

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050119\
 Data File : VW010228.D
 Acq On : 30 Apr 2019 23:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: May 01 07:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 03:52:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	633599	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	610331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	296416	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131785	18.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.32%
7) Chloroethane-d5	2.89	69	121507	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
10) 1,1-Dichloroethene-d2	4.02	63	351111	21.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.88%
20) 2-Butanone-d5	7.08	46	143404	54.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.18%
24) Chloroform-d	7.64	84	399573	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.30	65	240176	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.84%
29) Benzene-d6	8.27	84	724223	22.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.16%
33) 1,2-Dichloropropane-d6	9.27	67	240781	23.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.80%
37) Toluene-d8	10.32	98	644019	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.57	79	106387	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.93	63	114929	53.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	217535	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	239209	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	186673	20.973 ug/L	99
3) Chloromethane	2.21	50	175867	23.478 ug/L	97
5) Vinyl chloride	2.37	62	203832	22.178 ug/L	95
6) Bromomethane	2.78	94	126283	24.059 ug/L	98
8) Chloroethane	2.93	64	130233	23.767 ug/L	99
9) Trichlorofluoromethane	3.25	101	104806	20.967 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	179392	23.476 ug/L	91
12) 1,1-Dichloroethene	4.03	96	183291	23.827 ug/L	94
13) Acetone	4.12	43	95609	45.635 ug/L	99
14) Carbon disulfide	4.38	76	525531	23.710 ug/L	99
15) Methyl Acetate	4.67	43	124909	27.460 ug/L	98
16) Methylene chloride	4.91	84	215827	20.471 ug/L	93
17) Methyl tert-butyl Ether	5.42	73	271923	27.192 ug/L	97
18) trans-1,2-Dichloroethene	5.41	96	204161	25.121 ug/L	94
19) 1,1-Dichloroethane	6.21	63	418716	27.754 ug/L	99
21) 2-Butanone	7.17	43	164042	55.833 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	235463	26.791 ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

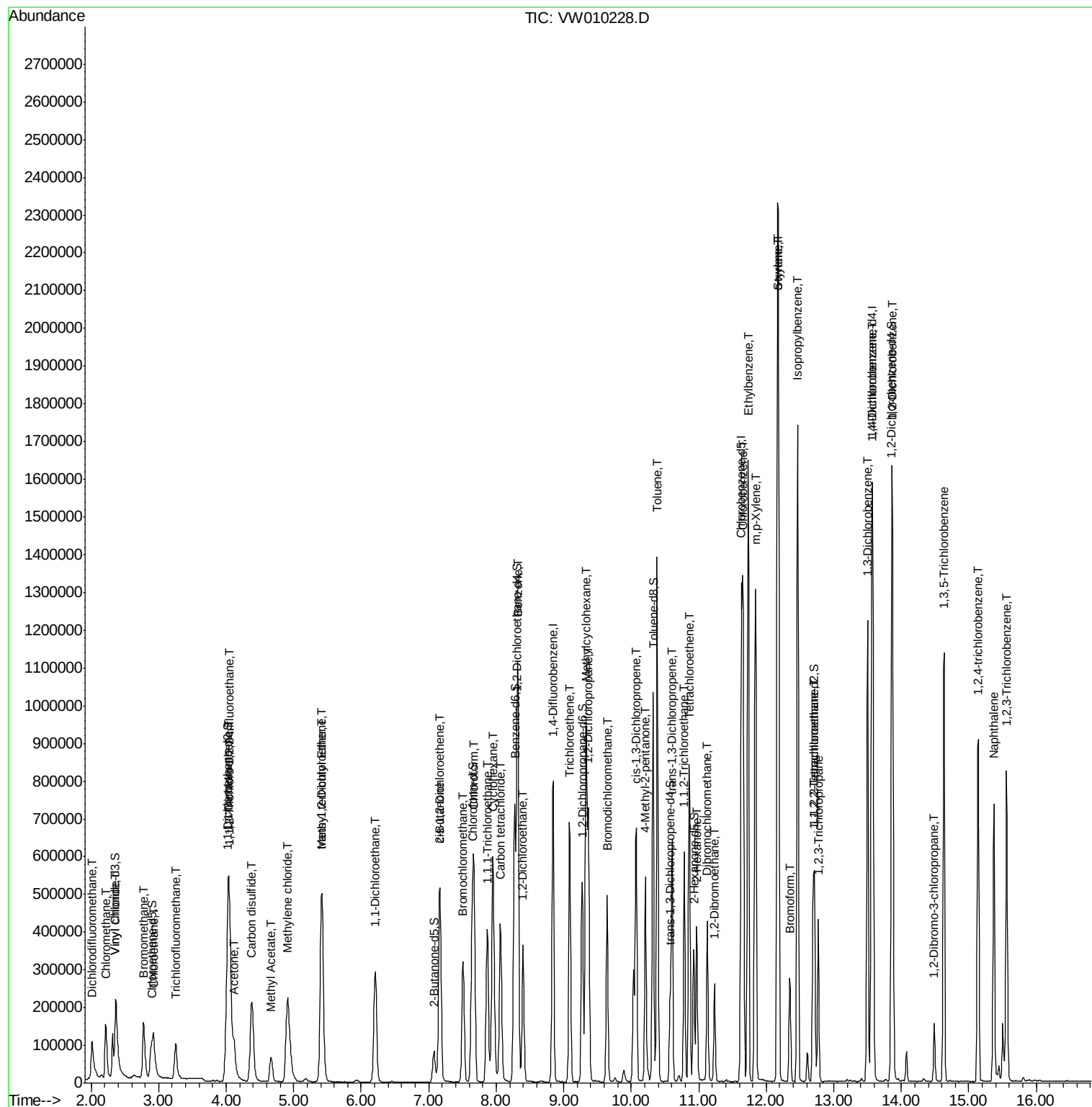
23) Bromochloromethane	7.51	128	103443	25.600	ug/L #	89
25) Chloroform	7.67	83	426361	27.581	ug/L	99
27) 1,2-Dichloroethane	8.40	62	319588	29.212	ug/L	97
30) Cyclohexane	7.95	56	346844	25.097	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	313074	24.551	ug/L	98
32) Carbon tetrachloride	8.06	117	302120	23.870	ug/L	99
34) Benzene	8.32	78	899958	26.277	ug/L	100
35) Trichloroethene	9.09	95	228876	25.063	ug/L	96
36) Methylcyclohexane	9.34	83	369346	24.303	ug/L	97
40) 1,2-Dichloropropane	9.37	63	240487	27.059	ug/L	99
41) Bromodichloromethane	9.64	83	318969	27.298	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	363979	26.327	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	374373	59.767	ug/L	96
44) Toluene	10.38	91	965342	26.335	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	319001	26.522	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	176792	26.615	ug/L	98
47) Tetrachloroethene	10.86	164	169411	22.356	ug/L	99
49) 2-Hexanone	10.97	43	261754	58.455	ug/L	98
50) Dibromochloromethane	11.13	129	210702	25.544	ug/L	96
51) 1,2-Dibromoethane	11.23	107	168308	25.882	ug/L	96
52) Chlorobenzene	11.66	112	610564	25.428	ug/L	98
53) Ethylbenzene	11.73	91	1094600	26.375	ug/L	100
54) m,p-Xylene	11.84	106	400388	25.635	ug/L	99
55) o-xylene	12.16	106	392170	26.562	ug/L	100
56) Styrene	12.18	104	692891	27.099	ug/L	98
57) Isopropylbenzene	12.46	105	1045461	26.021	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	224217	27.104	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	169466	27.480	ug/L	99
62) Bromoform	12.35	173	117582	24.687	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	455473	25.443	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	474313	25.201	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	437893	25.969	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	38339	27.384	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	331370	24.058	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	273768	24.545	ug/L	99
69) Naphthalene	15.37	128	594595	26.033	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	258574	24.531	ug/L	99

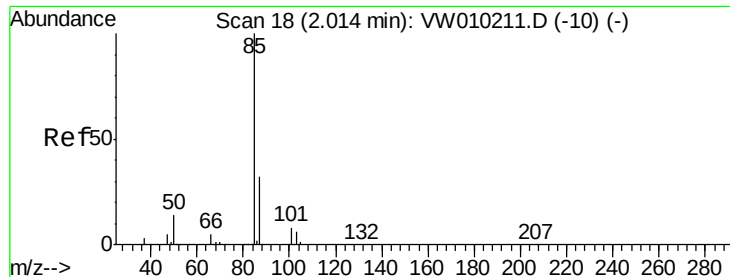
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.973 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

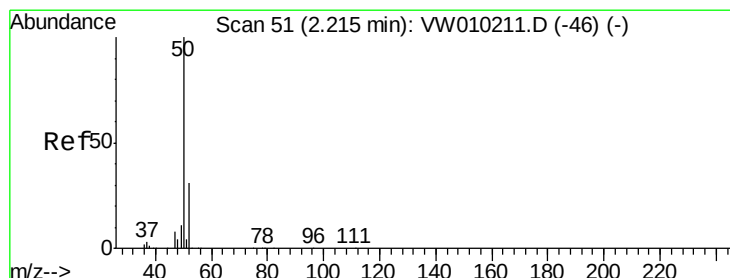
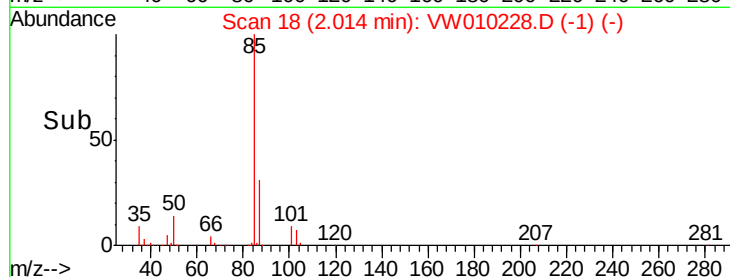
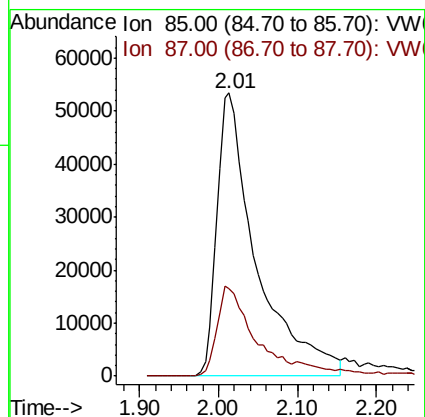
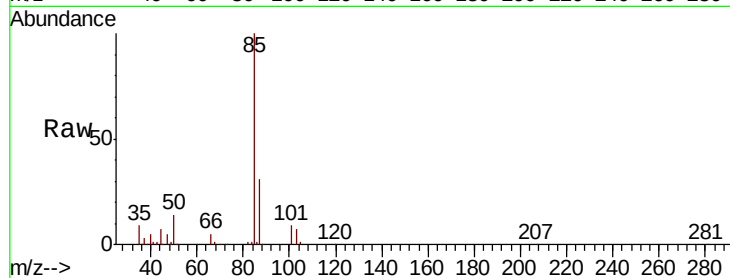
VSTD02530

Tgt Ion: 85 Resp: 186673

Ion Ratio Lower Upper

85 100

87 28.6 20.6 38.2



#3

Chloromethane

Concen: 23.478 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010228.D

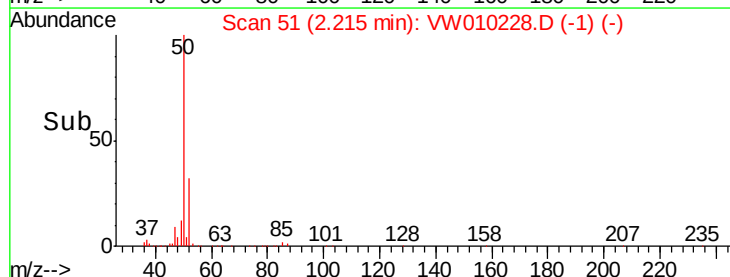
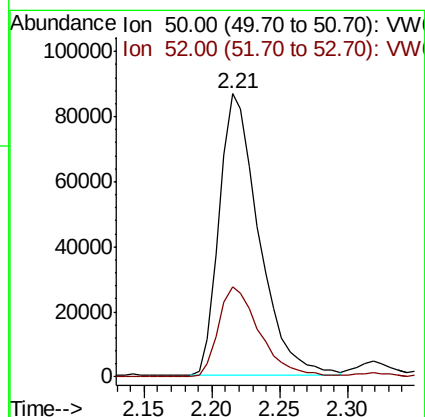
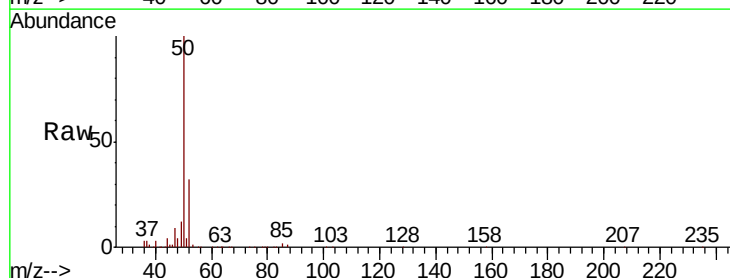
Acq: 30 Apr 2019 23:58

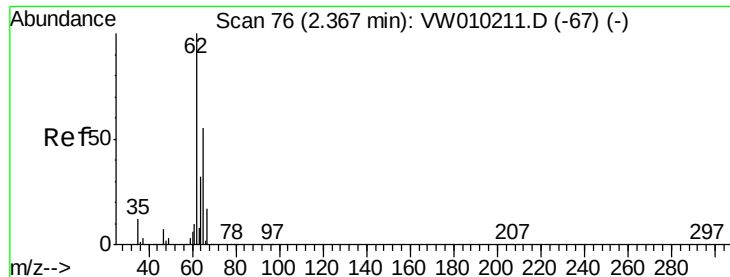
Tgt Ion: 50 Resp: 175867

Ion Ratio Lower Upper

50 100

52 32.0 23.6 43.8





#5

Vinyl chloride

Concen: 22.178 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

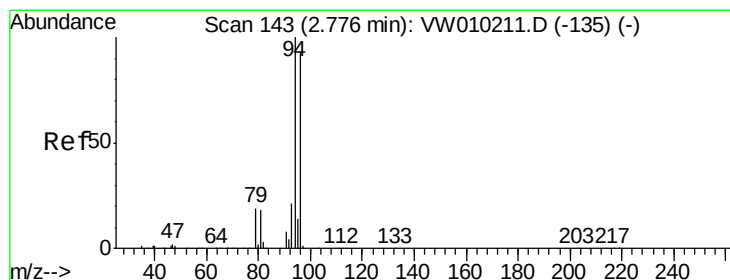
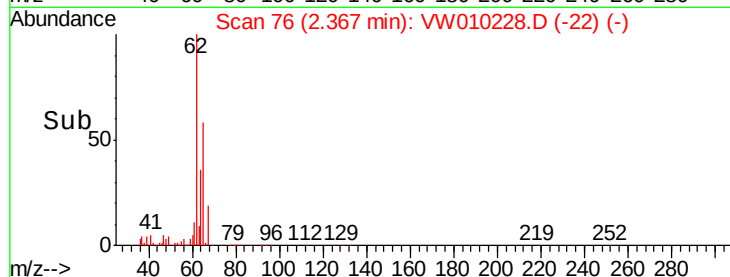
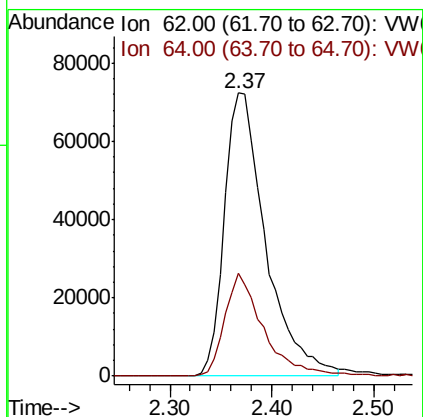
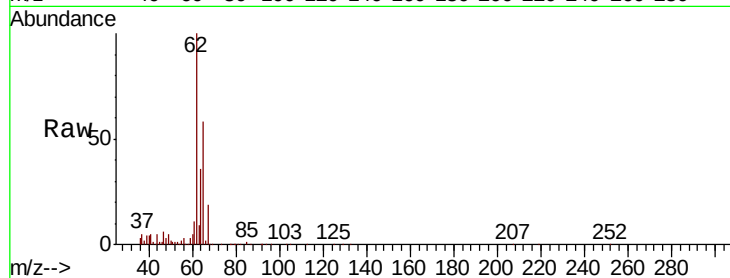
VSTD02530

Tgt Ion: 62 Resp: 203832

Ion Ratio Lower Upper

62 100

64 36.2 23.3 43.3



#6

Bromomethane

Concen: 24.059 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010228.D

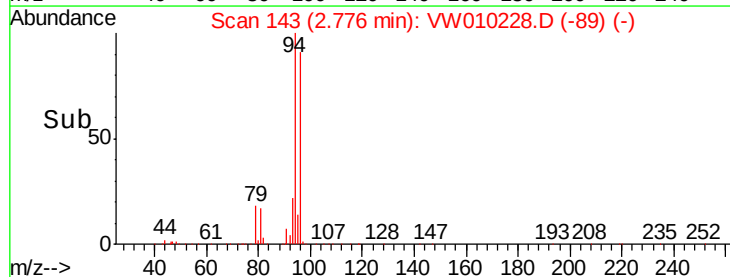
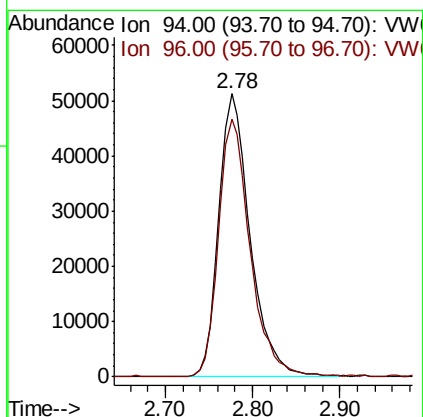
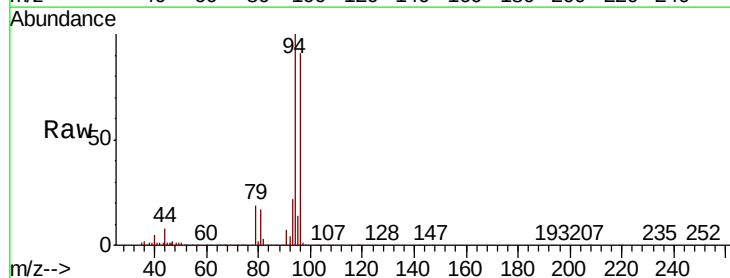
Acq: 30 Apr 2019 23:58

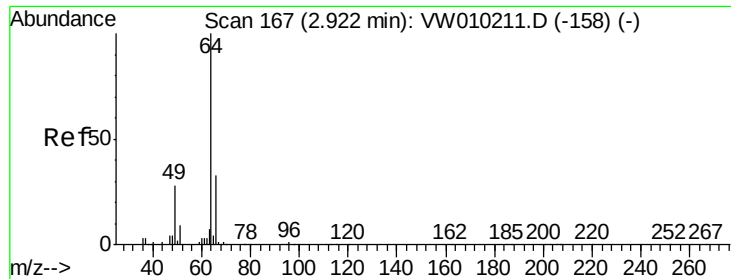
Tgt Ion: 94 Resp: 126283

Ion Ratio Lower Upper

94 100

96 93.0 9.5 180.3

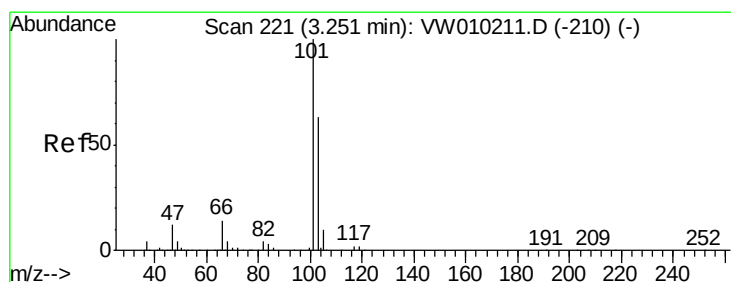
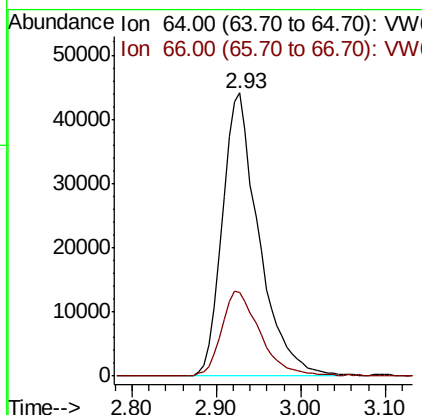
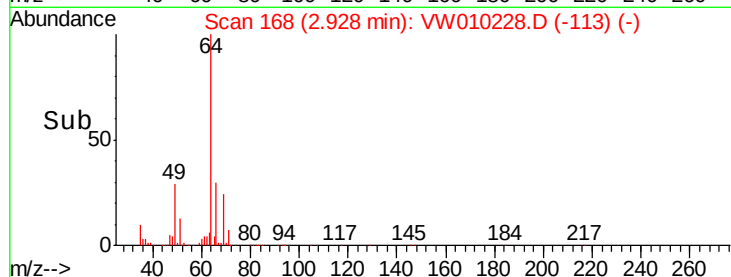
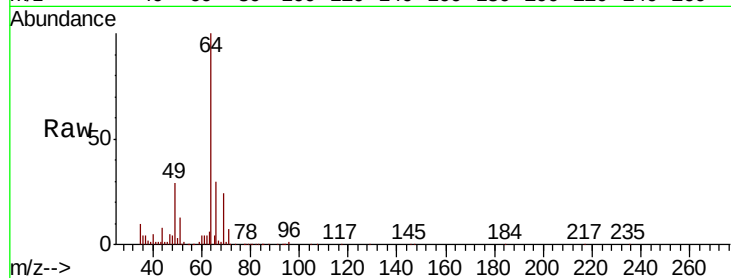




#8
Chloroethane
Concen: 23.767 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

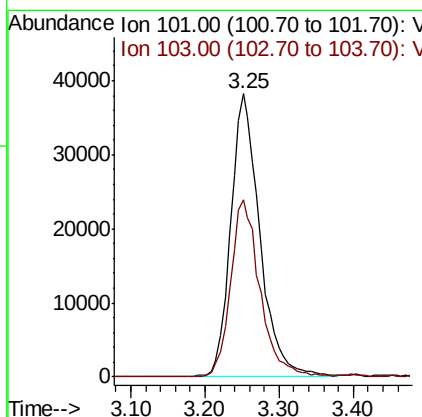
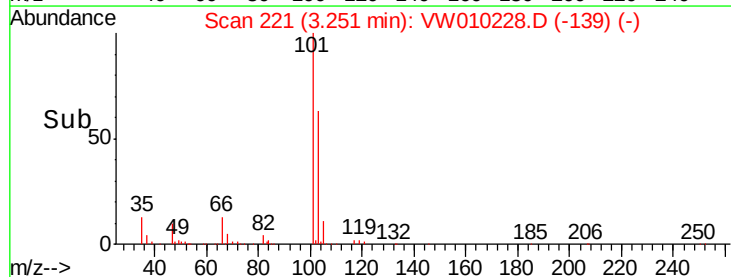
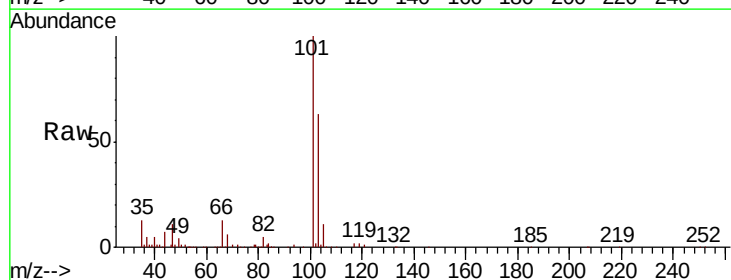
Instrument :
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VSTD02530

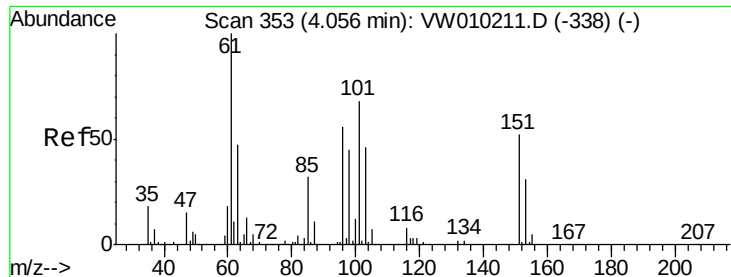
Tgt Ion: 64 Resp: 130233
Ion Ratio Lower Upper
64 100
66 29.7 21.3 39.5



#9
Trichlorofluoromethane
Concen: 20.967 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion: 101 Resp: 104806
Ion Ratio Lower Upper
101 100
103 62.7 45.5 84.5





#11

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

Concen: 23.476 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

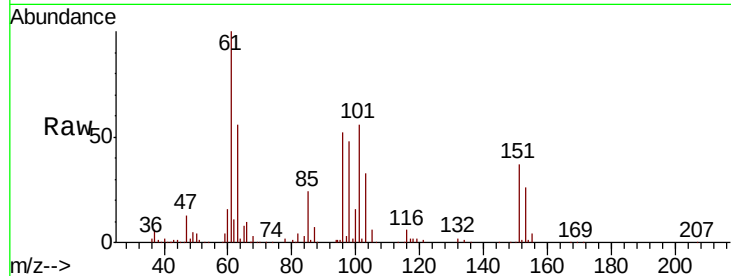
Tgt Ion: 101 Resp: 179392

Ion Ratio Lower Upper

101 100

85 44.9 33.8 50.6

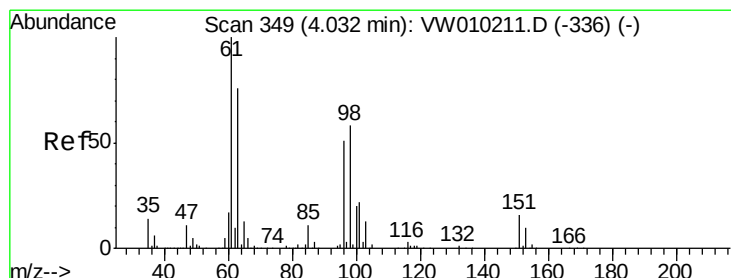
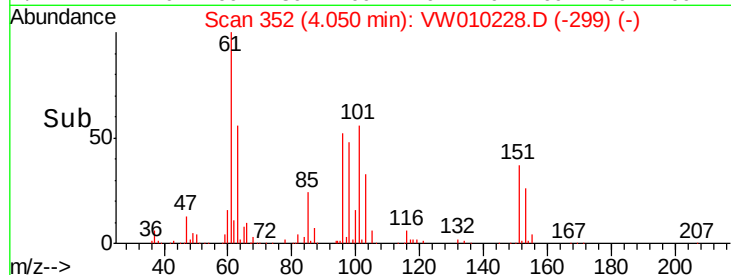
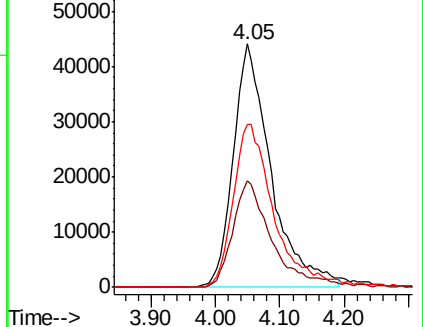
151 68.7 62.6 93.8



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: 23.827 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

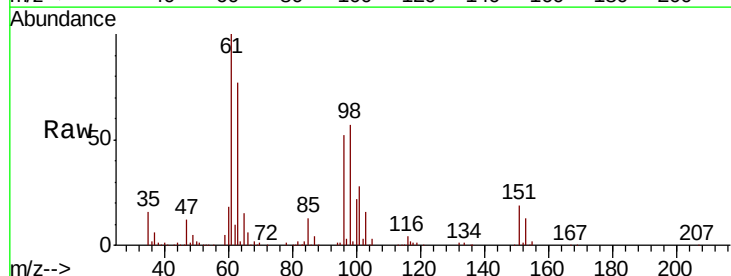
Tgt Ion: 96 Resp: 183291

Ion Ratio Lower Upper

96 100

61 192.1 125.2 232.6

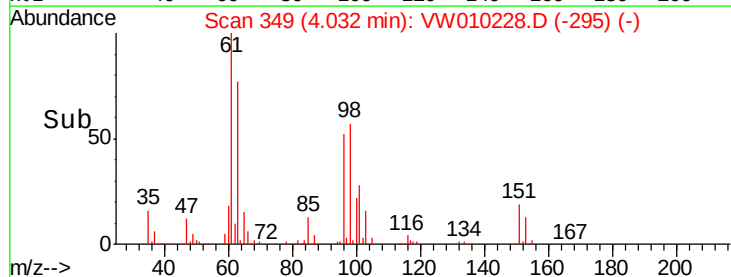
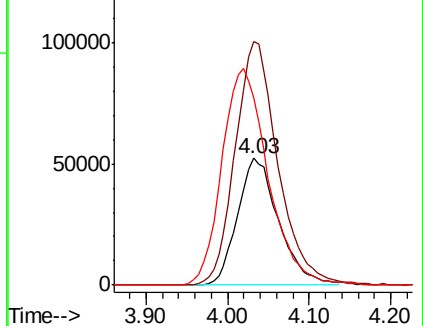
63 147.9 106.3 197.3

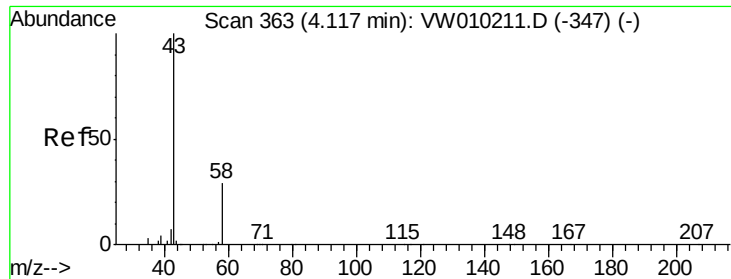


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.635 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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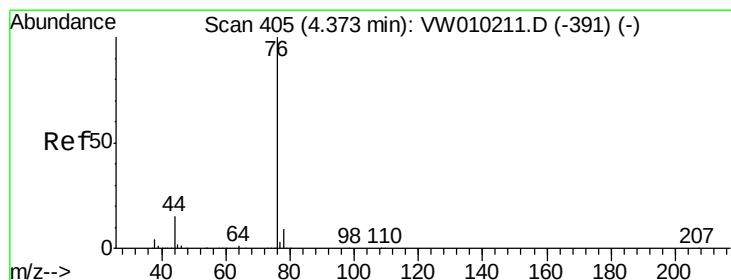
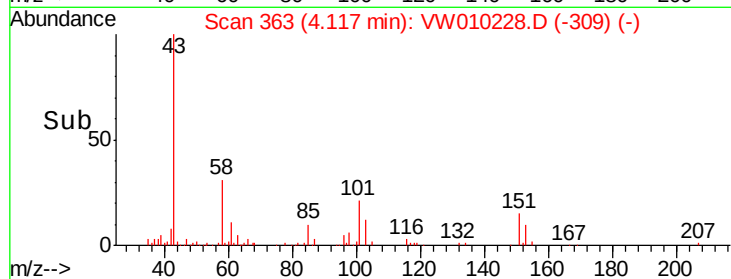
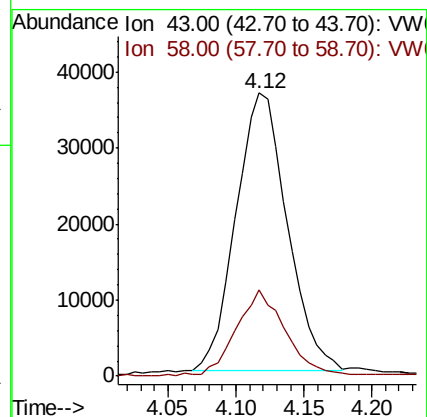
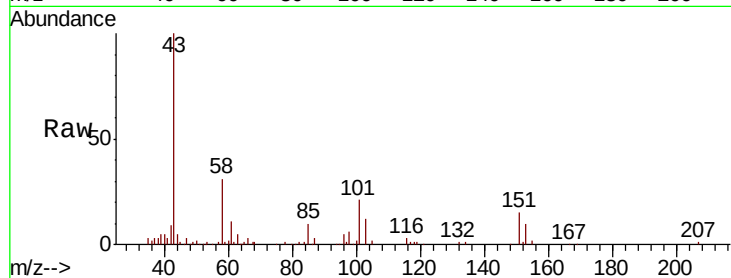
VSTD02530

Tgt Ion: 43 Resp: 95609

Ion Ratio Lower Upper

43 100

58 29.4 0.0 59.8



#14

Carbon disulfide

Concen: 23.710 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010228.D

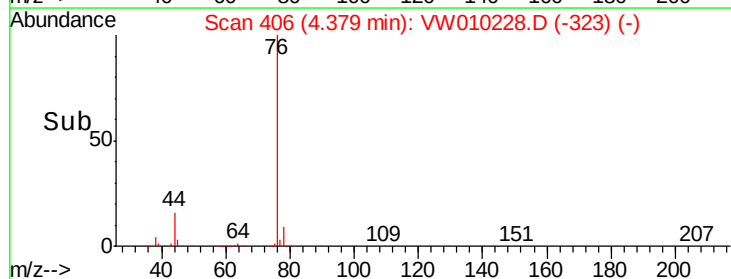
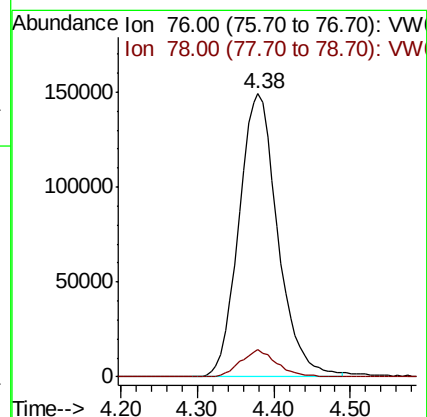
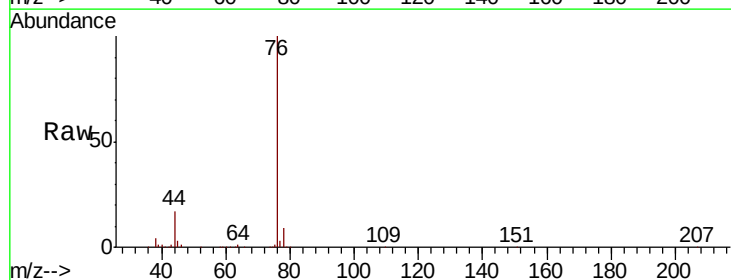
Acq: 30 Apr 2019 23:58

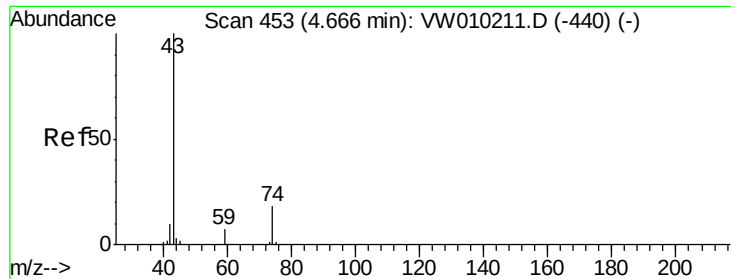
Tgt Ion: 76 Resp: 525531

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

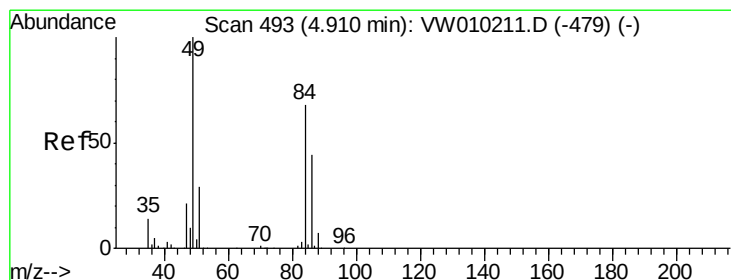
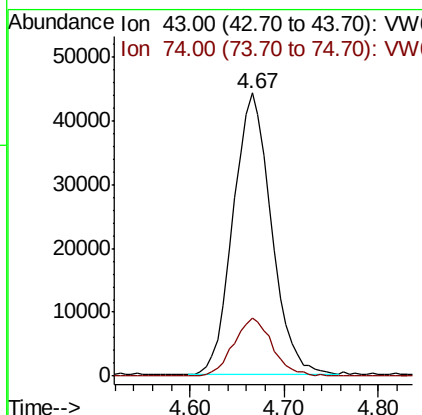
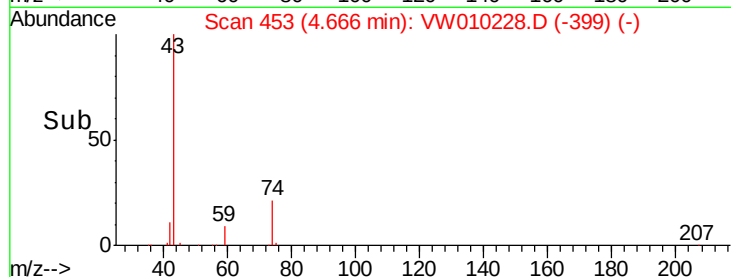
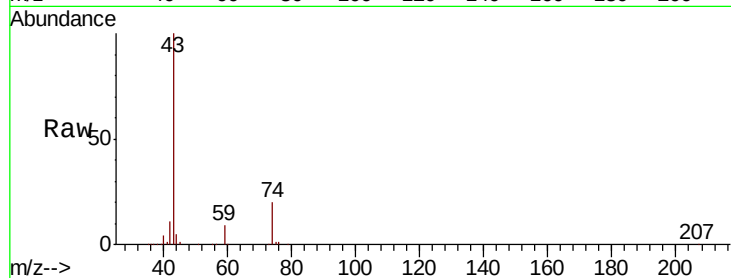




#15
Methyl Acetate
Concen: 27.460 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

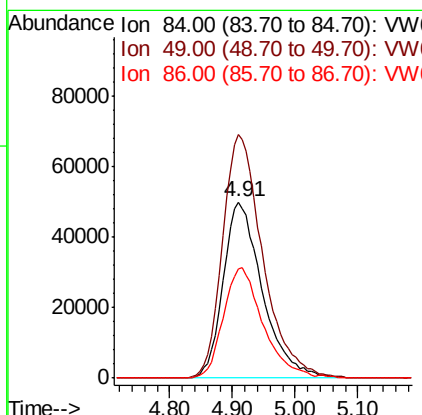
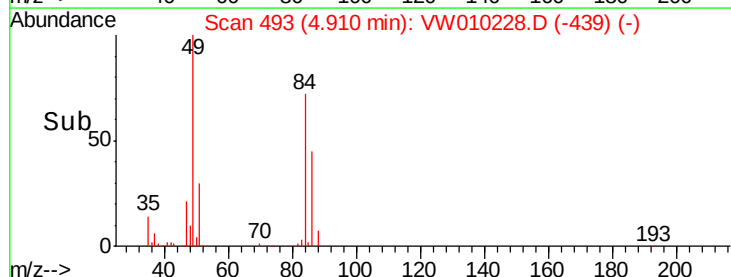
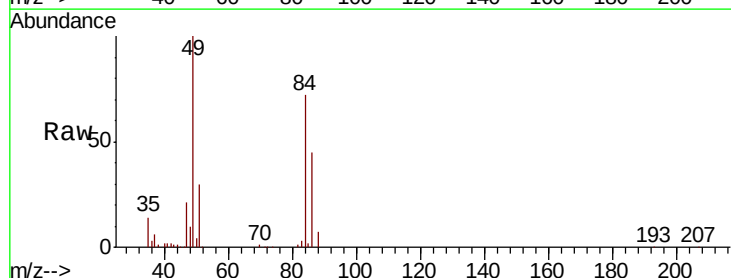
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

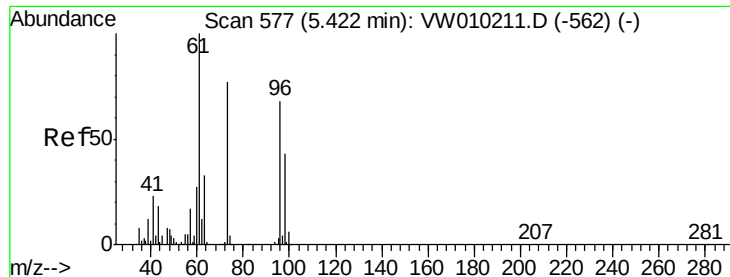
Tgt Ion: 43 Resp: 124909
Ion Ratio Lower Upper
43 100
74 20.8 17.5 26.3



#16
Methylene chloride
Concen: 20.471 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion: 84 Resp: 215827
Ion Ratio Lower Upper
84 100
49 138.3 90.2 167.6
86 62.0 46.3 86.1

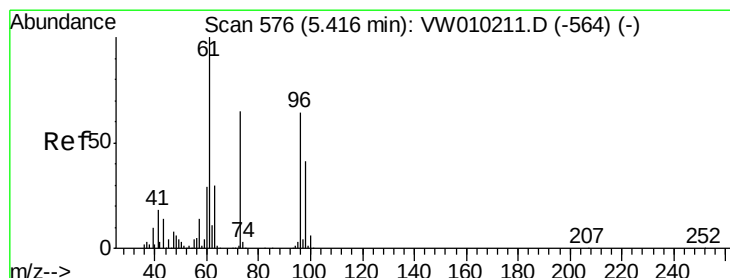
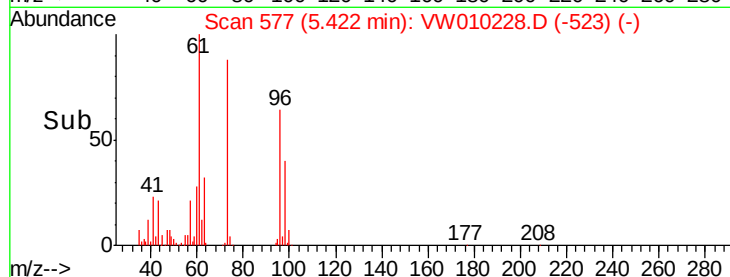
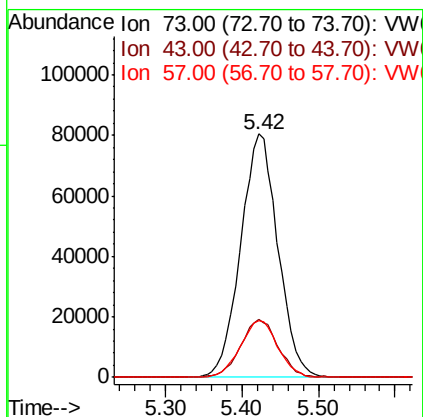
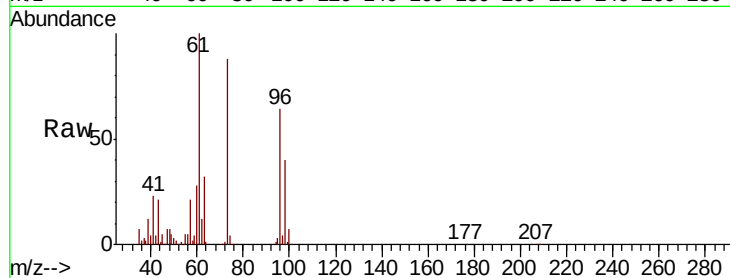




#17
Methyl tert-butyl Ether
Concen: 27.192 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

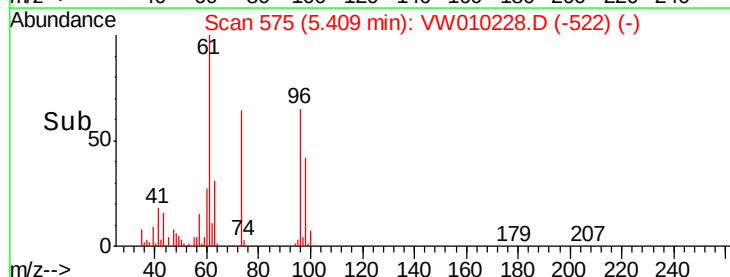
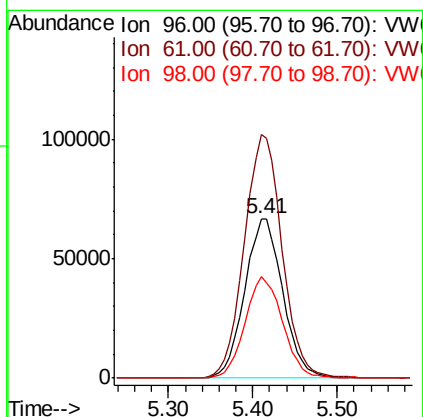
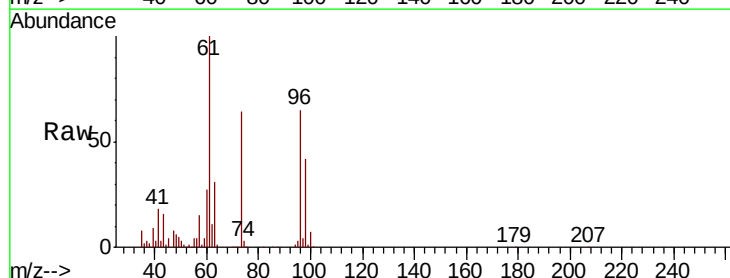
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

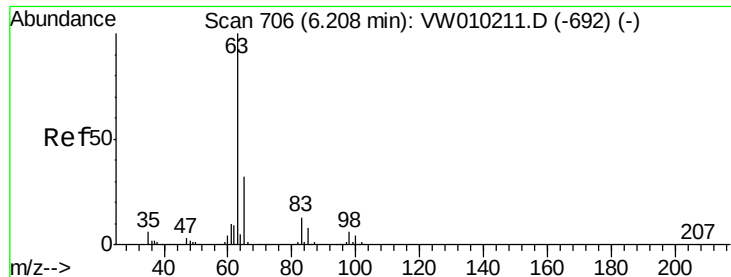
Tgt Ion: 73 Resp: 271923
Ion Ratio Lower Upper
73 100
43 23.7 17.5 26.3
57 23.5 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 25.121 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion: 96 Resp: 204161
Ion Ratio Lower Upper
96 100
61 152.7 99.4 184.6
98 63.8 44.8 83.2

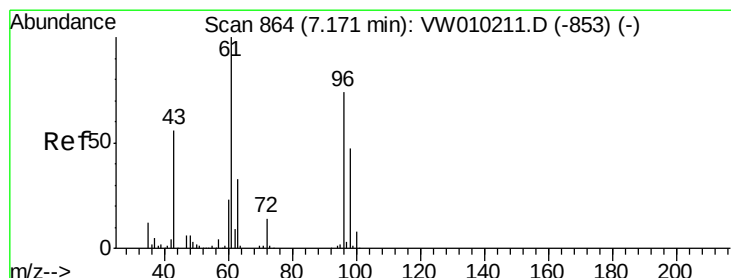
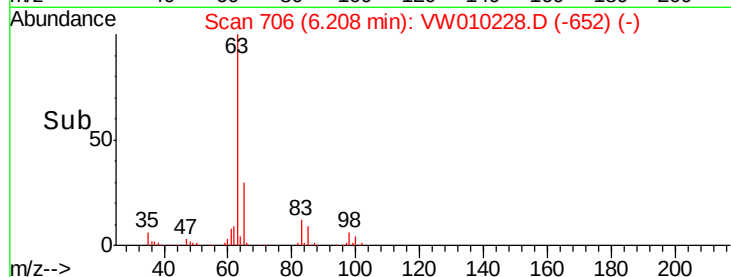
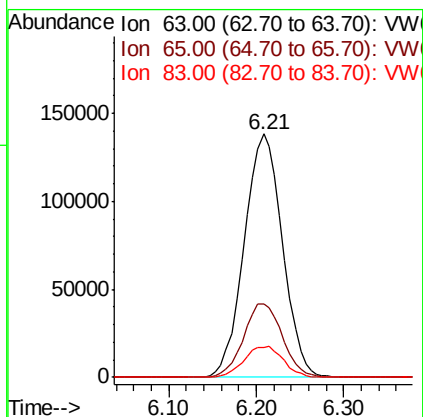
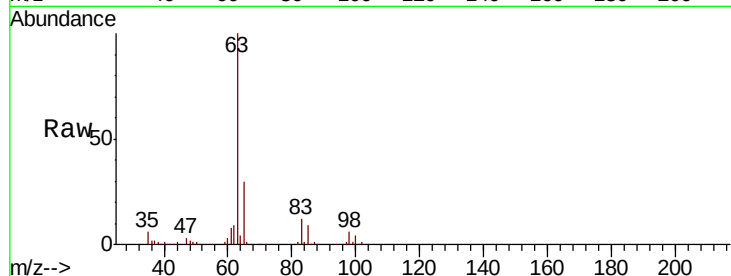




#19
 1,1-Dichloroethane
 Concen: 27.754 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

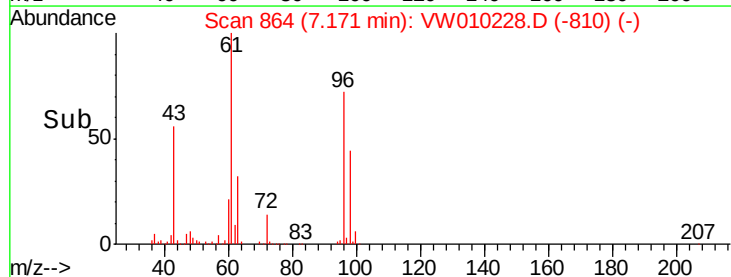
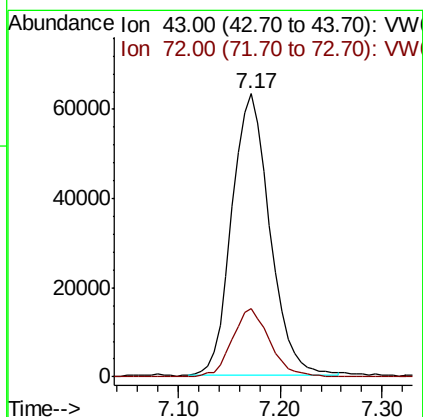
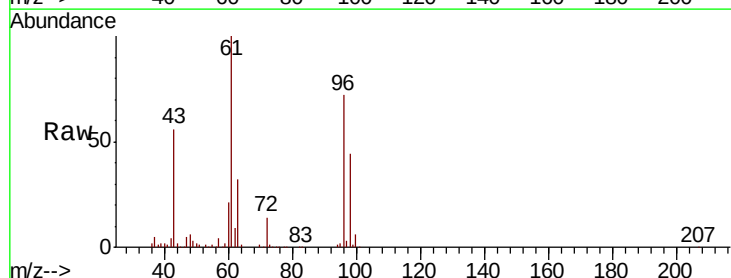
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

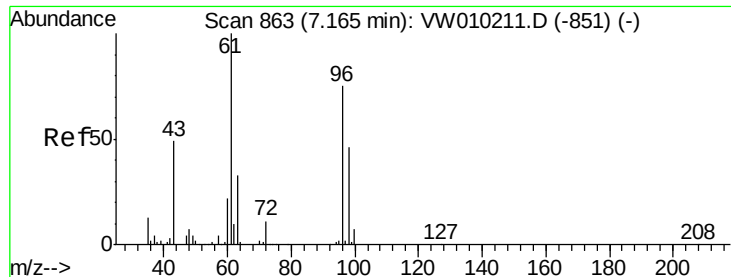
Tgt Ion: 63 Resp: 418716
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.0 40.8
 83 12.4 8.8 16.4



#21
 2-Butanone
 Concen: 55.833 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion: 43 Resp: 164042
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.8 38.3



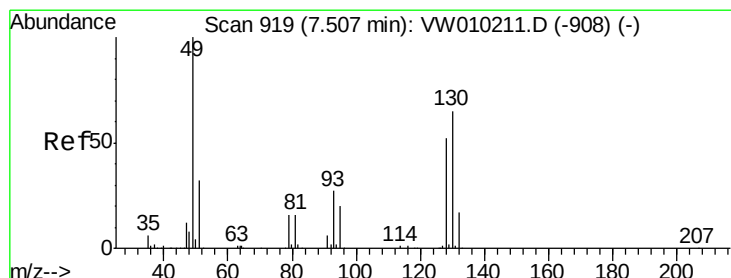
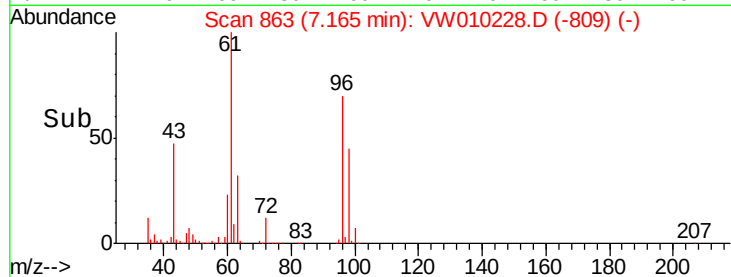
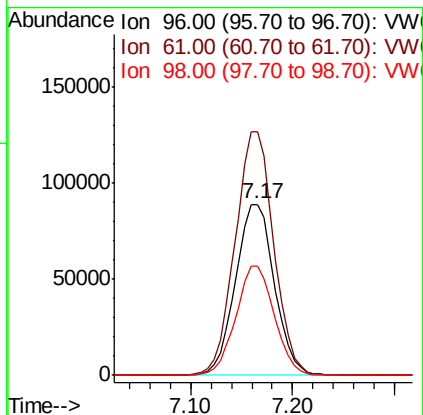
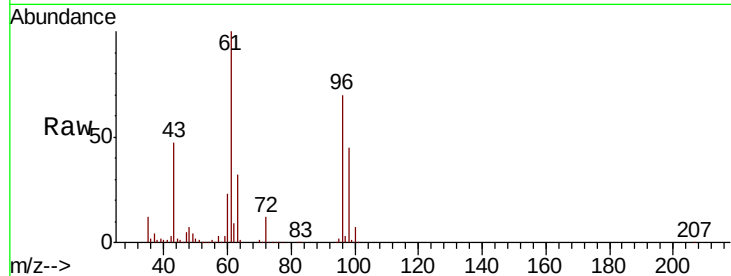


#22

cis-1,2-Dichloroethene
 Concen: 26.791 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

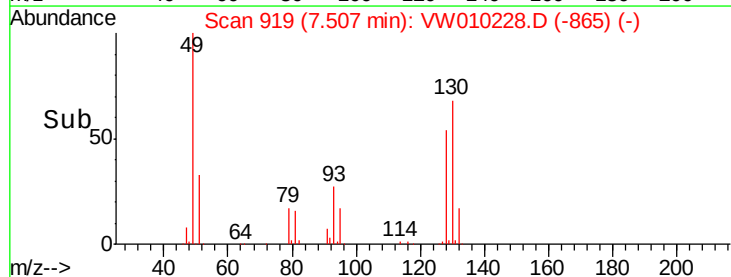
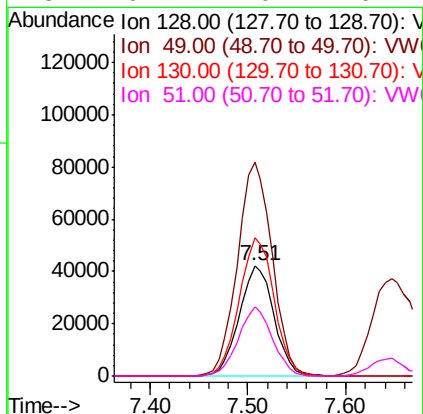
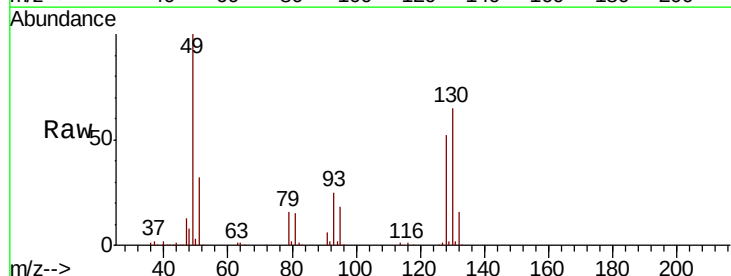
Tgt Ion	Resp	Lower	Upper
96	235463		
61	142.3	90.0	167.2
98	63.5	42.8	79.6

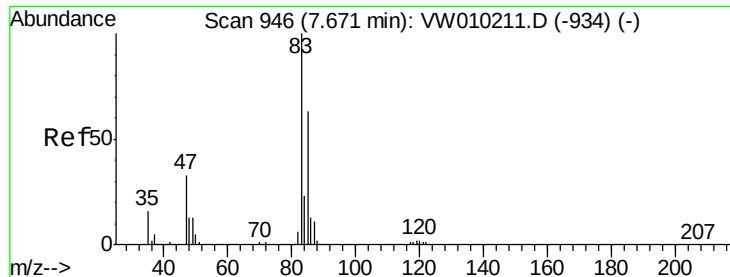


#23

Bromochloromethane
 Concen: 25.600 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion	Resp	Lower	Upper
128	103443		
49	193.6	121.7	225.9
130	125.6	91.1	169.1
51	62.4	40.7	61.1#





#25

Chloroform

Concen: 27.581 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

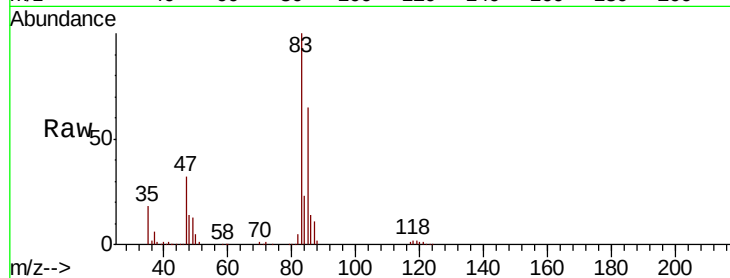
VSTD02530

Tgt Ion: 83 Resp: 426361

Ion Ratio Lower Upper

83 100

85 65.1 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

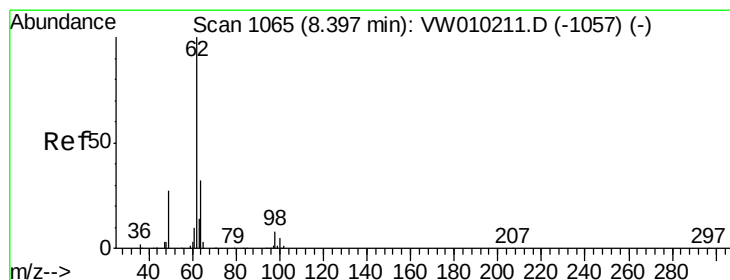
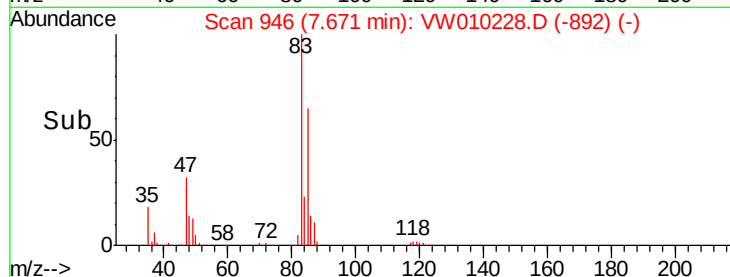
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 29.212 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010228.D

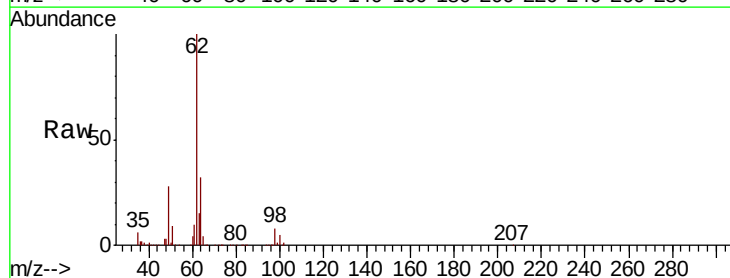
Acq: 30 Apr 2019 23:58

Tgt Ion: 62 Resp: 319588

Ion Ratio Lower Upper

62 100

98 7.7 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

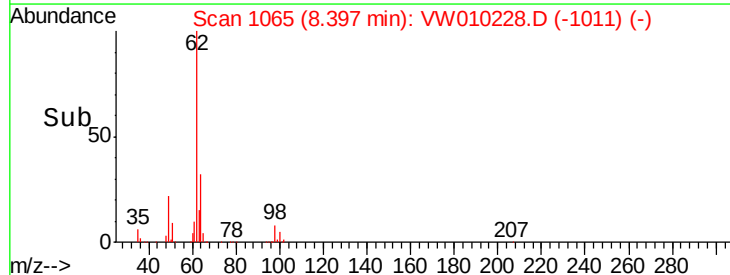
150000

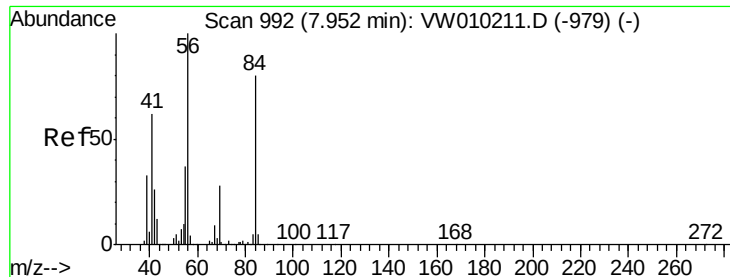
100000

50000

0

Time-->

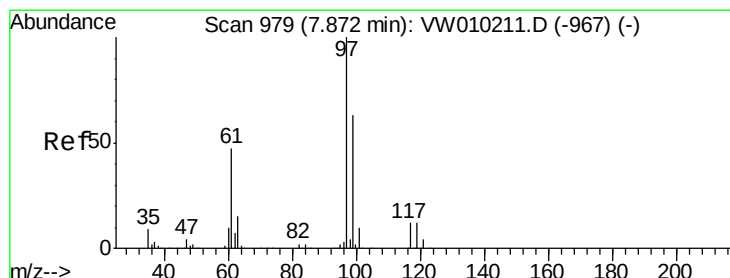
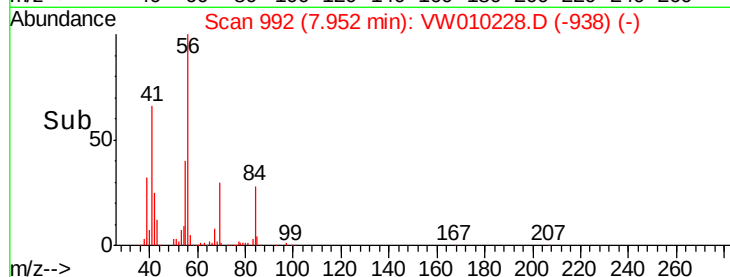
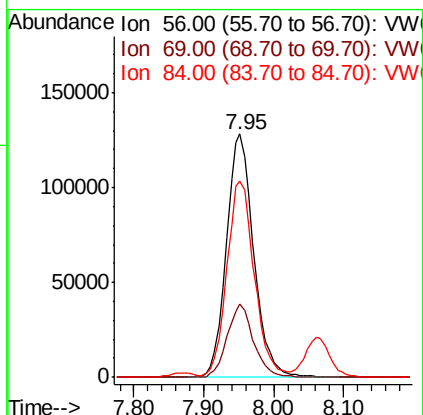
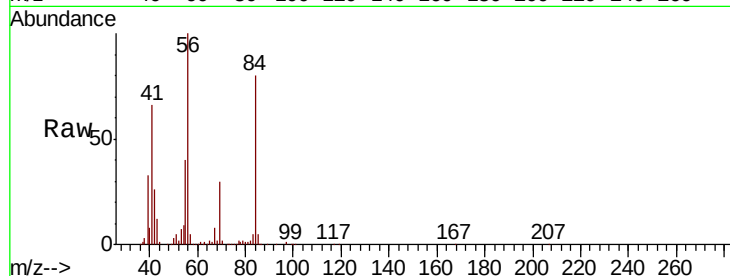




#30
Cyclohexane
Concen: 25.097 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

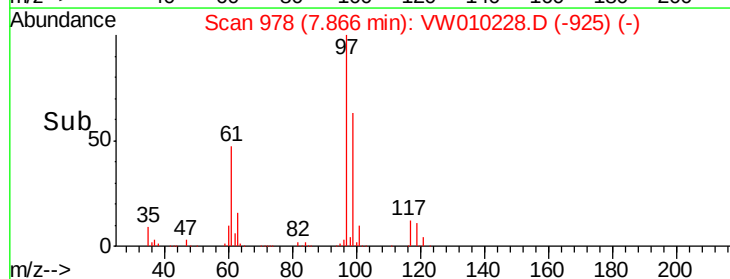
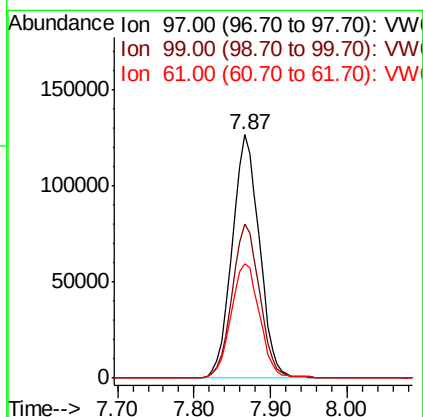
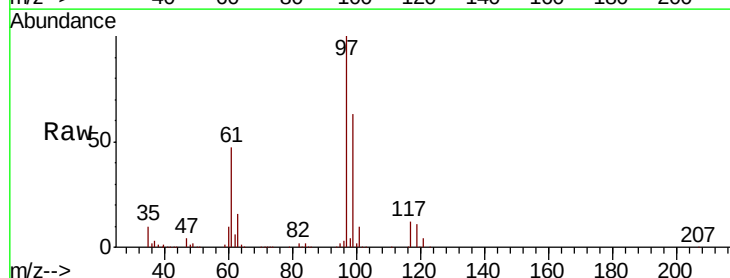
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

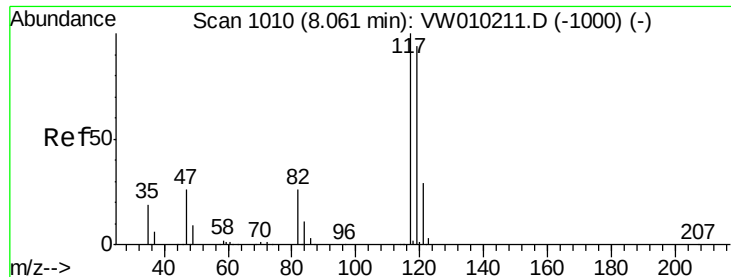
Tgt Ion: 56 Resp: 346844
Ion Ratio Lower Upper
56 100
69 29.2 23.4 35.2
84 81.5 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 24.551 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion: 97 Resp: 313074
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 49.0 36.2 54.4





#32

Carbon tetrachloride

Concen: 23.870 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

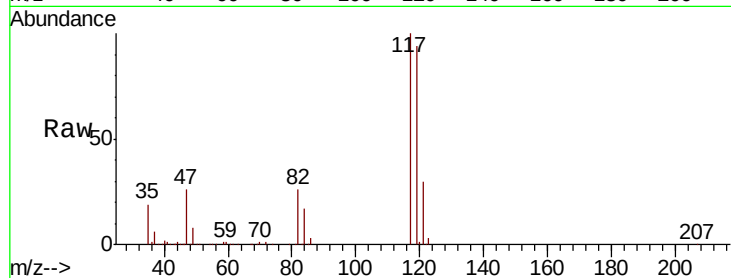
VSTD02530

Tgt Ion:117 Resp: 302120

Ion Ratio Lower Upper

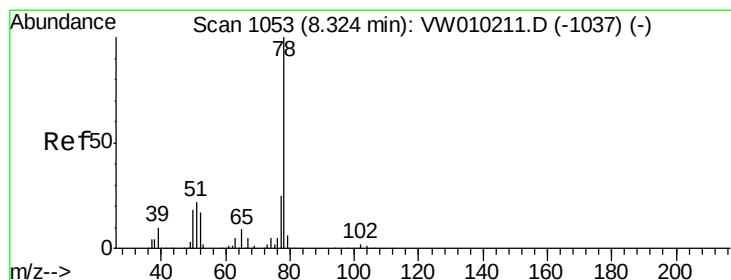
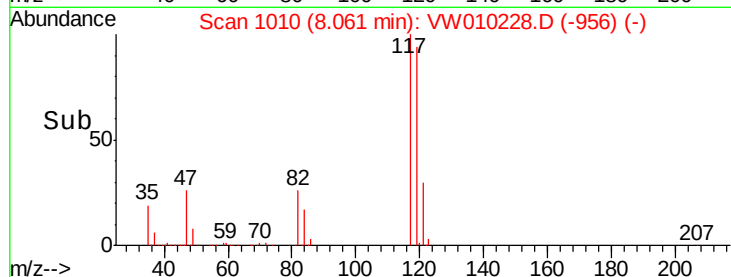
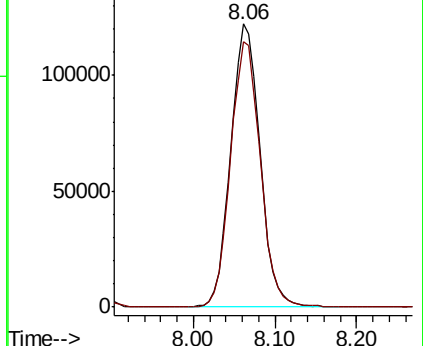
117 100

119 95.1 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.277 ug/L

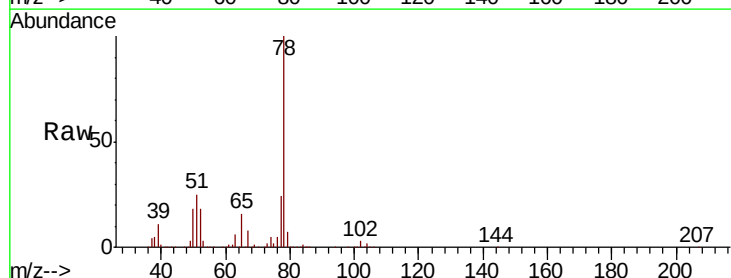
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

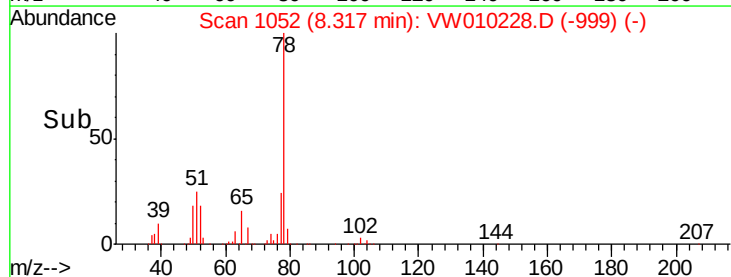
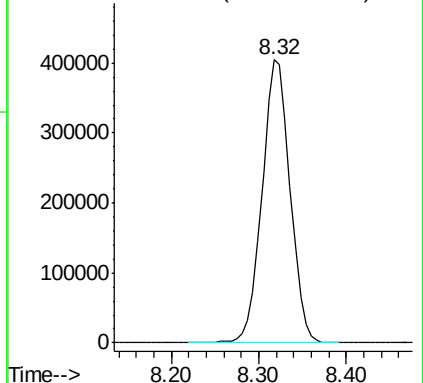
Lab File: VW010228.D

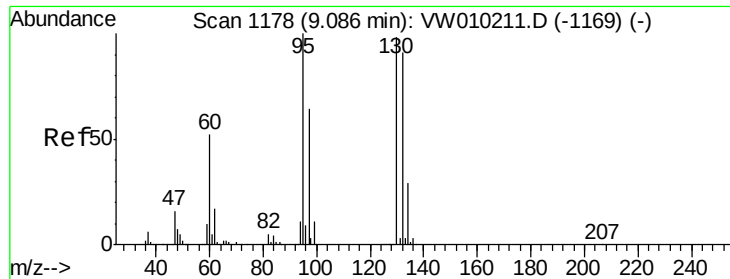
Acq: 30 Apr 2019 23:58

Tgt Ion: 78 Resp: 899958



Abundance Ion 78.00 (77.70 to 78.70): VW

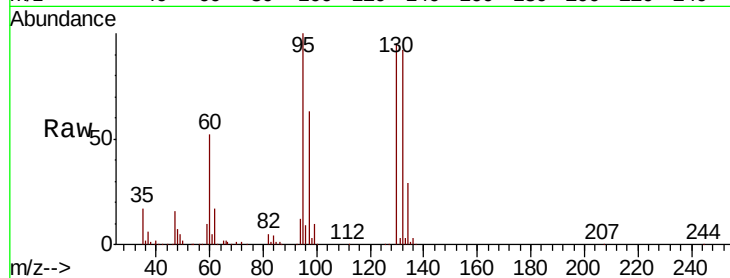




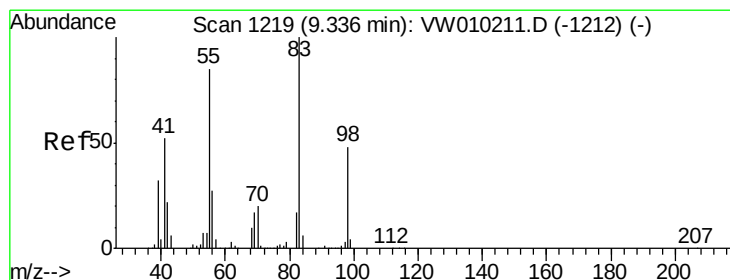
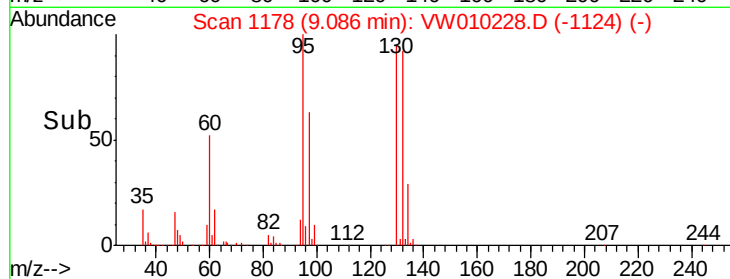
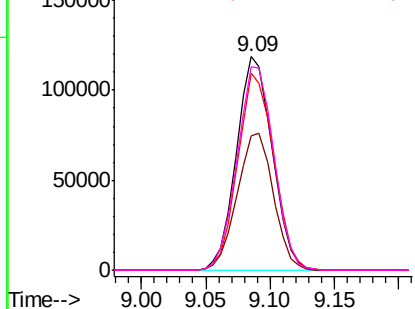
#35
 Trichloroethene
 Concen: 25.063 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion:	95	Resp:	228876
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.4	84.2
132	92.8	69.2	128.6
130	97.6	72.2	134.2

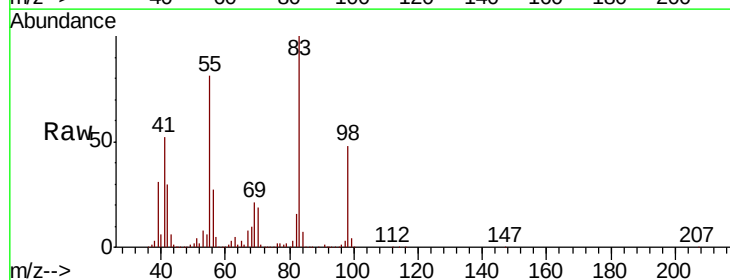


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

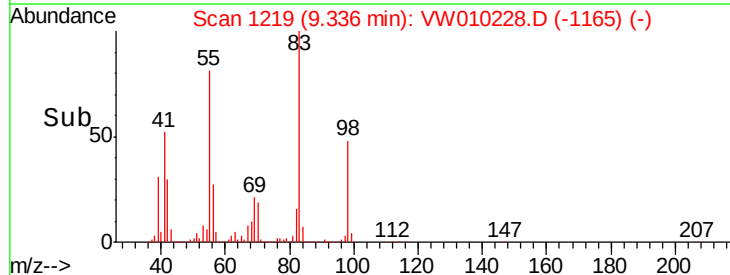
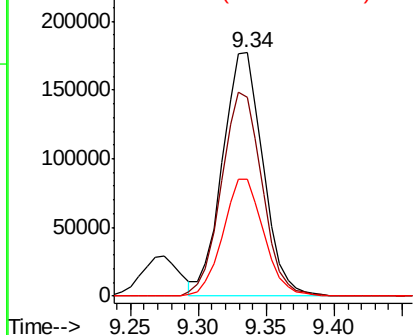


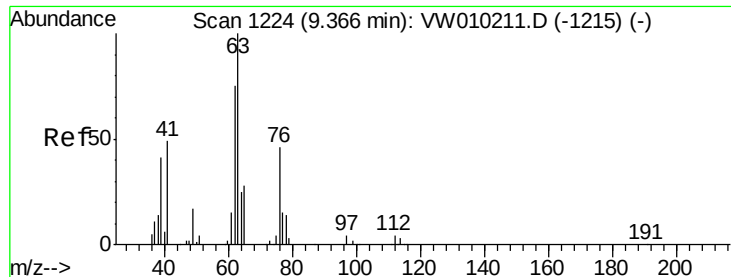
#36
 Methylcyclohexane
 Concen: 24.303 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion:	83	Resp:	369346
Ion	Ratio	Lower	Upper
83	100		
55	83.6	64.5	96.7
98	48.4	39.4	59.2



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: 27.059 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampled :

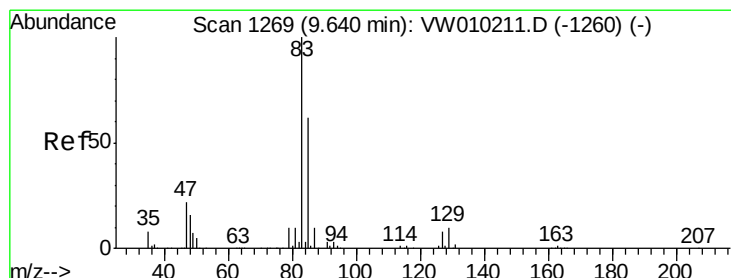
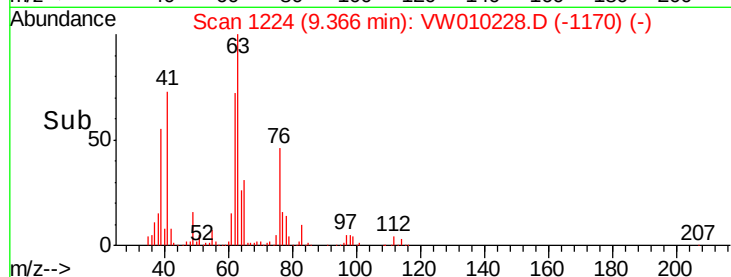
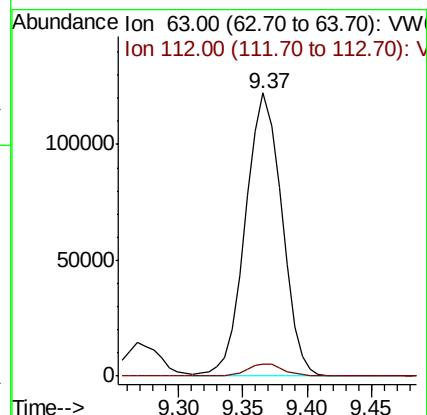
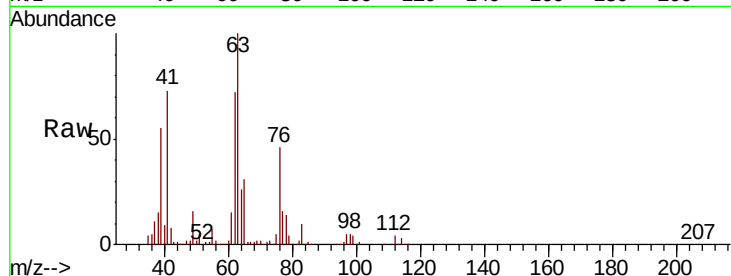
VSTD02530

Tgt Ion: 63 Resp: 240487

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#41

Bromodichloromethane

Concen: 27.298 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

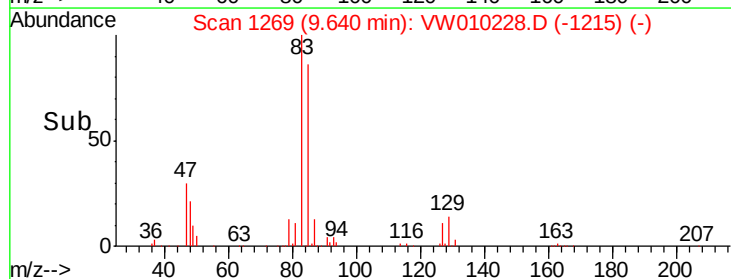
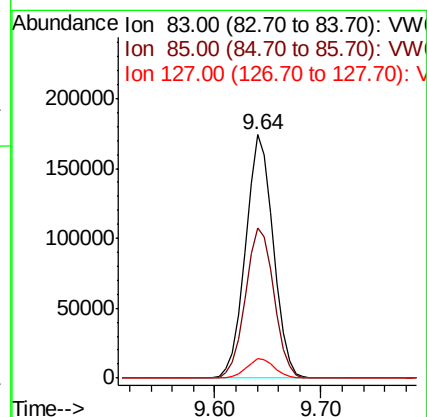
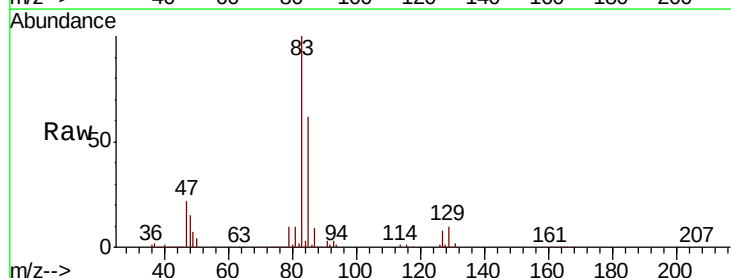
Tgt Ion: 83 Resp: 318969

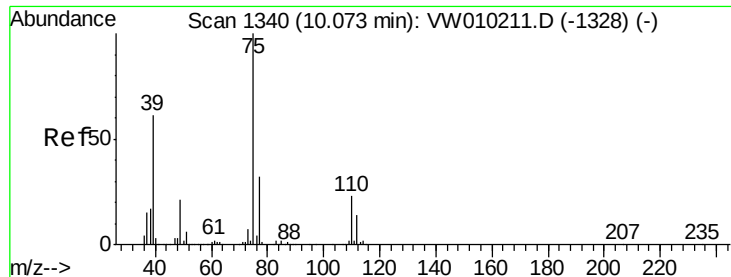
Ion Ratio Lower Upper

83 100

85 61.5 45.8 85.0

127 8.0 6.6 10.0

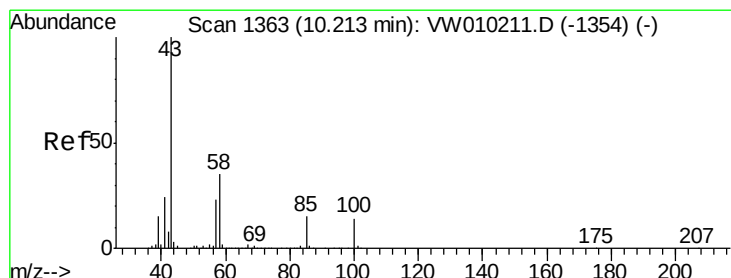
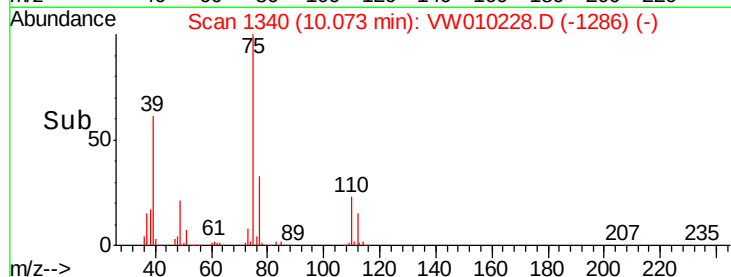
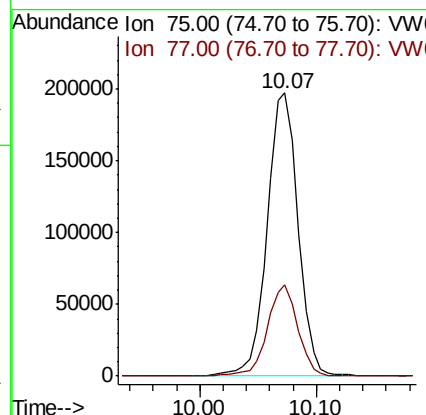
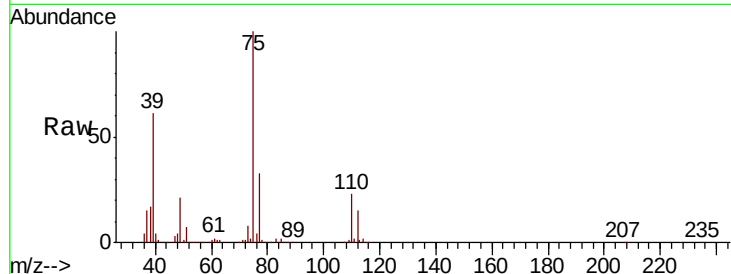




#42
 cis-1,3-Dichloropropene
 Concen: 26.327 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

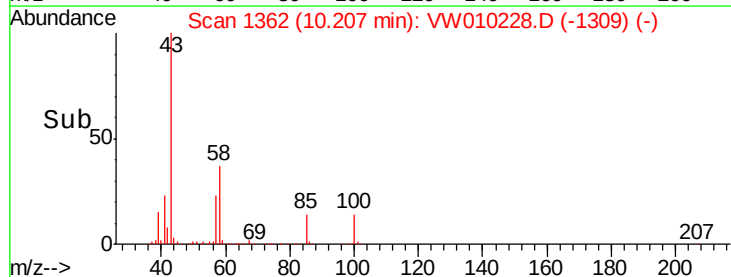
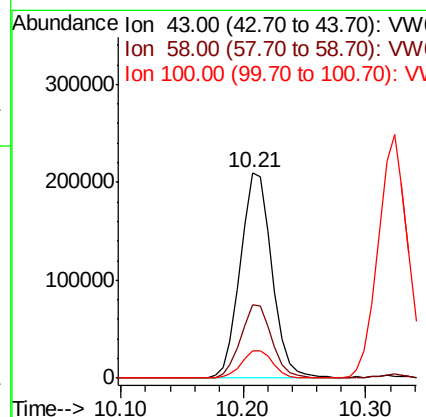
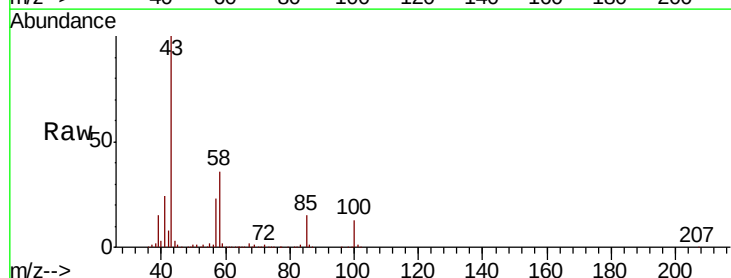
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

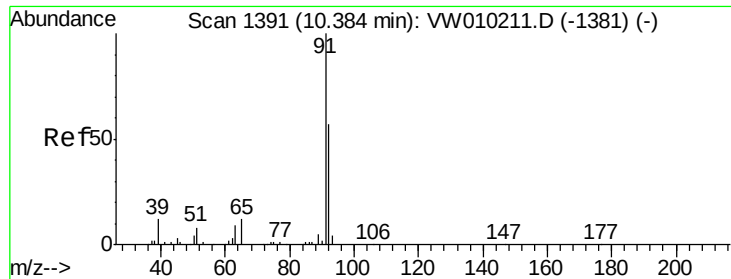
Tgt Ion: 75 Resp: 363979
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 59.767 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion: 43 Resp: 374373
 Ion Ratio Lower Upper
 43 100
 58 35.4 30.3 45.5
 100 13.4 11.9 17.9





#44

Toluene

Concen: 26.335 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampled :

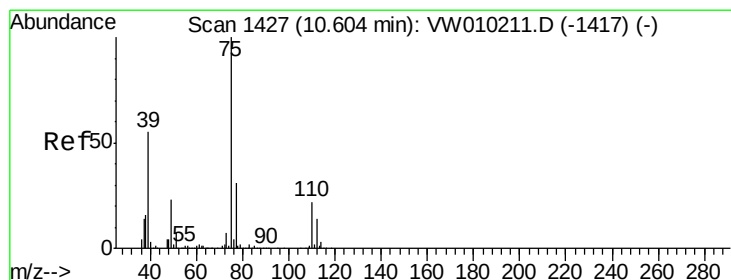
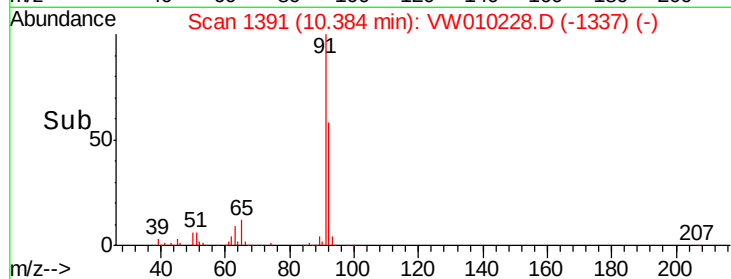
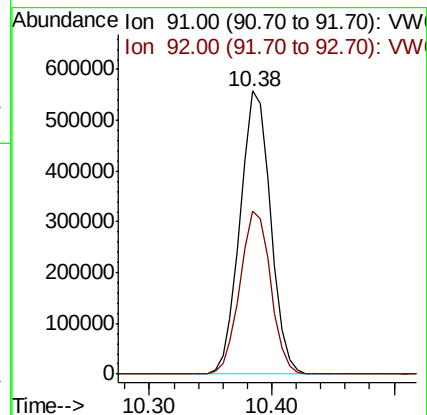
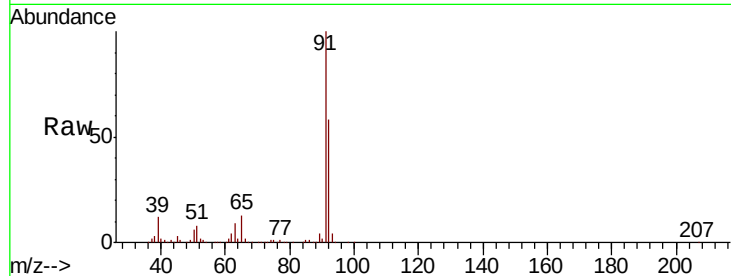
VSTD02530

Tgt Ion: 91 Resp: 965342

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 26.522 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010228.D

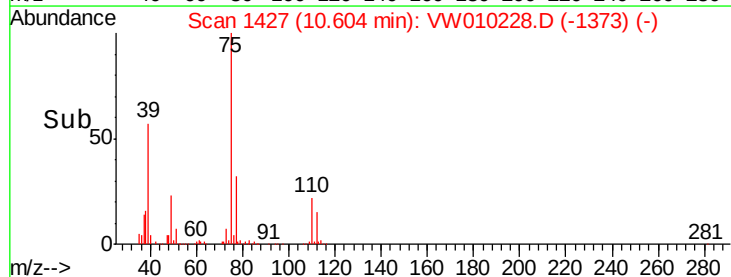
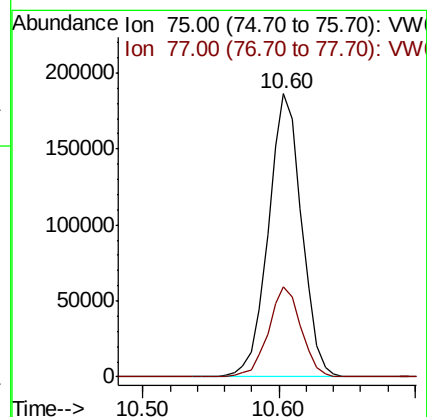
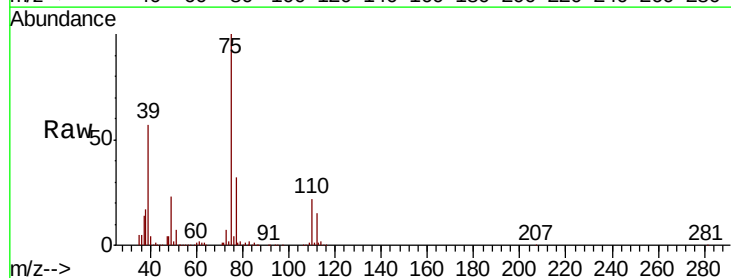
Acq: 30 Apr 2019 23:58

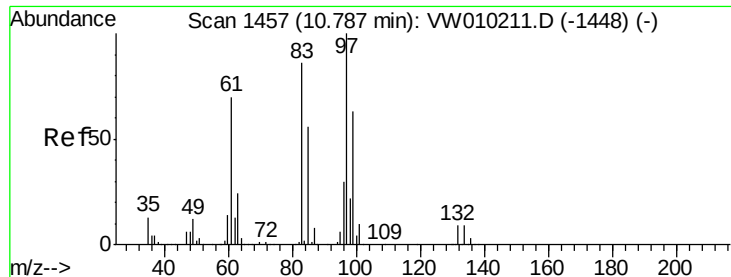
Tgt Ion: 75 Resp: 319001

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 26.615 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 97 Resp: 176792

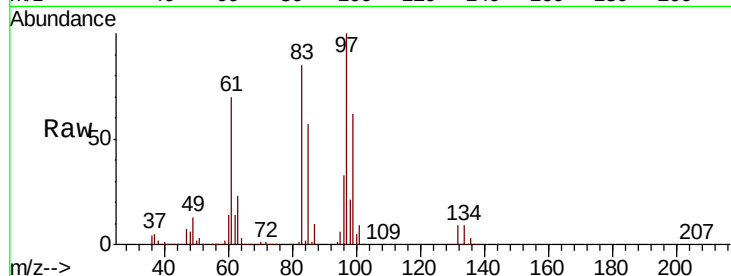
Ion Ratio Lower Upper

97 100

83 85.3 60.0 111.4

85 56.7 36.8 68.4

99 62.5 44.4 82.5

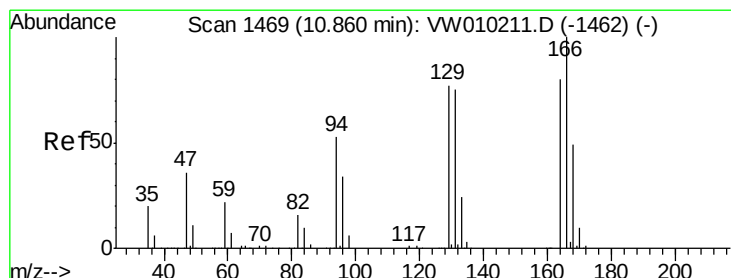
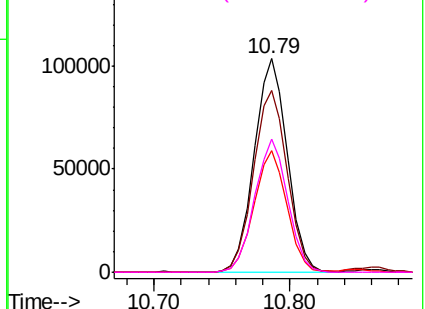
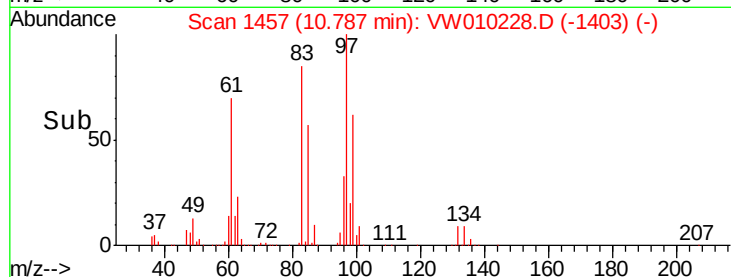


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 22.356 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Tgt Ion: 164 Resp: 169411

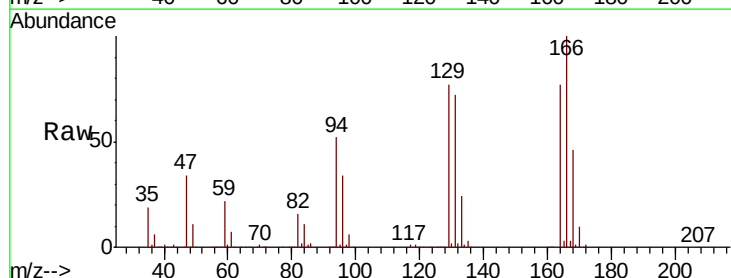
Ion Ratio Lower Upper

164 100

129 99.4 68.3 126.9

131 93.5 66.8 124.0

166 129.3 91.1 169.3

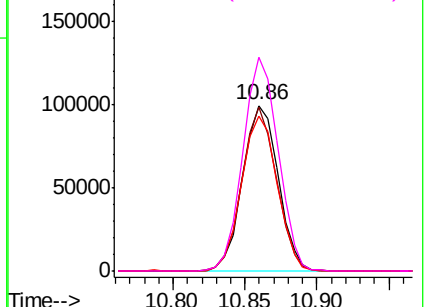
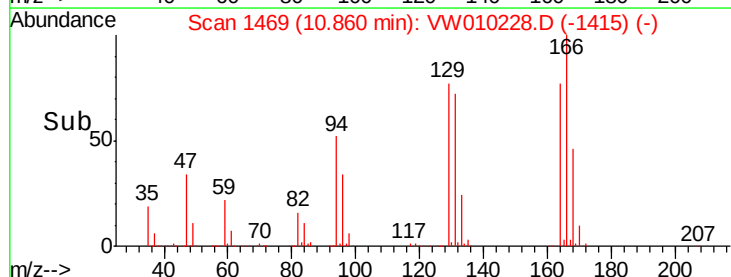


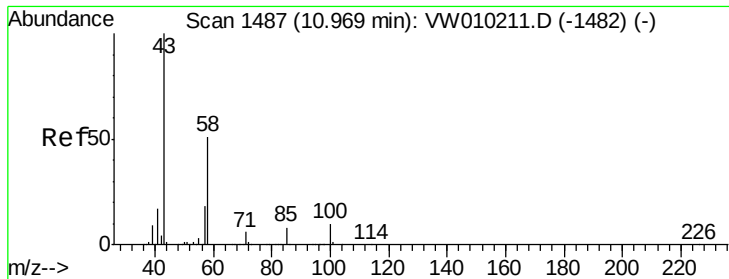
Abundance Ion 164.00 (163.70 to 164.70): V

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

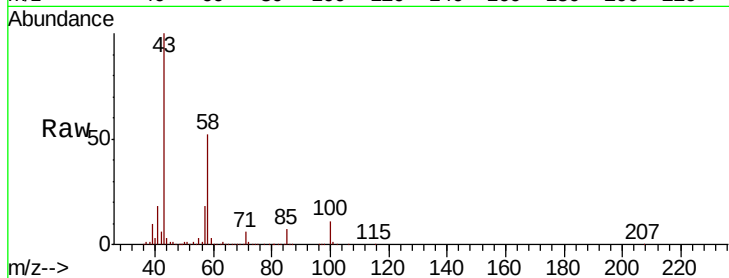




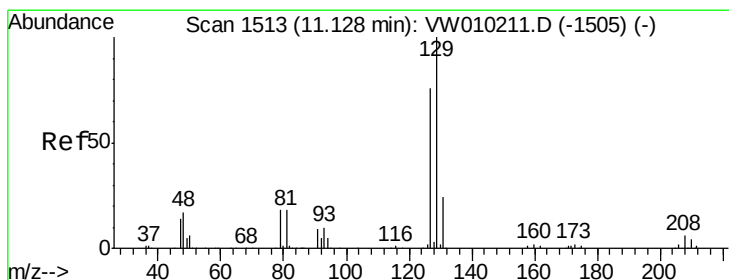
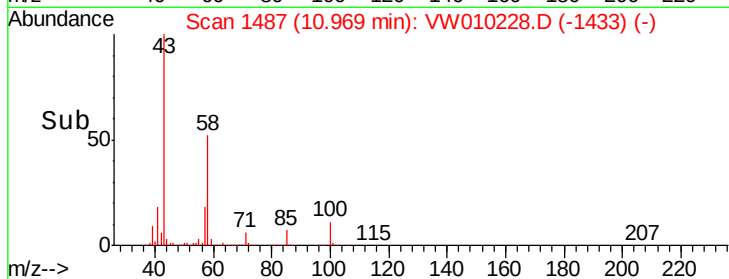
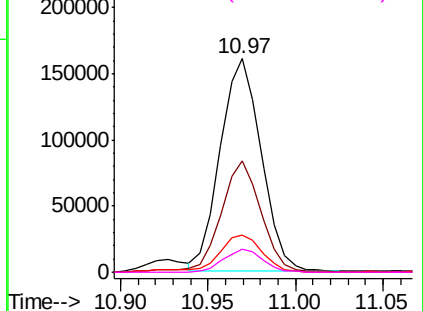
#49
2-Hexanone
Concen: 58.455 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Tgt Ion:	43	Resp:	261754
Ion	Ratio	Lower	Upper
43	100		
58	50.1	41.4	62.2
57	18.3	14.8	22.2
100	10.6	9.3	13.9

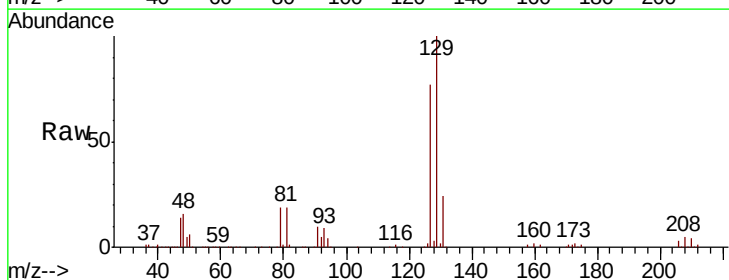


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

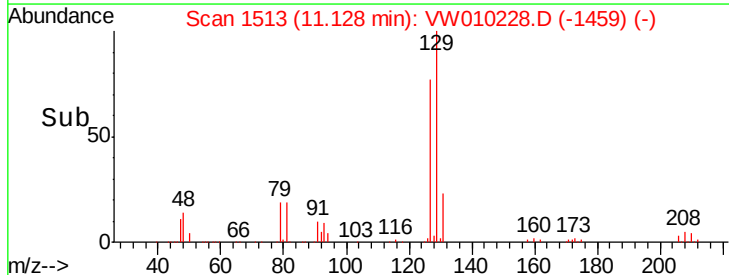
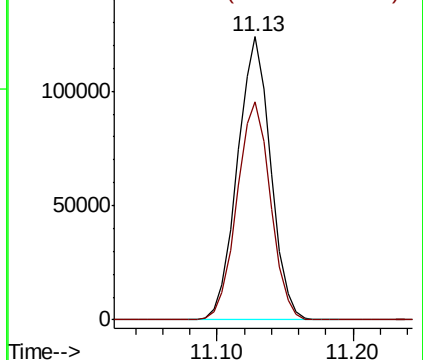


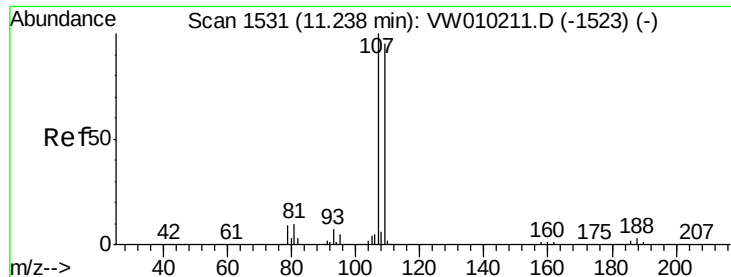
#50
Dibromochloromethane
Concen: 25.544 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion:	129	Resp:	210702
Ion	Ratio	Lower	Upper
129	100		
127	77.3	56.4	104.8



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

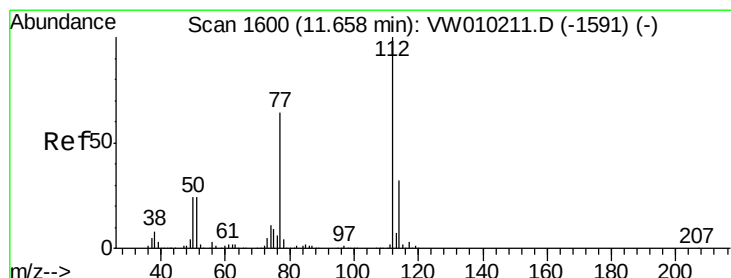
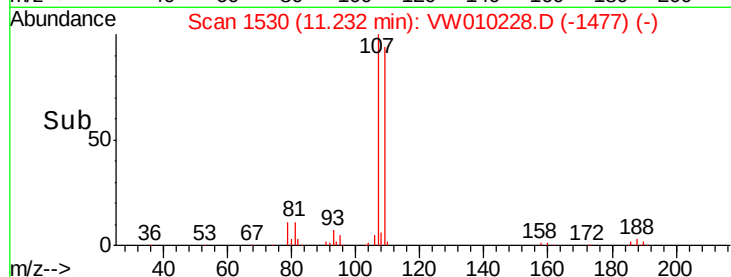
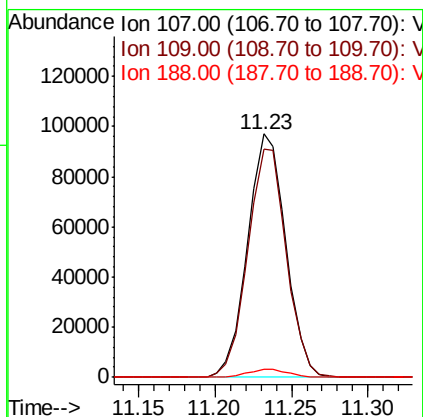
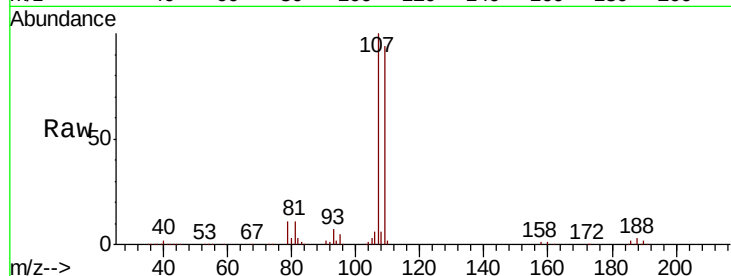




#51
 1,2-Dibromoethane
 Concen: 25.882 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

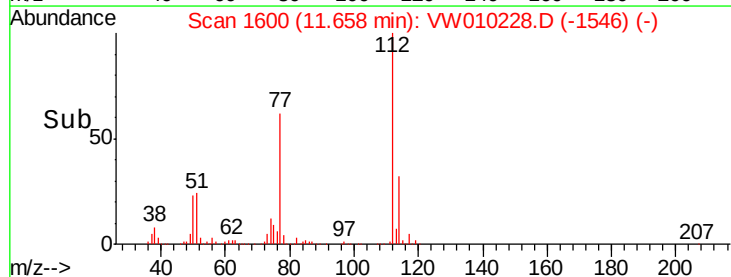
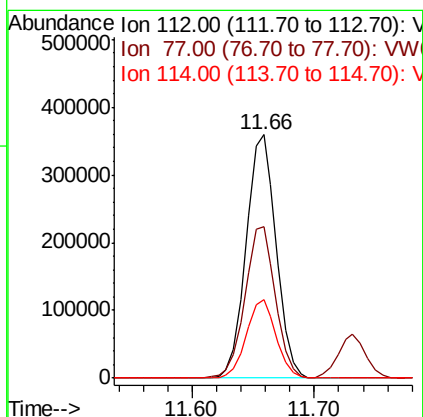
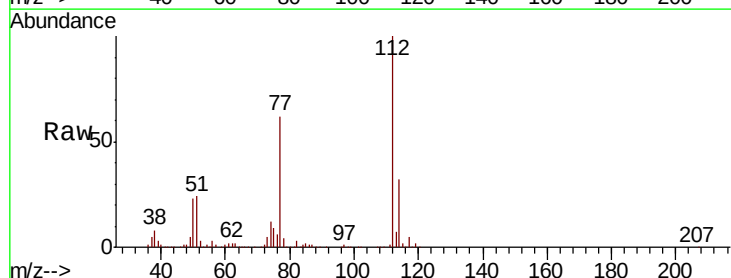
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

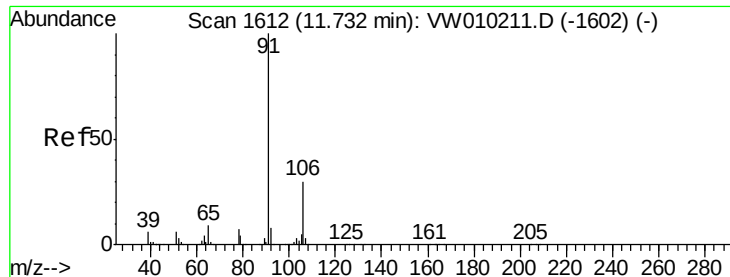
Tgt Ion:107 Resp: 168308
 Ion Ratio Lower Upper
 107 100
 109 93.9 68.3 126.9
 188 3.4 3.3 4.9



#52
 Chlorobenzene
 Concen: 25.428 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion:112 Resp: 610564
 Ion Ratio Lower Upper
 112 100
 77 62.0 48.2 72.2
 114 32.4 22.2 41.2

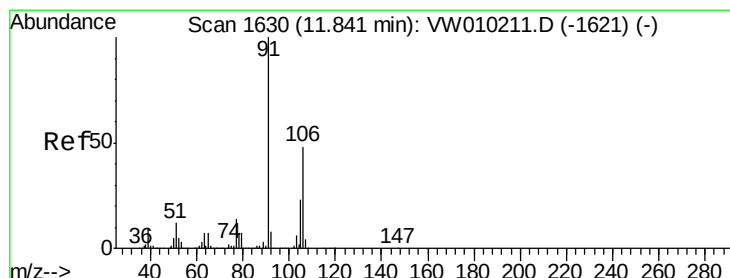
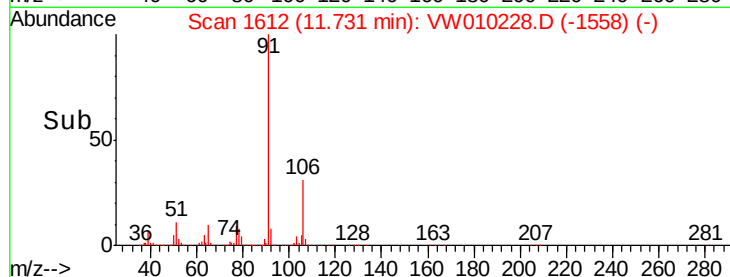
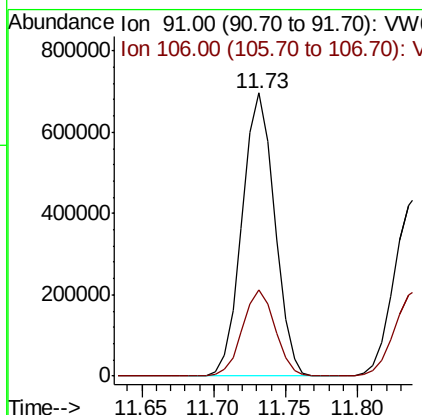
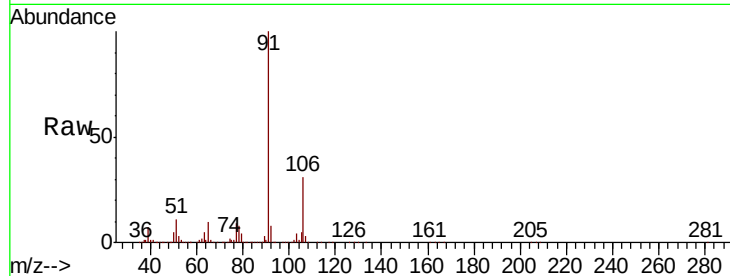




#53
Ethylbenzene
Concen: 26.375 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

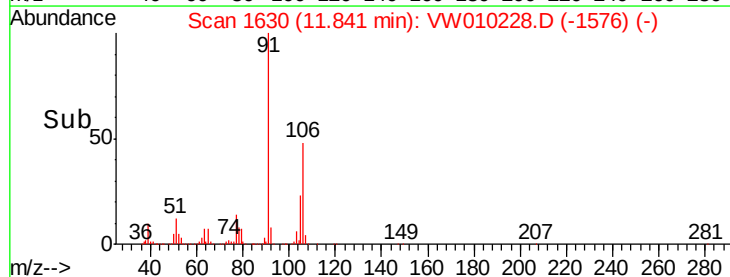
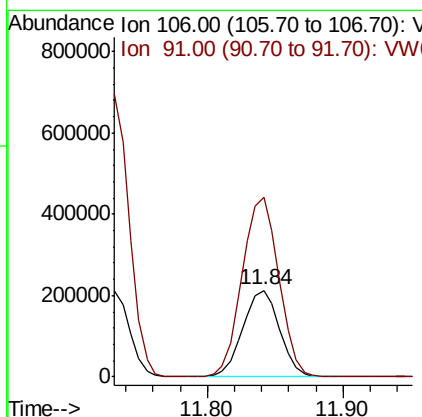
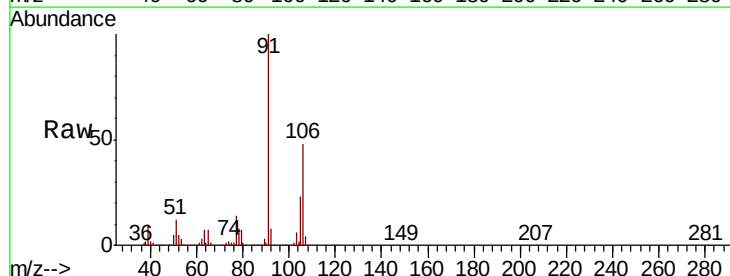
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

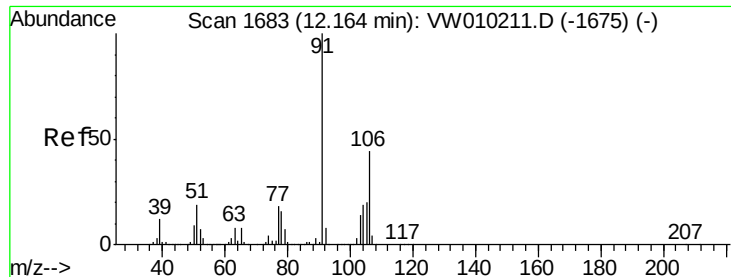
Tgt Ion: 91 Resp: 1094600
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#54
m,p-Xylene
Concen: 25.635 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010228.D
Acq: 30 Apr 2019 23:58

Tgt Ion: 106 Resp: 400388
Ion Ratio Lower Upper
106 100
91 207.5 143.8 267.0





#55

o-xylene

Concen: 26.562 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

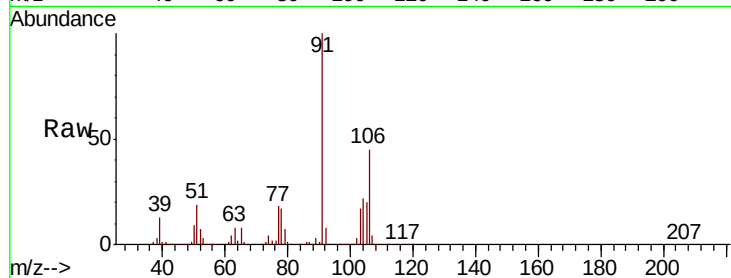
VSTD02530

Tgt Ion:106 Resp: 392170

Ion Ratio Lower Upper

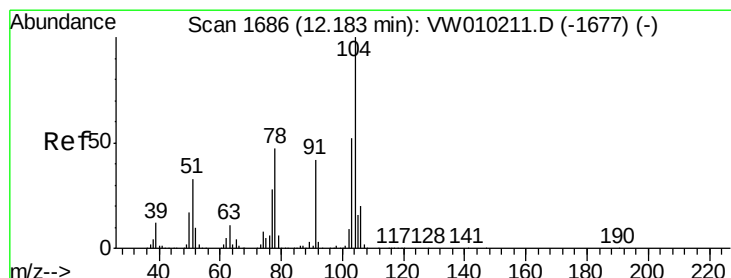
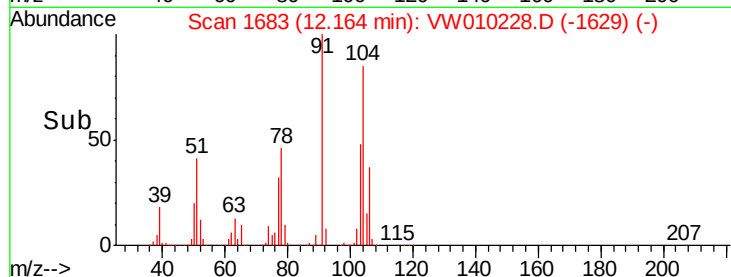
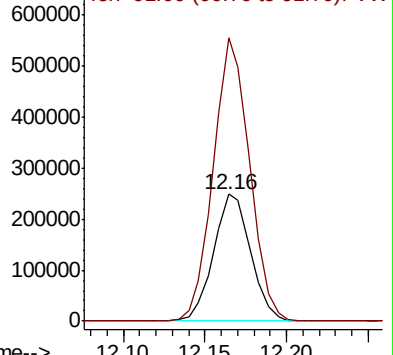
106 100

91 223.4 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.099 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010228.D

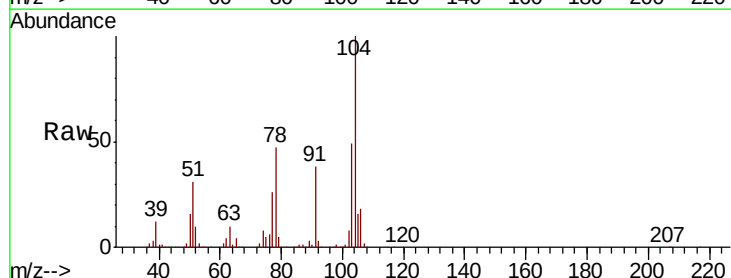
Acq: 30 Apr 2019 23:58

Tgt Ion:104 Resp: 692891

Ion Ratio Lower Upper

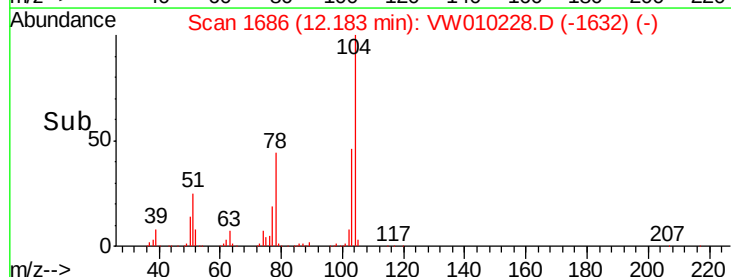
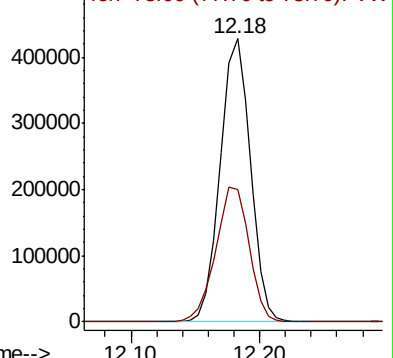
104 100

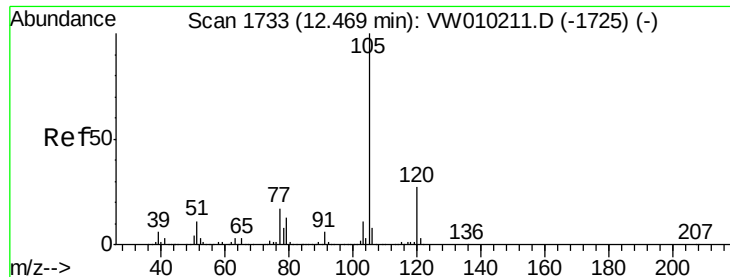
78 46.9 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.021 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

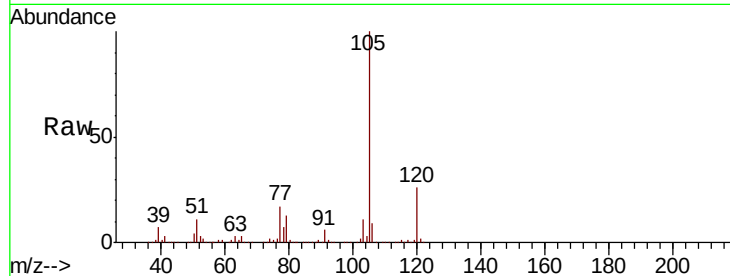
Tgt Ion:105 Resp: 1045461

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

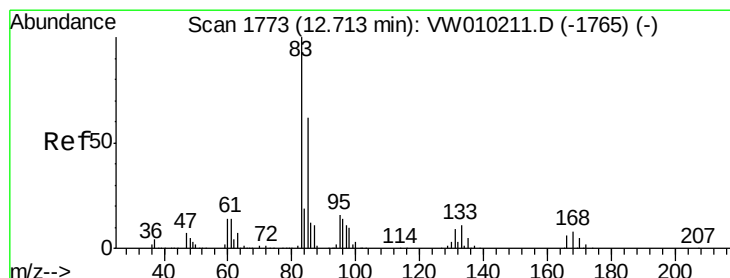
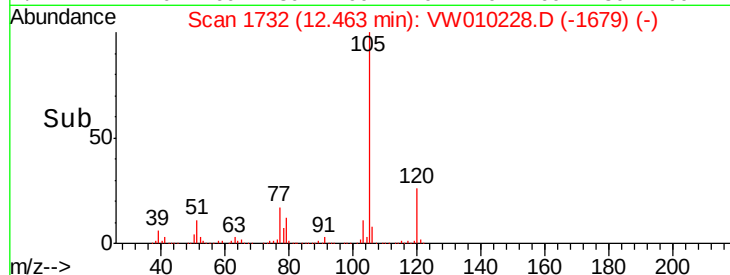
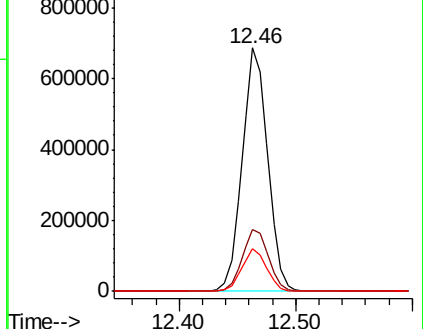
77 17.0 12.6 19.0



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: 27.104 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

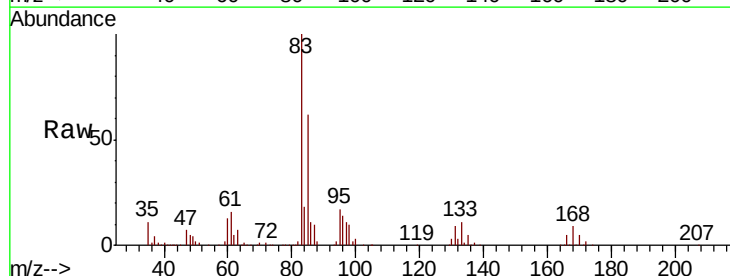
Tgt Ion: 83 Resp: 224217

Ion Ratio Lower Upper

83 100

85 62.2 46.5 86.5

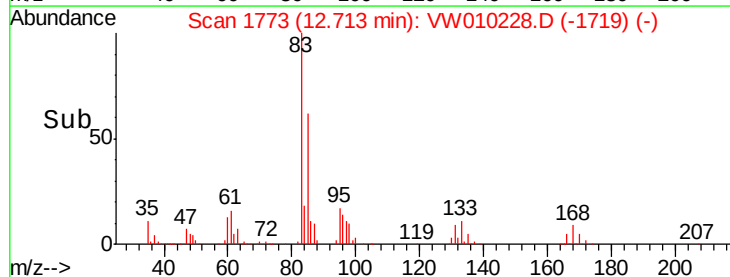
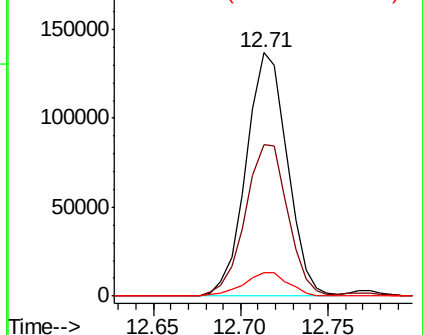
131 9.5 8.0 12.0

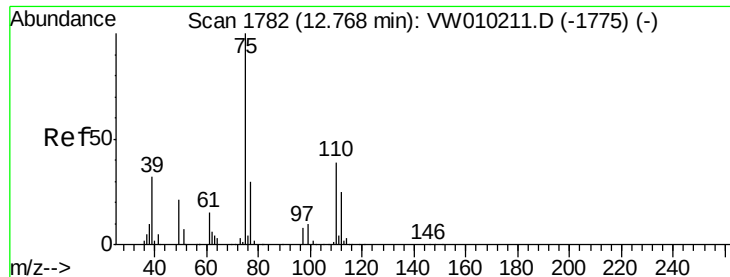


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.480 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

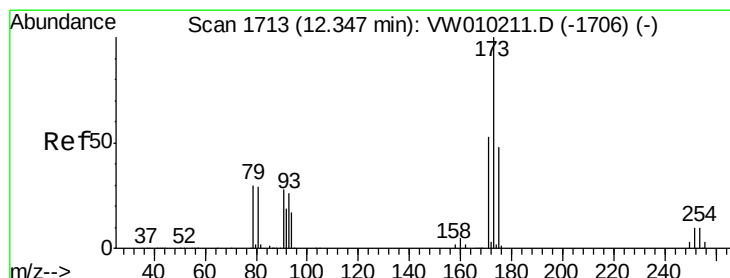
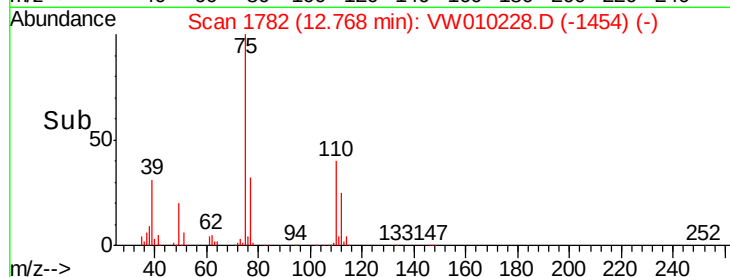
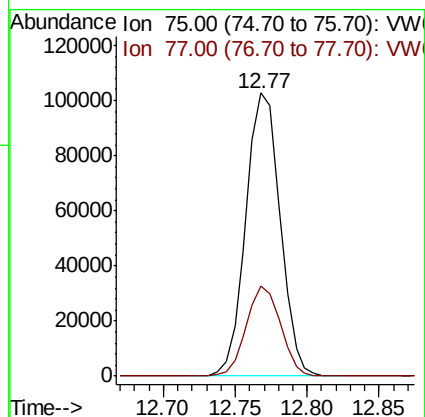
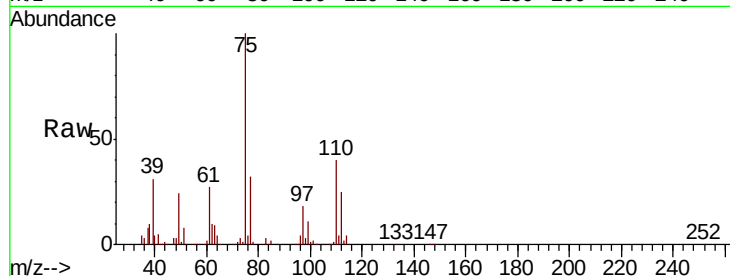
VSTD02530

Tgt Ion: 75 Resp: 169466

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#62

Bromoform

Concen: 24.687 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

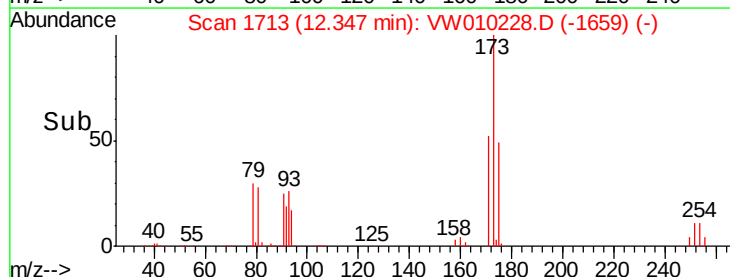
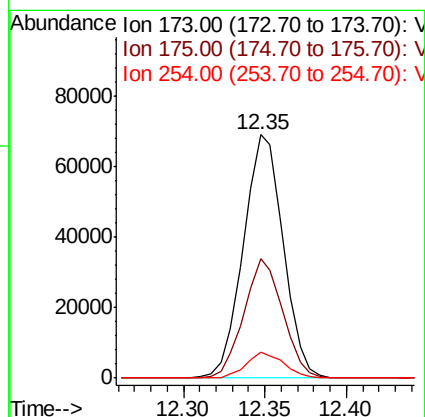
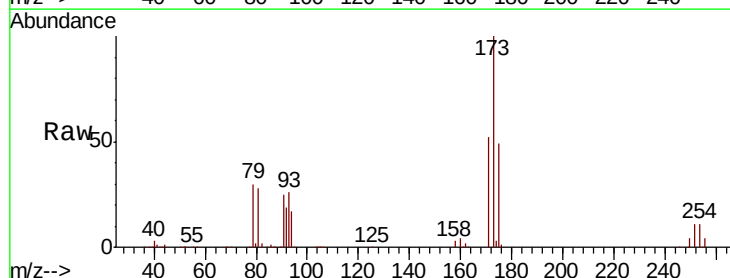
Tgt Ion: 173 Resp: 117582

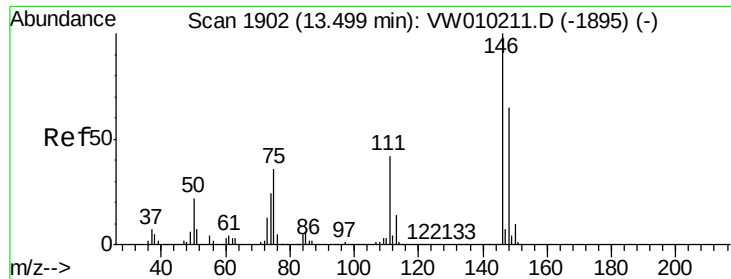
Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

254 10.1 8.0 12.0

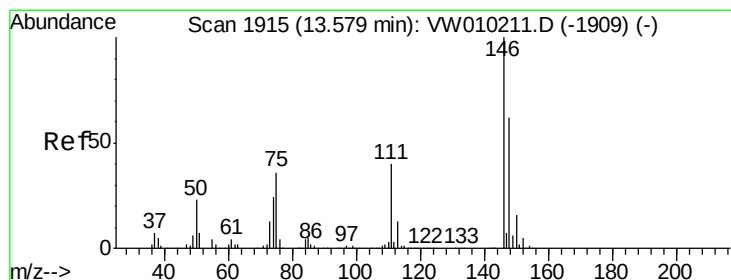
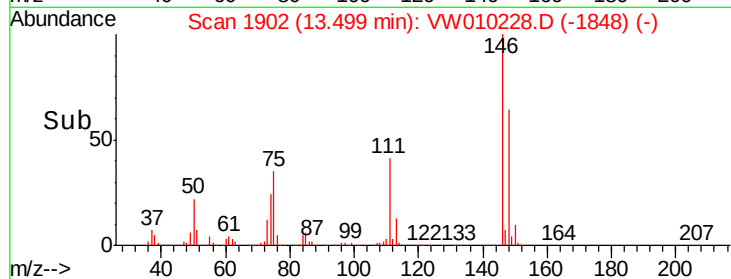
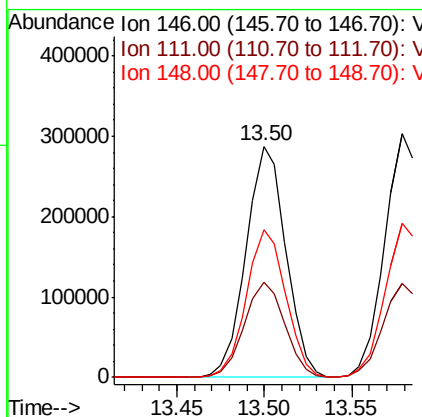
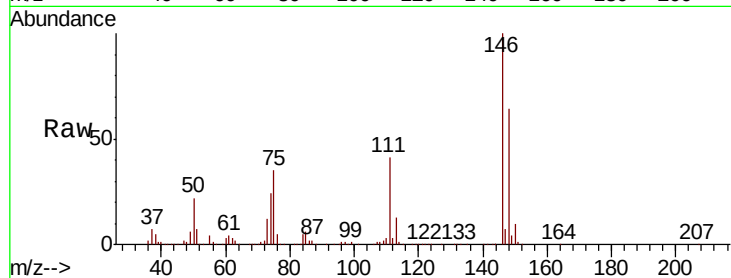




#63
 1,3-Dichlorobenzene
 Concen: 25.443 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

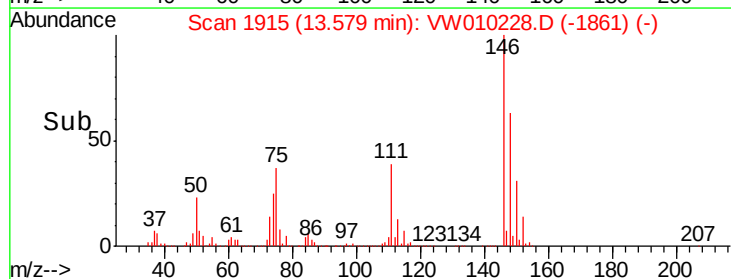
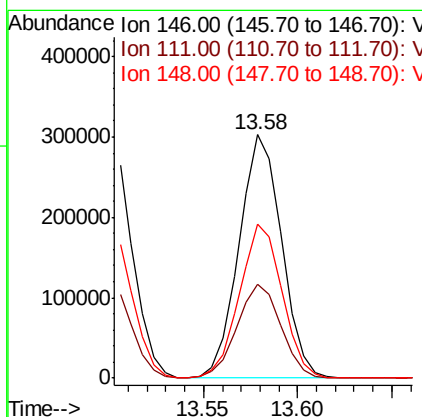
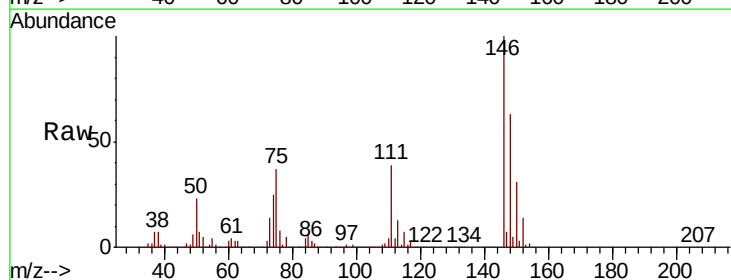
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

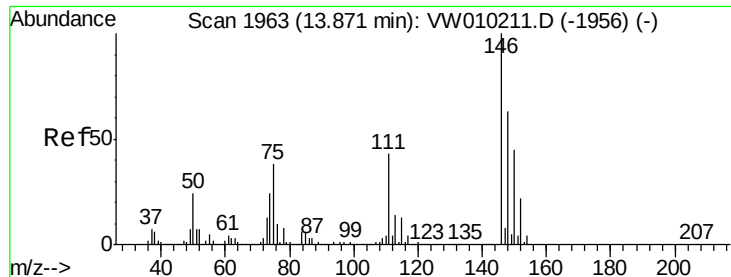
Tgt Ion:146 Resp: 455473
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.5
 148 63.7 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 25.201 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion:146 Resp: 474313
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.5 49.1
 148 63.4 43.9 81.5

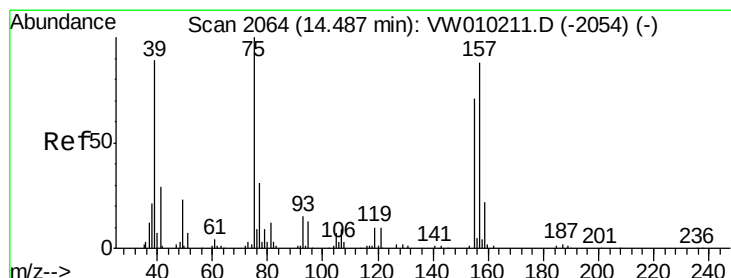
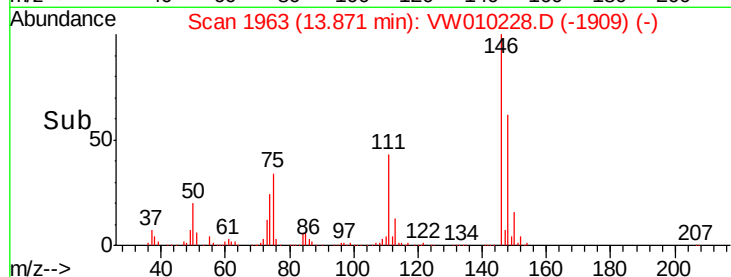
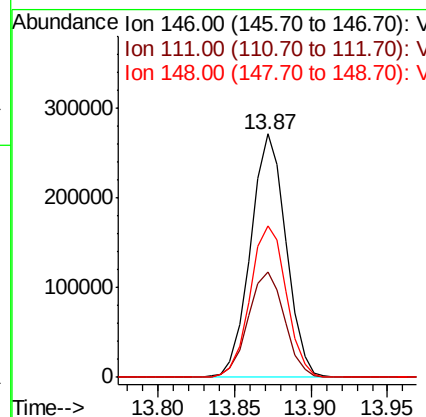
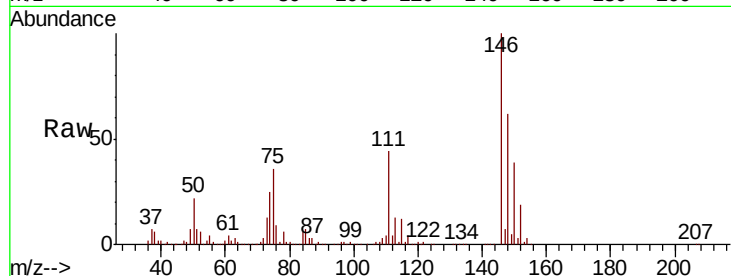




#65
 1,2-Dichlorobenzene
 Concen: 25.969 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

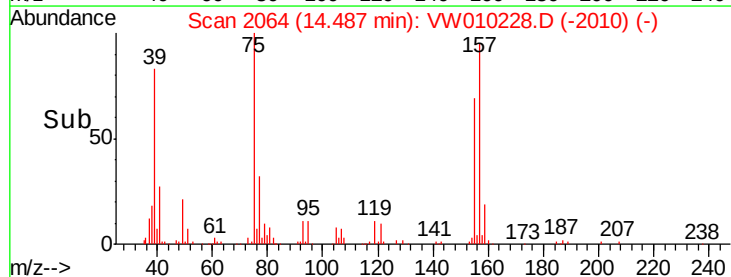
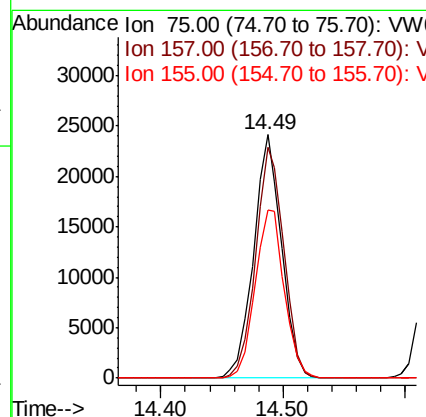
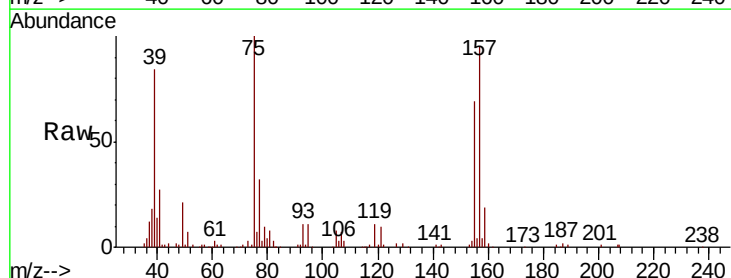
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

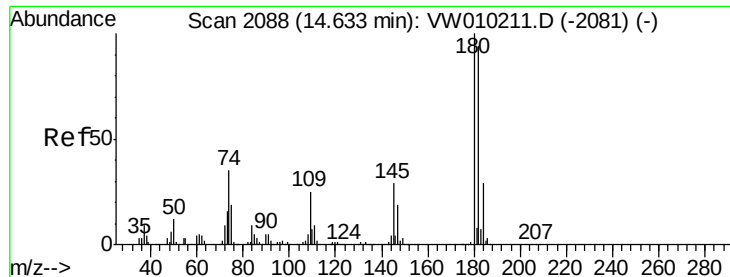
Tgt Ion: 146 Resp: 437893
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.0 52.4
 148 62.0 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.384 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion: 75 Resp: 38339
 Ion Ratio Lower Upper
 75 100
 157 94.8 85.7 128.5
 155 69.2 70.8 106.2#

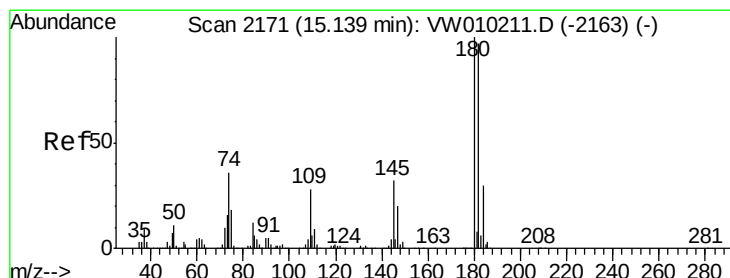
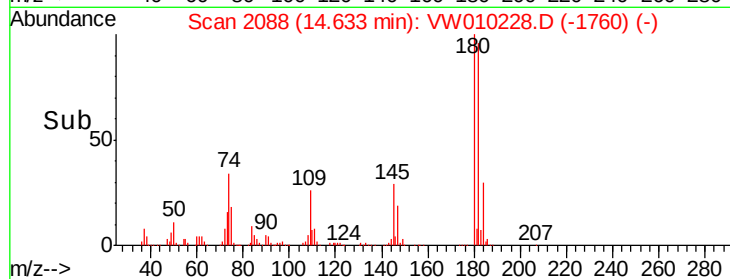
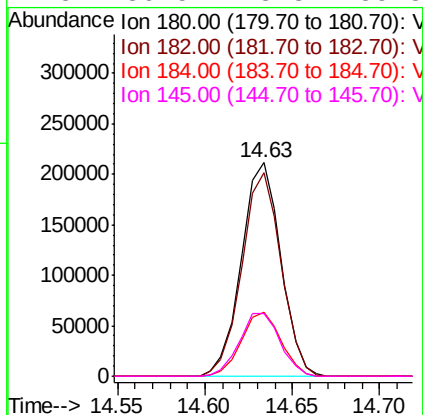
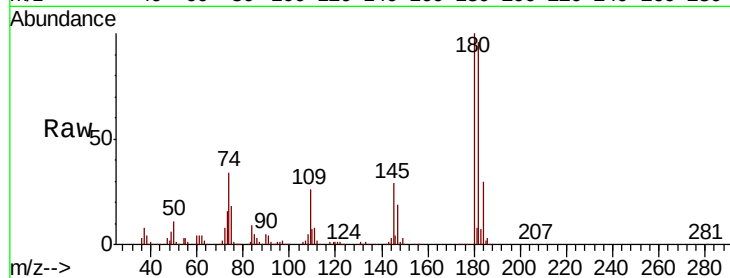




#67
 1,3,5-Trichlorobenzene
 Concen: 24.058 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

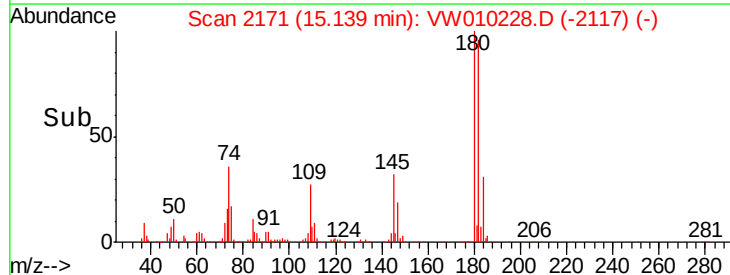
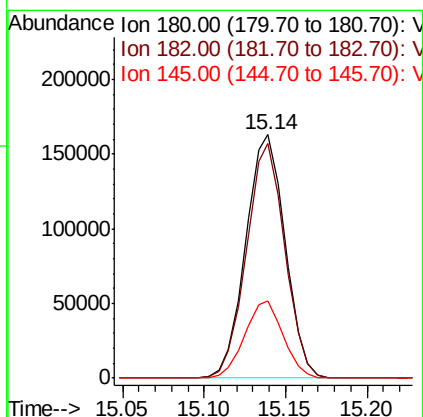
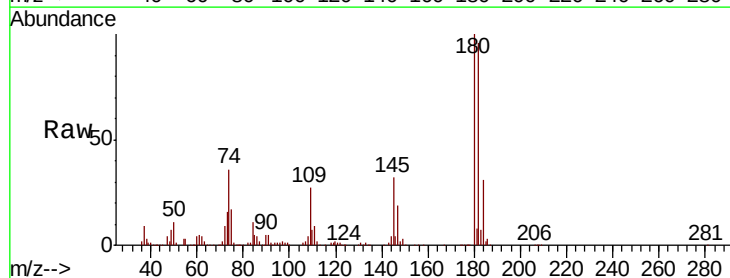
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

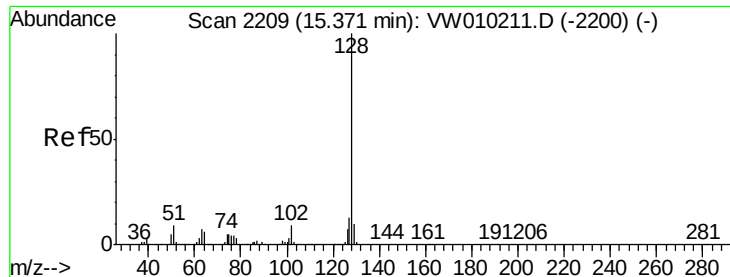
Tgt Ion:	180	Resp:	331370
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
184	30.4	23.8	35.6
145	30.5	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.545 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010228.D
 Acq: 30 Apr 2019 23:58

Tgt Ion:	180	Resp:	273768
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.4
145	31.1	24.5	36.7





#69

Naphthalene

Concen: 26.033 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

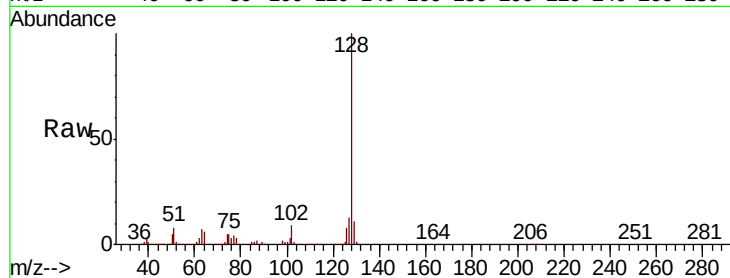
Tgt Ion:128 Resp: 594595

Ion Ratio Lower Upper

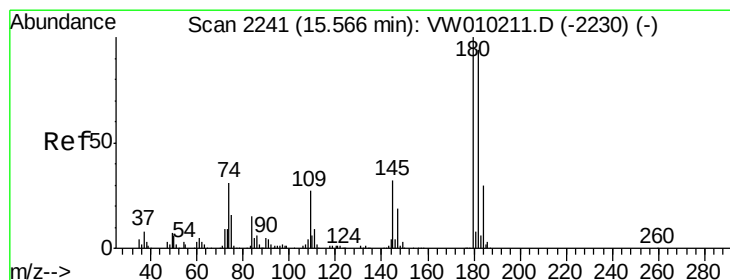
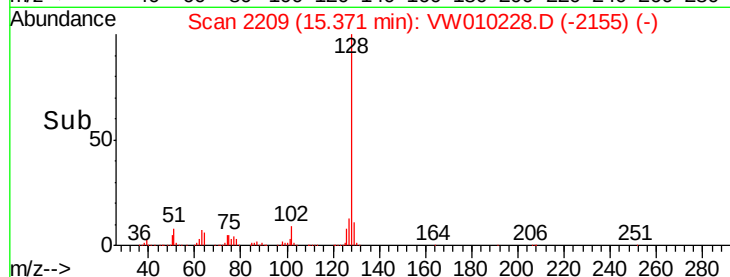
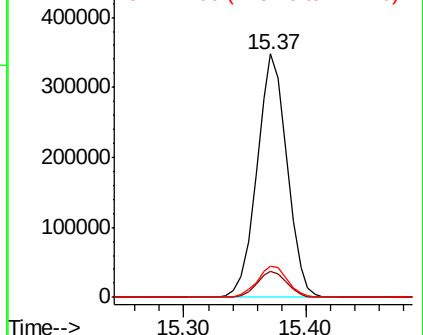
128 100

129 10.8 8.6 12.8

127 13.1 10.6 15.8



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: 24.531 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010228.D

Acq: 30 Apr 2019 23:58

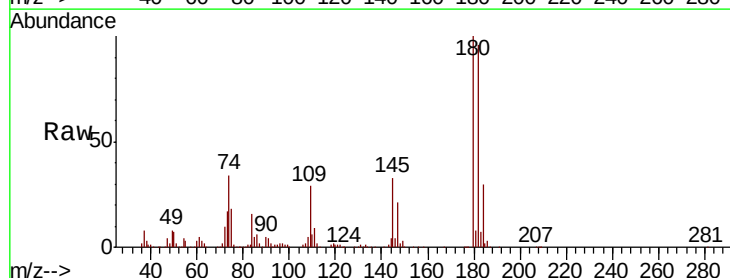
Tgt Ion:180 Resp: 258574

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

145 33.8 26.0 39.0



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

