

Data File : VW014708.D
Acq On : 21 Jan 2020 15:49
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Quant Time: Jan 22 01:36:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 22 01:33:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1129570	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	992042	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	477122	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	291510	18.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.24%
7) Chloroethane-d5	2.88	69	258566	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
10) 1,1-Dichloroethene-d2	4.02	63	627640	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.20%
20) 2-Butanone-d5	7.07	46	203962	53.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.66%
24) Chloroform-d	7.64	84	604965	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.30	65	308121	22.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.40%
29) Benzene-d6	8.27	84	1260750	23.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.60%
33) 1,2-Dichloropropane-d6	9.27	67	390112	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.36%
37) Toluene-d8	10.32	98	1149126	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.57	79	154931	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.60%
39) 2-Hexanone-d5	10.92	63	161277	59.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	313798	26.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	386711	24.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	224111	22.179	ug/L	100
3) Chloromethane	2.21	50	224642	19.664	ug/L	100
5) Vinyl chloride	2.36	62	376229	23.146	ug/L	98
6) Bromomethane	2.78	94	212557	22.394	ug/L	99
8) Chloroethane	2.92	64	219596	24.159	ug/L	100
9) Trichlorofluoromethane	3.26	101	209925	24.417	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	346480	23.475	ug/L	100
12) 1,1-Dichloroethene	4.04	96	344614	23.843	ug/L	94
13) Acetone	4.12	43	205724	39.214	ug/L	98
14) Carbon disulfide	4.38	76	978261	21.923	ug/L	97
15) Methyl Acetate	4.66	43	179867	25.408	ug/L	100
16) Methylene chloride	4.92	84	380862	20.677	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	492272	26.461	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	357301	23.468	ug/L	98
19) 1,1-Dichloroethane	6.21	63	646172	23.478	ug/L	99
21) 2-Butanone	7.16	43	263009	46.727	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	382612	23.875	ug/L	98

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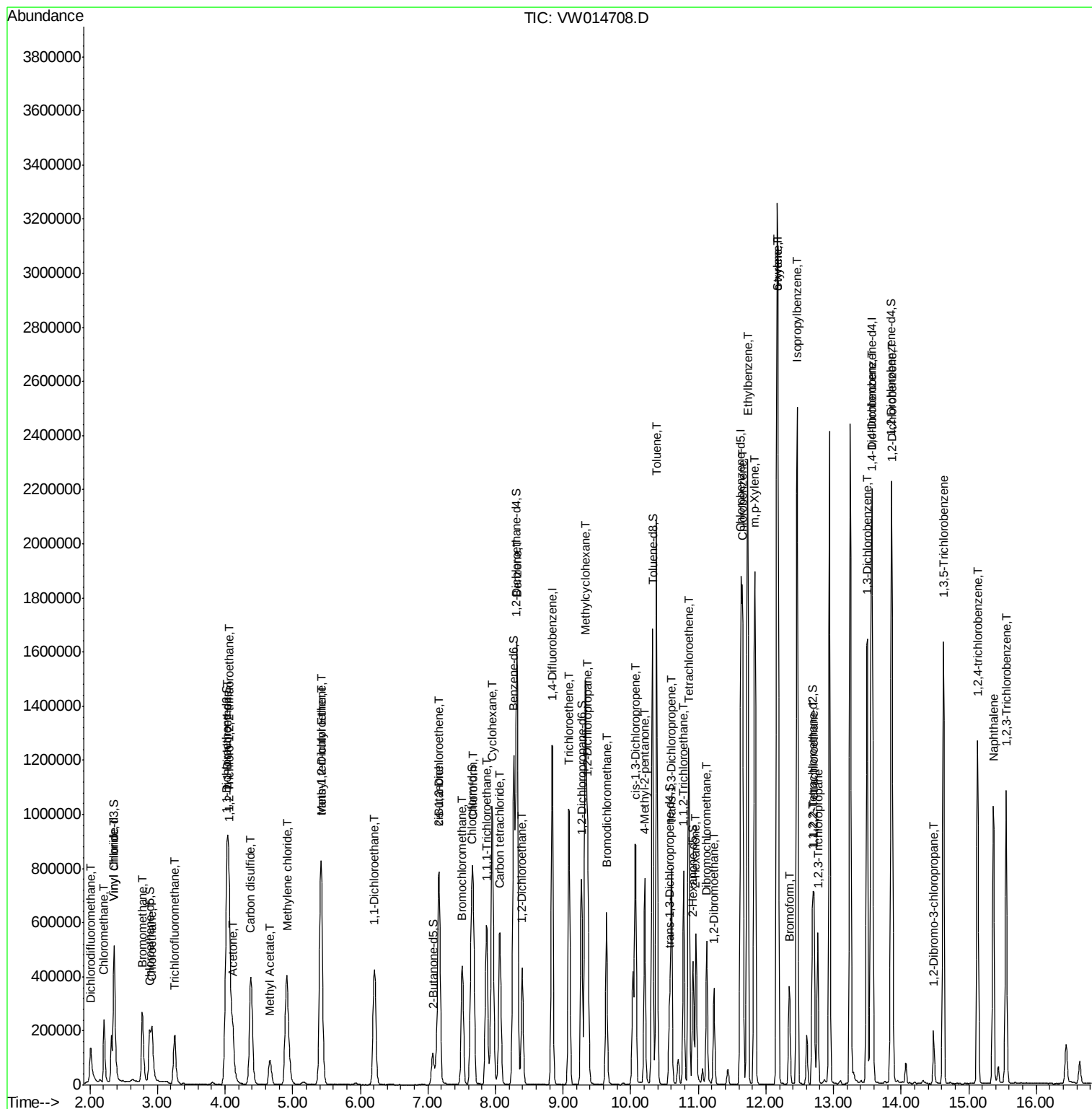
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166717	24.031	ug/L	97
25) Chloroform	7.67	83	614817	23.355	ug/L	100
27) 1,2-Dichloroethane	8.40	62	390364	22.843	ug/L	99
30) Cyclohexane	7.95	56	625409	24.645	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	490018	24.080	ug/L	99
32) Carbon tetrachloride	8.07	117	447175	23.585	ug/L	98
34) Benzene	8.32	78	1447701	24.250	ug/L	100
35) Trichloroethene	9.09	95	366070	23.759	ug/L	98
36) Methylcyclohexane	9.33	83	639054	23.642	ug/L	98
40) 1,2-Dichloropropane	9.37	63	360305	23.845	ug/L	100
41) Bromodichloromethane	9.64	83	432627	23.803	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	554796	24.579	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	501413	51.691	ug/L	99
44) Toluene	10.38	91	1527164	24.479	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	437321	24.230	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	262520	24.528	ug/L	99
47) Tetrachloroethene	10.86	164	311209	24.055	ug/L	97
49) 2-Hexanone	10.96	43	364122	54.971	ug/L	100
50) Dibromochloromethane	11.13	129	295707	24.332	ug/L	95
51) 1,2-Dibromoethane	11.23	107	248520	24.599	ug/L	98
52) Chlorobenzene	11.66	112	947438	24.024	ug/L	97
53) Ethylbenzene	11.73	91	1674358	24.409	ug/L	99
54) m,p-Xylene	11.83	106	638973	24.616	ug/L	99
55) o-xylene	12.16	106	605708	24.704	ug/L	99
56) Styrene	12.18	104	1038189	25.157	ug/L	98
57) Isopropylbenzene	12.46	105	1622731	24.881	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	320245	24.644	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	238494	24.499	ug/L	99
62) Bromoform	12.35	173	173199	24.293	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	722799	23.928	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	727994	23.901	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	663071	24.486	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	50536	25.202	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	545413	24.374	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	446706	26.631	ug/L	99
69) Naphthalene	15.36	128	896605	30.961	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	396551	26.088	ug/L	98

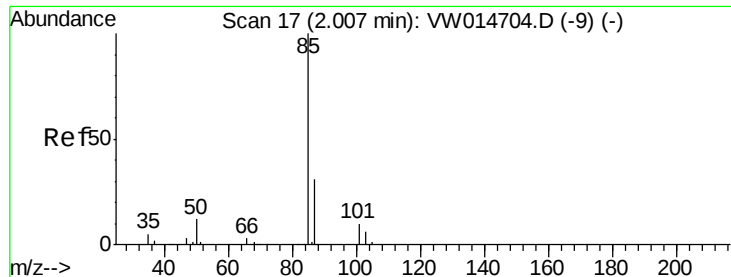
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.179 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

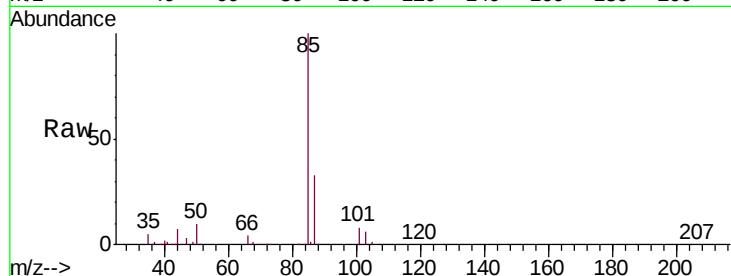
VSTD02523

Tgt Ion: 85 Resp: 224111

Ion Ratio Lower Upper

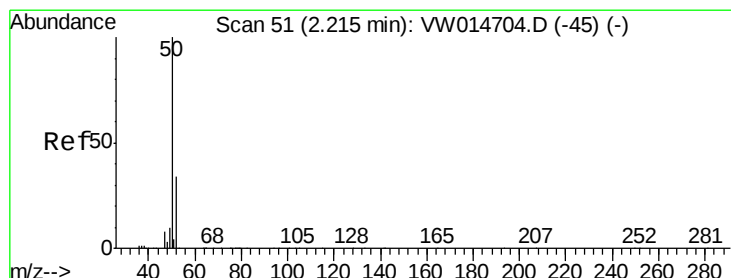
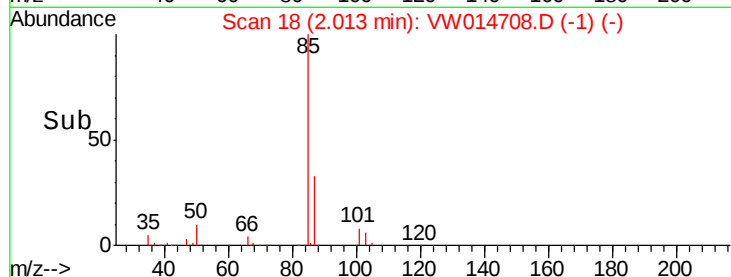
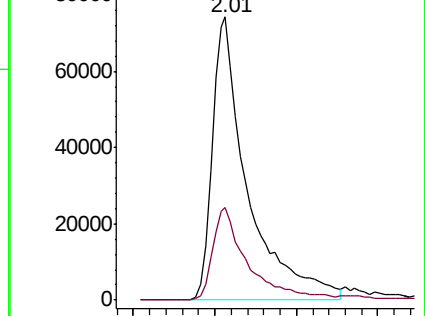
85 100

87 30.8 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.664 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014708.D

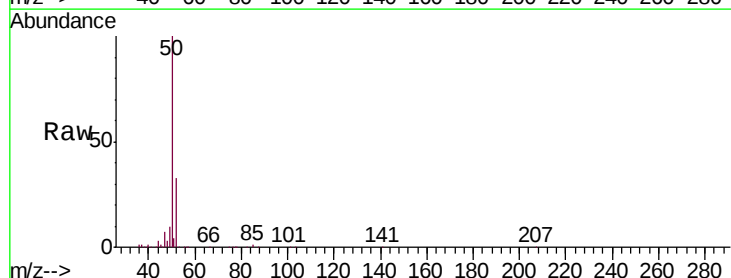
Acq: 21 Jan 2020 15:49

Tgt Ion: 50 Resp: 224642

Ion Ratio Lower Upper

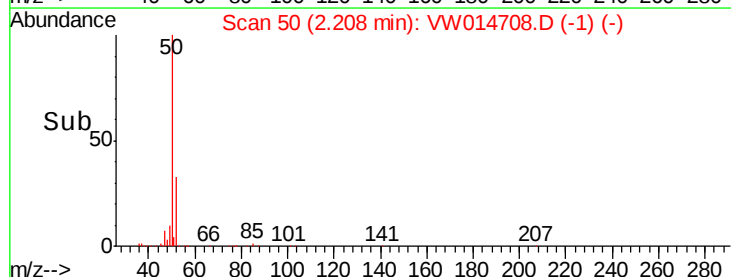
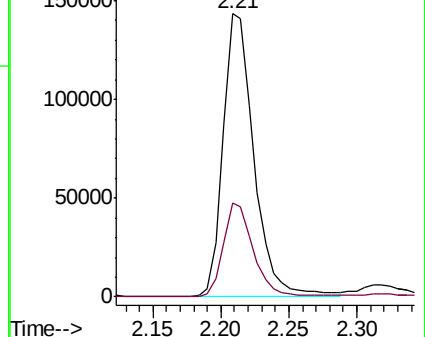
50 100

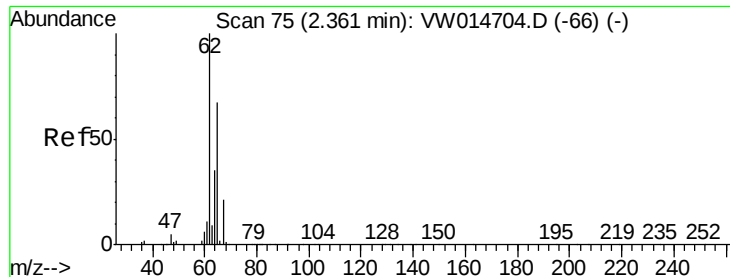
52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.146 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

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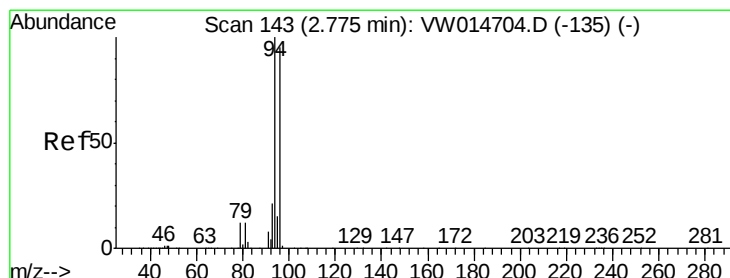
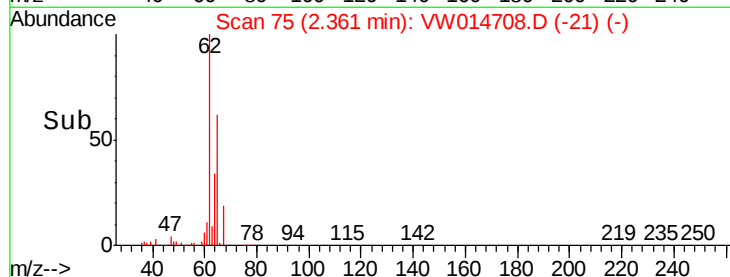
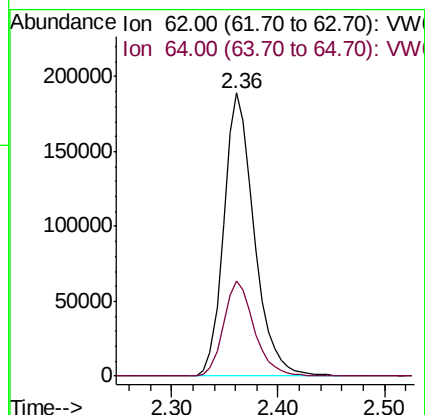
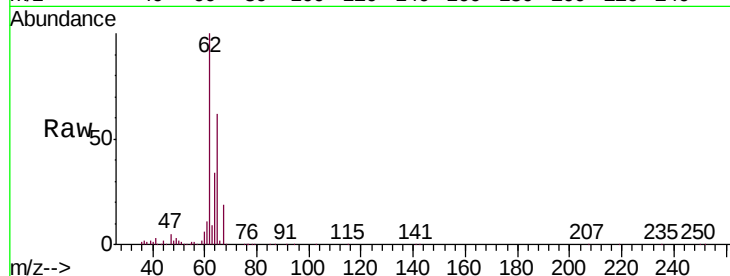
VSTD02523

Tgt Ion: 62 Resp: 376229

Ion Ratio Lower Upper

62 100

64 33.6 24.1 44.8



#6

Bromomethane

Concen: 22.394 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014708.D

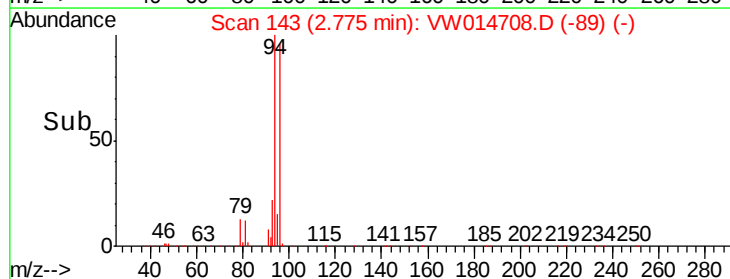
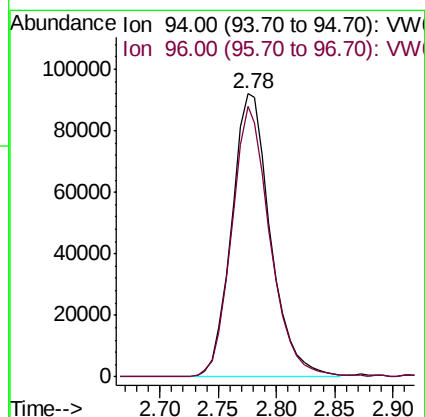
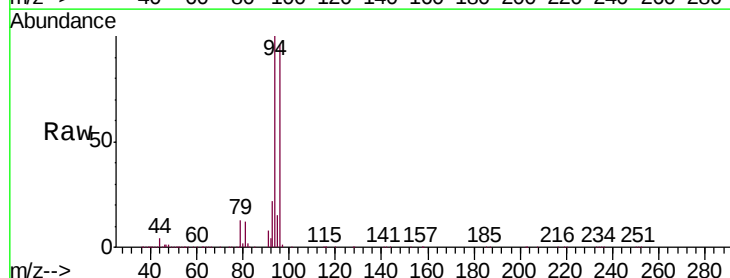
Acq: 21 Jan 2020 15:49

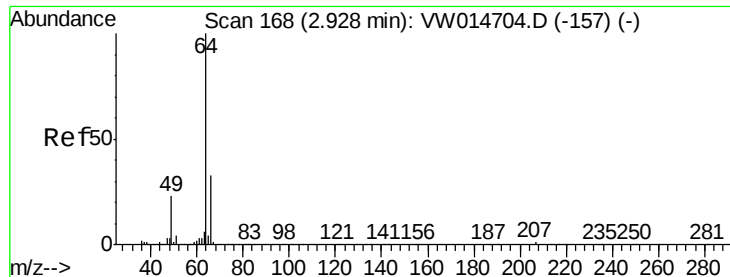
Tgt Ion: 94 Resp: 212557

Ion Ratio Lower Upper

94 100

96 94.6 9.4 178.8

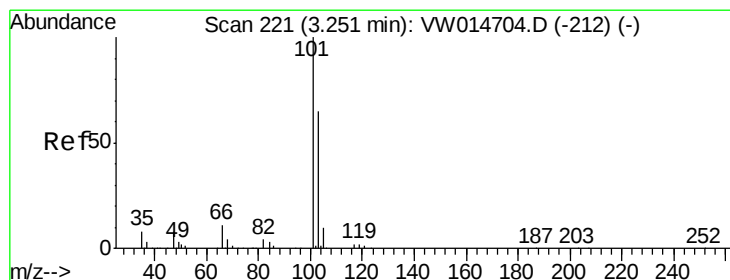
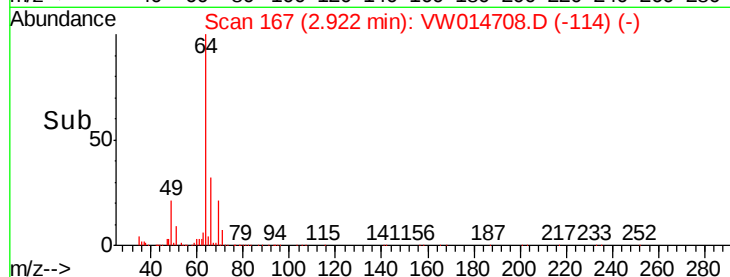
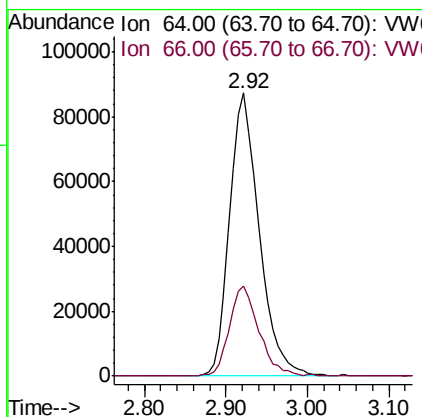
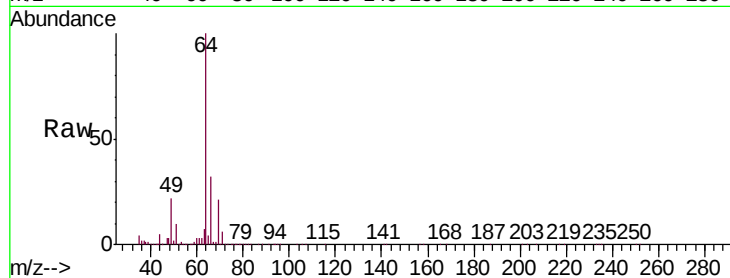




#8
Chloroethane
Concen: 24.159 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW014708.D
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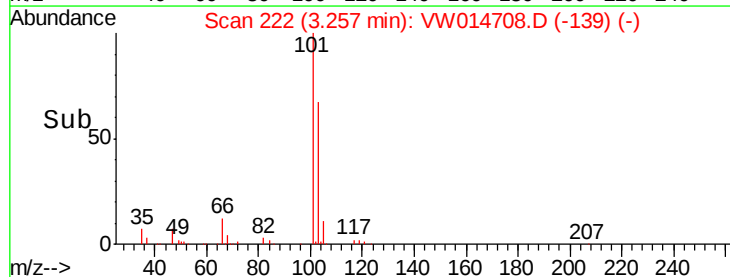
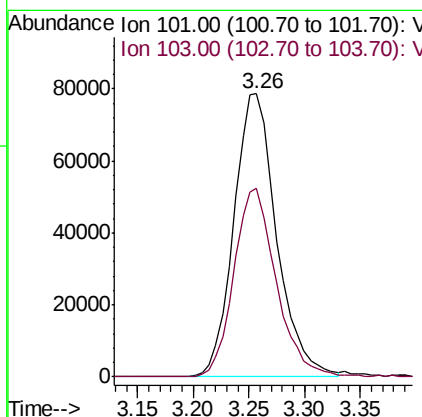
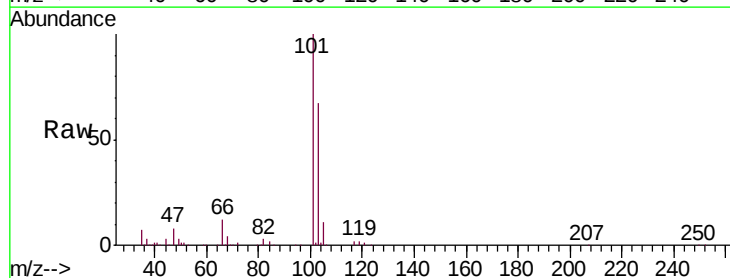
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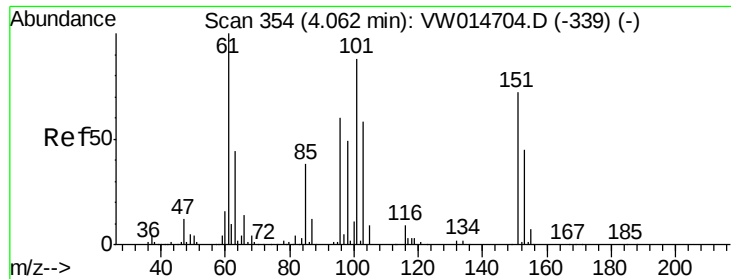
Tgt Ion: 64 Resp: 219596
Ion Ratio Lower Upper
64 100
66 31.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 24.417 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 101 Resp: 209925
Ion Ratio Lower Upper
101 100
103 65.8 45.5 84.5





#11

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

Concen: 23.475 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

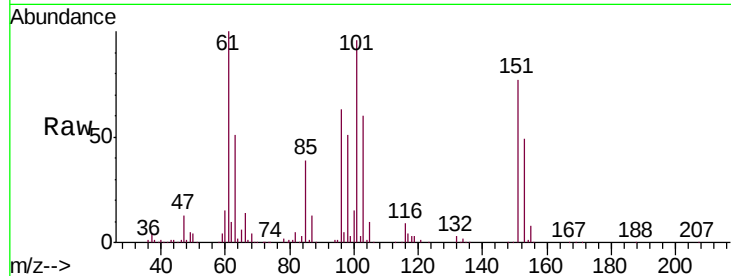
Tgt Ion:101 Resp: 346480

Ion Ratio Lower Upper

101 100

85 41.3 33.3 49.9

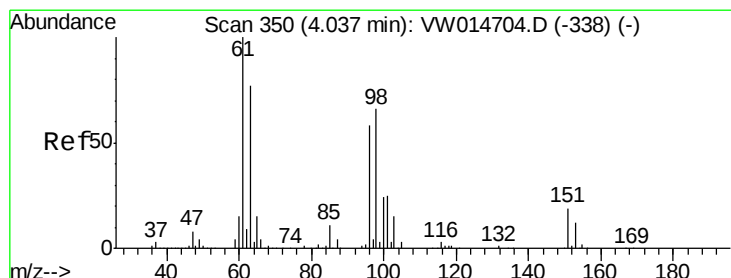
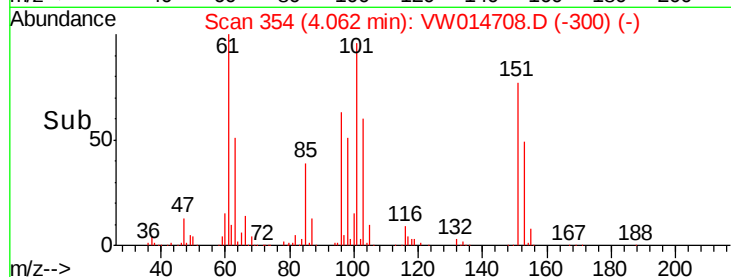
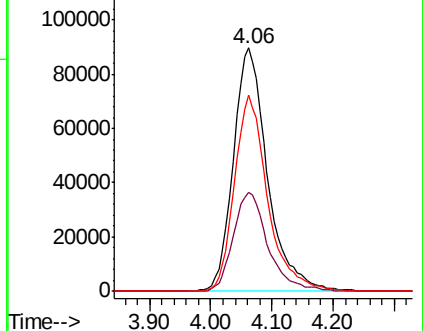
151 78.2 62.5 93.7



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: 23.843 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

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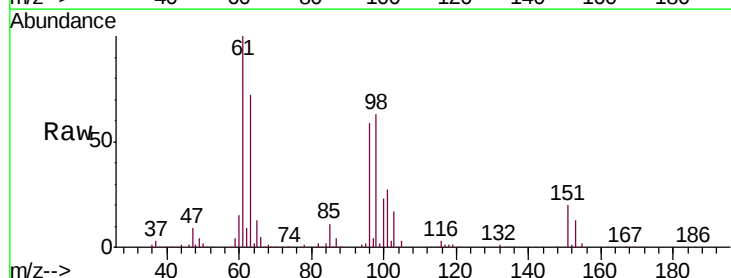
Tgt Ion: 96 Resp: 344614

Ion Ratio Lower Upper

96 100

61 168.1 114.2 212.0

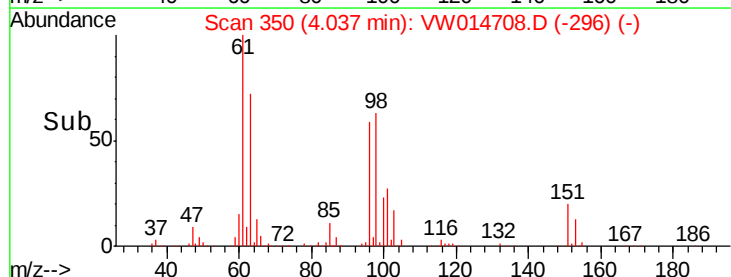
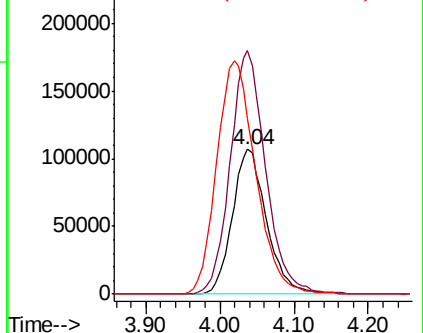
63 121.3 78.6 146.0

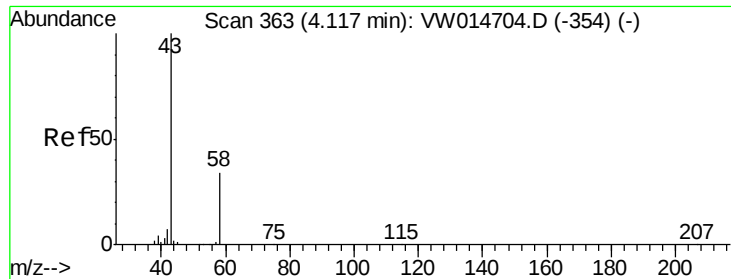


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.214 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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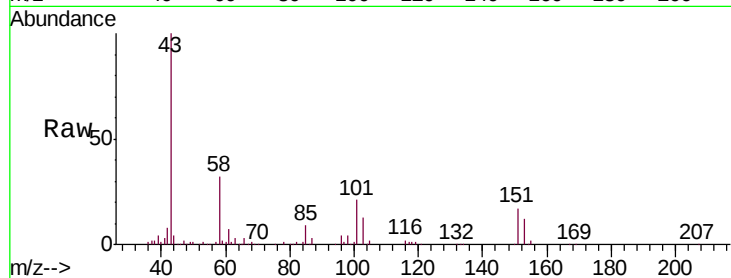
VSTD02523

Tgt Ion: 43 Resp: 205724

Ion Ratio Lower Upper

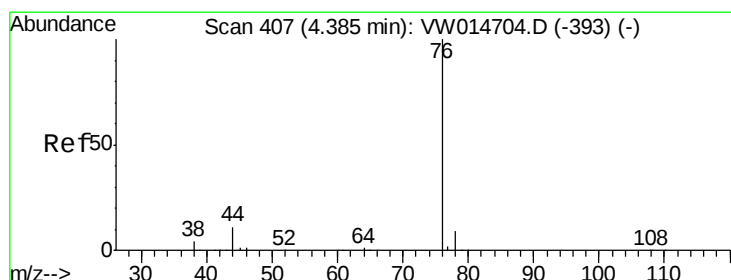
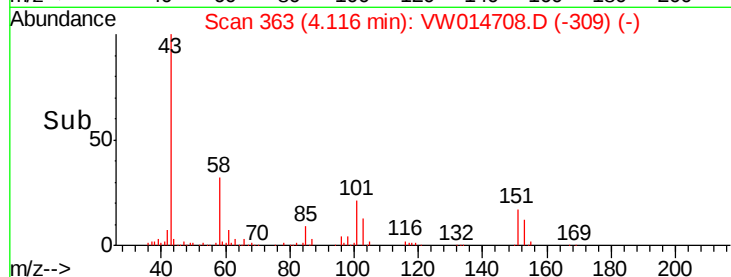
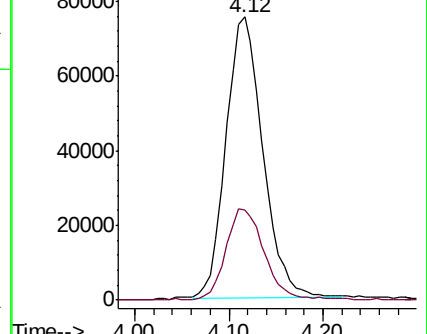
43 100

58 33.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 21.923 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014708.D

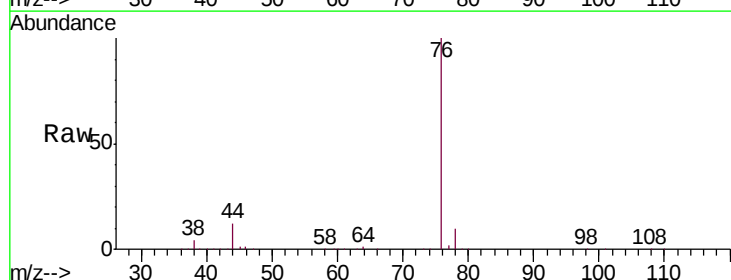
Acq: 21 Jan 2020 15:49

Tgt Ion: 76 Resp: 978261

Ion Ratio Lower Upper

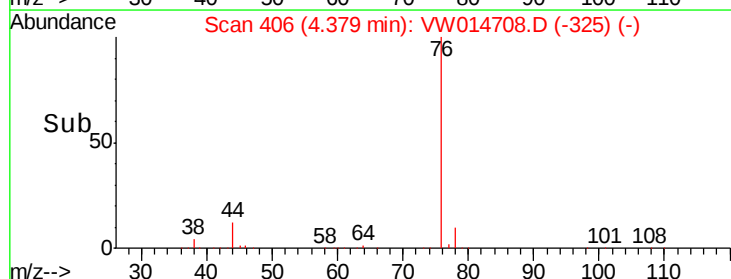
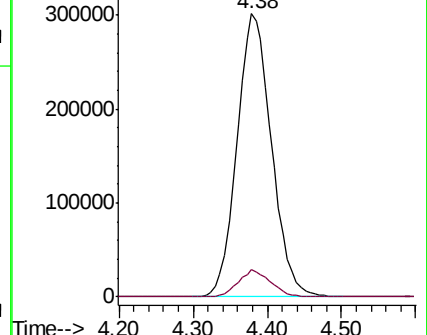
76 100

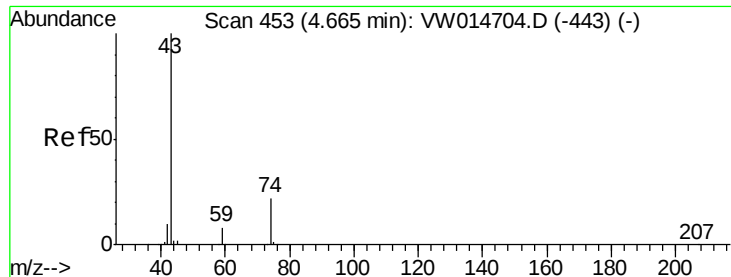
78 9.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

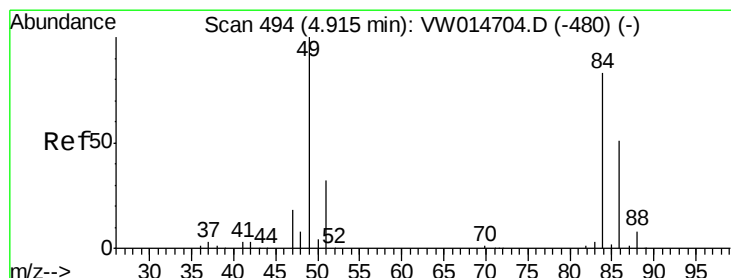
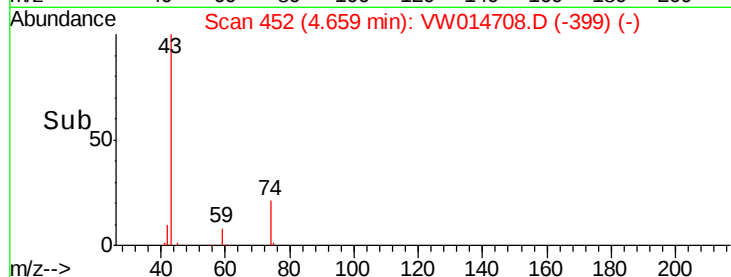
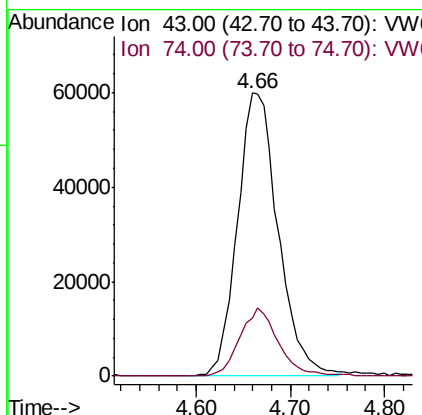
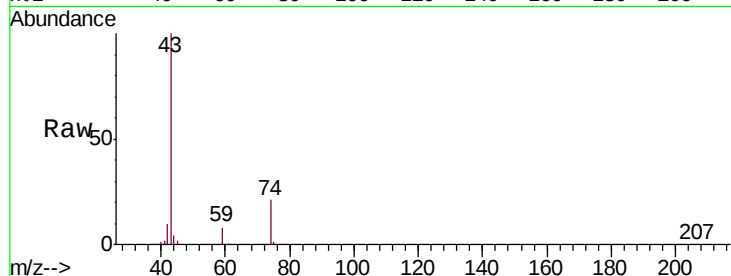




#15
Methyl Acetate
Concen: 25.408 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

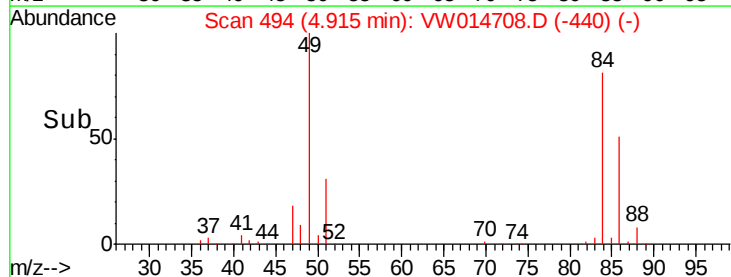
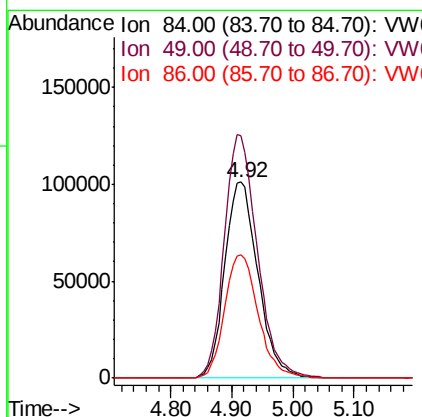
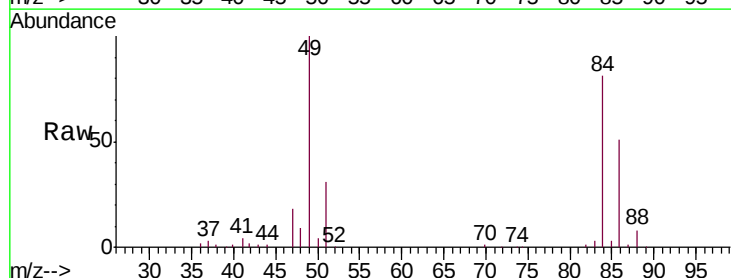
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

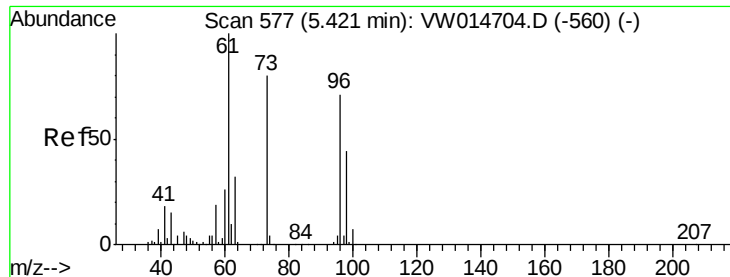
Tgt Ion: 43 Resp: 179867
Ion Ratio Lower Upper
43 100
74 22.8 18.3 27.5



#16
Methylene chloride
Concen: 20.677 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 84 Resp: 380862
Ion Ratio Lower Upper
84 100
49 123.5 85.8 159.4
86 63.2 44.5 82.7

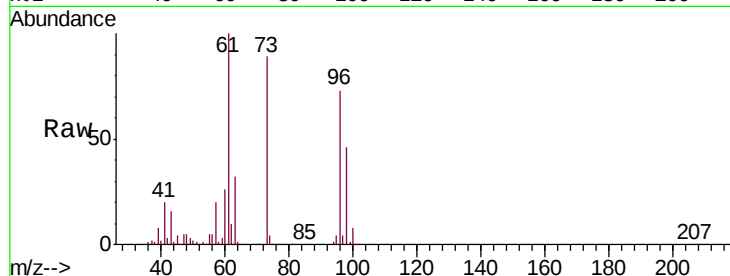




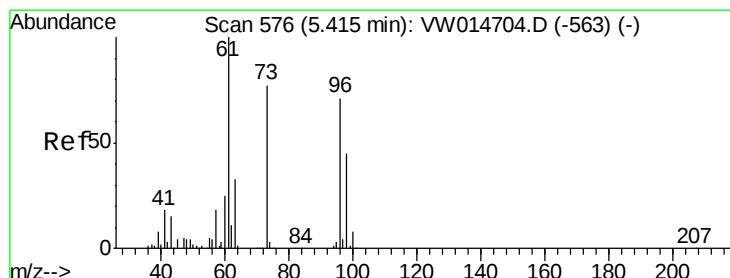
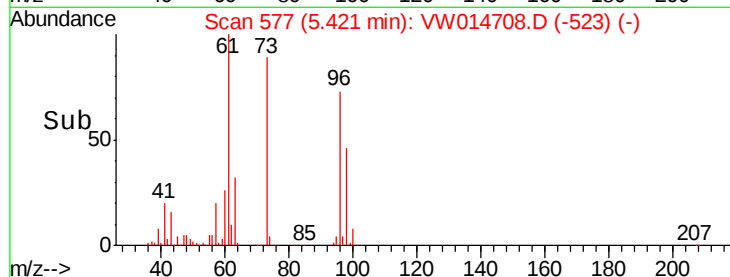
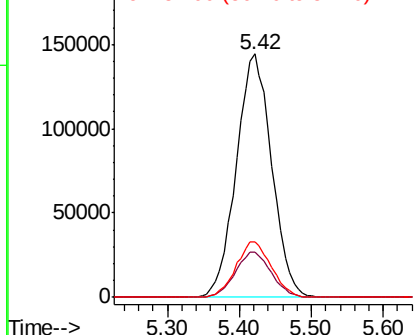
#17
Methyl tert-butyl Ether
Concen: 26.461 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

Tgt Ion: 73 Resp: 492272
Ion Ratio Lower Upper
73 100
43 18.7 15.7 23.5
57 22.7 18.3 27.5

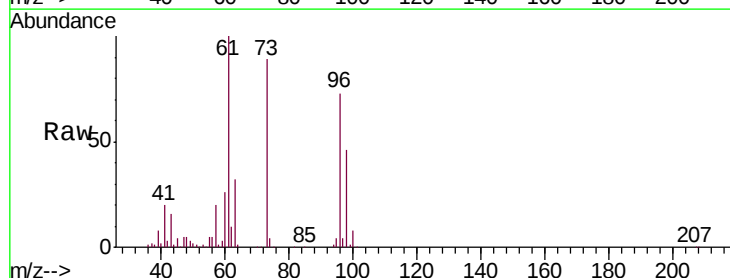


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

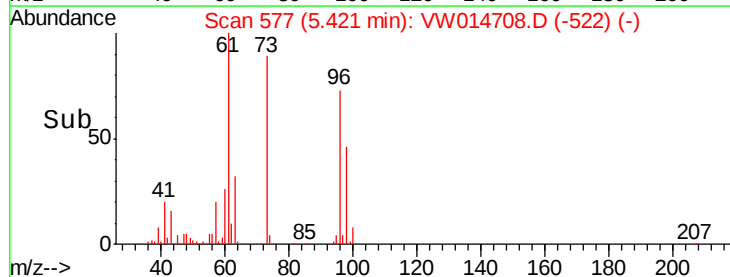
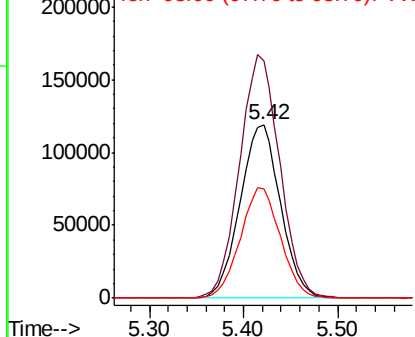


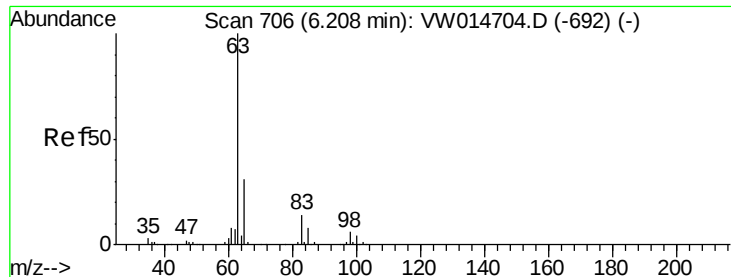
#18
trans-1,2-Dichloroethene
Concen: 23.468 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 96 Resp: 357301
Ion Ratio Lower Upper
96 100
61 136.5 98.2 182.4
98 62.6 44.1 81.9



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: 23.478 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampled :

VSTD02523

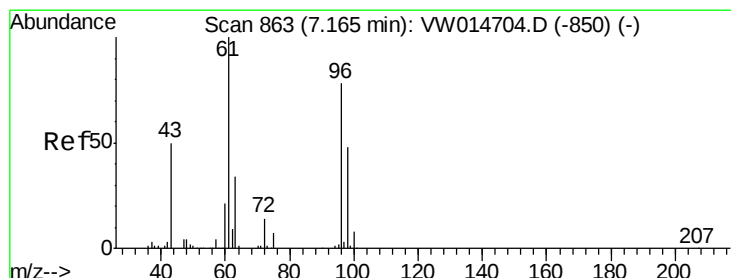
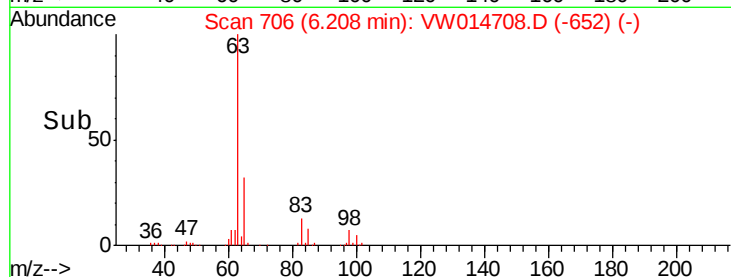
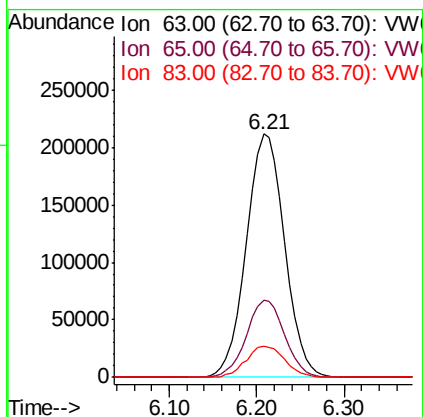
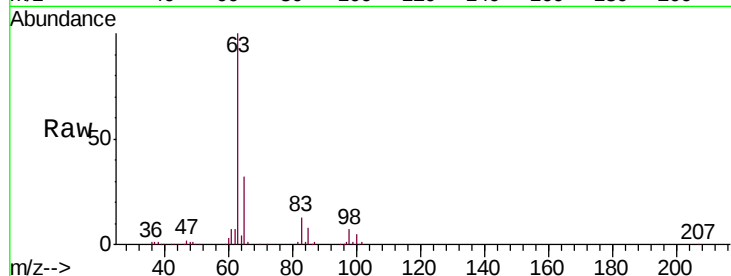
Tgt Ion: 63 Resp: 646172

Ion Ratio Lower Upper

63 100

65 31.5 21.7 40.3

83 12.9 9.0 16.8



#21

2-Butanone

Concen: 46.727 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014708.D

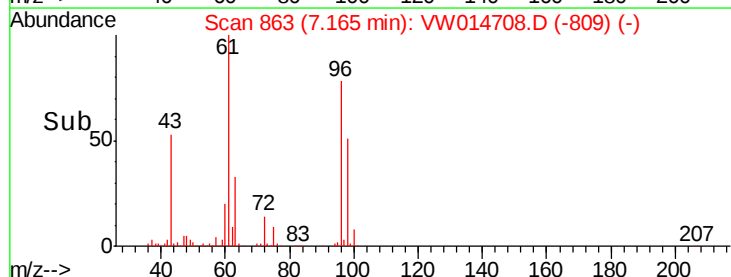
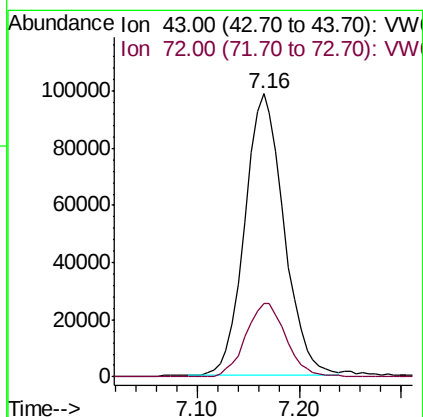
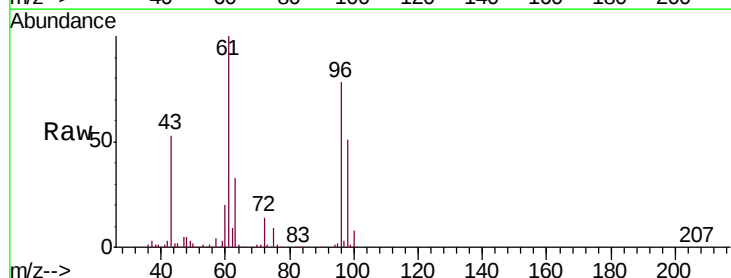
Acq: 21 Jan 2020 15:49

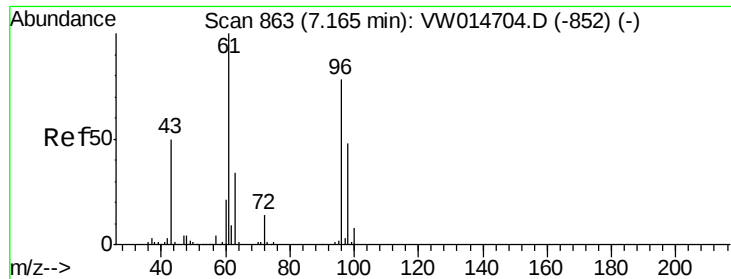
Tgt Ion: 43 Resp: 263009

Ion Ratio Lower Upper

43 100

72 27.1 13.3 39.8



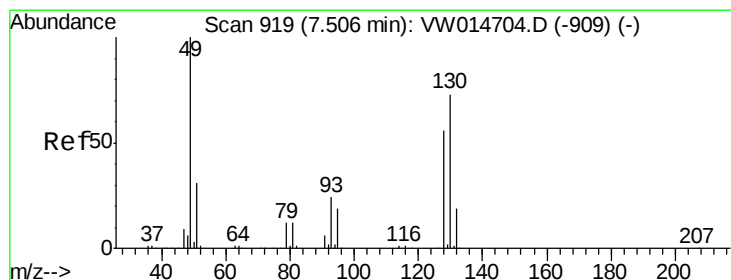
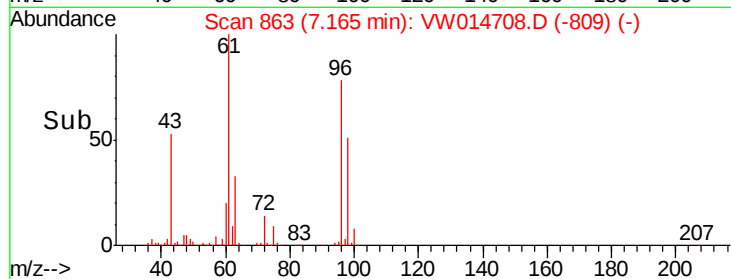
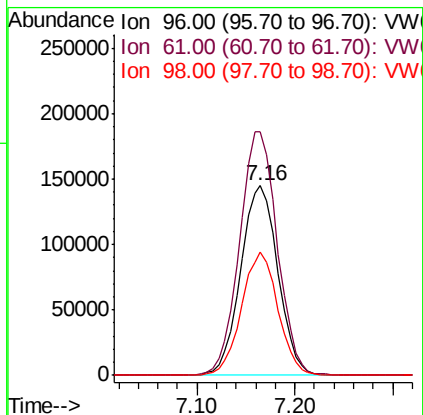
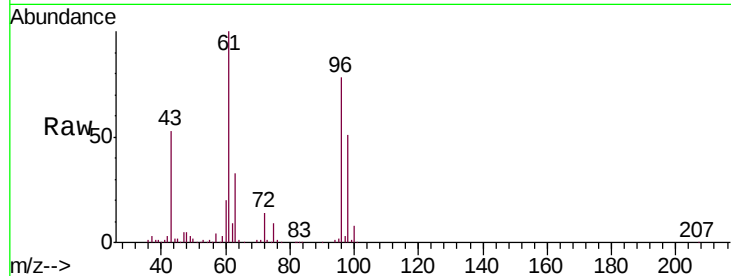


#22

cis-1,2-Dichloroethene
 Concen: 23.875 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

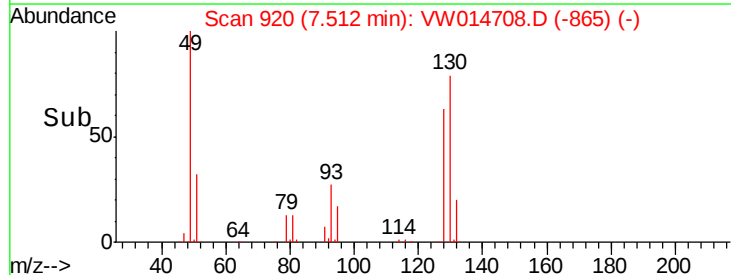
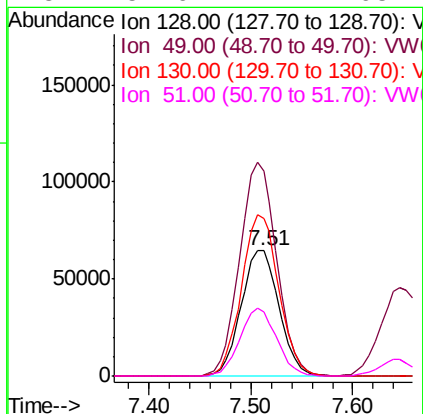
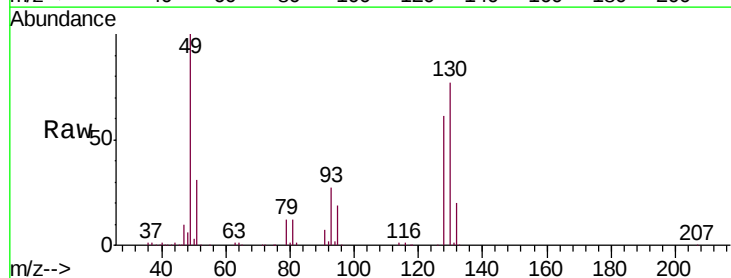
Tgt Ion: 96 Resp: 382612
 Ion Ratio Lower Upper
 96 100
 61 128.6 91.5 169.9
 98 65.4 46.9 87.1

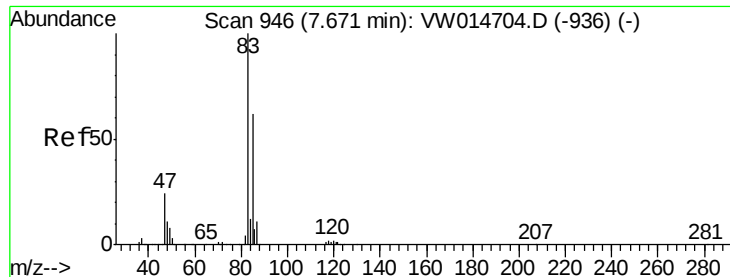


#23

Bromochloromethane
 Concen: 24.031 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Tgt Ion: 128 Resp: 166717
 Ion Ratio Lower Upper
 128 100
 49 164.0 118.3 219.7
 130 125.5 89.5 166.1
 51 51.6 42.1 63.1

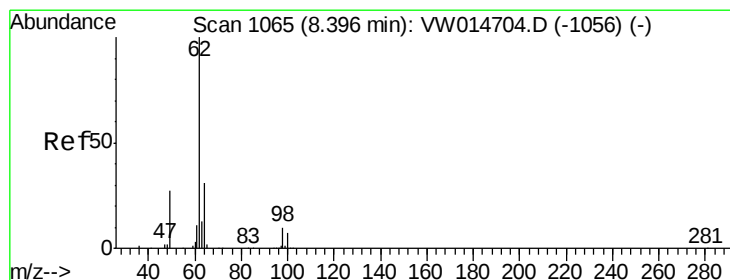
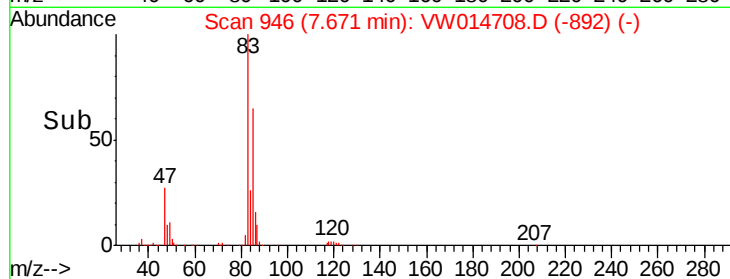
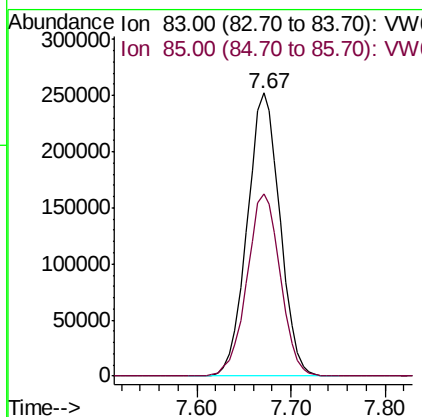
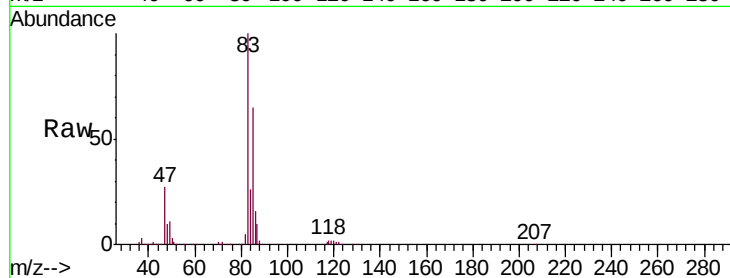




#25
Chloroform
Concen: 23.355 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

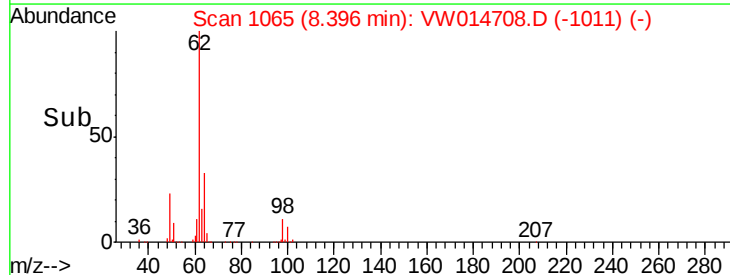
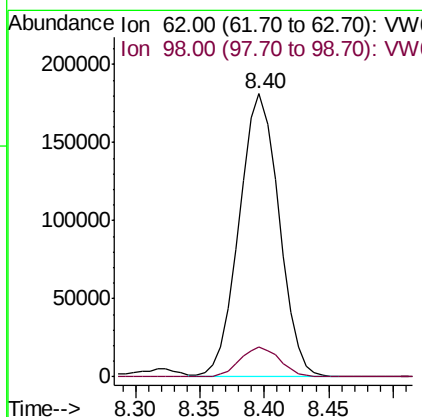
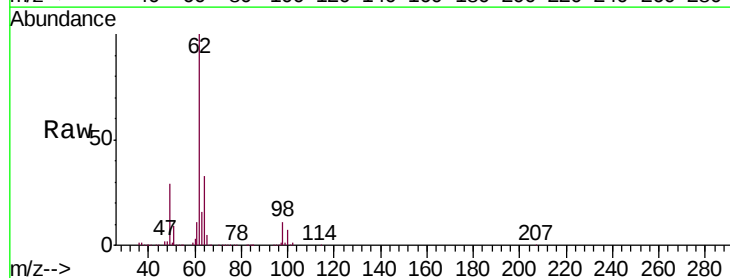
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

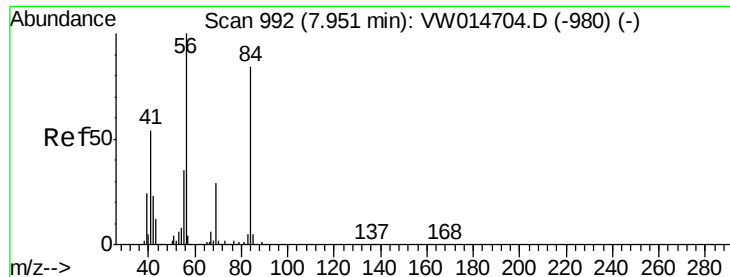
Tgt Ion: 83 Resp: 614817
Ion Ratio Lower Upper
83 100
85 65.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 22.843 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 62 Resp: 390364
Ion Ratio Lower Upper
62 100
98 10.6 8.3 12.5

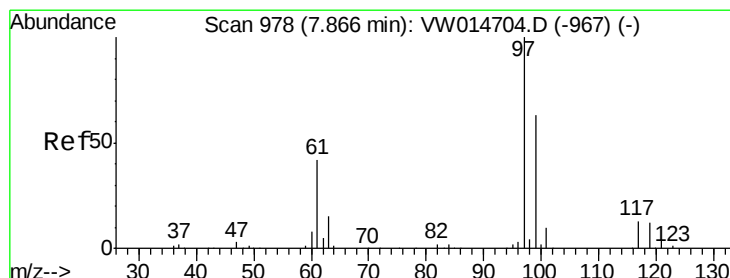
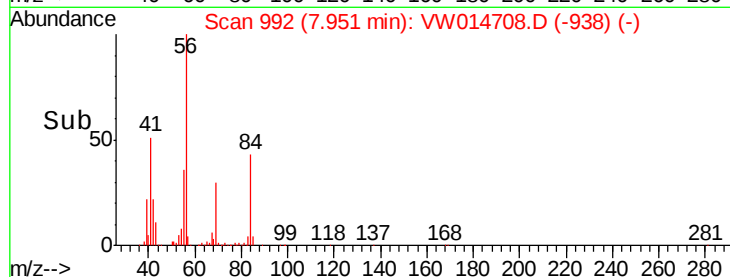
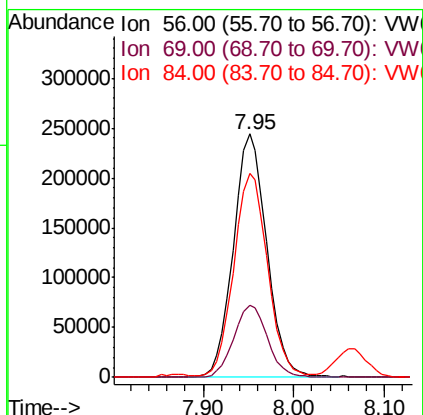
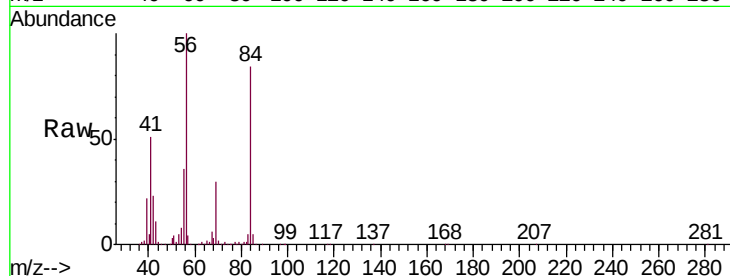




#30
Cyclohexane
Concen: 24.645 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

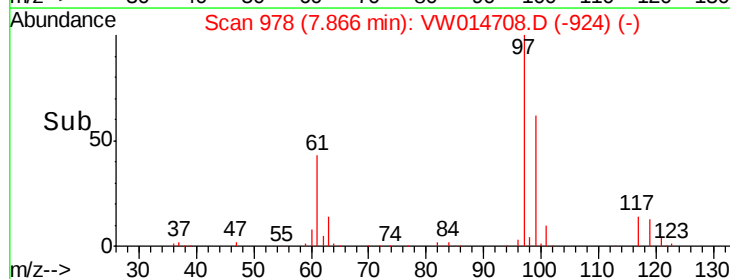
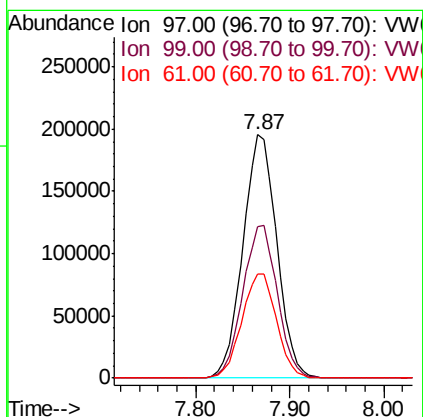
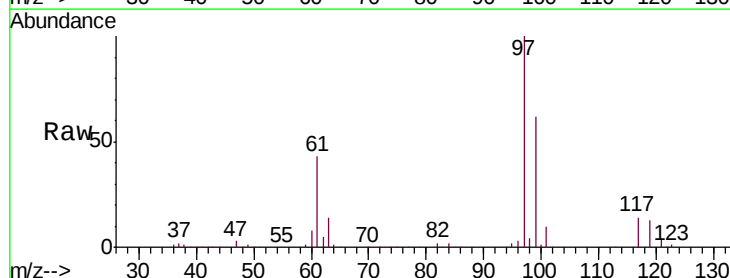
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

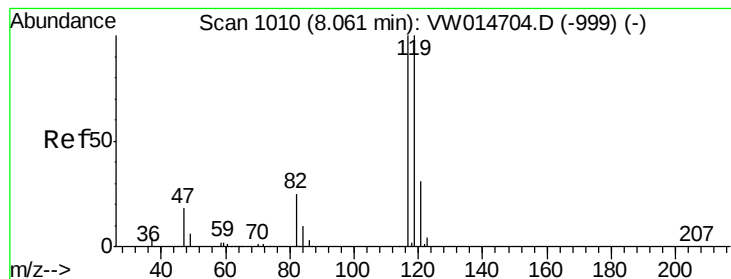
Tgt Ion: 56 Resp: 625409
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.8
84 85.2 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 24.080 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 97 Resp: 490018
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 43.9 35.3 52.9





#32

Carbon tetrachloride

Concen: 23.585 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

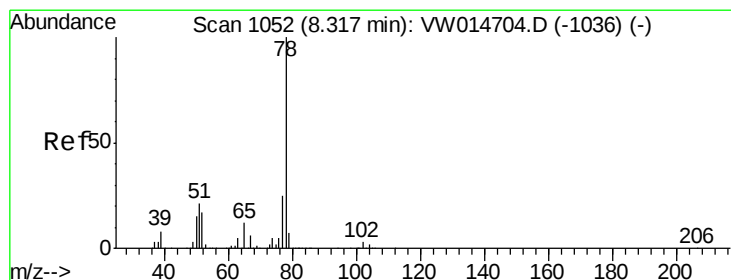
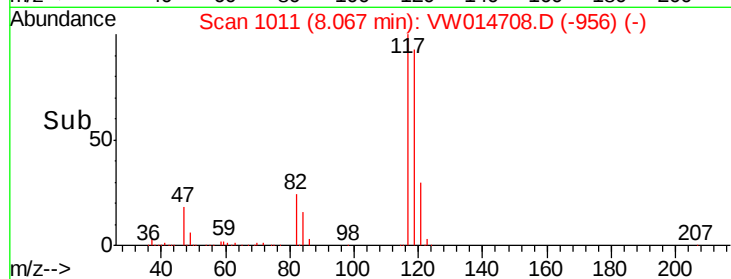
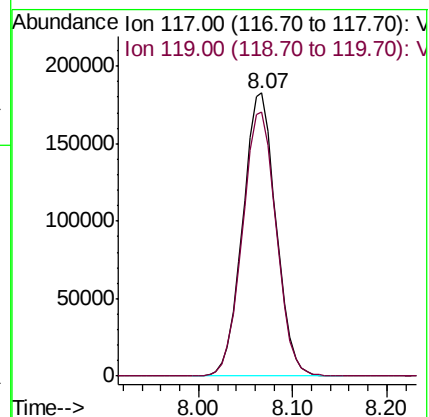
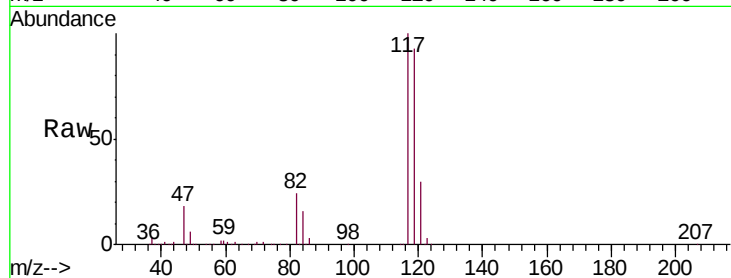
VSTD02523

Tgt Ion:117 Resp: 447175

Ion Ratio Lower Upper

117 100

119 95.2 77.6 116.4



#34

Benzene

Concen: 24.250 ug/L

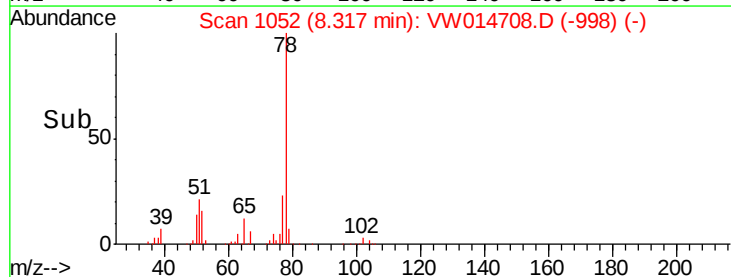
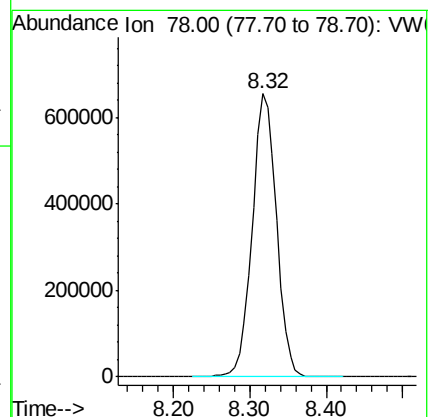
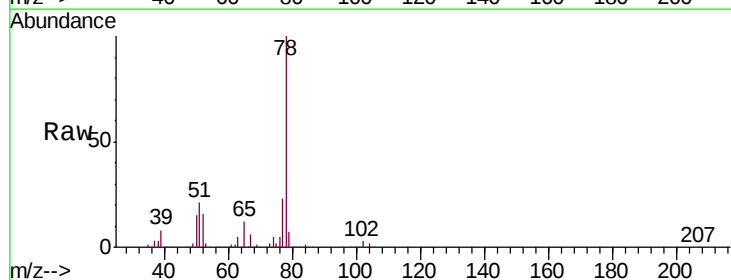
RT: 8.32 min Scan# 1052

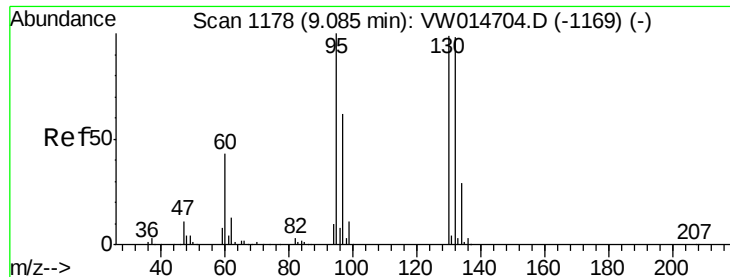
Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Tgt Ion: 78 Resp: 1447701





#35

Trichloroethene

Concen: 23.759 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 95 Resp: 366070

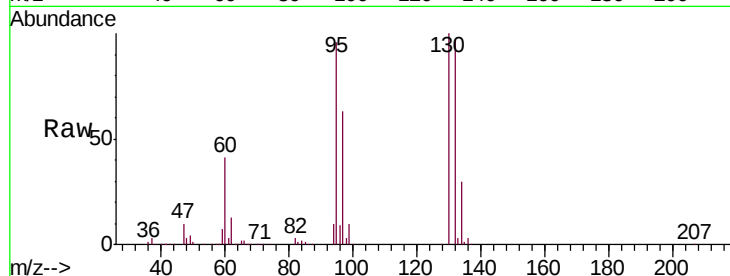
Ion Ratio Lower Upper

95 100

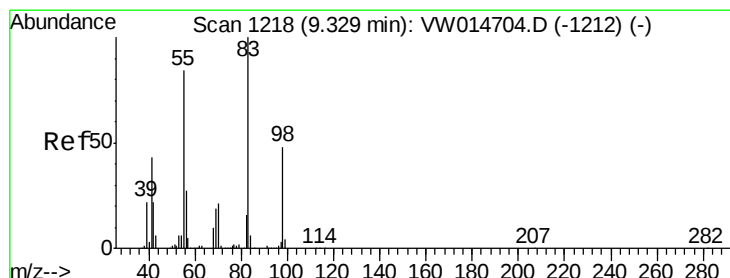
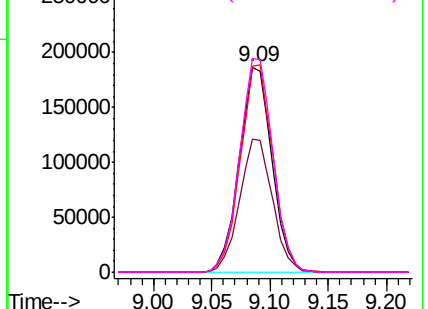
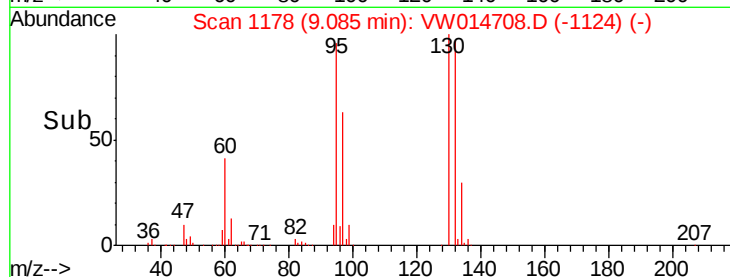
97 65.2 44.3 82.3

132 101.0 69.2 128.6

130 105.6 72.3 134.3



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: 23.642 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

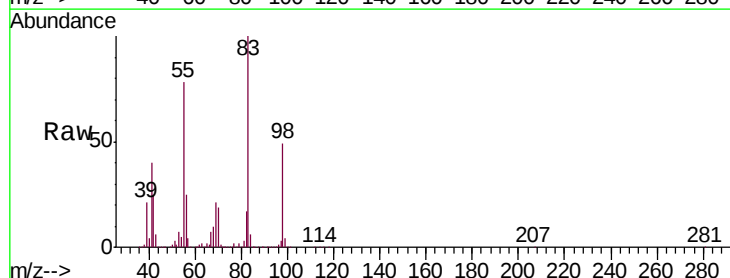
Tgt Ion: 83 Resp: 639054

Ion Ratio Lower Upper

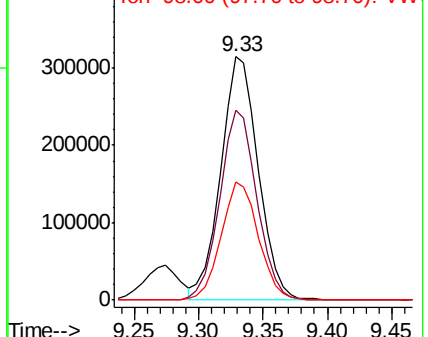
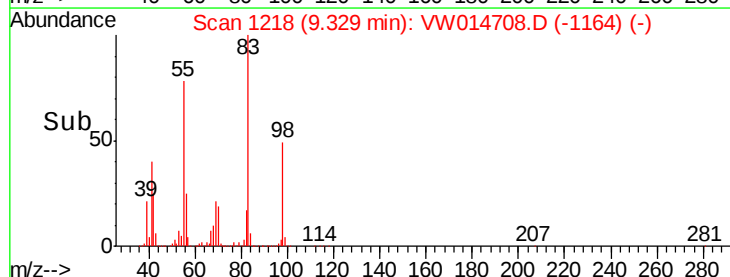
83 100

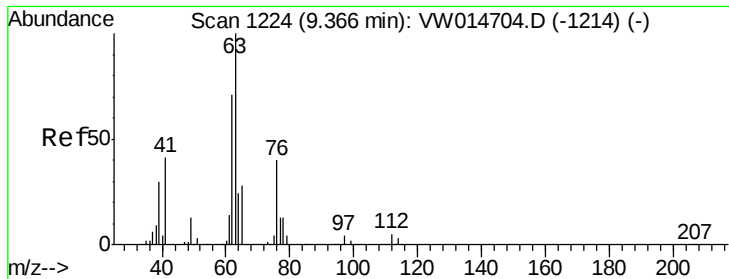
55 77.2 63.7 95.5

98 48.6 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

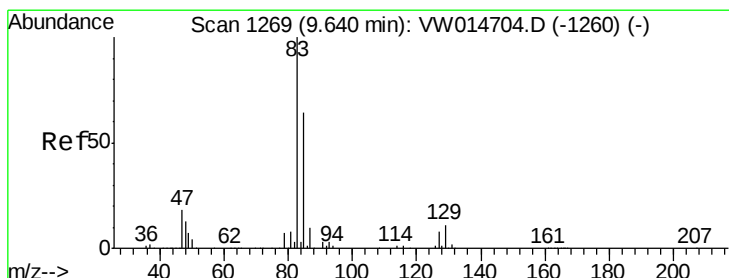
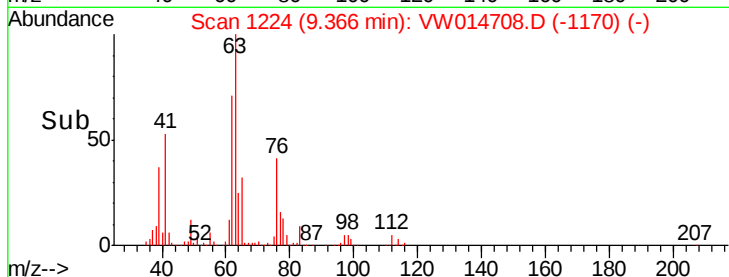
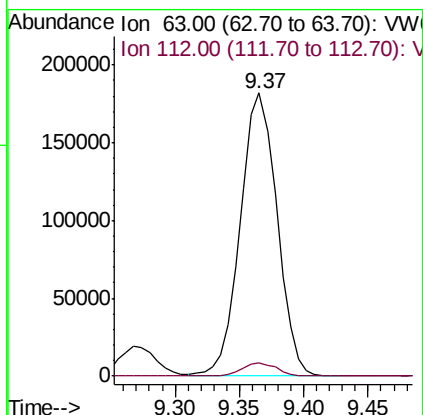
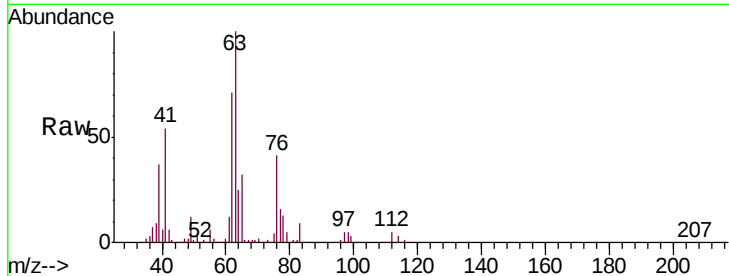




#40
 1,2-Dichloropropane
 Concen: 23.845 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

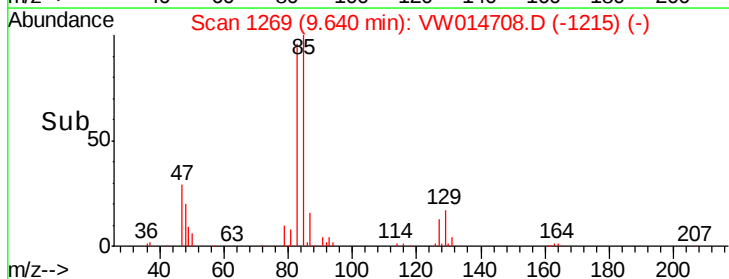
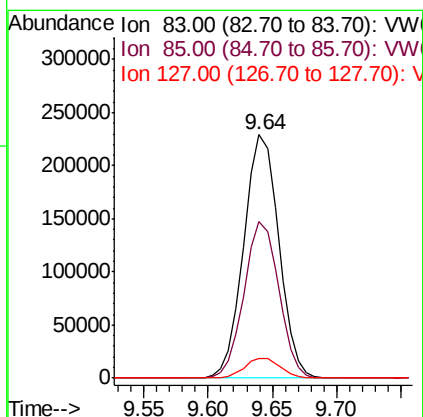
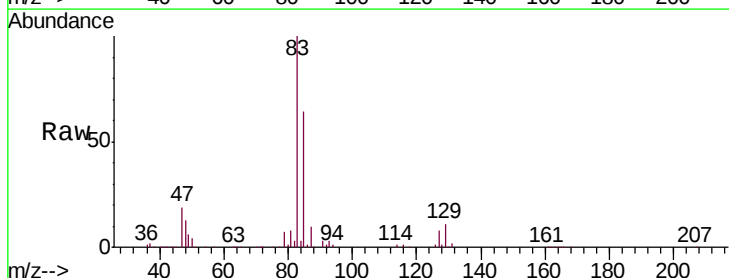
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

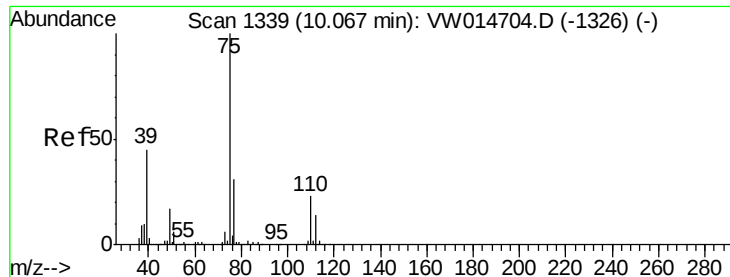
Tgt Ion: 63 Resp: 360305
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.803 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Tgt Ion: 83 Resp: 432627
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 83.1
 127 8.3 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 24.579 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

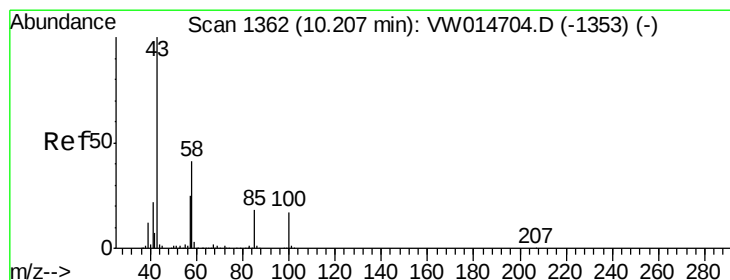
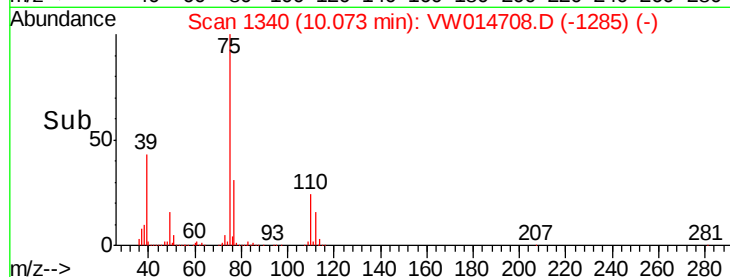
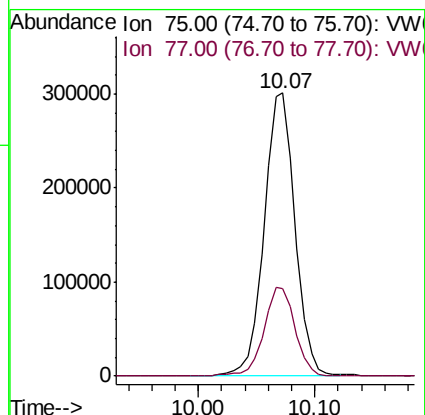
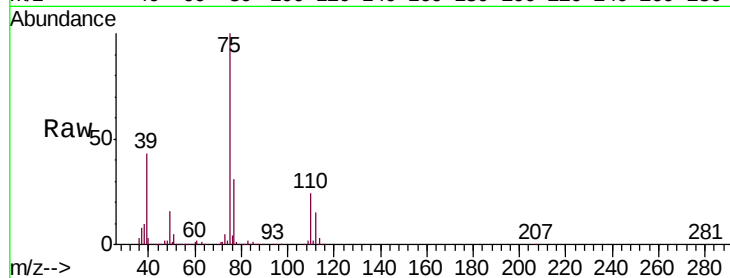
VSTD02523

Tgt Ion: 75 Resp: 554796

Ion Ratio Lower Upper

75 100

77 31.1 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 51.691 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

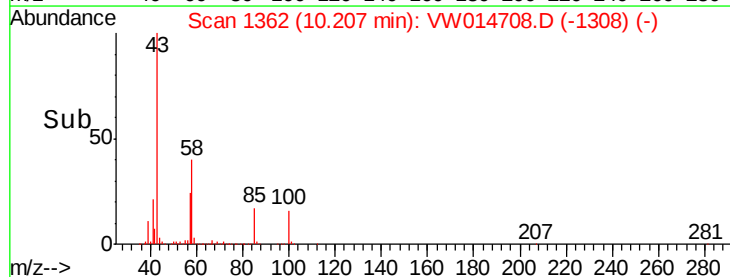
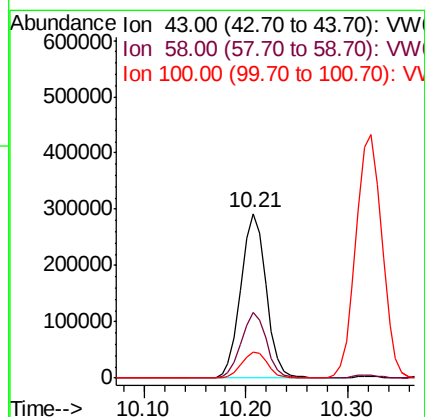
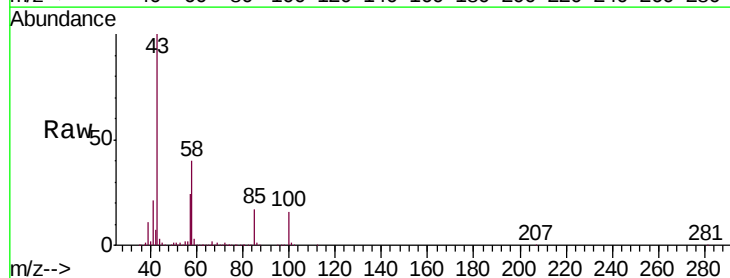
Tgt Ion: 43 Resp: 501413

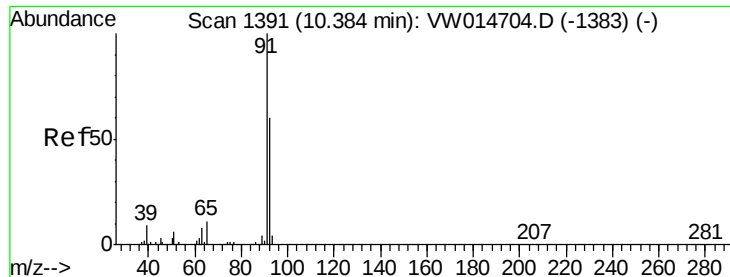
Ion Ratio Lower Upper

43 100

58 39.8 32.6 48.8

100 16.0 12.6 19.0





#44

Toluene

Concen: 24.479 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

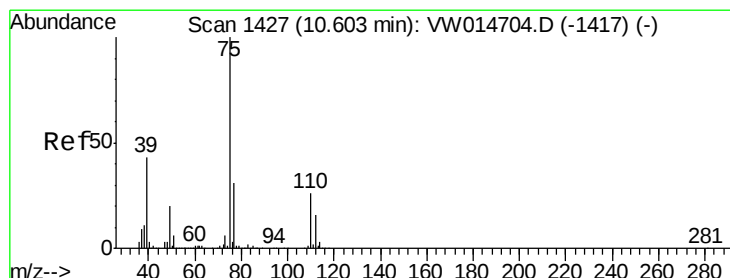
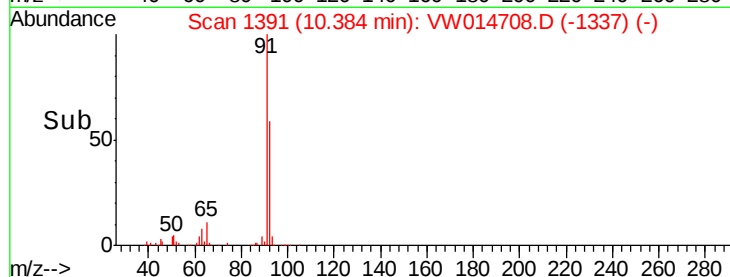
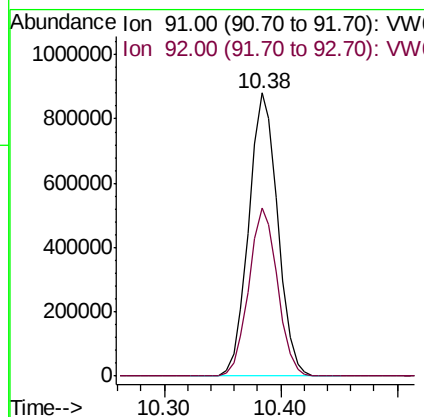
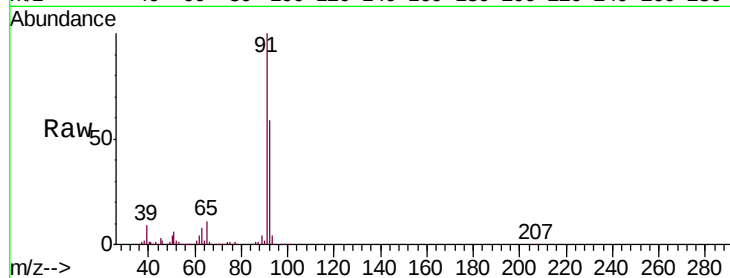
VSTD02523

Tgt Ion: 91 Resp: 1527164

Ion Ratio Lower Upper

91 100

92 59.3 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 24.230 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014708.D

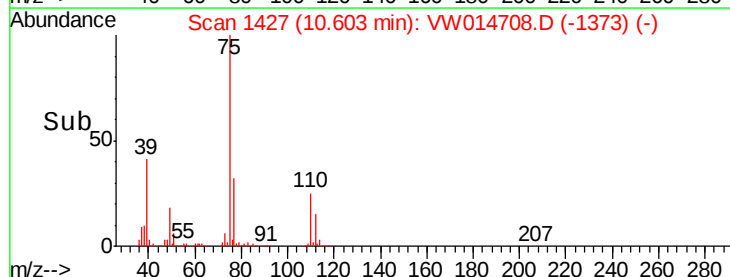
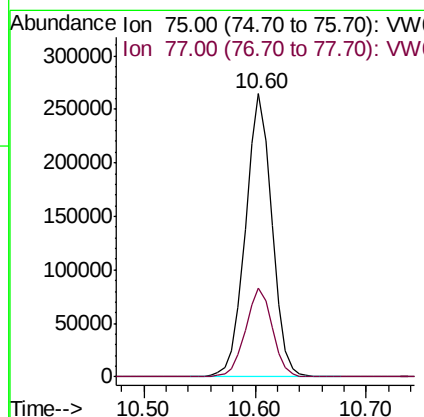
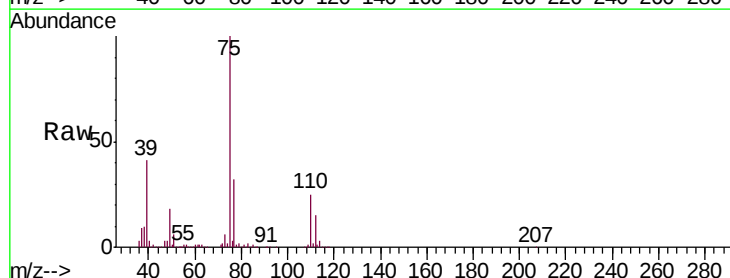
Acq: 21 Jan 2020 15:49

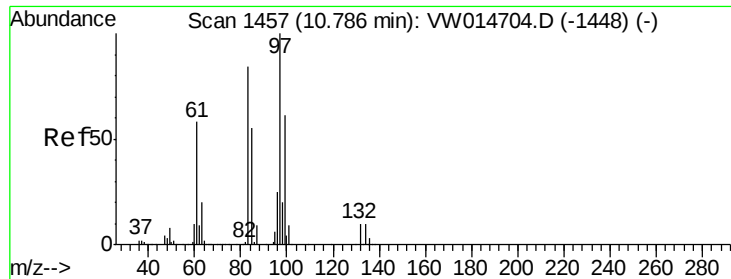
Tgt Ion: 75 Resp: 437321

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 24.528 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

Tgt Ion: 97 Resp: 262520

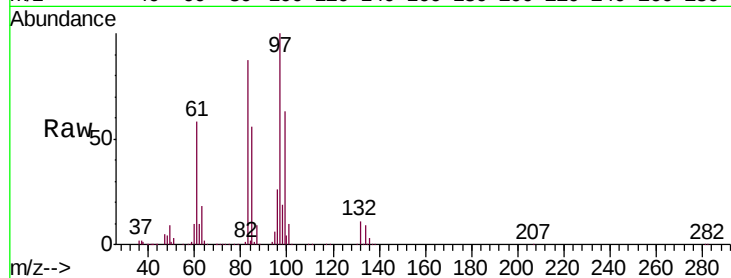
Ion Ratio Lower Upper

97 100

83 86.8 60.1 111.5

85 55.7 38.1 70.9

99 63.1 43.4 80.6

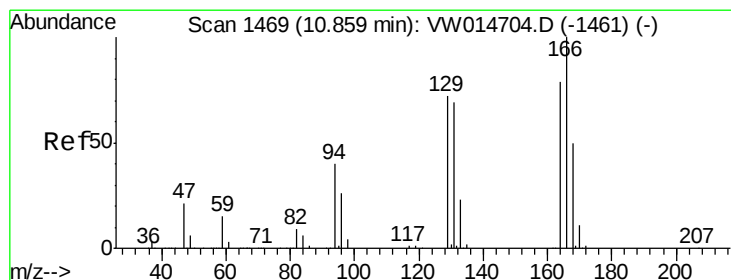
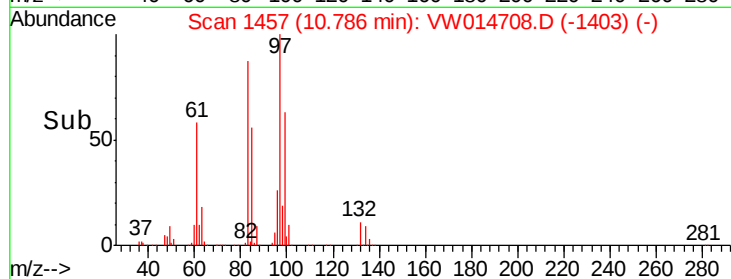
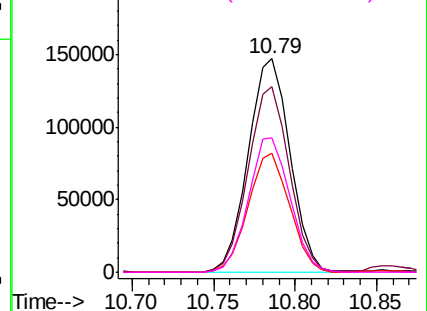


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.055 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Tgt Ion: 164 Resp: 311209

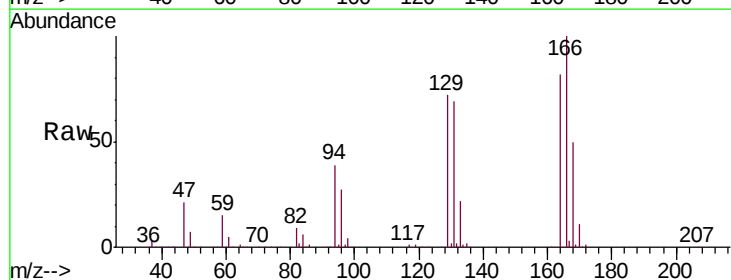
Ion Ratio Lower Upper

164 100

129 88.1 64.0 118.8

131 85.0 60.2 111.8

166 122.6 88.2 163.8

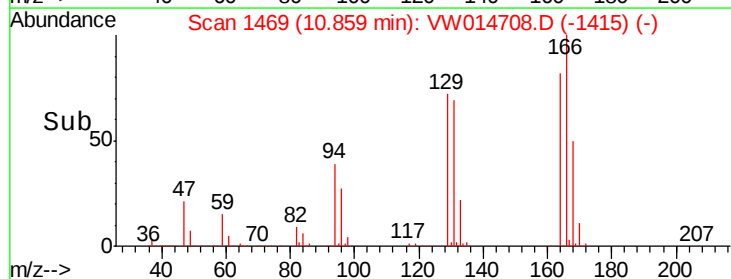
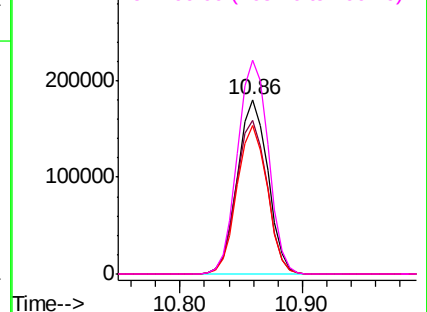


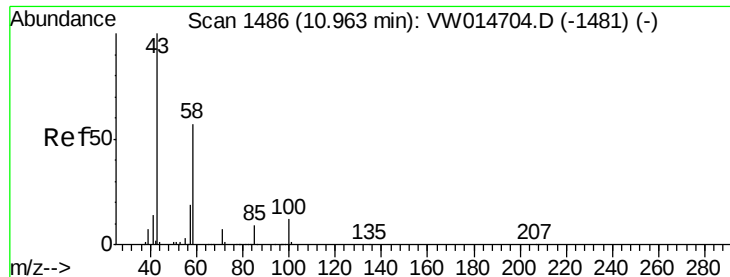
Abundance Ion 164.00 (163.70 to 164.70): V

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

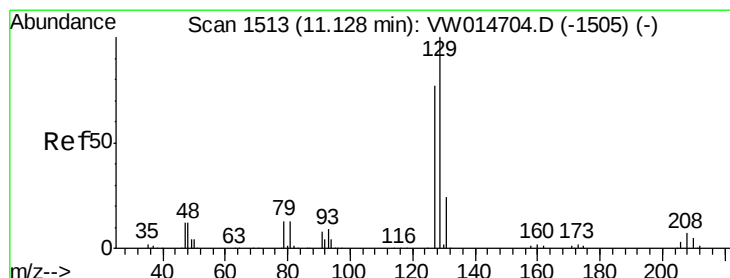
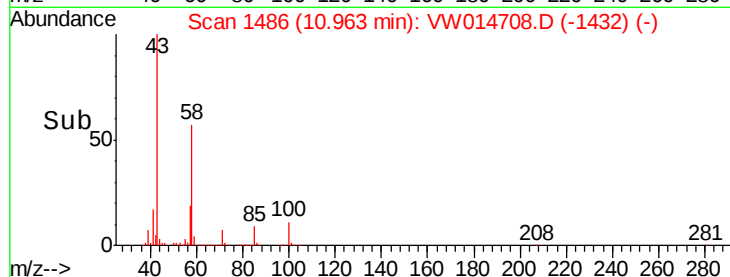
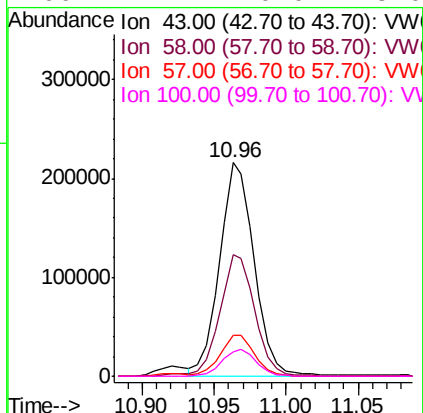
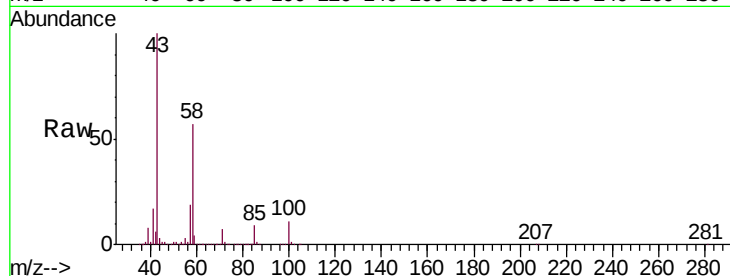




#49
2-Hexanone
Concen: 54.971 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

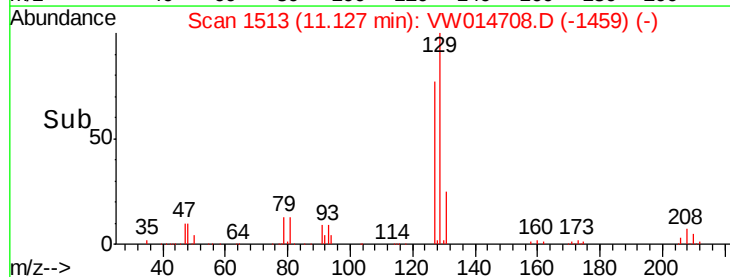
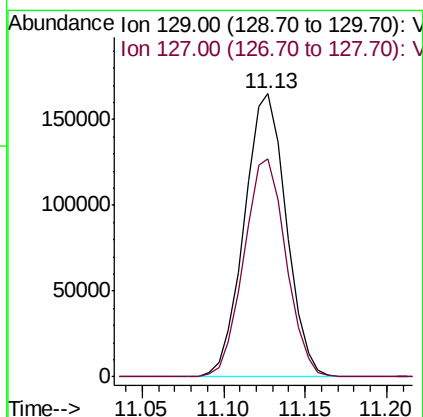
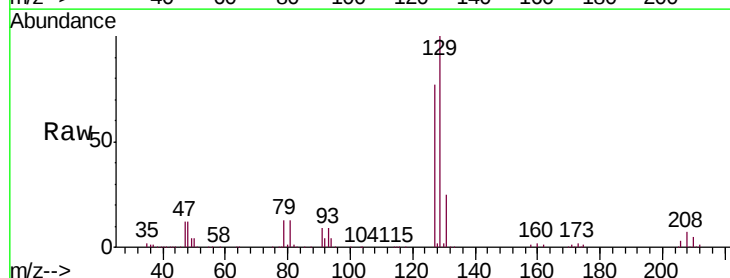
Instrument :
MSVOA_W
ClientSampleId :
VSTD02523

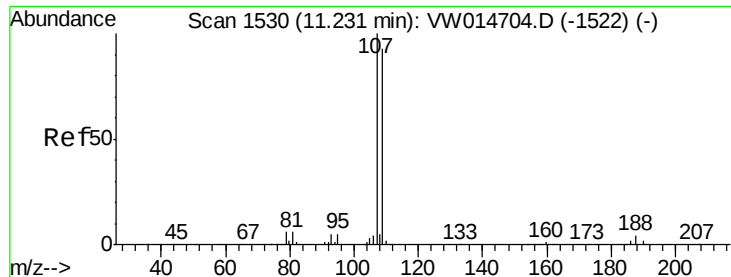
Tgt Ion: 43 Resp: 364122
Ion Ratio Lower Upper
43 100
58 56.2 44.9 67.3
57 19.3 15.3 22.9
100 12.4 10.0 15.0



#50
Dibromochloromethane
Concen: 24.332 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion: 129 Resp: 295707
Ion Ratio Lower Upper
129 100
127 76.9 51.1 94.9





#51

1,2-Dibromoethane

Concen: 24.599 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

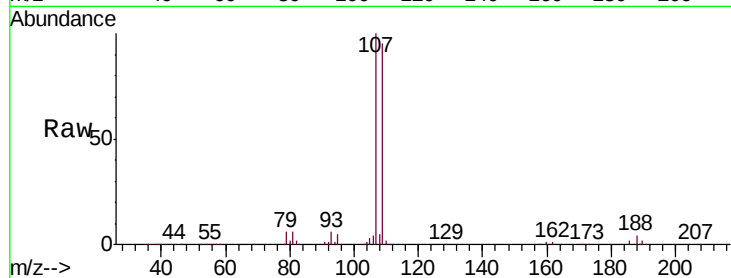
Tgt Ion:107 Resp: 248520

Ion Ratio Lower Upper

107 100

109 94.7 64.7 120.1

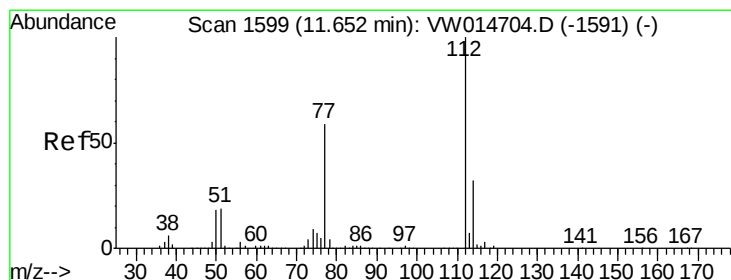
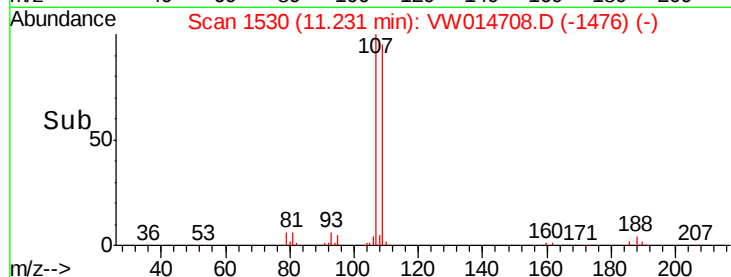
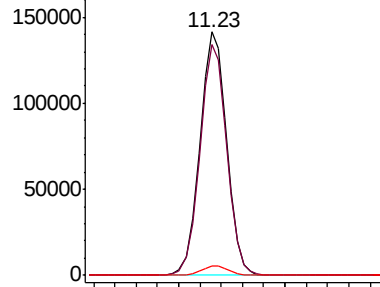
188 4.1 3.0 4.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.024 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

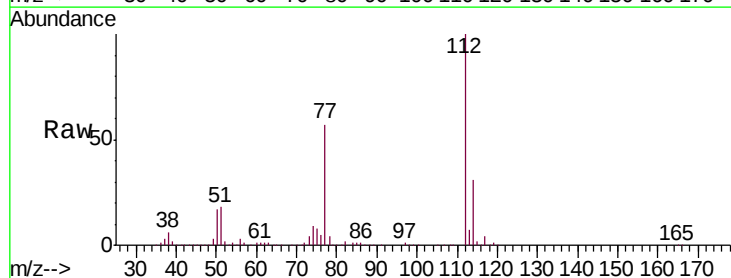
Tgt Ion:112 Resp: 947438

Ion Ratio Lower Upper

112 100

77 57.1 48.2 72.2

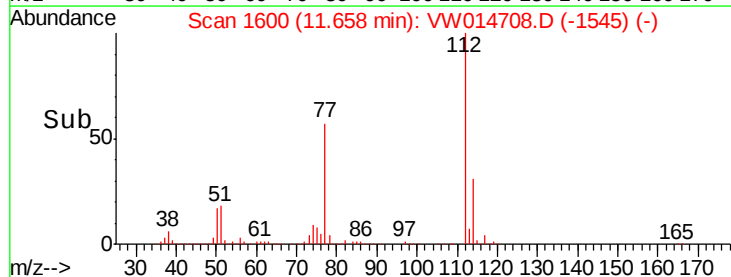
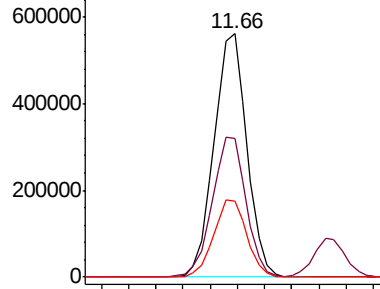
114 31.3 22.9 42.5

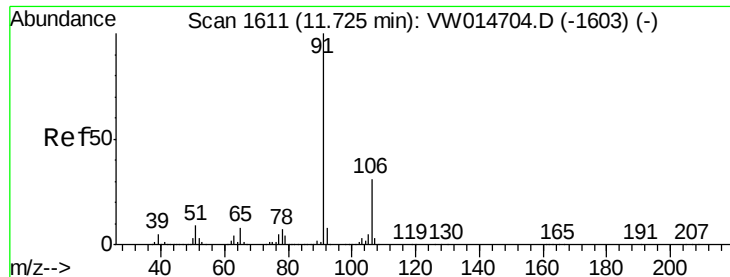


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.409 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

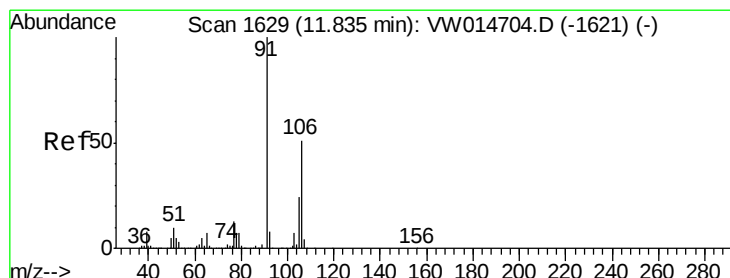
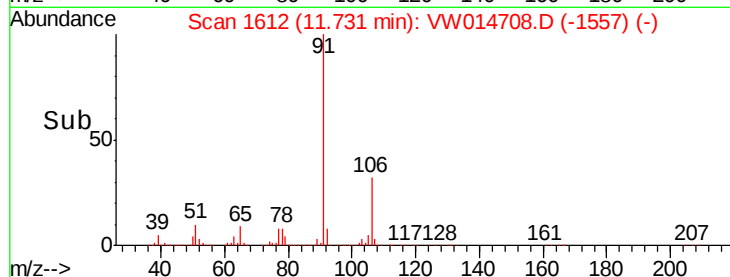
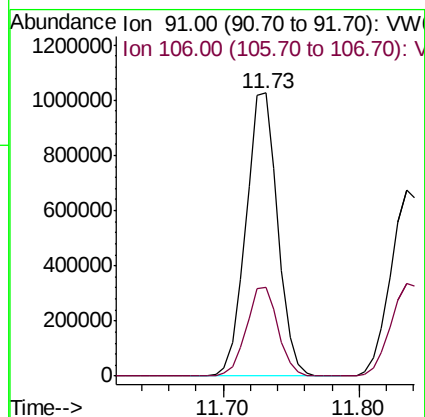
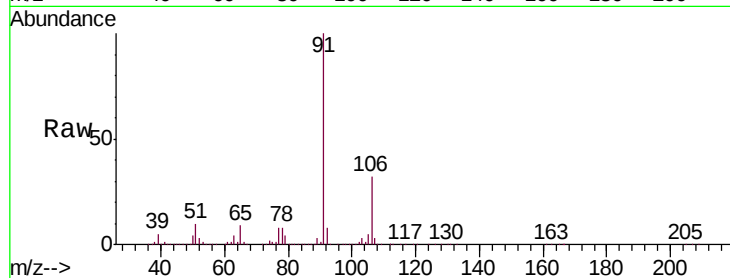
VSTD02523

Tgt Ion: 91 Resp: 1674358

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.6



#54

m,p-Xylene

Concen: 24.616 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014708.D

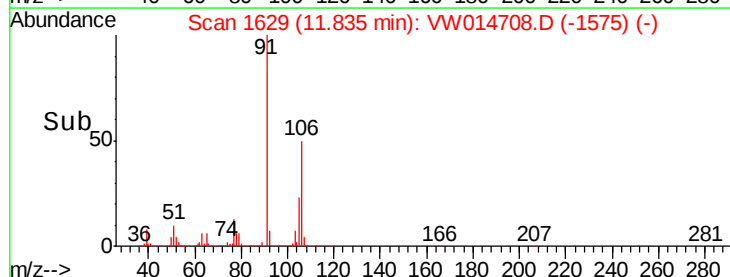
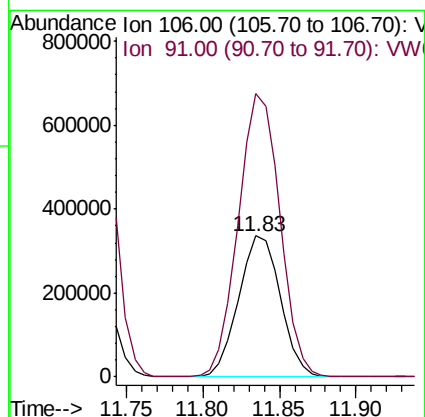
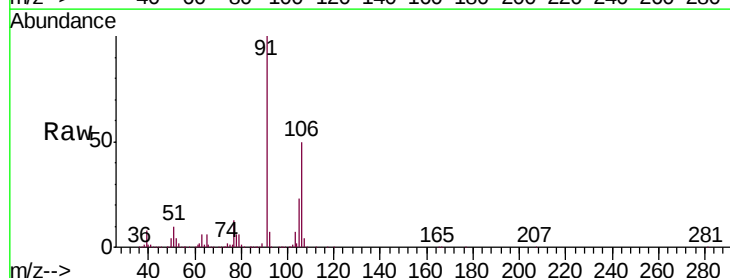
Acq: 21 Jan 2020 15:49

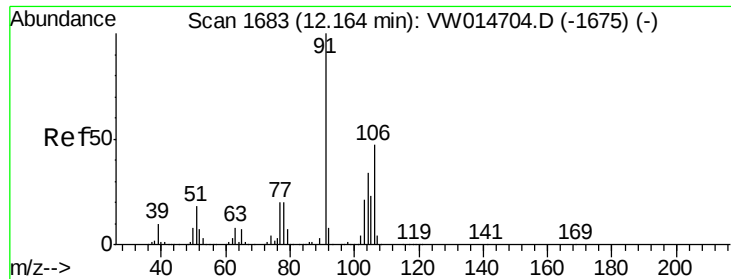
Tgt Ion: 106 Resp: 638973

Ion Ratio Lower Upper

106 100

91 201.1 142.2 264.0

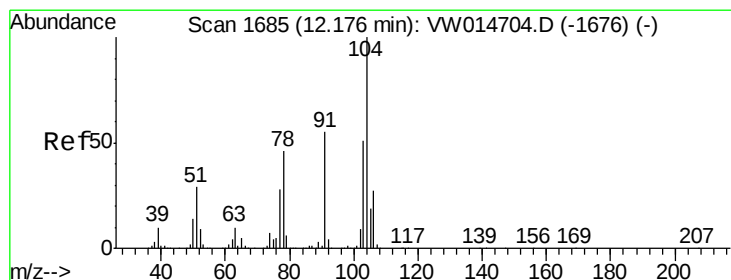
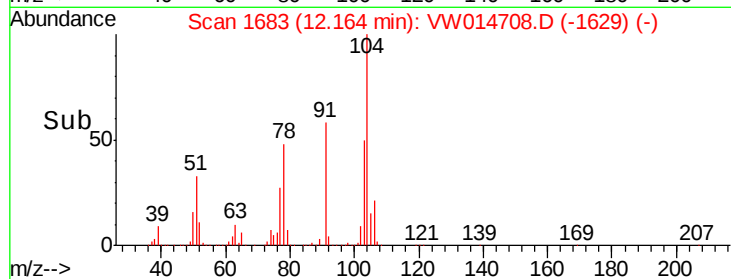
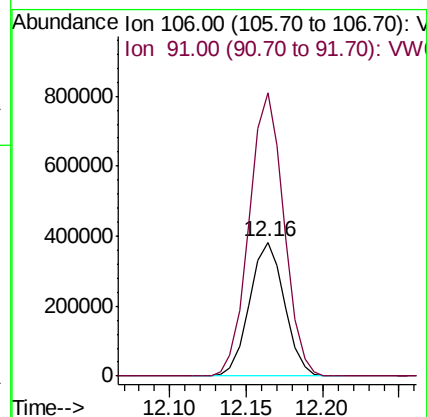
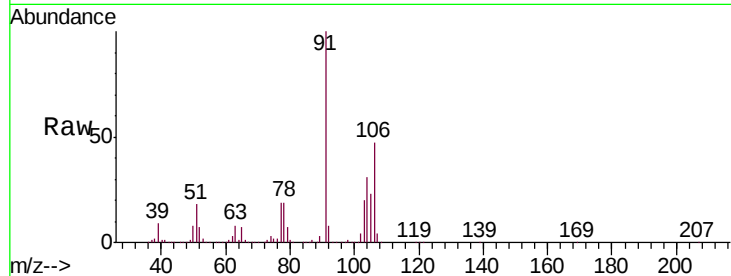




#55
o-xylene
Concen: 24.704 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

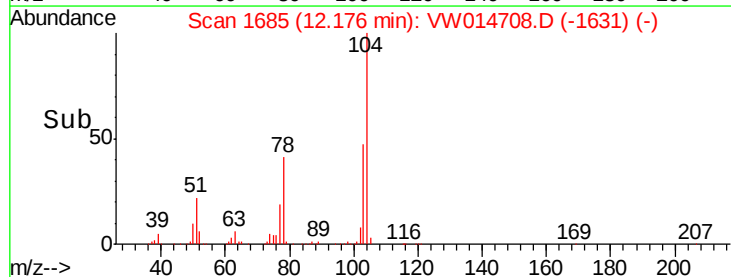
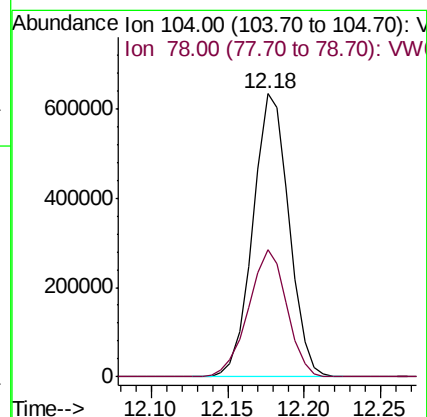
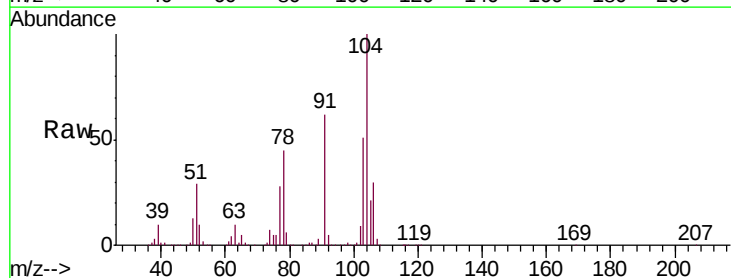
Instrument :
MSVOA_W
ClientSampled :
VSTD02523

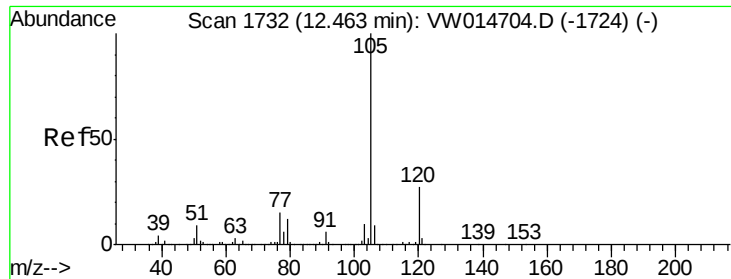
Tgt Ion:106 Resp: 605708
Ion Ratio Lower Upper
106 100
91 211.0 148.7 276.1



#56
Styrene
Concen: 25.157 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014708.D
Acq: 21 Jan 2020 15:49

Tgt Ion:104 Resp: 1038189
Ion Ratio Lower Upper
104 100
78 45.0 32.3 60.1





#57

Isopropylbenzene

Concen: 24.881 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

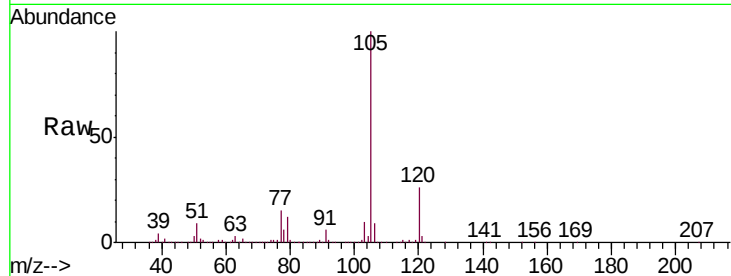
Tgt Ion: 105 Resp: 1622731

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

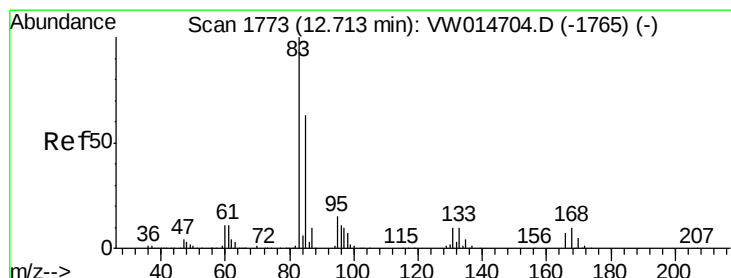
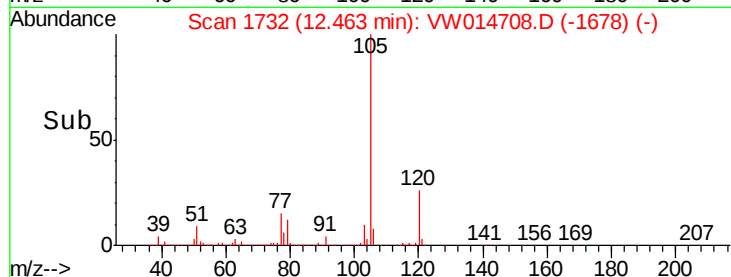
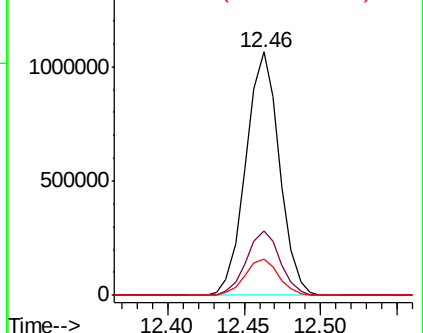
77 15.0 12.2 18.2



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: 24.644 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

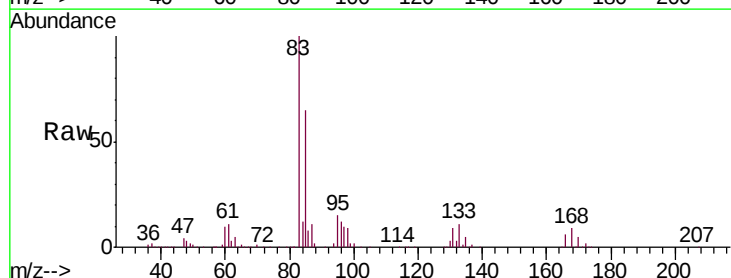
Tgt Ion: 83 Resp: 320245

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1

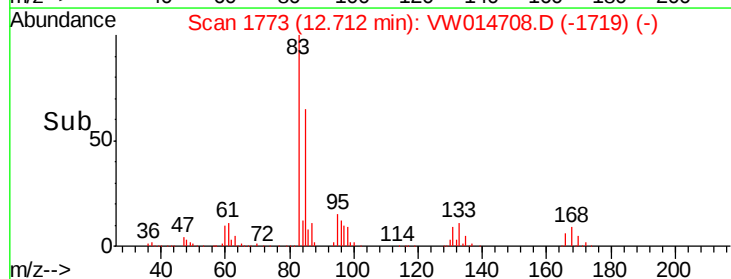
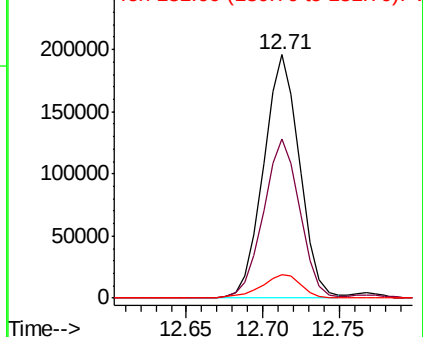
131 9.4 8.0 12.0

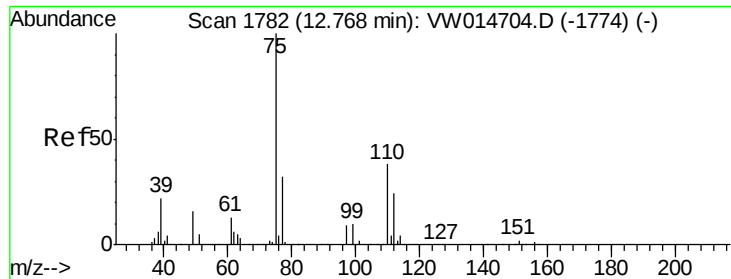


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.499 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

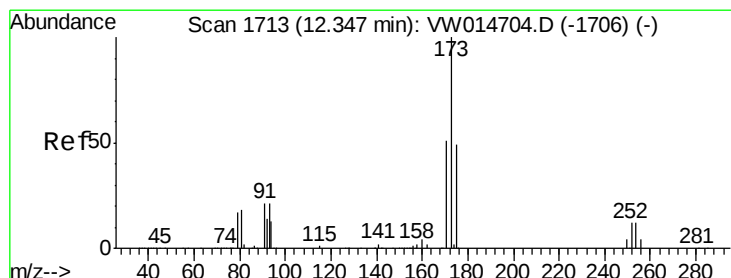
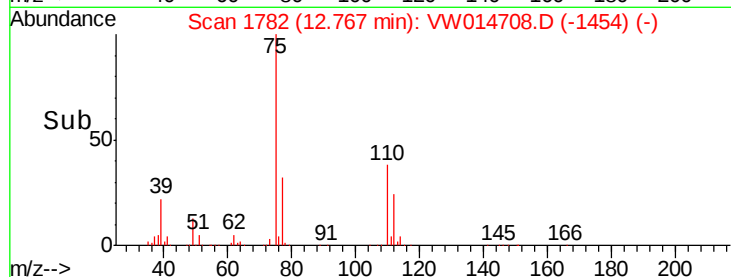
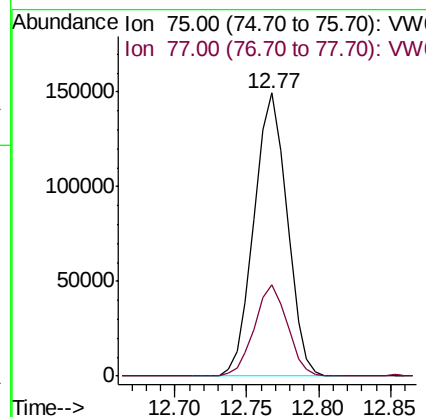
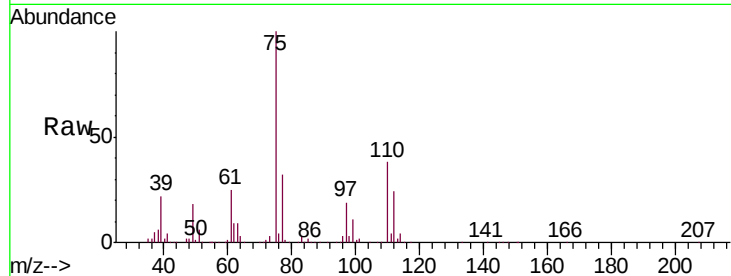
VSTD02523

Tgt Ion: 75 Resp: 238494

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#62

Bromoform

Concen: 24.293 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

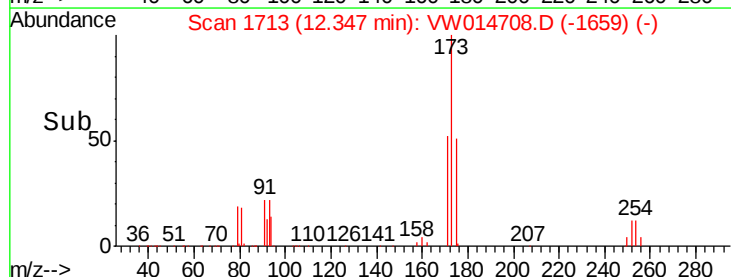
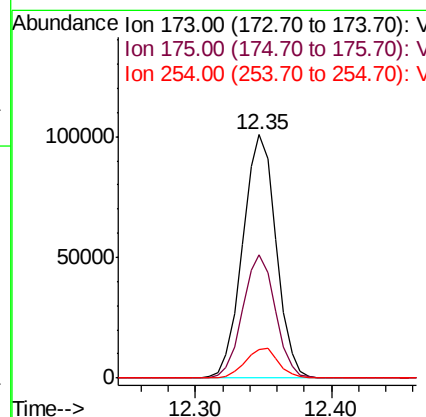
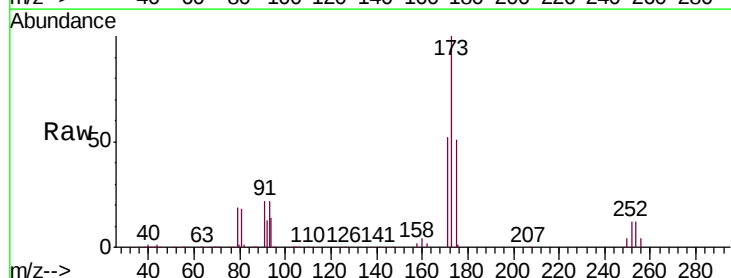
Tgt Ion: 173 Resp: 173199

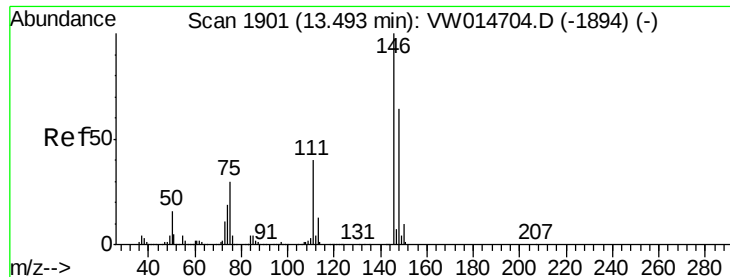
Ion Ratio Lower Upper

173 100

175 49.3 40.5 60.7

254 12.1 9.3 13.9





#63

1,3-Dichlorobenzene

Concen: 23.928 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

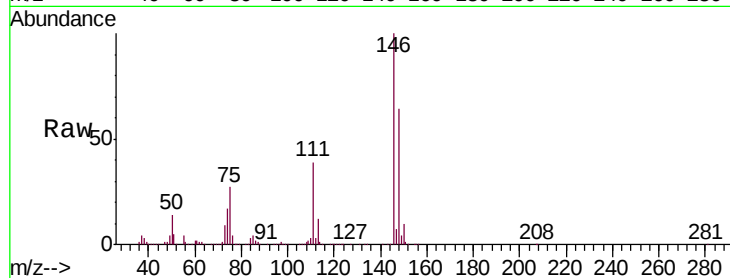
Tgt Ion:146 Resp: 722799

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

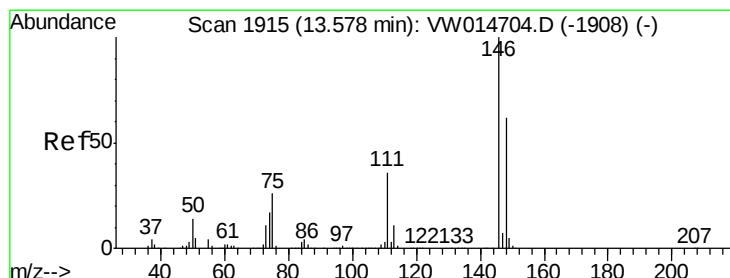
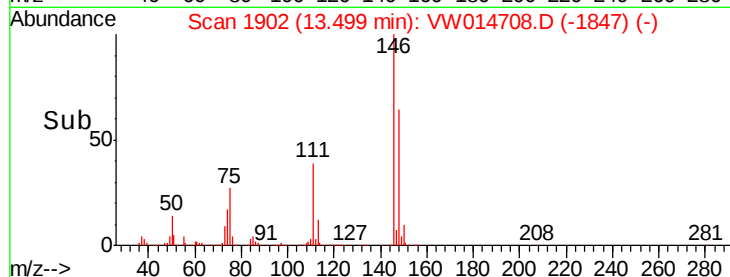
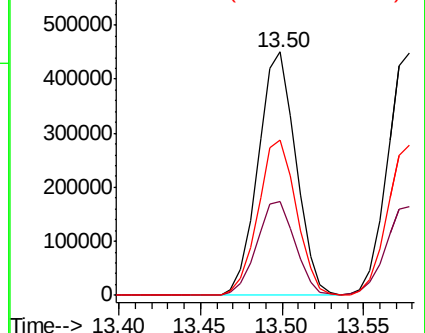
148 63.8 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.901 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

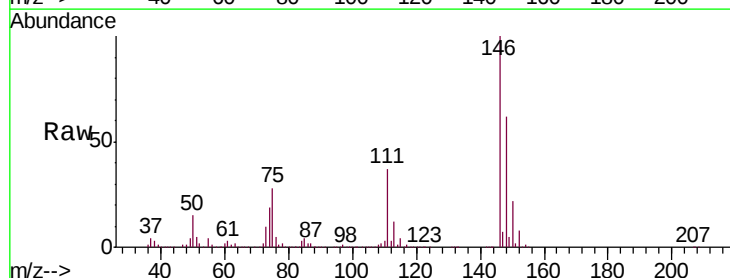
Tgt Ion:146 Resp: 727994

Ion Ratio Lower Upper

146 100

111 36.6 24.5 45.5

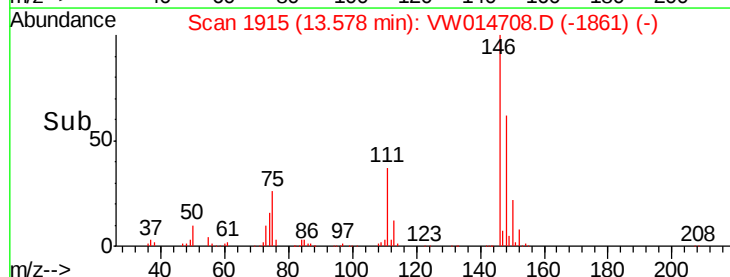
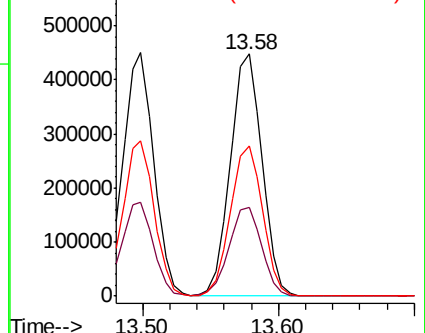
148 62.1 44.4 82.4

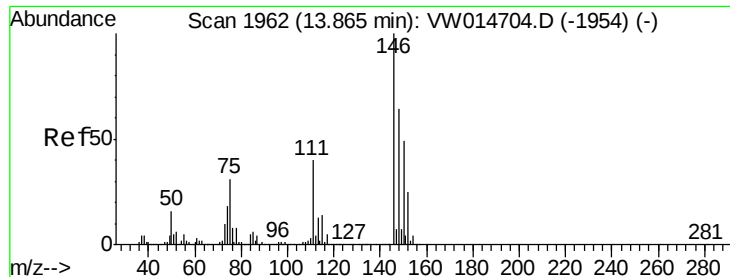


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

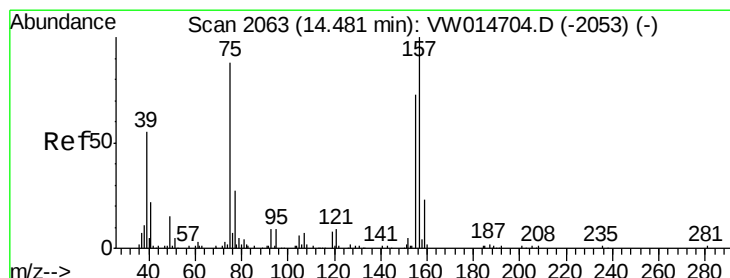
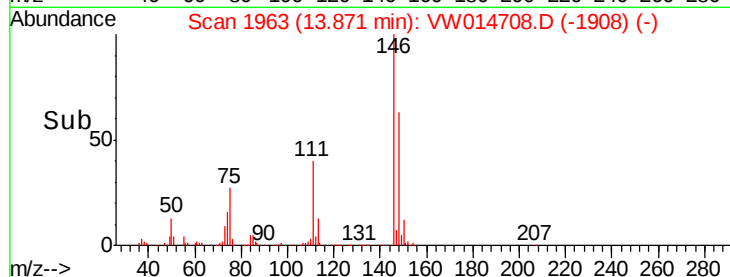
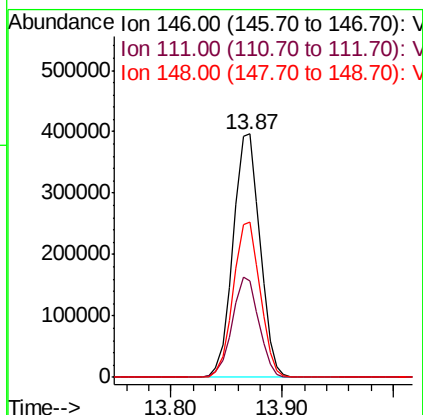
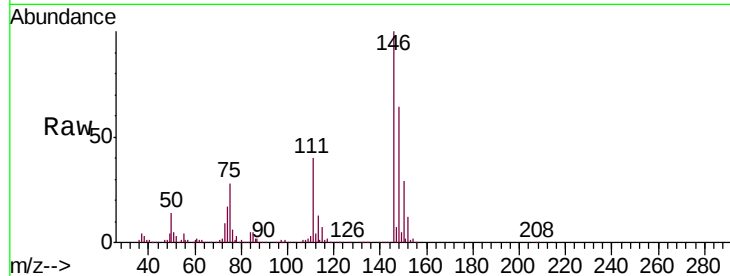




#65
 1,2-Dichlorobenzene
 Concen: 24.486 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

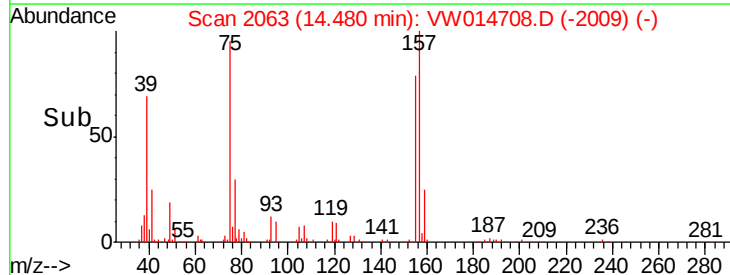
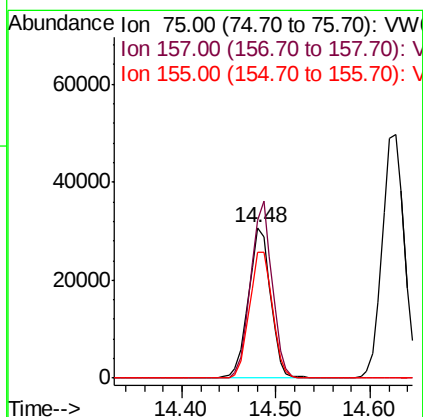
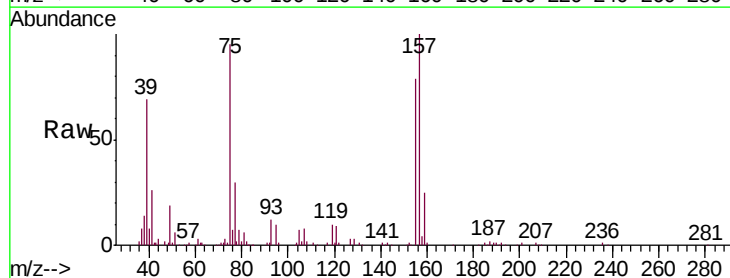
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

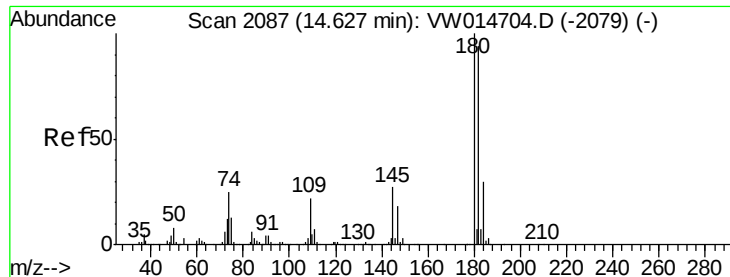
Tgt Ion:146 Resp: 663071
 Ion Ratio Lower Upper
 146 100
 111 39.6 34.2 51.2
 148 63.6 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.202 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Tgt Ion: 75 Resp: 50536
 Ion Ratio Lower Upper
 75 100
 157 105.1 87.2 130.8
 155 83.5 67.8 101.8

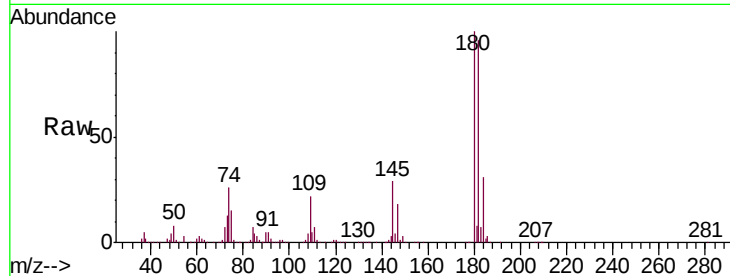




#67
 1,3,5-Trichlorobenzene
 Concen: 24.374 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Tgt Ion:	180	Resp:	545413
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
184	30.7	24.0	36.0
145	28.7	22.6	33.8



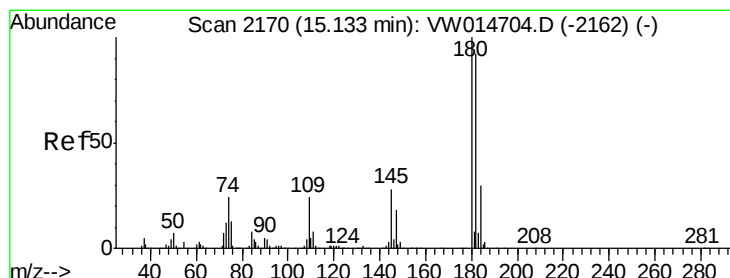
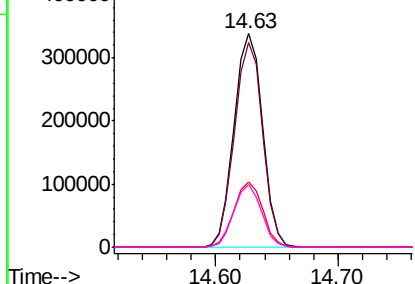
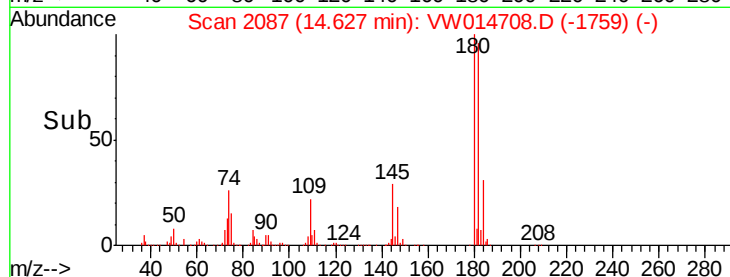
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

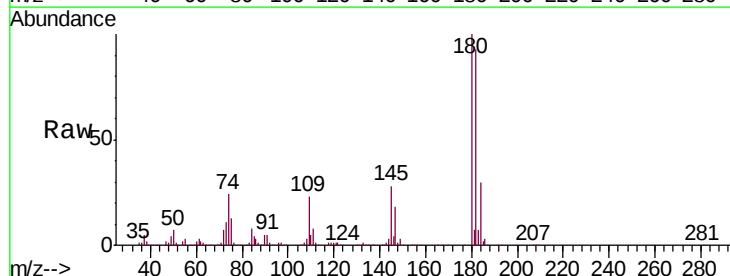
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.631 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014708.D
 Acq: 21 Jan 2020 15:49

Tgt Ion:	180	Resp:	446706
Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.2	114.4
145	28.7	23.1	34.7

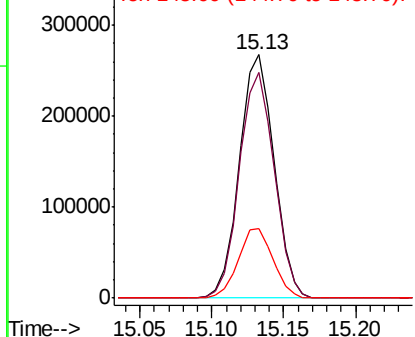
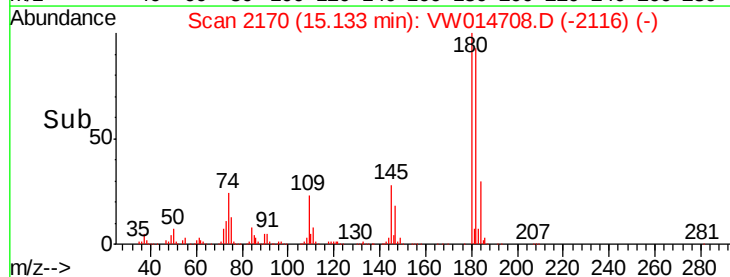


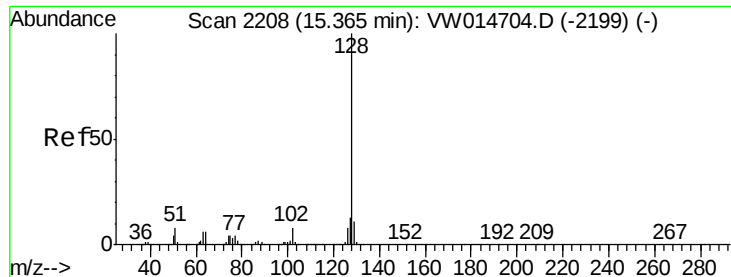
Abundance

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: 30.961 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD02523

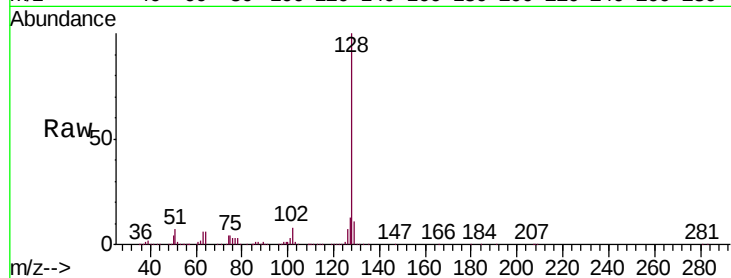
Tgt Ion:128 Resp: 896605

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

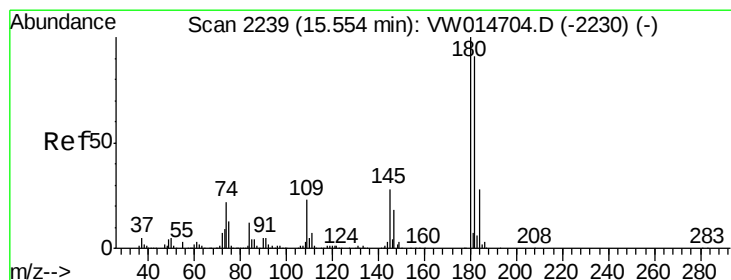
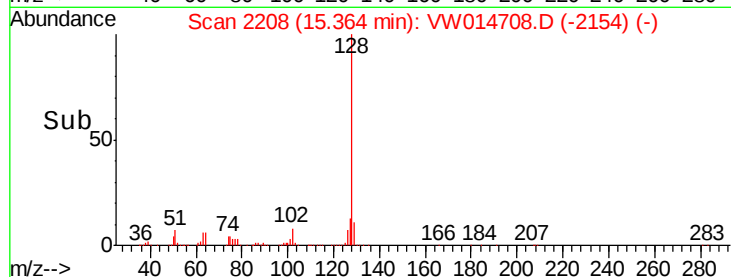
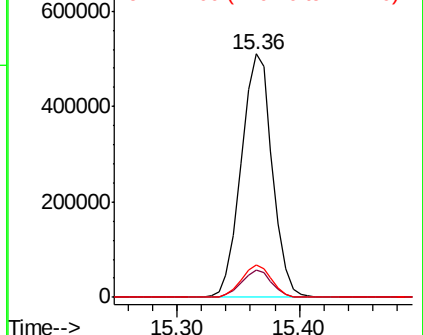
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.088 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014708.D

Acq: 21 Jan 2020 15:49

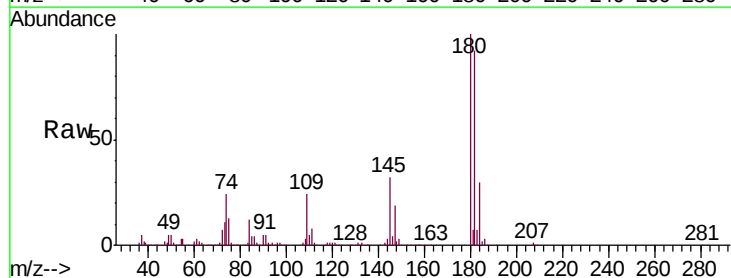
Tgt Ion:180 Resp: 396551

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.6

145 31.4 24.9 37.3



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

