

Data File : VW014831.D
Acq On : 03 Feb 2020 13:08
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Quant Time: Feb 04 06:51:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 03:25:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	874675	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	800290	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	372521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	389324	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.68%
7) Chloroethane-d5	2.89	69	309781	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.02	63	714573	24.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.20%
20) 2-Butanone-d5	7.07	46	250281	48.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.22%
24) Chloroform-d	7.65	84	653969	23.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.92%
26) 1,2-Dichloroethane-d4	8.31	65	371943	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.04%
29) Benzene-d6	8.27	84	1351943	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	440707	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	10.32	98	1222430	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.28%
38) trans-1,3-Dichloropropene-	10.57	79	183830	25.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.48%
39) 2-Hexanone-d5	10.92	63	190101	52.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	352683	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	369823	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	227971	20.696	ug/L 94
3) Chloromethane	2.21	50	365275	24.191	ug/L 99
5) Vinyl chloride	2.37	62	436296	28.745	ug/L 98
6) Bromomethane	2.78	94	215883	24.305	ug/L 98
8) Chloroethane	2.92	64	245328	24.895	ug/L 97
9) Trichlorofluoromethane	3.26	101	203729	23.055	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	332063	24.517	ug/L 100
12) 1,1-Dichloroethene	4.04	96	320276	25.073	ug/L 91
13) Acetone	4.12	43	222909	40.031	ug/L 99
14) Carbon disulfide	4.39	76	995404	25.674	ug/L 98
15) Methyl Acetate	4.67	43	208855	25.061	ug/L 100
16) Methylene chloride	4.92	84	365941	22.657	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	425957	26.276	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	327765	25.004	ug/L 98
19) 1,1-Dichloroethane	6.21	63	667829	25.090	ug/L 97
21) 2-Butanone	7.17	43	295846	49.509	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	349880	25.823	ug/L 100

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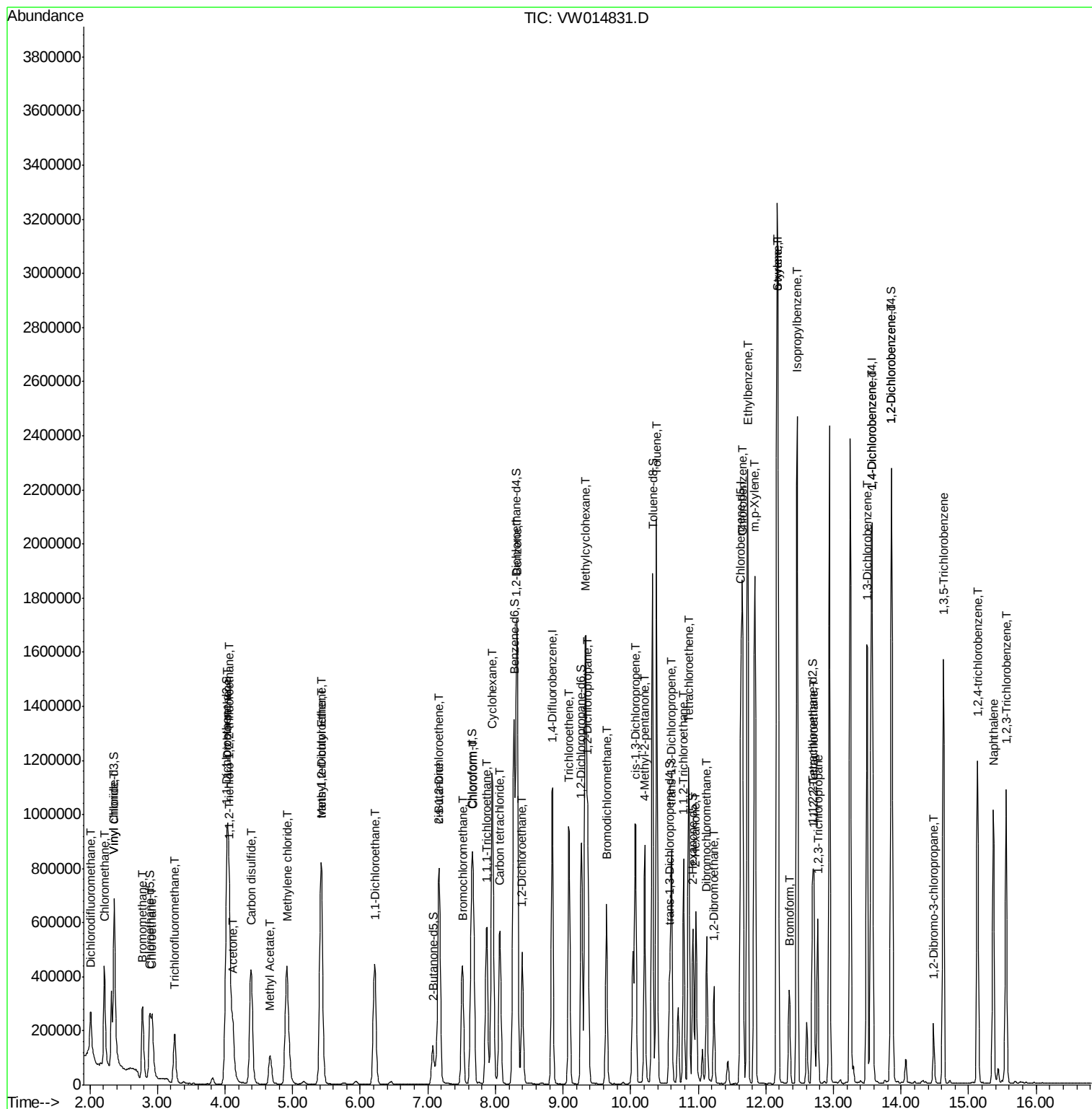
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	145636	25.136	ug/L	96
25) Chloroform	7.67	83	610798	25.135	ug/L	100
27) 1,2-Dichloroethane	8.40	62	427210	25.163	ug/L	99
30) Cyclohexane	7.95	56	651897	26.952	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	473072	25.189	ug/L	99
32) Carbon tetrachloride	8.07	117	424903	24.906	ug/L	100
34) Benzene	8.32	78	1429310	25.505	ug/L	100
35) Trichloroethene	9.09	95	342946	24.780	ug/L	99
36) Methylcyclohexane	9.34	83	639959	26.402	ug/L	99
40) 1,2-Dichloropropane	9.37	63	382660	25.319	ug/L	100
41) Bromodichloromethane	9.64	83	439821	25.396	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	561220	26.677	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	596738	53.772	ug/L	100
44) Toluene	10.38	91	1465581	26.140	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	462834	26.735	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	255025	25.499	ug/L	96
47) Tetrachloroethene	10.86	164	260842	25.264	ug/L	97
49) 2-Hexanone	10.96	43	424564	55.446	ug/L	98
50) Dibromochloromethane	11.13	129	279556	26.000	ug/L	99
51) 1,2-Dibromoethane	11.23	107	240326	25.557	ug/L	97
52) Chlorobenzene	11.65	112	856675	25.046	ug/L	95
53) Ethylbenzene	11.73	91	1611407	26.526	ug/L	99
54) m,p-Xylene	11.84	106	585143	26.321	ug/L	98
55) o-xylene	12.16	106	564158	27.240	ug/L	98
56) Styrene	12.18	104	960128	27.225	ug/L	100
57) Isopropylbenzene	12.46	105	1523289	27.199	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	342496	26.088	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	261976	26.065	ug/L	100
62) Bromoform	12.35	173	154388	25.073	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	639889	25.611	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	638673	25.360	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	590047	25.939	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	58475	26.337	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	464190	26.220	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	374983	27.111	ug/L	97
69) Naphthalene	15.36	128	819386	29.199	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	352966	27.614	ug/L	99

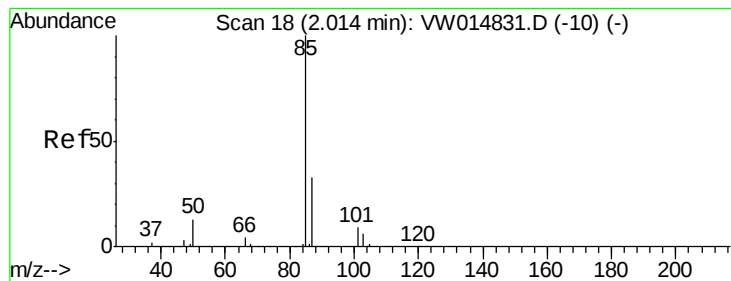
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.696 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

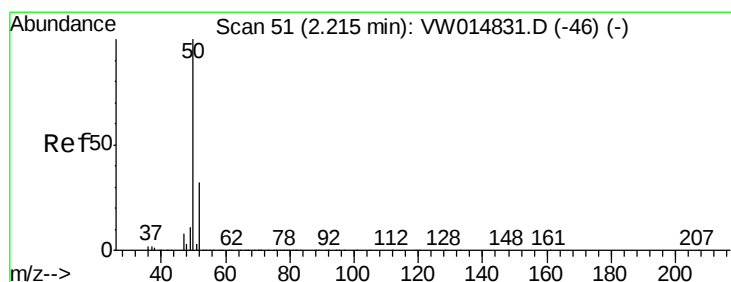
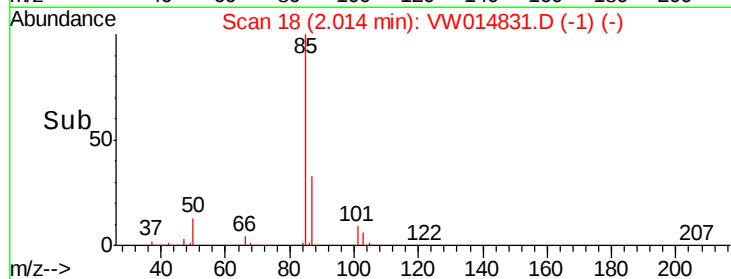
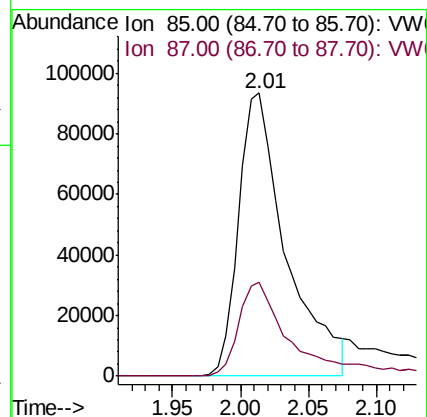
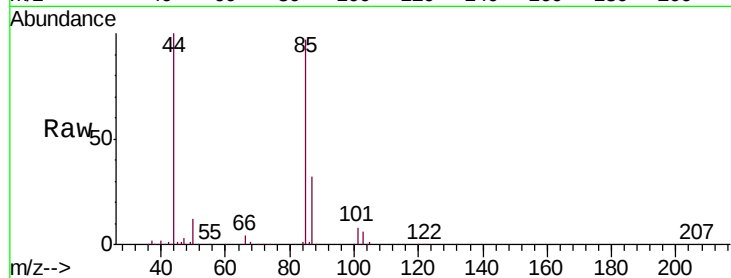
VSTD02509

Tgt Ion: 85 Resp: 227971

Ion Ratio Lower Upper

85 100

87 33.6 21.2 39.4



#3

Chloromethane

Concen: 24.191 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014831.D

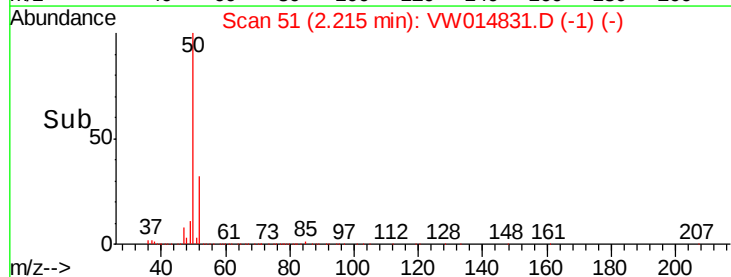
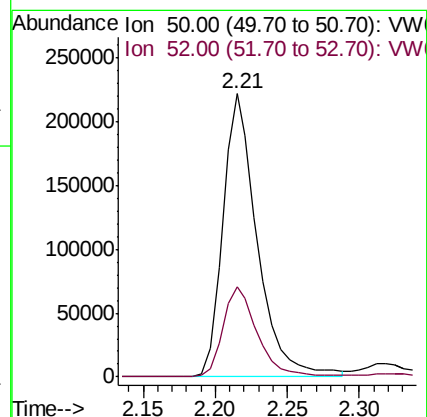
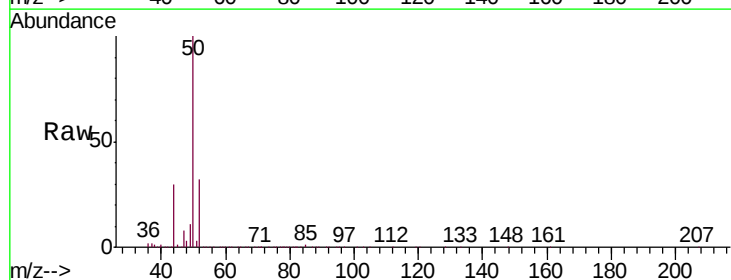
Acq: 03 Feb 2020 13:08

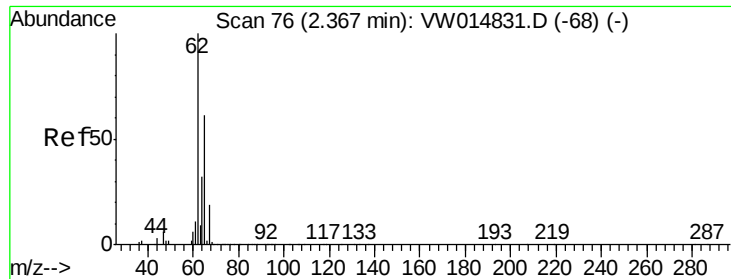
Tgt Ion: 50 Resp: 365275

Ion Ratio Lower Upper

50 100

52 31.8 22.6 42.0





#5

Vinyl chloride

Concen: 28.745 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

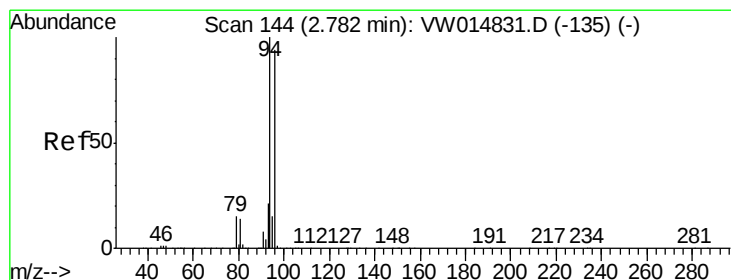
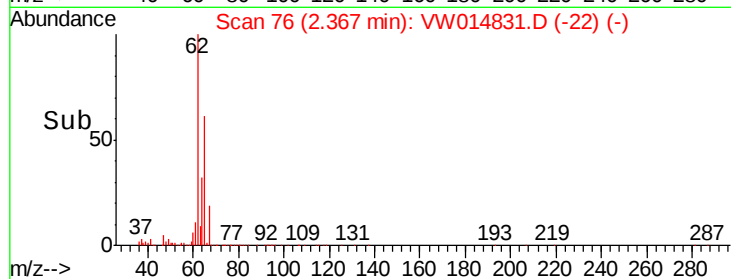
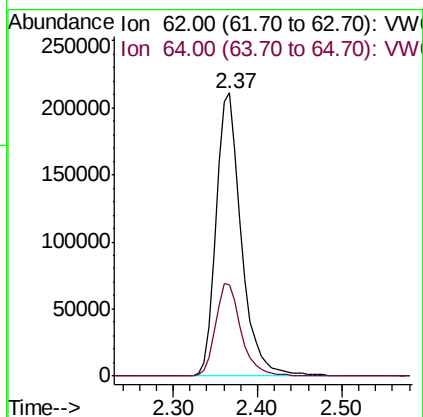
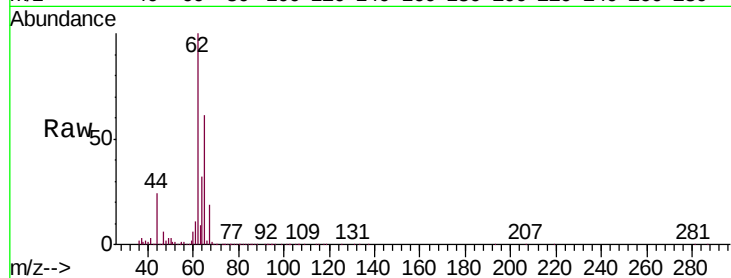
VSTD02509

Tgt Ion: 62 Resp: 436296

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



#6

Bromomethane

Concen: 24.305 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014831.D

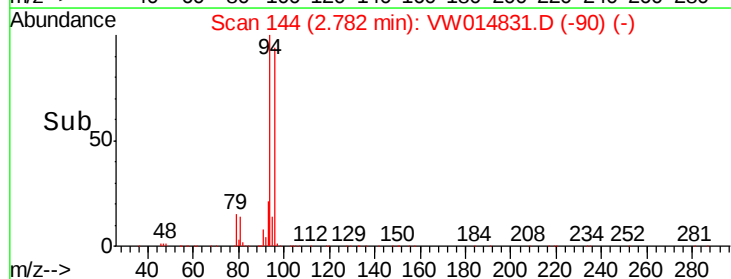
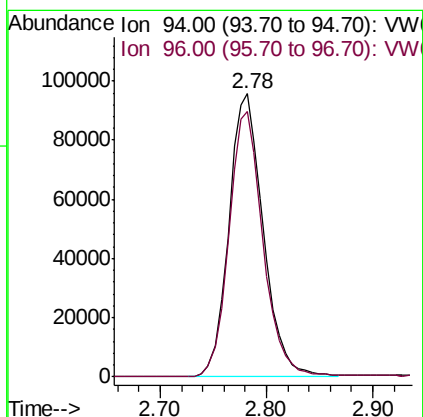
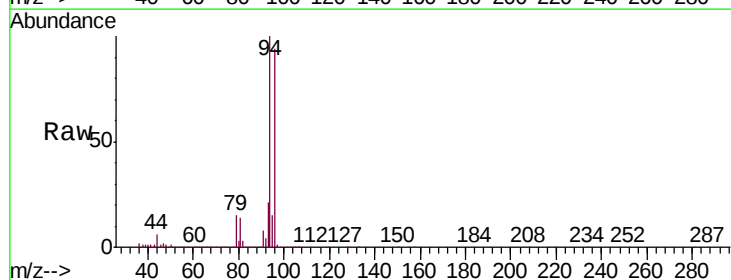
Acq: 03 Feb 2020 13:08

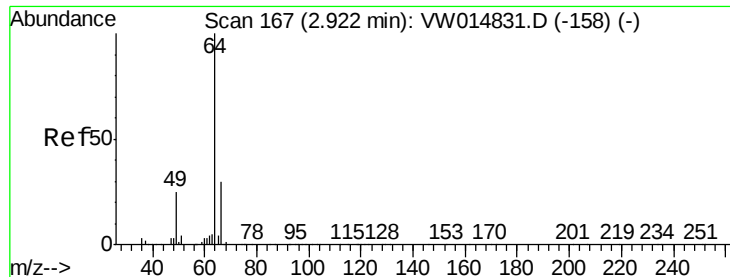
Tgt Ion: 94 Resp: 215883

Ion Ratio Lower Upper

94 100

96 92.8 9.5 179.9

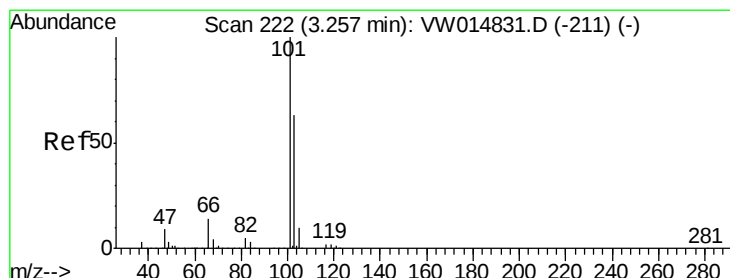
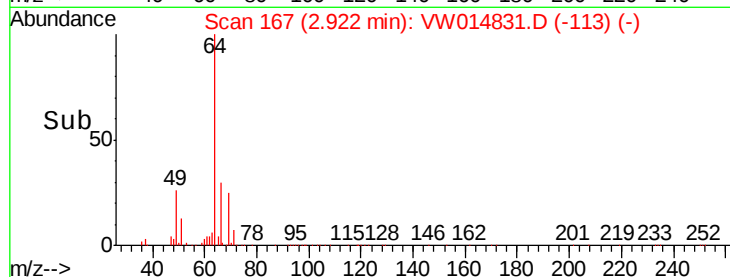
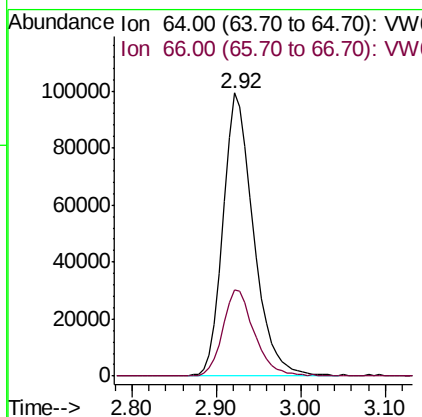
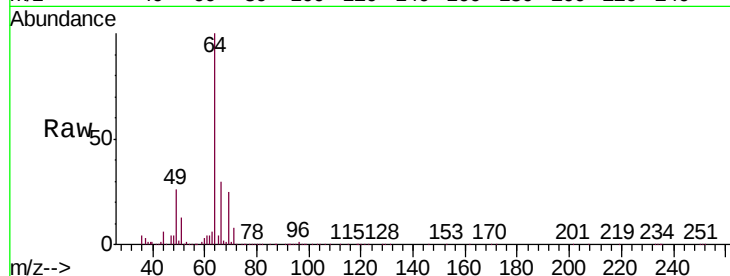




#8
Chloroethane
Concen: 24.895 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

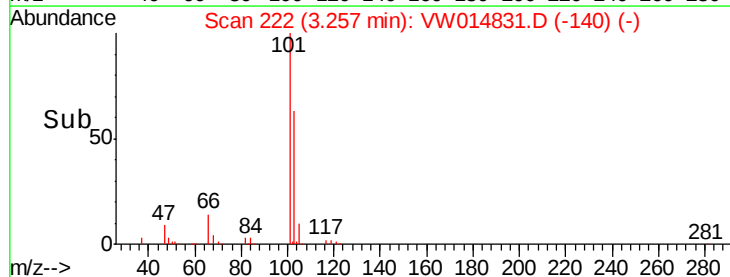
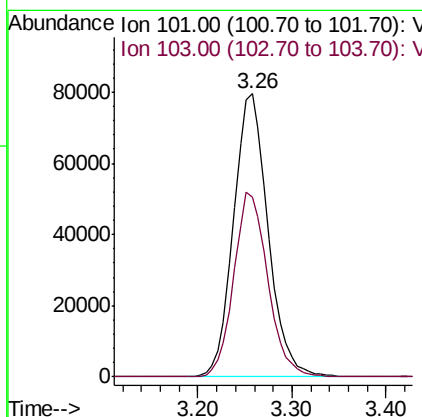
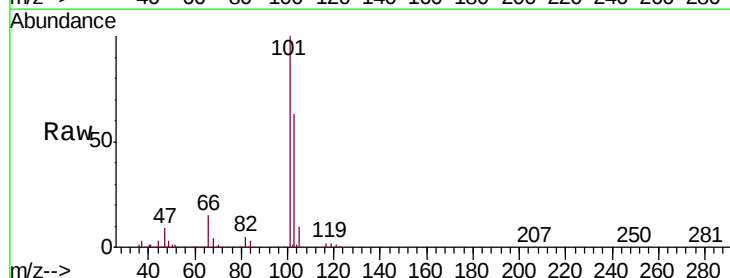
Instrument :
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VSTD02509

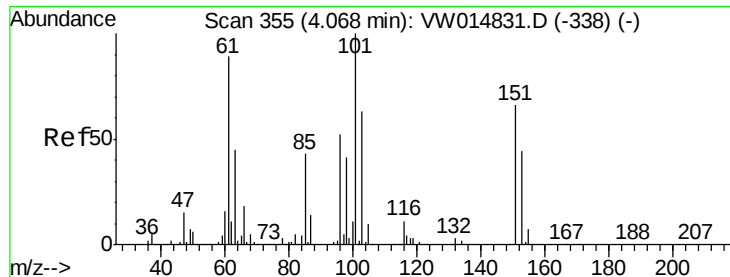
Tgt Ion: 64 Resp: 245328
Ion Ratio Lower Upper
64 100
66 30.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 23.055 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion: 101 Resp: 203729
Ion Ratio Lower Upper
101 100
103 64.2 45.4 84.4





#11

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

Concen: 24.517 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampled :

VSTD02509

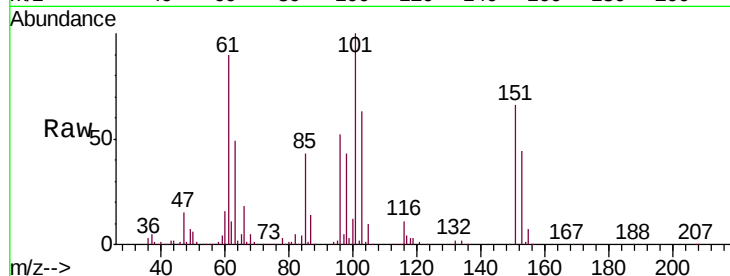
Tgt Ion: 101 Resp: 332063

Ion Ratio Lower Upper

101 100

85 44.1 34.9 52.3

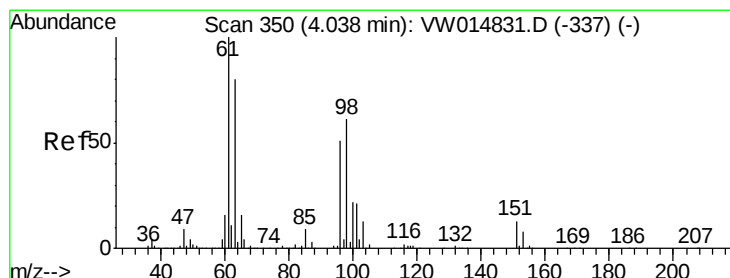
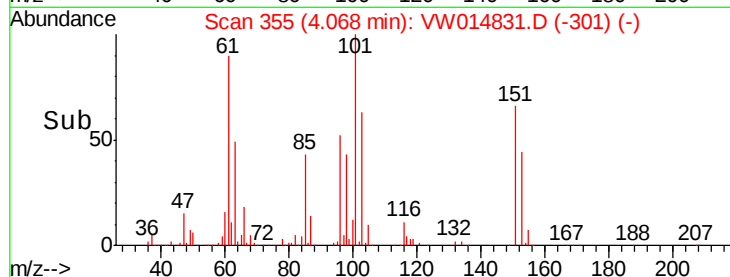
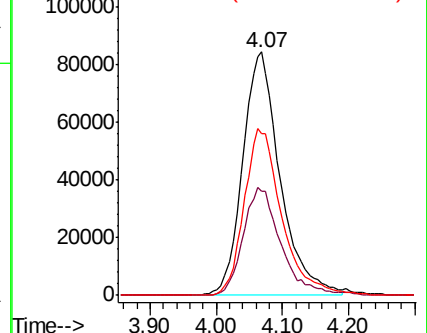
151 68.9 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.073 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014831.D

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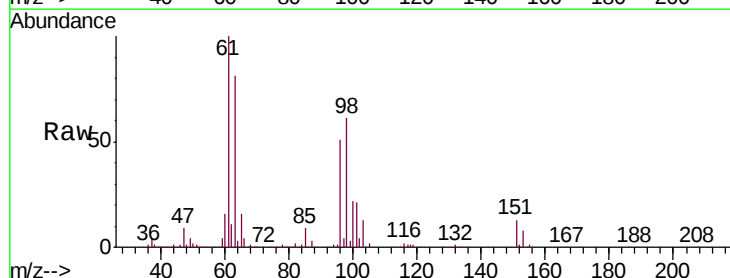
Tgt Ion: 96 Resp: 320276

Ion Ratio Lower Upper

96 100

61 195.8 131.5 244.3

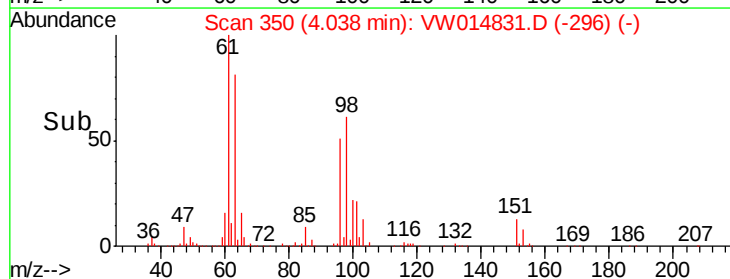
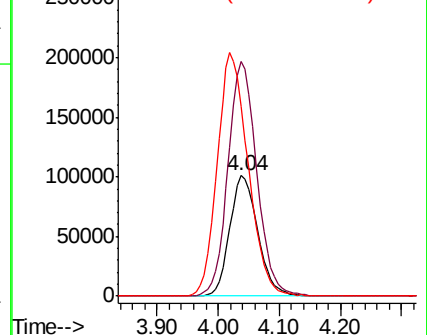
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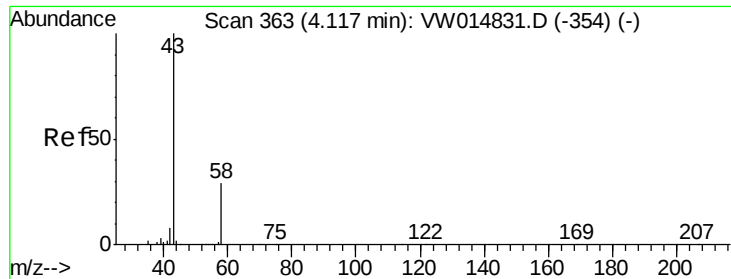


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.031 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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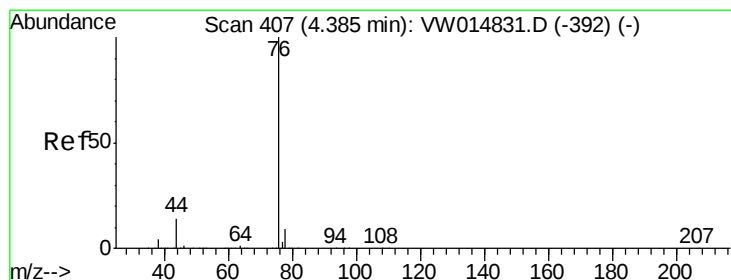
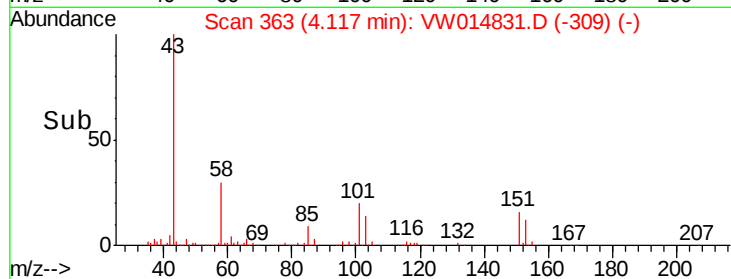
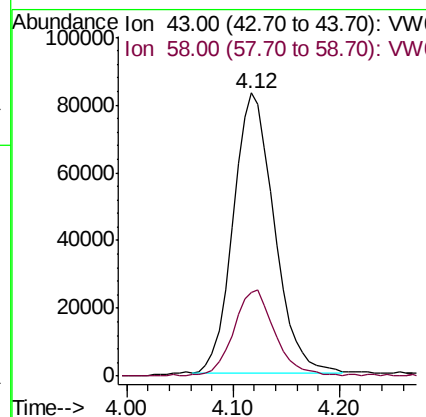
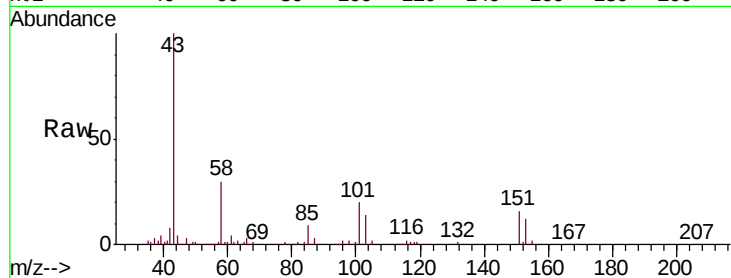
VSTD02509

Tgt Ion: 43 Resp: 222909

Ion Ratio Lower Upper

43 100

58 30.6 0.0 60.2



#14

Carbon disulfide

Concen: 25.674 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014831.D

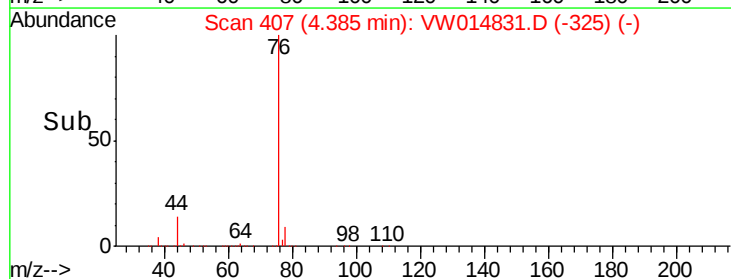
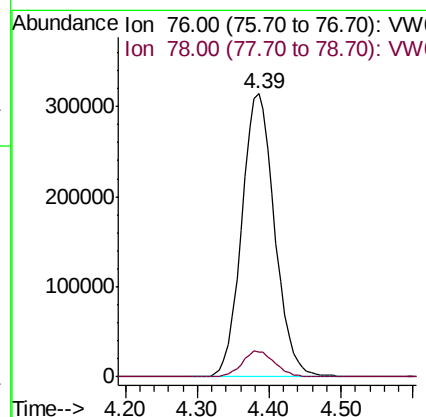
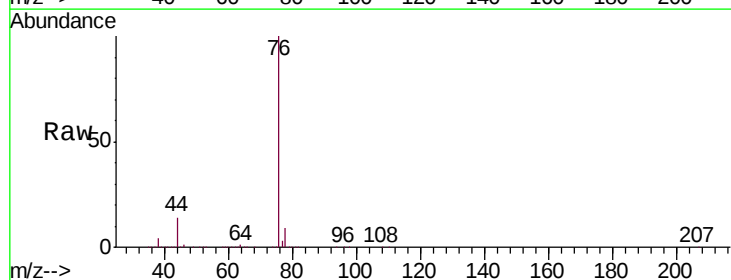
Acq: 03 Feb 2020 13:08

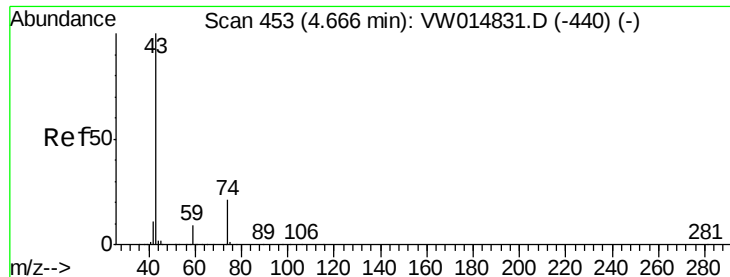
Tgt Ion: 76 Resp: 995404

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

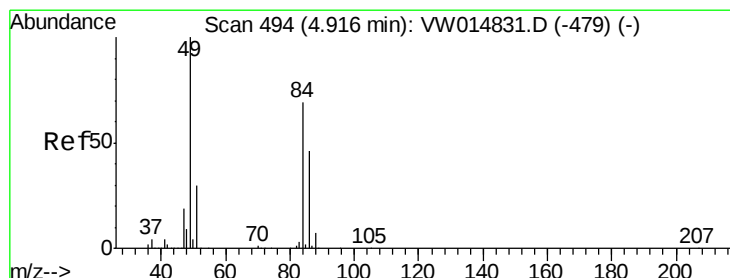
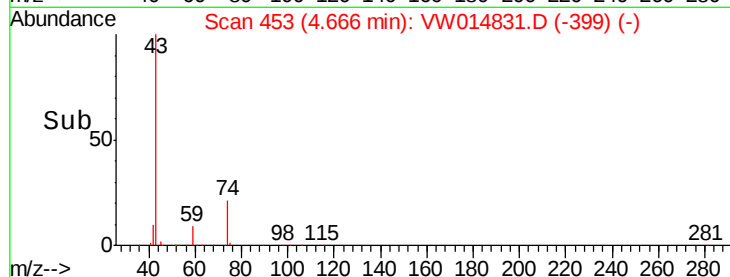
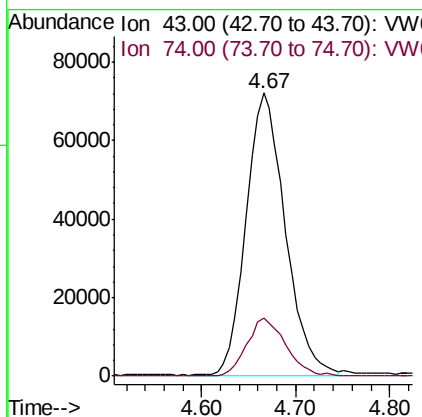
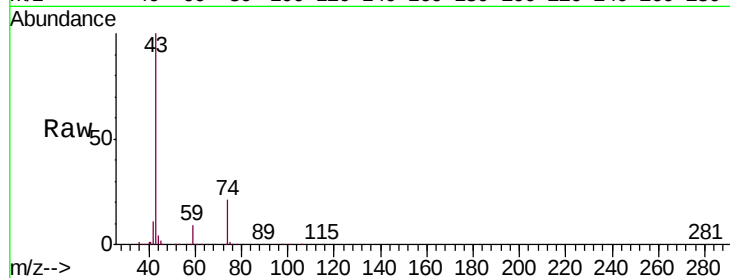




#15
Methyl Acetate
Concen: 25.061 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

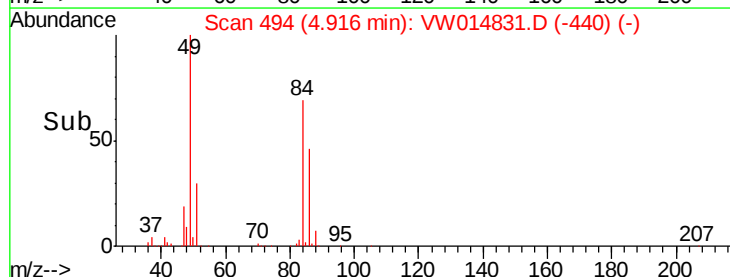
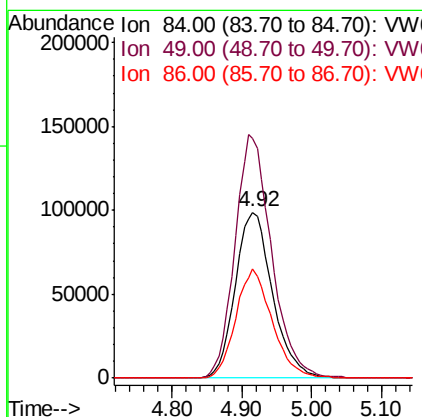
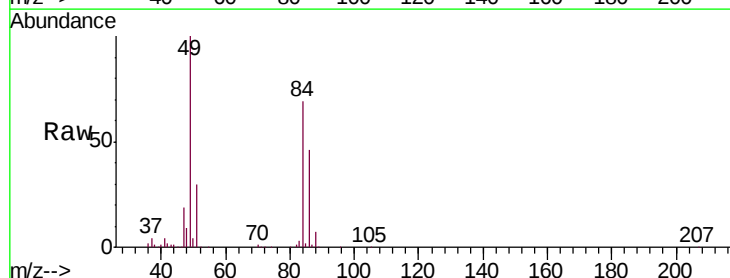
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

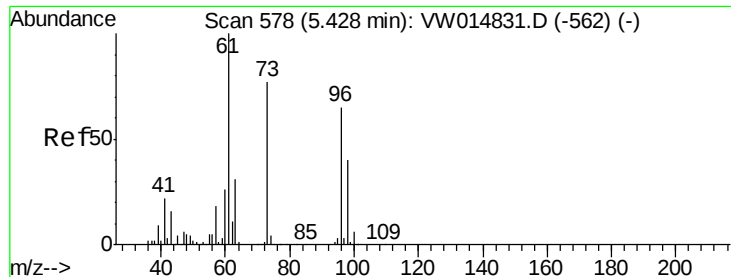
Tgt Ion: 43 Resp: 208855
Ion Ratio Lower Upper
43 100
74 20.4 16.3 24.5



#16
Methylene chloride
Concen: 22.657 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion: 84 Resp: 365941
Ion Ratio Lower Upper
84 100
49 144.6 96.6 179.4
86 66.0 43.8 81.4

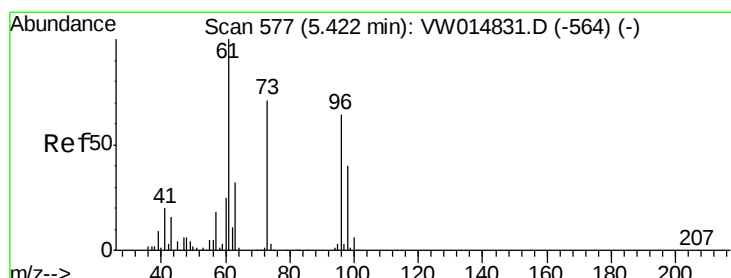
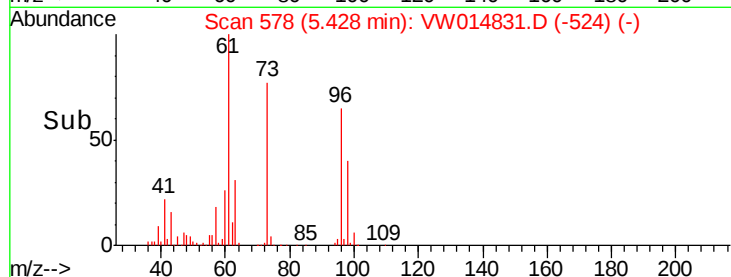
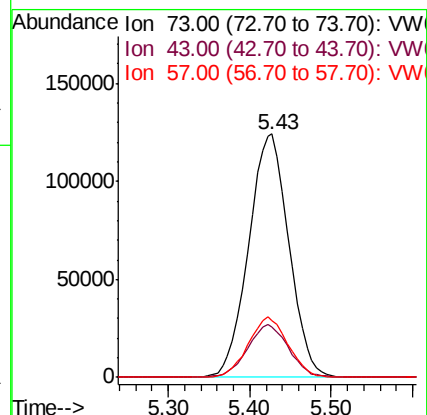
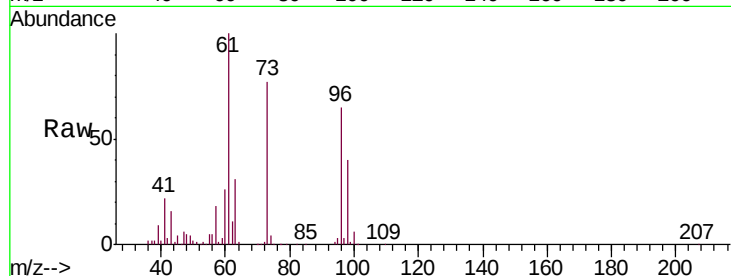




#17
Methyl tert-butyl Ether
Concen: 26.276 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

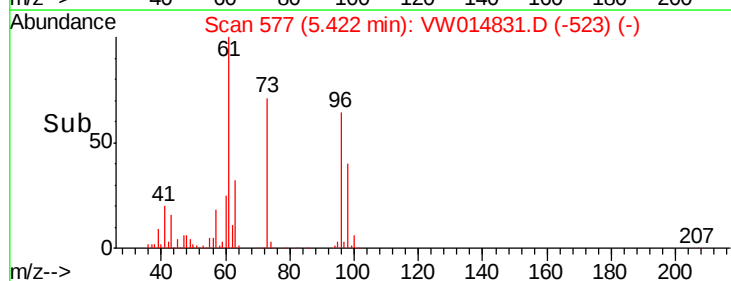
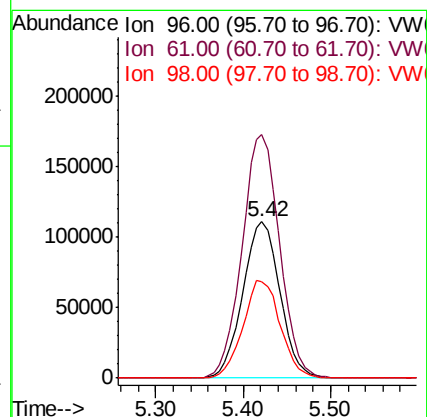
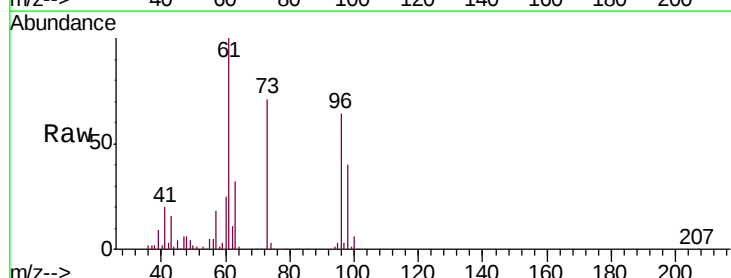
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

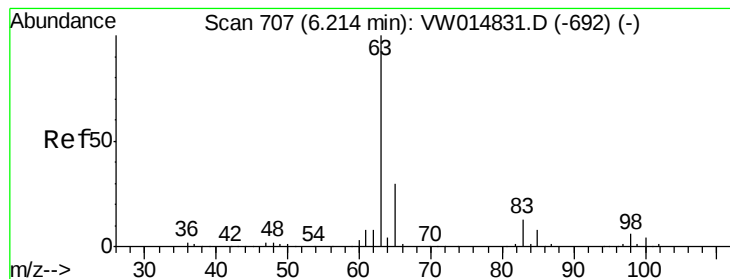
Tgt Ion: 73 Resp: 425957
Ion Ratio Lower Upper
73 100
43 21.9 17.6 26.4
57 24.4 19.8 29.6



#18
trans-1,2-Dichloroethene
Concen: 25.004 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion: 96 Resp: 327765
Ion Ratio Lower Upper
96 100
61 156.1 106.3 197.3
98 62.1 43.5 80.9





#19

1,1-Dichloroethane

Concen: 25.090 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

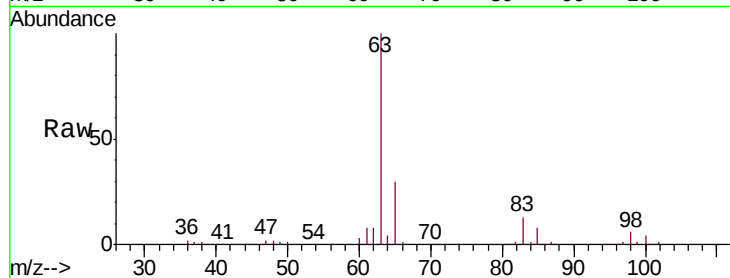
Tgt Ion: 63 Resp: 667829

Ion Ratio Lower Upper

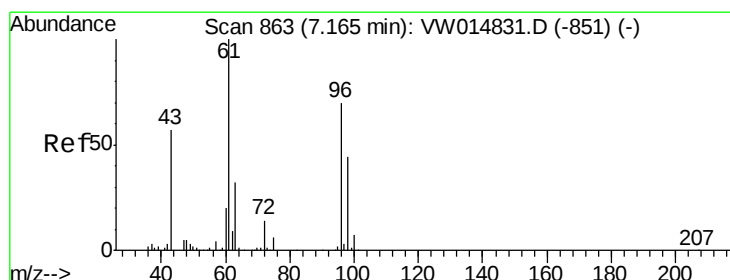
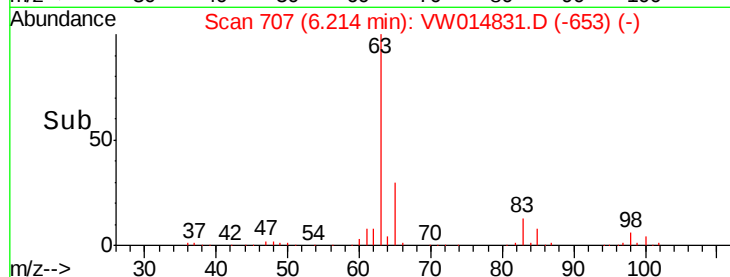
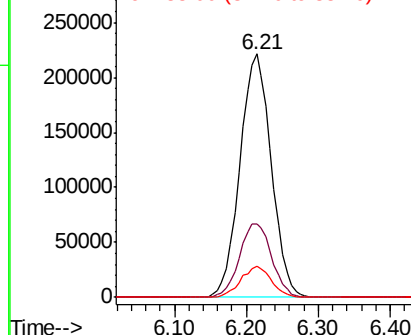
63 100

65 30.3 23.0 42.6

83 12.6 9.0 16.6



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: 49.509 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014831.D

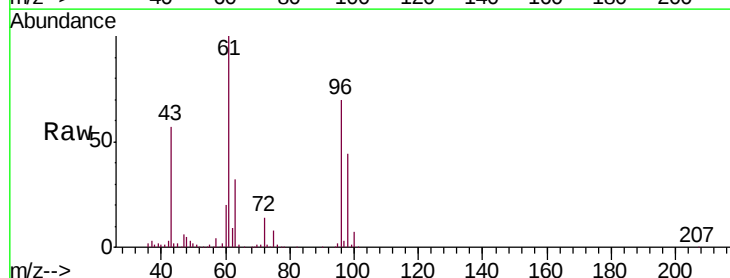
Acq: 03 Feb 2020 13:08

Tgt Ion: 43 Resp: 295846

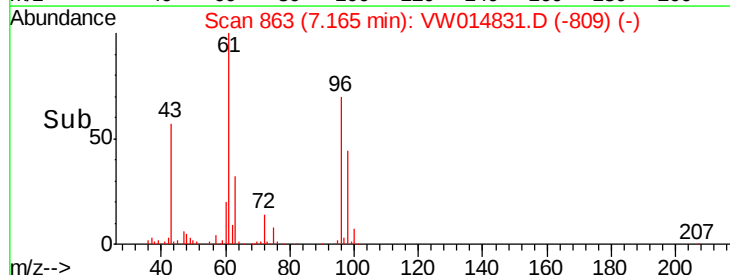
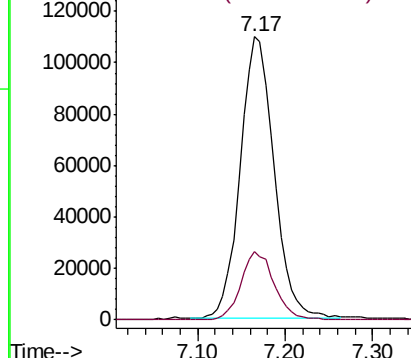
Ion Ratio Lower Upper

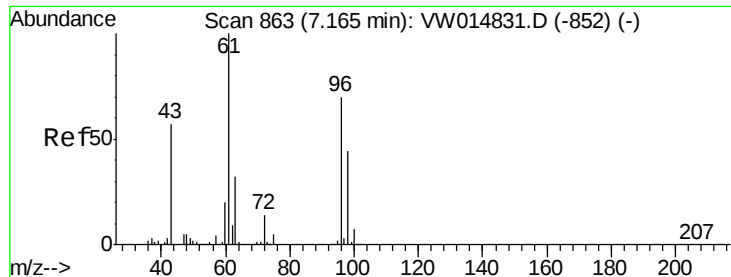
43 100

72 23.6 11.7 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



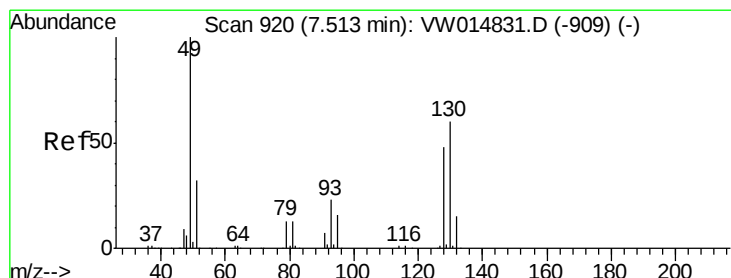
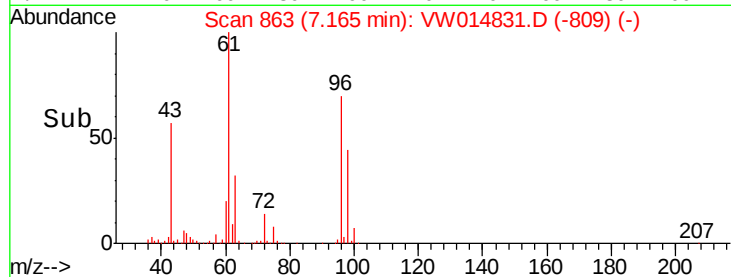
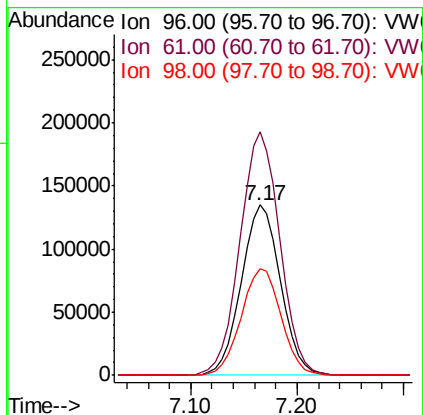
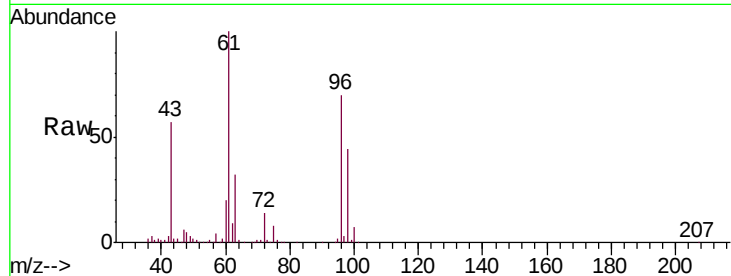


#22

cis-1,2-Dichloroethene
 Concen: 25.823 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

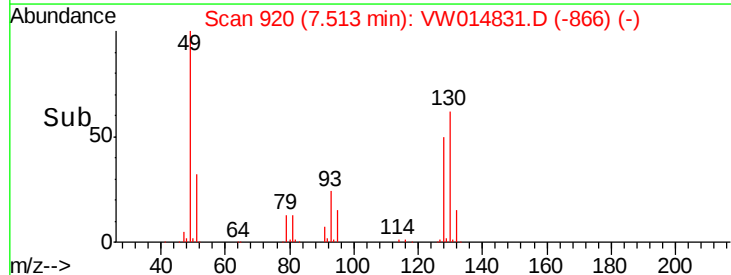
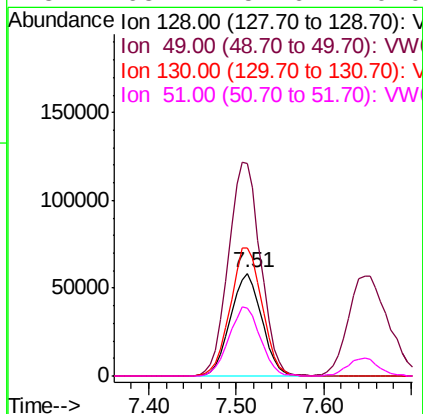
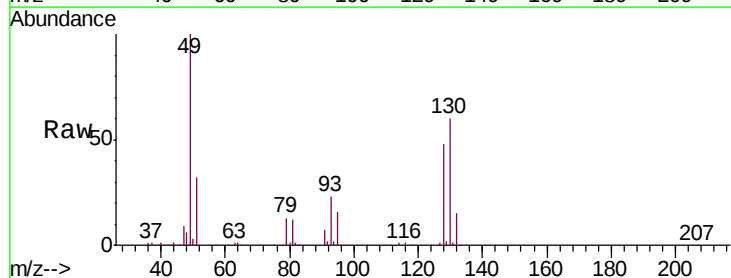
Tgt Ion: 96 Resp: 349880
 Ion Ratio Lower Upper
 96 100
 61 143.1 100.6 186.8
 98 63.1 44.0 81.8

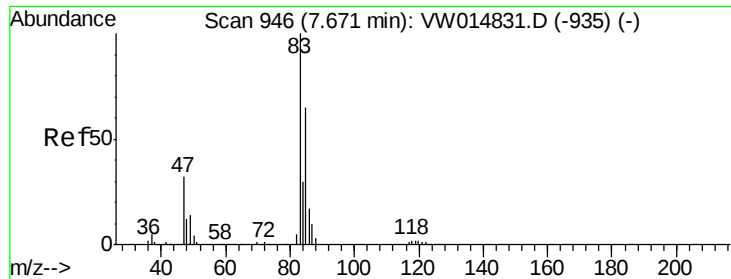


#23

Bromochloromethane
 Concen: 25.136 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Tgt Ion: 128 Resp: 145636
 Ion Ratio Lower Upper
 128 100
 49 206.4 150.7 279.9
 130 124.5 90.6 168.3
 51 65.4 52.6 79.0

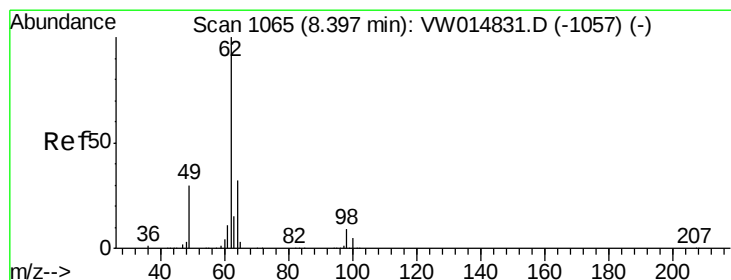
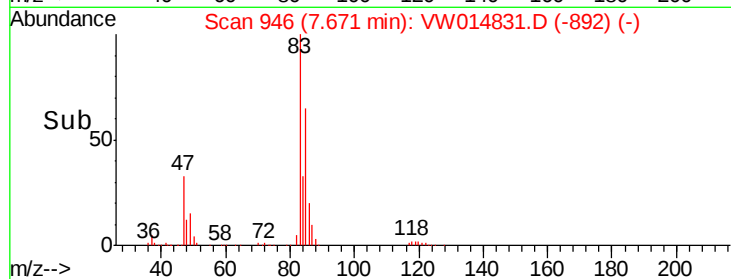
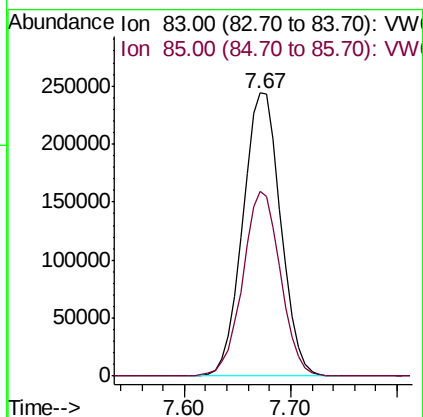
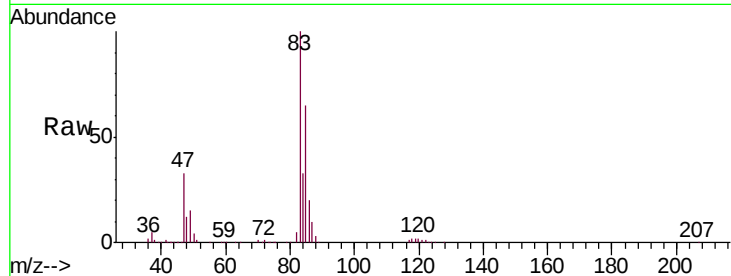




#25
Chloroform
Concen: 25.135 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

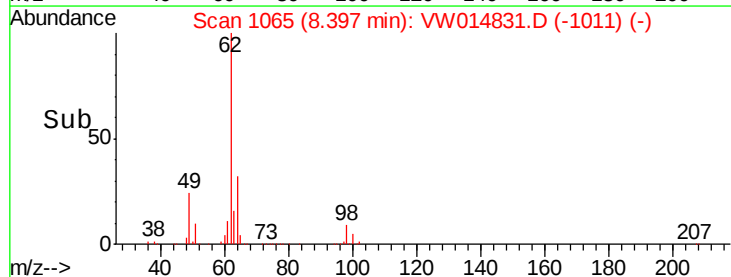
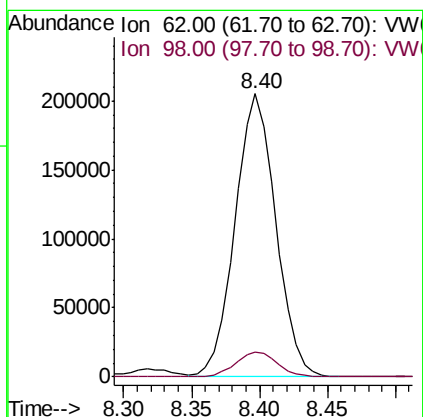
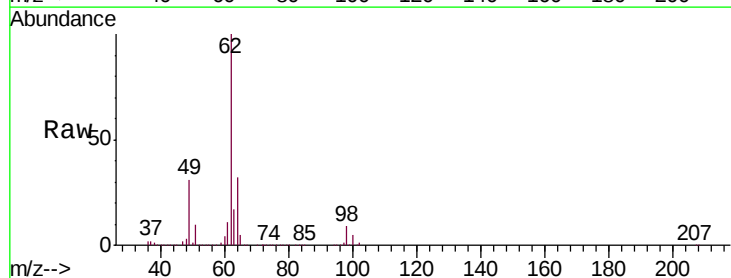
Instrument :
MSVOA_W
ClientSampled :
VSTD02509

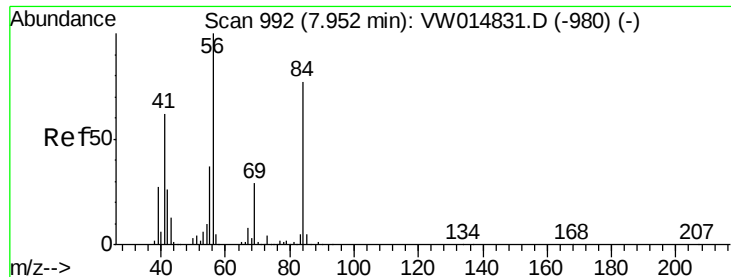
Tgt Ion: 83 Resp: 610798
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.163 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion: 62 Resp: 427210
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

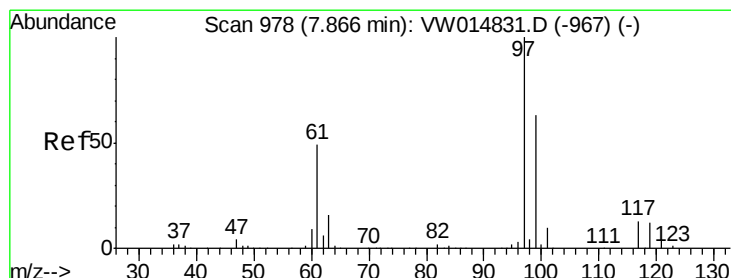
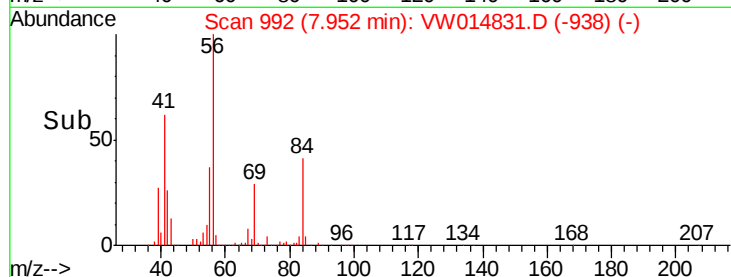
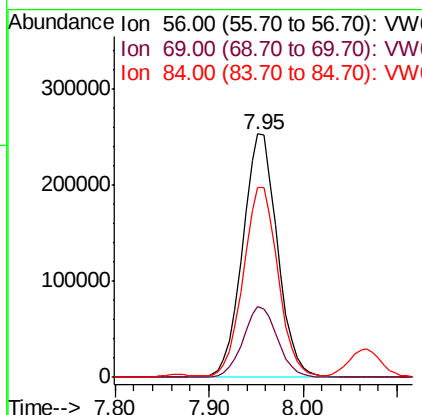
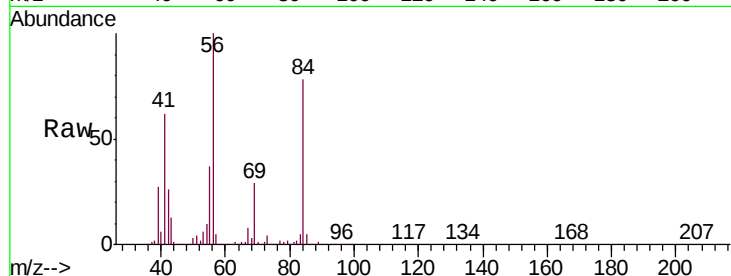




#30
Cyclohexane
Concen: 26.952 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

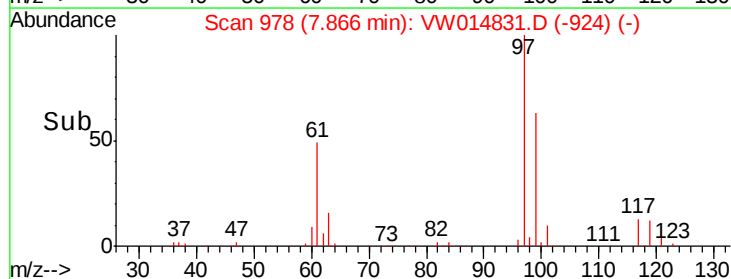
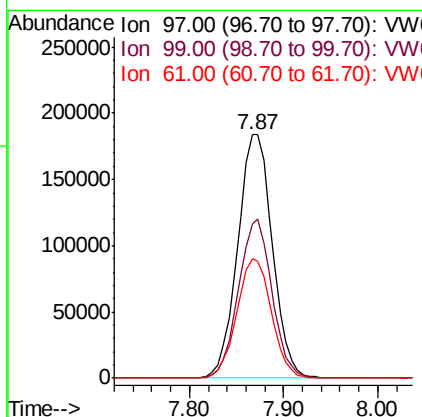
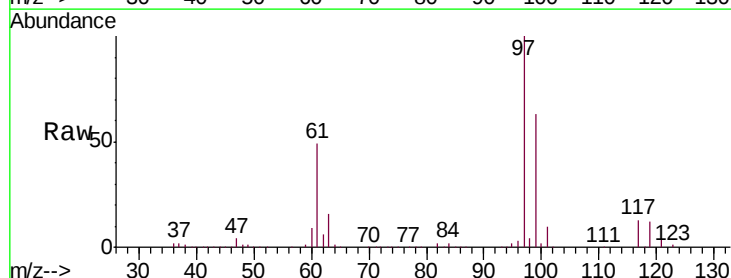
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

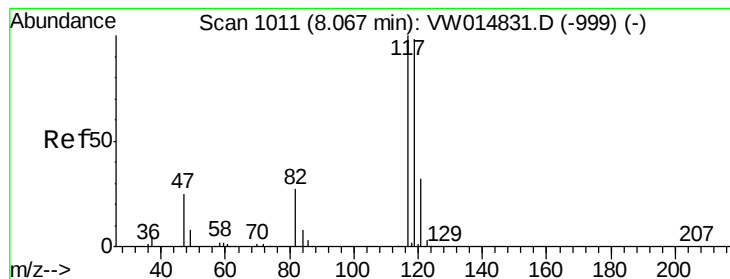
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.6	33.8
84	78.3	62.2	93.4



#31
1,1,1-Trichloroethane
Concen: 25.189 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.0
61	49.0	39.0	58.4





#32

Carbon tetrachloride

Concen: 24.906 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

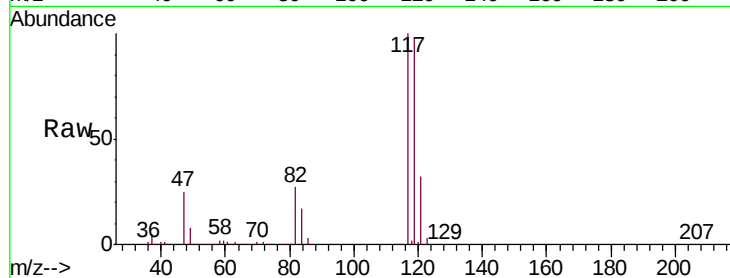
VSTD02509

Tgt Ion:117 Resp: 424903

Ion Ratio Lower Upper

117 100

119 95.8 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

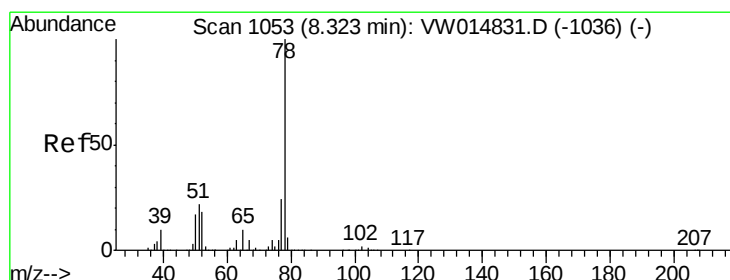
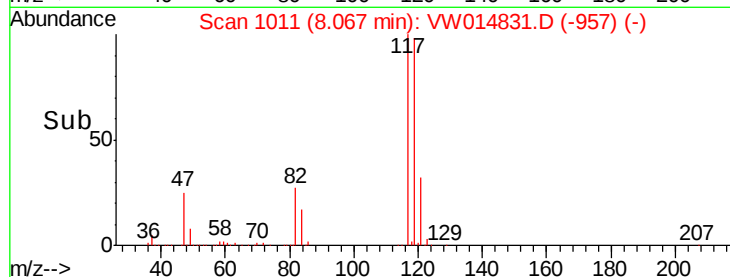
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.505 ug/L

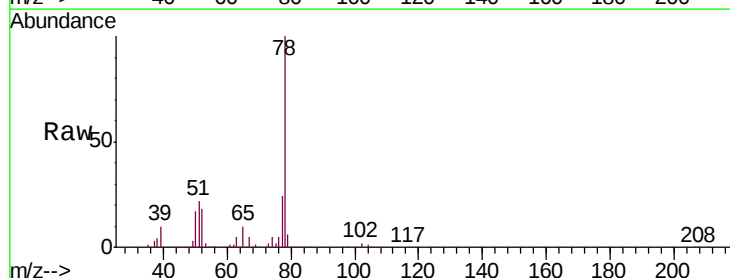
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Tgt Ion: 78 Resp: 1429310



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

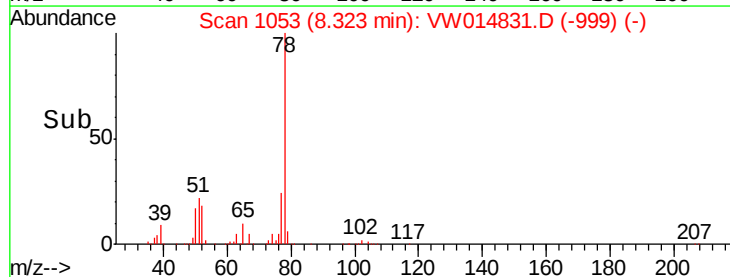
600000

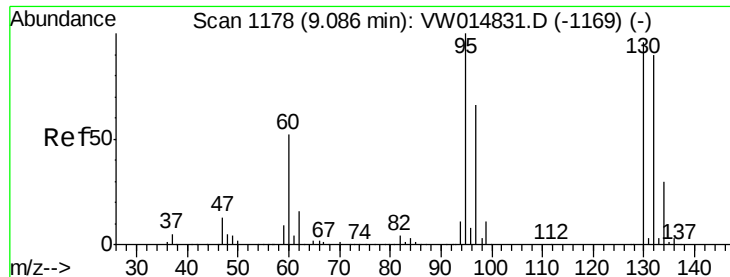
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 24.780 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

Tgt Ion: 95 Resp: 342946

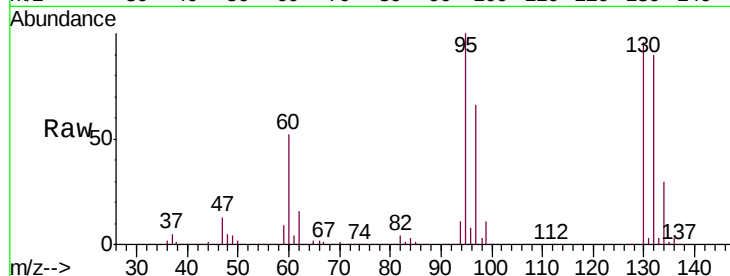
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.5

132 91.8 64.3 119.5

130 95.9 67.6 125.6



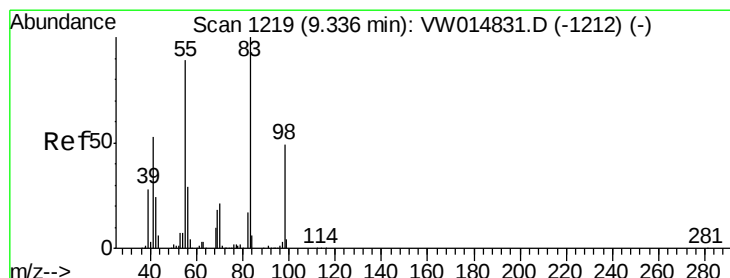
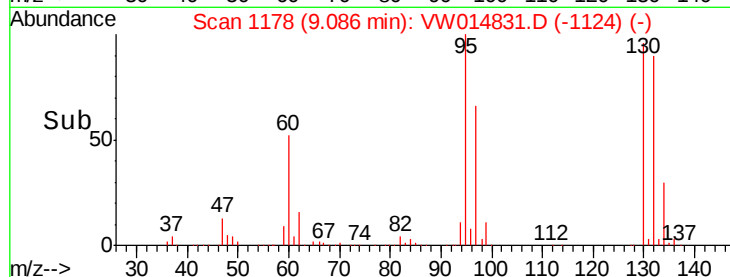
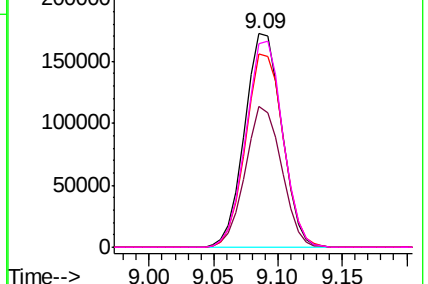
Abundance

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: 26.402 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

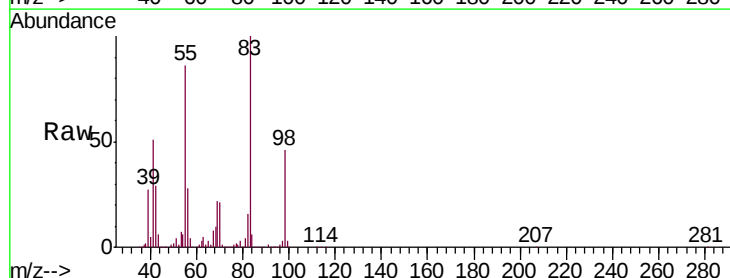
Tgt Ion: 83 Resp: 639959

Ion Ratio Lower Upper

83 100

55 87.2 71.0 106.6

98 46.6 37.7 56.5

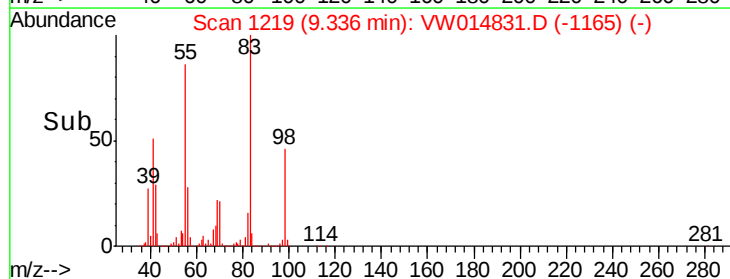
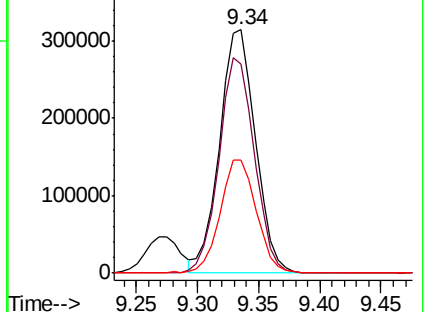


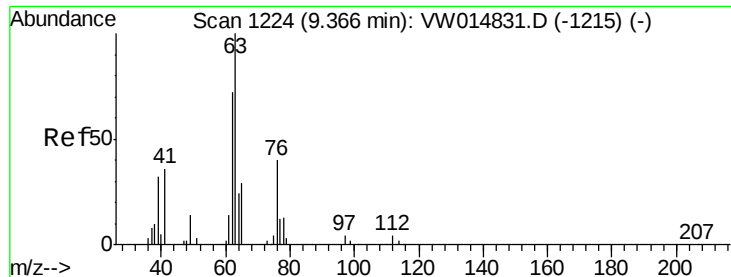
Abundance

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: 25.319 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

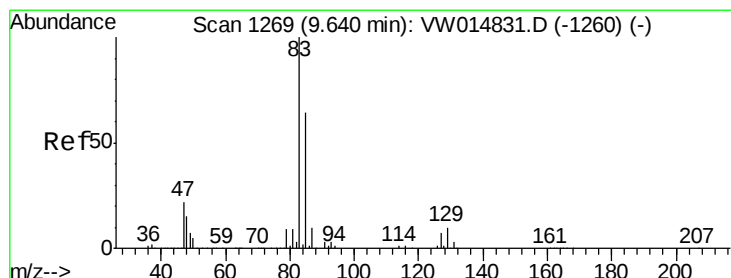
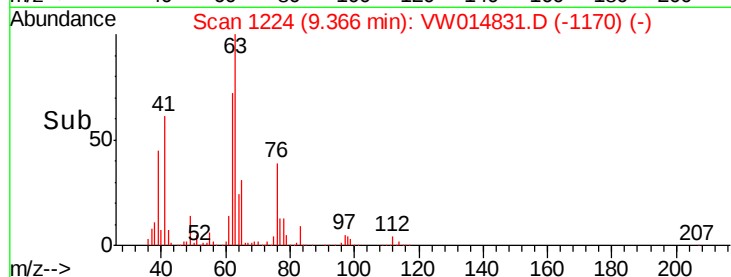
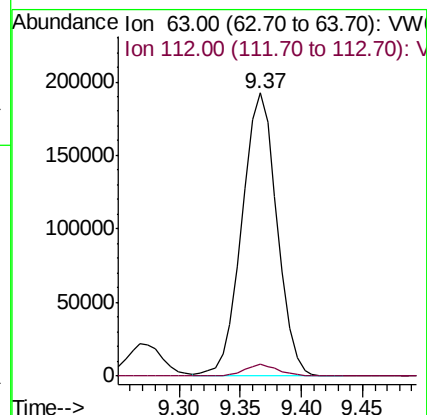
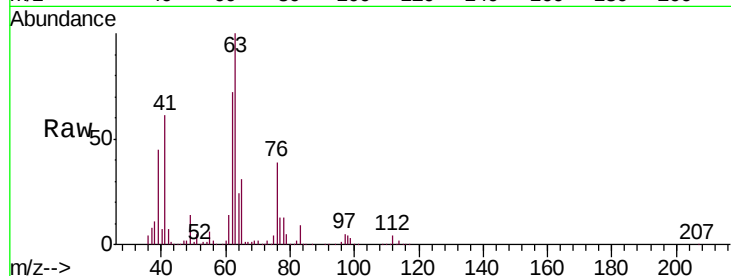
VSTD02509

Tgt Ion: 63 Resp: 382660

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#41

Bromodichloromethane

Concen: 25.396 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

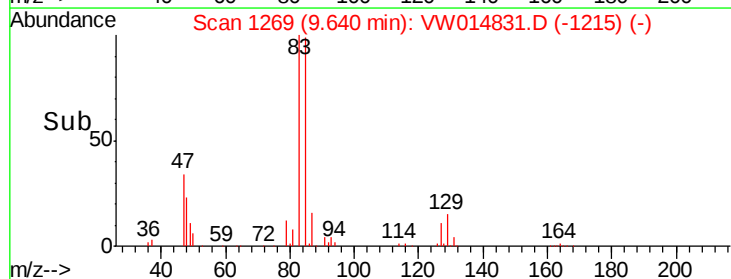
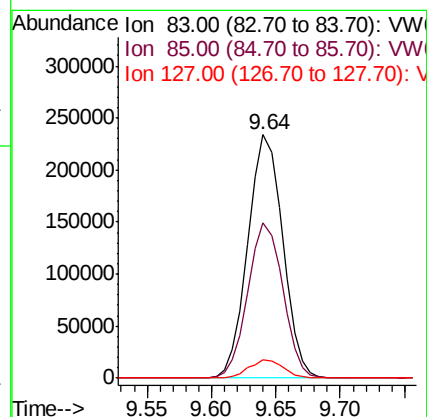
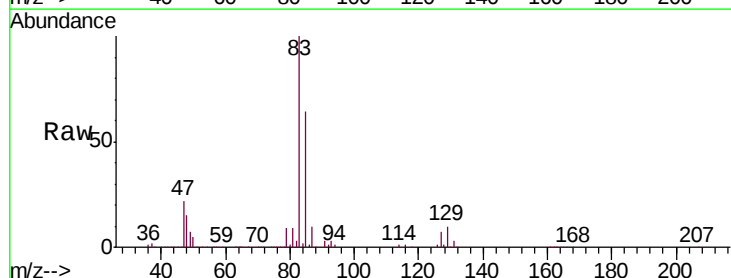
Tgt Ion: 83 Resp: 439821

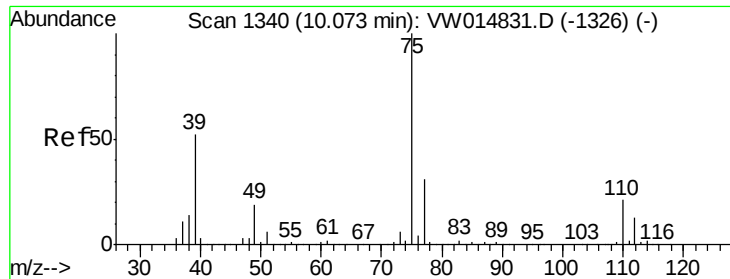
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 7.3 6.0 9.0

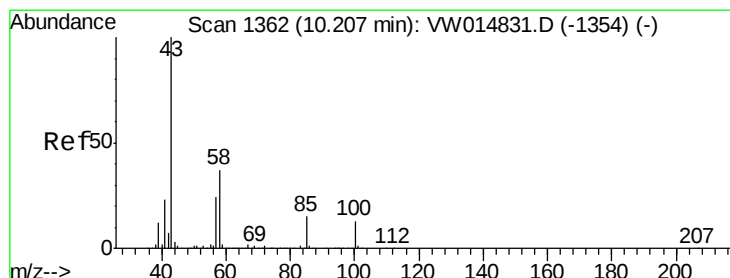
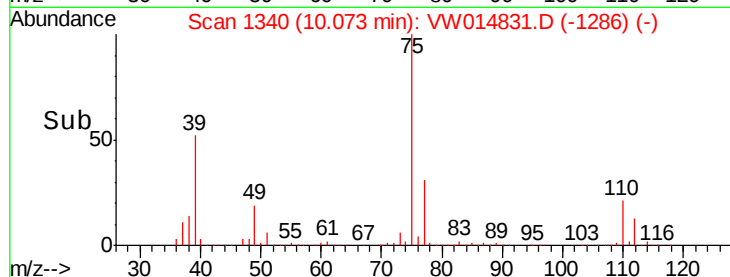
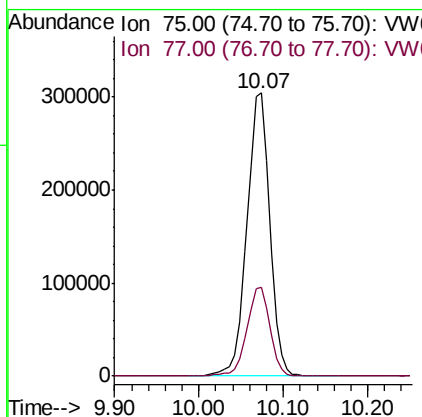
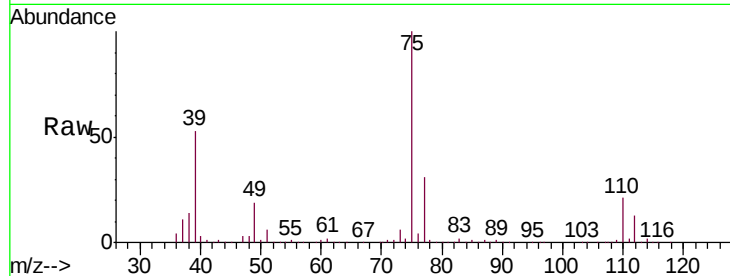




#42
 cis-1,3-Dichloropropene
 Concen: 26.677 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

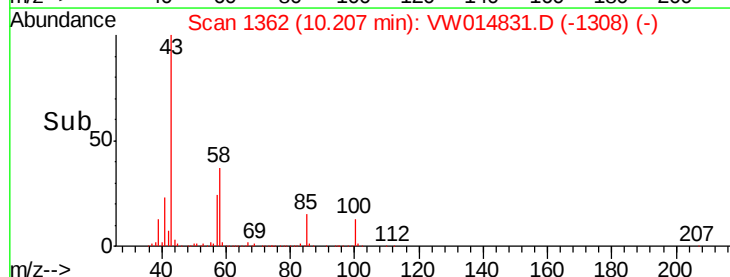
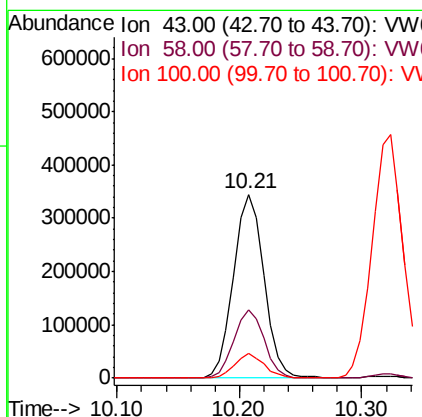
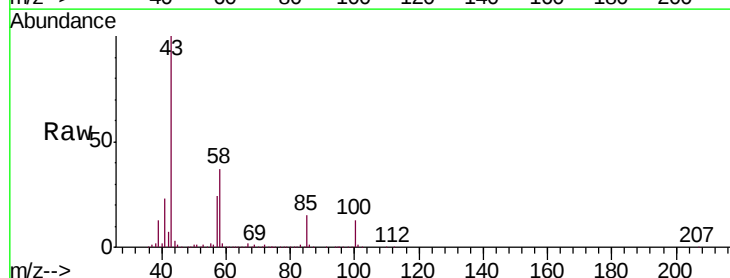
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

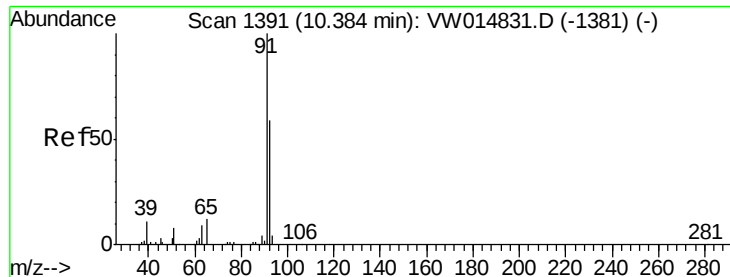
Tgt Ion: 75 Resp: 561220
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 53.772 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Tgt Ion: 43 Resp: 596738
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.3 43.9
 100 12.9 10.2 15.4





#44

Toluene

Concen: 26.140 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

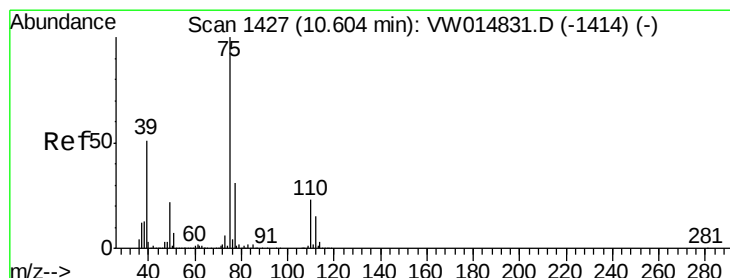
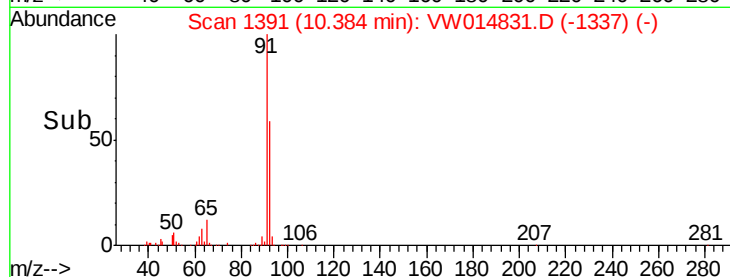
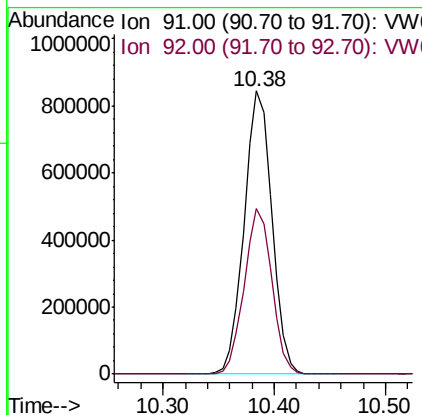
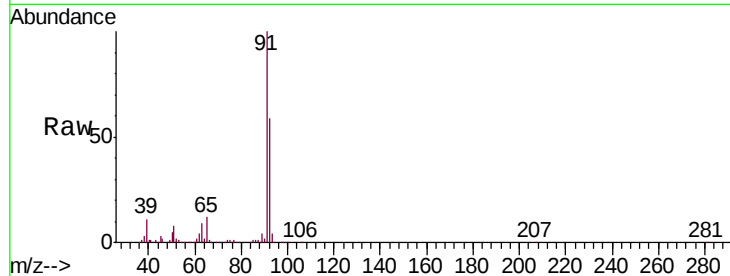
VSTD02509

Tgt Ion: 91 Resp: 1465581

Ion Ratio Lower Upper

91 100

92 58.7 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 26.735 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014831.D

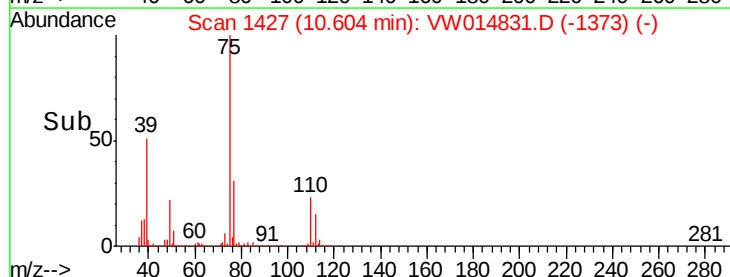
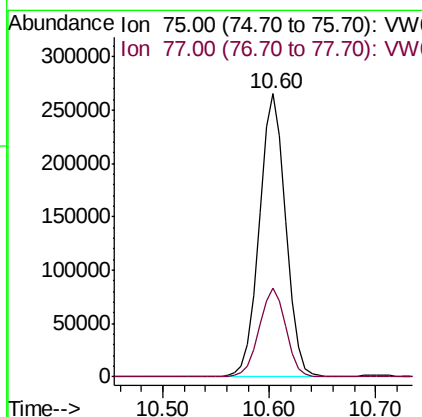
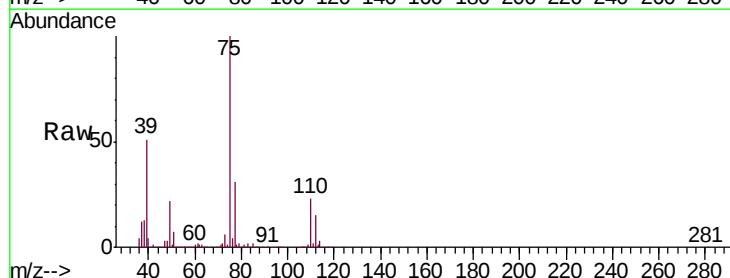
Acq: 03 Feb 2020 13:08

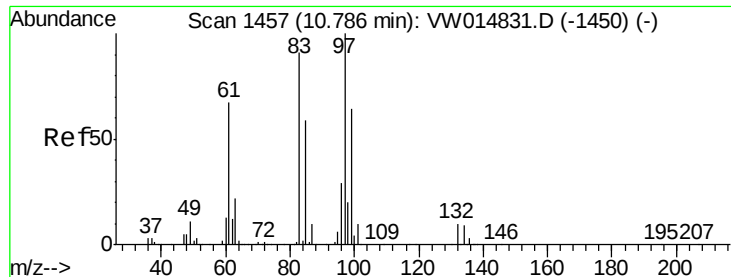
Tgt Ion: 75 Resp: 462834

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1

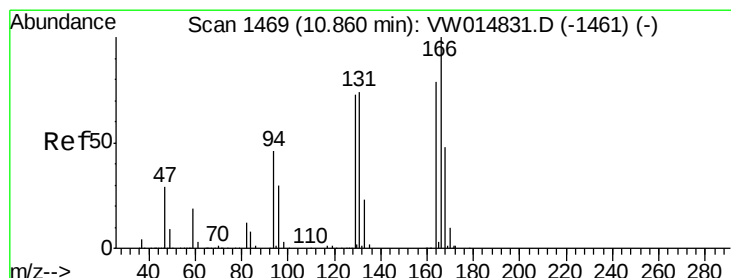
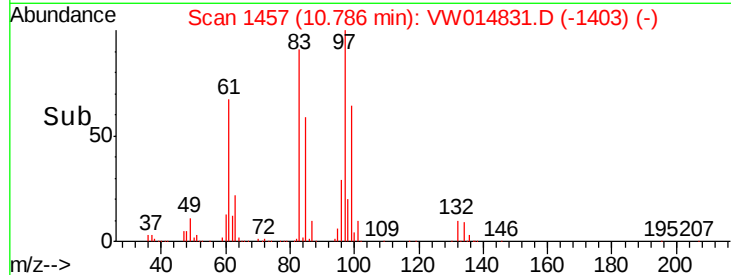
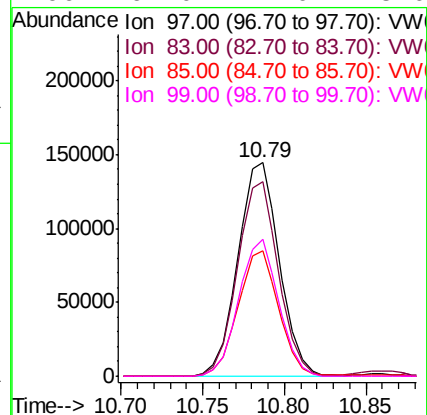
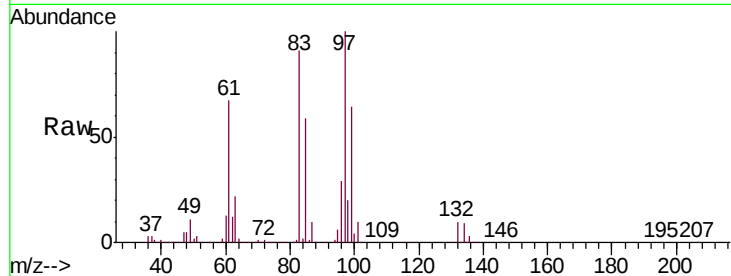




#46
1,1,2-Trichloroethane
Concen: 25.499 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

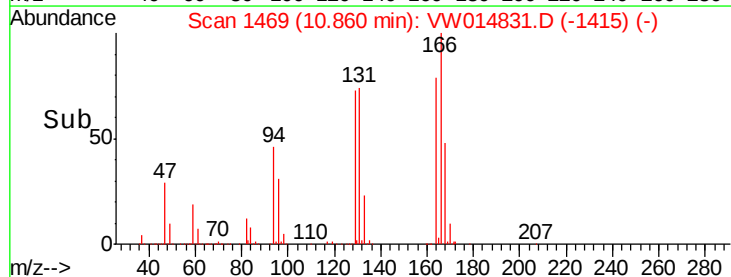
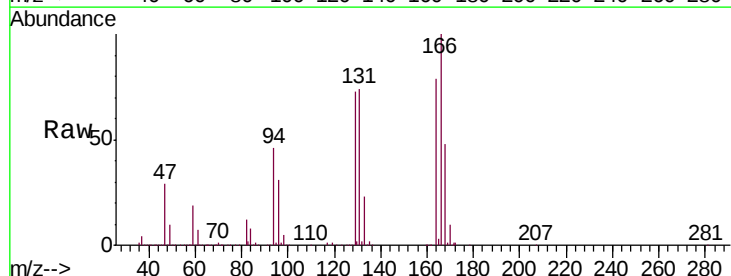
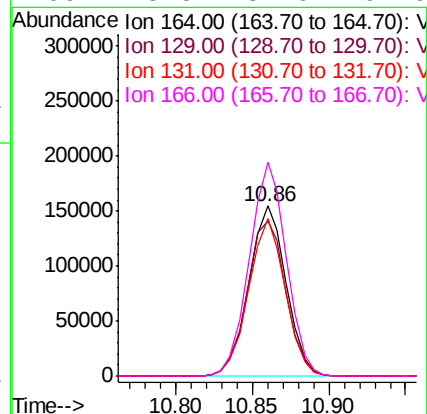
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

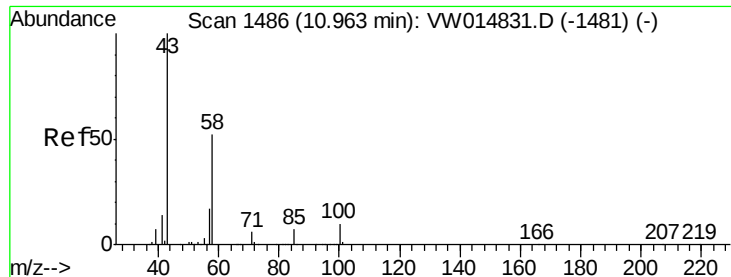
Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	61.9	115.1
85	59.0	38.5	71.5
99	64.0	42.0	78.0



#47
Tetrachloroethene
Concen: 25.264 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.3	67.1	124.5
131	92.7	62.2	115.6
166	125.8	87.6	162.6

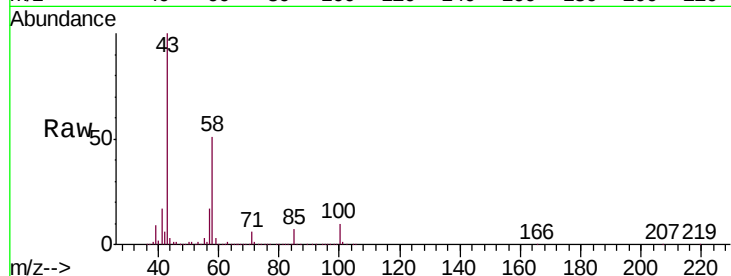




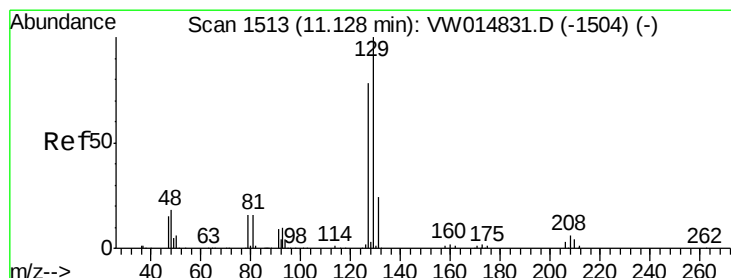
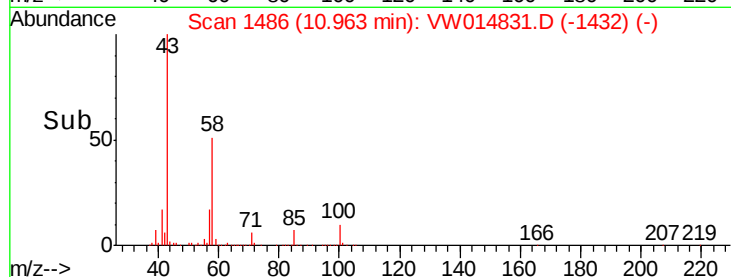
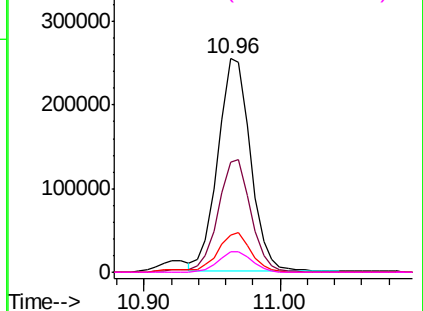
#49
2-Hexanone
Concen: 55.446 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

Tgt Ion:	43	Resp:	424564
Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.1	61.7
57	18.0	14.1	21.1
100	10.0	8.1	12.1

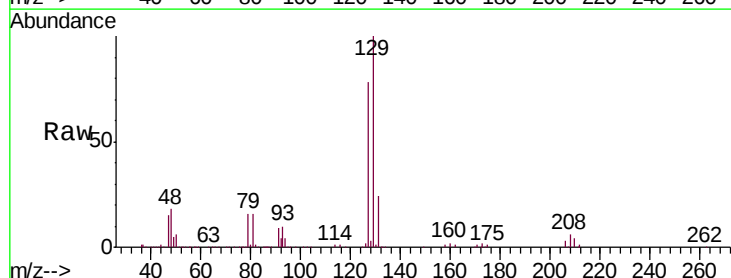


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

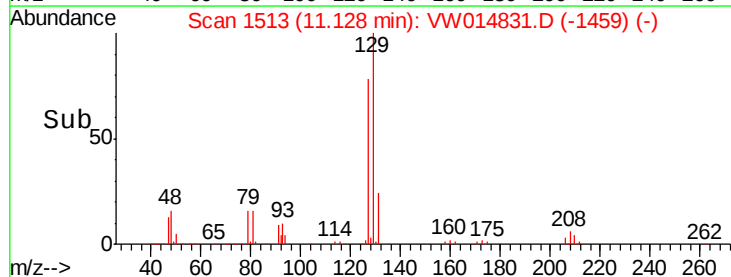
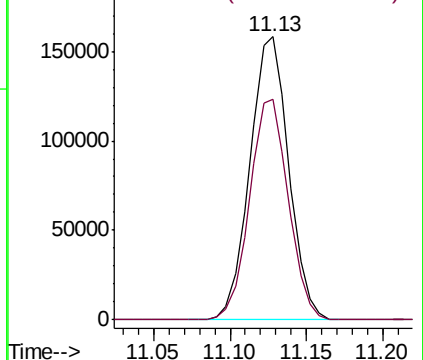


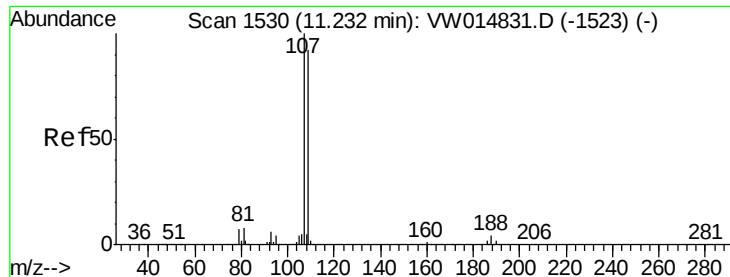
#50
Dibromochloromethane
Concen: 26.000 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion:	129	Resp:	279556
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.2	100.6



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

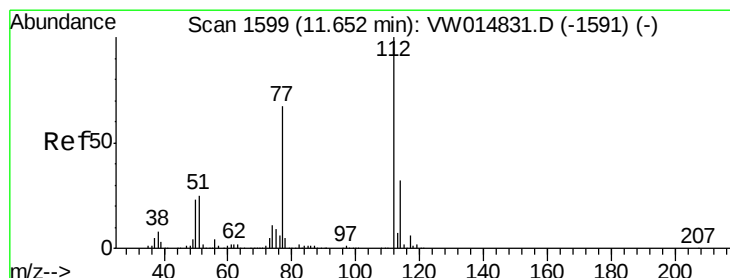
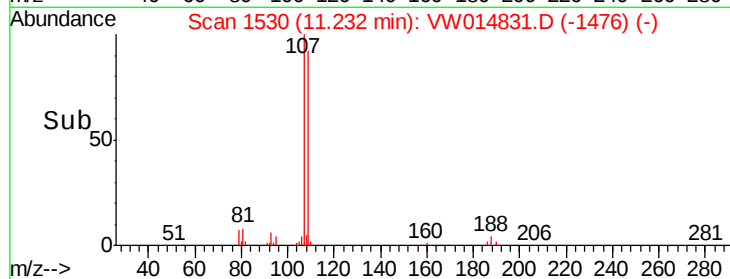
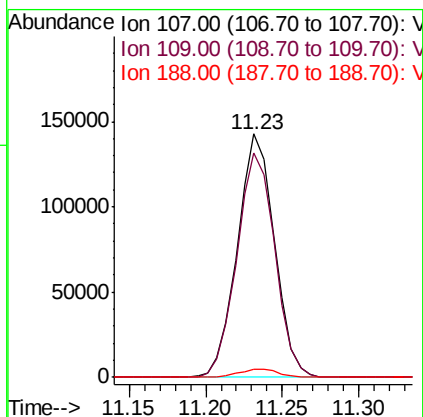
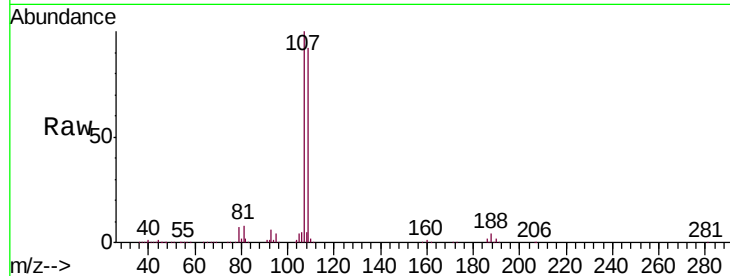




#51
1,2-Dibromoethane
Concen: 25.557 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

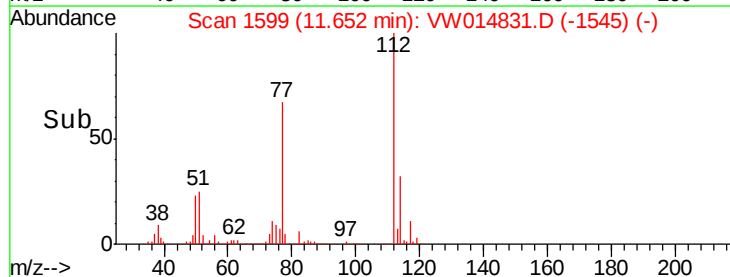
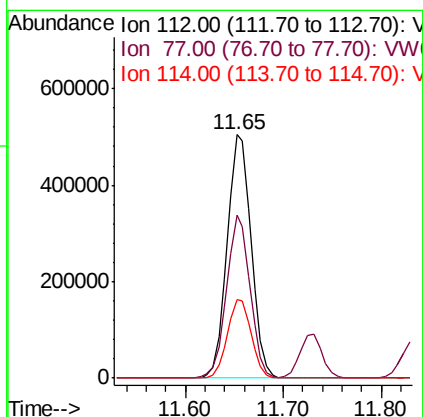
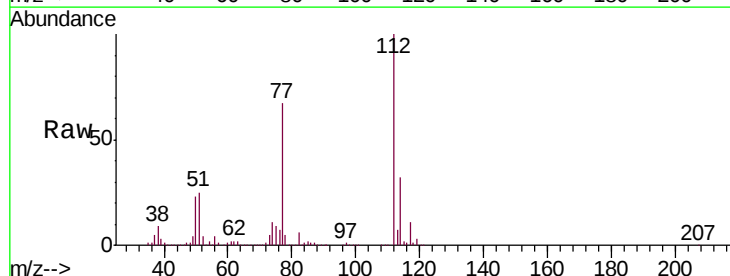
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

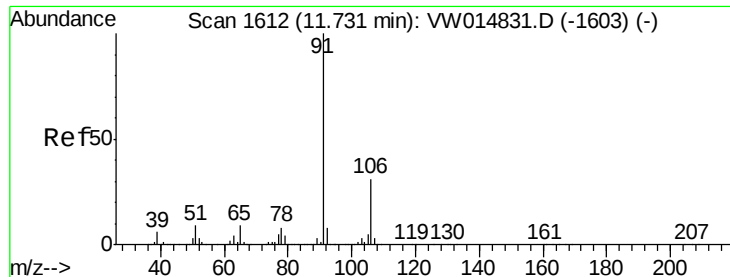
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	66.6	123.8
188	3.5	2.5	3.7



#52
Chlorobenzene
Concen: 25.046 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
77	67.1	49.8	74.8
114	32.4	22.1	41.1

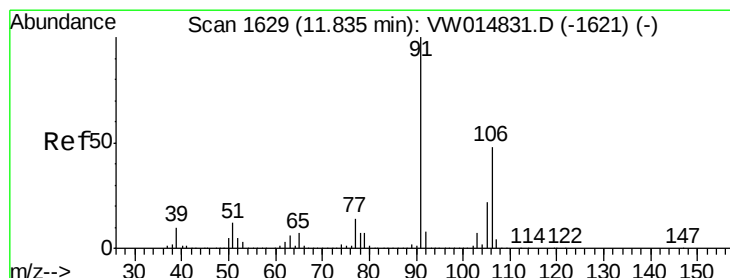
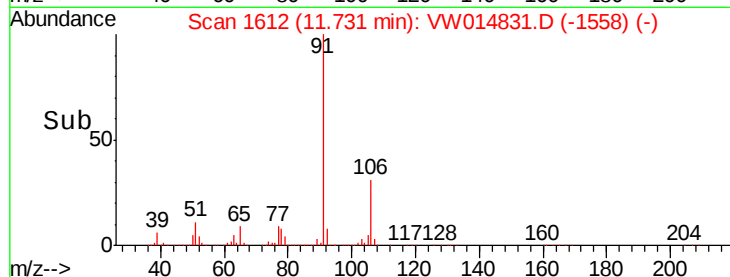
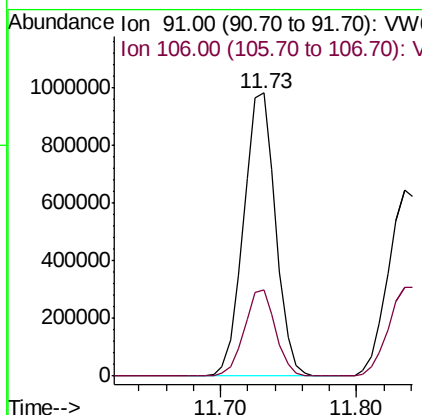
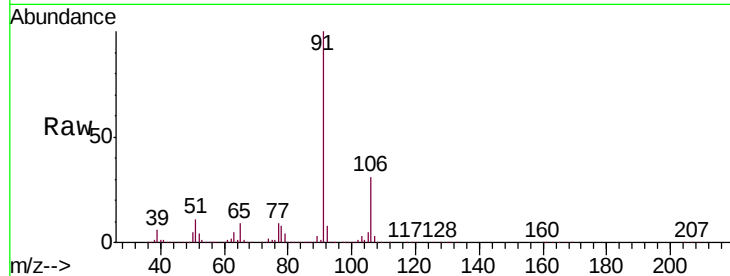




#53
Ethylbenzene
Concen: 26.526 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

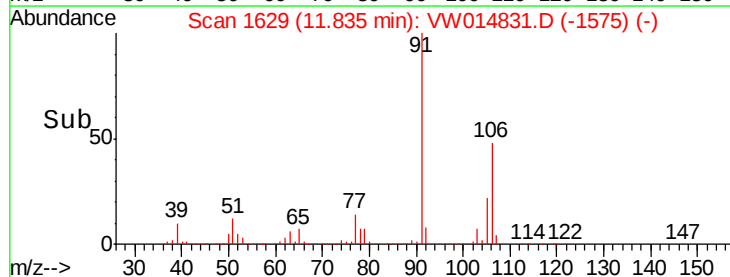
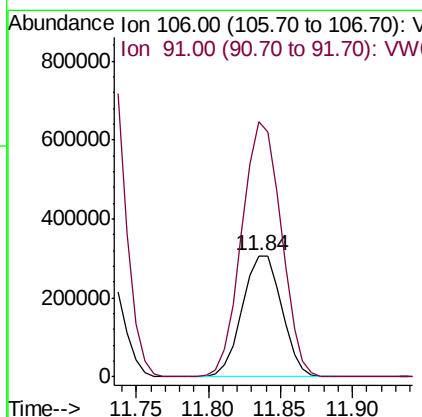
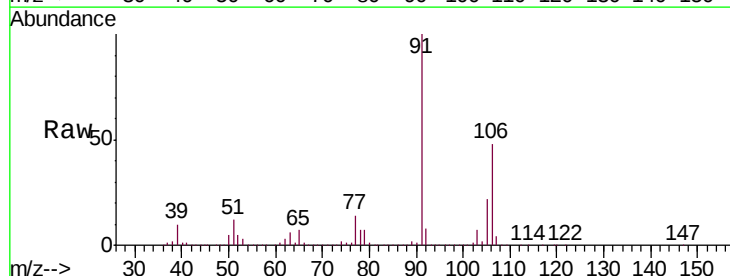
Instrument :
MSVOA_W
ClientSampleId :
VSTD02509

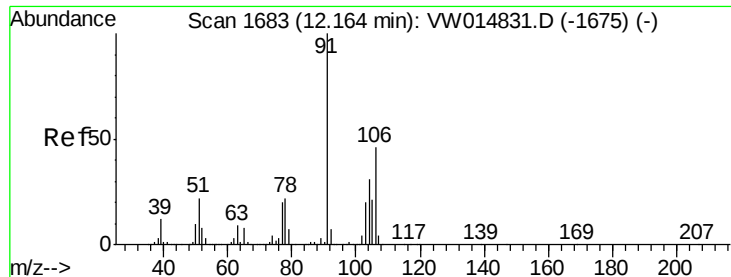
Tgt Ion: 91 Resp: 1611407
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.5



#54
m,p-Xylene
Concen: 26.321 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014831.D
Acq: 03 Feb 2020 13:08

Tgt Ion: 106 Resp: 585143
Ion Ratio Lower Upper
106 100
91 210.5 145.3 269.9





#55

o-xylene

Concen: 27.240 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampled :

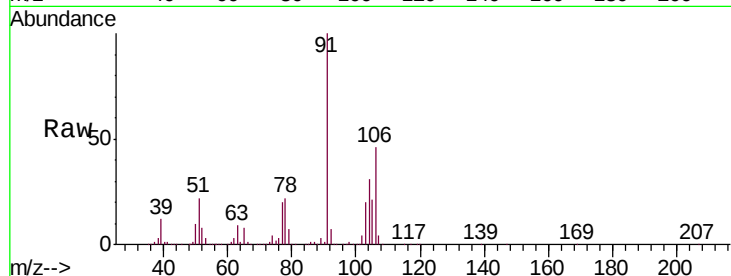
VSTD02509

Tgt Ion:106 Resp: 564158

Ion Ratio Lower Upper

106 100

91 217.4 154.6 287.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

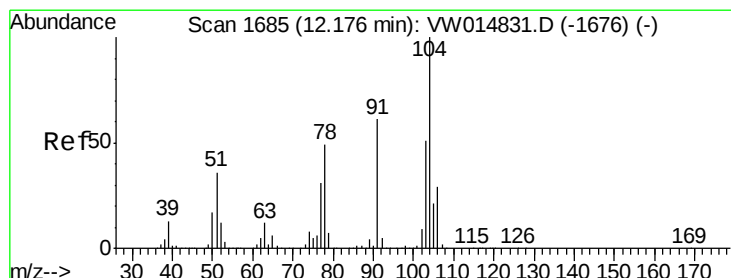
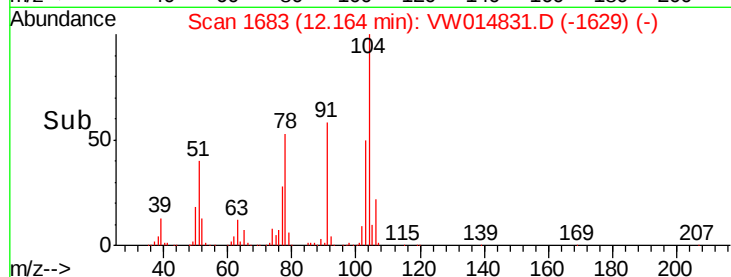
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 27.225 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014831.D

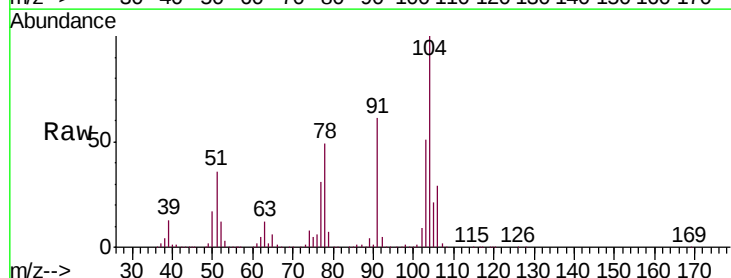
Acq: 03 Feb 2020 13:08

Tgt Ion:104 Resp: 960128

Ion Ratio Lower Upper

104 100

78 49.1 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

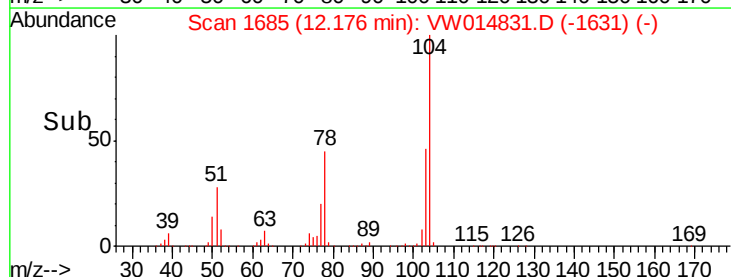
400000

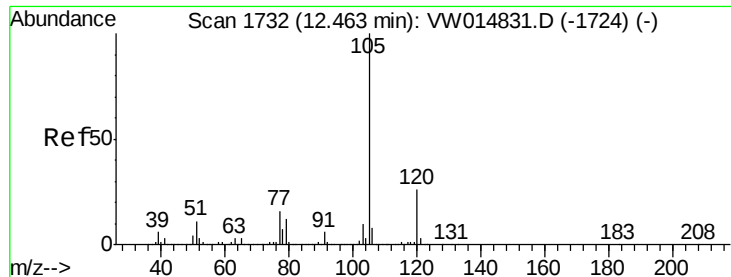
200000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 27.199 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

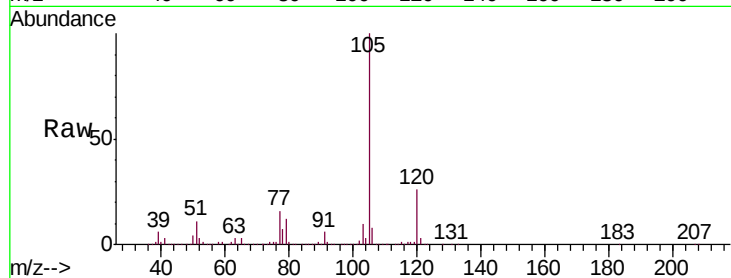
Tgt Ion:105 Resp: 1523289

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

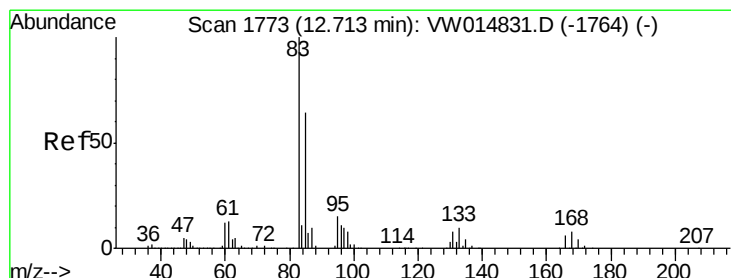
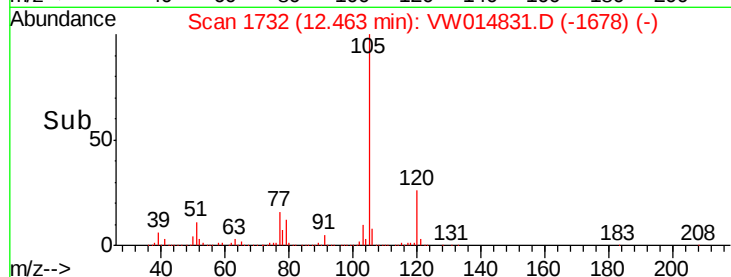
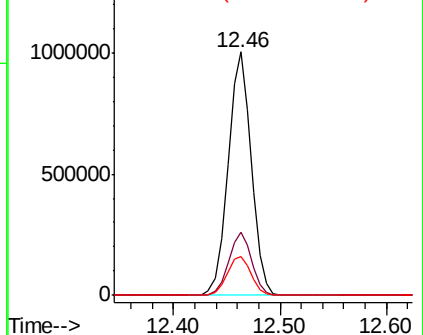
77 16.4 13.3 19.9



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: 26.088 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

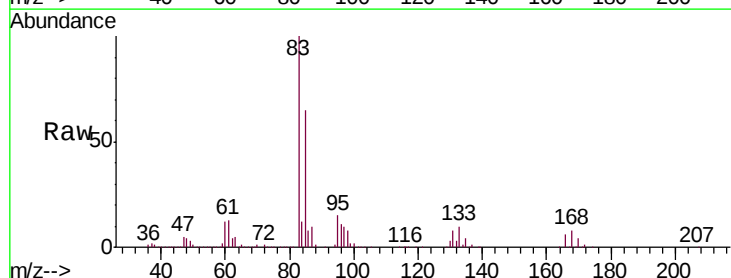
Tgt Ion: 83 Resp: 342496

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

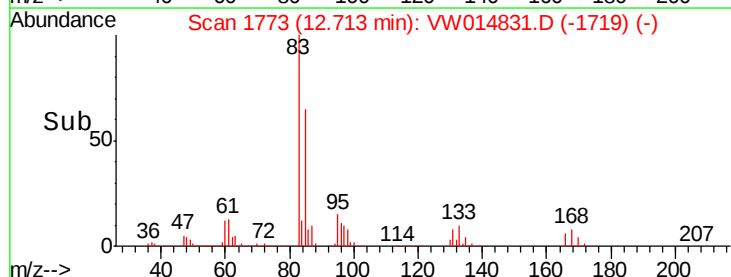
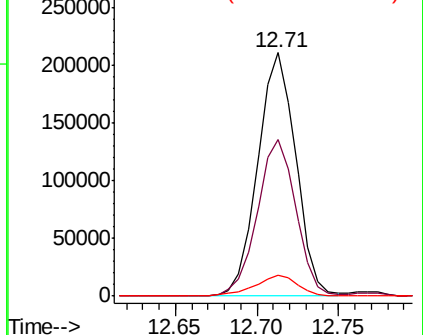
131 8.5 6.9 10.3

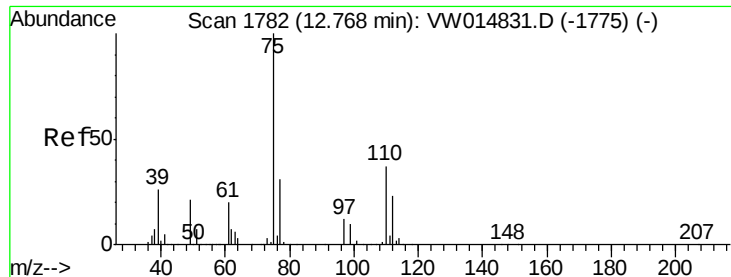


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.065 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

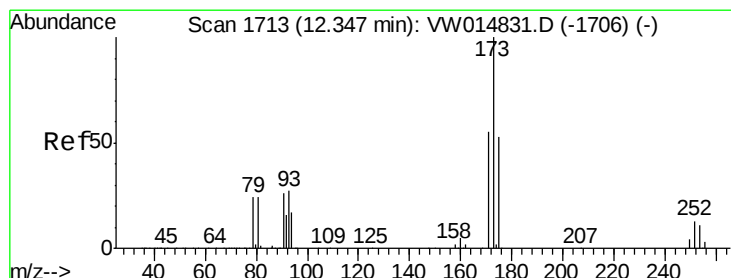
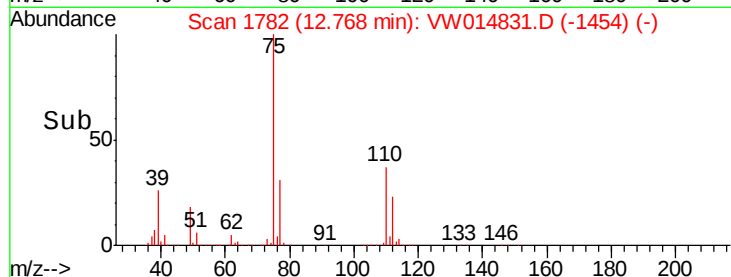
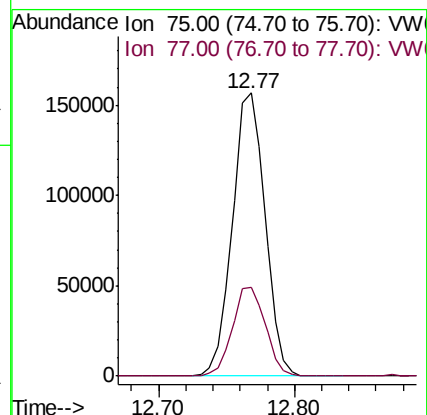
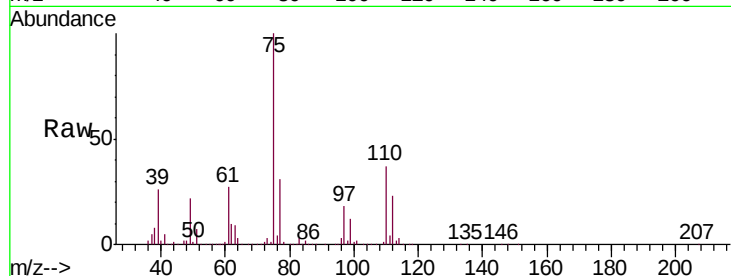
VSTD02509

Tgt Ion: 75 Resp: 261976

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



#62

Bromoform

Concen: 25.073 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

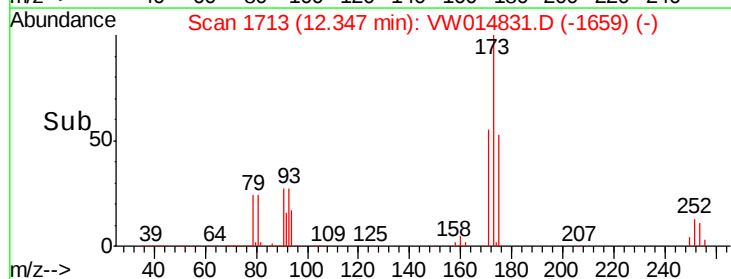
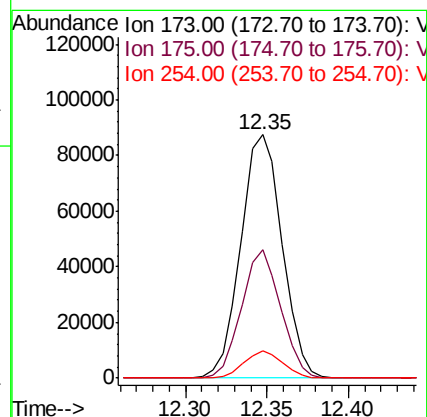
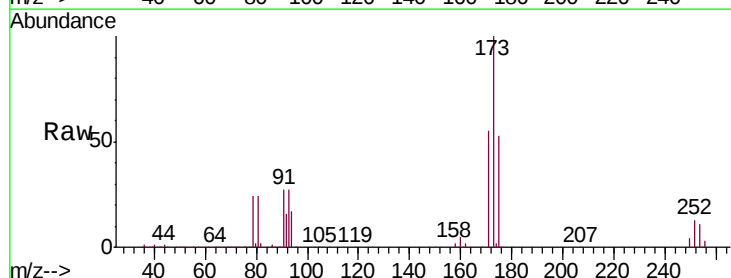
Tgt Ion: 173 Resp: 154388

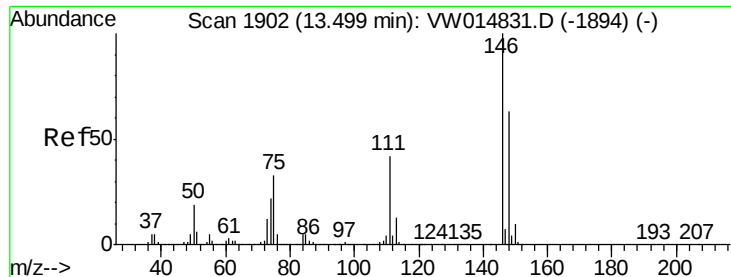
Ion Ratio Lower Upper

173 100

175 50.0 38.2 57.4

254 10.5 8.6 13.0

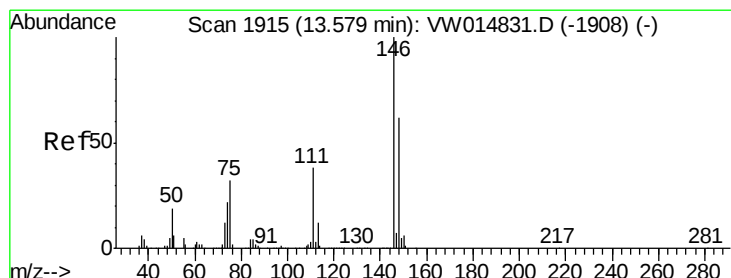
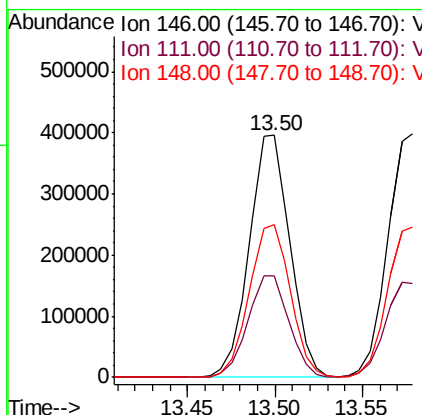
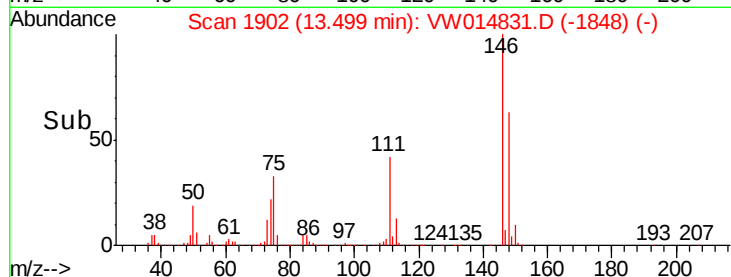
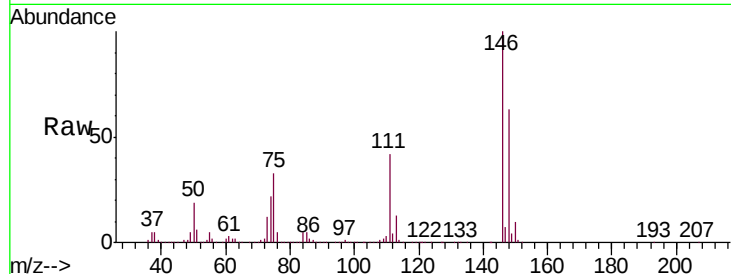




#63
 1,3-Dichlorobenzene
 Concen: 25.611 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

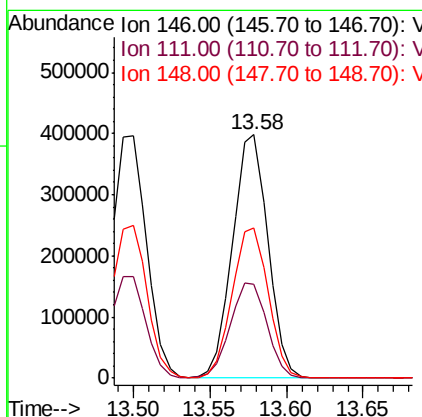
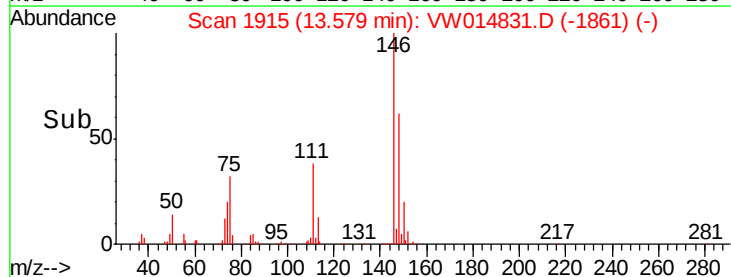
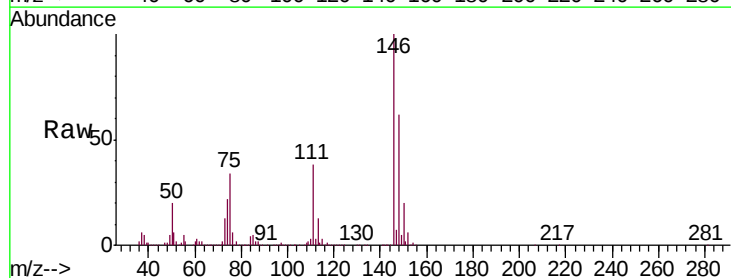
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

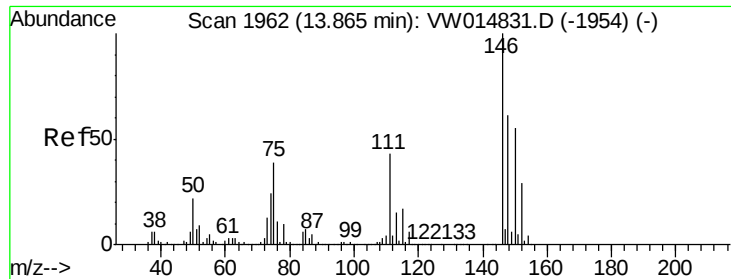
Tgt Ion:146 Resp: 639889
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.8 53.4
 148 63.2 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.360 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Tgt Ion:146 Resp: 638673
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.4
 148 61.7 44.2 82.0

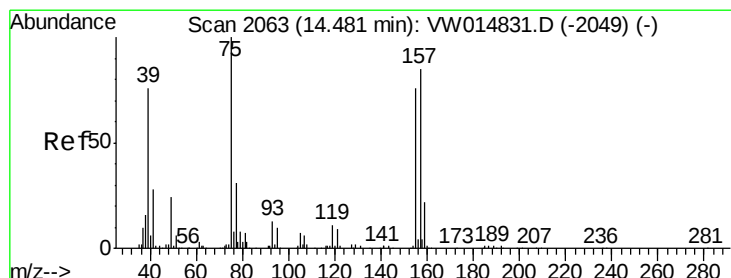
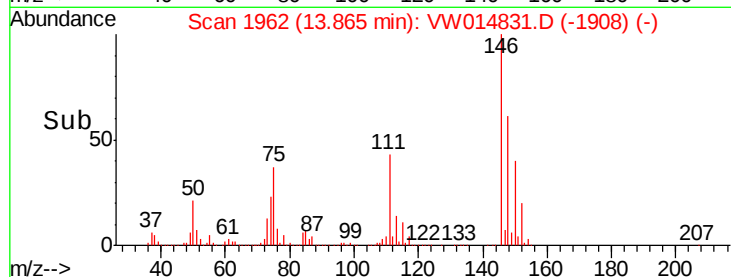
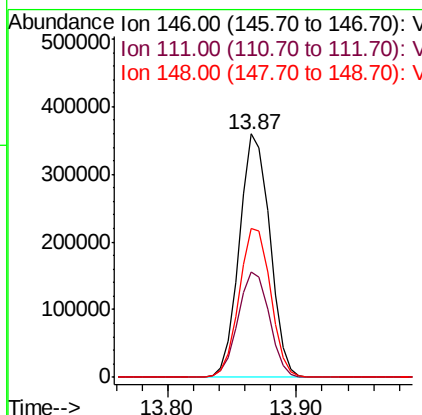
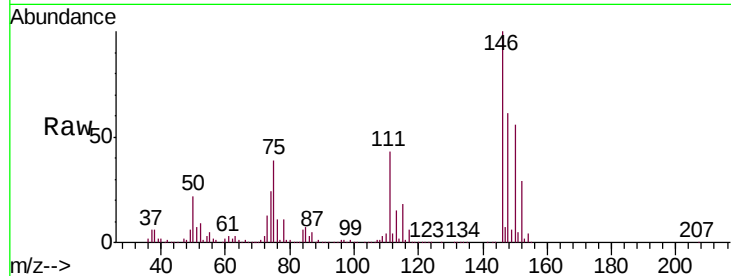




#65
 1,2-Dichlorobenzene
 Concen: 25.939 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

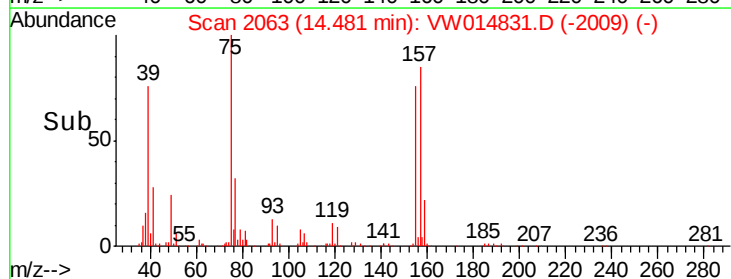
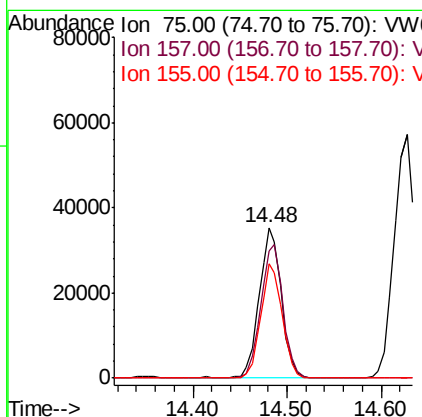
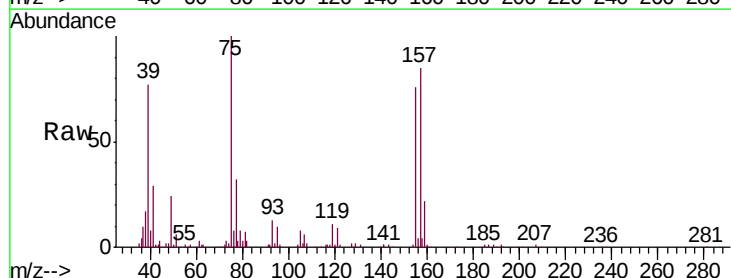
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

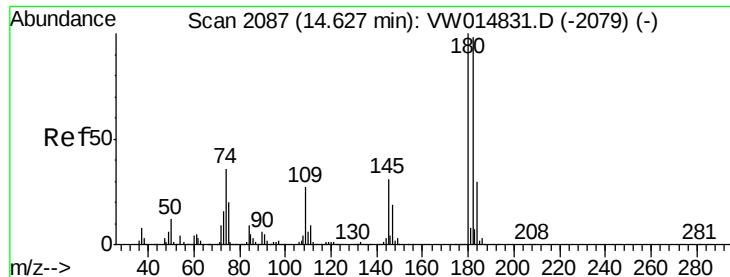
Tgt Ion: 146 Resp: 590047
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.3 51.5
 148 61.4 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.337 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Tgt Ion: 75 Resp: 58475
 Ion Ratio Lower Upper
 75 100
 157 84.8 68.2 102.2
 155 75.7 56.0 84.0

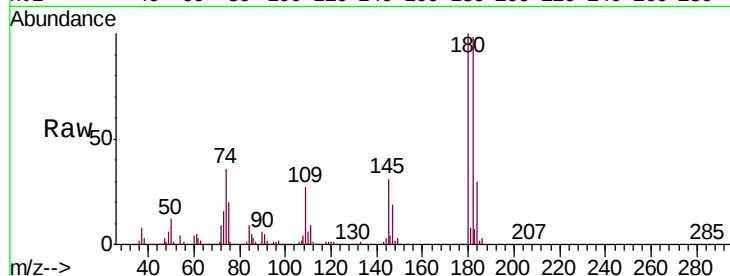




#67
 1,3,5-Trichlorobenzene
 Concen: 26.220 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Tgt Ion:	180	Resp:	464190
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.2	24.2	36.2
145	30.1	23.9	35.9



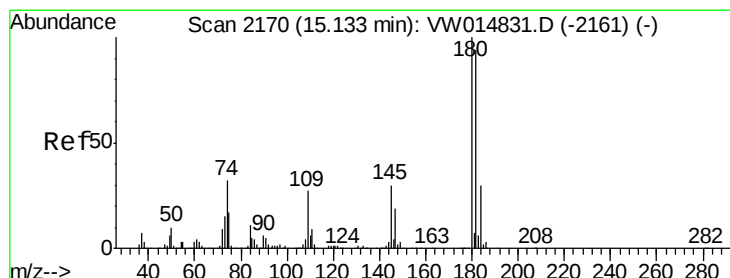
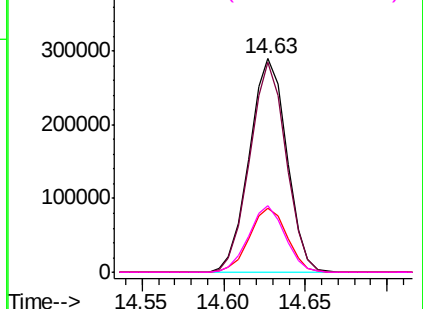
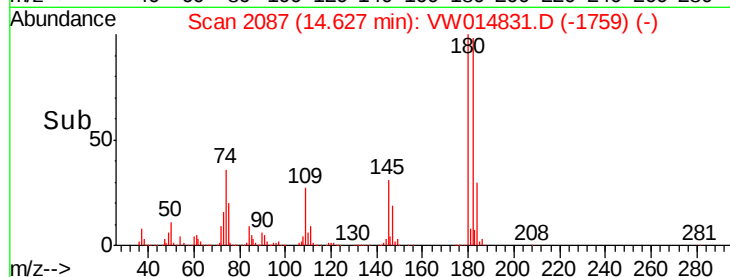
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

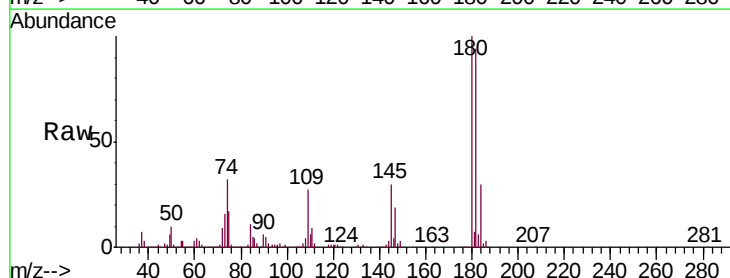
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.111 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014831.D
 Acq: 03 Feb 2020 13:08

Tgt Ion:	180	Resp:	374983
Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.7	112.1
145	30.6	24.1	36.1

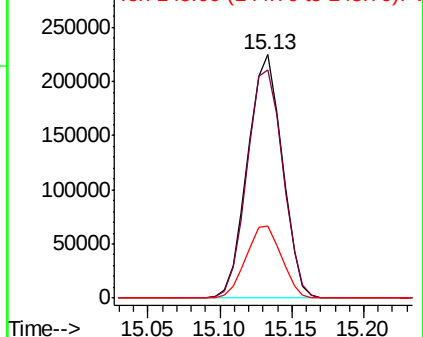
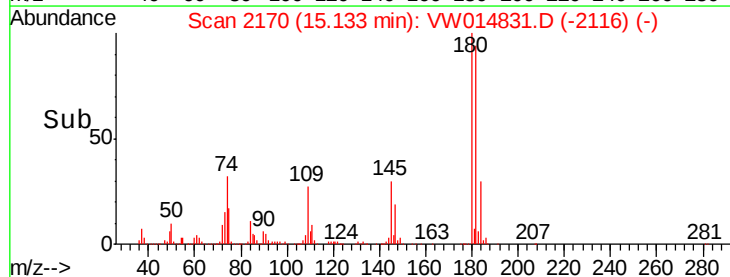


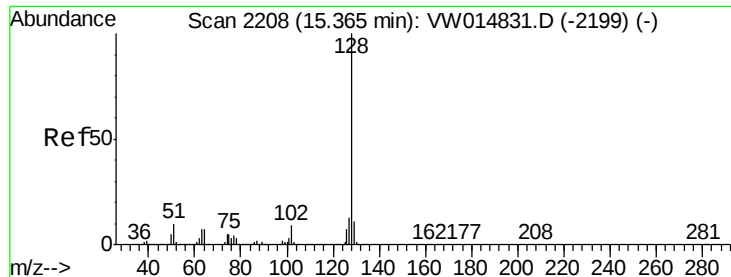
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.199 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

Instrument :

MSVOA_W

ClientSampleId :

VSTD02509

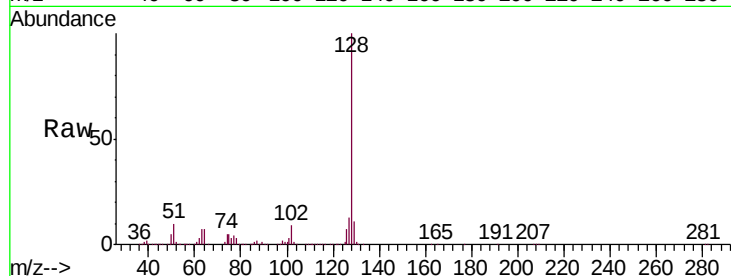
Tgt Ion:128 Resp: 819386

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

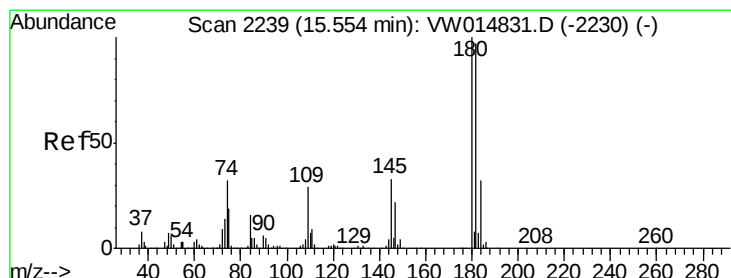
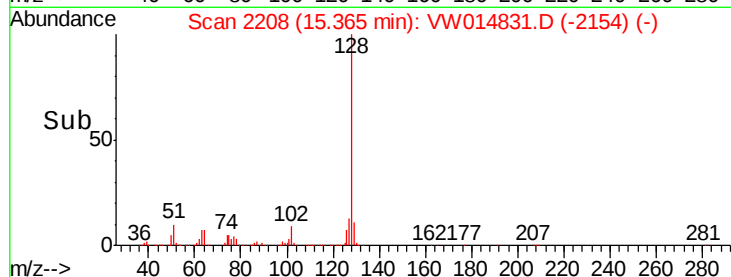
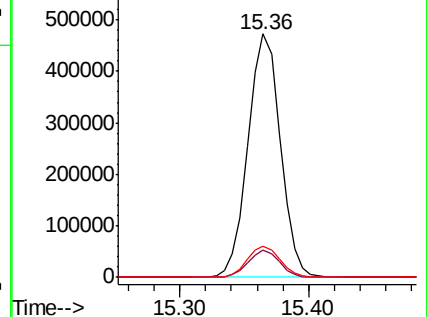
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.614 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014831.D

Acq: 03 Feb 2020 13:08

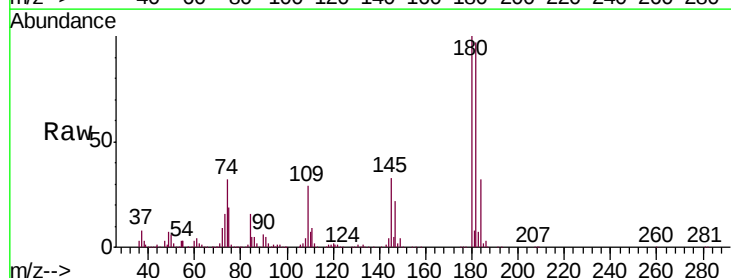
Tgt Ion:180 Resp: 352966

Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 32.2 25.7 38.5



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

