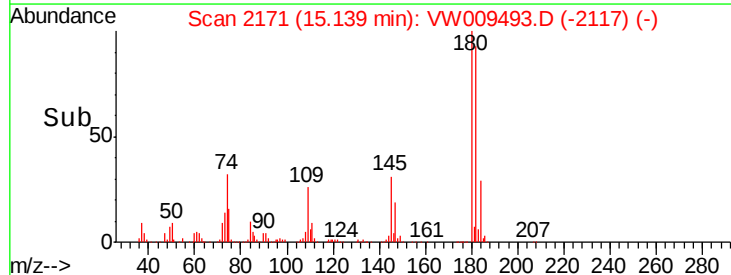
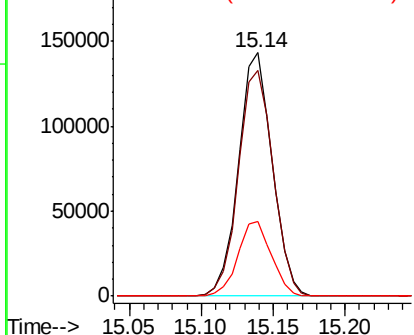


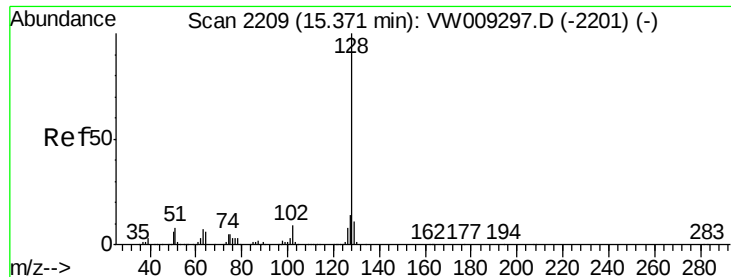
#68
 1,2,4-trichlorobenzene
 Concen: 25.852 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009493.D
 Acq: 27 Mar 2019 10:16

Tgt Ion:180 Resp: 231740
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.5 113.3
 145 30.5 24.1 36.1



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





#69

Naphthalene

Concen: 24.321 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

BFB11

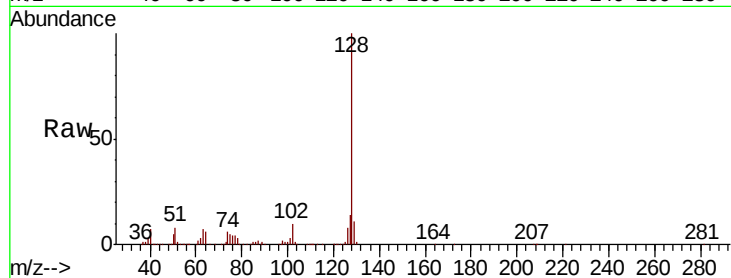
Tot Ion:128 Resp: 452004

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

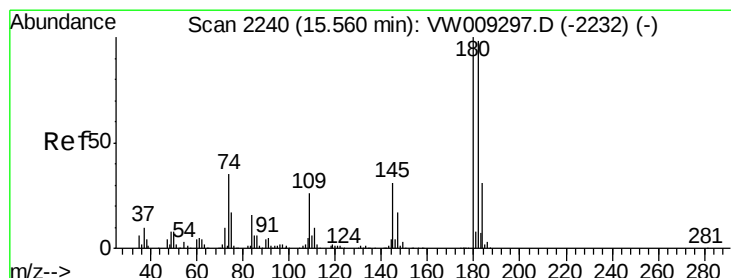
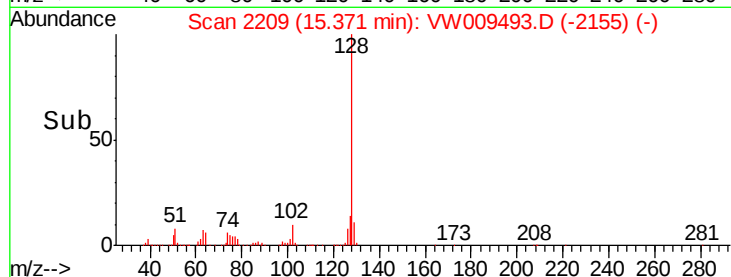
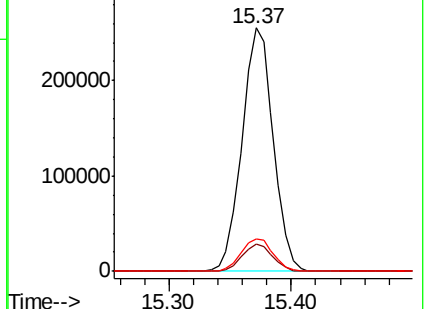
127 13.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.618 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009493.D

Acq: 27 Mar 2019 10:16

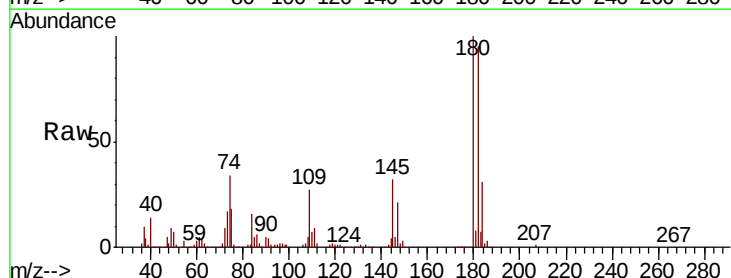
Tgt Ion:180 Resp: 215094

Ion Ratio Lower Upper

180 100

182 95.2 77.2 115.8

145 31.3 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

