

Data File : VW014382.D
Acq On : 17 Dec 2019 09:59
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

Quant Time: Dec 18 01:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 17 15:04:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1094108	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	960186	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	466825	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	364582	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.04%
7) Chloroethane-d5	2.89	69	314593	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.16%
10) 1,1-Dichloroethene-d2	4.02	63	730282	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.84%
20) 2-Butanone-d5	7.07	46	227020	52.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.16%
24) Chloroform-d	7.65	84	745935	26.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.12%
26) 1,2-Dichloroethane-d4	8.30	65	382662	26.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.80%
29) Benzene-d6	8.27	84	1519241	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	9.27	67	468534	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.24%
37) Toluene-d8	10.32	98	1357790	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.72%
38) trans-1,3-Dichloropropene-	10.57	79	184371	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.52%
39) 2-Hexanone-d5	10.92	63	170949	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	357799	25.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	441087	24.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	208736	20.059 ug/L	96
3) Chloromethane	2.21	50	253865	24.267 ug/L	100
5) Vinyl chloride	2.36	62	401286	25.907 ug/L	94
6) Bromomethane	2.78	94	232663	24.352 ug/L	100
8) Chloroethane	2.92	64	231226	26.130 ug/L	98
9) Trichlorofluoromethane	3.26	101	239080	31.179 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	366647	25.406 ug/L	94
12) 1,1-Dichloroethene	4.04	96	360776	24.693 ug/L	84
13) Acetone	4.11	43	221518	53.216 ug/L	98
14) Carbon disulfide	4.38	76	1065652	23.781 ug/L	100
15) Methyl Acetate	4.66	43	169949	21.585 ug/L	97
16) Methylene chloride	4.91	84	379001	22.597 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	437600	22.712 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	375089	23.973 ug/L	91
19) 1,1-Dichloroethane	6.21	63	700711	24.926 ug/L	98
21) 2-Butanone	7.17	43	263520	47.153 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	400383	24.049 ug/L	94

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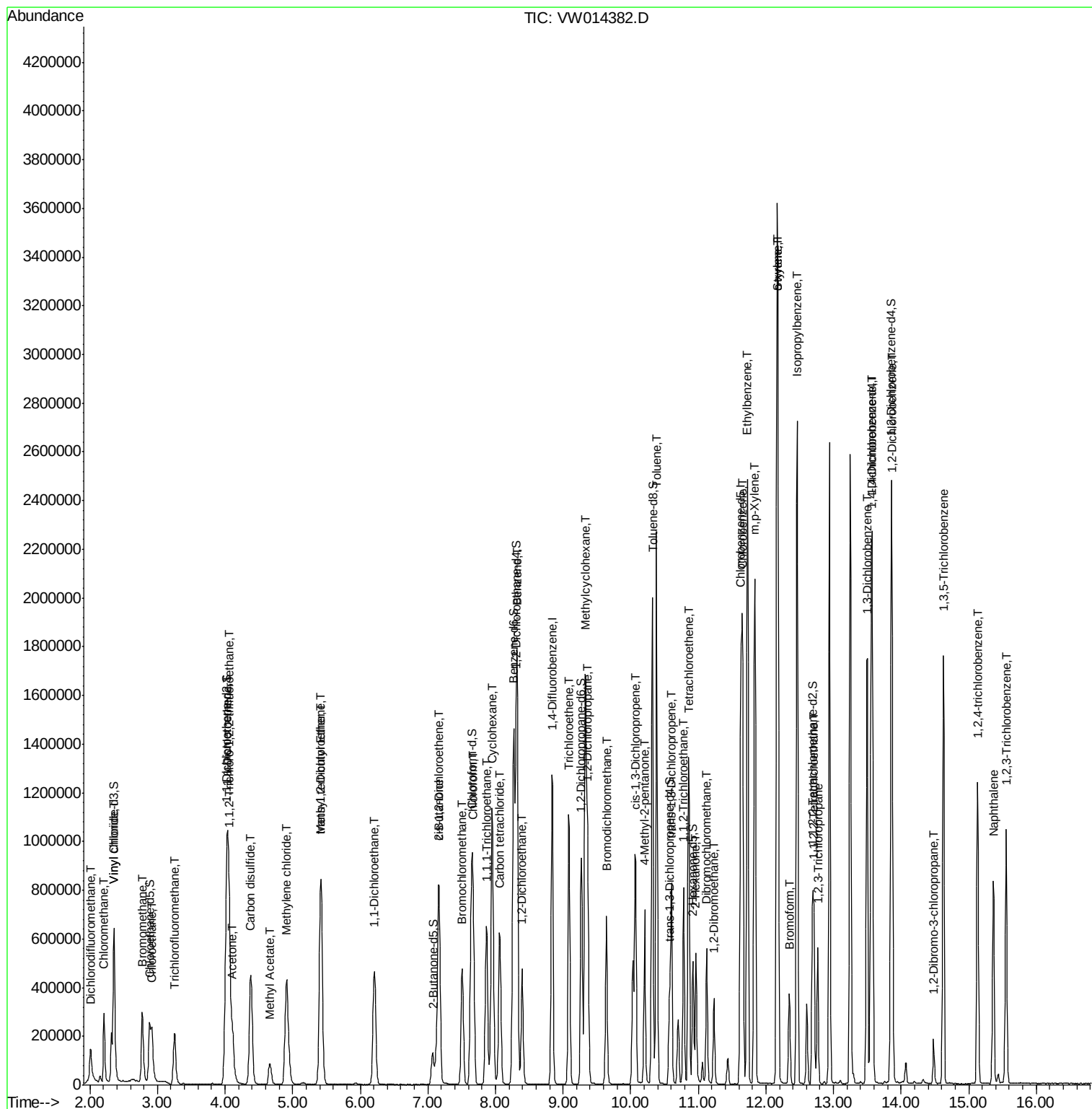
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	169865	22.181	ug/L #	81
25) Chloroform	7.67	83	668322	24.465	ug/L	100
27) 1,2-Dichloroethane	8.40	62	422124	23.598	ug/L	94
30) Cyclohexane	7.95	56	656580	27.396	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	528075	27.385	ug/L	97
32) Carbon tetrachloride	8.06	117	492951	26.942	ug/L	100
34) Benzene	8.32	78	1563391	25.715	ug/L	100
35) Trichloroethene	9.09	95	389063	25.011	ug/L	95
36) Methylcyclohexane	9.33	83	687642	26.307	ug/L	95
40) 1,2-Dichloropropane	9.37	63	389485	24.937	ug/L	99
41) Bromodichloromethane	9.64	83	465918	24.546	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	580343	24.811	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	460082	44.671	ug/L	98
44) Toluene	10.38	91	1642328	25.767	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	453800	23.967	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	264924	22.635	ug/L	96
47) Tetrachloroethene	10.86	164	323344	24.939	ug/L	97
49) 2-Hexanone	10.96	43	342939	46.769	ug/L	99
50) Dibromochloromethane	11.13	129	305875	23.285	ug/L	99
51) 1,2-Dibromoethane	11.23	107	245069	22.106	ug/L	100
52) Chlorobenzene	11.65	112	984391	23.896	ug/L	93
53) Ethylbenzene	11.73	91	1792516	25.918	ug/L	97
54) m,p-Xylene	11.83	106	671346	25.234	ug/L	95
55) o-xylene	12.16	106	636437	25.221	ug/L	98
56) Styrene	12.18	104	1072913	24.853	ug/L	96
57) Isopropylbenzene	12.46	105	1723240	26.304	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	314339	21.638	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	235065	21.777	ug/L	100
62) Bromoform	12.35	173	171742	21.676	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	751979	23.966	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	737660	23.139	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	681118	23.343	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	46490	20.654	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	548948	24.317	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	420609	23.900	ug/L	99
69) Naphthalene	15.36	128	720876	21.782	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	379823	23.015	ug/L	99

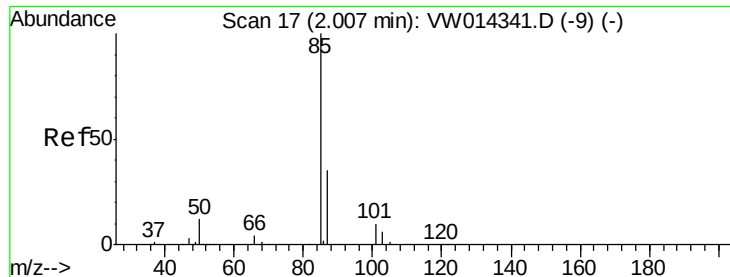
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.059 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

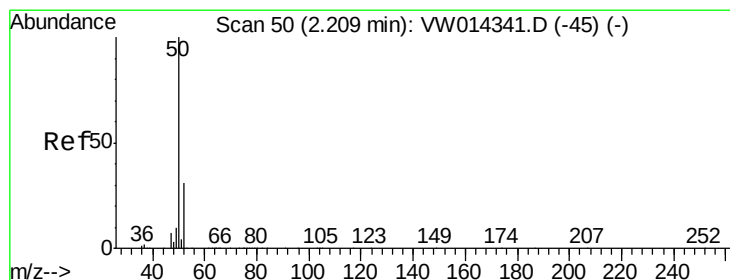
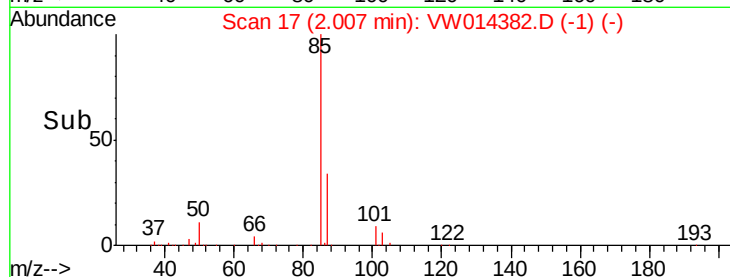
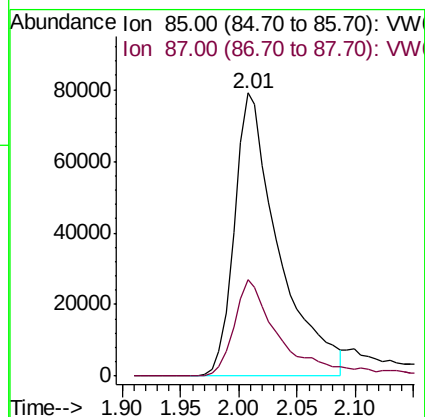
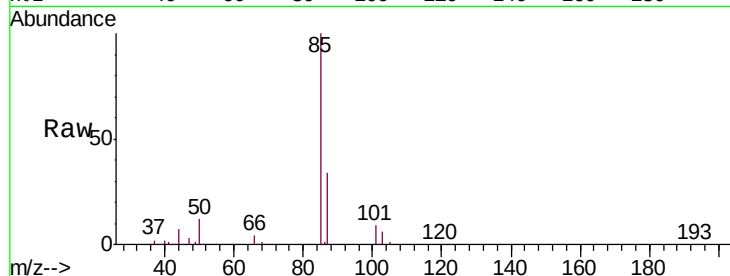
VSTD02522

Tgt Ion: 85 Resp: 208736

Ion Ratio Lower Upper

85 100

87 33.8 22.1 41.1



#3

Chloromethane

Concen: 24.267 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014382.D

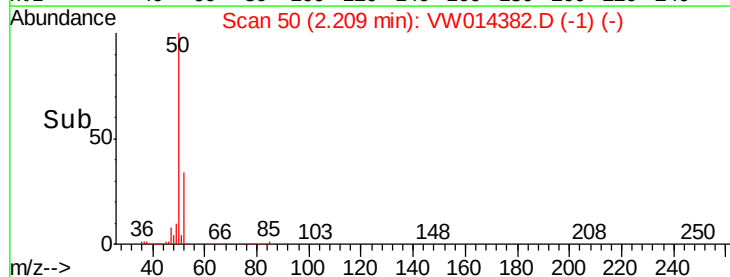
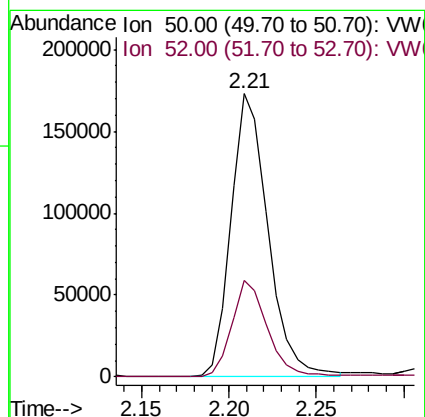
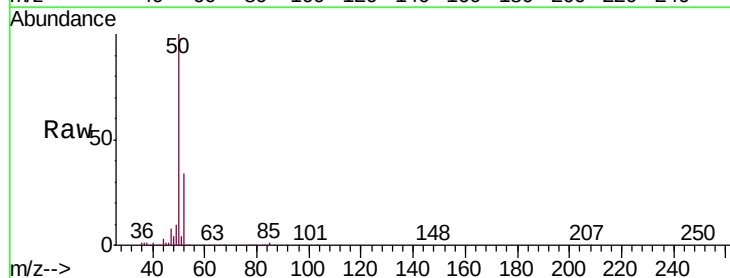
Acq: 17 Dec 2019 09:59

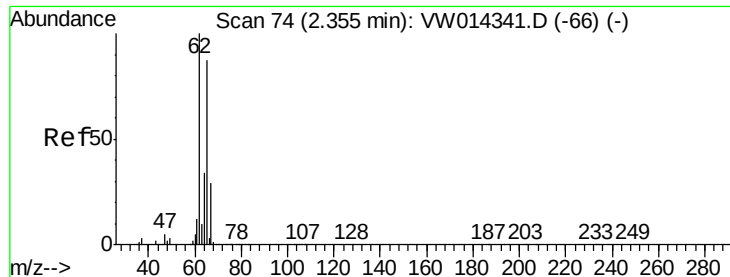
Tgt Ion: 50 Resp: 253865

Ion Ratio Lower Upper

50 100

52 34.1 23.8 44.2





#5

Vinyl chloride

Concen: 25.907 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

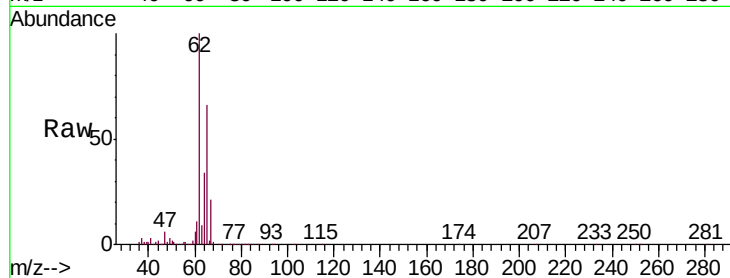
VSTD02522

Tgt Ion: 62 Resp: 401286

Ion Ratio Lower Upper

62 100

64 34.3 21.8 40.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

200000

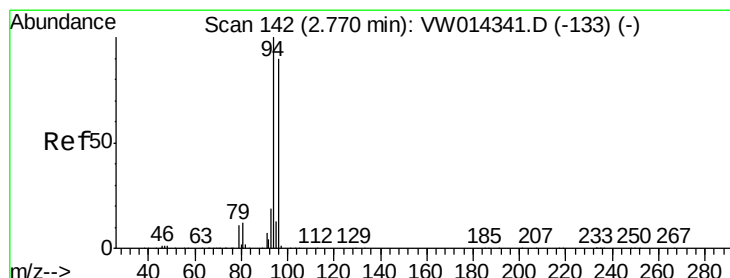
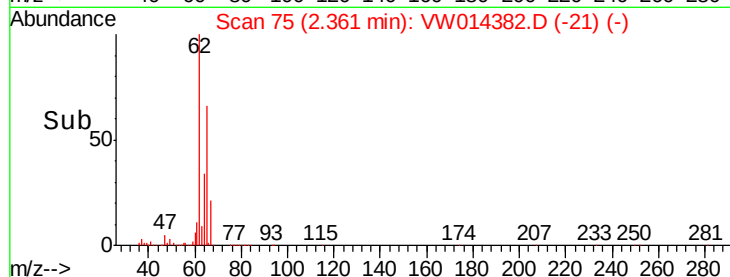
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 24.352 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014382.D

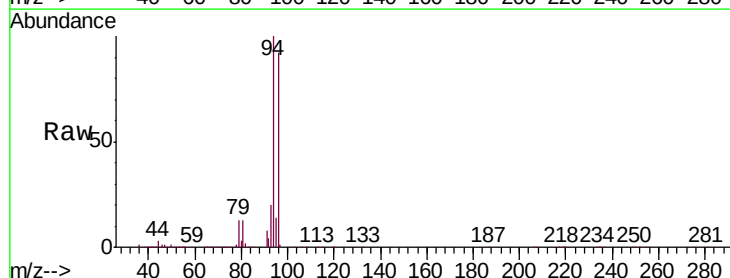
Acq: 17 Dec 2019 09:59

Tgt Ion: 94 Resp: 232663

Ion Ratio Lower Upper

94 100

96 94.2 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

120000

100000

80000

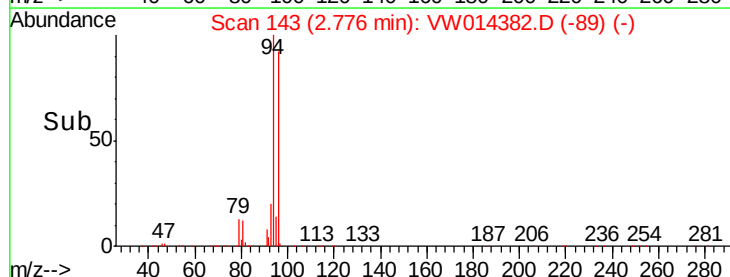
60000

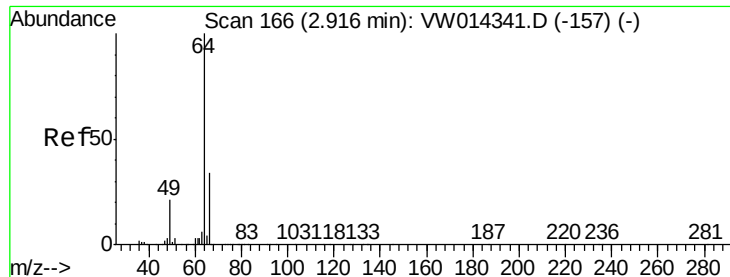
40000

20000

0

Time-->





#8

Chloroethane

Concen: 26.130 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

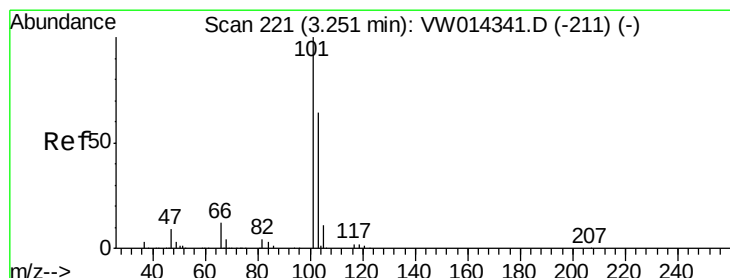
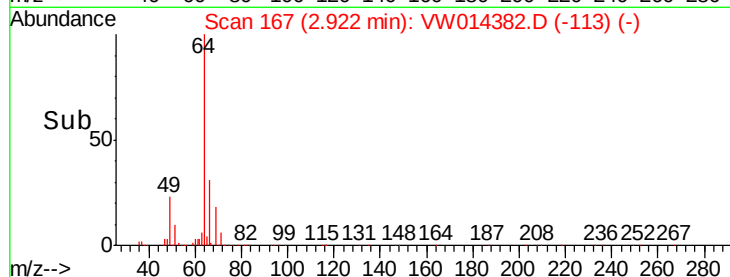
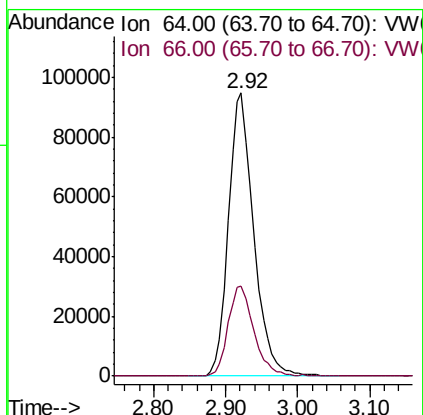
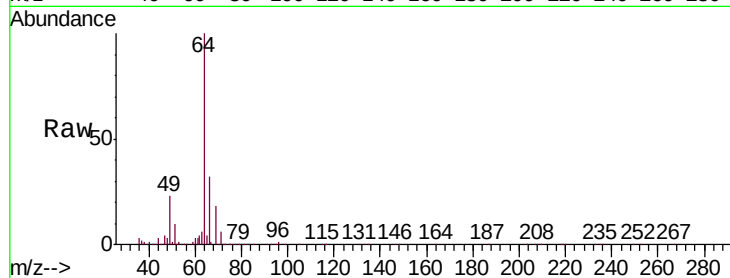
VSTD02522

Tgt Ion: 64 Resp: 231226

Ion Ratio Lower Upper

64 100

66 31.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 31.179 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014382.D

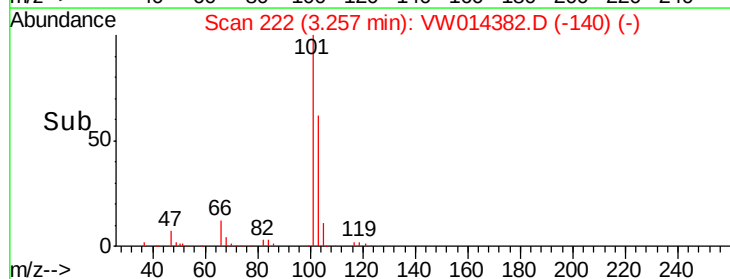
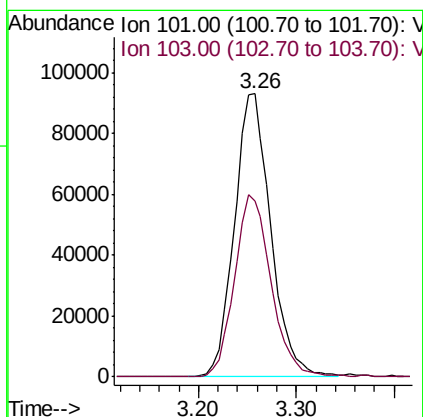
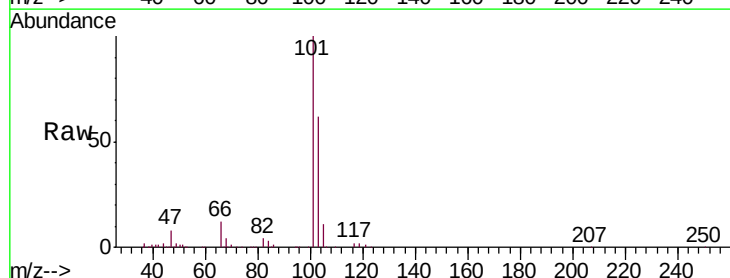
Acq: 17 Dec 2019 09:59

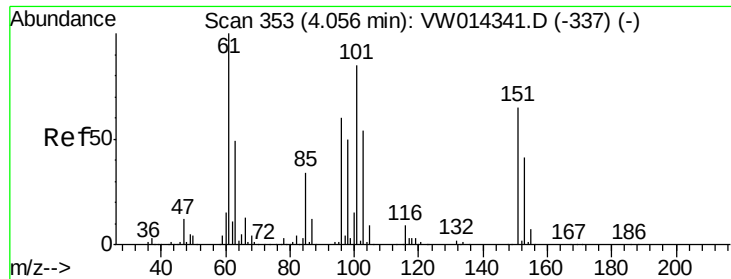
Tgt Ion: 101 Resp: 239080

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.2





#11

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

Concen: 25.406 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014382.D

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Instrument :

MSVOA_W

ClientSampleId :

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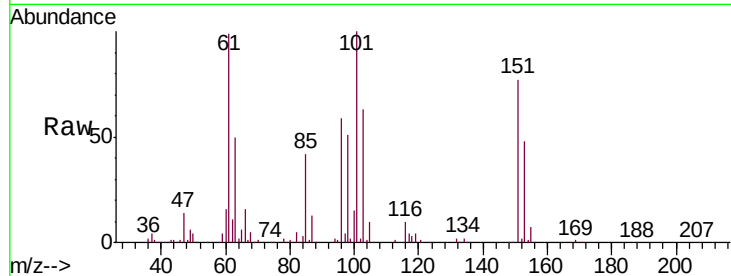
Tgt Ion: 101 Resp: 366647

Ion Ratio Lower Upper

101 100

85 42.2 31.4 47.2

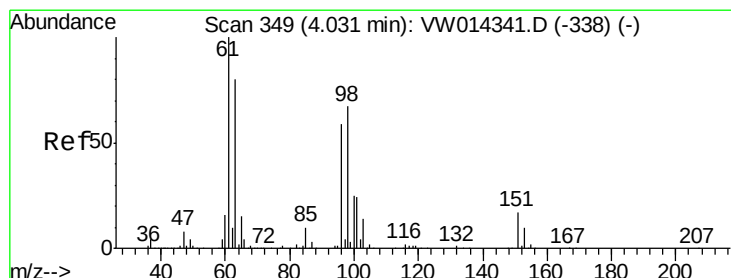
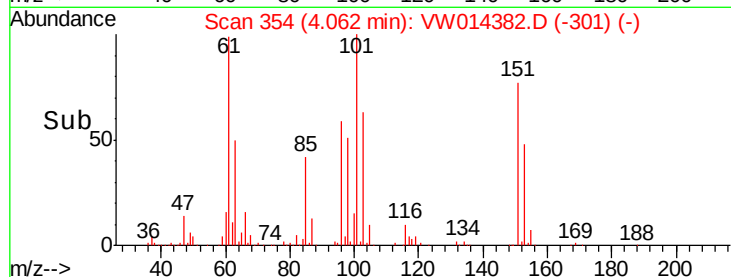
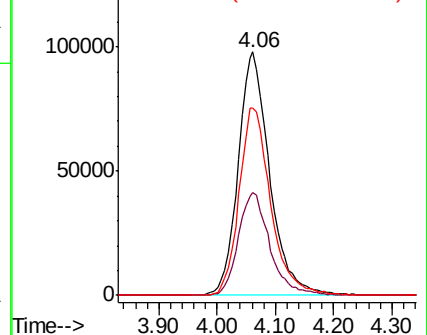
151 77.5 66.9 100.3



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: 24.693 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

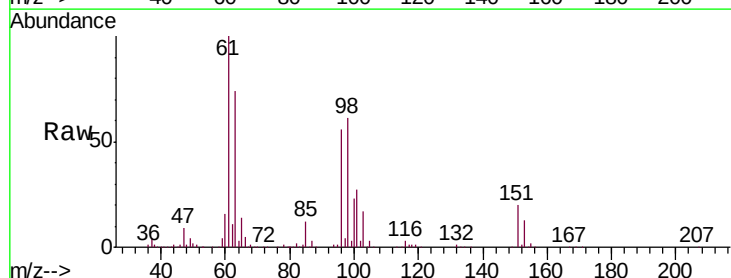
Tgt Ion: 96 Resp: 360776

Ion Ratio Lower Upper

96 100

61 178.7 109.8 204.0

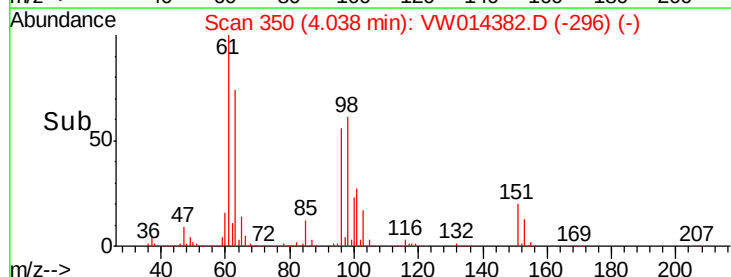
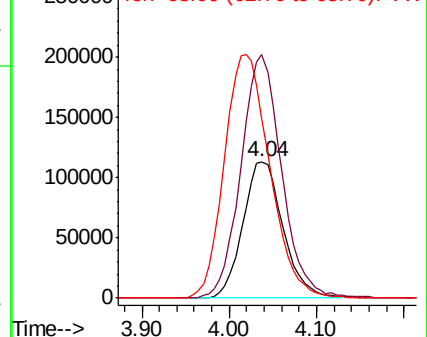
63 132.3 80.7 149.9

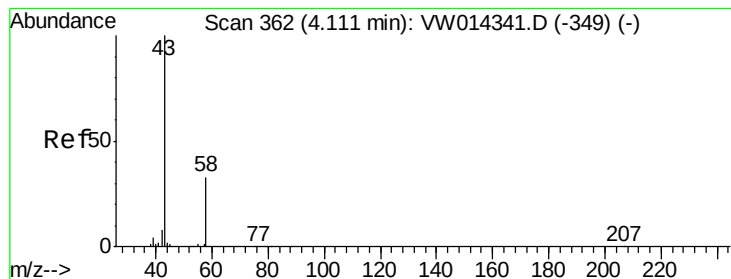


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.216 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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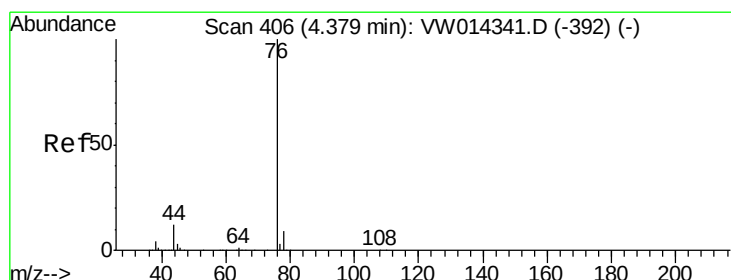
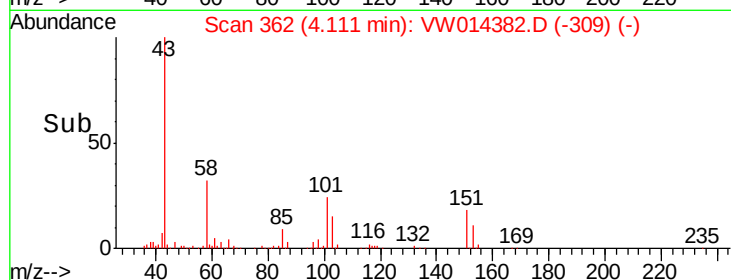
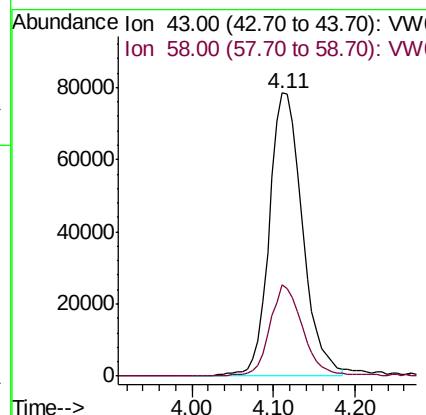
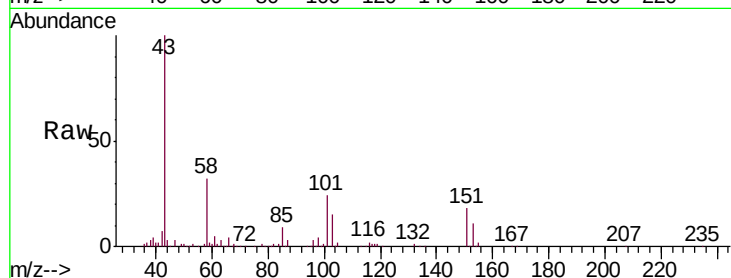
VSTD02522

Tgt Ion: 43 Resp: 221518

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.4



#14

Carbon disulfide

Concen: 23.781 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014382.D

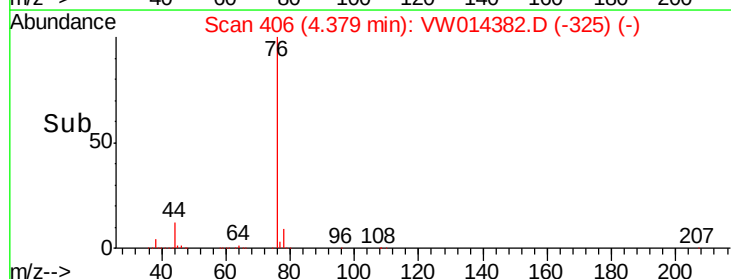
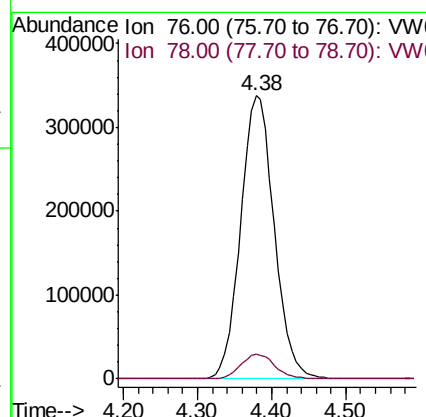
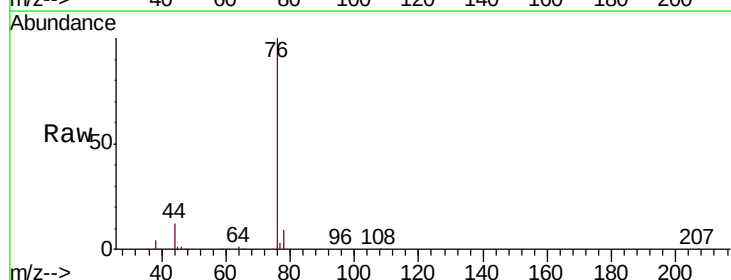
Acq: 17 Dec 2019 09:59

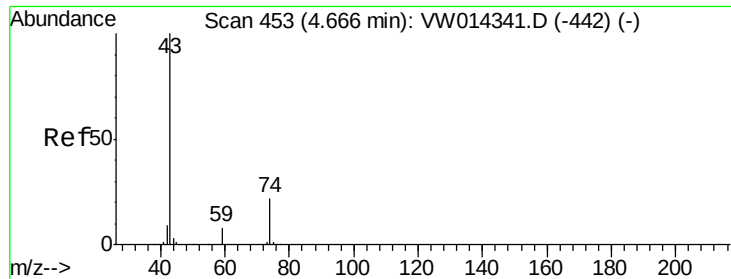
Tgt Ion: 76 Resp: 1065652

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

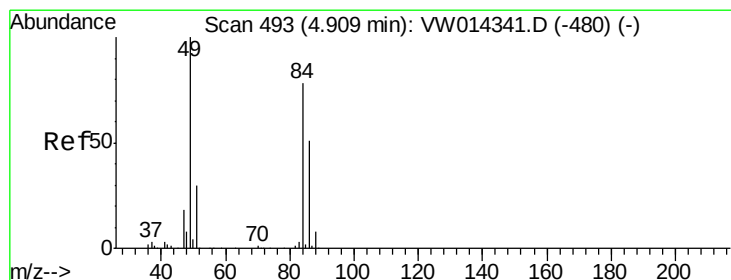
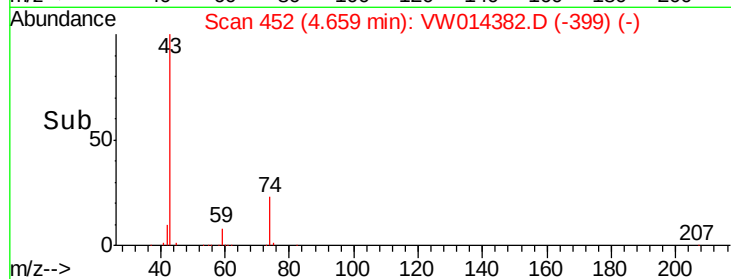
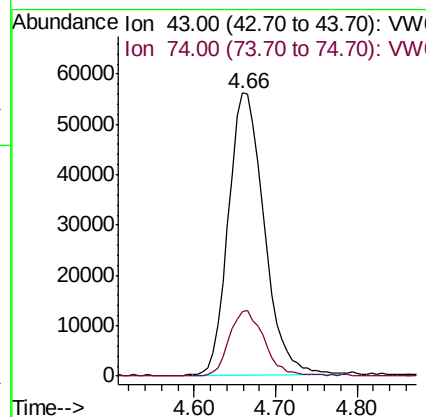
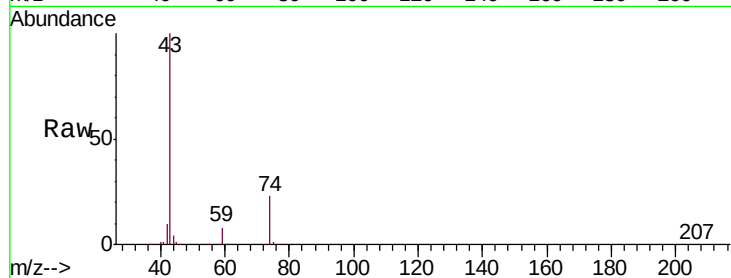




#15
Methyl Acetate
Concen: 21.585 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

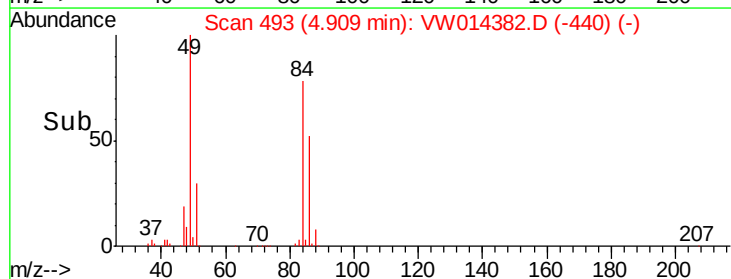
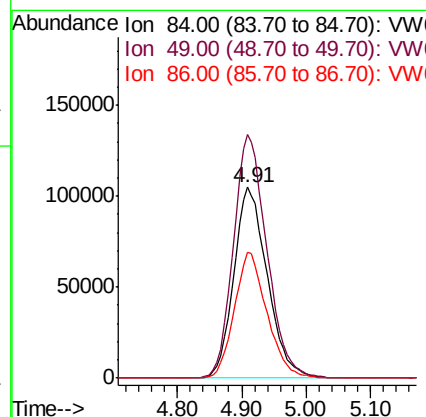
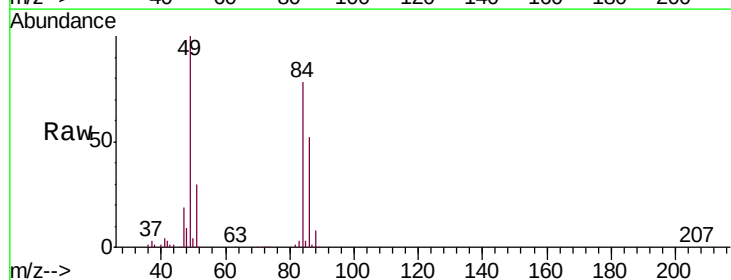
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

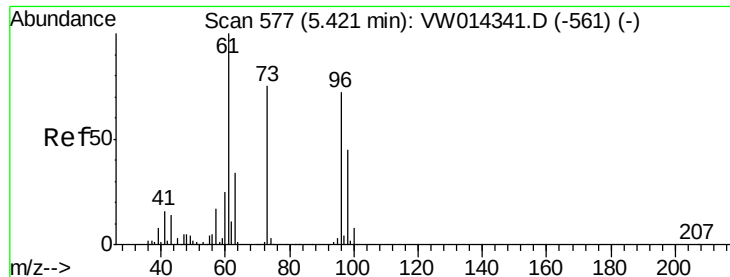
Tgt Ion: 43 Resp: 169949
Ion Ratio Lower Upper
43 100
74 22.9 19.3 28.9



#16
Methylene chloride
Concen: 22.597 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 84 Resp: 379001
Ion Ratio Lower Upper
84 100
49 127.8 84.2 156.4
86 66.1 43.7 81.1

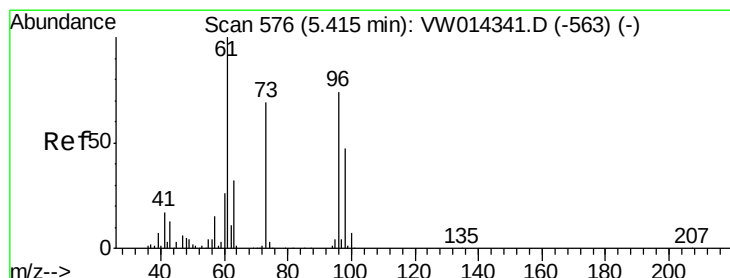
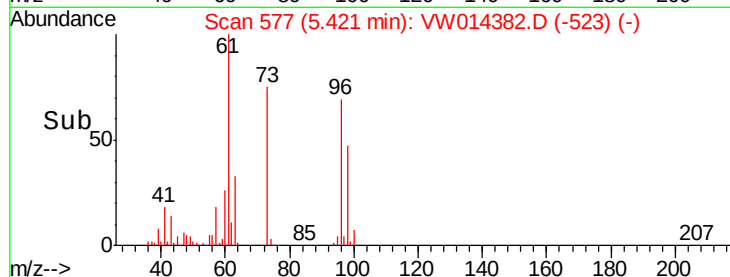
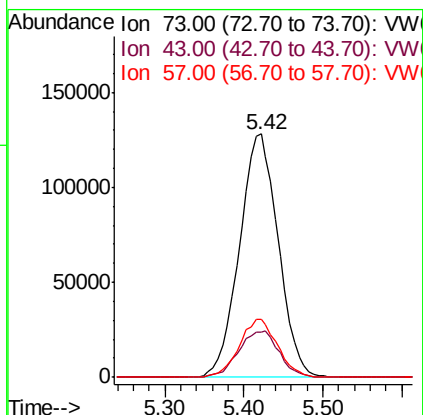
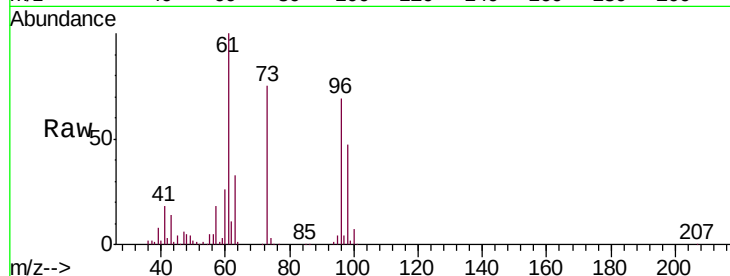




#17
Methyl tert-butyl Ether
Concen: 22.712 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

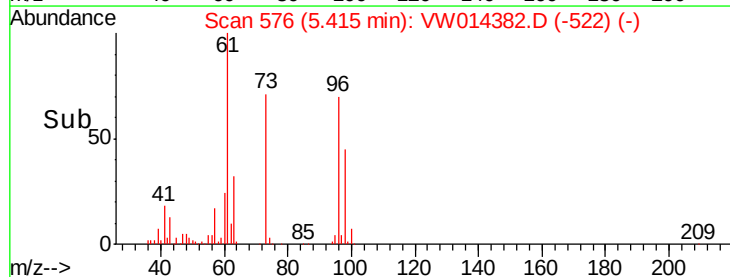
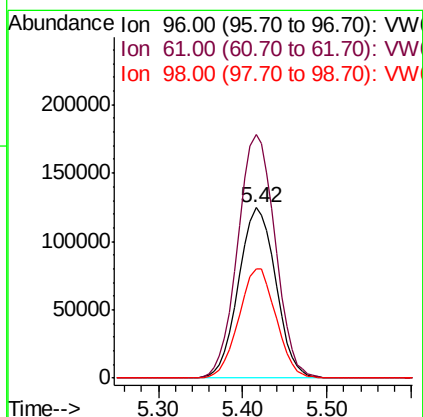
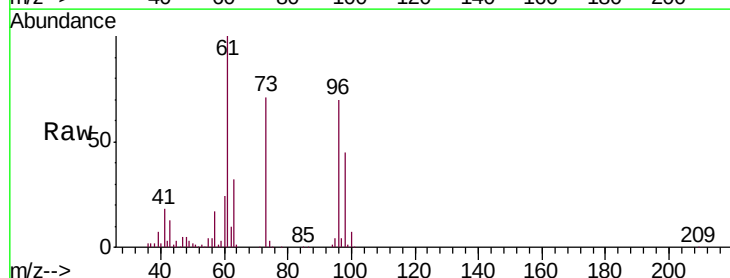
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

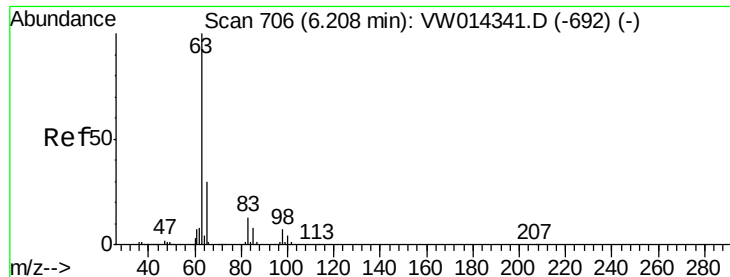
Tgt Ion: 73 Resp: 437600
Ion Ratio Lower Upper
73 100
43 19.9 15.5 23.3
57 23.4 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.973 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 96 Resp: 375089
Ion Ratio Lower Upper
96 100
61 143.0 90.6 168.2
98 64.4 42.9 79.7





#19

1,1-Dichloroethane

Concen: 24.926 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

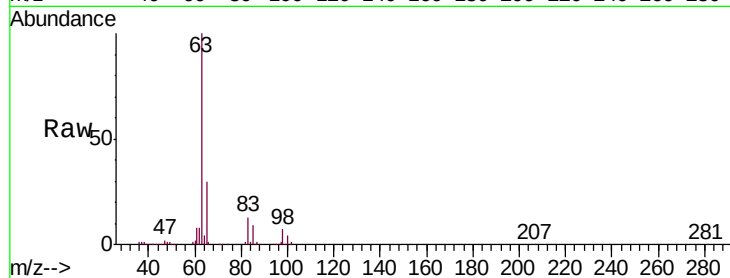
Tgt Ion: 63 Resp: 700711

Ion Ratio Lower Upper

63 100

65 30.3 22.1 41.1

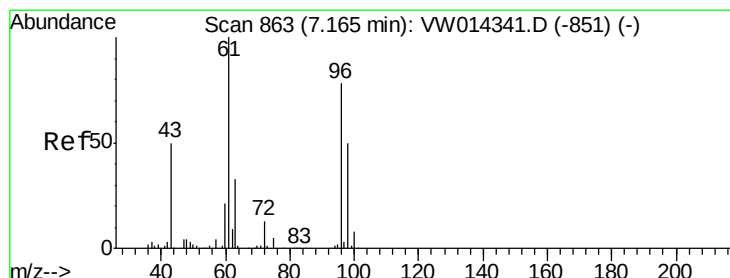
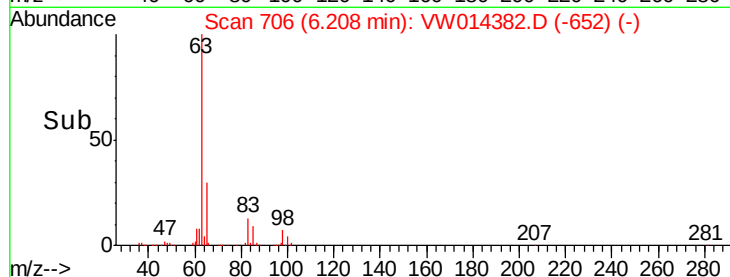
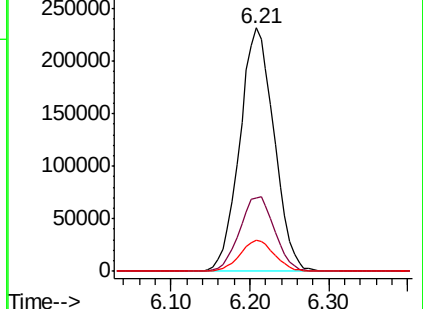
83 12.9 9.0 16.6



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: 47.153 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014382.D

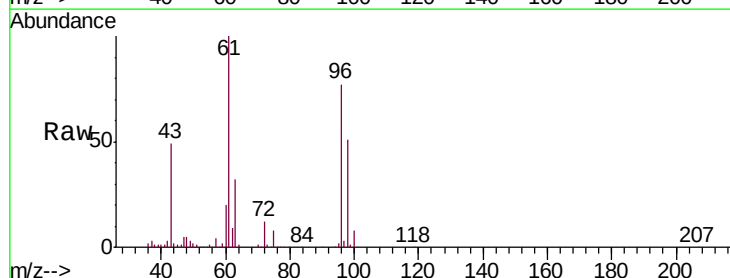
Acq: 17 Dec 2019 09:59

Tgt Ion: 43 Resp: 263520

Ion Ratio Lower Upper

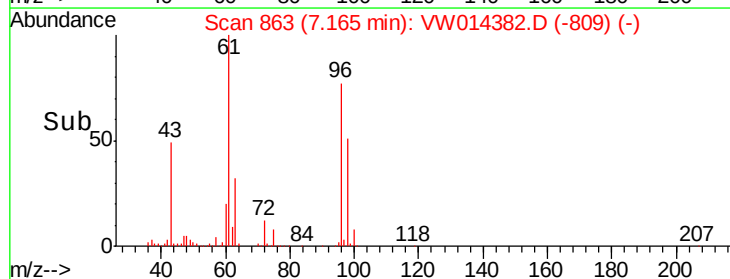
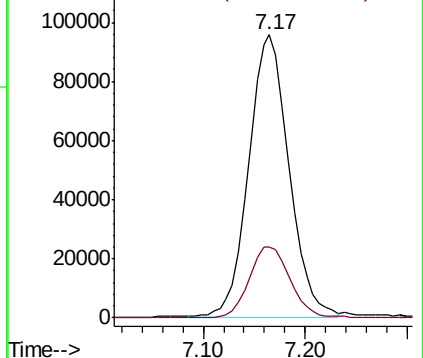
43 100

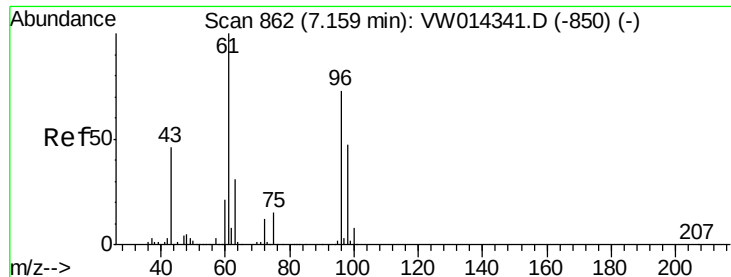
72 25.4 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



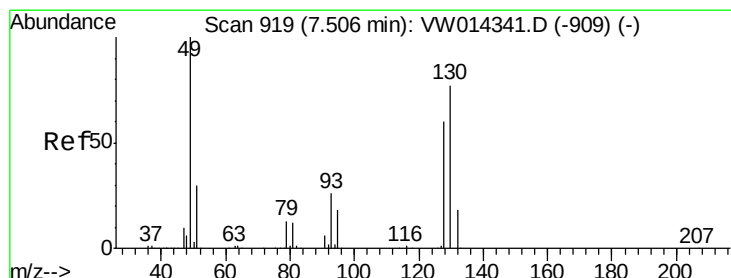
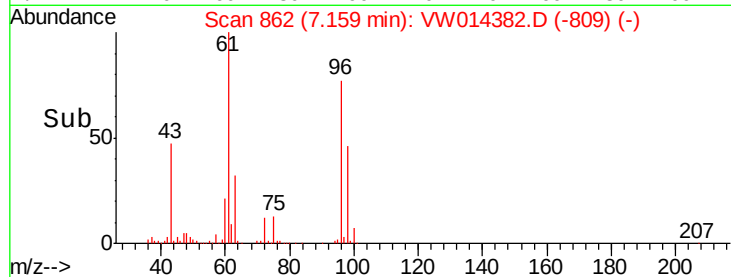
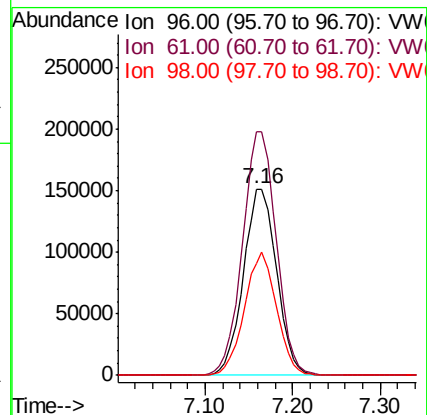
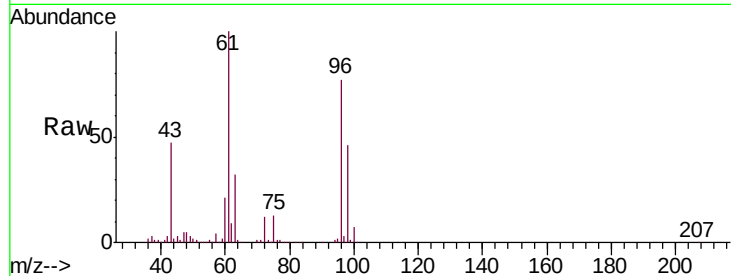


#22

cis-1,2-Dichloroethene
Concen: 24.049 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

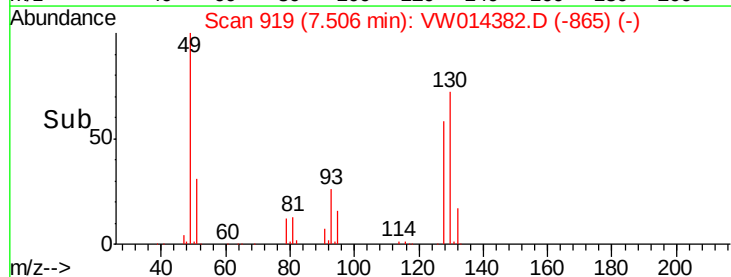
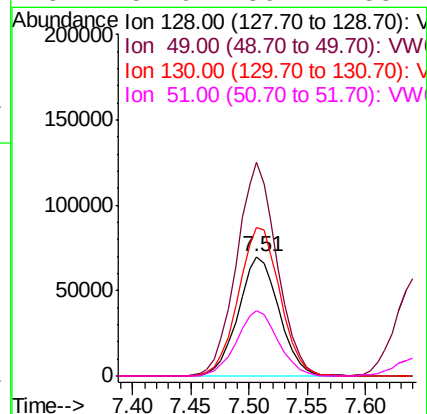
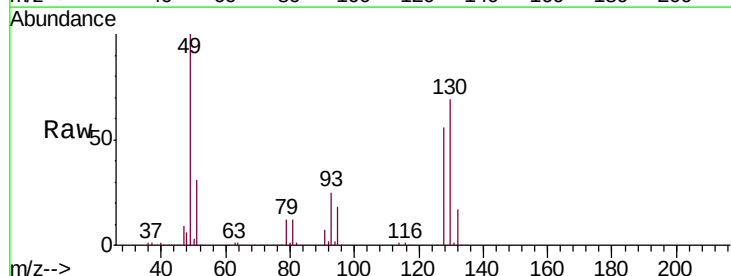
Tgt Ion: 96 Resp: 400383
Ion Ratio Lower Upper
96 100
61 130.6 86.9 161.5
98 59.7 45.5 84.5

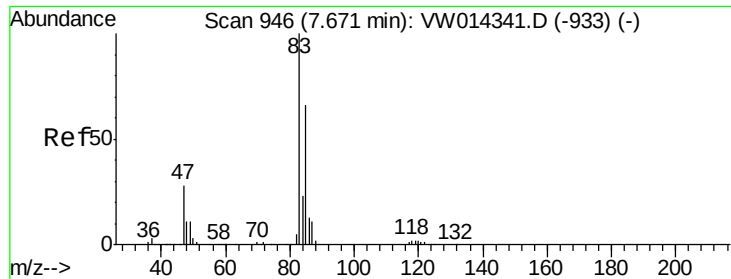


#23

Bromochloromethane
Concen: 22.181 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 128 Resp: 169865
Ion Ratio Lower Upper
128 100
49 179.1 95.1 176.5#
130 124.3 85.0 158.0
51 54.9 36.7 55.1

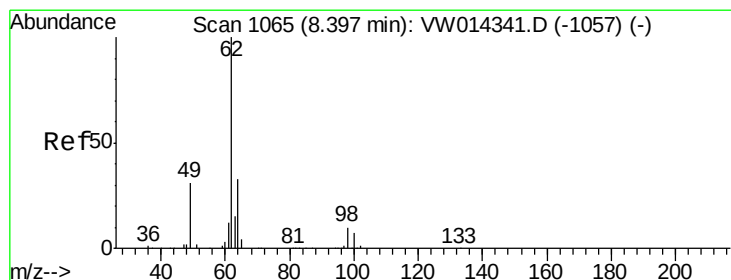
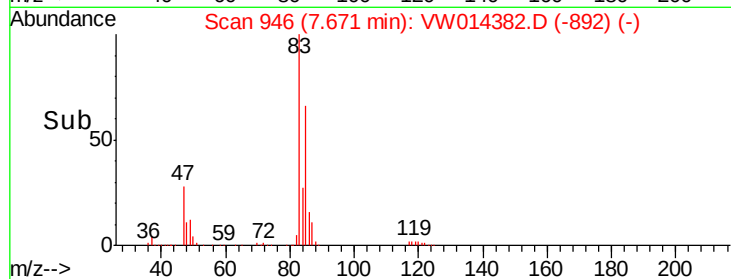
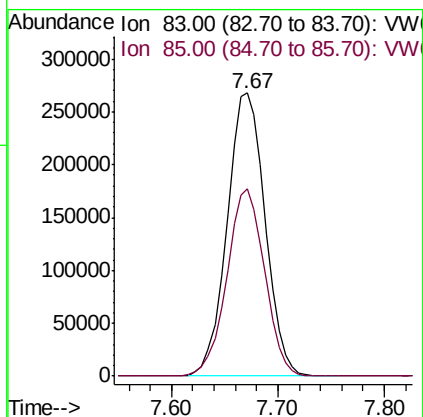
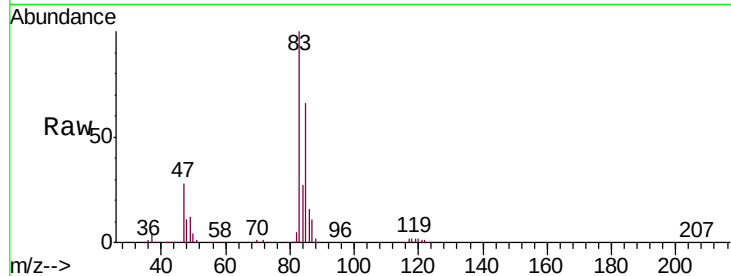




#25
Chloroform
Concen: 24.465 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

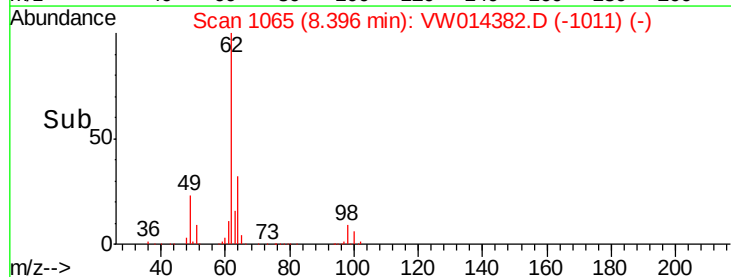
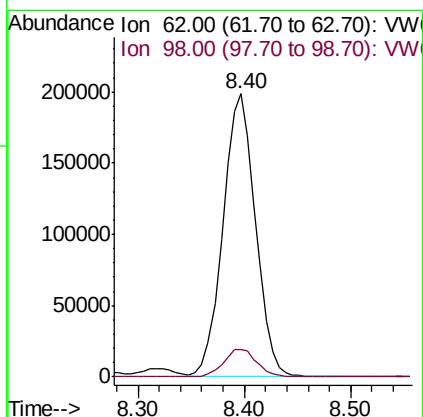
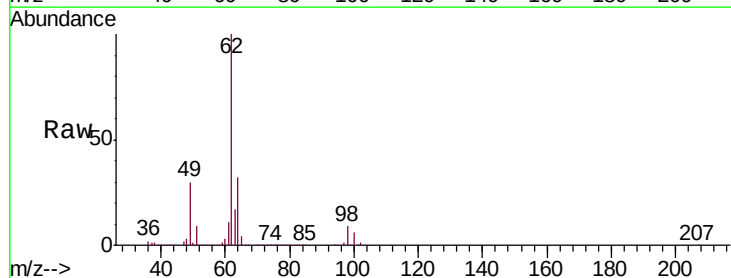
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

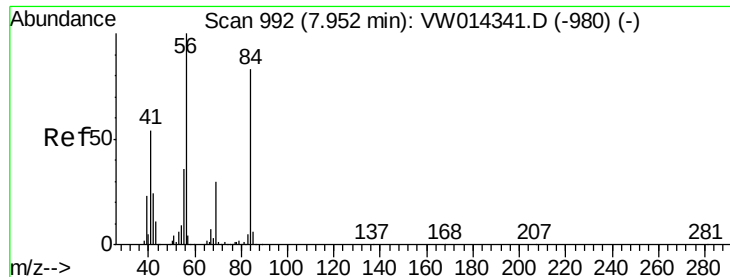
Tgt Ion: 83 Resp: 668322
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 23.598 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 62 Resp: 422124
Ion Ratio Lower Upper
62 100
98 9.5 9.3 13.9

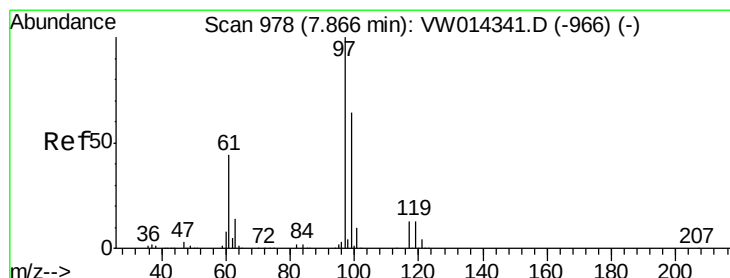
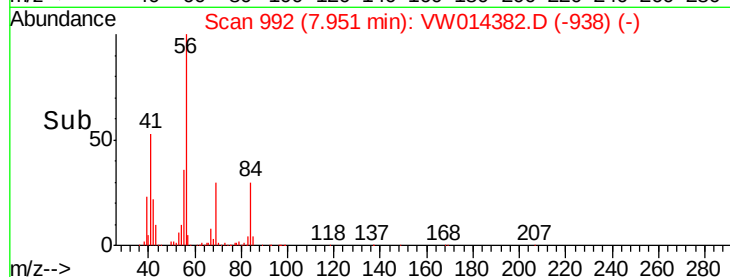
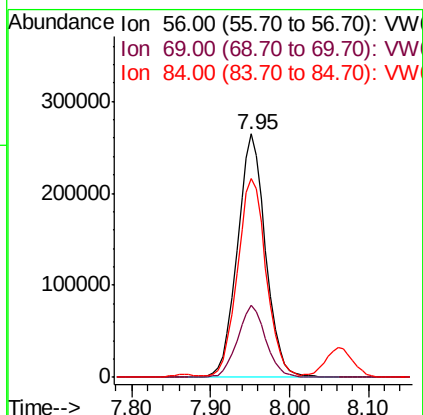
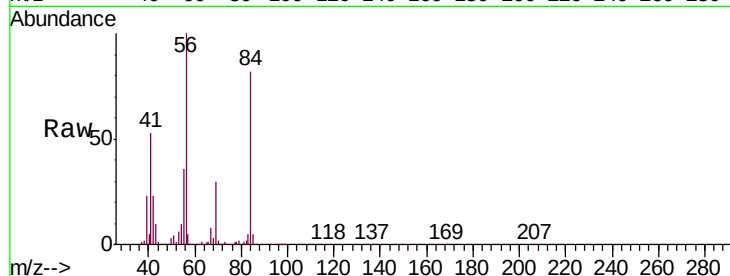




#30
Cyclohexane
Concen: 27.396 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

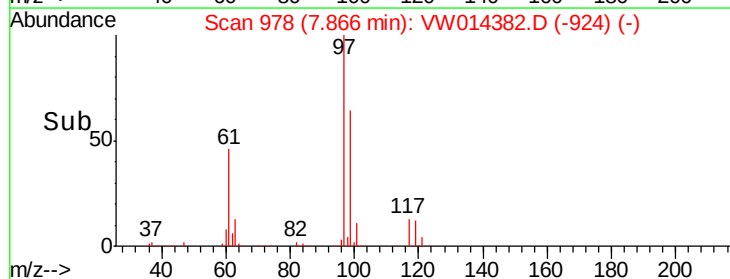
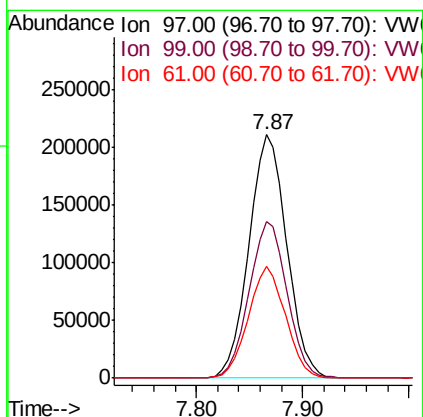
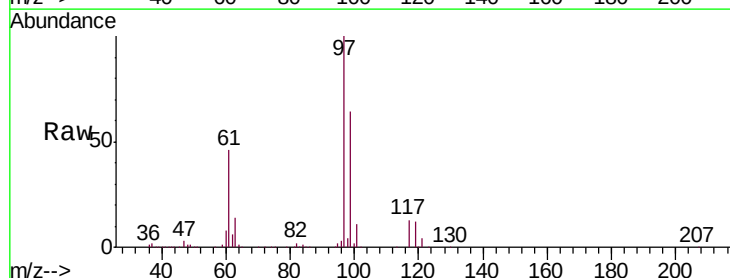
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

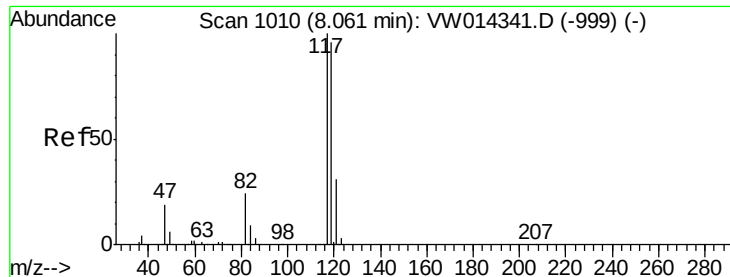
Tgt Ion: 56 Resp: 656580
Ion Ratio Lower Upper
56 100
69 29.5 24.6 37.0
84 83.4 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 27.385 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 97 Resp: 528075
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 44.9 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.942 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

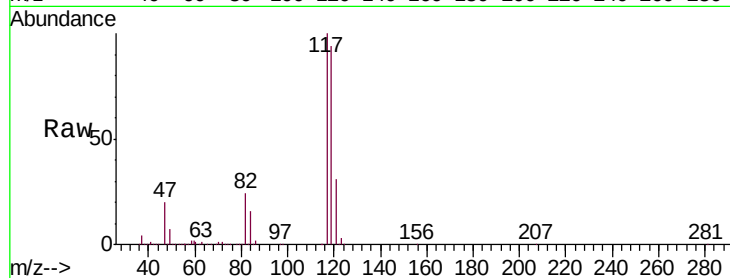
VSTD02522

Tgt Ion:117 Resp: 492951

Ion Ratio Lower Upper

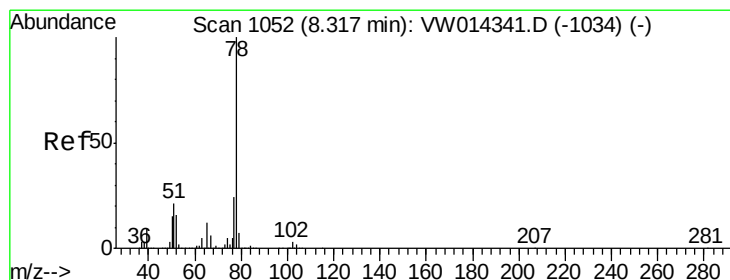
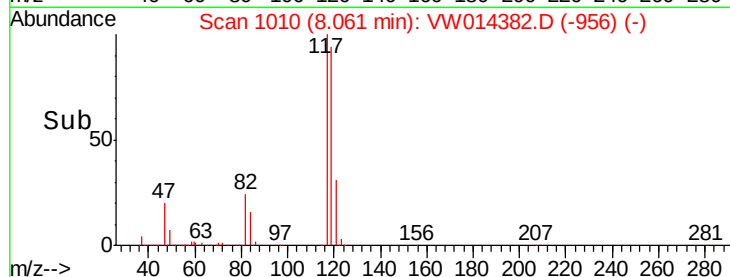
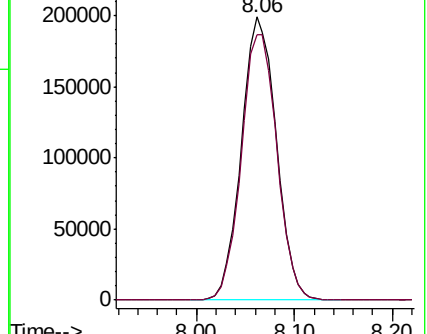
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.715 ug/L

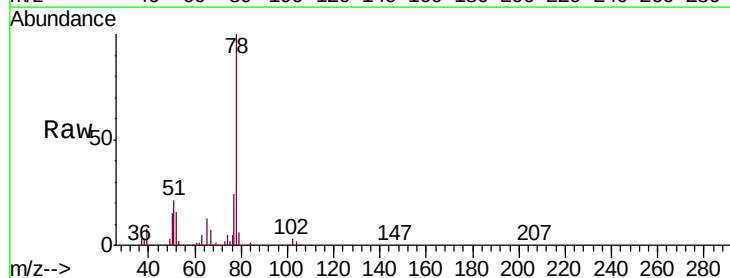
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

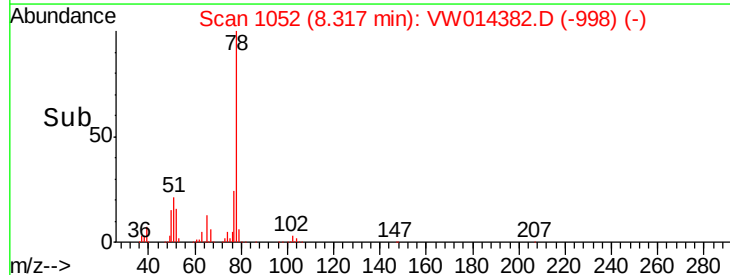
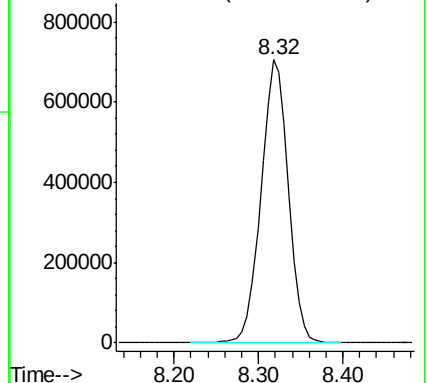
Lab File: VW014382.D

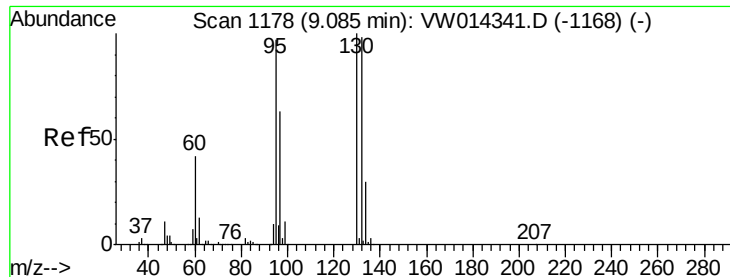
Acq: 17 Dec 2019 09:59

Tgt Ion: 78 Resp: 1563391



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.011 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tgt Ion: 95 Resp: 389063

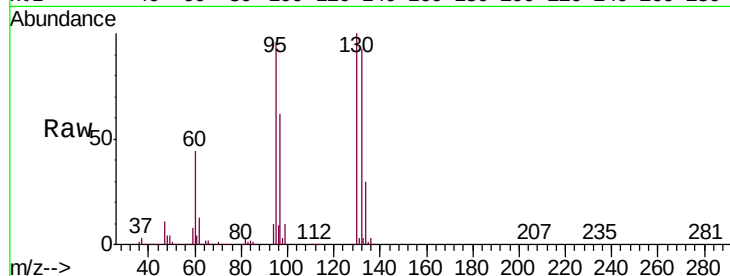
Ion Ratio Lower Upper

95 100

97 65.4 45.1 83.9

132 98.3 73.7 136.9

130 104.1 76.6 142.2

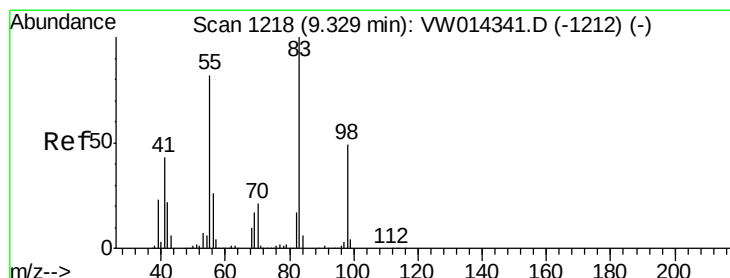
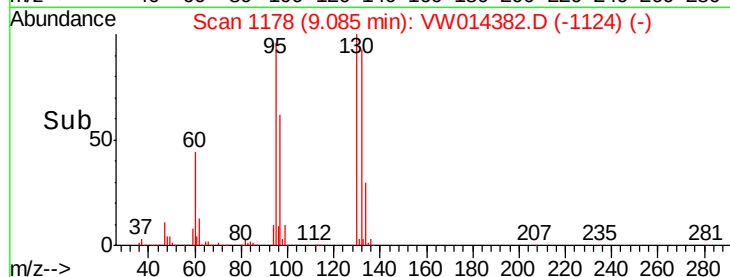
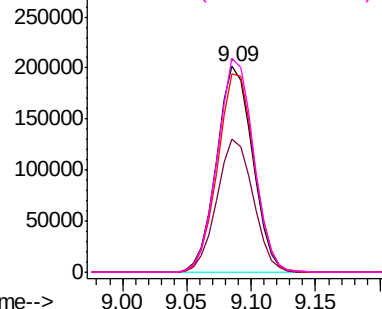


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 26.307 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

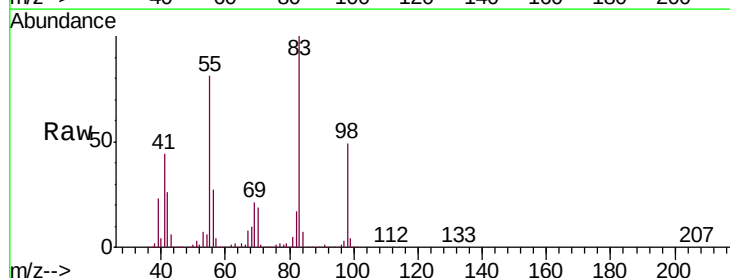
Tgt Ion: 83 Resp: 687642

Ion Ratio Lower Upper

83 100

55 81.8 59.8 89.8

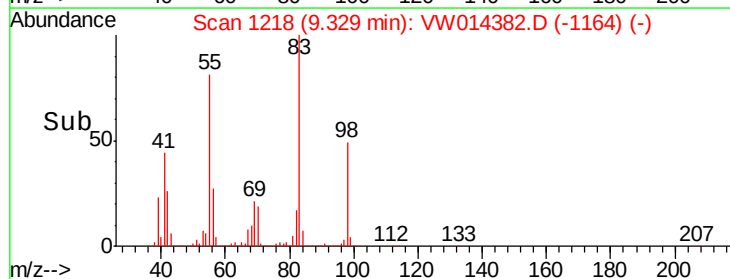
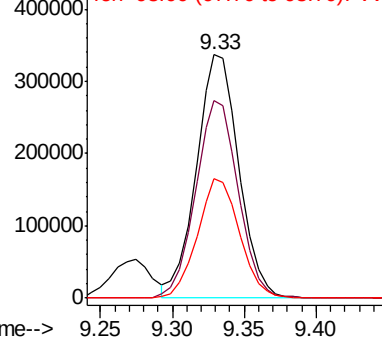
98 48.7 39.5 59.3

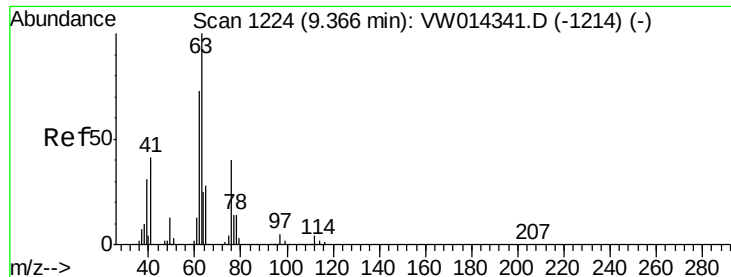


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

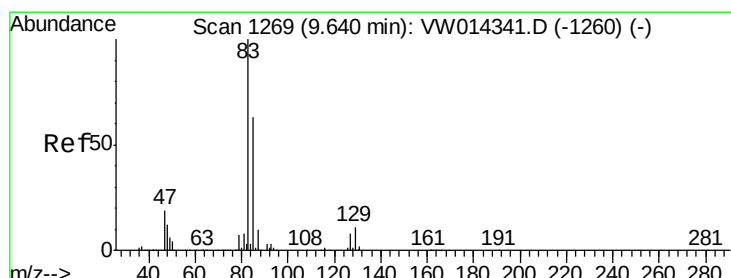
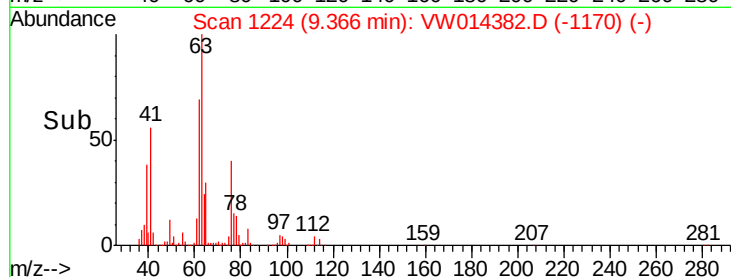
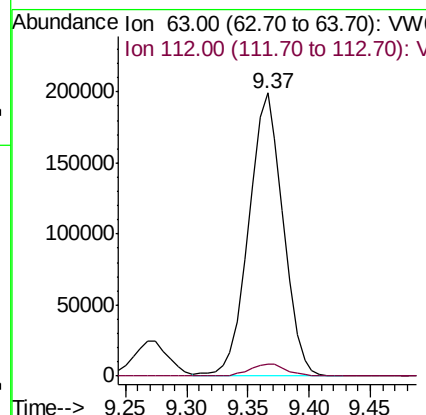
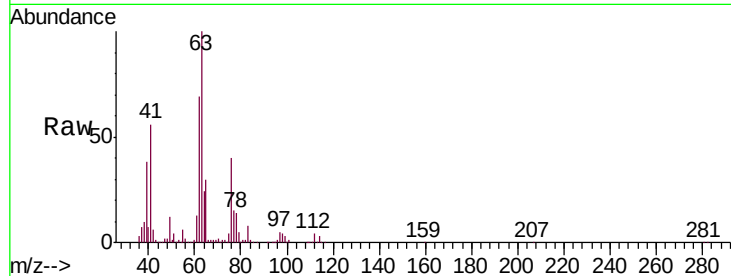




#40
 1,2-Dichloropropane
 Concen: 24.937 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

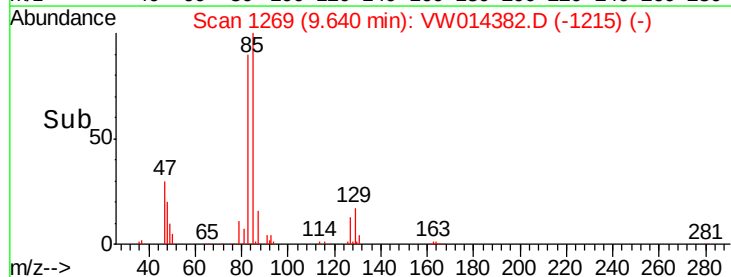
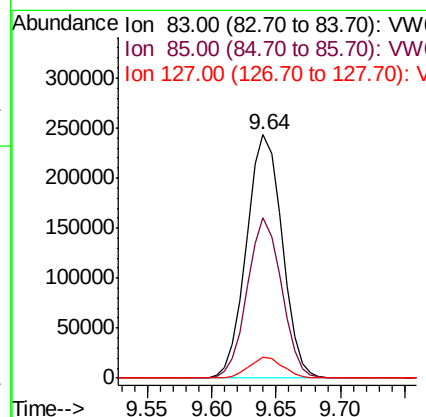
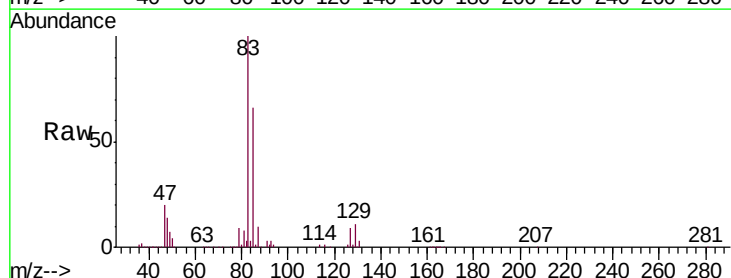
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

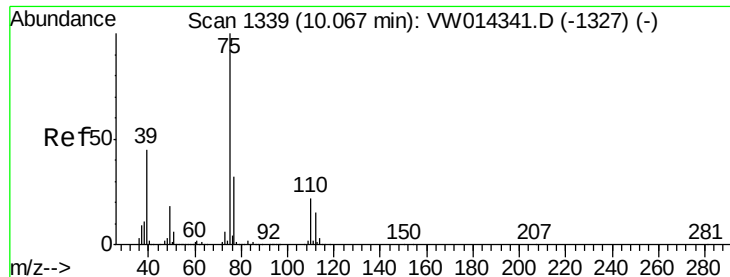
Tgt Ion: 63 Resp: 389485
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#41
 Bromodichloromethane
 Concen: 24.546 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

Tgt Ion: 83 Resp: 465918
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.7
 127 8.8 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.811 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

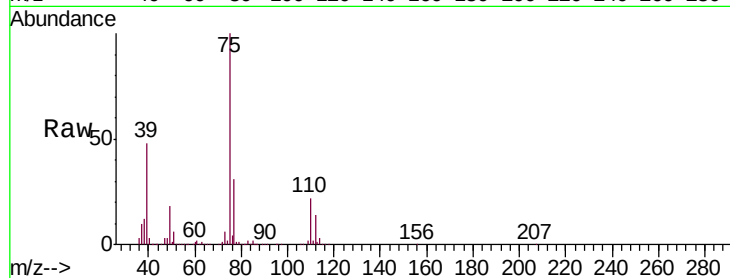
VSTD02522

Tgt Ion: 75 Resp: 580343

Ion Ratio Lower Upper

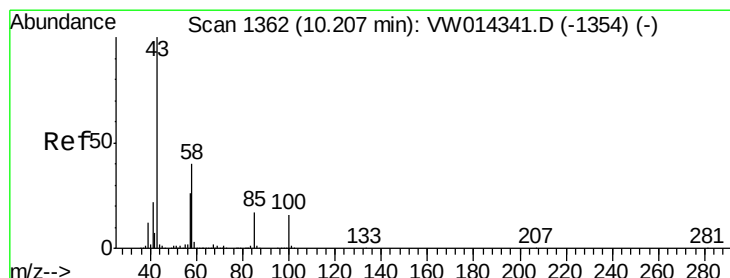
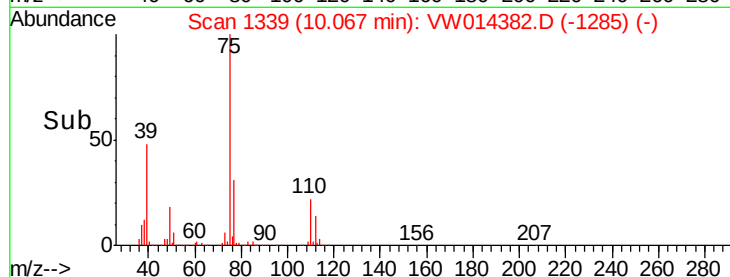
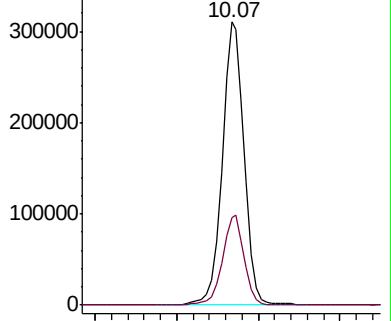
75 100

77 31.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 44.671 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

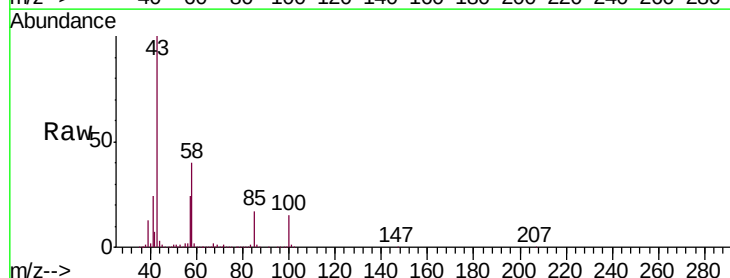
Tgt Ion: 43 Resp: 460082

Ion Ratio Lower Upper

43 100

58 40.0 32.6 49.0

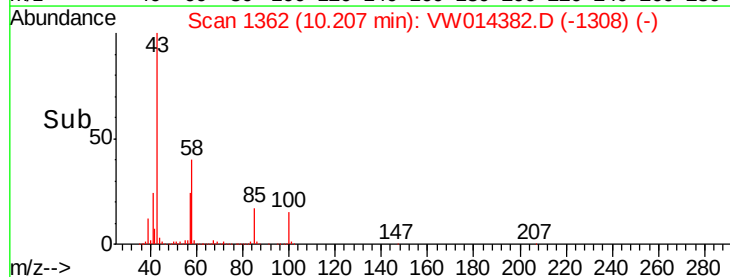
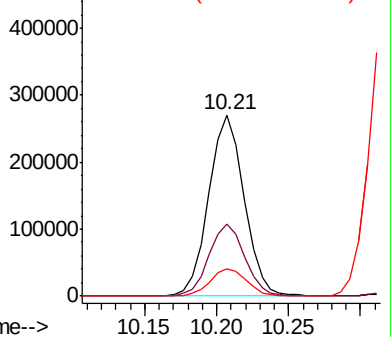
100 15.4 13.8 20.8

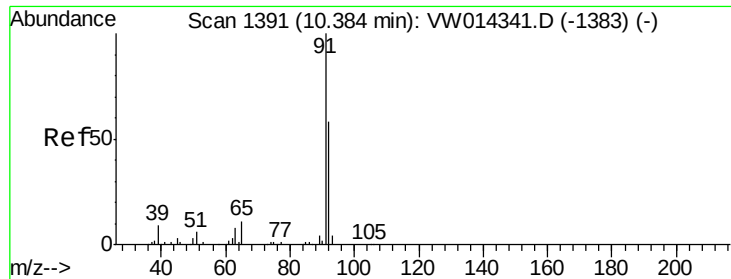


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.767 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampled :

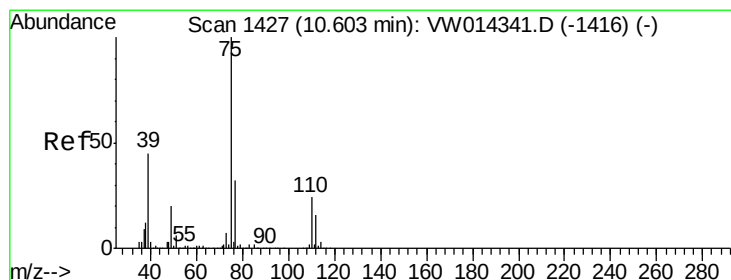
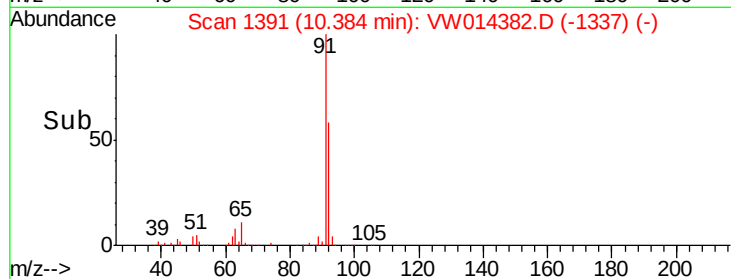
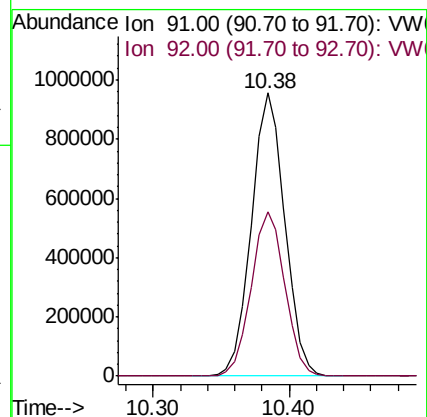
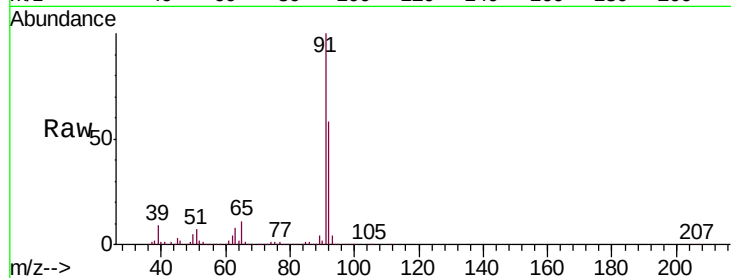
VSTD02522

Tgt Ion: 91 Resp: 1642328

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.967 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014382.D

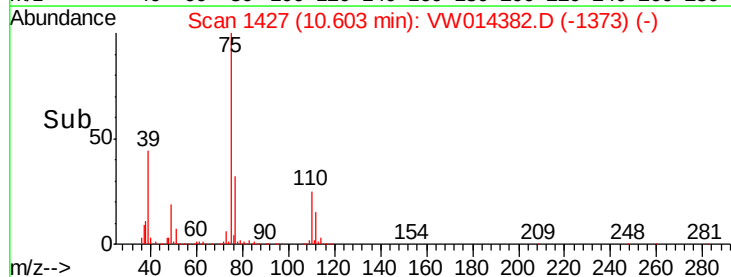
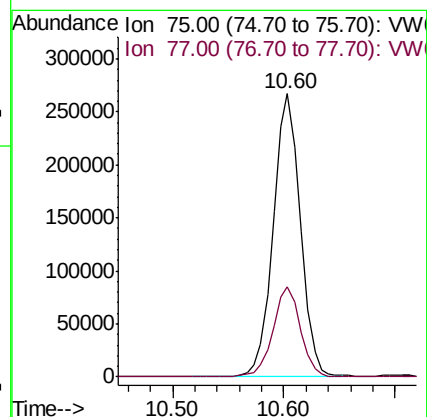
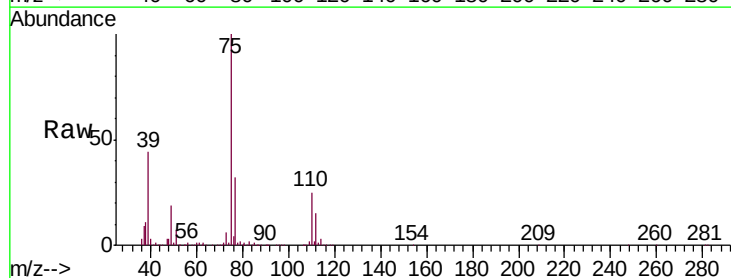
Acq: 17 Dec 2019 09:59

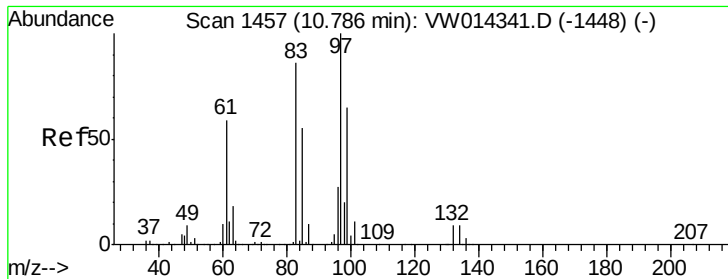
Tgt Ion: 75 Resp: 453800

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6

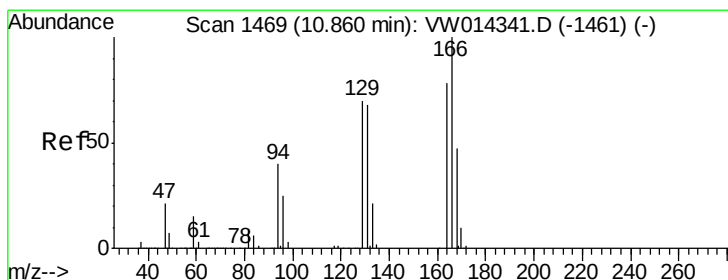
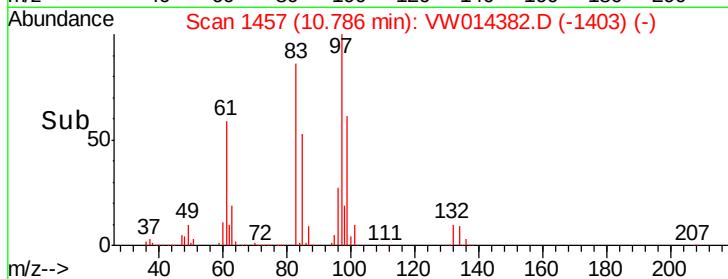
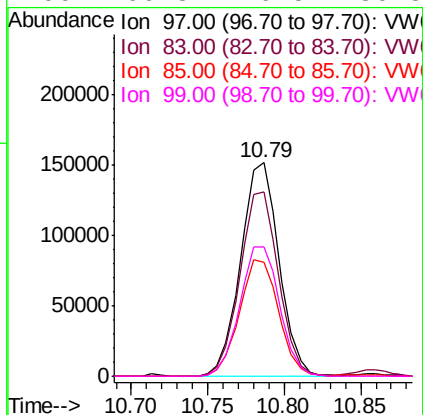
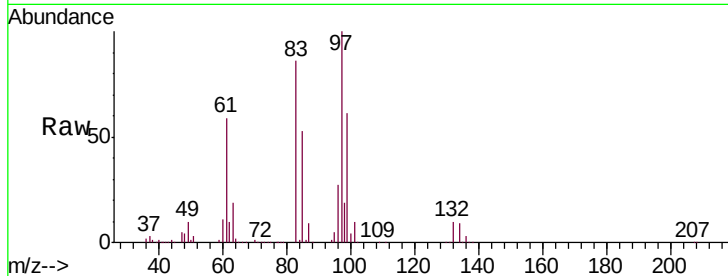




#46
 1,1,2-Trichloroethane
 Concen: 22.635 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

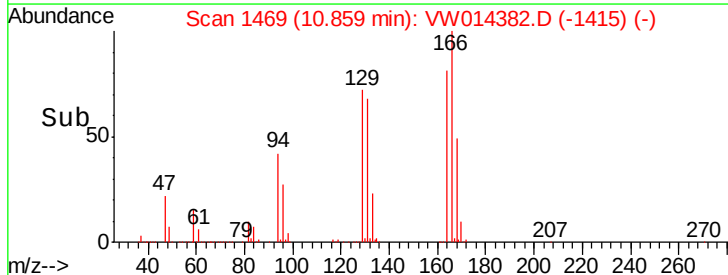
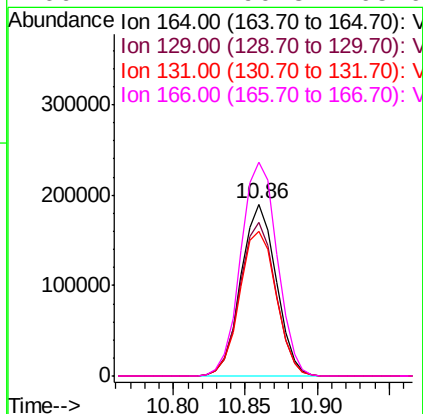
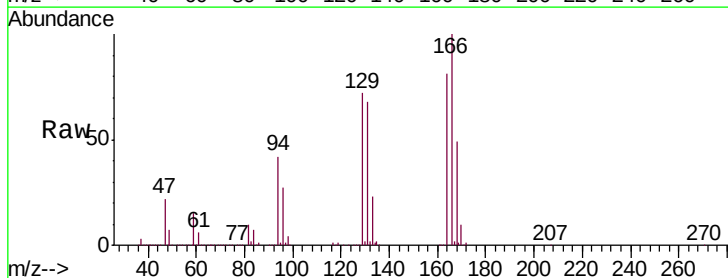
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

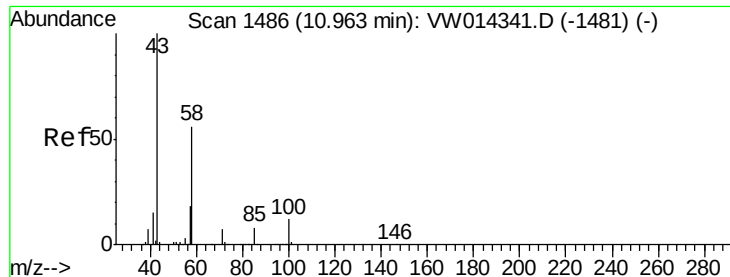
Tgt Ion:	97	Resp:	264924
Ion	Ratio	Lower	Upper
97	100		
83	86.1	58.9	109.5
85	53.2	38.1	70.9
99	60.8	46.5	86.3



#47
 Tetrachloroethene
 Concen: 24.939 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

Tgt Ion:	164	Resp:	323344
Ion	Ratio	Lower	Upper
164	100		
129	89.4	60.6	112.6
131	84.4	59.1	109.7
166	124.2	90.8	168.6

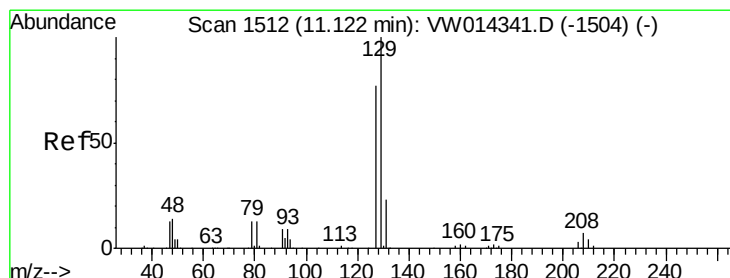
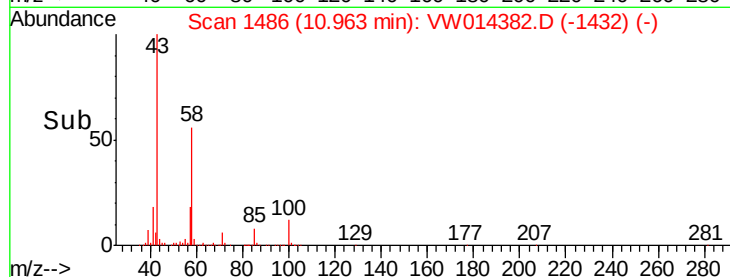
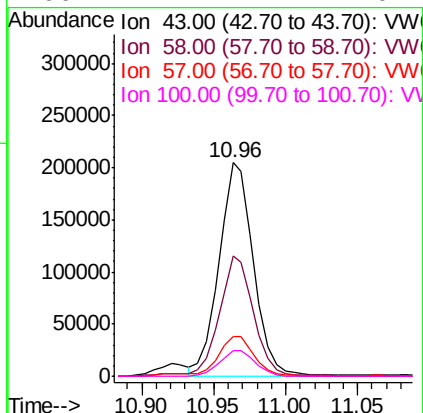
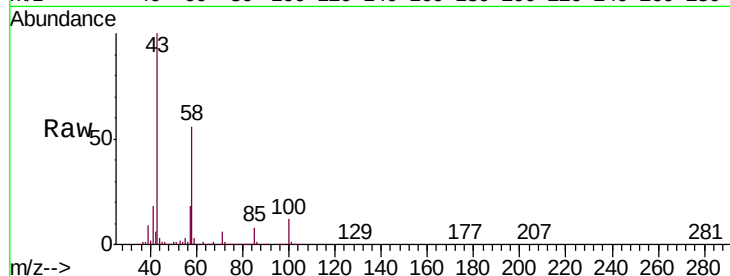




#49
2-Hexanone
Concen: 46.769 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

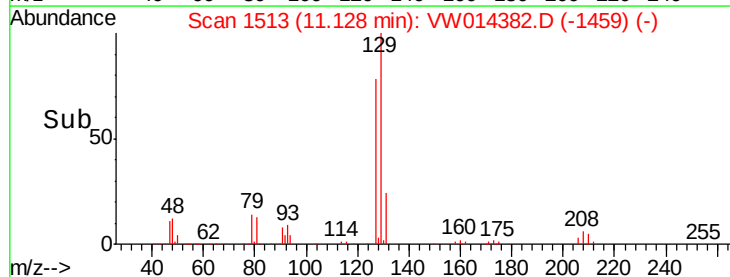
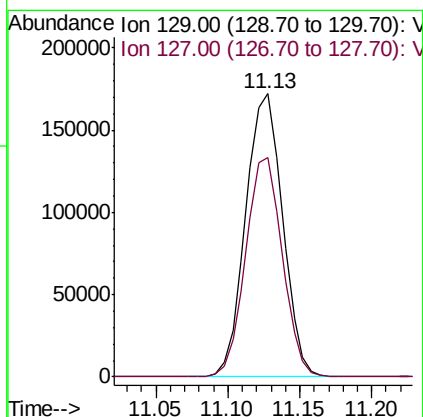
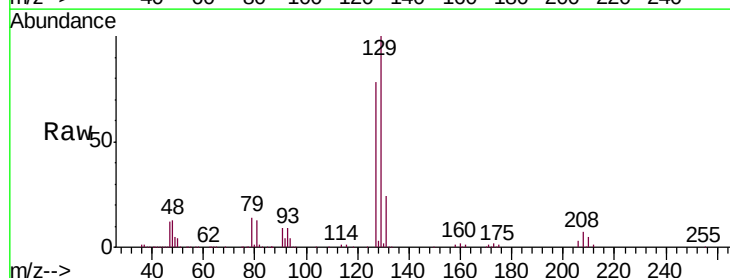
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

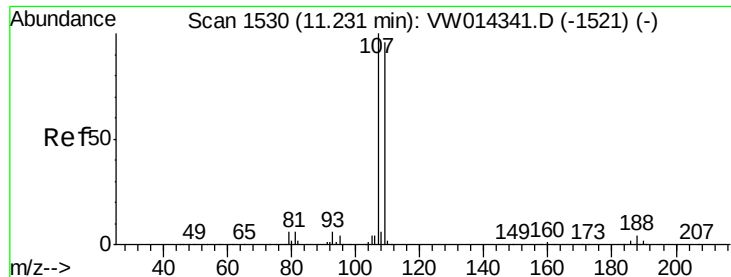
Tgt Ion: 43 Resp: 342939
Ion Ratio Lower Upper
43 100
58 55.3 44.4 66.6
57 19.2 16.5 24.7
100 12.4 11.1 16.7



#50
Dibromochloromethane
Concen: 23.285 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion: 129 Resp: 305875
Ion Ratio Lower Upper
129 100
127 77.6 54.9 102.1

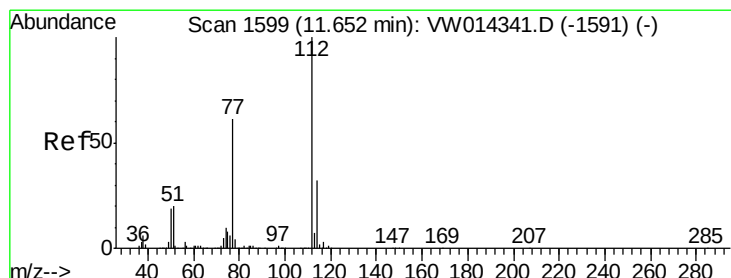
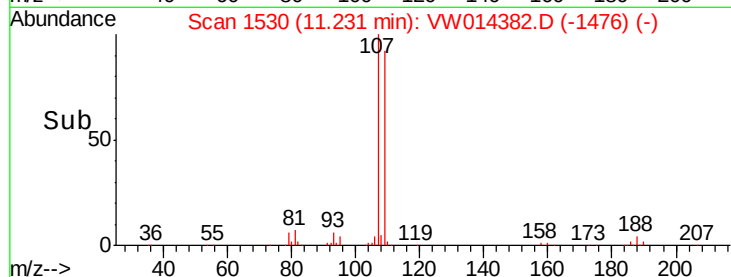
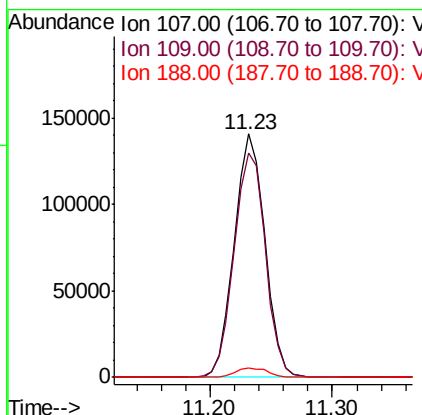
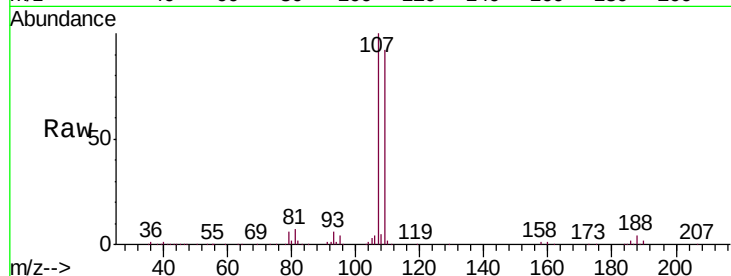




#51
1,2-Dibromoethane
Concen: 22.106 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

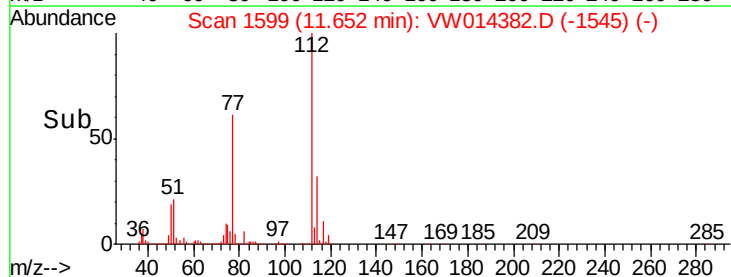
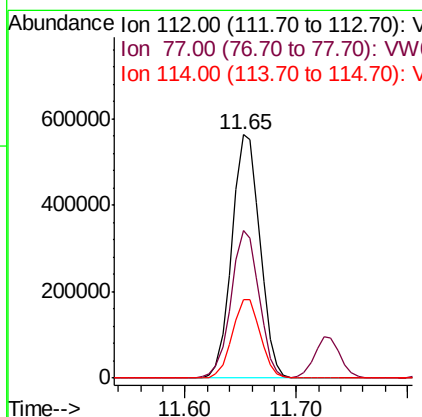
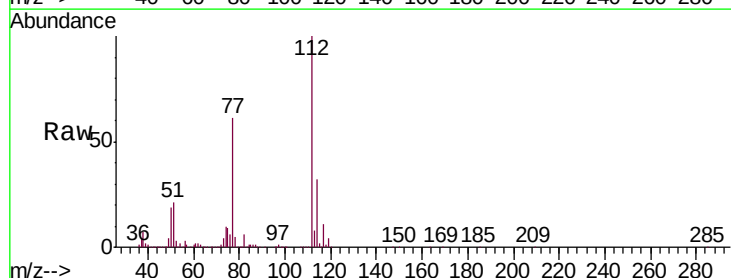
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

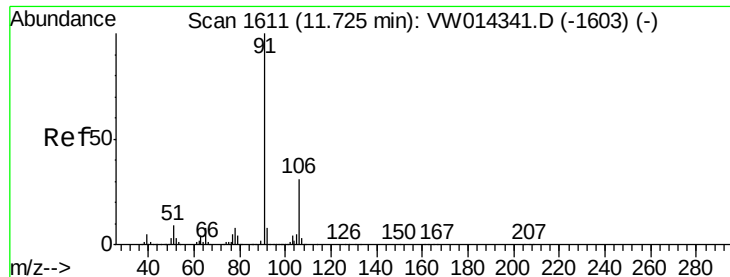
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	64.6	120.0
188	4.0	3.9	5.9



#52
Chlorobenzene
Concen: 23.896 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.5	42.2	63.4
114	32.4	22.5	41.9





#53

Ethylbenzene

Concen: 25.918 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

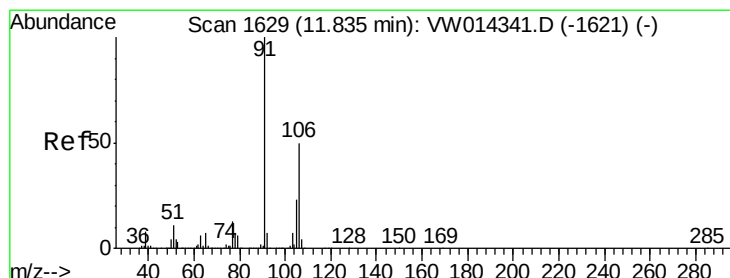
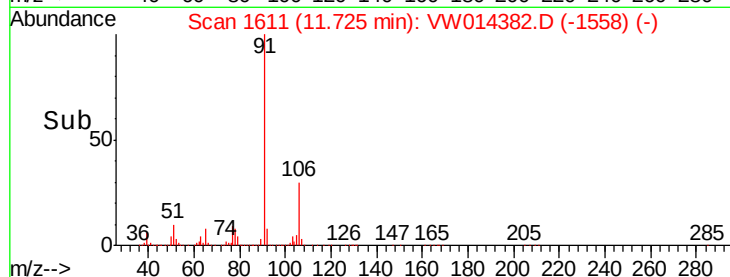
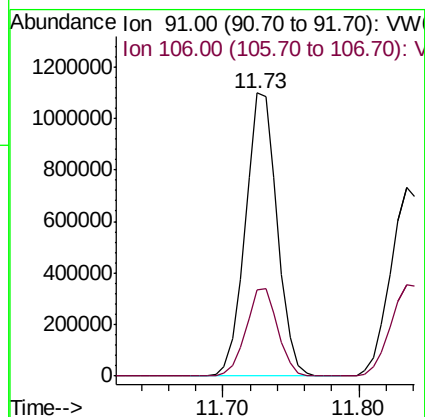
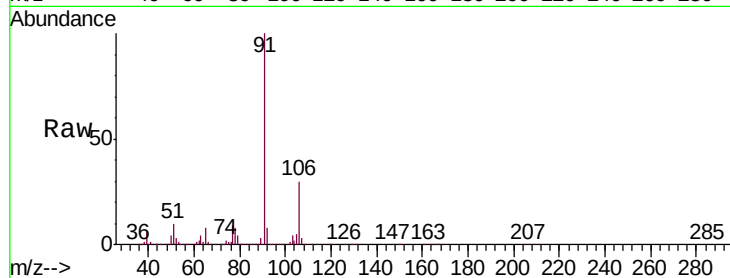
VSTD02522

Tgt Ion: 91 Resp: 1792516

Ion Ratio Lower Upper

91 100

106 30.4 22.3 41.5



#54

m,p-Xylene

Concen: 25.234 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014382.D

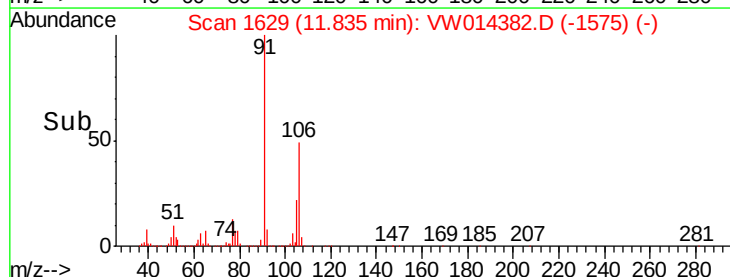
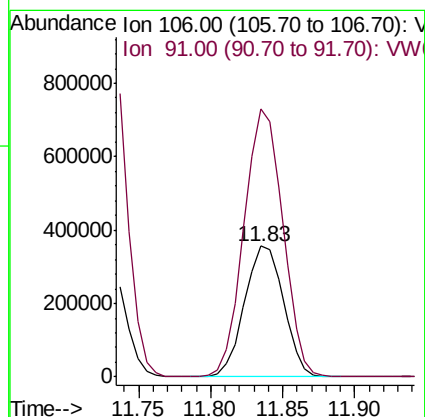
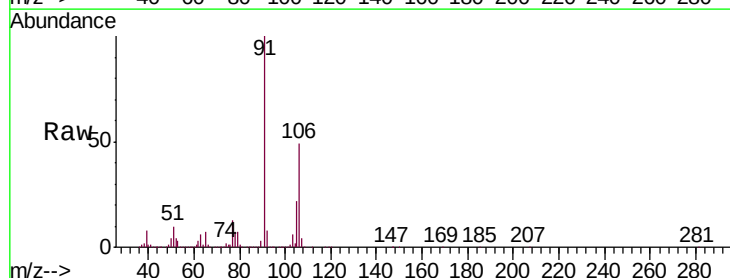
Acq: 17 Dec 2019 09:59

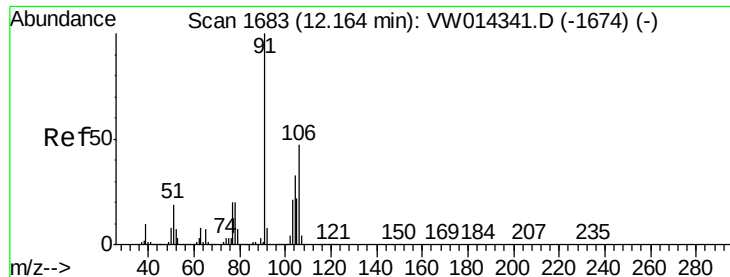
Tgt Ion: 106 Resp: 671346

Ion Ratio Lower Upper

106 100

91 205.2 138.7 257.5

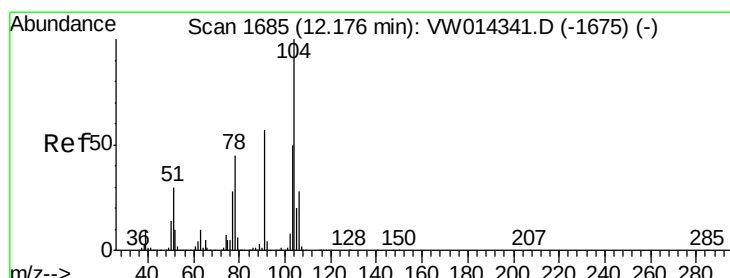
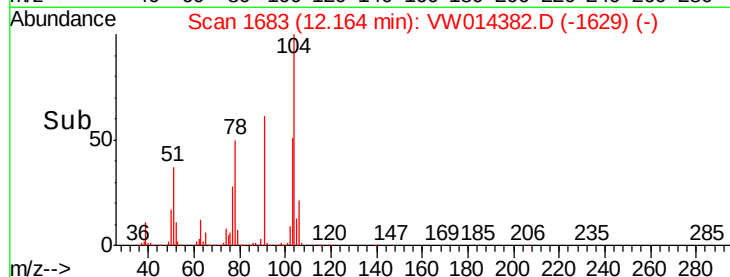
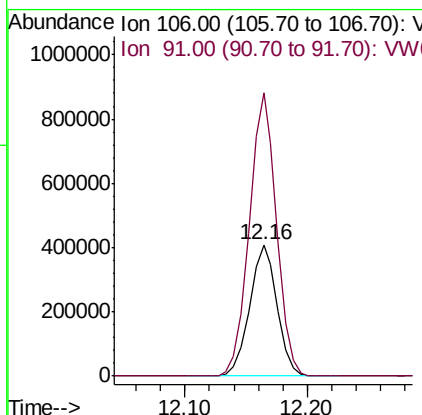
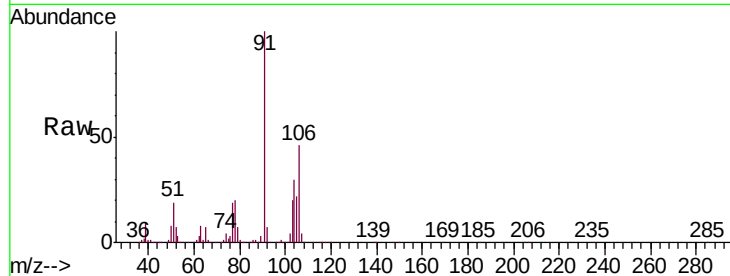




#55
o-xylene
Concen: 25.221 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

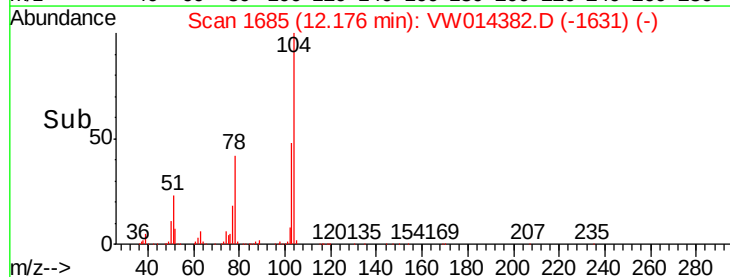
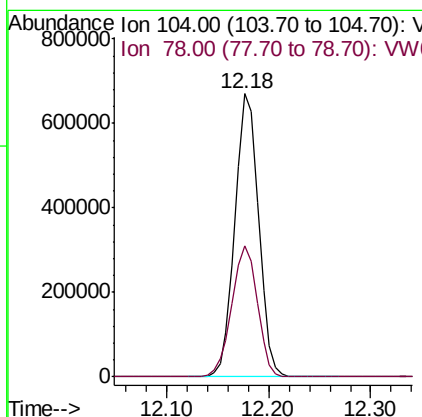
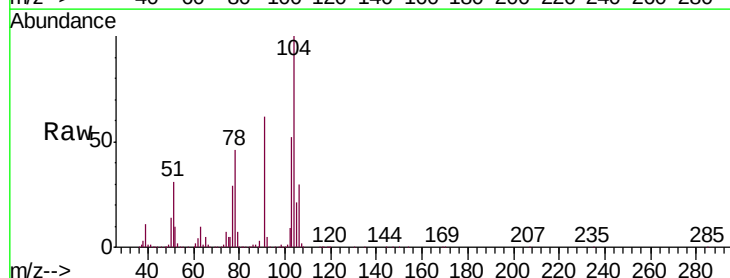
Instrument :
MSVOA_W
ClientSampleId :
VSTD02522

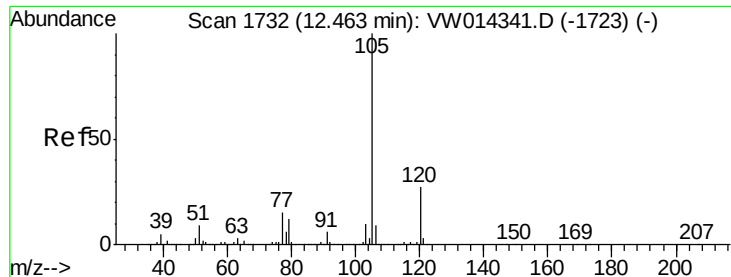
Tgt Ion:106 Resp: 636437
Ion Ratio Lower Upper
106 100
91 215.7 148.3 275.5



#56
Styrene
Concen: 24.853 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014382.D
Acq: 17 Dec 2019 09:59

Tgt Ion:104 Resp: 1072913
Ion Ratio Lower Upper
104 100
78 46.4 30.6 56.8





#57

Isopropylbenzene

Concen: 26.304 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

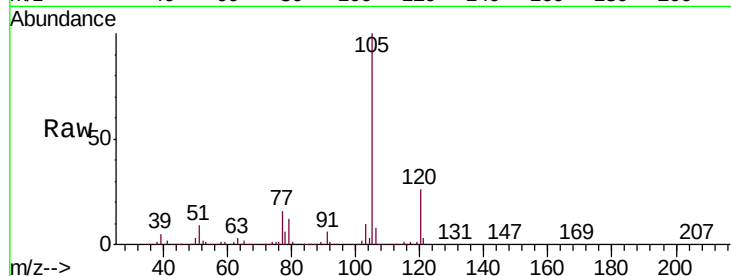
Tgt Ion: 105 Resp: 1723240

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

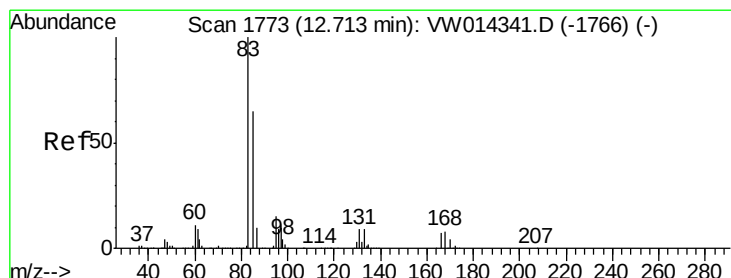
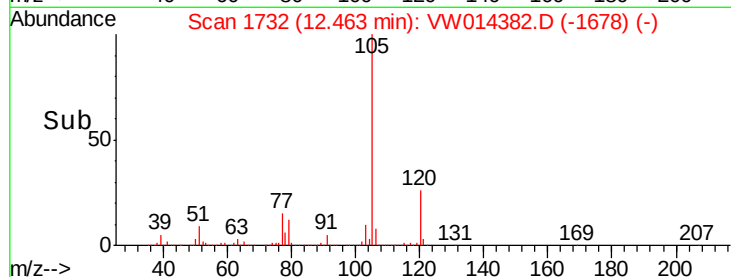
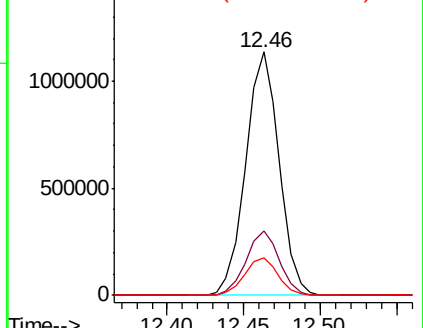
77 15.5 11.6 17.4



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: 21.638 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

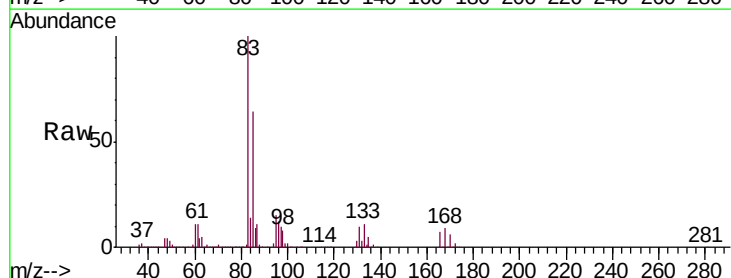
Tgt Ion: 83 Resp: 314339

Ion Ratio Lower Upper

83 100

85 64.0 43.7 81.1

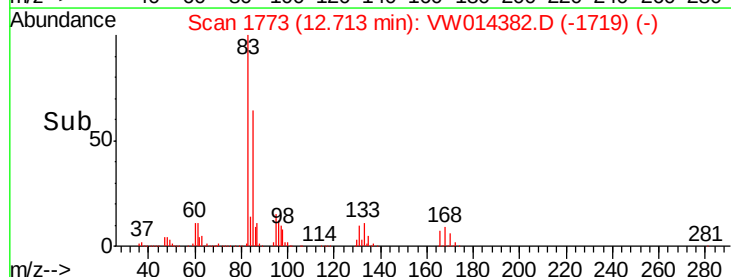
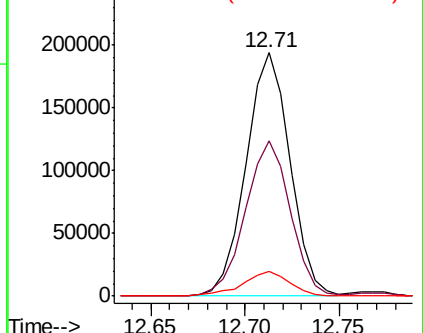
131 10.3 8.2 12.2

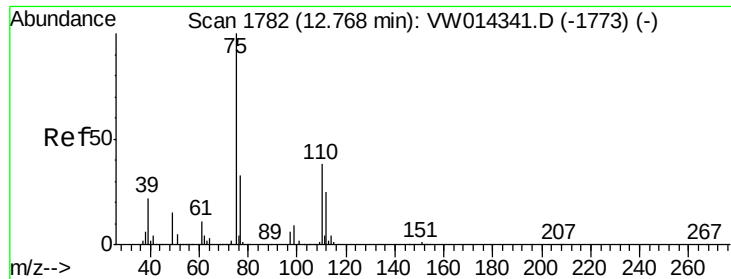


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.777 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

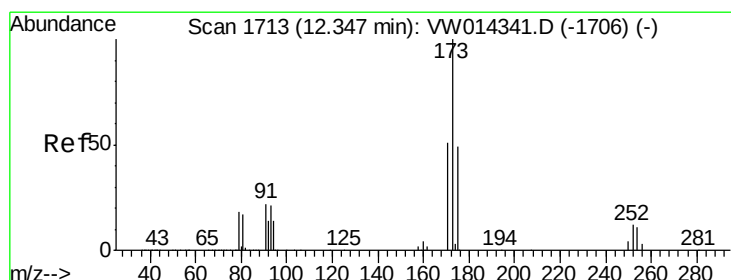
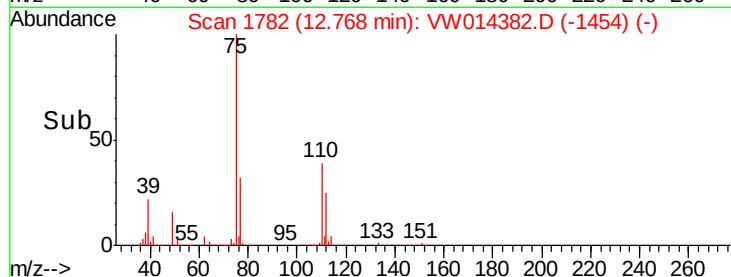
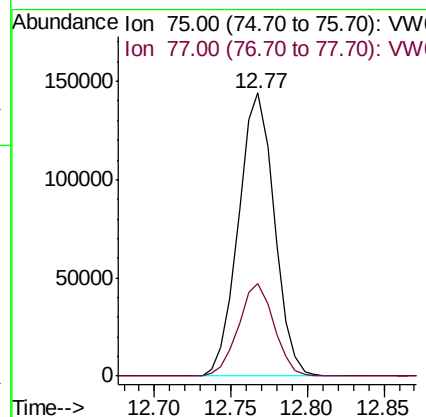
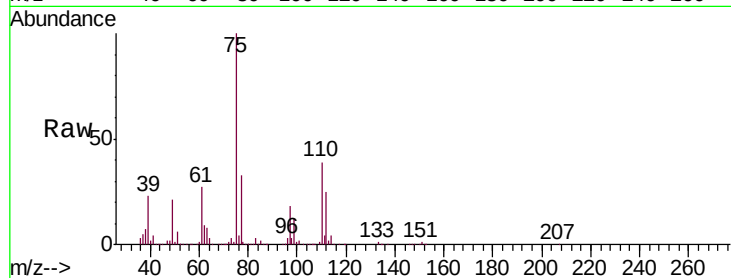
VSTD02522

Tgt Ion: 75 Resp: 235065

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 21.676 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

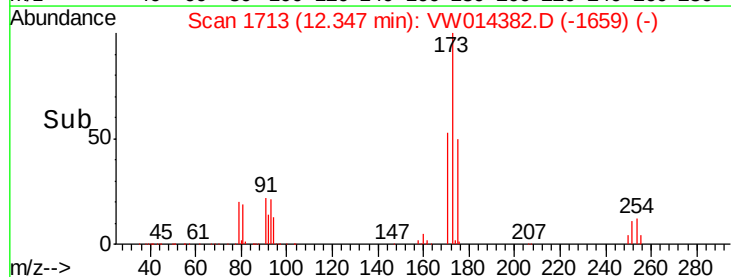
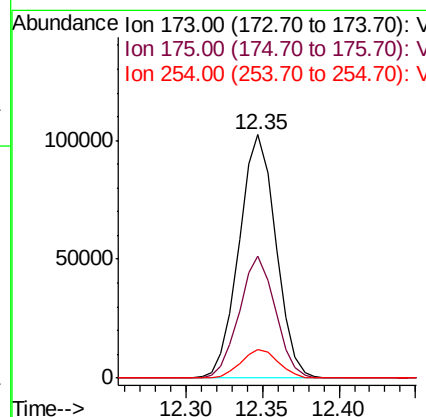
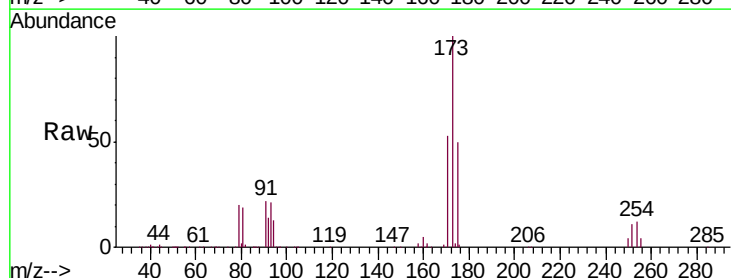
Tgt Ion: 173 Resp: 171742

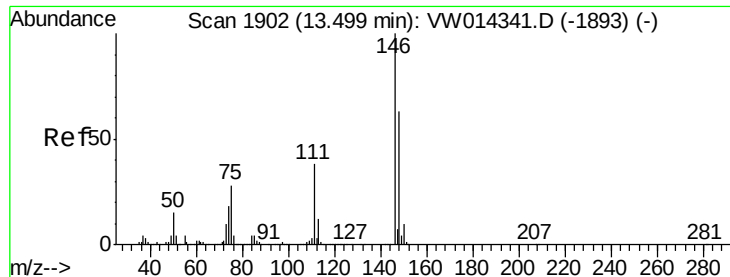
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 11.9 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 23.966 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

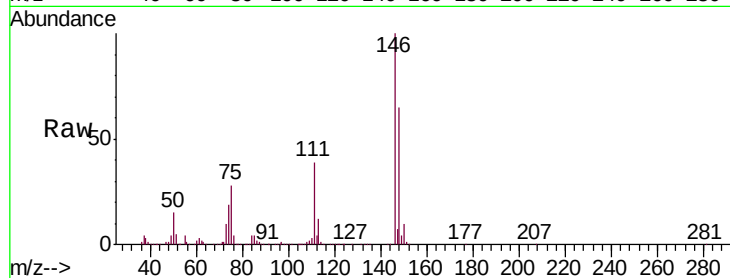
Tgt Ion:146 Resp: 751979

Ion Ratio Lower Upper

146 100

111 38.7 26.0 48.2

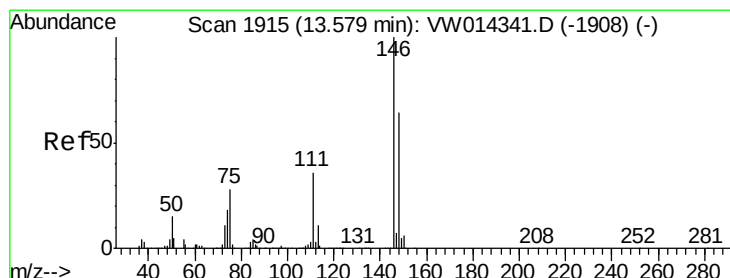
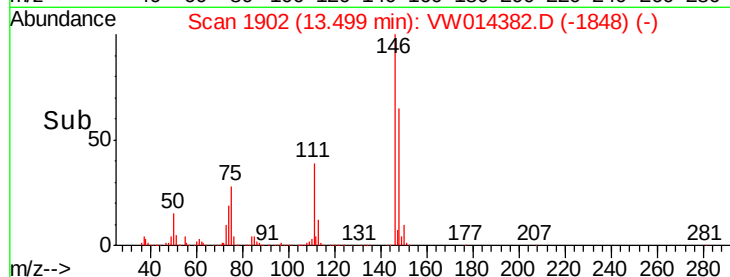
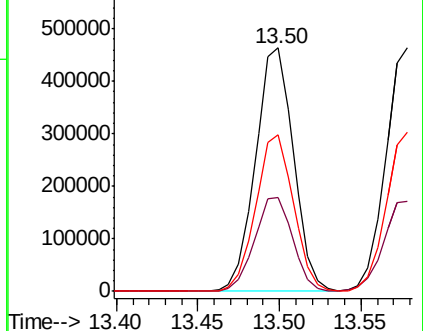
148 64.6 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.139 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

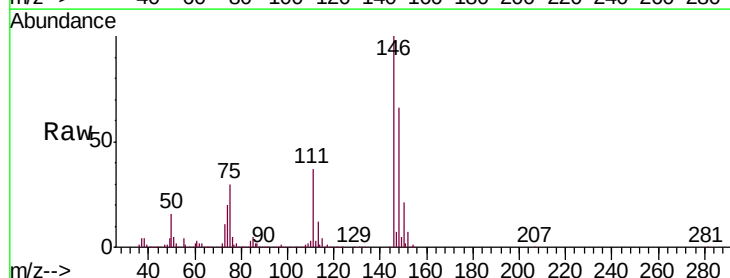
Tgt Ion:146 Resp: 737660

Ion Ratio Lower Upper

146 100

111 36.9 24.9 46.3

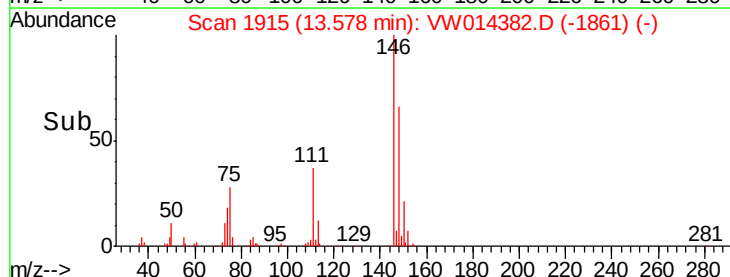
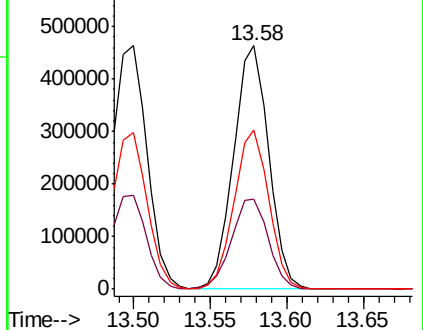
148 65.6 43.9 81.5

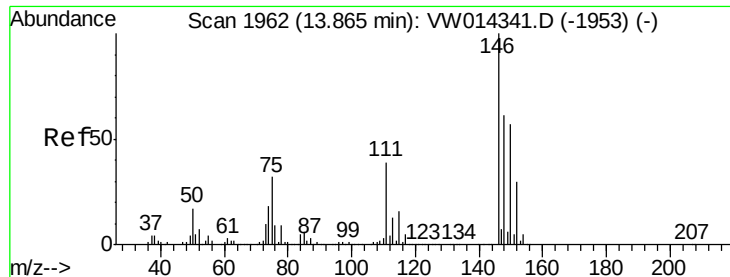


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.343 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

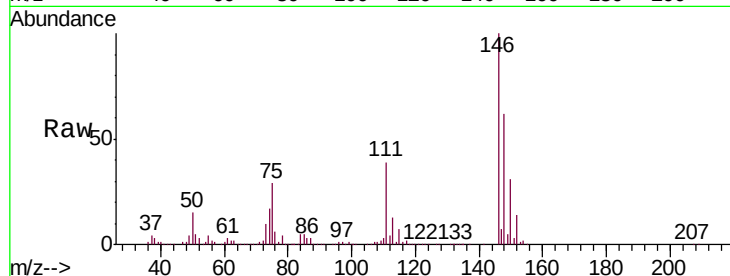
Tgt Ion:146 Resp: 681118

Ion Ratio Lower Upper

146 100

111 39.1 30.5 45.7

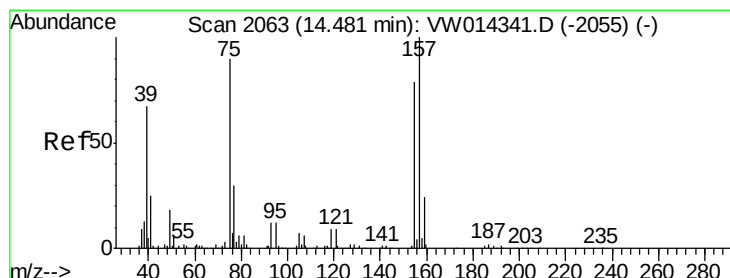
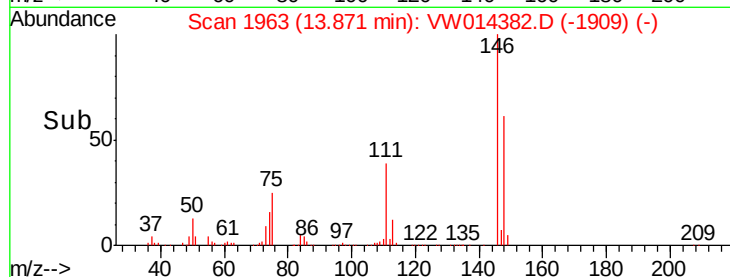
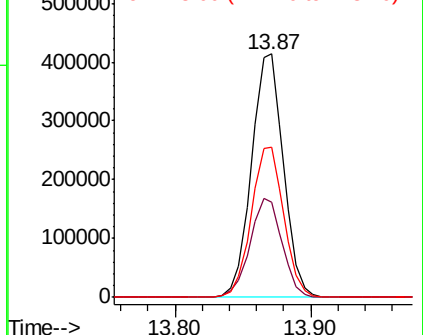
148 61.6 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.654 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

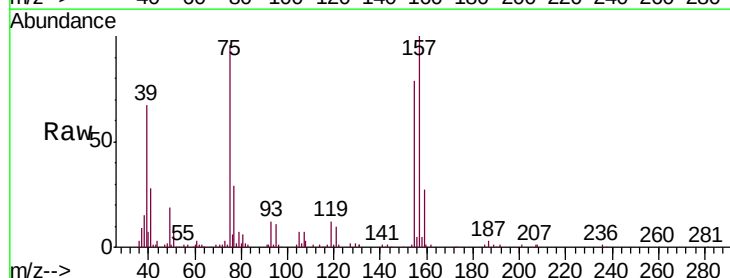
Tgt Ion: 75 Resp: 46490

Ion Ratio Lower Upper

75 100

157 104.5 96.9 145.3

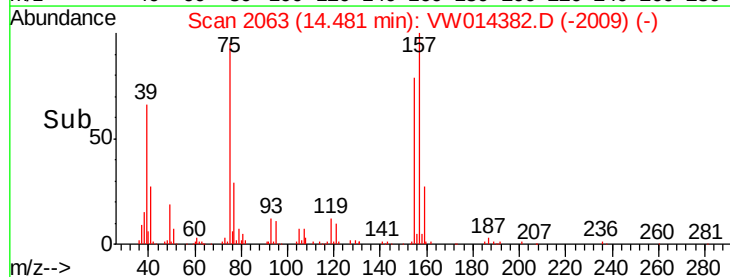
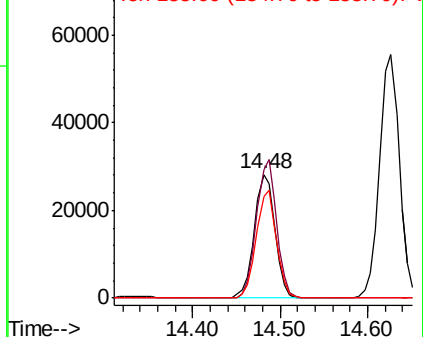
155 82.2 82.9 124.3#

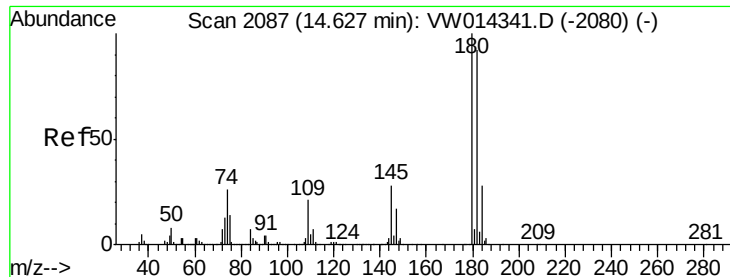


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

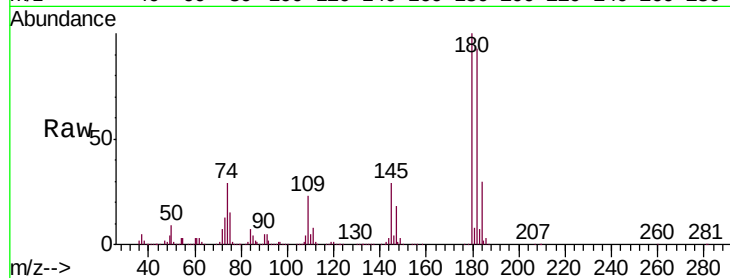




#67
 1,3,5-Trichlorobenzene
 Concen: 24.317 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
184	30.5	24.3	36.5
145	28.8	21.9	32.9



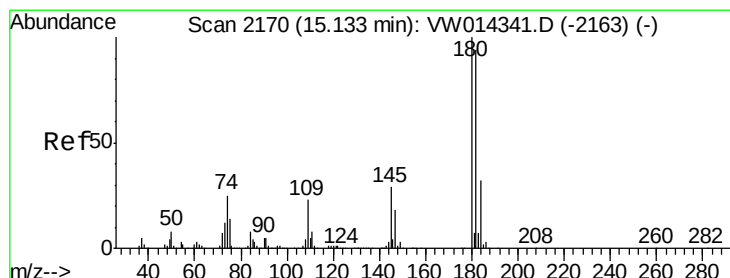
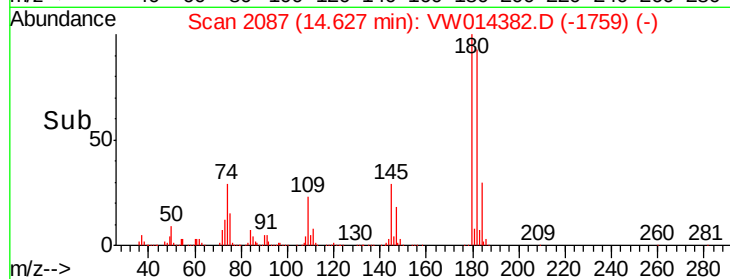
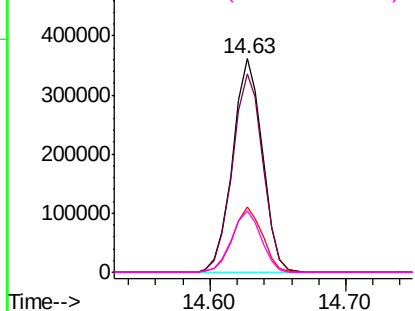
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

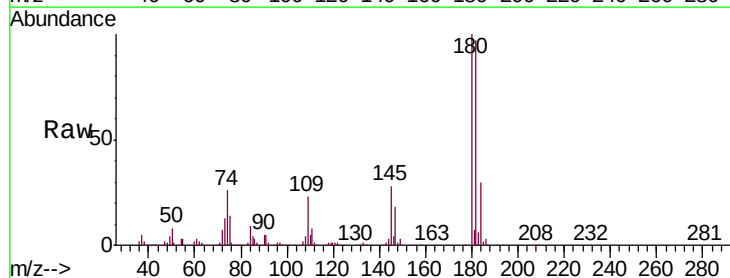
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.900 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014382.D
 Acq: 17 Dec 2019 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	29.1	22.4	33.6

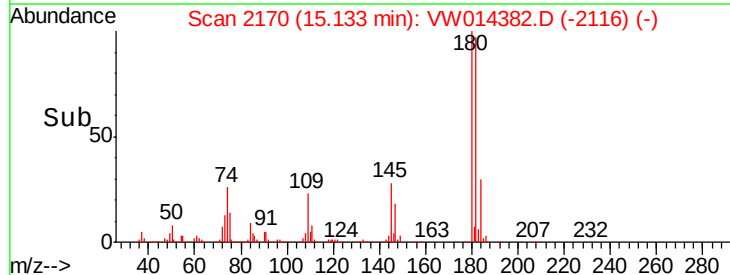
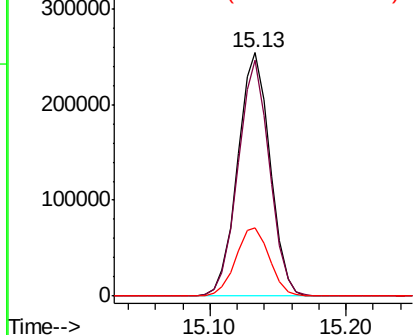


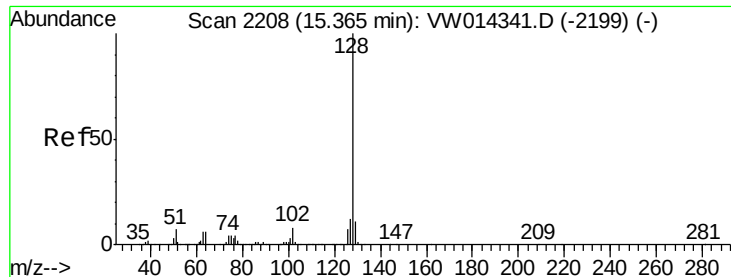
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 21.782 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

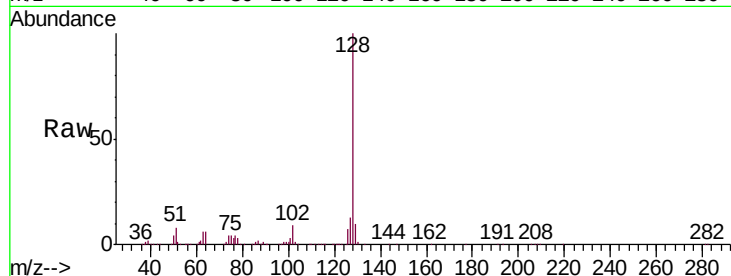
Tgt Ion:128 Resp: 720876

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

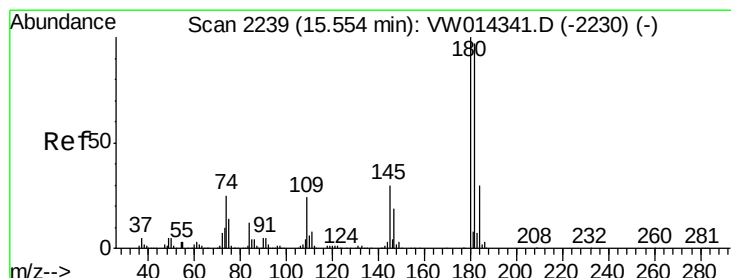
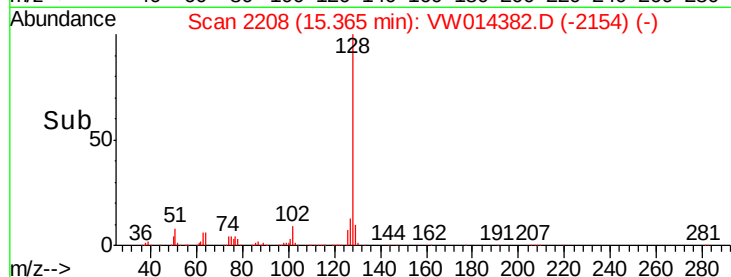
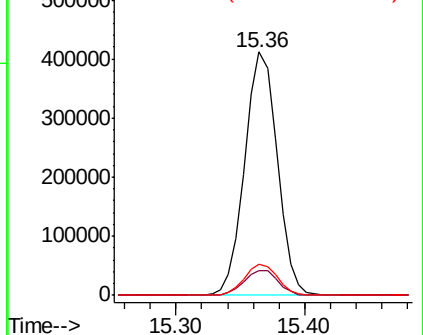
127 13.0 10.4 15.6



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: 23.015 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014382.D

Acq: 17 Dec 2019 09:59

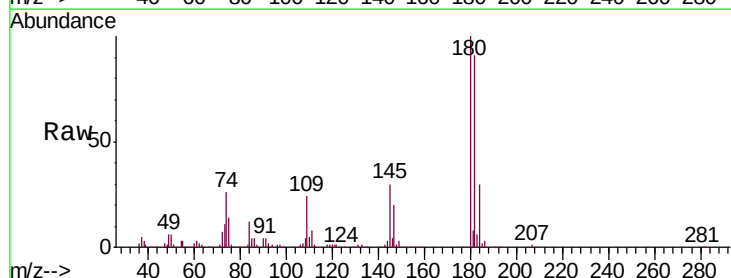
Tgt Ion:180 Resp: 379823

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

145 30.3 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

