

Data File : VW014806.D
Acq On : 30 Jan 2020 11:30
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: Jan 31 01:06:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 13:41:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	968634	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	870474	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	402365	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	383950	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.12%
7) Chloroethane-d5	2.89	69	328643	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
10) 1,1-Dichloroethene-d2	4.02	63	702070	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	200991	46.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.28%
24) Chloroform-d	7.64	84	704579	26.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	8.30	65	365937	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.64%
29) Benzene-d6	8.27	84	1441067	26.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.20%
33) 1,2-Dichloropropane-d6	9.27	67	445232	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.56%
37) Toluene-d8	10.32	98	1271359	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.20%
38) trans-1,3-Dichloropropene-	10.57	79	170306	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.40%
39) 2-Hexanone-d5	10.92	63	152047	47.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	314290	23.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	402274	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	251697	21.131 ug/L	99
3) Chloromethane	2.21	50	346862	24.962 ug/L	98
5) Vinyl chloride	2.36	62	489114	25.019 ug/L	97
6) Bromomethane	2.78	94	235494	23.044 ug/L	99
8) Chloroethane	2.92	64	243571	22.997 ug/L	98
9) Trichlorofluoromethane	3.26	101	249901	26.620 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	320985	23.938 ug/L	98
12) 1,1-Dichloroethene	4.04	96	318864	24.114 ug/L	92
13) Acetone	4.11	43	183081	39.239 ug/L	98
14) Carbon disulfide	4.38	76	1034058	23.889 ug/L	99
15) Methyl Acetate	4.67	43	152294	21.872 ug/L	98
16) Methylene chloride	4.91	84	341003	20.832 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	414011	23.686 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	329778	24.139 ug/L	96
19) 1,1-Dichloroethane	6.21	63	625372	24.409 ug/L	98
21) 2-Butanone	7.16	43	218698	41.863 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	339556	23.739 ug/L	96

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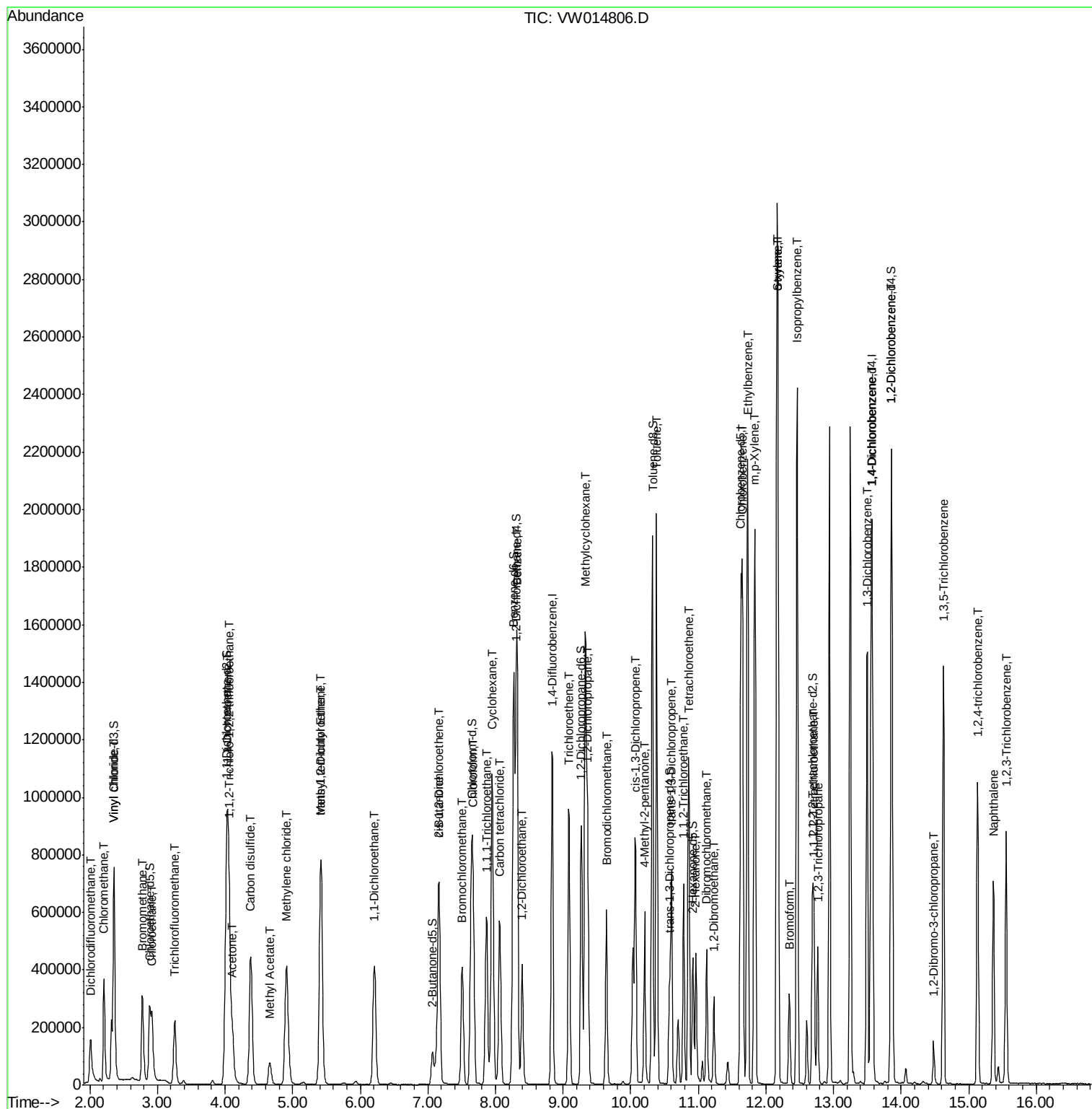
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	140878	22.539	ug/L	97
25) Chloroform	7.67	83	582636	24.373	ug/L	100
27) 1,2-Dichloroethane	8.40	62	375398	23.768	ug/L	100
30) Cyclohexane	7.95	56	612924	25.785	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	472682	24.869	ug/L	99
32) Carbon tetrachloride	8.06	117	438638	24.625	ug/L	99
34) Benzene	8.32	78	1362981	24.448	ug/L	100
35) Trichloroethene	9.09	95	340844	24.066	ug/L	100
36) Methylcyclohexane	9.33	83	623025	25.286	ug/L	99
40) 1,2-Dichloropropane	9.37	63	342697	24.248	ug/L	99
41) Bromodichloromethane	9.64	83	399083	23.628	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	507706	24.596	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	397612	42.787	ug/L	99
44) Toluene	10.38	91	1402033	24.750	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	399676	23.851	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	218333	22.631	ug/L	99
47) Tetrachloroethene	10.86	164	269461	23.812	ug/L	97
49) 2-Hexanone	10.96	43	300729	45.011	ug/L	99
50) Dibromochloromethane	11.13	129	252465	22.935	ug/L	96
51) 1,2-Dibromoethane	11.23	107	204881	22.077	ug/L	99
52) Chlorobenzene	11.65	112	857535	24.243	ug/L	98
53) Ethylbenzene	11.73	91	1562698	25.243	ug/L	98
54) m,p-Xylene	11.83	106	599591	25.911	ug/L	97
55) o-xylene	12.16	106	537005	24.732	ug/L	98
56) Styrene	12.18	104	929436	25.240	ug/L	96
57) Isopropylbenzene	12.46	105	1507943	25.643	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	268224	21.578	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	198404	21.249	ug/L	99
62) Bromoform	12.35	173	140048	22.173	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	622711	23.971	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	622332	23.904	ug/L	97
65) 1,2-Dichlorobenzene	13.86	146	560950	23.741	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	40115	20.700	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	459343	23.873	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	349868	24.502	ug/L	99
69) Naphthalene	15.36	128	603273	23.360	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	312033	23.834	ug/L	100

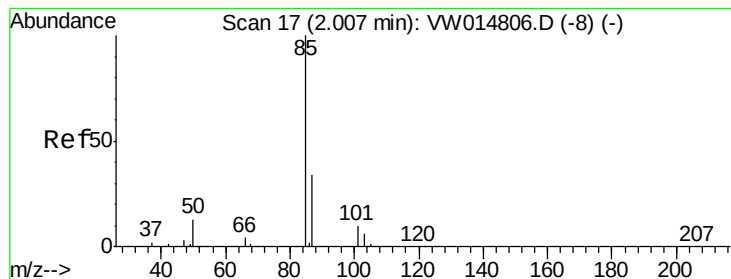
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.131 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

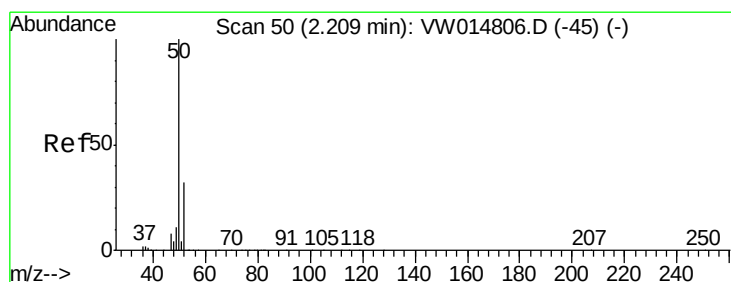
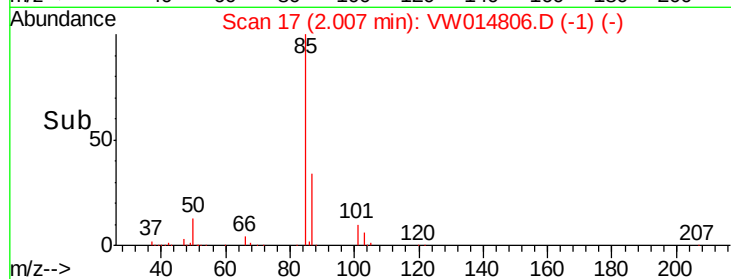
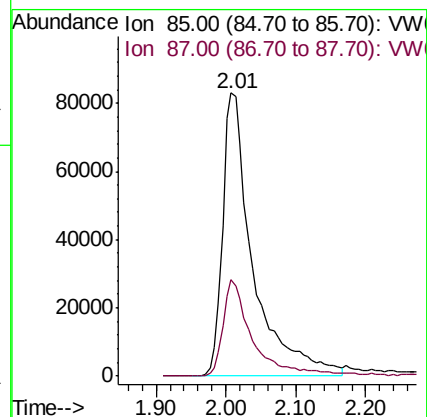
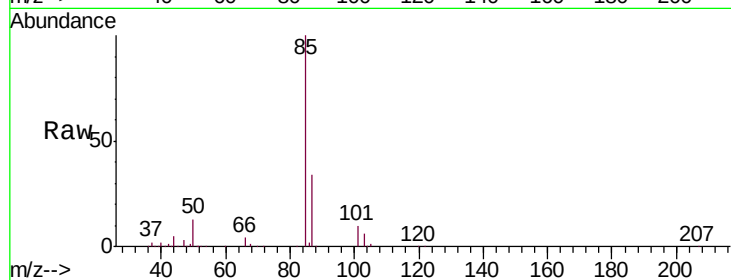
VSTD02530

Tgt Ion: 85 Resp: 251697

Ion Ratio Lower Upper

85 100

87 30.9 22.0 40.8



#3

Chloromethane

Concen: 24.962 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014806.D

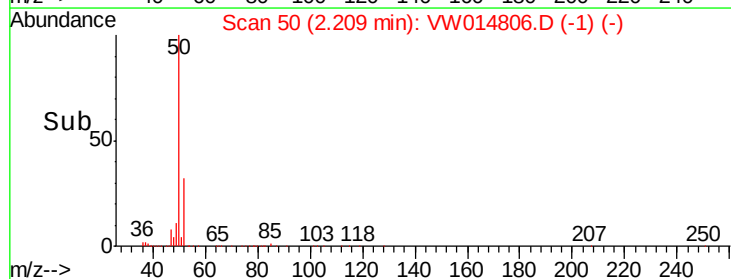
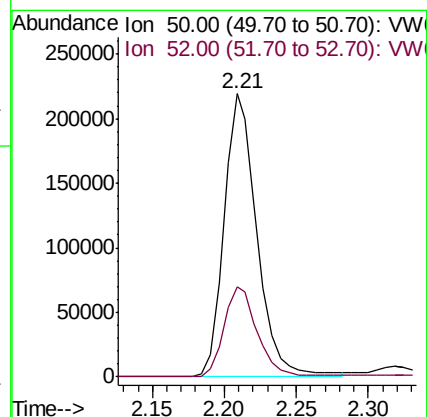
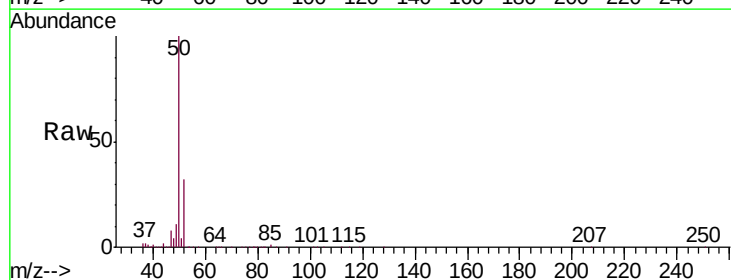
Acq: 30 Jan 2020 11:30

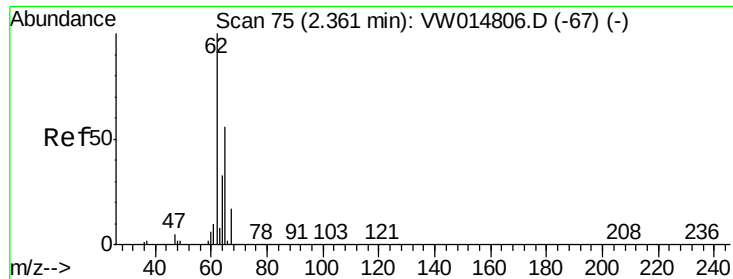
Tgt Ion: 50 Resp: 346862

Ion Ratio Lower Upper

50 100

52 31.7 22.9 42.5





#5

Vinyl chloride

Concen: 25.019 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

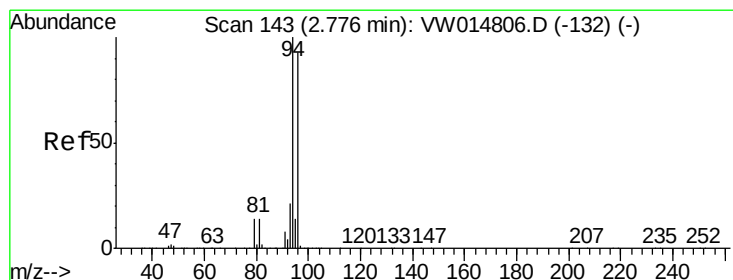
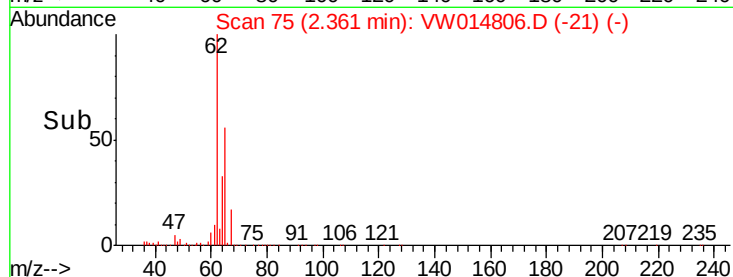
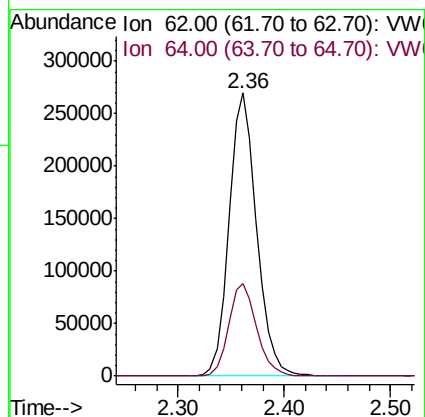
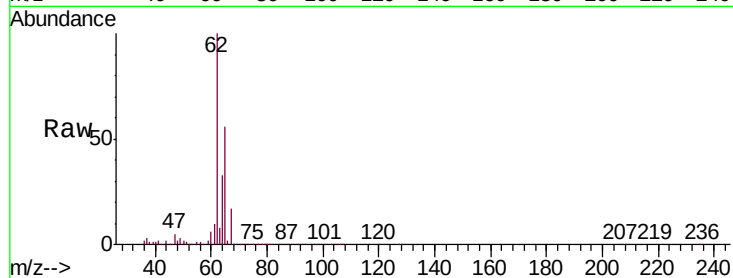
VSTD02530

Tgt Ion: 62 Resp: 489114

Ion Ratio Lower Upper

62 100

64 32.9 24.3 45.1



#6

Bromomethane

Concen: 23.044 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014806.D

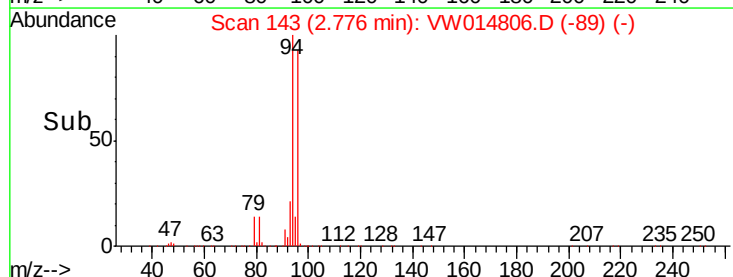
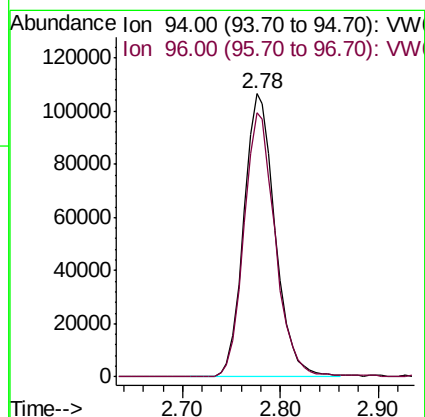
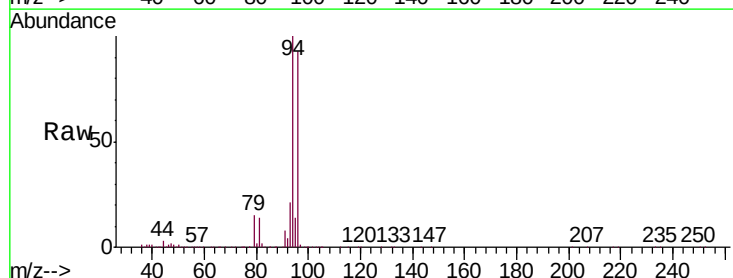
Acq: 30 Jan 2020 11:30

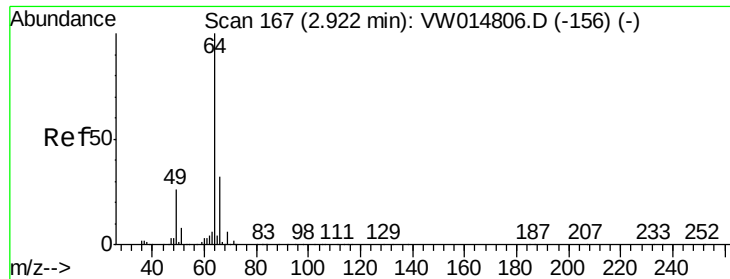
Tgt Ion: 94 Resp: 235494

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.7





#8

Chloroethane

Concen: 22.997 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

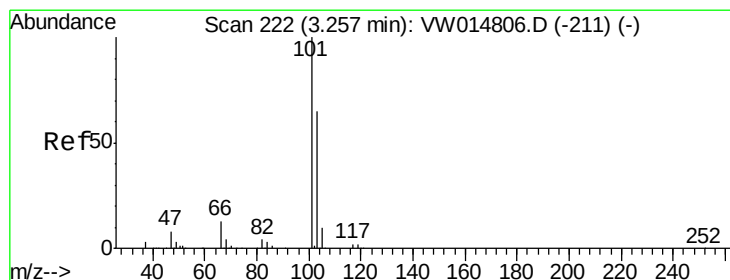
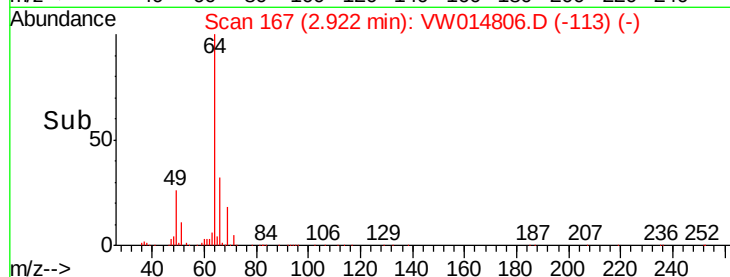
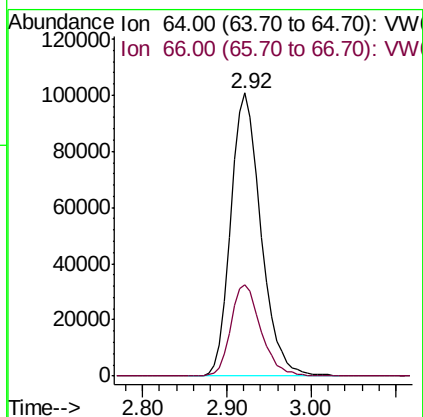
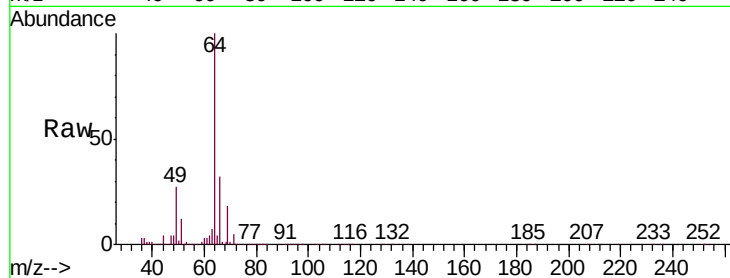
VSTD02530

Tgt Ion: 64 Resp: 243571

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 26.620 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014806.D

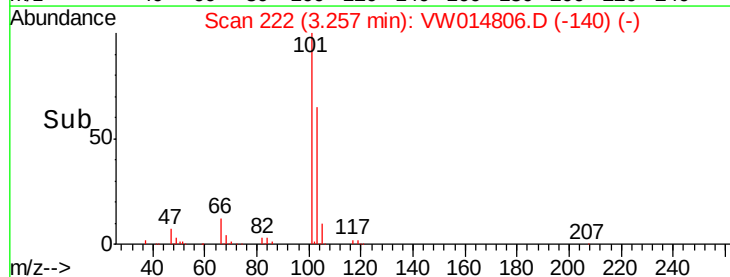
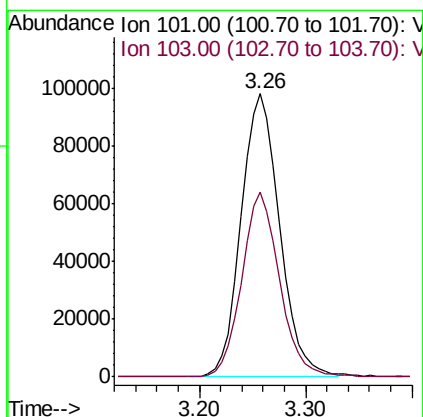
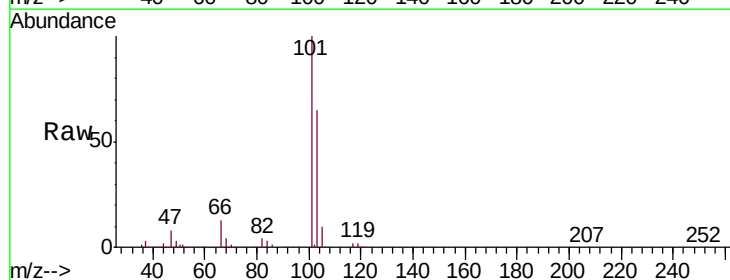
Acq: 30 Jan 2020 11:30

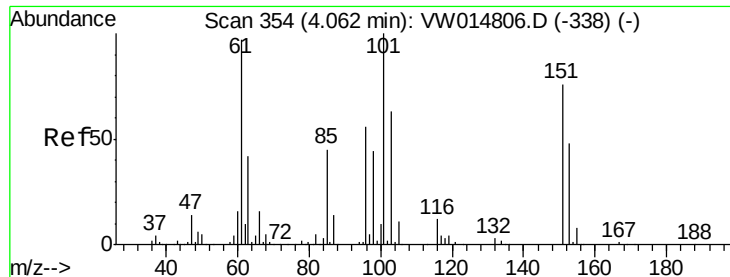
Tgt Ion: 101 Resp: 249901

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.9





#11

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

Concen: 23.938 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014806.D

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Instrument :

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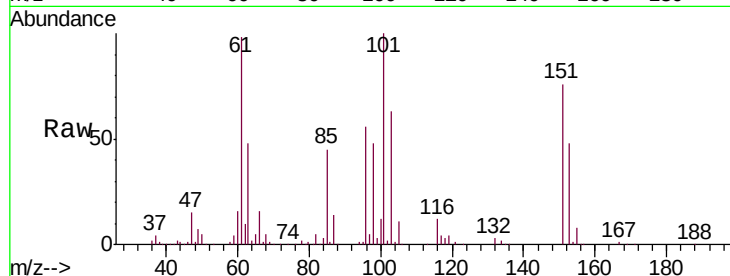
Tgt Ion: 101 Resp: 320985

Ion Ratio Lower Upper

101 100

85 44.0 33.8 50.6

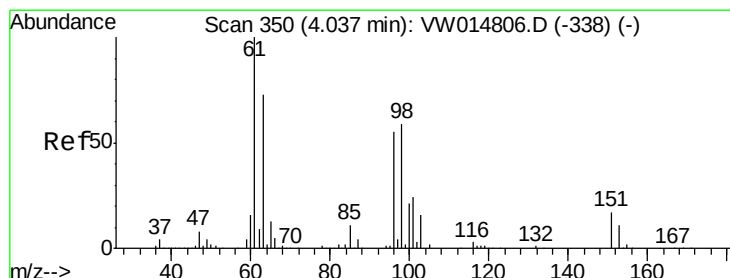
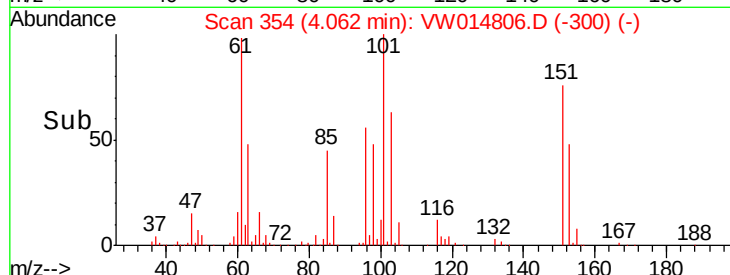
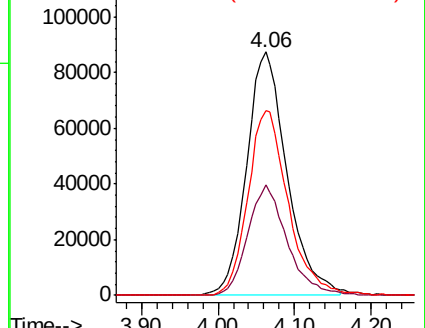
151 75.7 59.7 89.5



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: 24.114 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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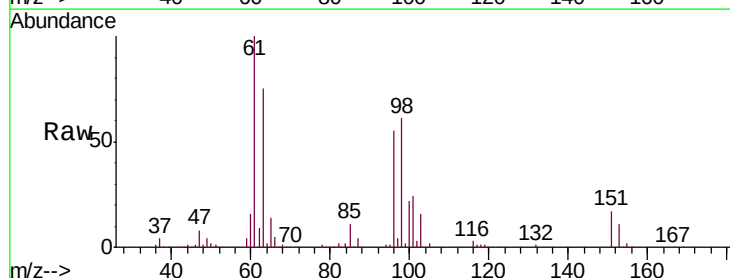
Tgt Ion: 96 Resp: 318864

Ion Ratio Lower Upper

96 100

61 182.4 124.3 230.9

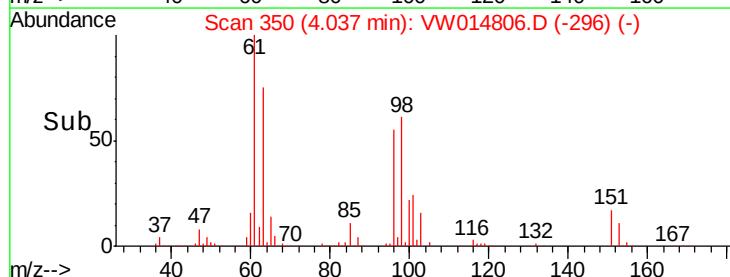
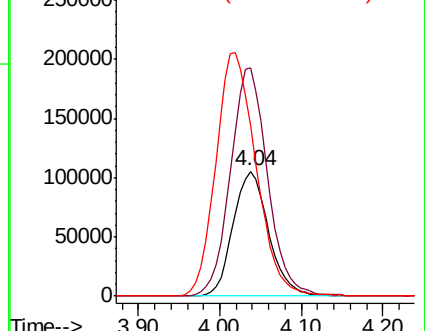
63 136.5 107.0 198.6

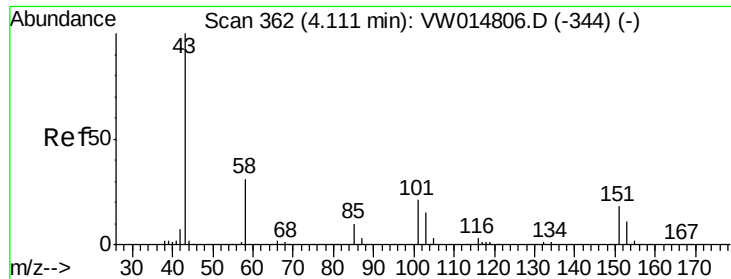


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.239 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

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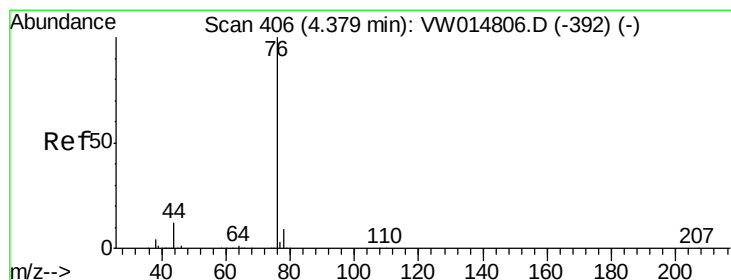
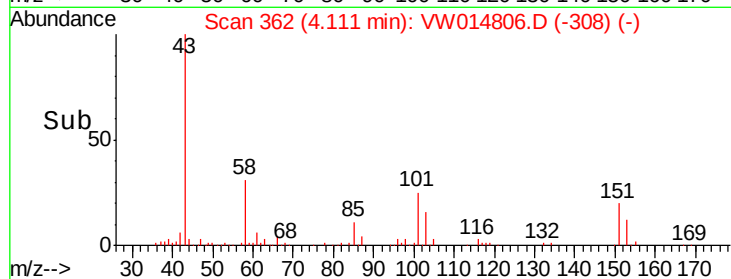
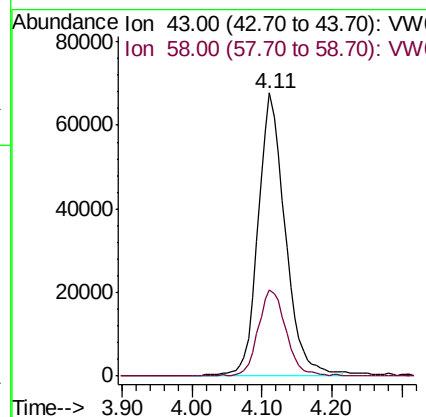
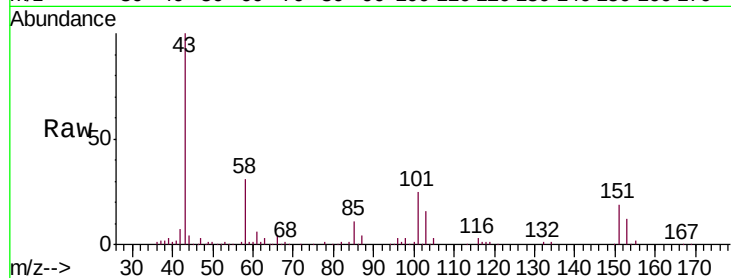
VSTD02530

Tgt Ion: 43 Resp: 183081

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.6



#14

Carbon disulfide

Concen: 23.889 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014806.D

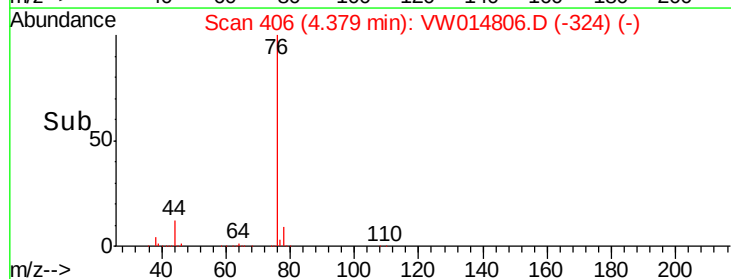
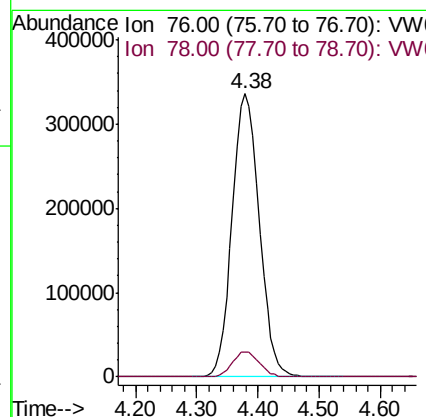
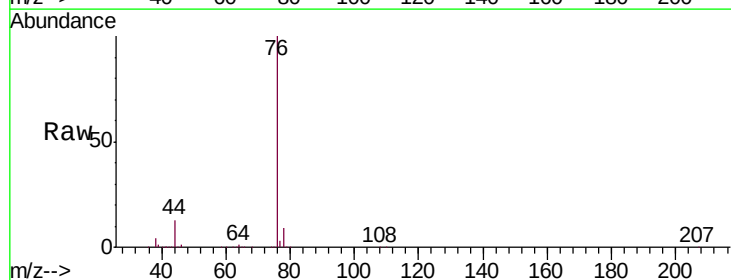
Acq: 30 Jan 2020 11:30

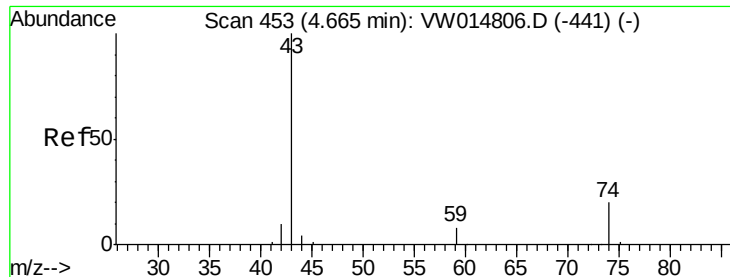
Tgt Ion: 76 Resp: 1034058

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

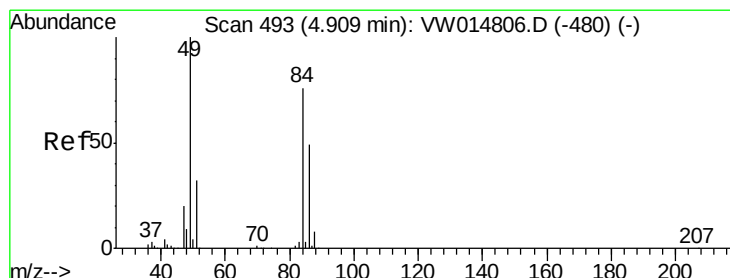
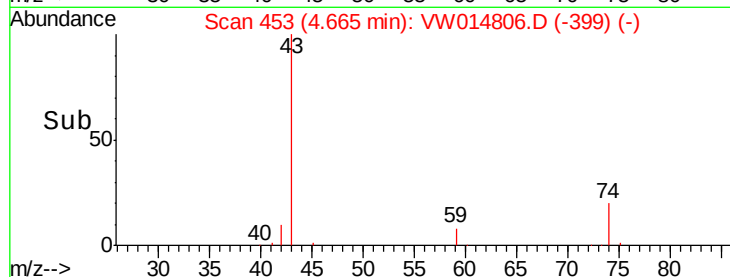
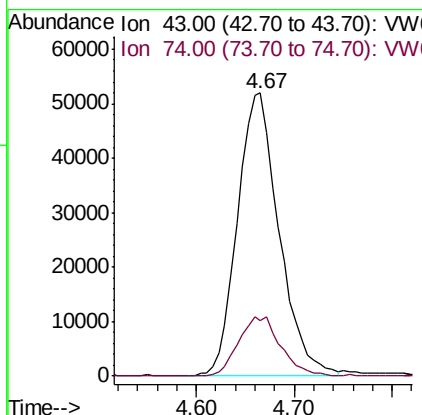
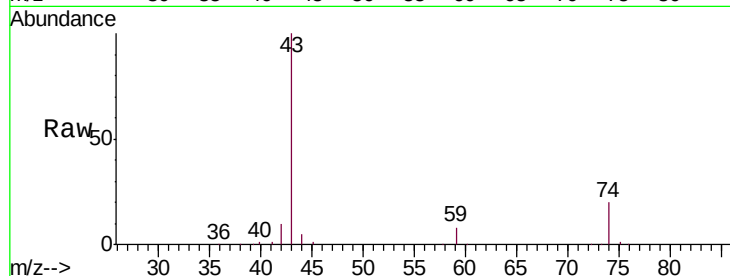




#15
Methyl Acetate
Concen: 21.872 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

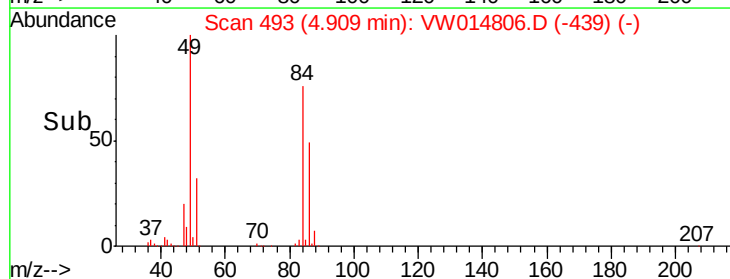
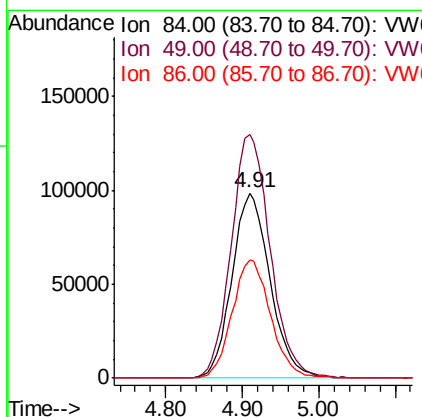
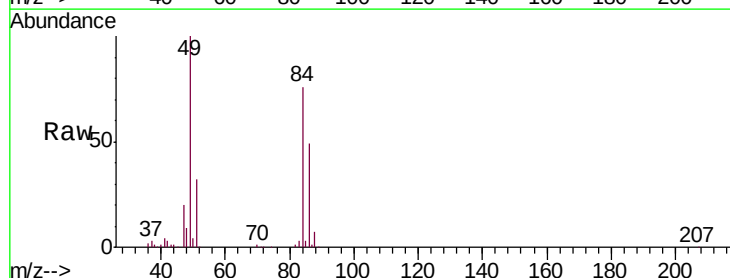
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

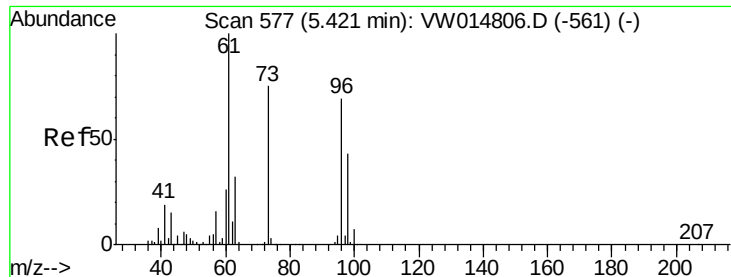
Tgt Ion: 43 Resp: 152294
Ion Ratio Lower Upper
43 100
74 21.7 18.0 27.0



#16
Methylene chloride
Concen: 20.832 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

Tgt Ion: 84 Resp: 341003
Ion Ratio Lower Upper
84 100
49 131.7 90.9 168.7
86 64.0 43.5 80.7

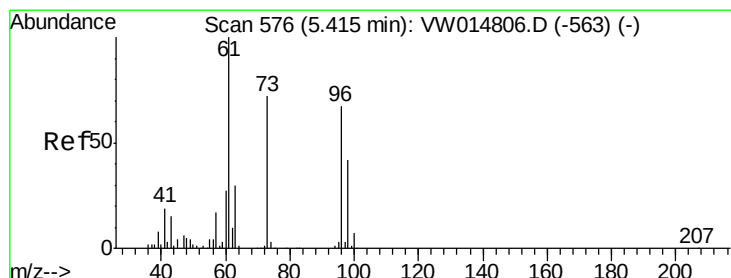
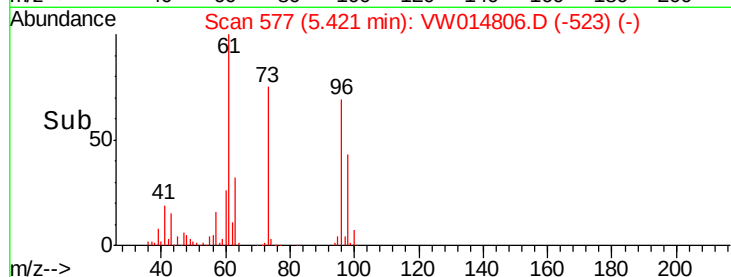
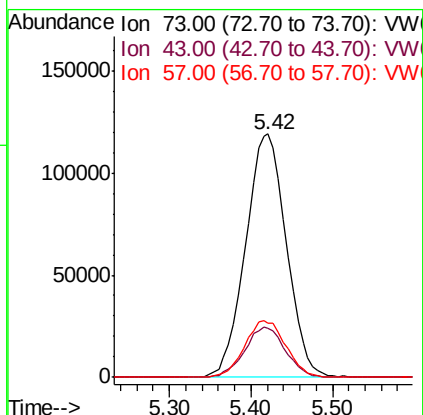
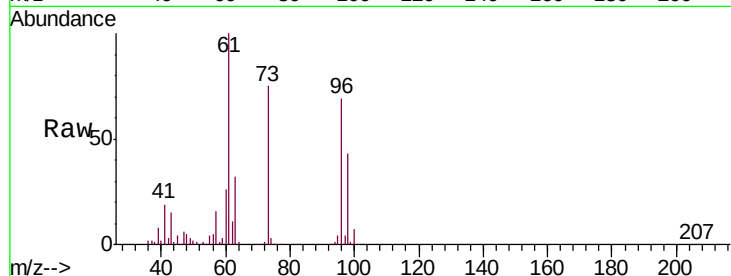




#17
Methyl tert-butyl Ether
Concen: 23.686 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

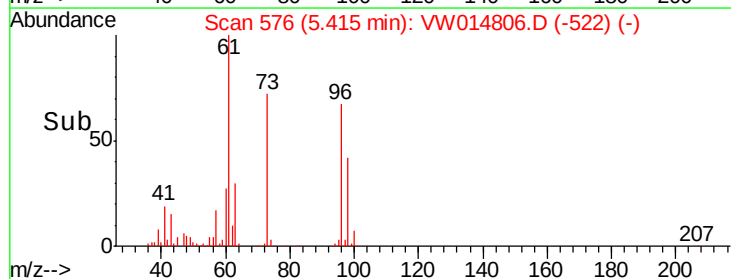
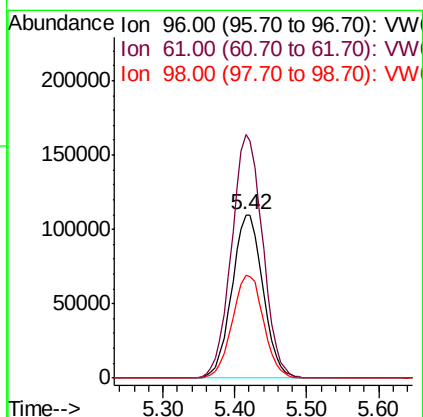
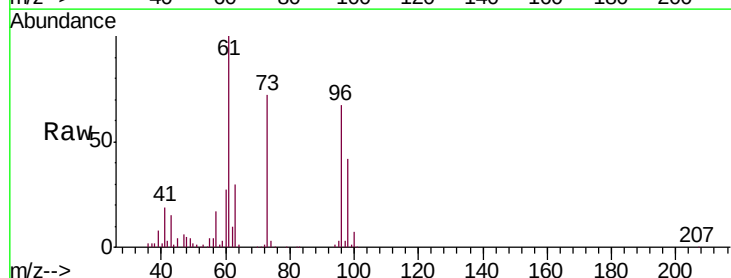
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

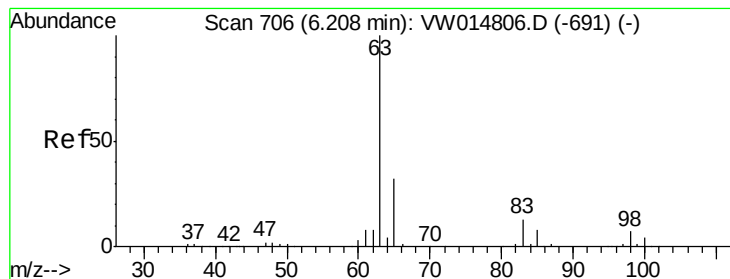
Tgt Ion: 73 Resp: 414011
Ion Ratio Lower Upper
73 100
43 20.6 16.2 24.4
57 23.5 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 24.139 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

Tgt Ion: 96 Resp: 329778
Ion Ratio Lower Upper
96 100
61 148.8 100.2 186.0
98 62.8 43.1 80.1





#19

1,1-Dichloroethane

Concen: 24.409 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

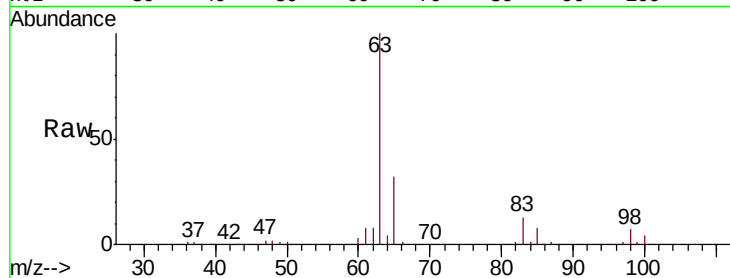
Tgt Ion: 63 Resp: 625372

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

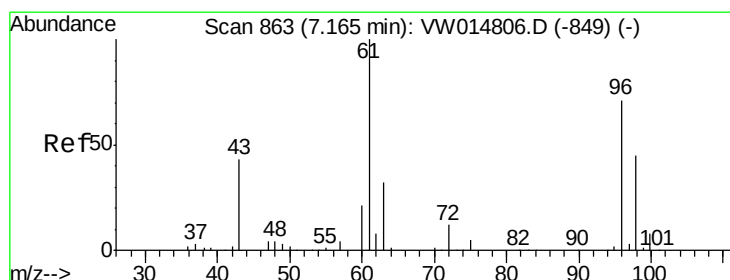
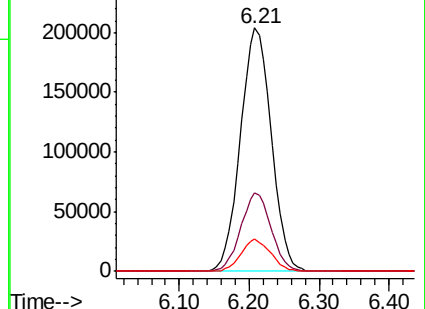
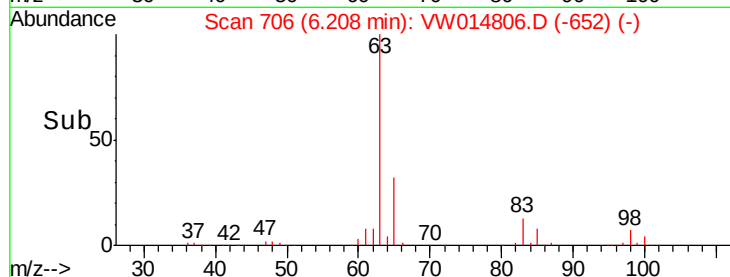
83 13.1 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 41.863 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014806.D

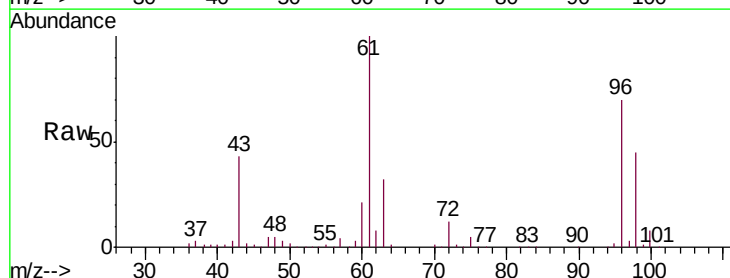
Acq: 30 Jan 2020 11:30

Tgt Ion: 43 Resp: 218698

Ion Ratio Lower Upper

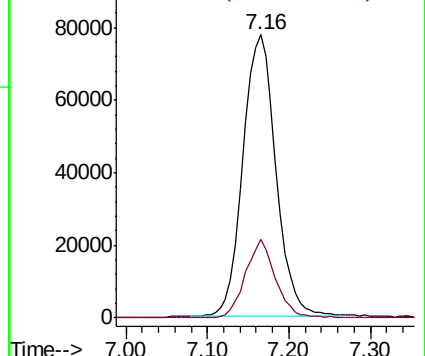
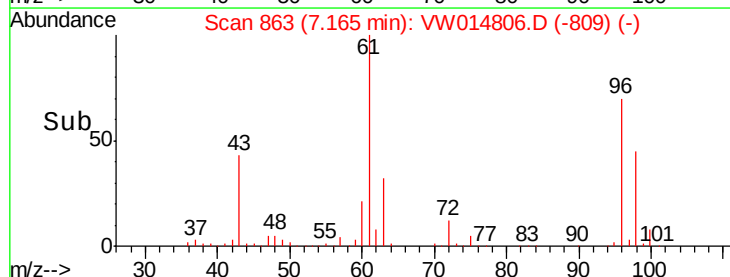
43 100

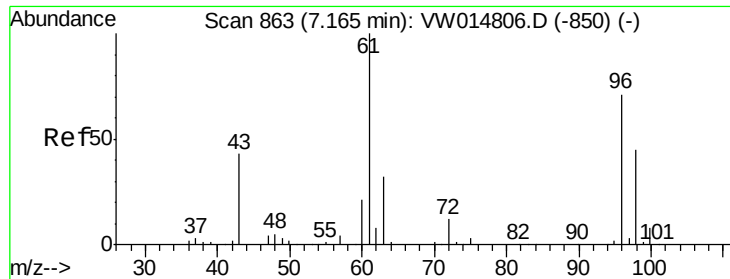
72 25.5 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



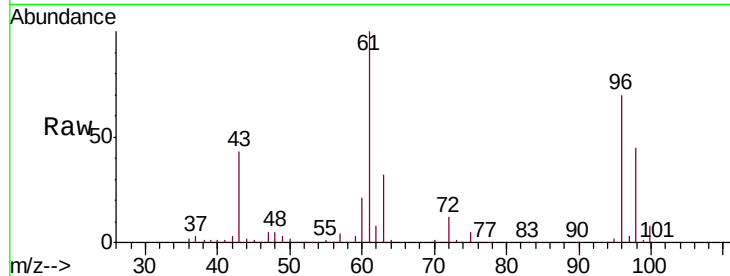


#22

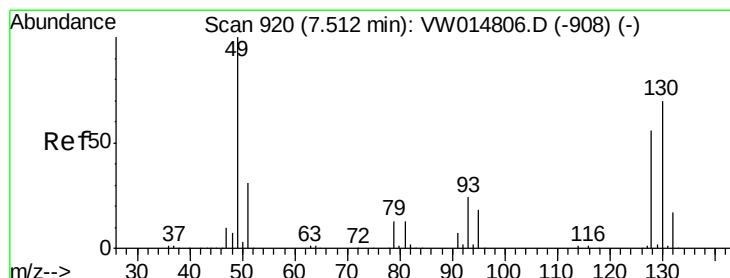
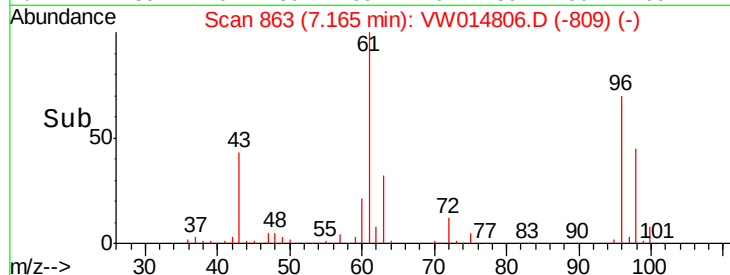
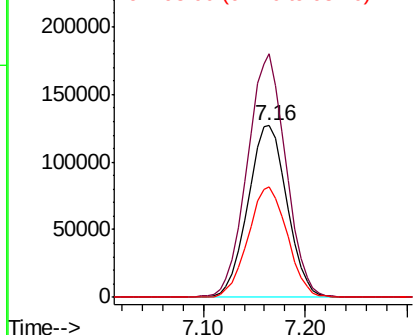
cis-1,2-Dichloroethene
 Concen: 23.739 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion: 96 Resp: 339556
 Ion Ratio Lower Upper
 96 100
 61 142.0 94.1 174.7
 98 64.2 44.9 83.3



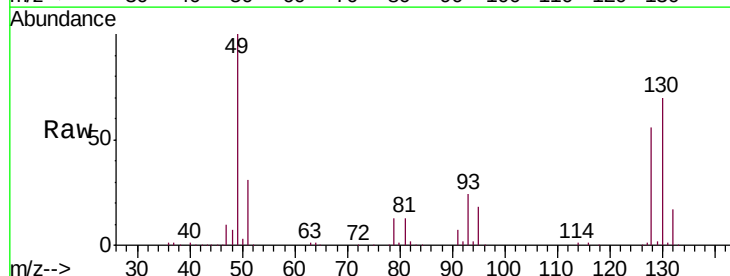
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



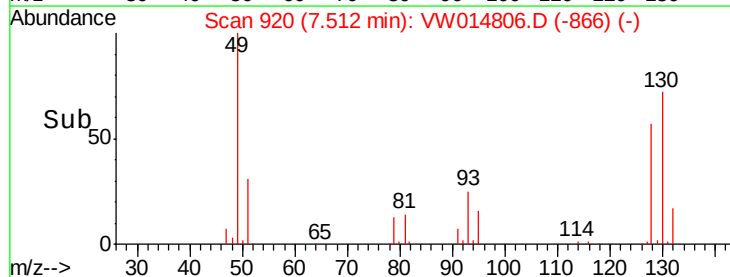
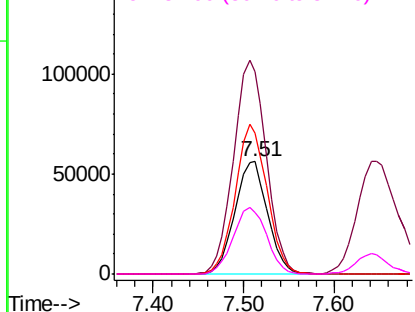
#23

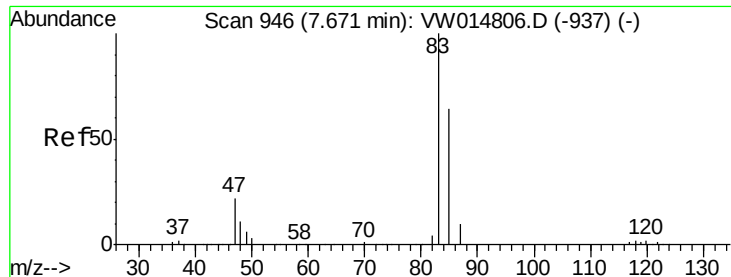
Bromochloromethane
 Concen: 22.539 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Tgt Ion: 128 Resp: 140878
 Ion Ratio Lower Upper
 128 100
 49 179.9 127.7 237.1
 130 125.3 93.4 173.6
 51 55.1 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

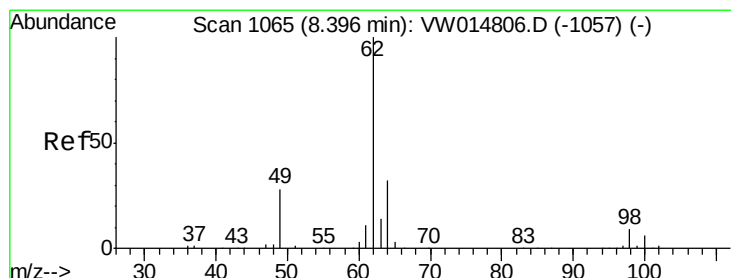
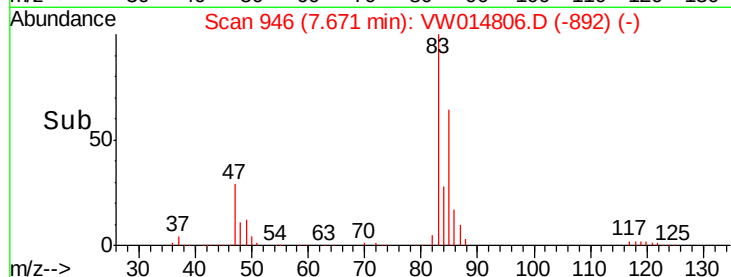
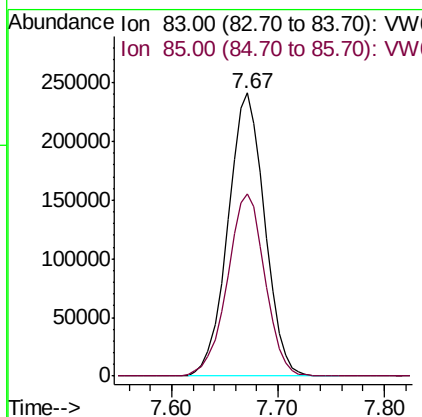
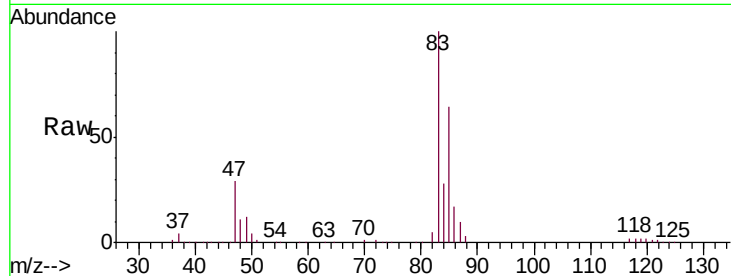




#25
Chloroform
Concen: 24.373 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

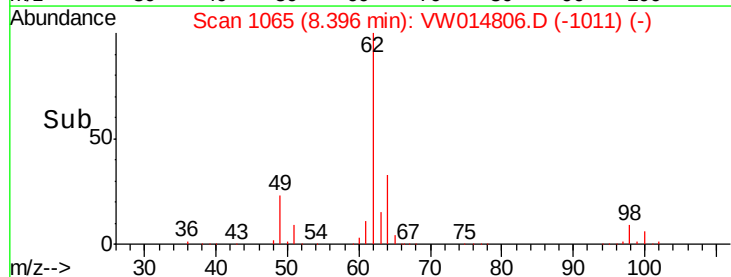
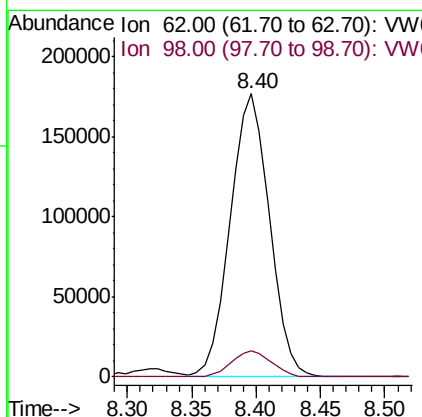
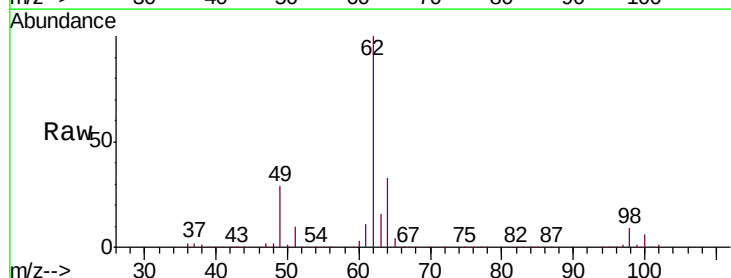
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

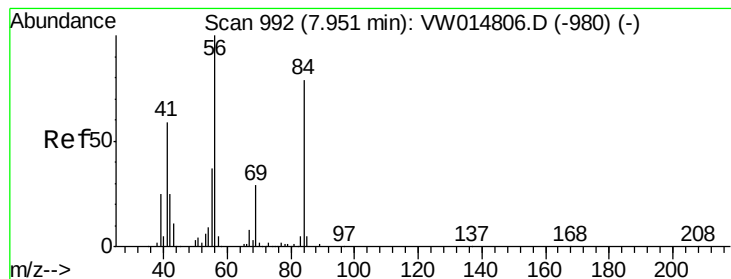
Tgt Ion: 83 Resp: 582636
Ion Ratio Lower Upper
83 100
85 65.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.768 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

Tgt Ion: 62 Resp: 375398
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3





#30

Cyclohexane

Concen: 25.785 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

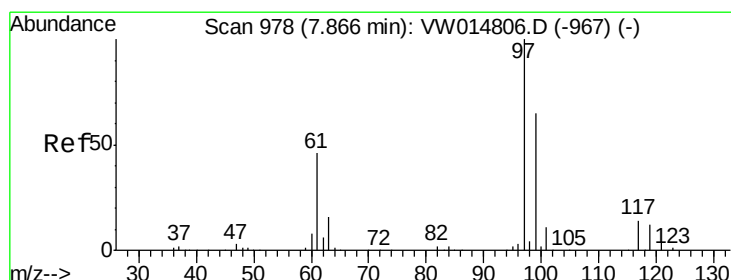
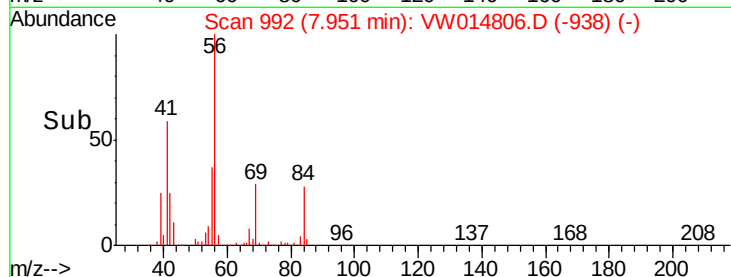
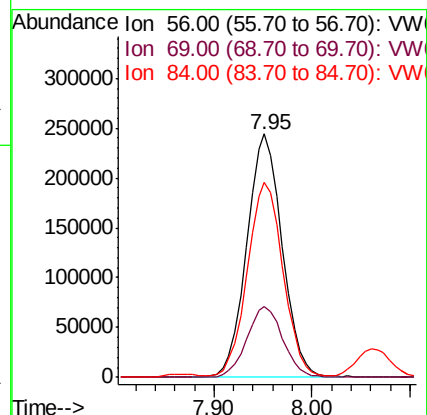
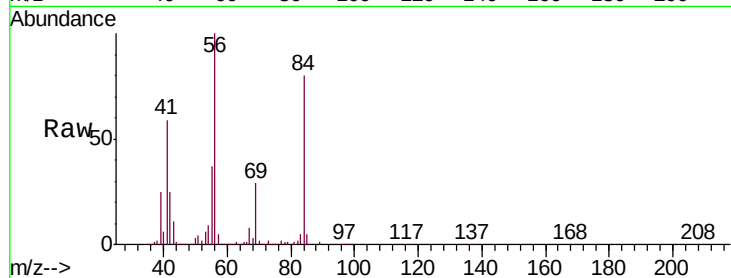
Tgt Ion: 56 Resp: 612924

Ion Ratio Lower Upper

56 100

69 29.4 23.8 35.6

84 80.9 64.8 97.2



#31

1,1,1-Trichloroethane

Concen: 24.869 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

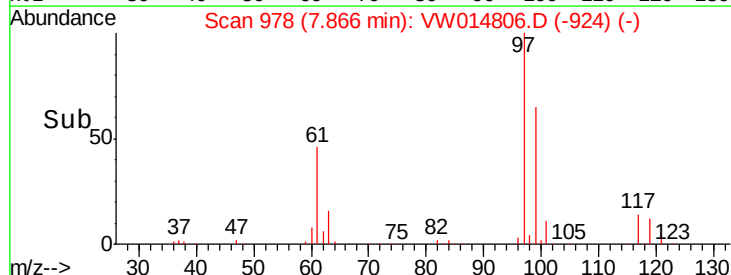
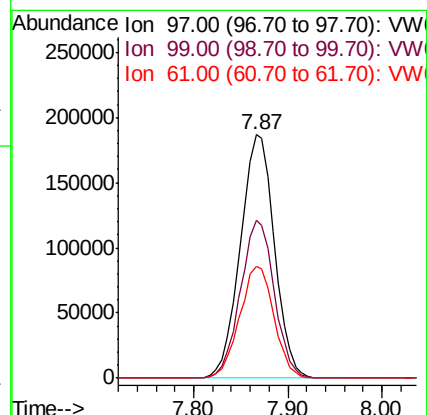
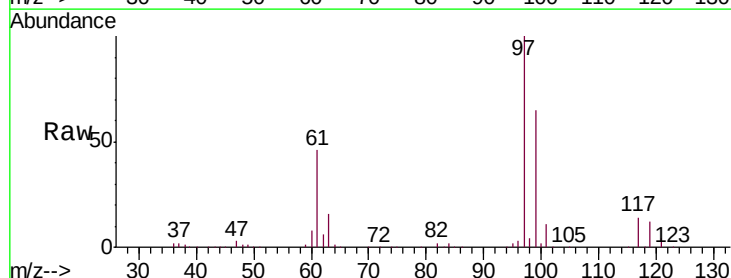
Tgt Ion: 97 Resp: 472682

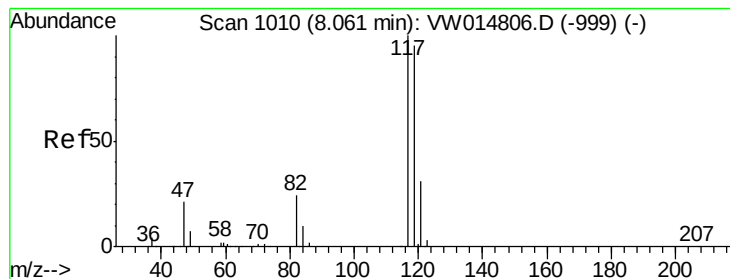
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 46.2 36.4 54.6





#32

Carbon tetrachloride

Concen: 24.625 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

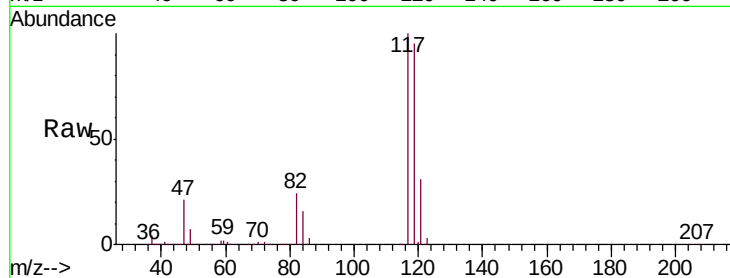
VSTD02530

Tgt Ion:117 Resp: 438638

Ion Ratio Lower Upper

117 100

119 95.3 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

150000

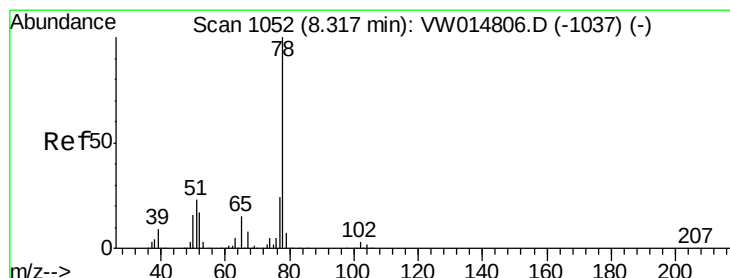
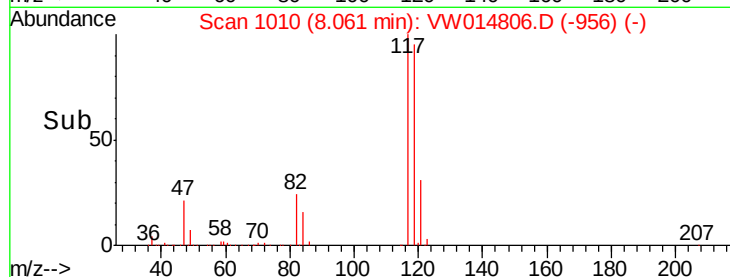
100000

50000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.448 ug/L

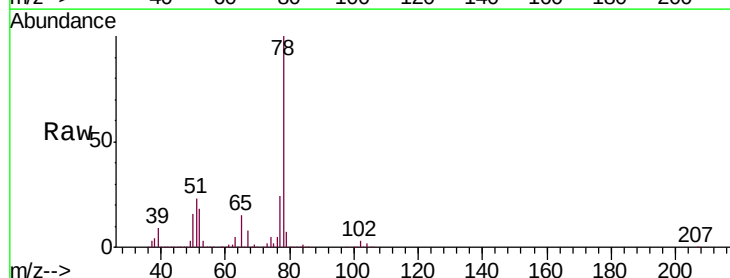
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Tgt Ion: 78 Resp: 1362981



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

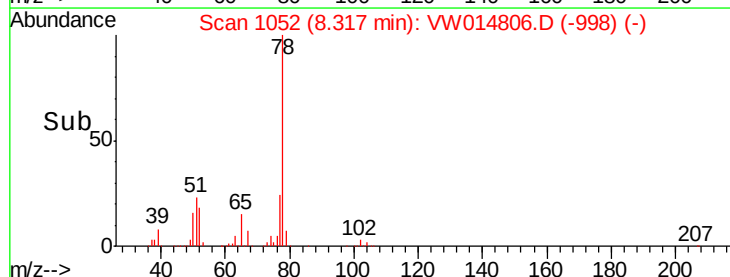
400000

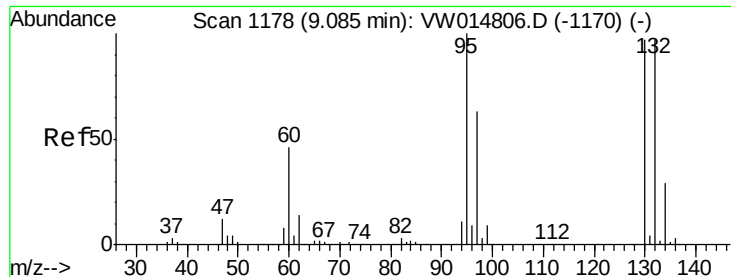
200000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.066 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

Tgt Ion: 95 Resp: 340844

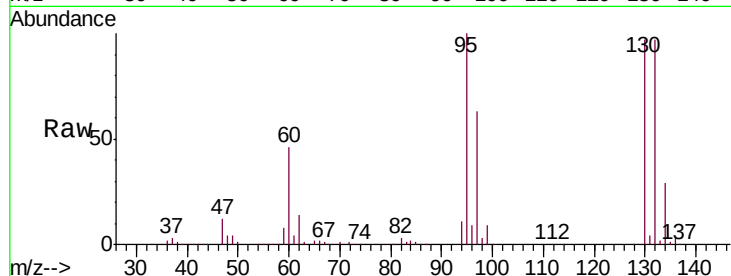
Ion Ratio Lower Upper

95 100

97 63.6 44.3 82.3

132 95.7 67.1 124.7

130 99.4 69.9 129.7



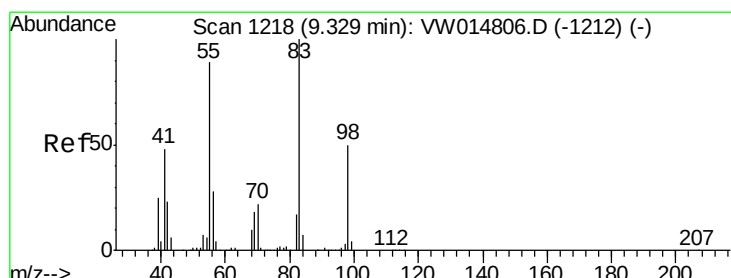
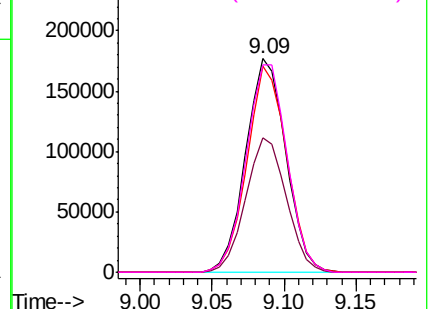
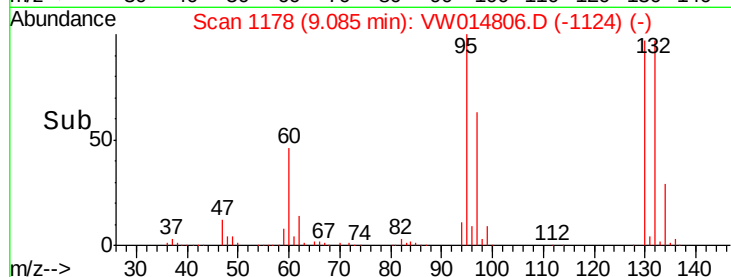
Abundance

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: 25.286 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

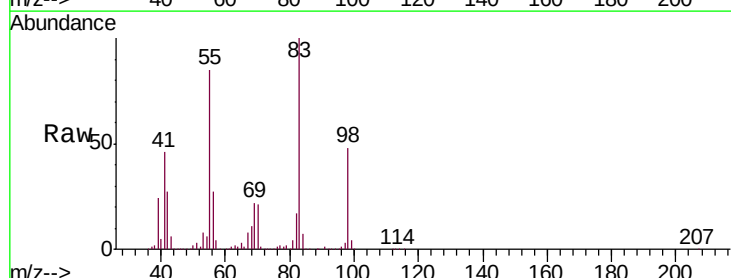
Tgt Ion: 83 Resp: 623025

Ion Ratio Lower Upper

83 100

55 83.7 65.6 98.4

98 47.9 38.0 57.0

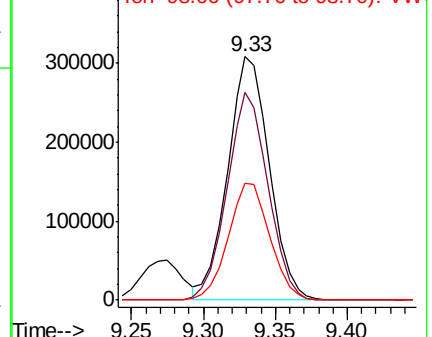
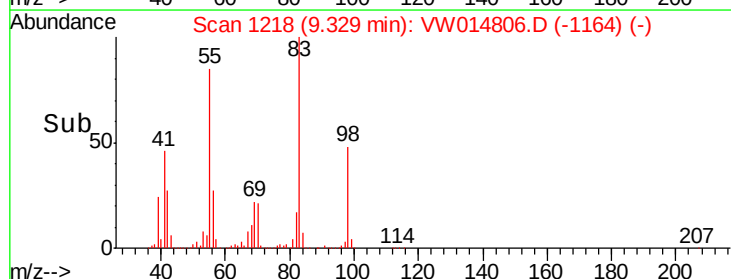


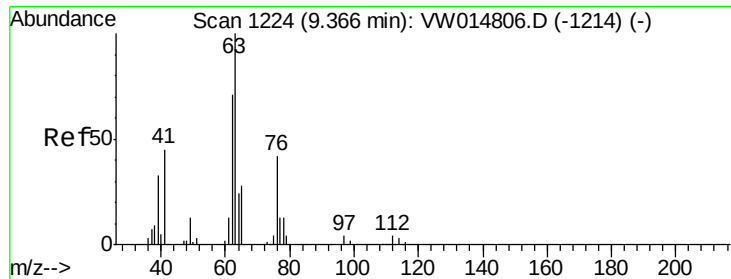
Abundance

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: 24.248 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

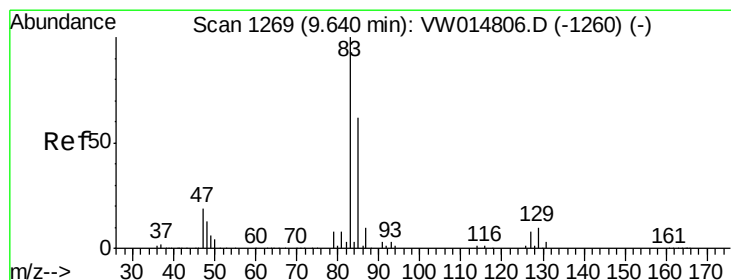
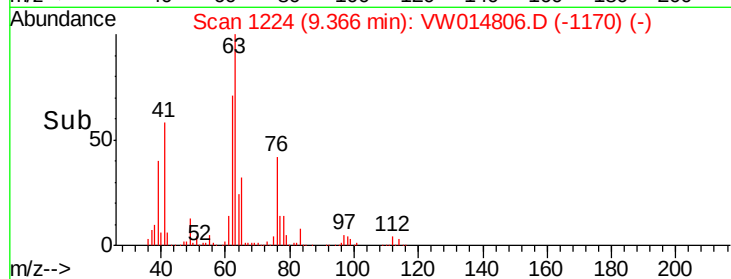
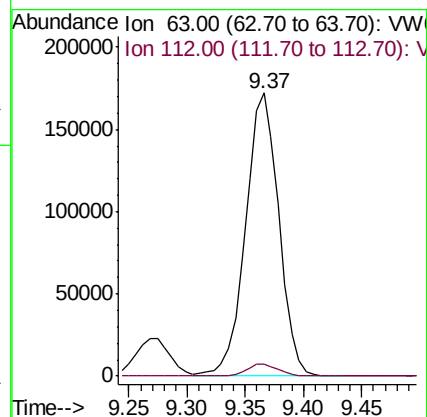
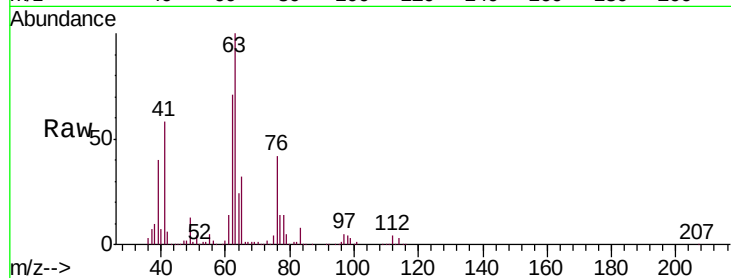
VSTD02530

Tgt Ion: 63 Resp: 342697

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#41

Bromodichloromethane

Concen: 23.628 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

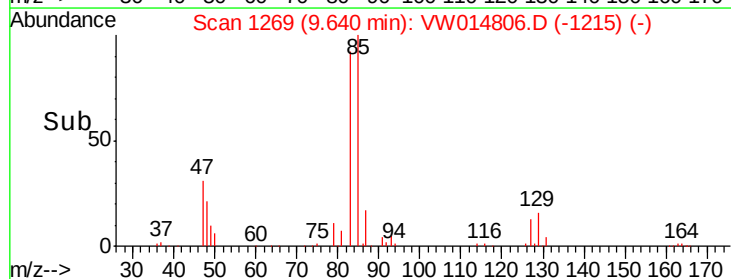
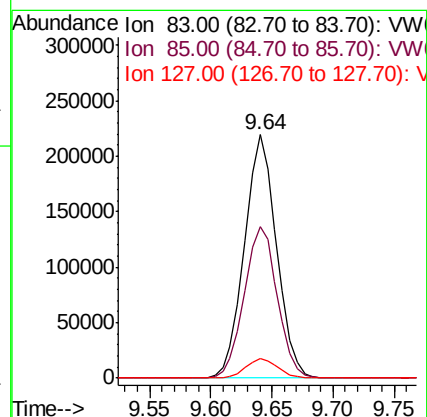
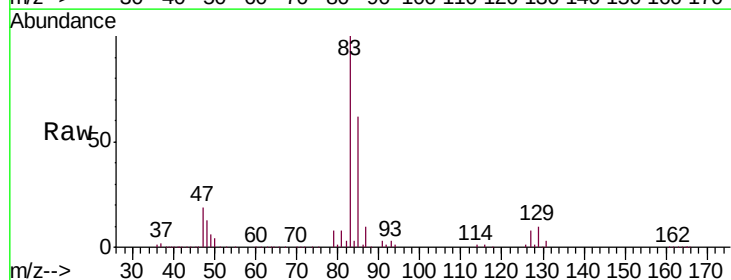
Tgt Ion: 83 Resp: 399083

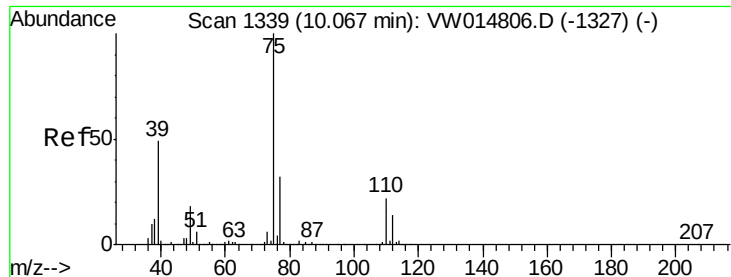
Ion Ratio Lower Upper

83 100

85 62.0 45.7 84.9

127 8.0 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.596 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

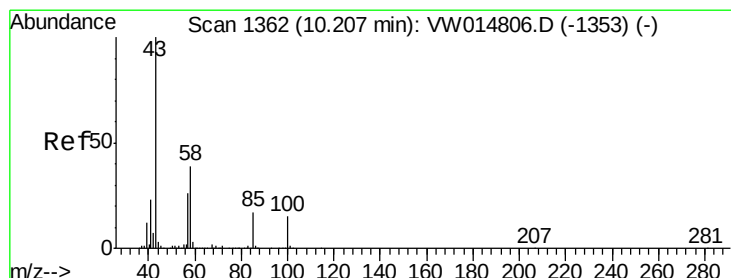
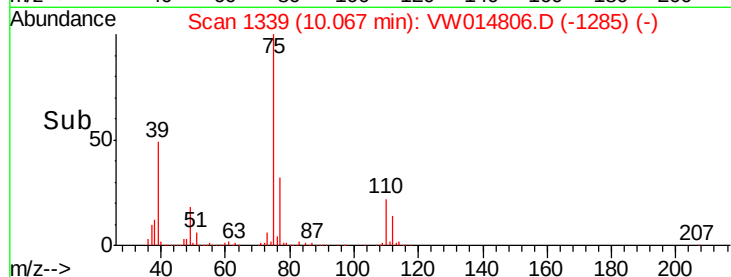
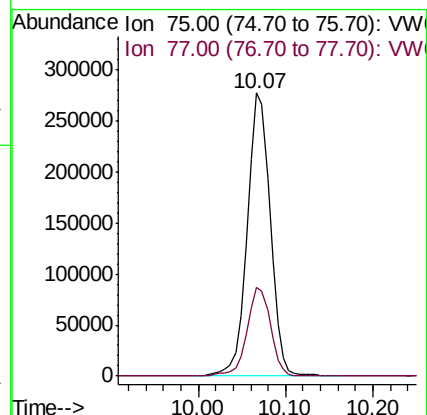
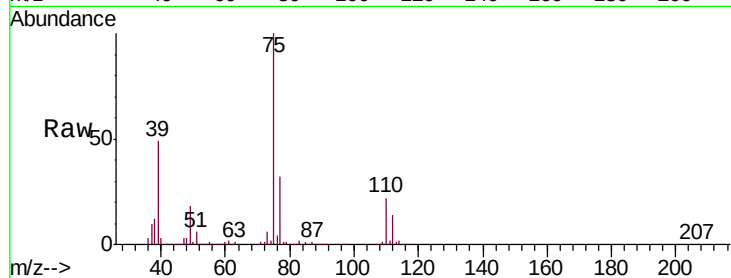
VSTD02530

Tgt Ion: 75 Resp: 507706

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 42.787 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

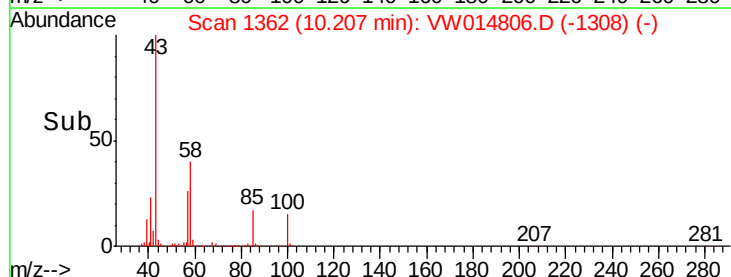
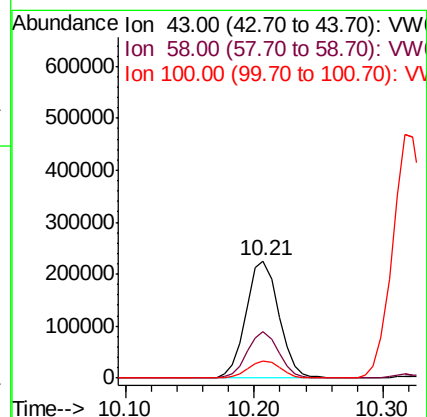
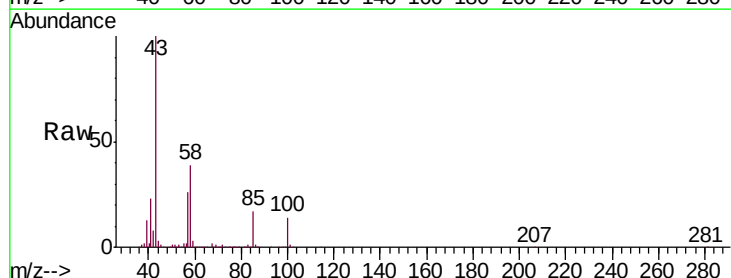
Tgt Ion: 43 Resp: 397612

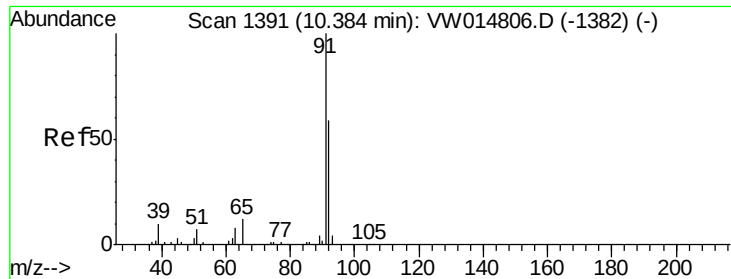
Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3

100 14.5 11.8 17.6





#44

Toluene

Concen: 24.750 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

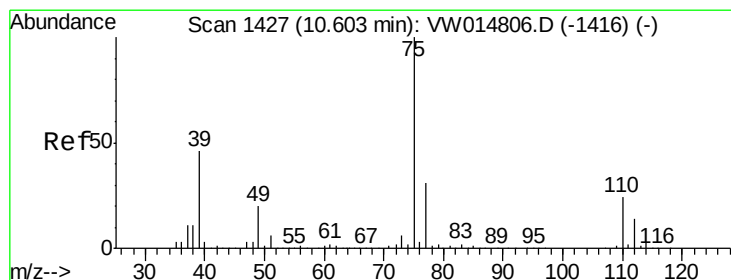
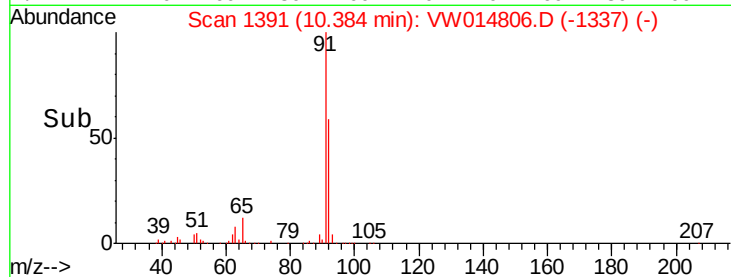
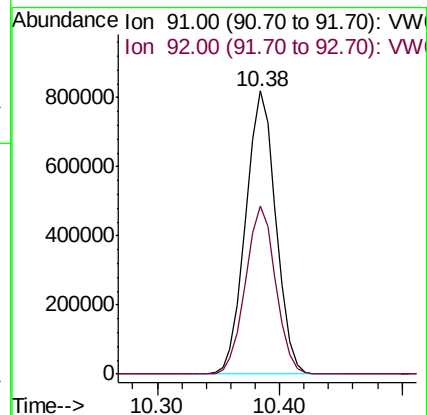
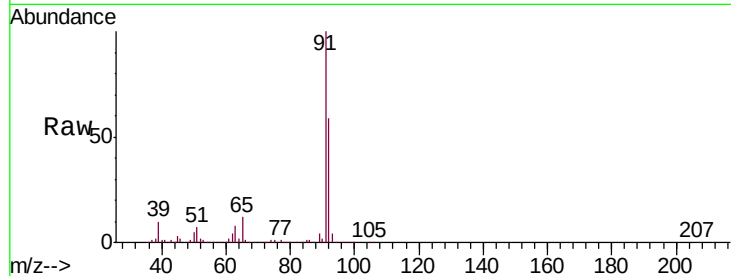
VSTD02530

Tgt Ion: 91 Resp: 1402033

Ion Ratio Lower Upper

91 100

92 59.4 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.851 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014806.D

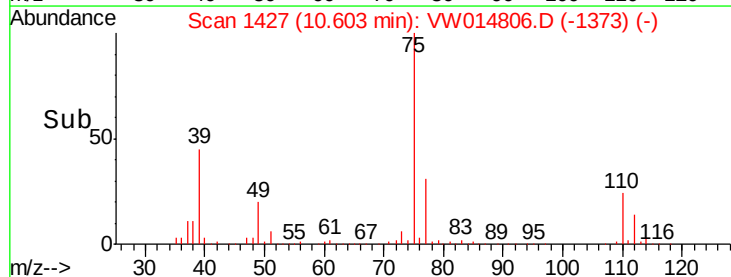
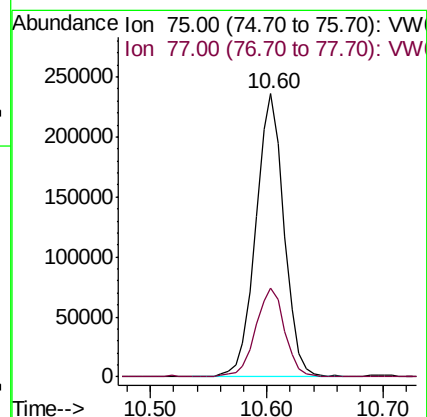
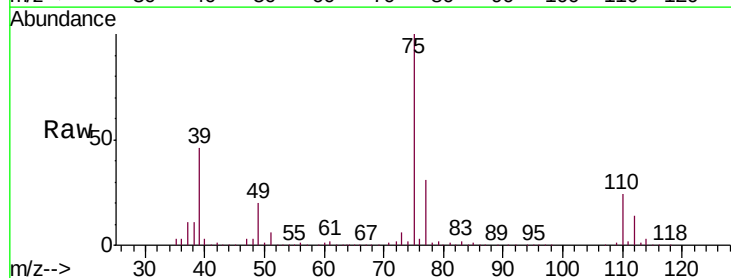
Acq: 30 Jan 2020 11:30

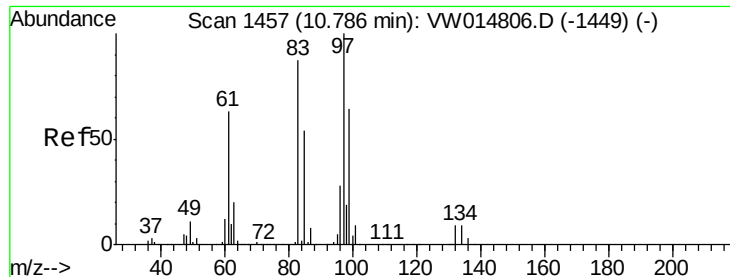
Tgt Ion: 75 Resp: 399676

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0

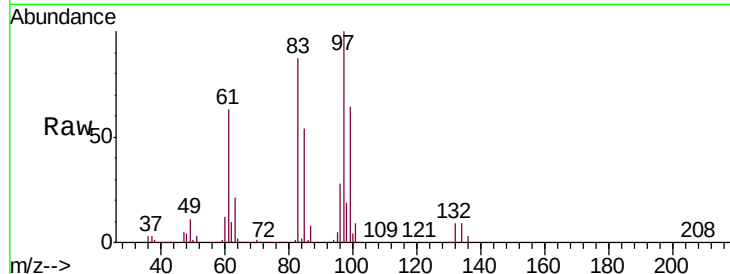




#46
 1,1,2-Trichloroethane
 Concen: 22.631 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion:	97	Resp:	218333
Ion	Ratio	Lower	Upper
97	100		
83	87.1	60.9	113.1
85	54.4	39.2	72.8
99	63.7	43.0	80.0



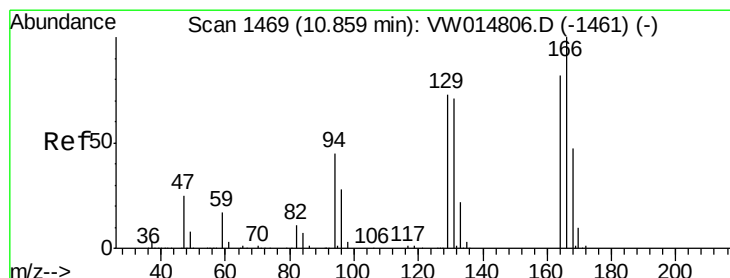
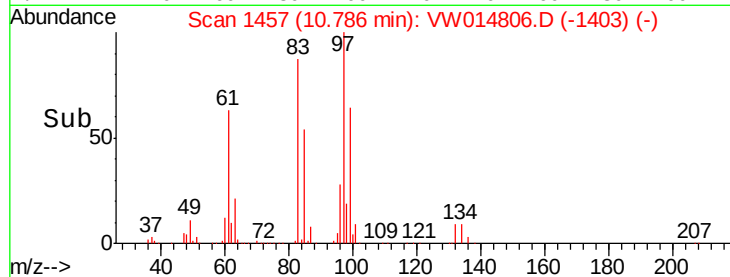
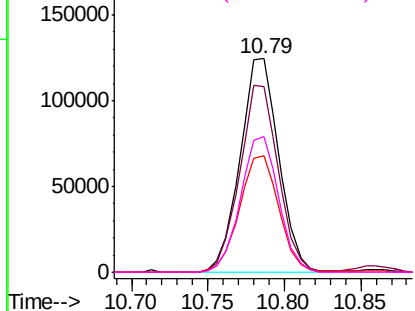
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

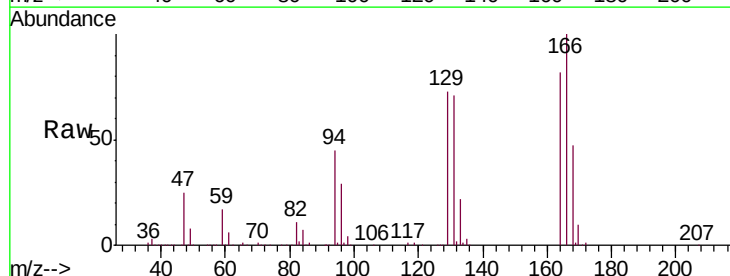
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 23.812 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Tgt Ion:	164	Resp:	269461
Ion	Ratio	Lower	Upper
164	100		
129	89.3	64.4	119.6
131	86.9	61.2	113.6
166	122.7	88.8	165.0



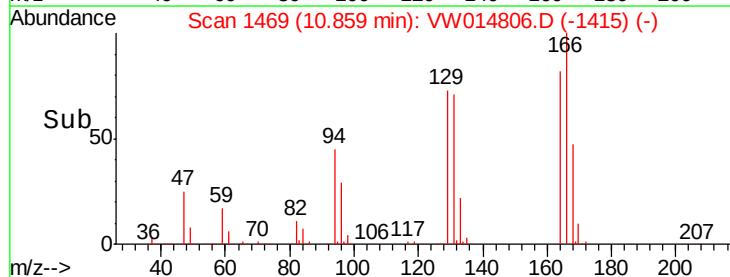
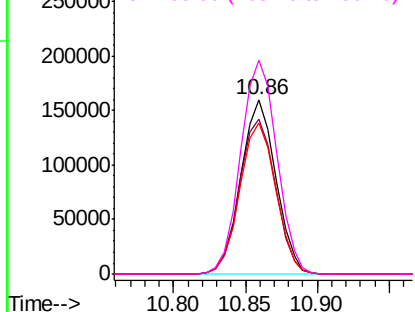
Abundance

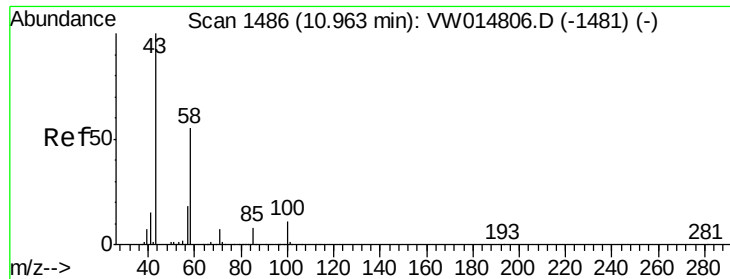
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

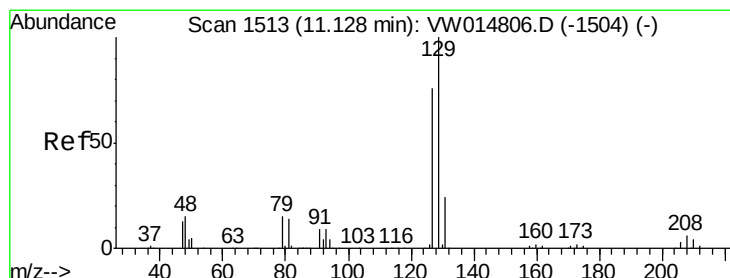
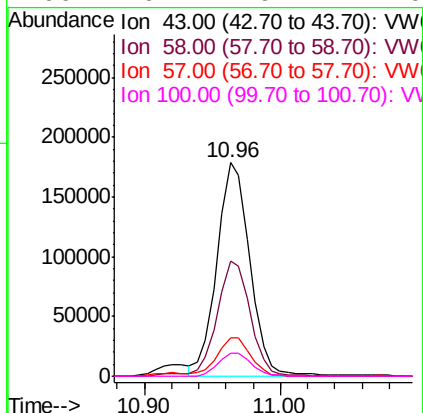
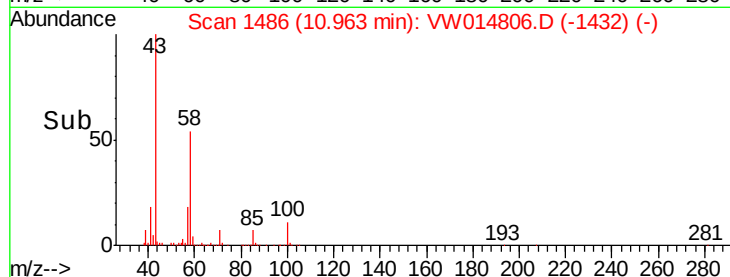
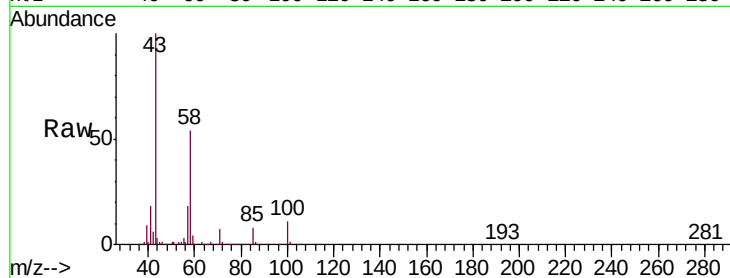




#49
2-Hexanone
Concen: 45.011 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

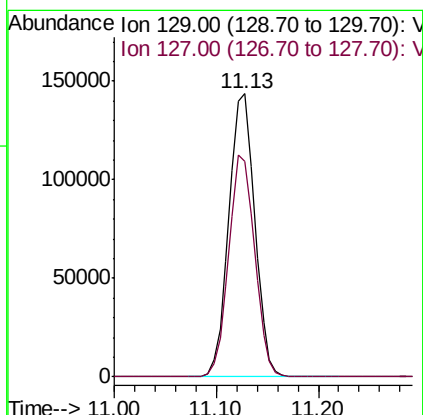
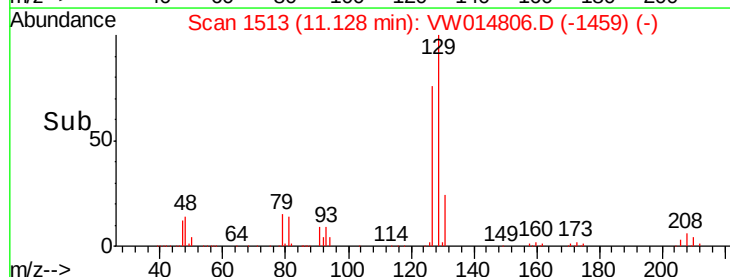
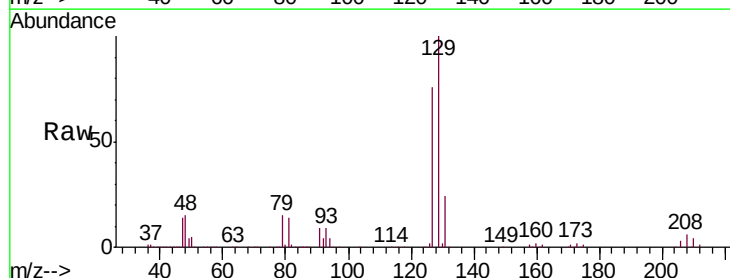
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

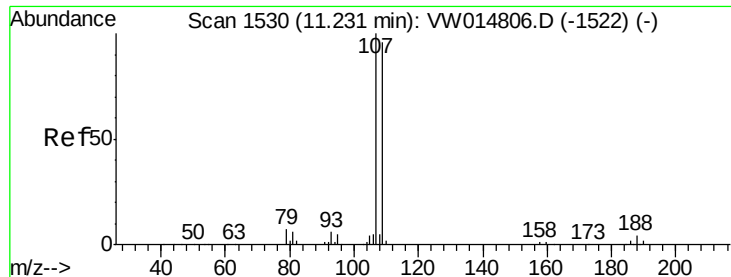
Tgt Ion: 43 Resp: 300729
Ion Ratio Lower Upper
43 100
58 53.9 43.2 64.8
57 18.3 14.7 22.1
100 10.7 9.4 14.0



#50
Dibromochloromethane
Concen: 22.935 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

Tgt Ion: 129 Resp: 252465
Ion Ratio Lower Upper
129 100
127 75.9 55.7 103.5

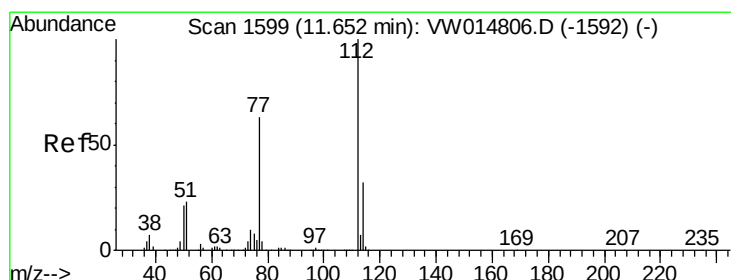
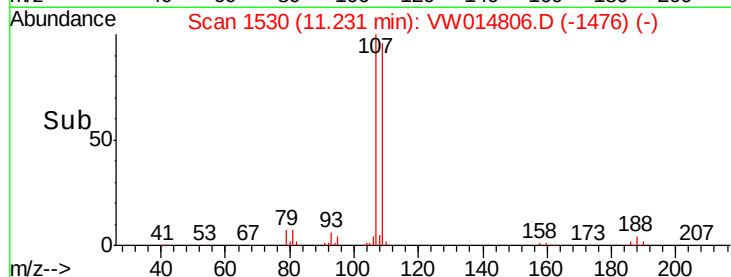
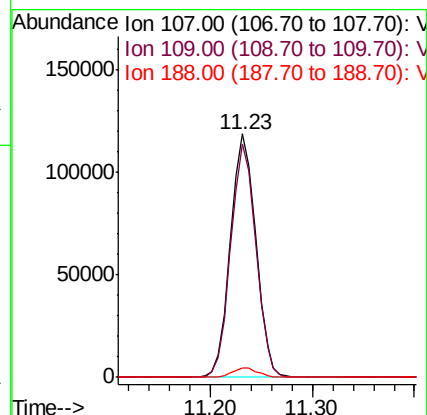
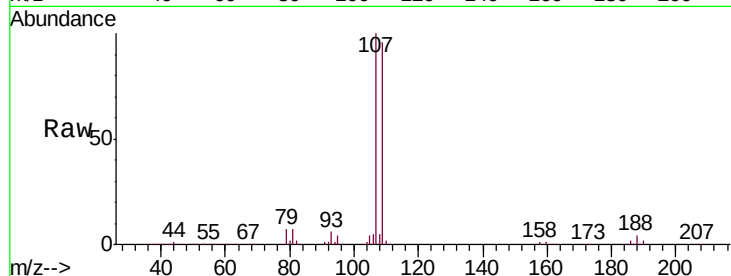




#51
1,2-Dibromoethane
Concen: 22.077 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

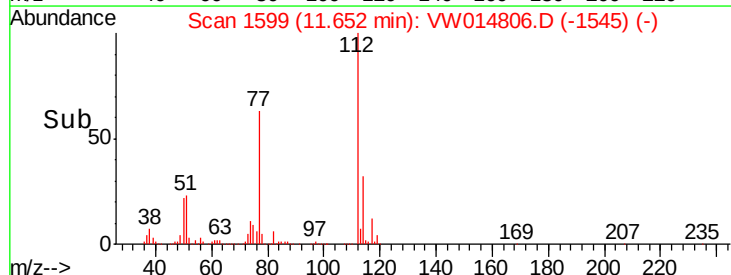
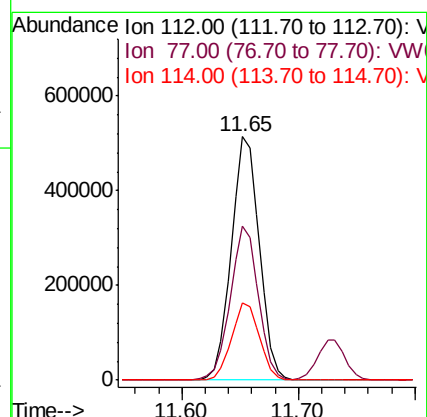
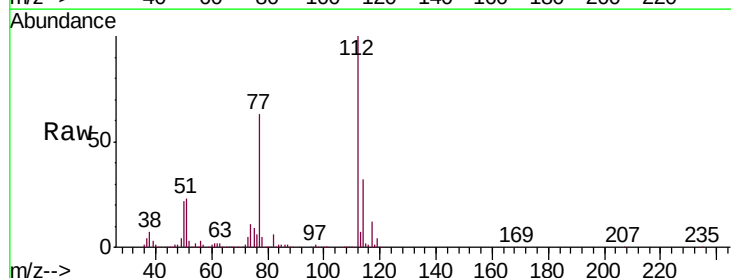
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

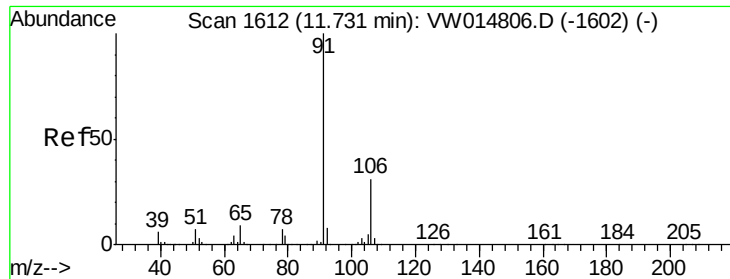
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.0	66.6	123.8
188	3.8	3.0	4.6



#52
Chlorobenzene
Concen: 24.243 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014806.D
Acq: 30 Jan 2020 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
77	63.2	49.2	73.8
114	31.7	22.5	41.7





#53

Ethylbenzene

Concen: 25.243 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

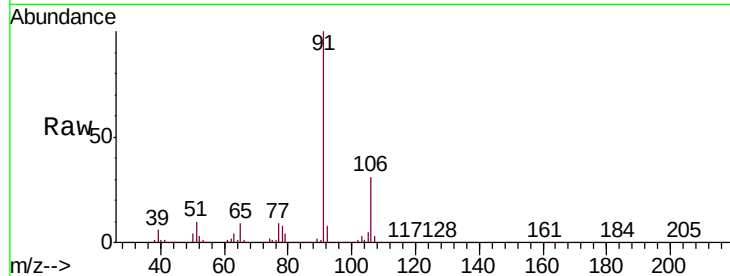
VSTD02530

Tgt Ion: 91 Resp: 1562698

Ion Ratio Lower Upper

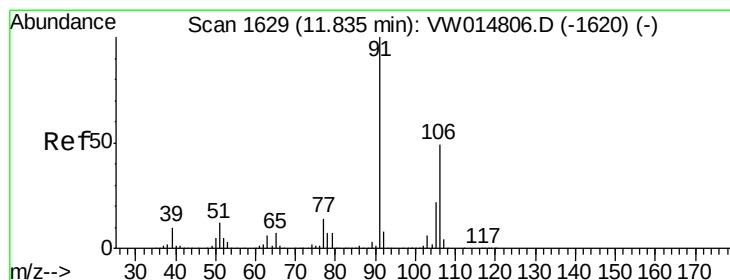
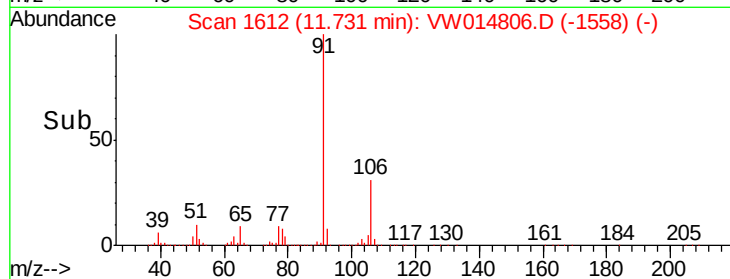
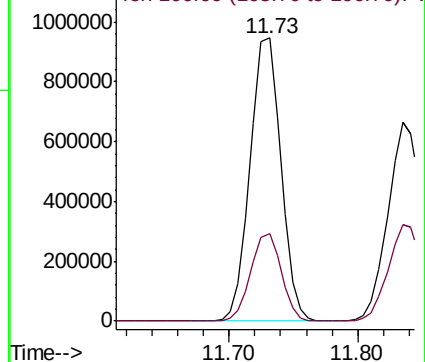
91 100

106 31.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.911 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014806.D

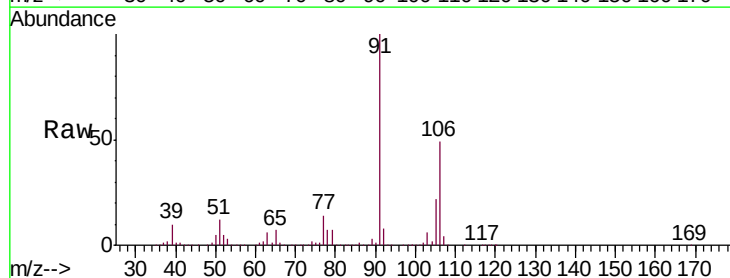
Acq: 30 Jan 2020 11:30

Tgt Ion: 106 Resp: 599591

Ion Ratio Lower Upper

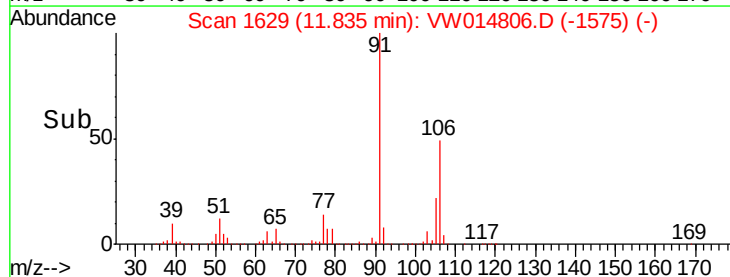
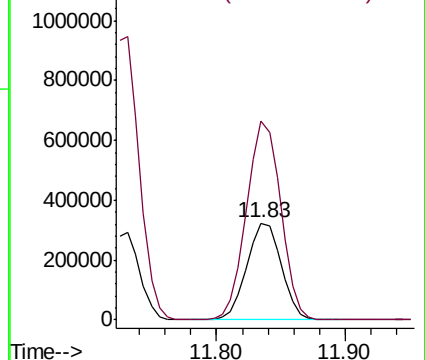
106 100

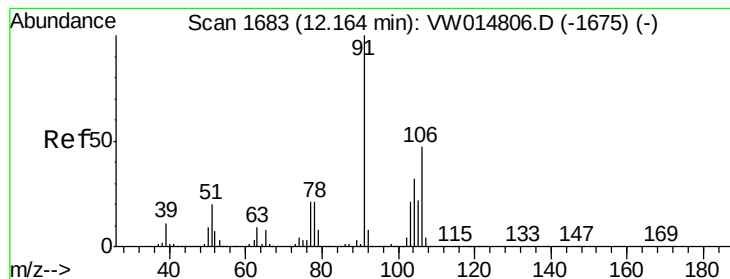
91 204.9 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 24.732 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampled :

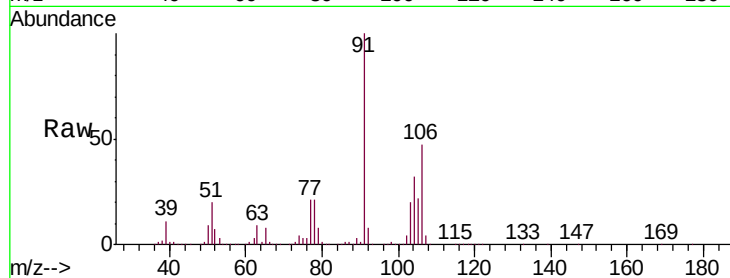
VSTD02530

Tgt Ion:106 Resp: 537005

Ion Ratio Lower Upper

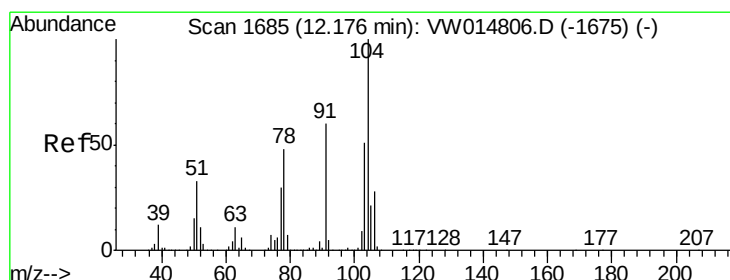
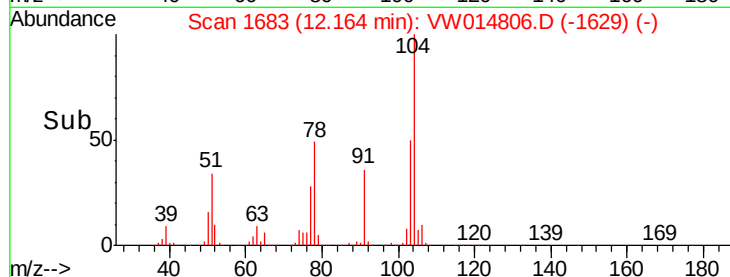
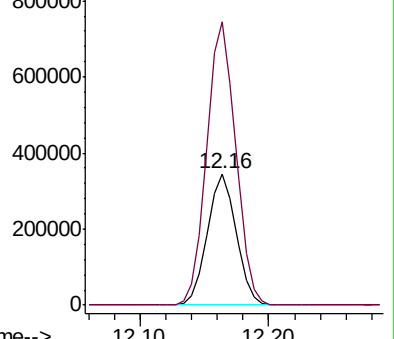
106 100

91 215.0 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.240 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014806.D

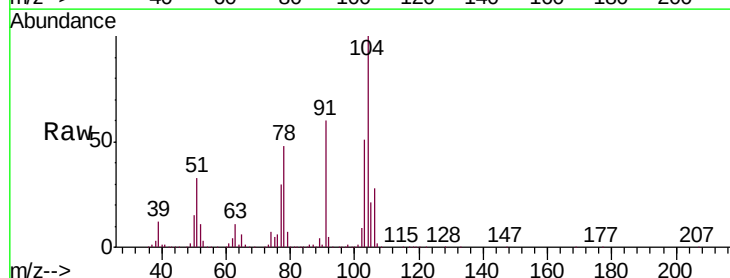
Acq: 30 Jan 2020 11:30

Tgt Ion:104 Resp: 929436

Ion Ratio Lower Upper

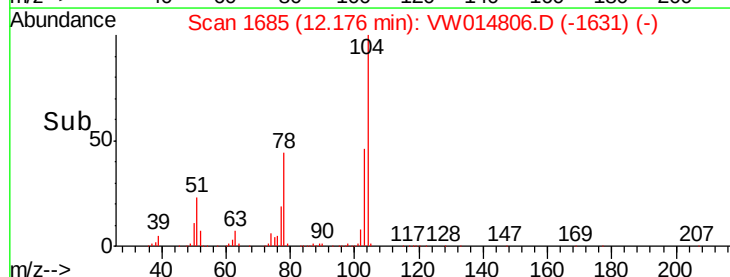
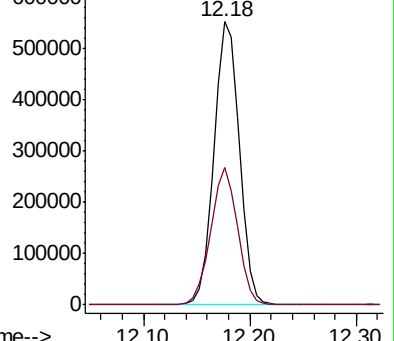
104 100

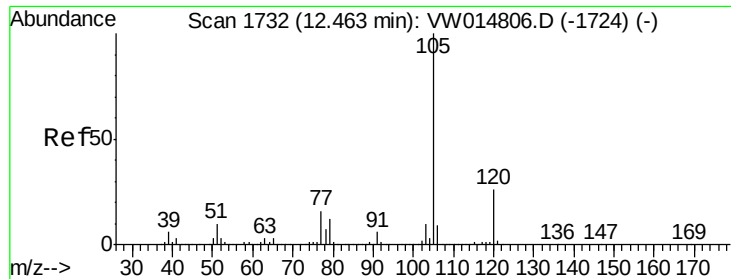
78 48.4 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.643 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

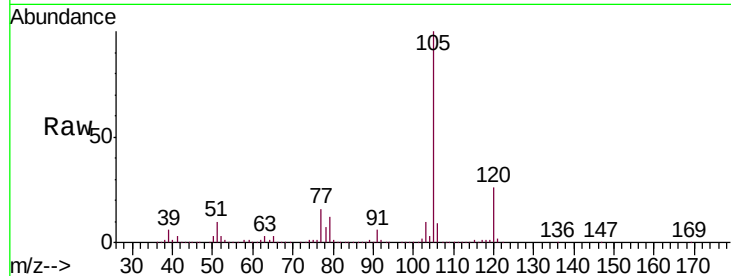
Tgt Ion:105 Resp: 1507943

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

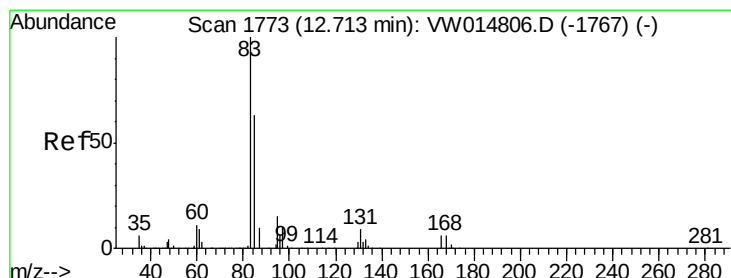
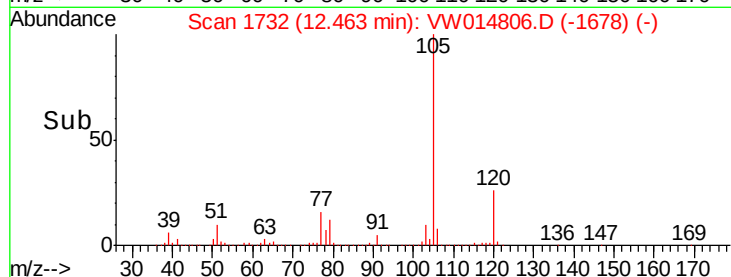
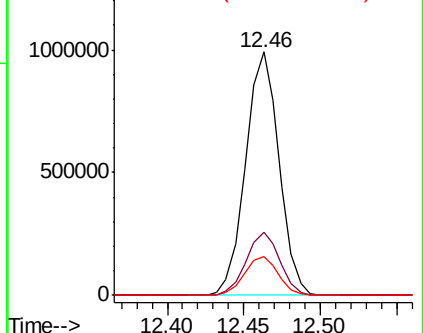
77 16.1 13.0 19.4



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: 21.578 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

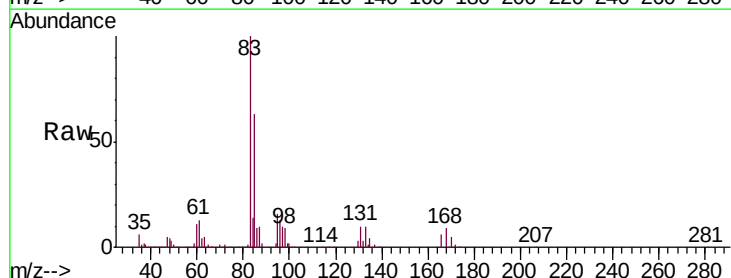
Tgt Ion: 83 Resp: 268224

Ion Ratio Lower Upper

83 100

85 63.5 45.0 83.6

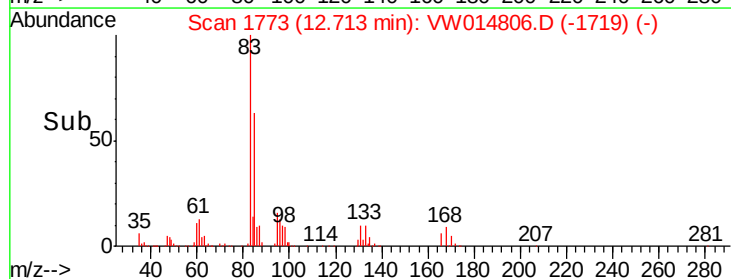
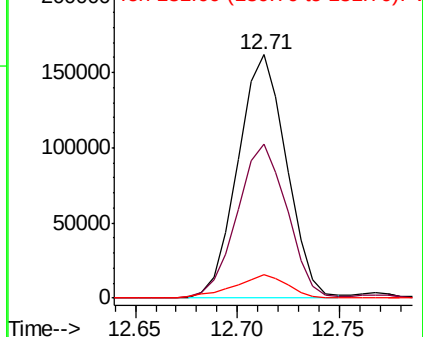
131 9.5 7.6 11.4

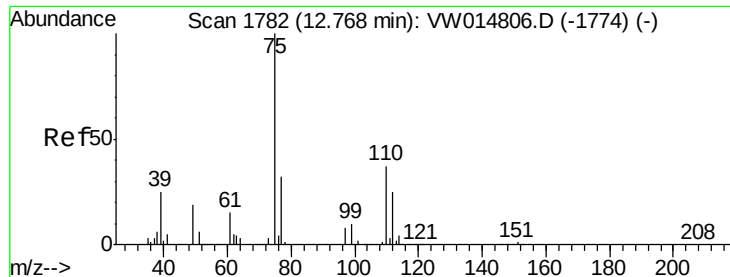


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.249 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

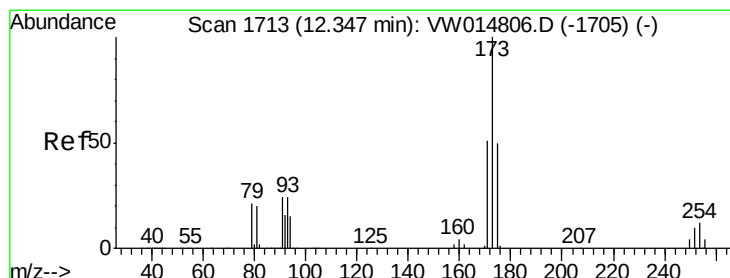
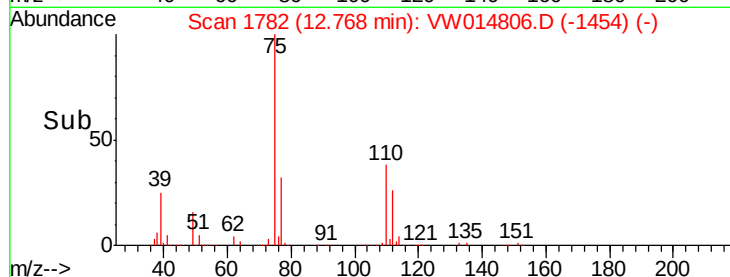
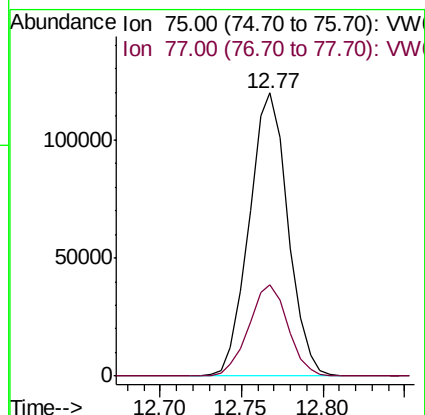
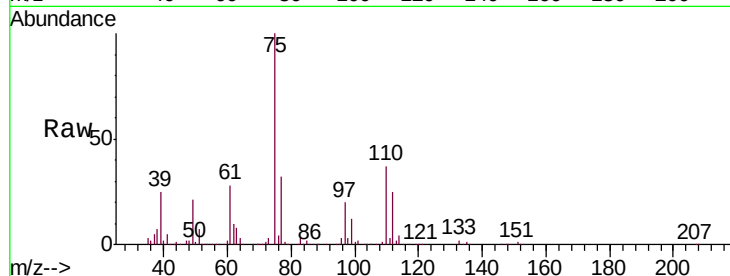
VSTD02530

Tgt Ion: 75 Resp: 198404

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



#62

Bromoform

Concen: 22.173 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

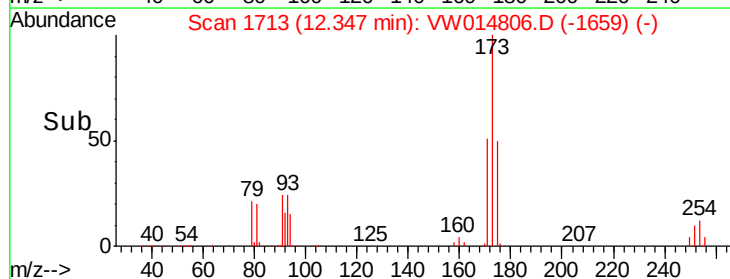
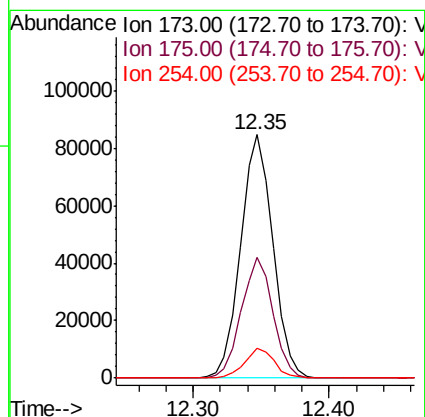
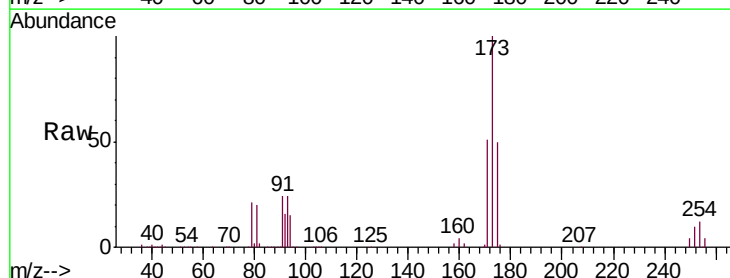
Tgt Ion: 173 Resp: 140048

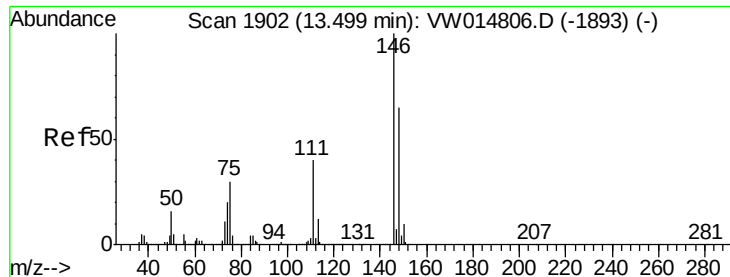
Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

254 11.5 8.9 13.3

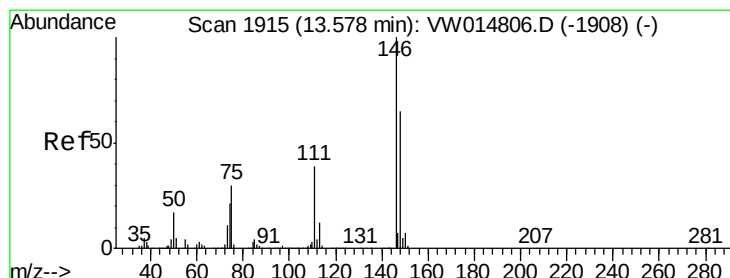
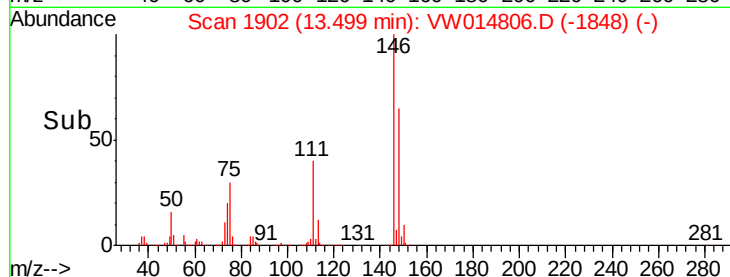
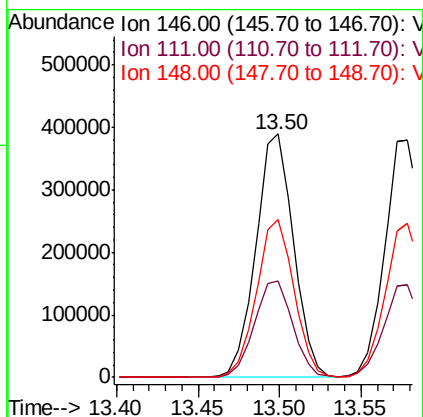
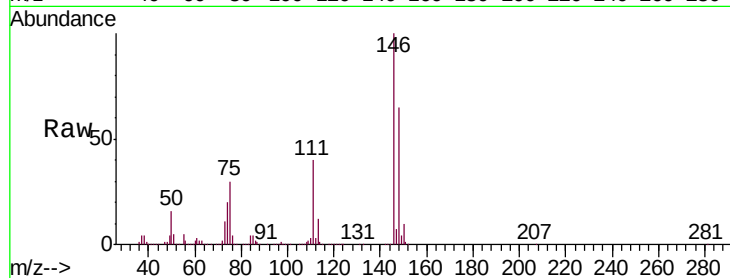




#63
 1,3-Dichlorobenzene
 Concen: 23.971 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

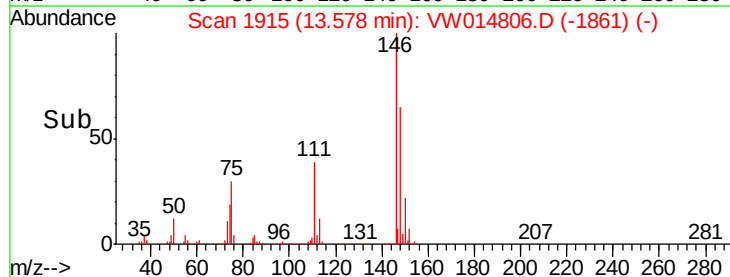
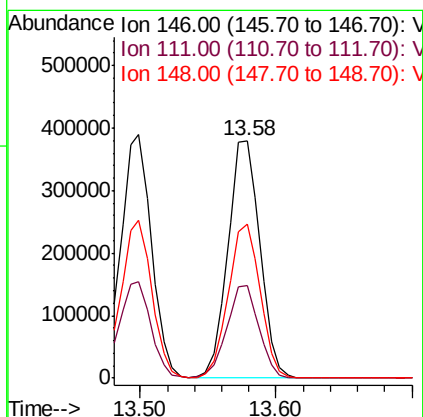
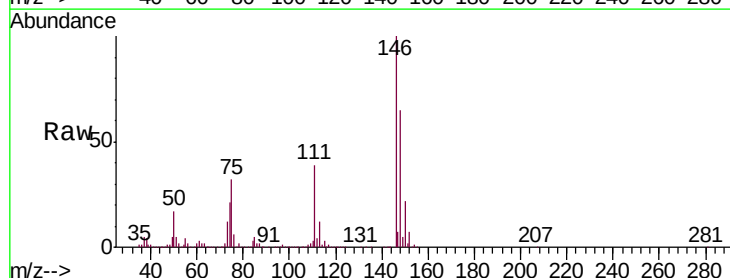
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

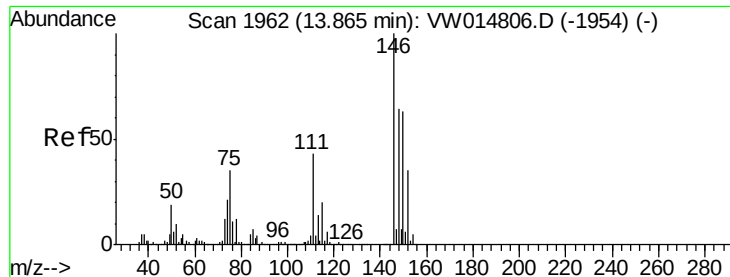
Tgt Ion:146 Resp: 622711
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.1 50.3
 148 64.8 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.904 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Tgt Ion:146 Resp: 622332
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.4 49.0
 148 65.0 43.9 81.5

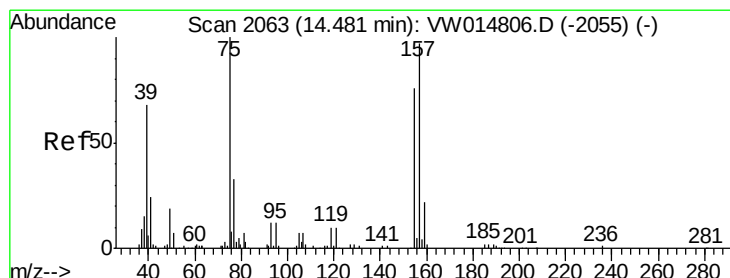
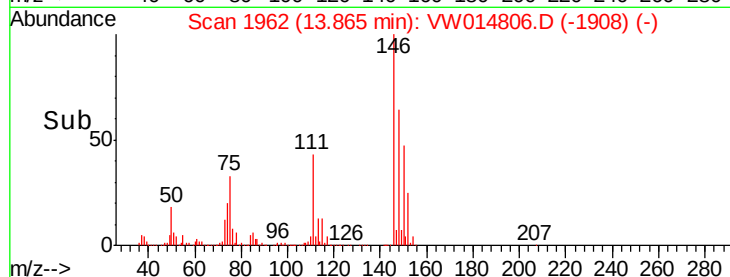
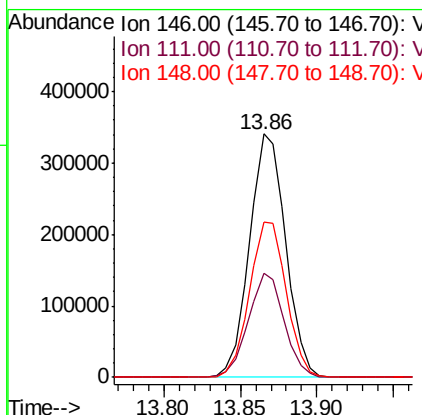
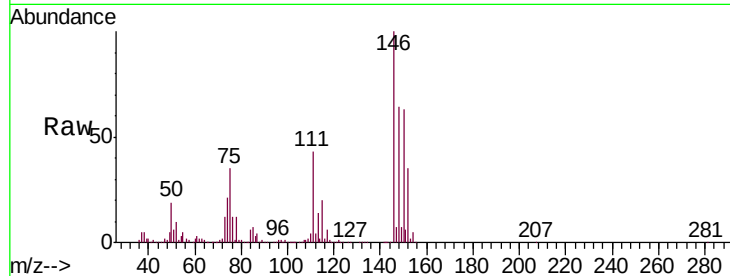




#65
 1,2-Dichlorobenzene
 Concen: 23.741 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

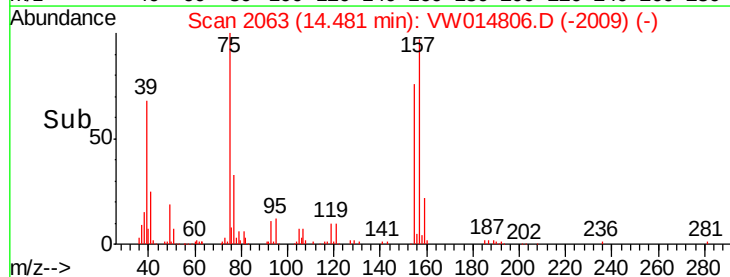
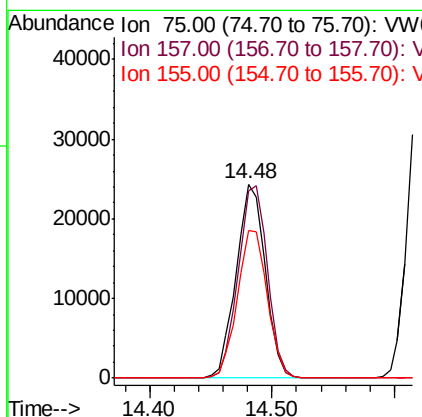
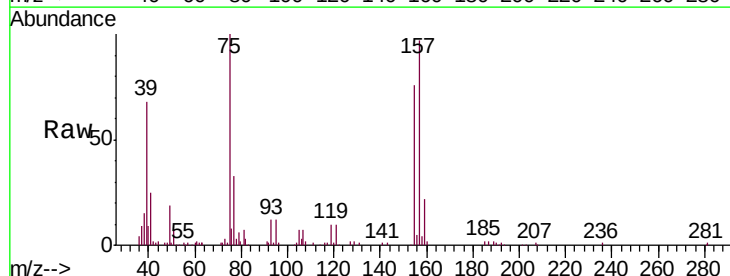
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

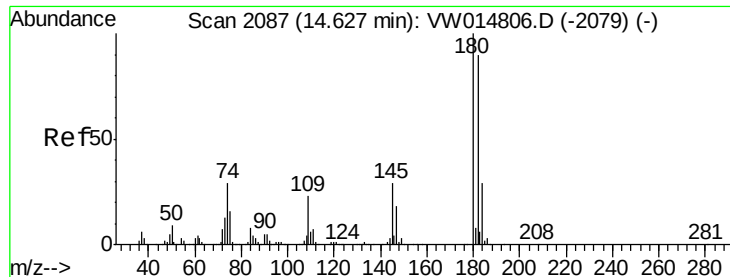
Tgt Ion: 146 Resp: 560950
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.4 50.2
 148 64.0 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.700 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Tgt Ion: 75 Resp: 40115
 Ion Ratio Lower Upper
 75 100
 157 96.9 84.9 127.3
 155 76.3 67.1 100.7

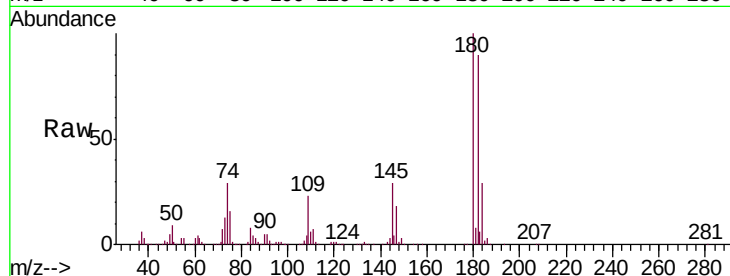




#67
 1,3,5-Trichlorobenzene
 Concen: 23.873 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
184	29.8	24.2	36.4
145	28.9	22.8	34.2



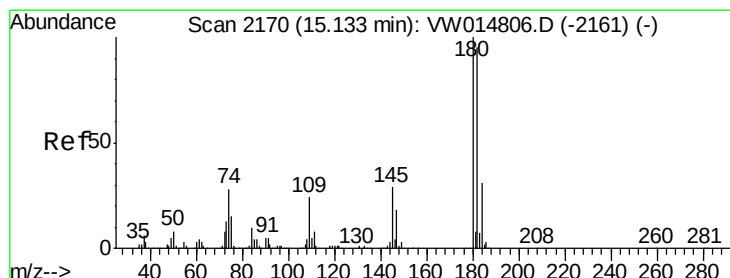
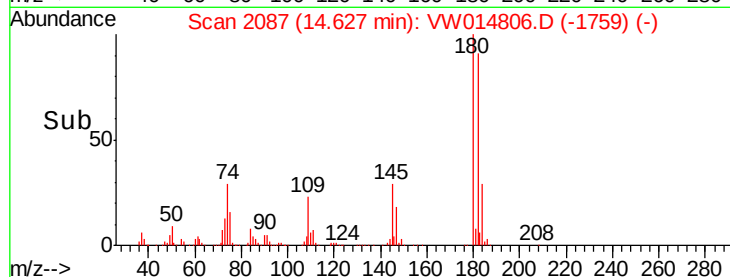
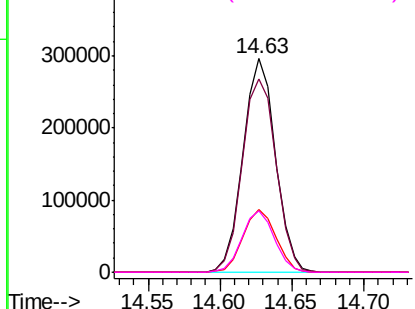
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

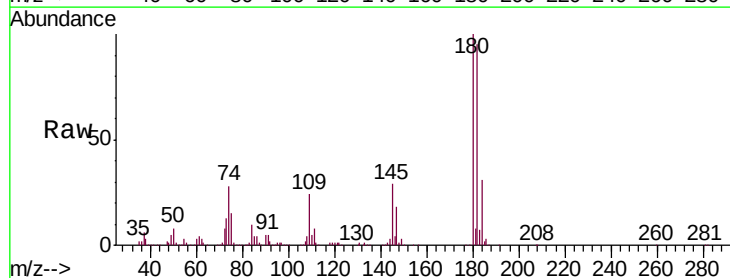
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.502 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014806.D
 Acq: 30 Jan 2020 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
145	29.1	23.3	34.9

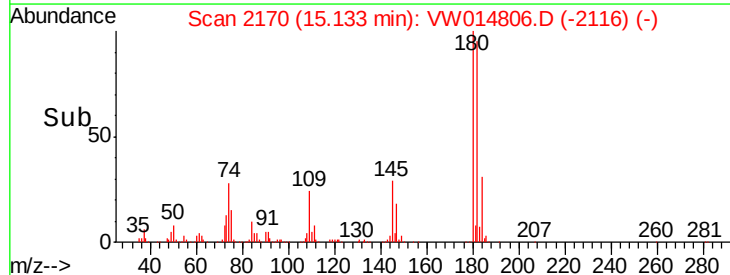
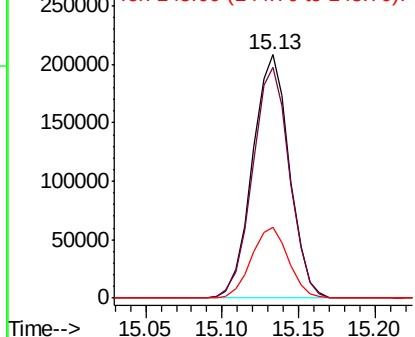


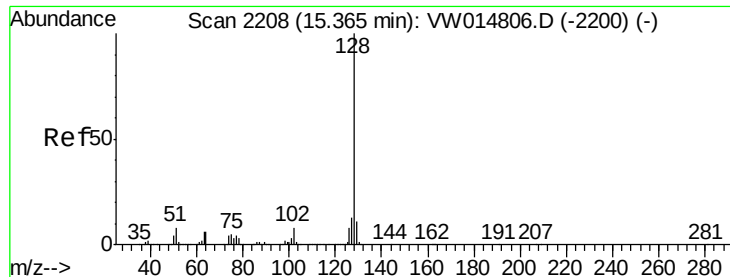
Abundance

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: 23.360 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

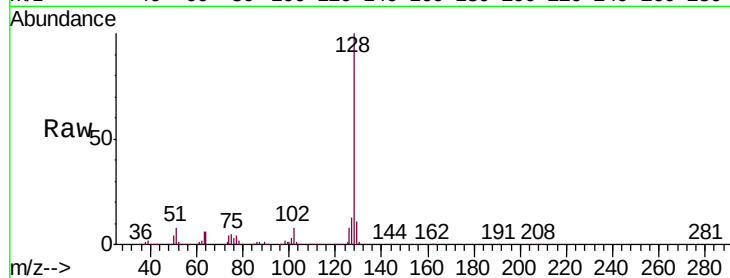
Tgt Ion:128 Resp: 603273

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

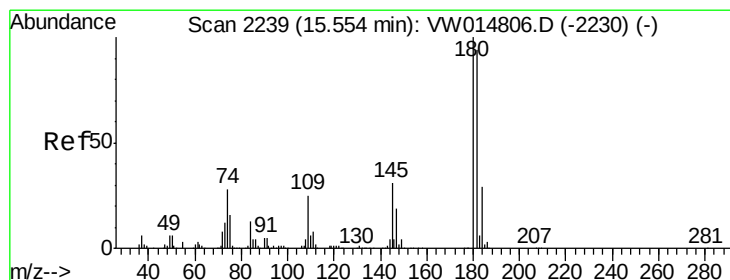
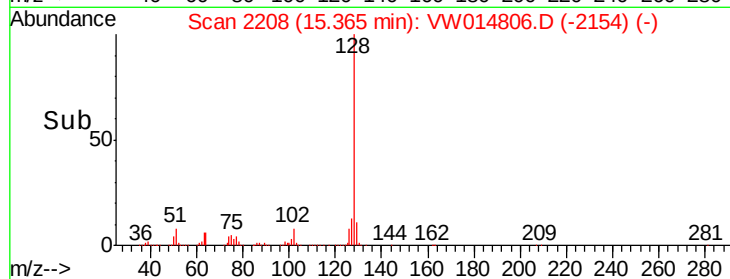
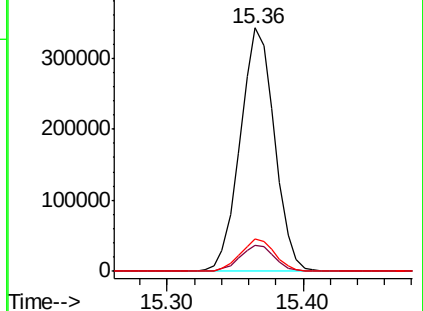
127 13.3 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.834 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014806.D

Acq: 30 Jan 2020 11:30

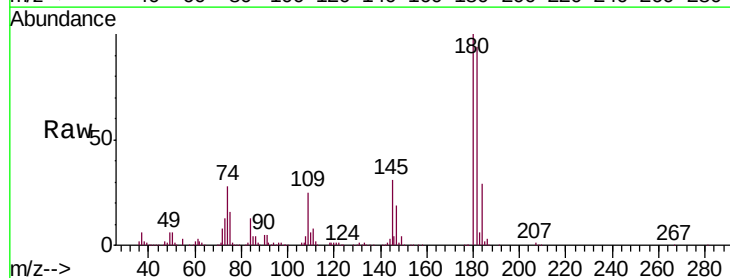
Tgt Ion:180 Resp: 312033

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

145 31.0 24.3 36.5



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

