

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\
 Data File : VW014661.D
 Acq On : 15 Jan 2020 19:41
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Jan 16 01:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 01:18:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1075784	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	946946	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	470980	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	310566	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.92%
7) Chloroethane-d5	2.89	69	264479	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
10) 1,1-Dichloroethene-d2	4.02	63	645677	23.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.12%
20) 2-Butanone-d5	7.07	46	213800	59.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.50%
24) Chloroform-d	7.65	84	611322	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	8.31	65	314812	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.04%
29) Benzene-d6	8.27	84	1312965	26.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.28%
33) 1,2-Dichloropropane-d6	9.27	67	397922	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.12%
37) Toluene-d8	10.32	98	1195974	26.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.80%
38) trans-1,3-Dichloropropene-	10.57	79	161811	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.48%
39) 2-Hexanone-d5	10.92	63	167287	64.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	328830	28.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	416702	26.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	220412	22.903	ug/L 96
3) Chloromethane	2.21	50	229742	21.116	ug/L 98
5) Vinyl chloride	2.36	62	394807	25.503	ug/L 98
6) Bromomethane	2.78	94	232287	25.696	ug/L 100
8) Chloroethane	2.92	64	227334	26.261	ug/L 99
9) Trichlorofluoromethane	3.26	101	186390	22.763	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	365059	25.970	ug/L 100
12) 1,1-Dichloroethene	4.04	96	361215	26.242	ug/L 91
13) Acetone	4.12	43	192140	38.456	ug/L 96
14) Carbon disulfide	4.39	76	1052403	24.764	ug/L 99
15) Methyl Acetate	4.67	43	196863	29.199	ug/L 99
16) Methylene chloride	4.92	84	381970	21.774	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	535455	30.222	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	376675	25.977	ug/L 98
19) 1,1-Dichloroethane	6.21	63	677954	25.865	ug/L 98
21) 2-Butanone	7.17	43	271890	50.720	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	411093	26.934	ug/L 96

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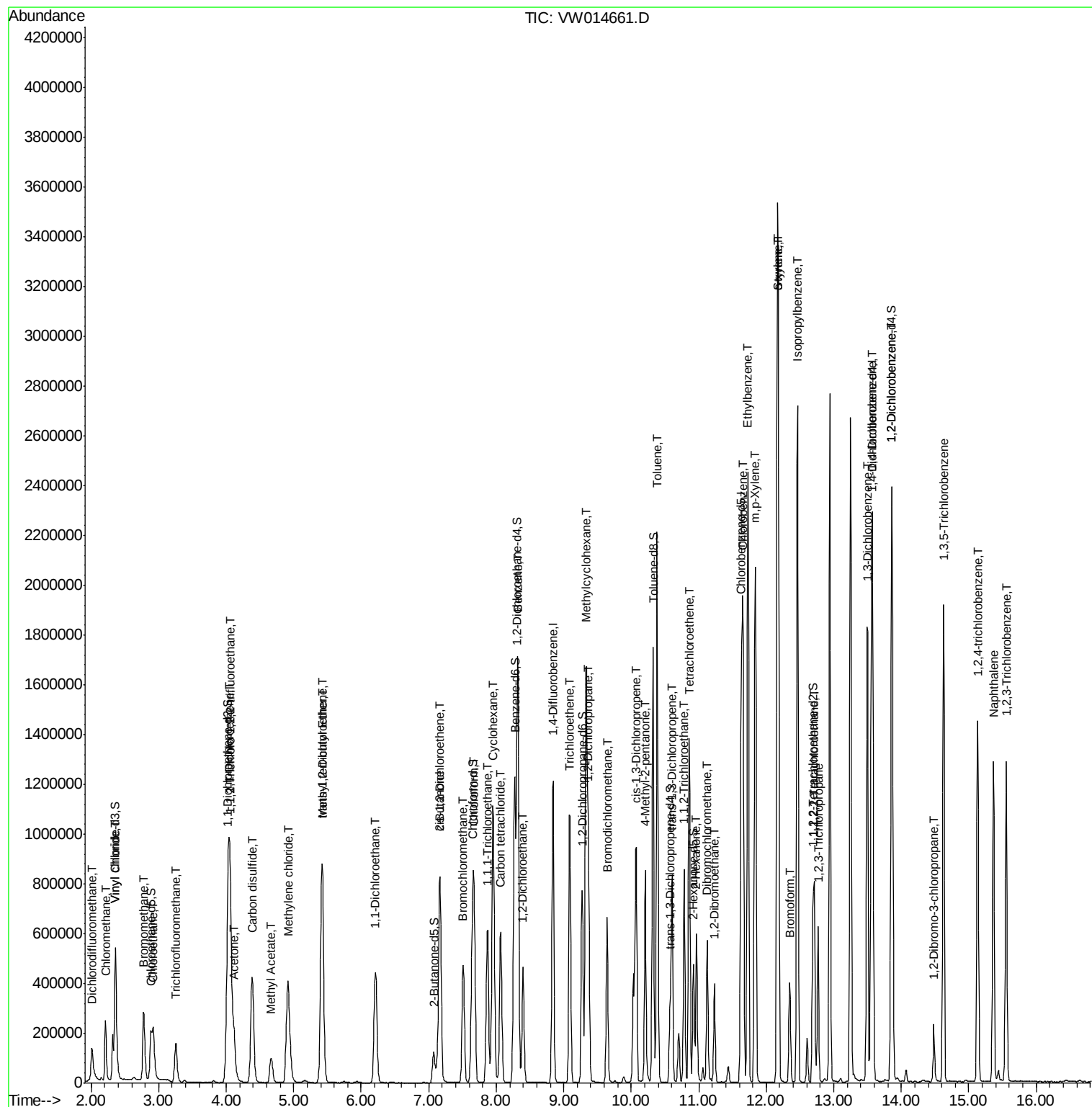
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	179780	27.209	ug/L	94
25) Chloroform	7.67	83	656690	26.193	ug/L	99
27) 1,2-Dichloroethane	8.40	62	415485	25.529	ug/L	100
30) Cyclohexane	7.95	56	675418	27.884	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	511333	26.324	ug/L	99
32) Carbon tetrachloride	8.07	117	470448	25.994	ug/L	99
34) Benzene	8.32	78	1546793	27.143	ug/L	100
35) Trichloroethene	9.09	95	394006	26.790	ug/L	98
36) Methylcyclohexane	9.34	83	721663	27.969	ug/L	98
40) 1,2-Dichloropropane	9.37	63	383873	26.615	ug/L	100
41) Bromodichloromethane	9.64	83	463529	26.717	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	593100	27.528	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	552902	59.714	ug/L	99
44) Toluene	10.38	91	1652063	27.742	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	472143	27.406	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	283264	27.727	ug/L	97
47) Tetrachloroethene	10.86	164	337106	27.298	ug/L	97
49) 2-Hexanone	10.96	43	389604	61.619	ug/L	99
50) Dibromochloromethane	11.13	129	323179	27.859	ug/L	95
51) 1,2-Dibromoethane	11.23	107	277885	28.815	ug/L	99
52) Chlorobenzene	11.65	112	1030589	27.377	ug/L	97
53) Ethylbenzene	11.73	91	1815696	27.730	ug/L	99
54) m,p-Xylene	11.83	106	699978	28.250	ug/L	99
55) o-xylene	12.16	106	657146	28.078	ug/L	100
56) Styrene	12.18	104	1128571	28.650	ug/L	98
57) Isopropylbenzene	12.46	105	1787082	28.706	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	361600	29.151	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	269190	28.969	ug/L	99
62) Bromoform	12.35	173	191581	27.221	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	820473	27.516	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	801093	26.644	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	746531	27.928	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	58185	29.394	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	646812	29.283	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	522364	31.547	ug/L	100
69) Naphthalene	15.36	128	1099810	38.474	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	478677	31.902	ug/L	100

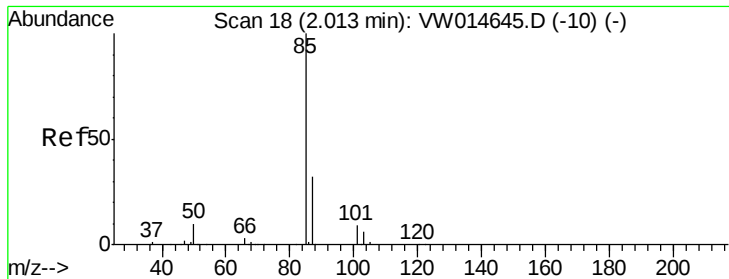
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#2

Dichlorodifluoromethane

Concen: 22.903 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

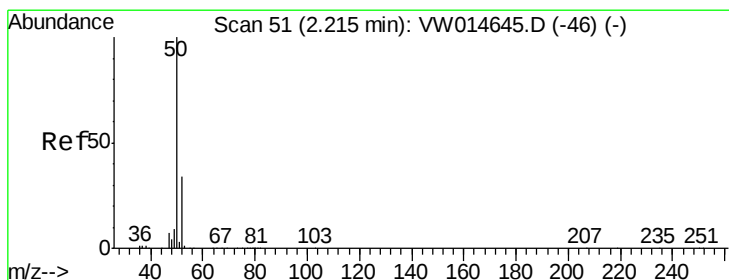
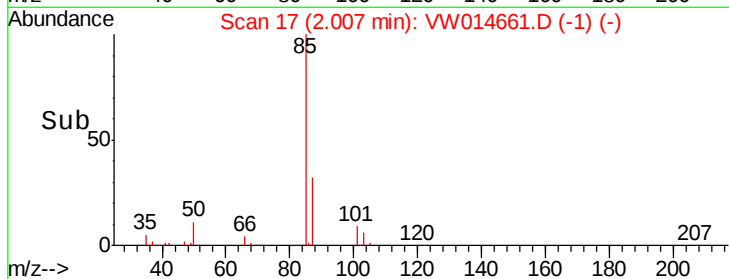
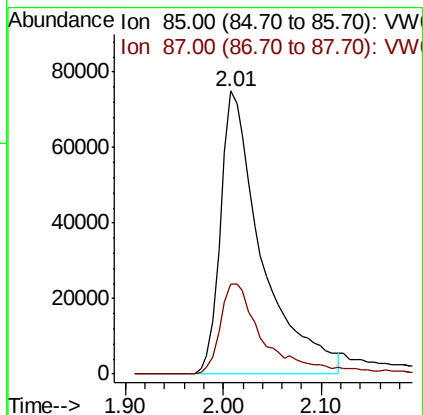
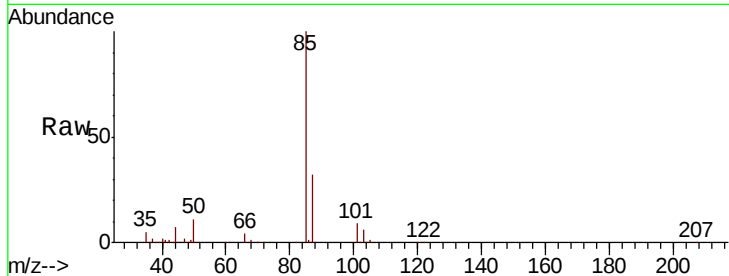
VSTD02515

Tot Ion: 85 Resp: 220412

Ion Ratio Lower Upper

85 100

87 28.4 21.5 39.9



#3

Chloromethane

Concen: 21.116 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014661.D

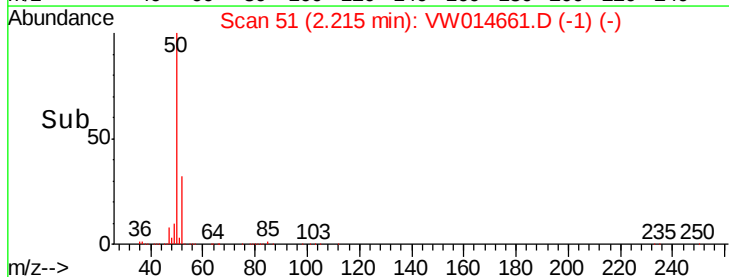
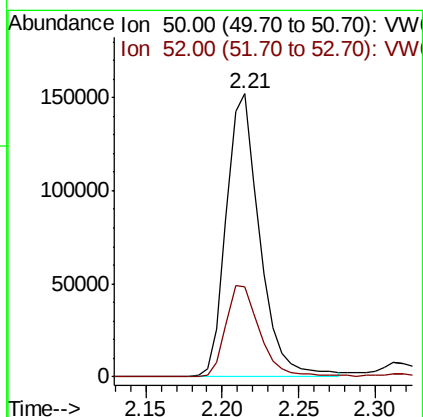
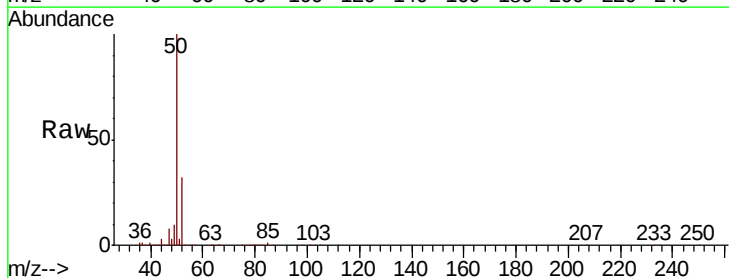
Acq: 15 Jan 2020 19:41

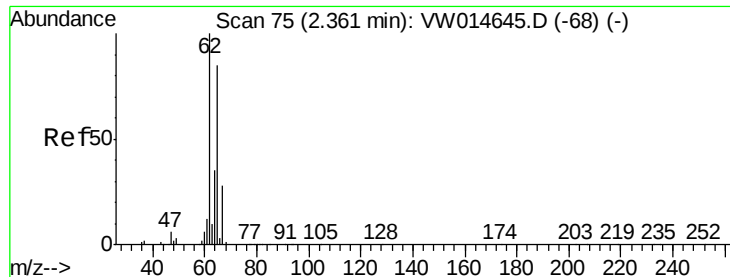
Tgt Ion: 50 Resp: 229742

Ion Ratio Lower Upper

50 100

52 31.7 23.0 42.8





#5

Vinyl chloride

Concen: 25.503 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

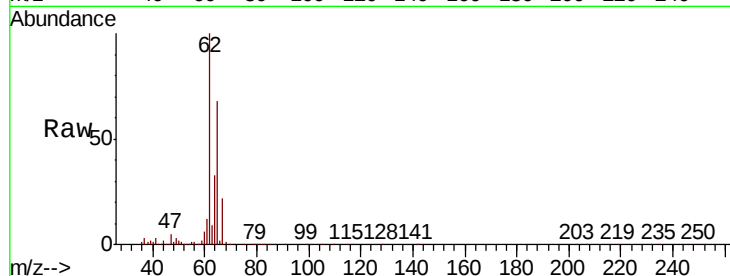
VSTD02515

Tot Ion: 62 Resp: 394807

Ion Ratio Lower Upper

62 100

64 33.2 24.1 44.8



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

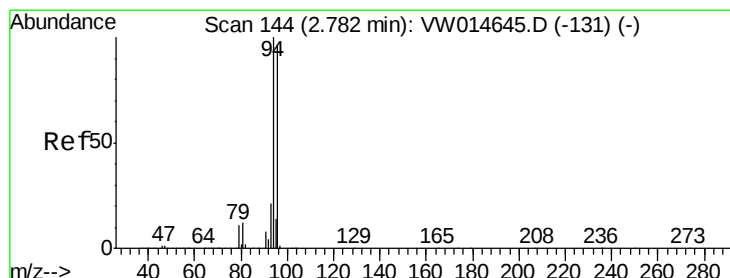
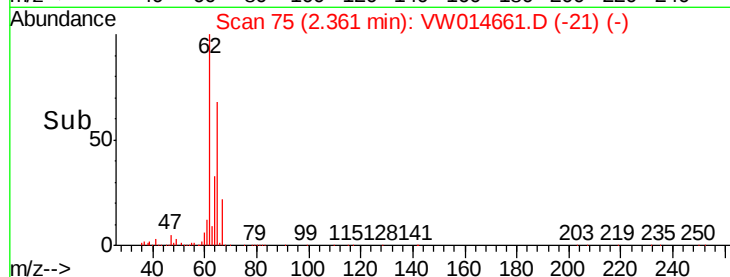
0

Time-->

2.30

2.40

2.50



#6

Bromomethane

Concen: 25.696 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014661.D

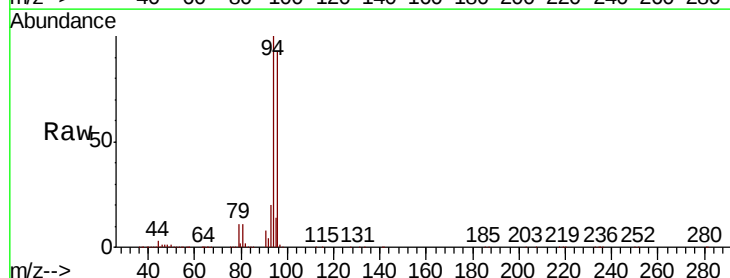
Acq: 15 Jan 2020 19:41

Tgt Ion: 94 Resp: 232287

Ion Ratio Lower Upper

94 100

96 94.1 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

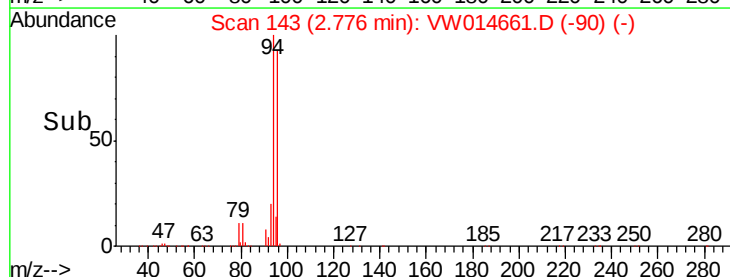
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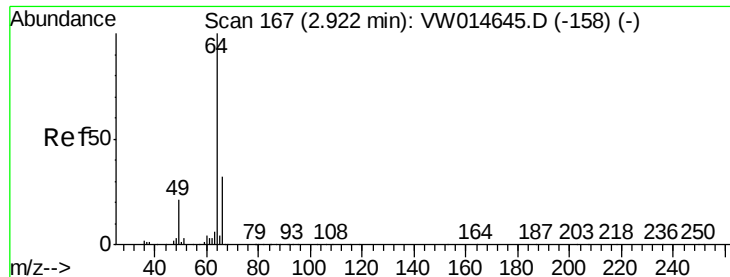
Time-->

2.70

2.80

2.90





#8

Chloroethane

Concen: 26.261 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

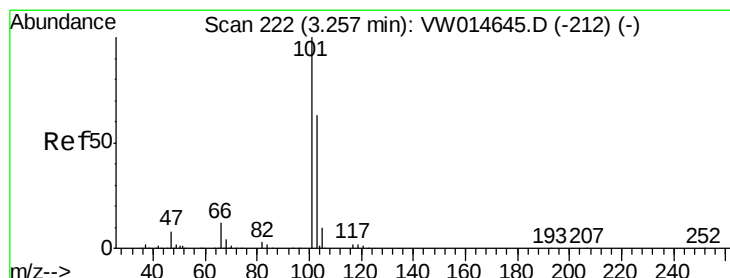
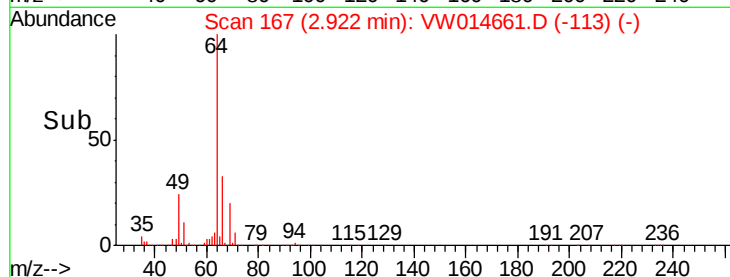
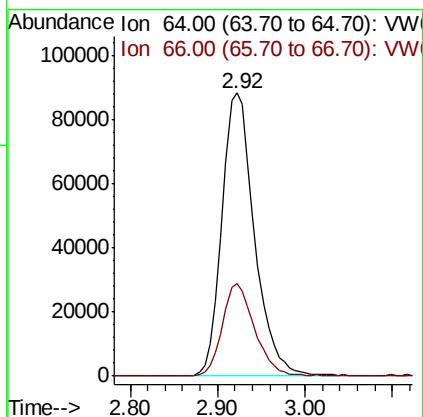
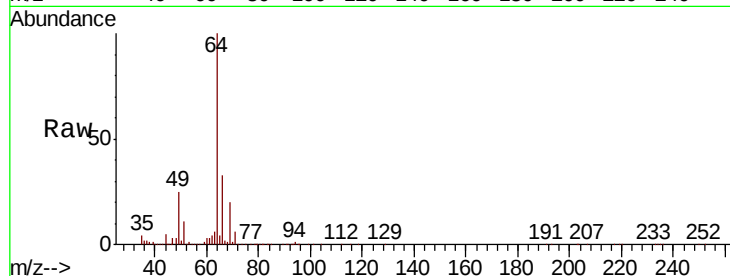
VSTD02515

Tot Ion: 64 Resp: 227334

Ion Ratio Lower Upper

64 100

66 32.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 22.763 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014661.D

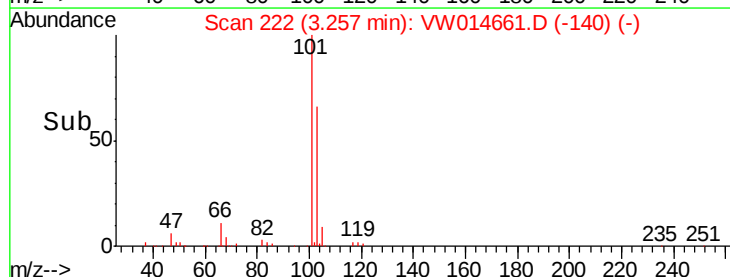
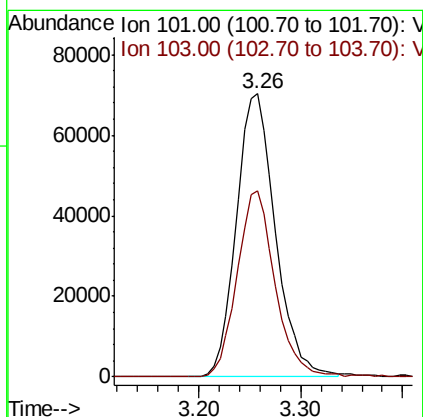
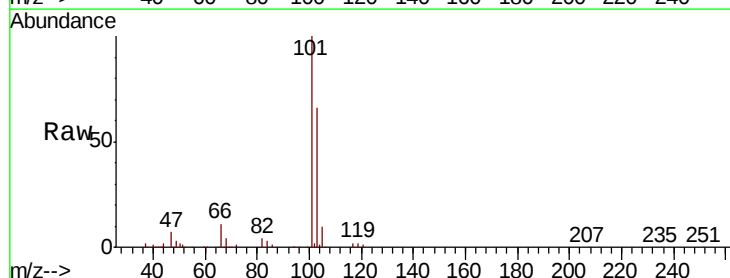
Acq: 15 Jan 2020 19:41

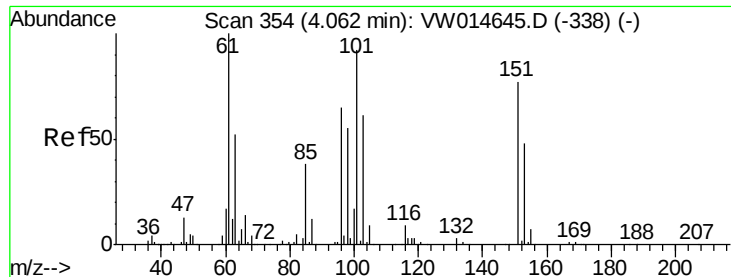
Tgt Ion: 101 Resp: 186390

Ion Ratio Lower Upper

101 100

103 63.8 45.5 84.5





#11

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

Concen: 25.970 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

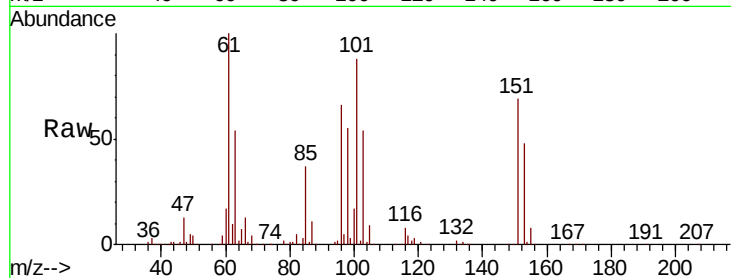
Tot Ion:101 Resp: 365059

Ion Ratio Lower Upper

101 100

85 41.5 33.3 49.9

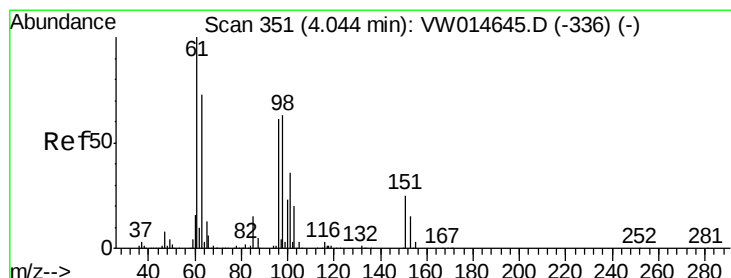
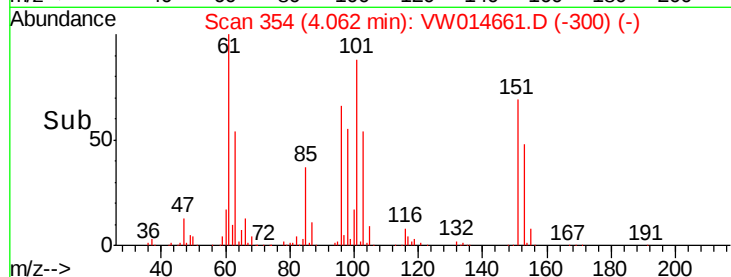
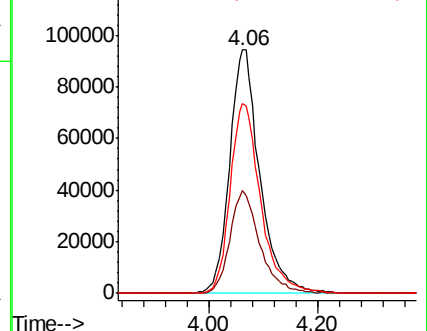
151 78.5 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.242 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

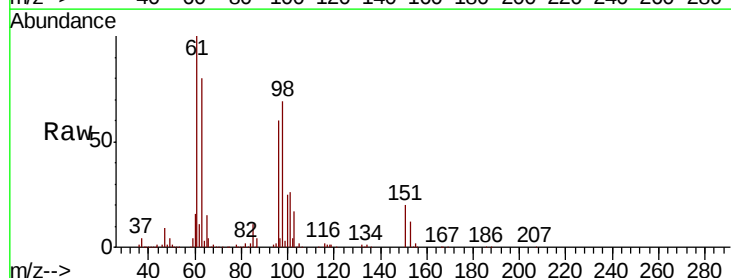
Tgt Ion: 96 Resp: 361215

Ion Ratio Lower Upper

96 100

61 166.6 114.2 212.0

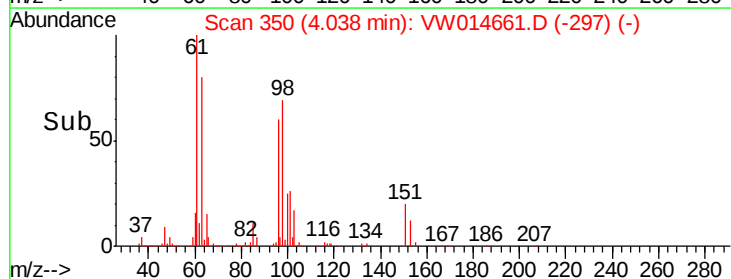
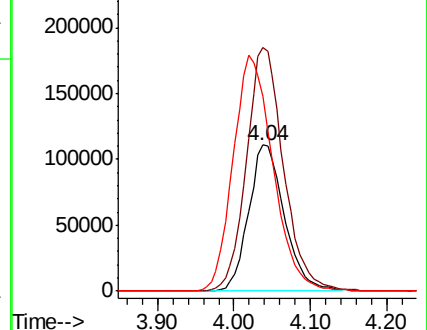
63 133.1 78.6 146.0

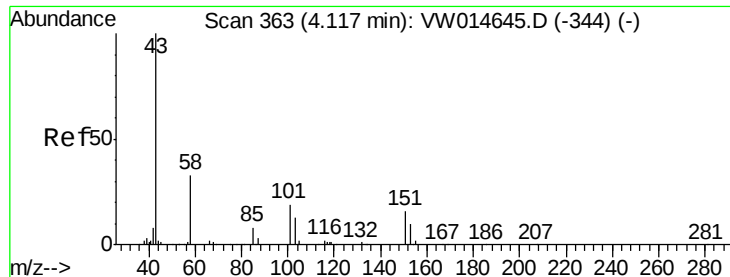


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.456 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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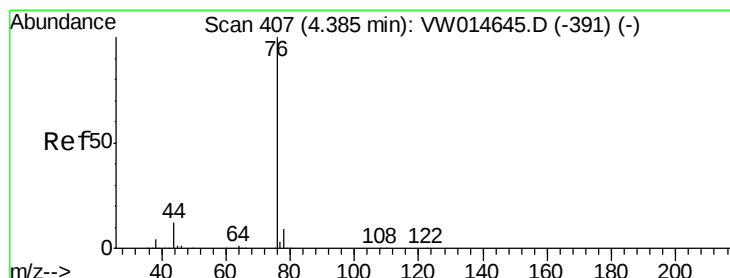
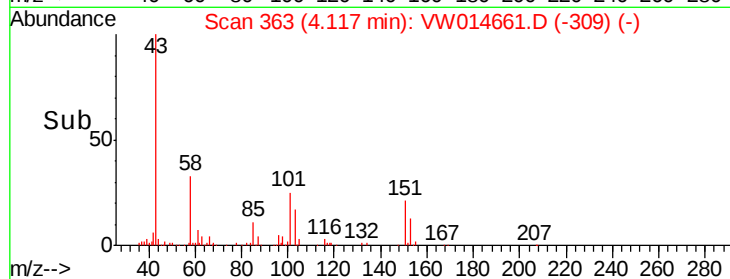
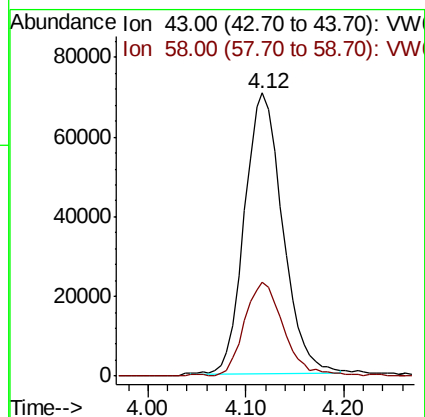
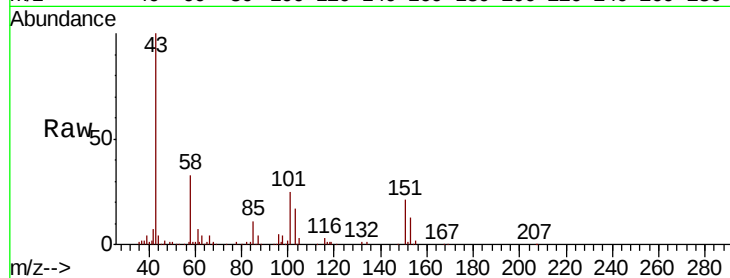
VSTD02515

Tot Ion: 43 Resp: 192140

Ion Ratio Lower Upper

43 100

58 34.2 0.0 64.0



#14

Carbon disulfide

Concen: 24.764 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014661.D

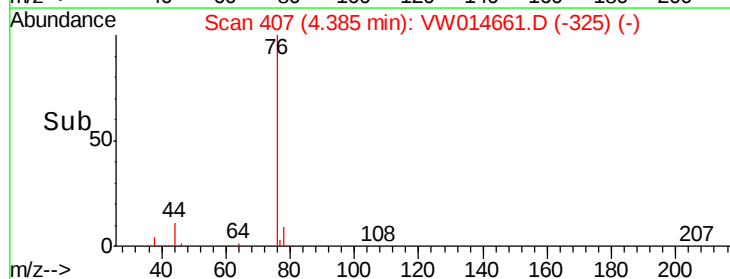
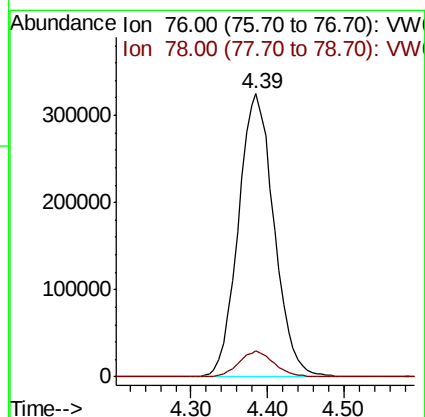
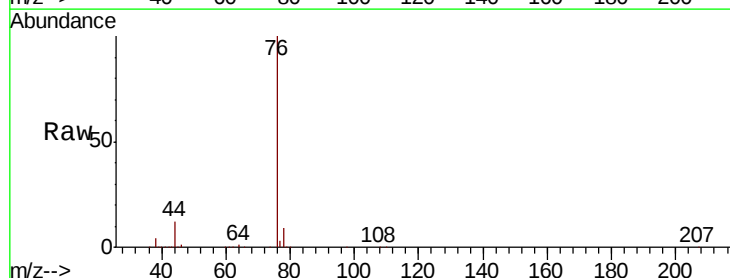
Acq: 15 Jan 2020 19:41

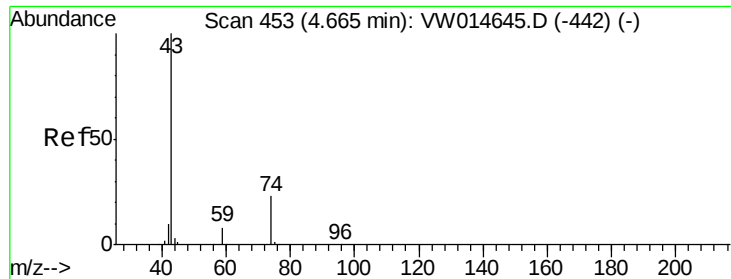
Tgt Ion: 76 Resp: 1052403

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3





#15

Methyl Acetate

Concen: 29.199 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampled :

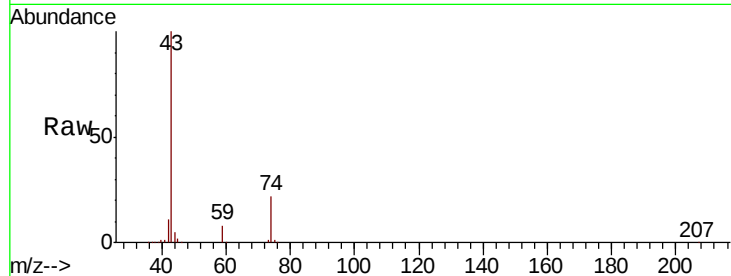
VSTD02515

Tot Ion: 43 Resp: 196863

Ion Ratio Lower Upper

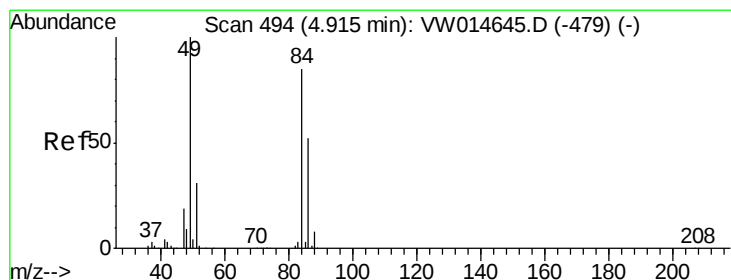
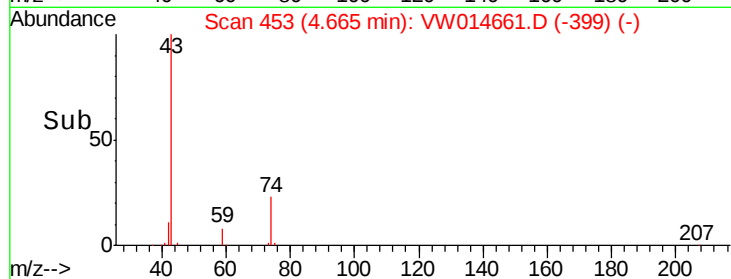
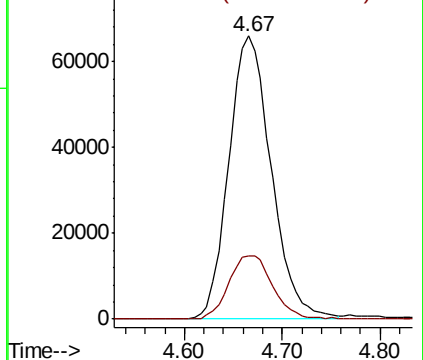
43 100

74 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 21.774 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

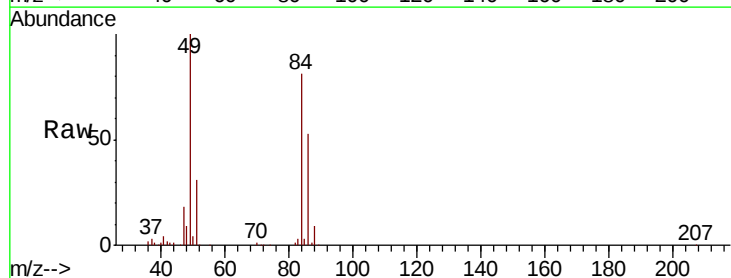
Tgt Ion: 84 Resp: 381970

Ion Ratio Lower Upper

84 100

49 122.8 85.8 159.4

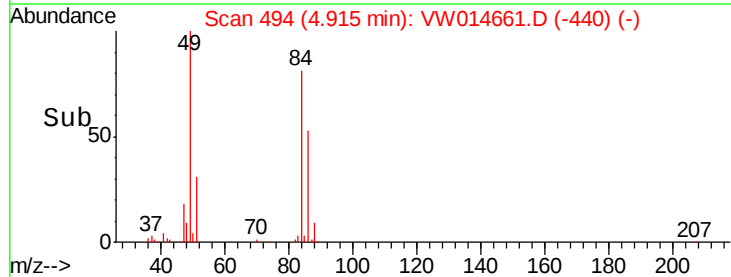
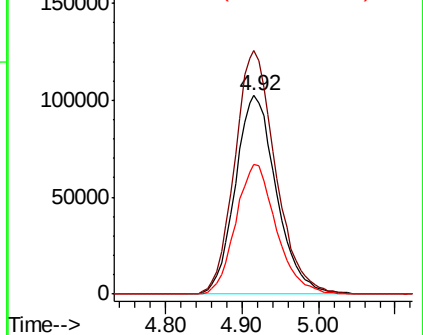
86 65.6 44.5 82.7

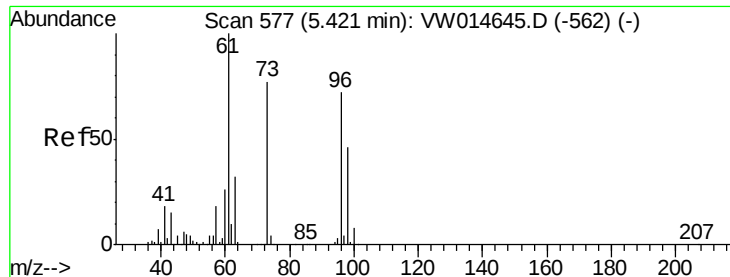


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

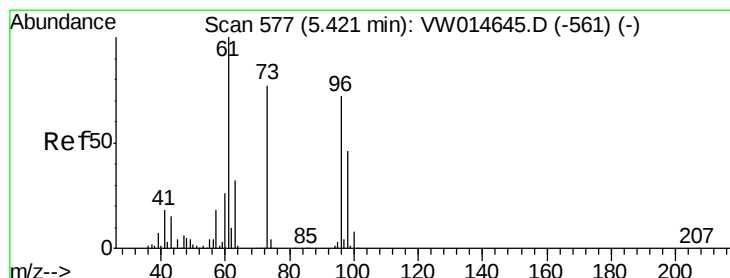
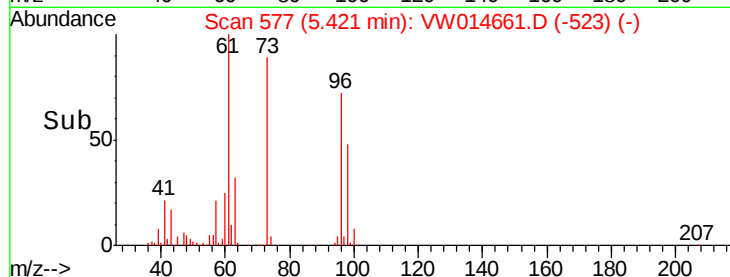
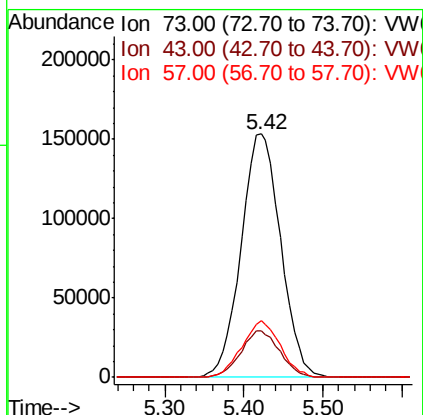
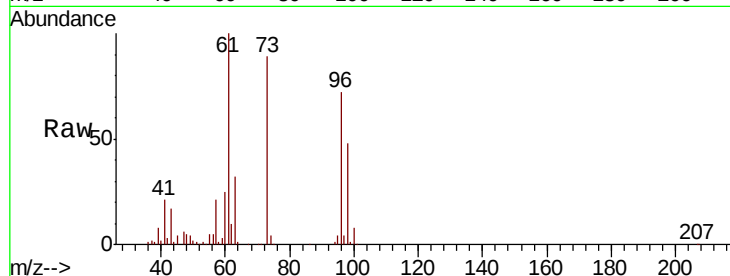




#17
Methvl tert-butvl Ether
Concen: 30.222 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

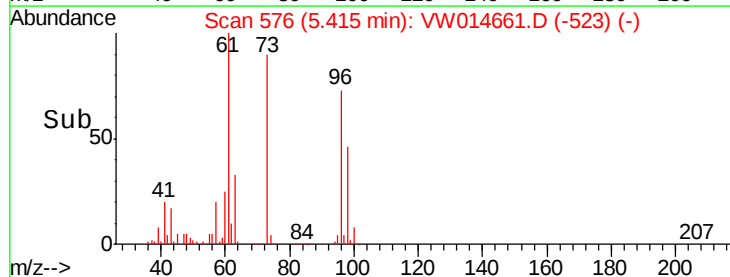
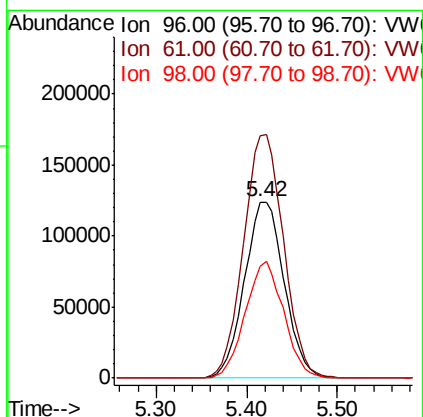
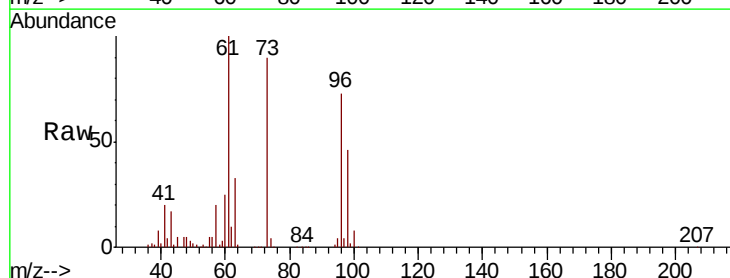
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

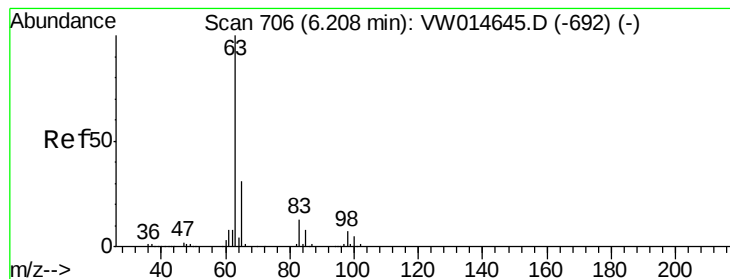
Tot Ion: 73 Resp: 535455
Ion Ratio Lower Upper
73 100
43 18.8 15.7 23.5
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 25.977 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

Tgt Ion: 96 Resp: 376675
Ion Ratio Lower Upper
96 100
61 137.4 98.2 182.4
98 63.1 44.1 81.9





#19

1,1-Dichloroethane

Concen: 25.865 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

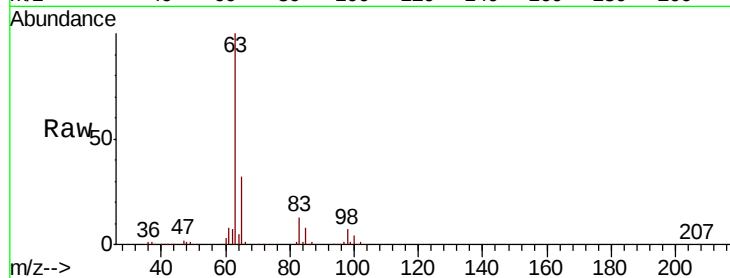
Tot Ion: 63 Resp: 677954

Ion Ratio Lower Upper

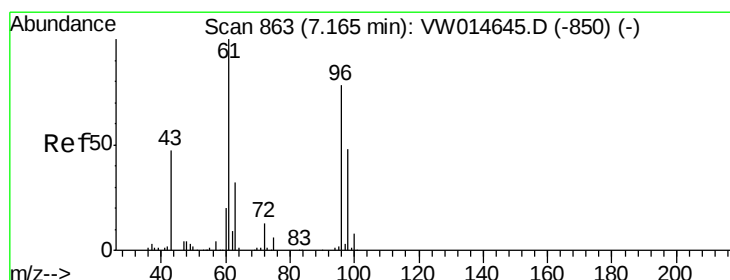
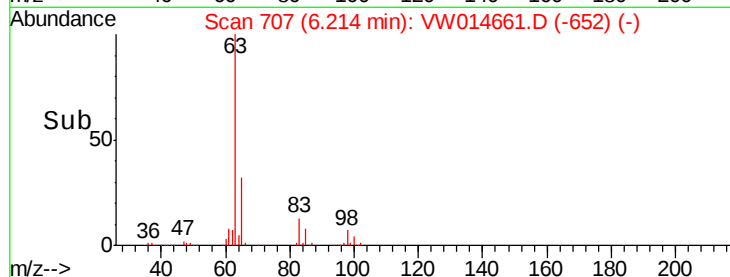
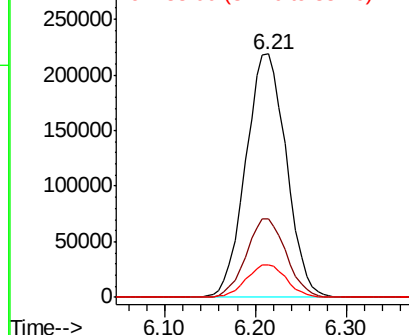
63 100

65 32.2 21.7 40.3

83 13.3 9.0 16.8



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: 50.720 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014661.D

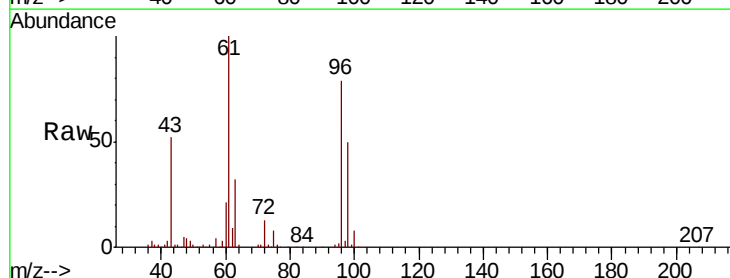
Acq: 15 Jan 2020 19:41

Tgt Ion: 43 Resp: 271890

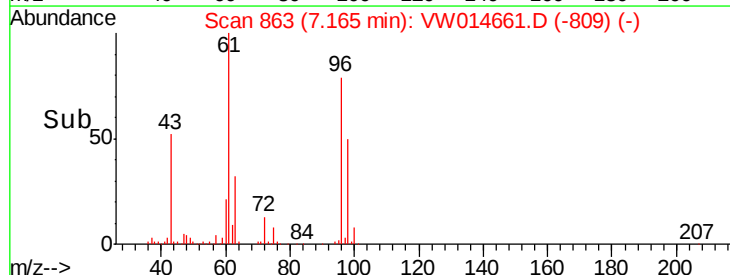
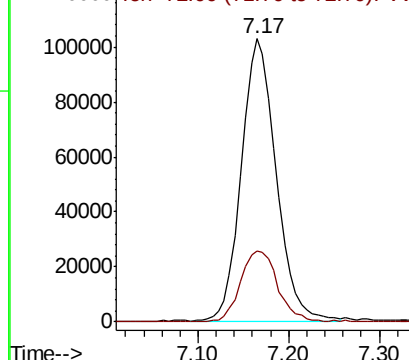
Ion Ratio Lower Upper

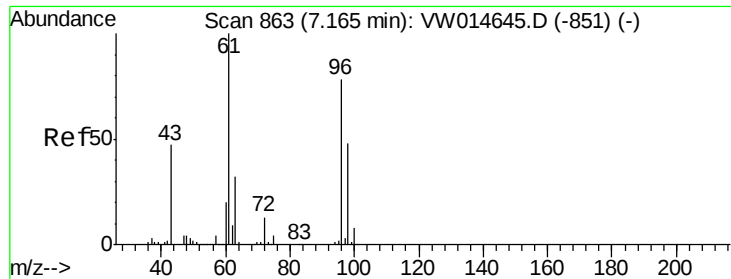
43 100

72 27.1 13.3 39.8



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



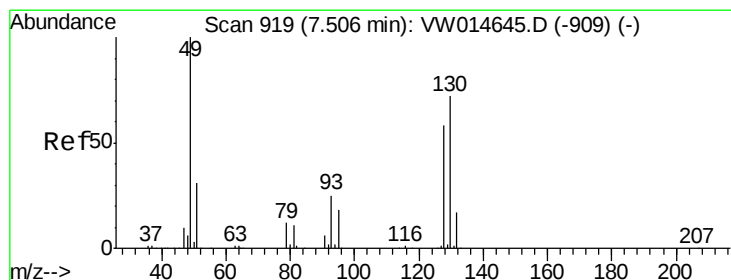
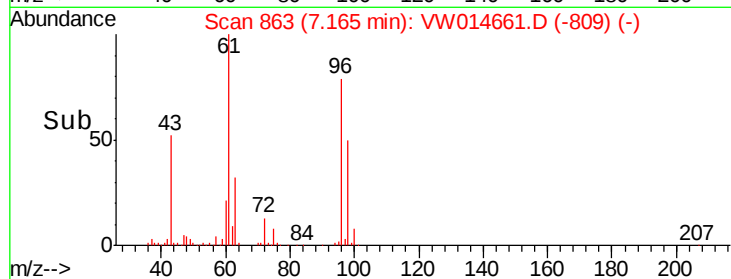
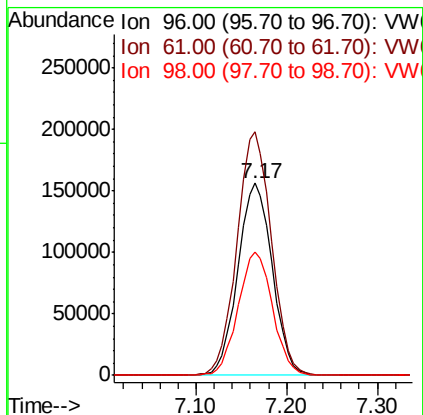
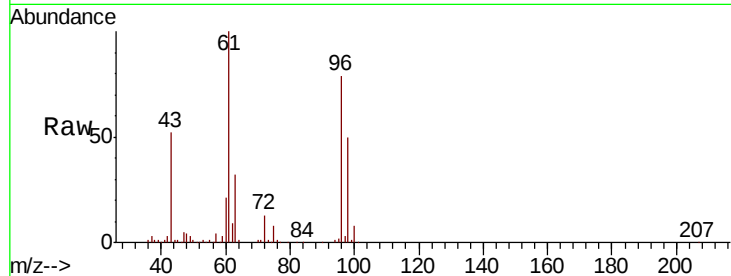


#22

cis-1,2-Dichloroethene
 Concen: 26.934 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

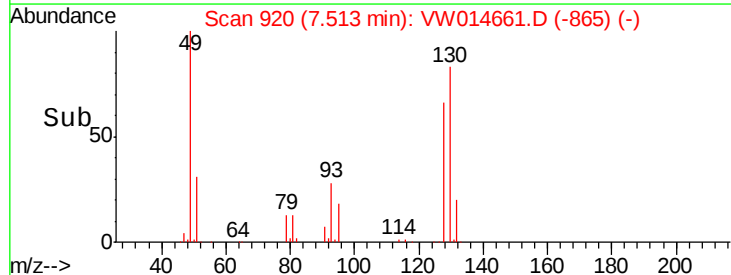
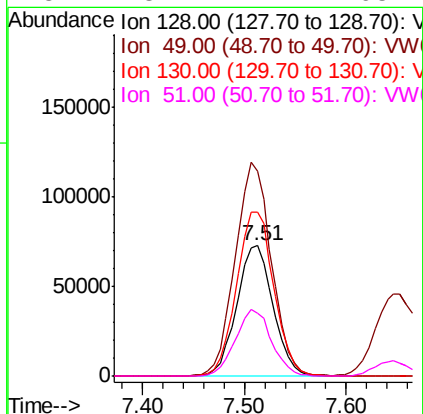
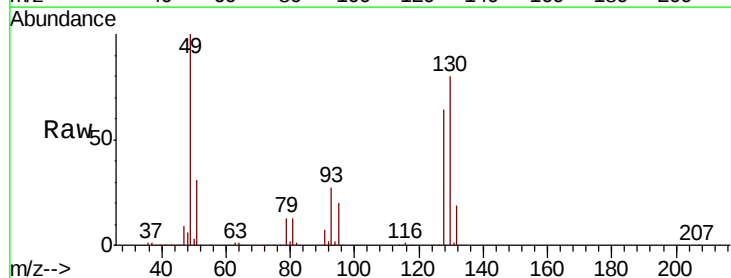
Tot Ion: 96 Resp: 411093
 Ion Ratio Lower Upper
 96 100
 61 126.6 91.5 169.9
 98 63.9 46.9 87.1

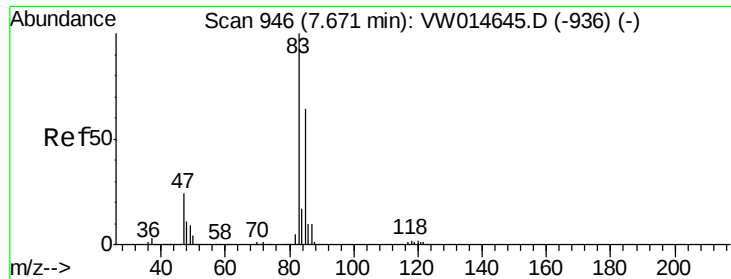


#23

Bromochloromethane
 Concen: 27.209 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion: 128 Resp: 179780
 Ion Ratio Lower Upper
 128 100
 49 157.1 118.3 219.7
 130 126.0 89.5 166.1
 51 48.4 42.1 63.1

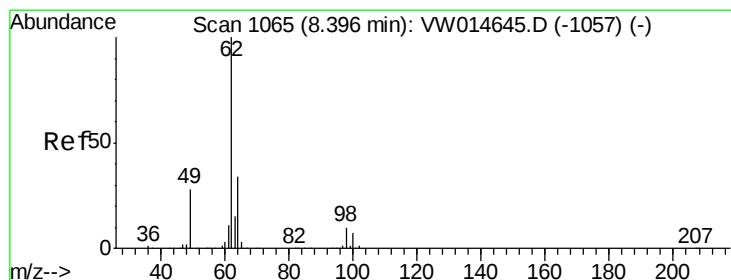
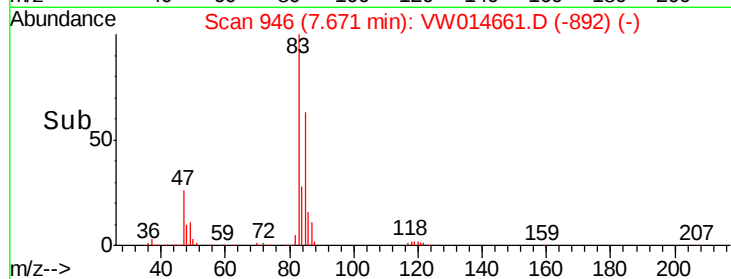
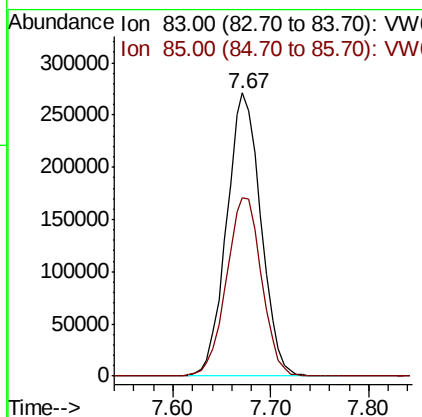
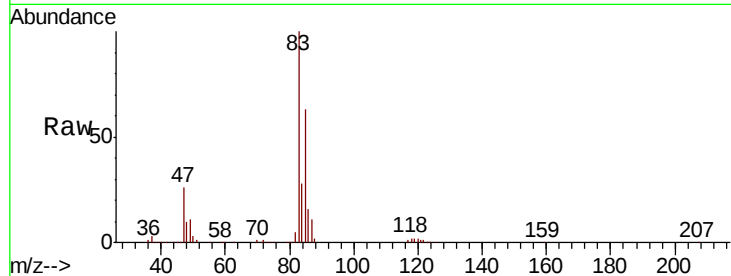




#25
Chloroform
Concen: 26.193 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

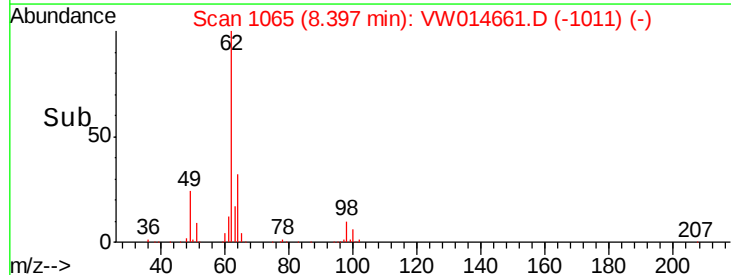
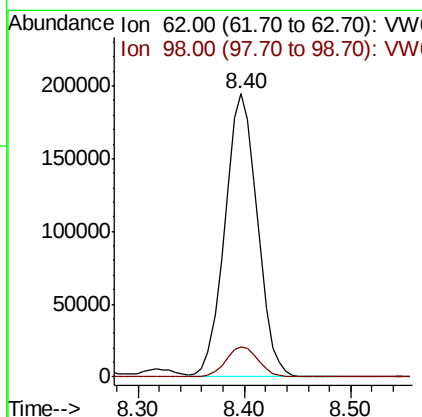
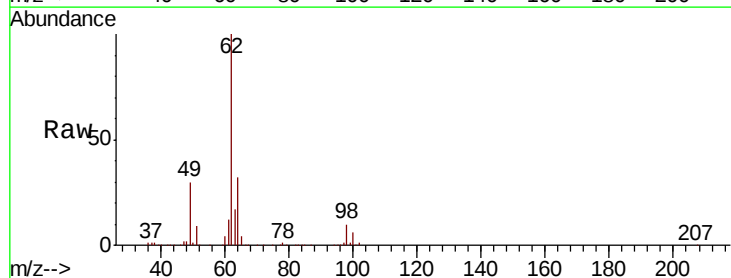
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

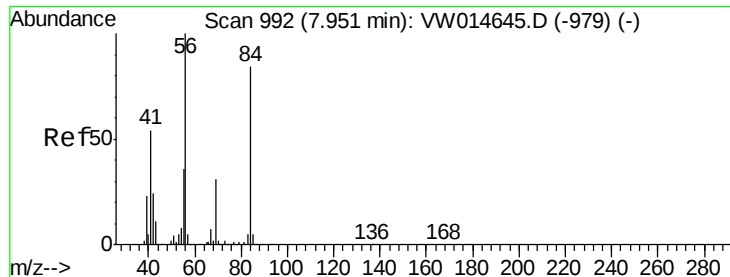
Tot Ion: 83 Resp: 656690
Ion Ratio Lower Upper
83 100
85 64.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 25.529 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

Tgt Ion: 62 Resp: 415485
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5

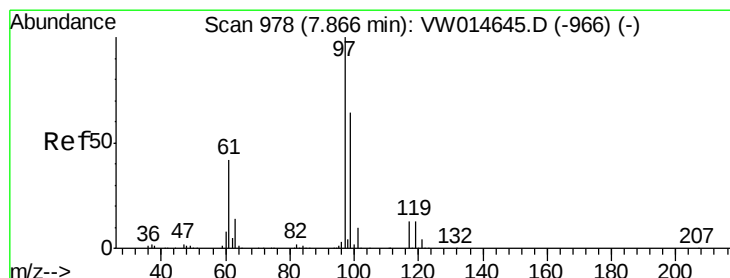
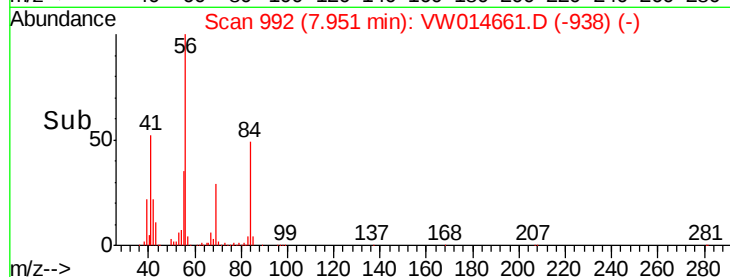
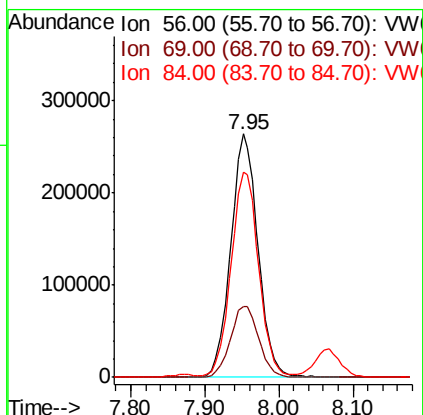
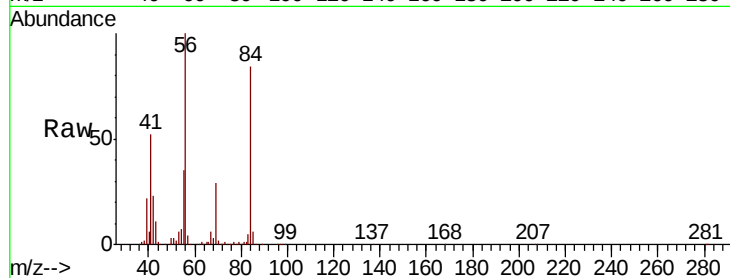




#30
Cyclohexane
Concen: 27.884 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

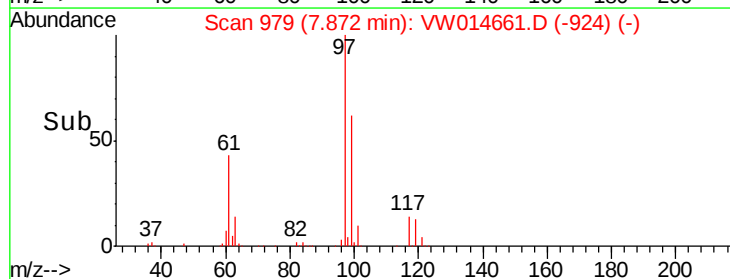
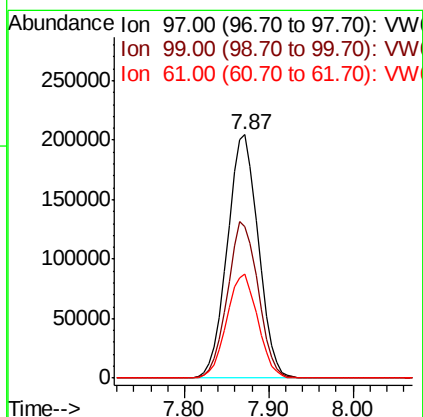
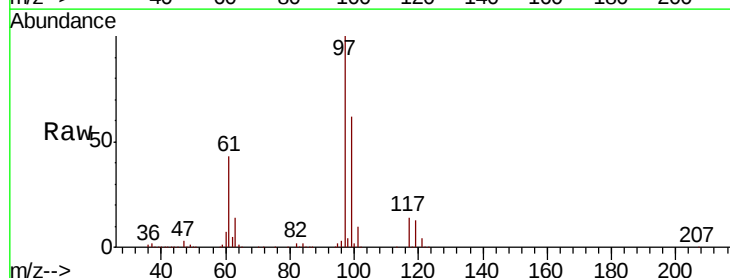
Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

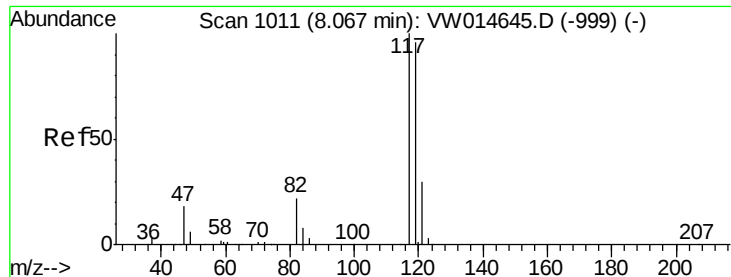
Tot Ion: 56 Resp: 675418
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.8
84 85.6 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 26.324 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

Tgt Ion: 97 Resp: 511333
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 42.8 35.3 52.9





#32

Carbon tetrachloride

Concen: 25.994 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

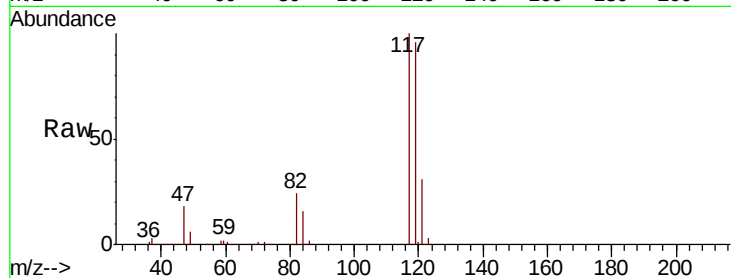
VSTD02515

Tot Ion:117 Resp: 470448

Ion Ratio Lower Upper

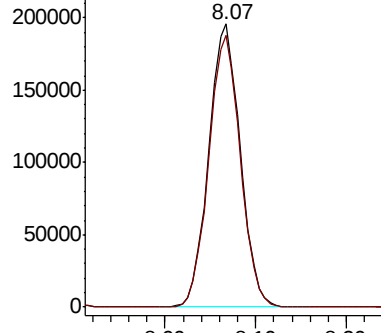
117 100

119 96.1 77.6 116.4

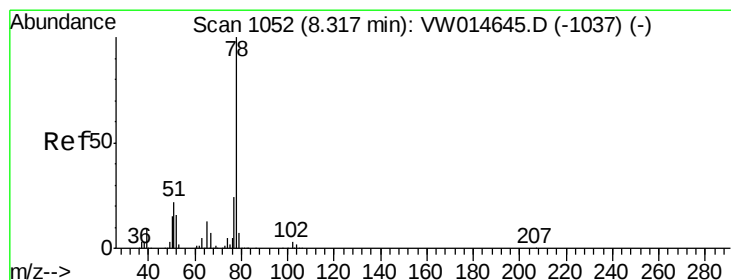
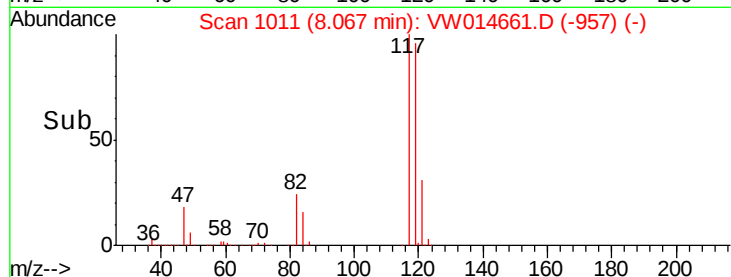


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 27.143 ug/L

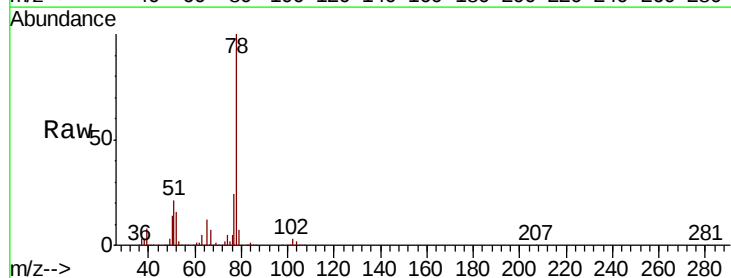
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

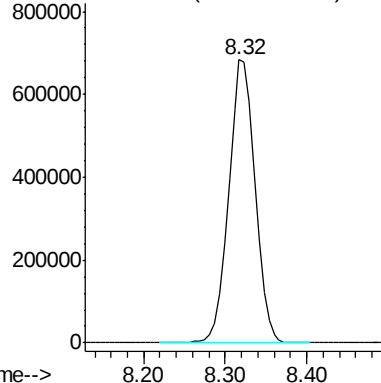
Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

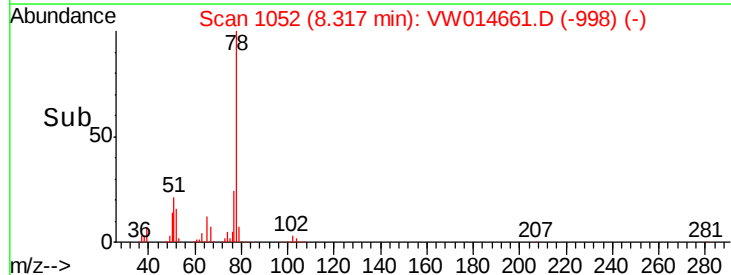
Tgt Ion: 78 Resp: 1546793

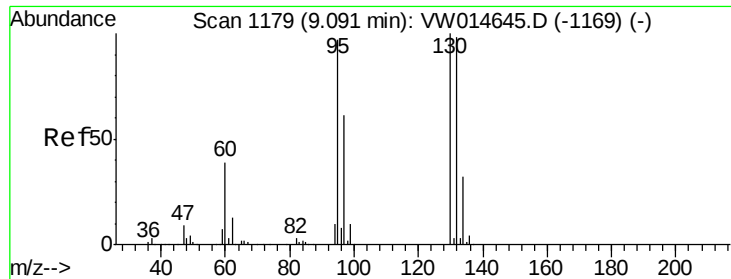


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

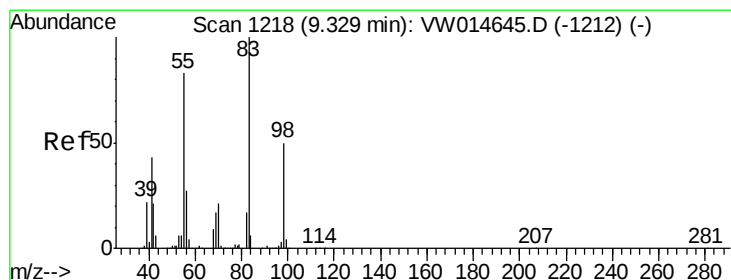
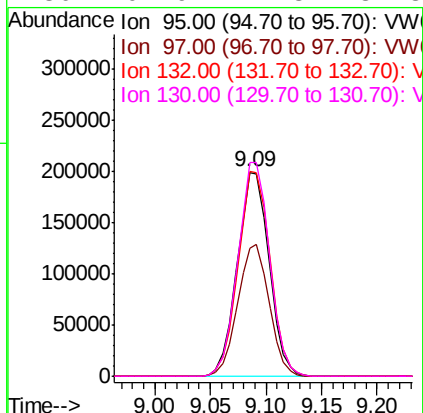
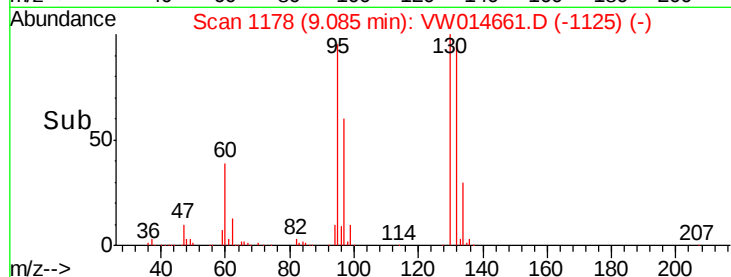
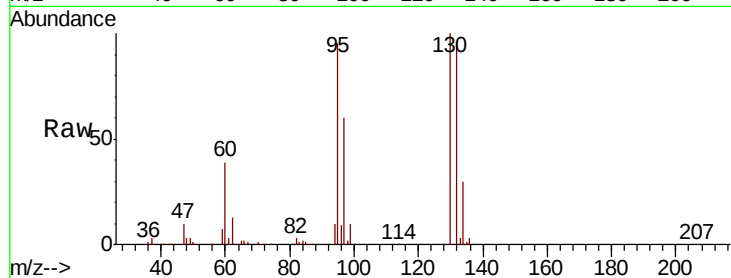




#35
 Trichloroethene
 Concen: 26.790 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

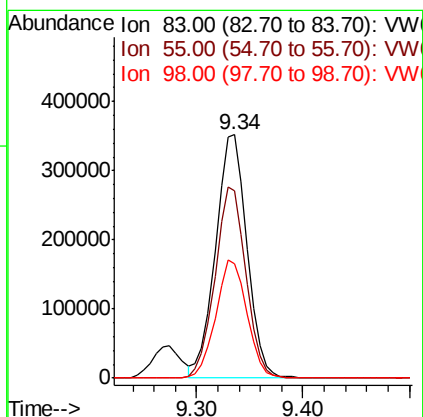
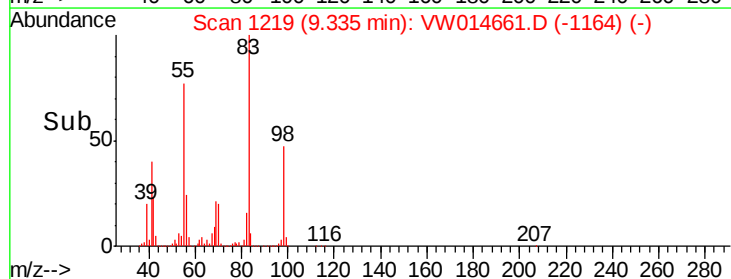
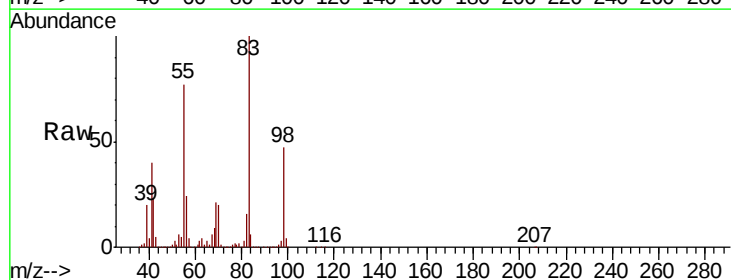
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

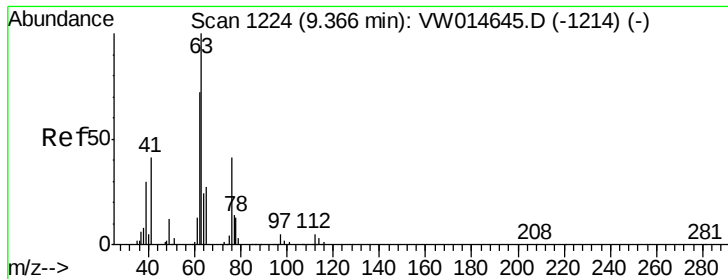
Tot Ion:	95	Resp:	394006
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.3	82.3
132	101.1	69.2	128.6
130	104.9	72.3	134.3



#36
 Methylcyclohexane
 Concen: 27.969 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion:	83	Resp:	721663
Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.7	95.5
98	48.2	39.4	59.2

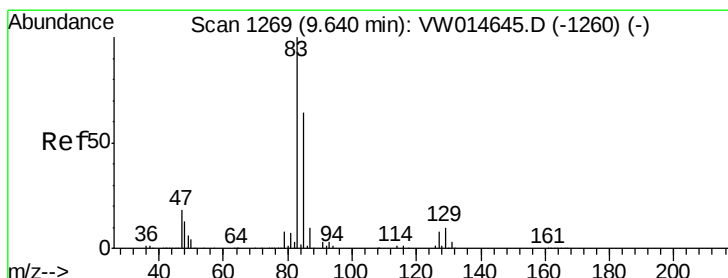
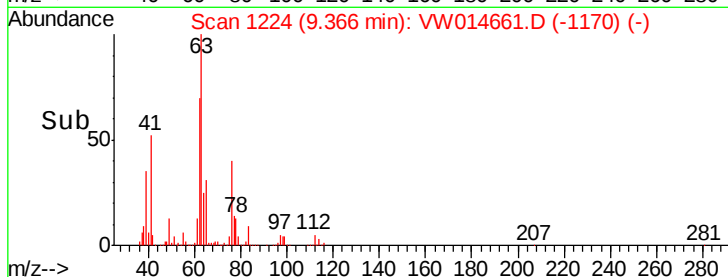
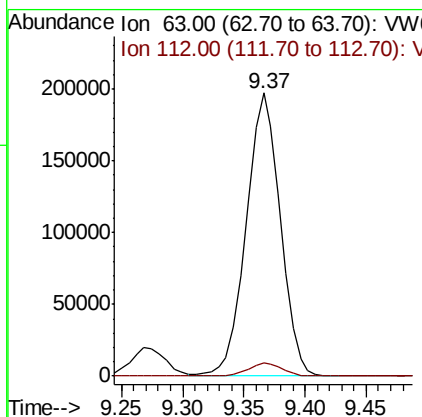
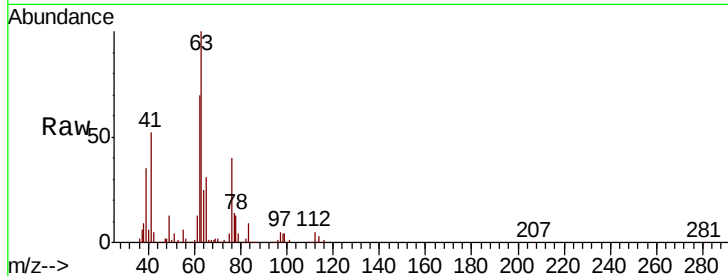




#40
 1,2-Dichloropropane
 Concen: 26.615 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

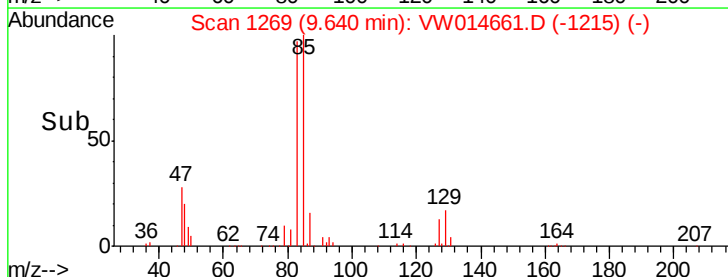
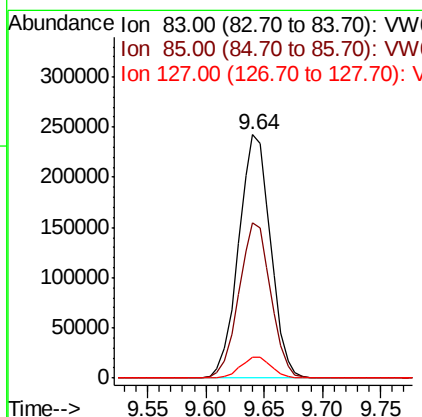
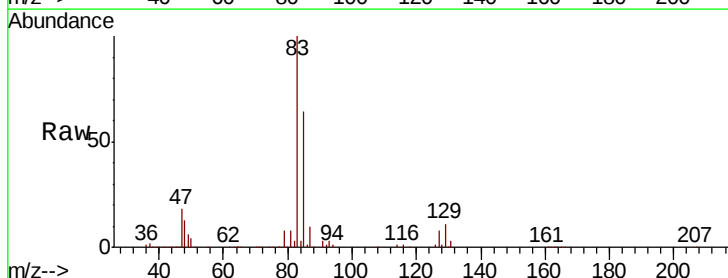
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

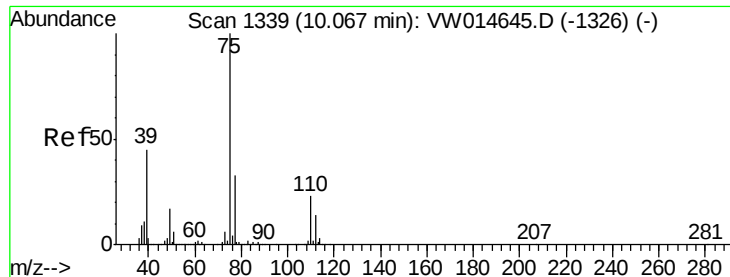
Tot Ion: 63 Resp: 383873
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.717 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion: 83 Resp: 463529
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 83.1
 127 8.3 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 27.528 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

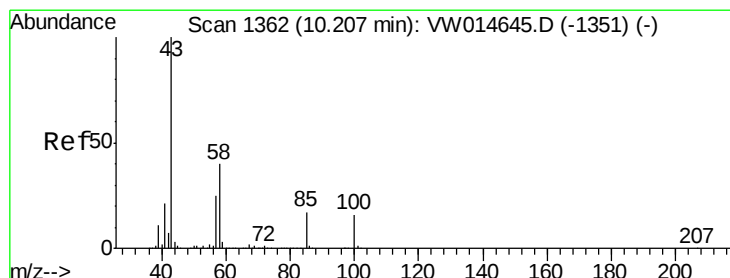
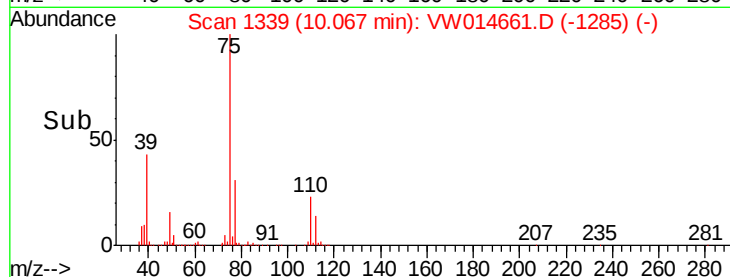
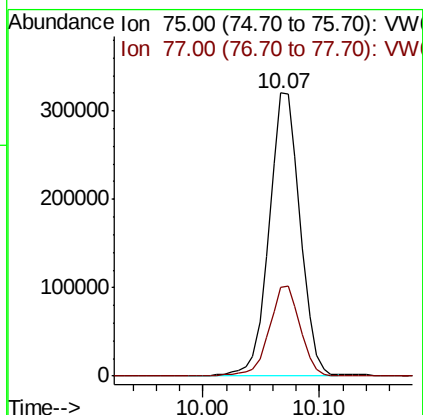
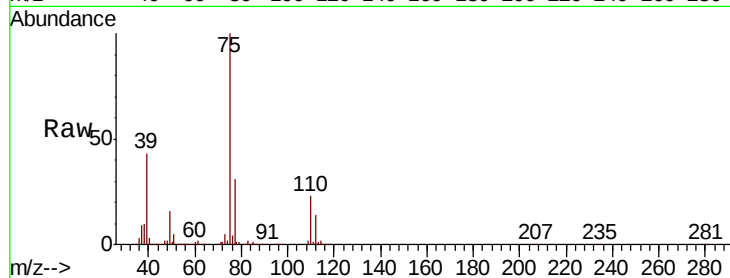
VSTD02515

Tot Ion: 75 Resp: 593100

Ion Ratio Lower Upper

75 100

77 31.5 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 59.714 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

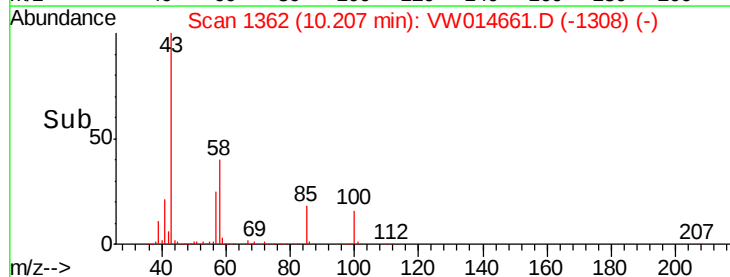
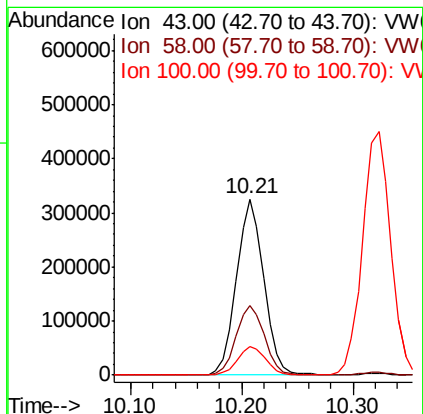
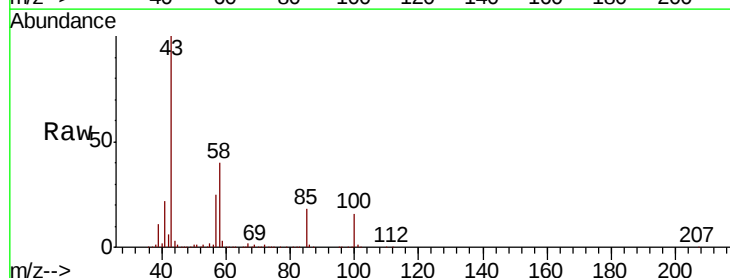
Tgt Ion: 43 Resp: 552902

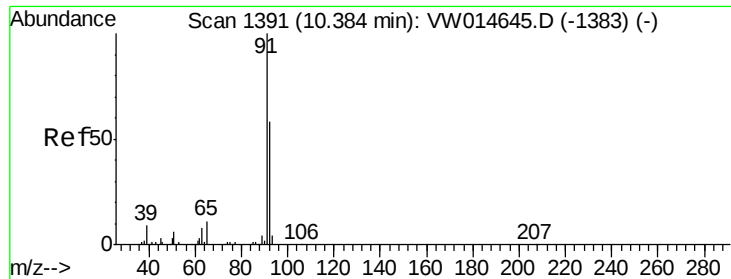
Ion Ratio Lower Upper

43 100

58 40.8 32.6 48.8

100 16.6 12.6 19.0





#44

Toluene

Concen: 27.742 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampled :

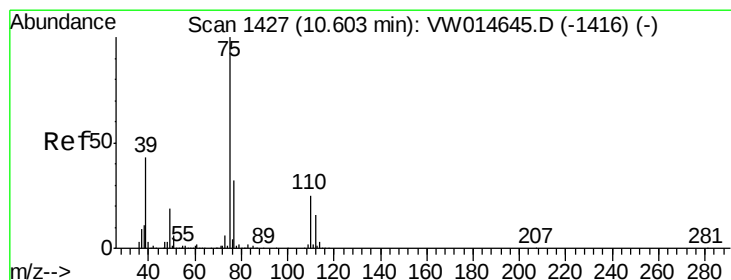
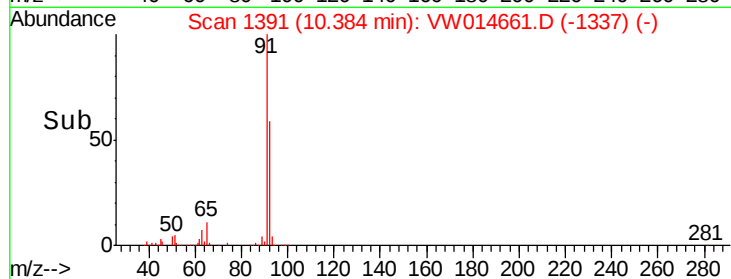
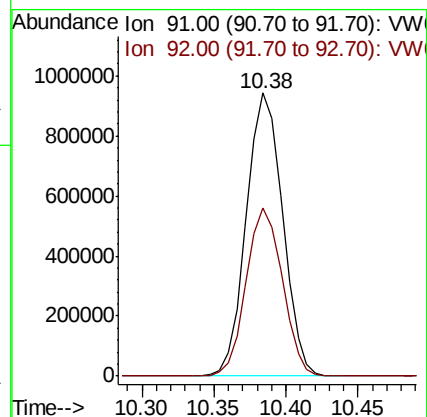
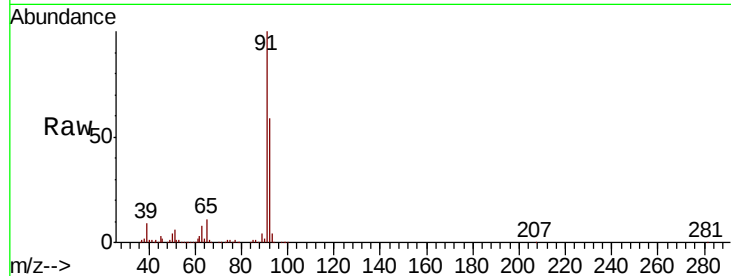
VSTD02515

Tot Ion: 91 Resp: 1652063

Ion Ratio Lower Upper

91 100

92 59.3 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 27.406 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014661.D

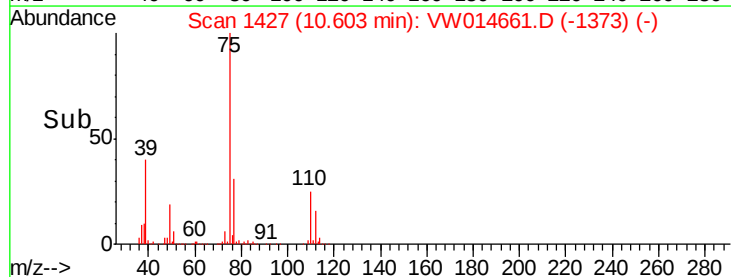
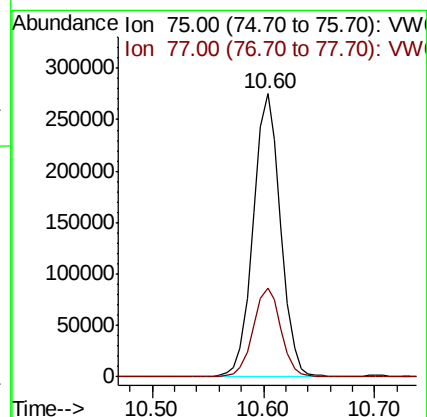
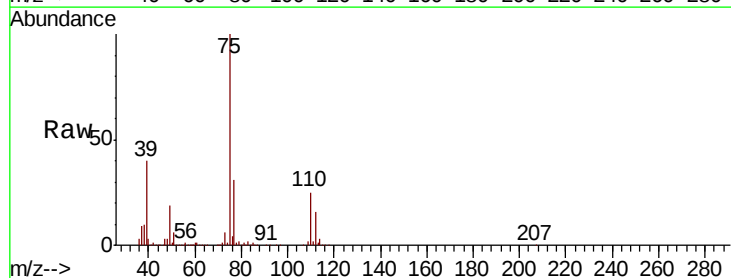
Acq: 15 Jan 2020 19:41

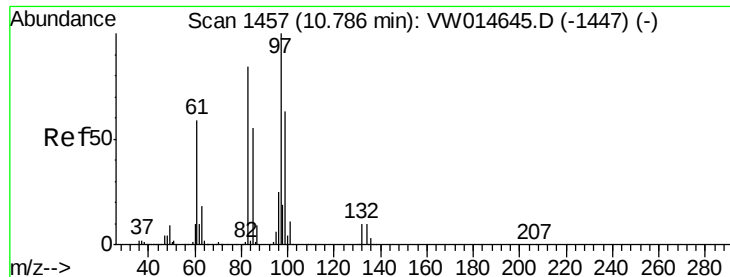
Tgt Ion: 75 Resp: 472143

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 27.727 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion: 97 Resp: 283264

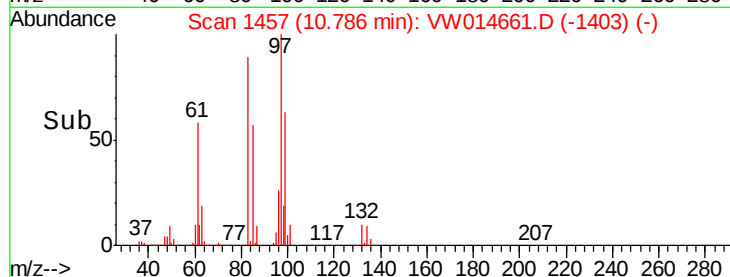
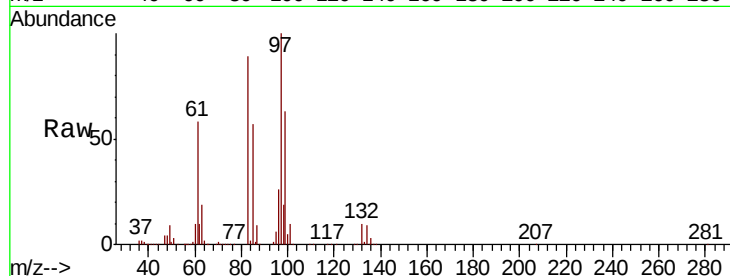
Ion Ratio Lower Upper

97 100

83 88.5 60.1 111.5

85 57.0 38.1 70.9

99 63.3 43.4 80.6

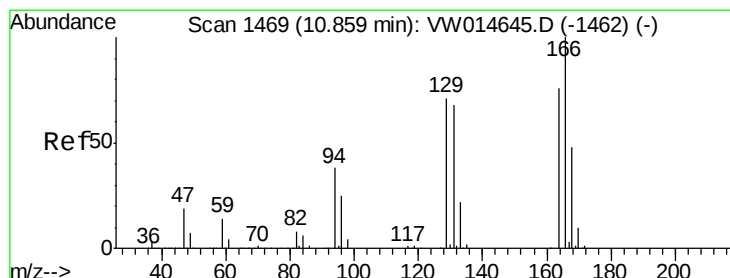
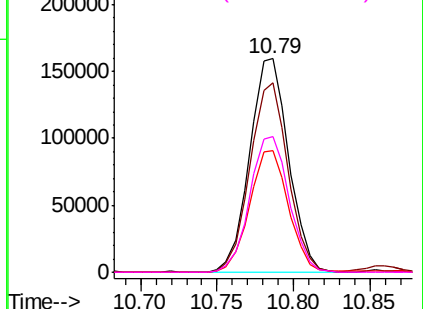


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.298 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Tgt Ion: 164 Resp: 337106

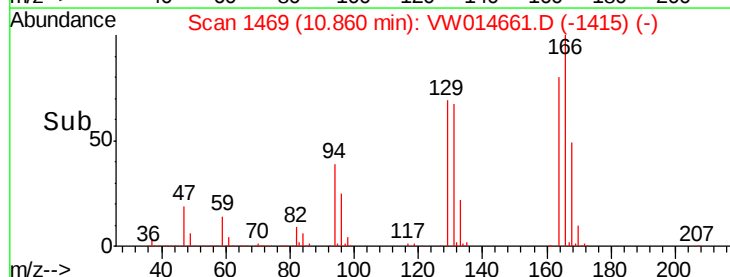
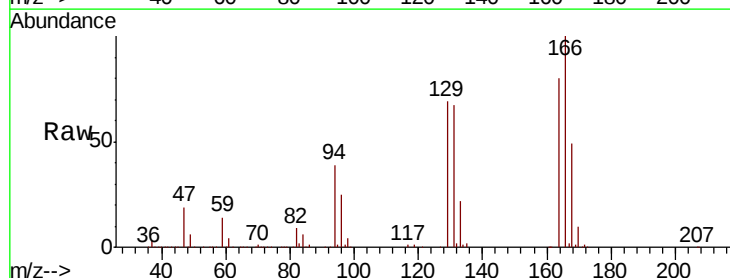
Ion Ratio Lower Upper

164 100

129 85.9 64.0 118.8

131 83.6 60.2 111.8

166 125.0 88.2 163.8

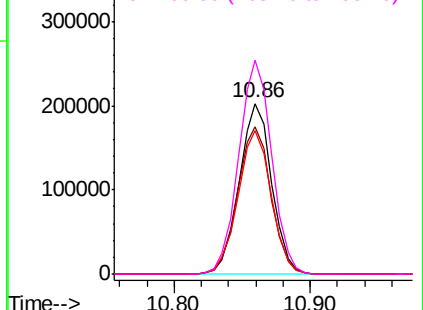


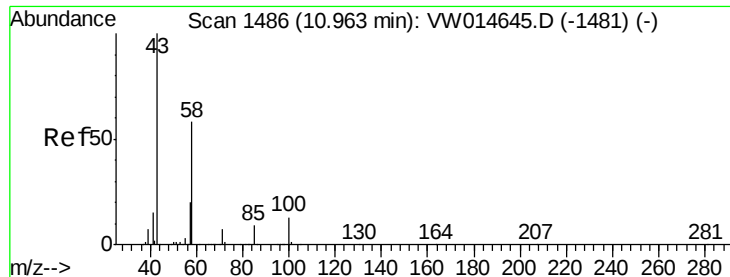
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 61.619 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion: 43 Resp: 389604

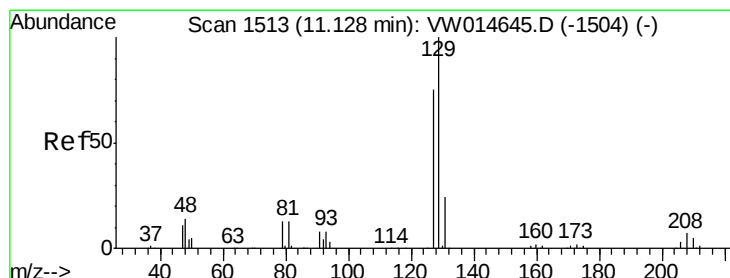
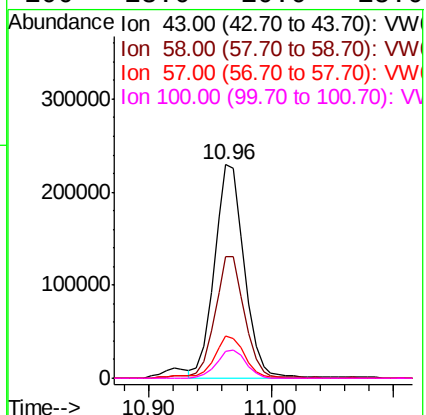
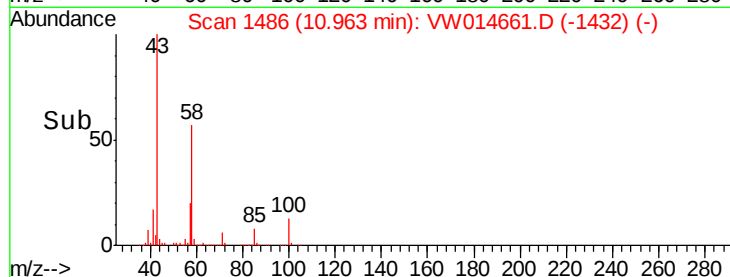
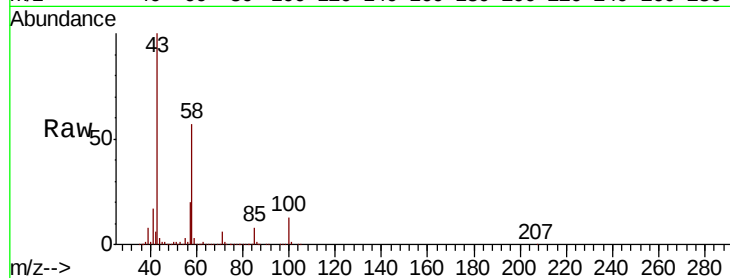
Ion Ratio Lower Upper

43 100

58 56.9 44.9 67.3

57 19.4 15.3 22.9

100 13.0 10.0 15.0



#50

Dibromochloromethane

Concen: 27.859 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014661.D

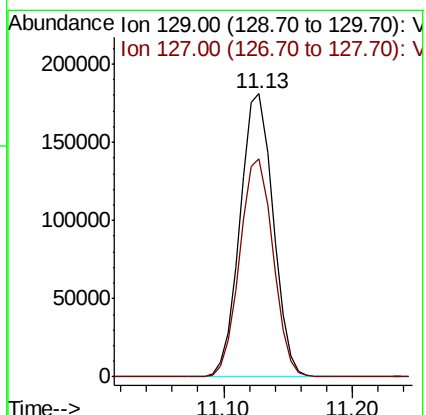
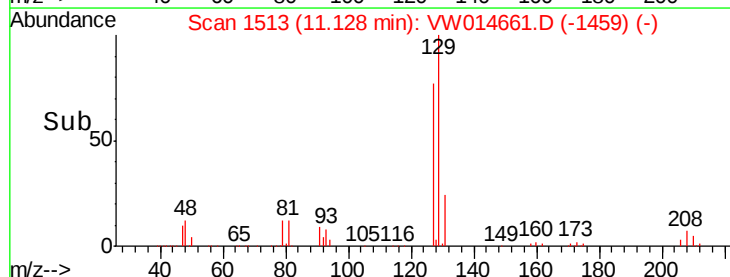
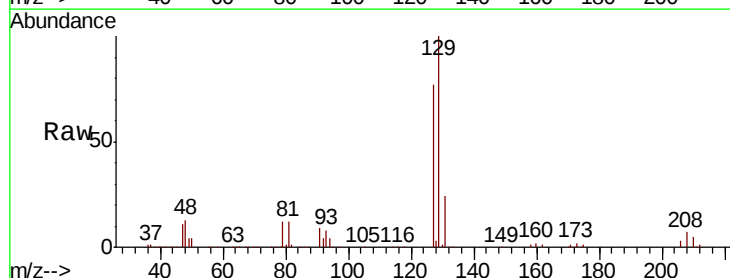
Acq: 15 Jan 2020 19:41

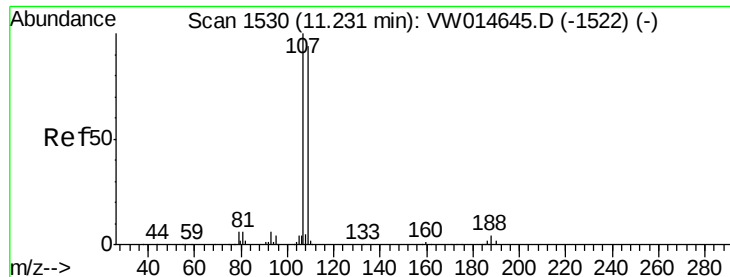
Tgt Ion: 129 Resp: 323179

Ion Ratio Lower Upper

129 100

127 77.1 51.1 94.9

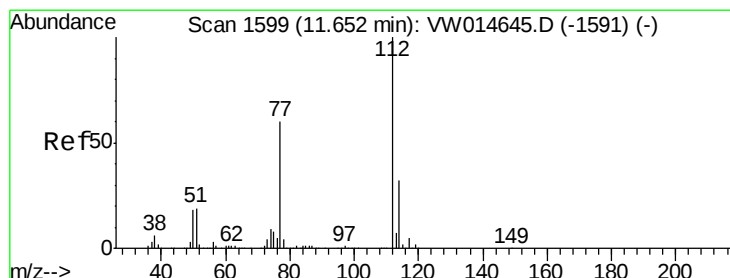
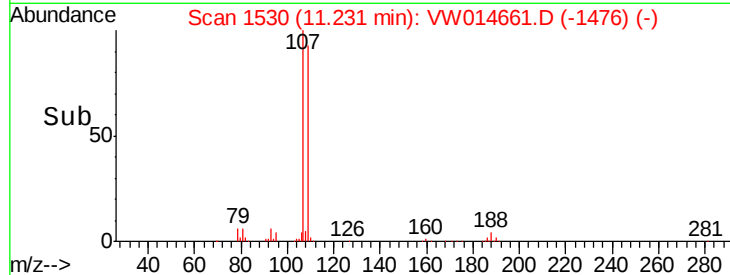
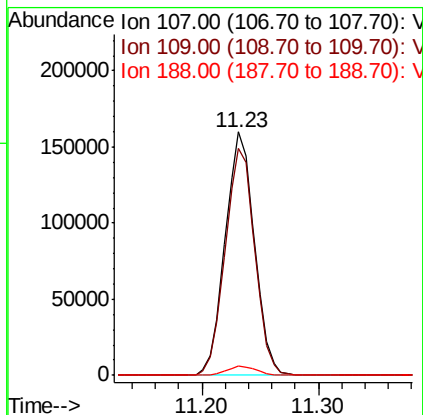
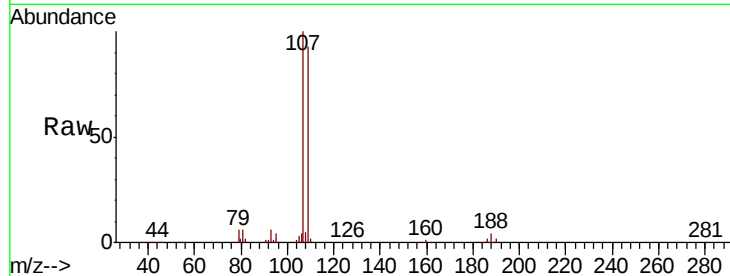




#51
 1,2-Dibromoethane
 Concen: 28.815 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

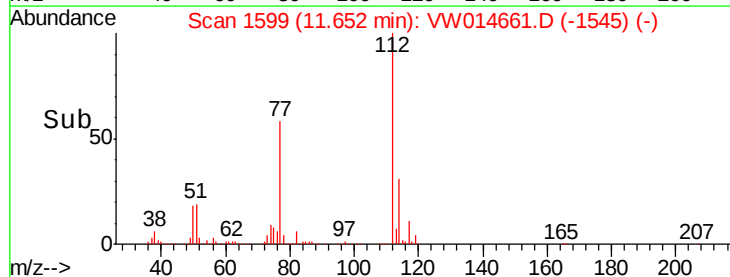
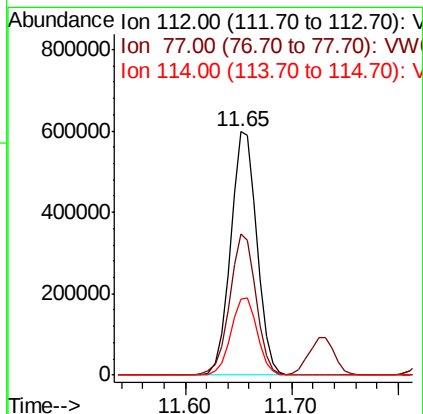
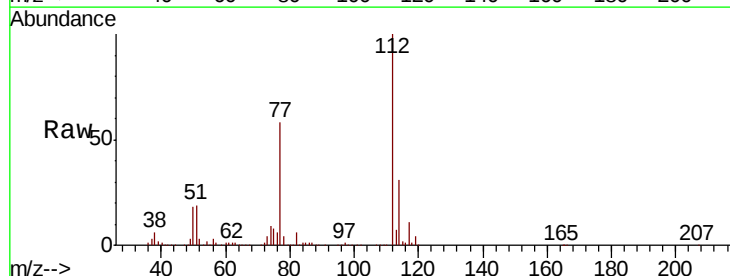
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

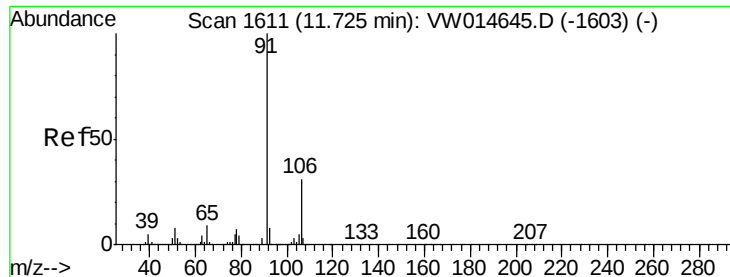
Tot Ion:107 Resp: 277885
 Ion Ratio Lower Upper
 107 100
 109 93.2 64.7 120.1
 188 4.0 3.0 4.6



#52
 Chlorobenzene
 Concen: 27.377 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion:112 Resp: 1030589
 Ion Ratio Lower Upper
 112 100
 77 58.1 48.2 72.2
 114 31.3 22.9 42.5

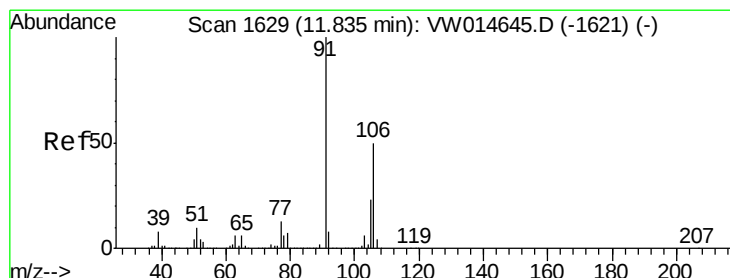
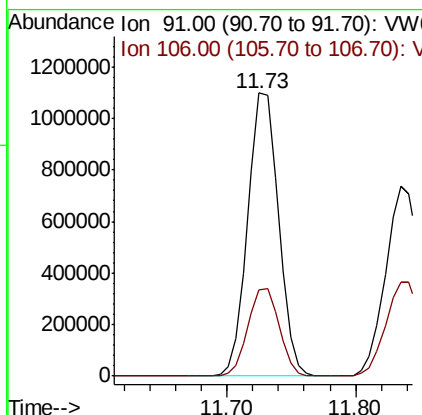
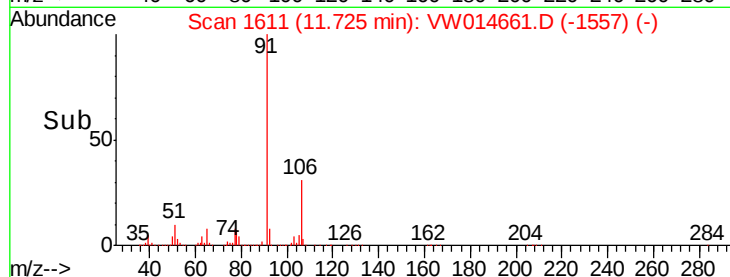
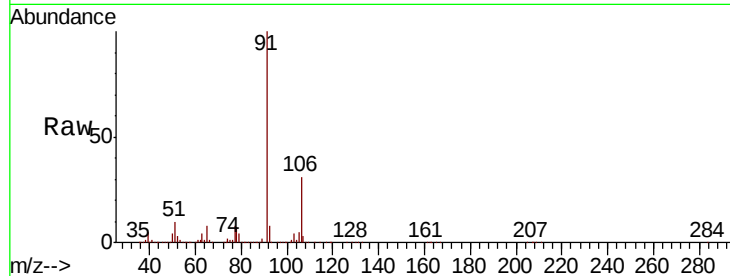




#53
Ethylbenzene
Concen: 27.730 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

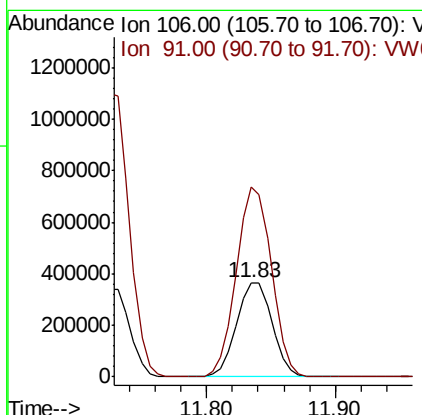
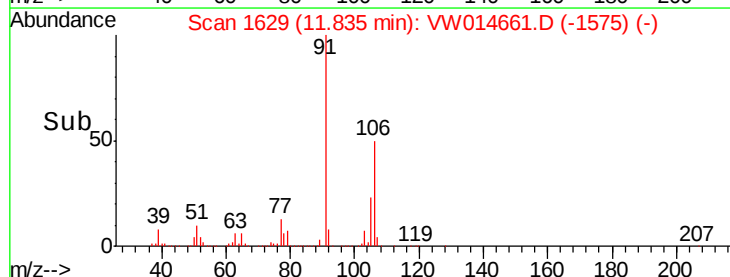
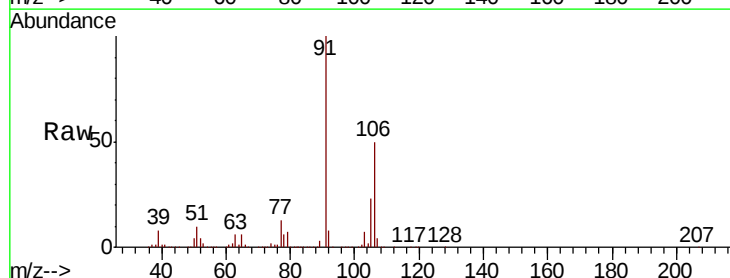
Instrument :
MSVOA_W
ClientSampled :
VSTD02515

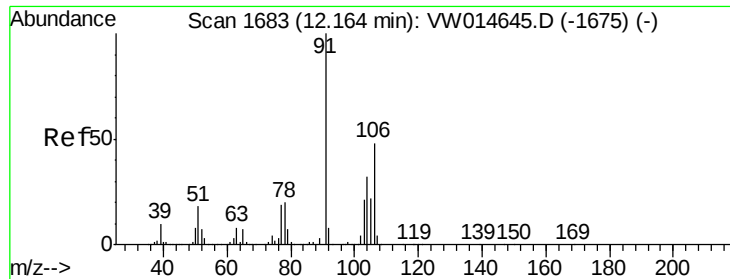
Tot Ion: 91 Resp: 1815696
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.6



#54
m,p-Xylene
Concen: 28.250 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

Tgt Ion: 106 Resp: 699978
Ion Ratio Lower Upper
106 100
91 201.5 142.2 264.0

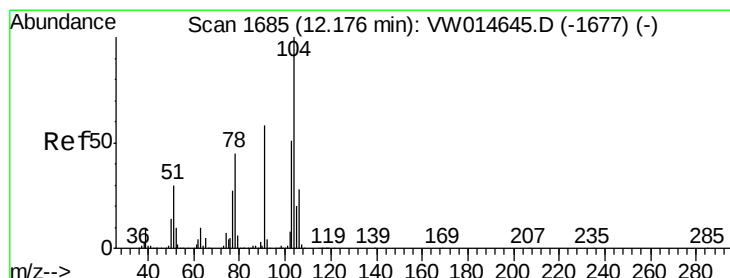
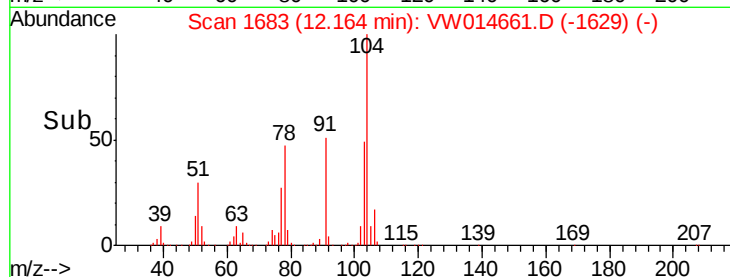
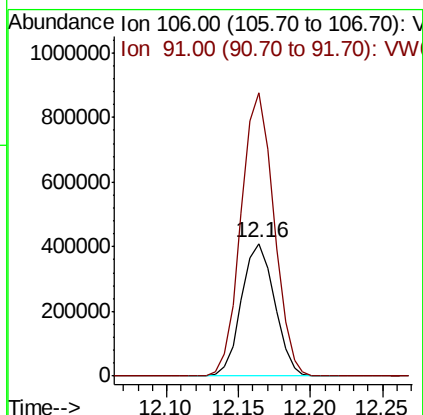
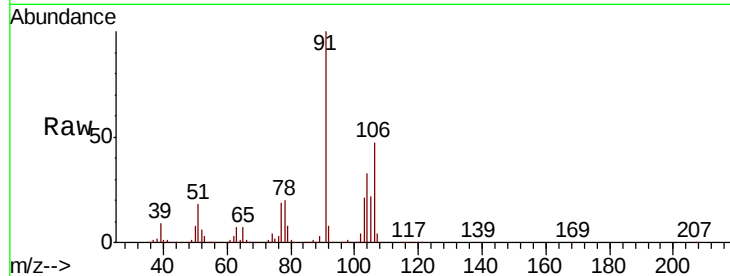




#55
o-xylene
Concen: 28.078 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

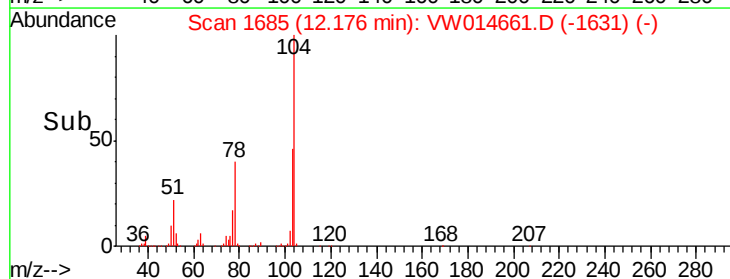
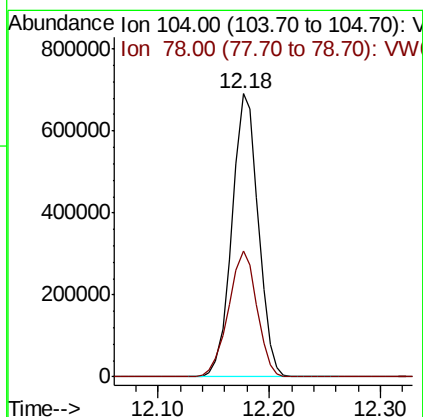
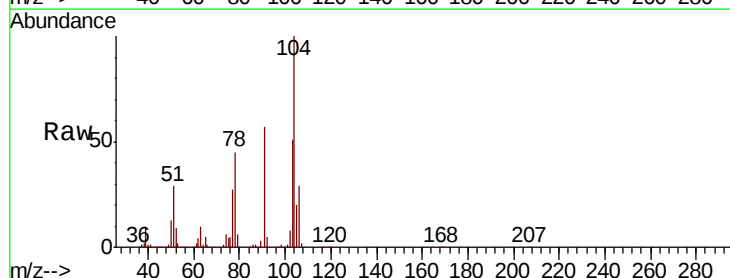
Instrument :
MSVOA_W
ClientSampled :
VSTD02515

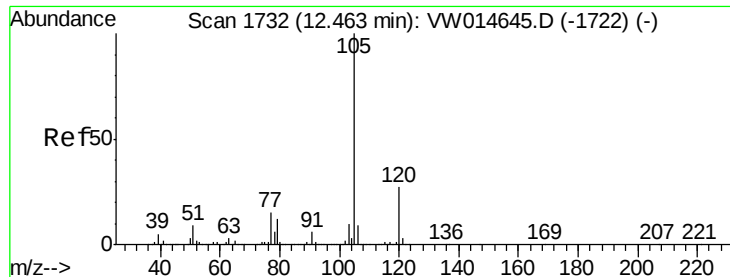
Tot Ion:106 Resp: 657146
Ion Ratio Lower Upper
106 100
91 213.1 148.7 276.1



#56
Styrene
Concen: 28.650 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014661.D
Acq: 15 Jan 2020 19:41

Tgt Ion:104 Resp: 1128571
Ion Ratio Lower Upper
104 100
78 44.6 32.3 60.1





#57

Isopropylbenzene

Concen: 28.706 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

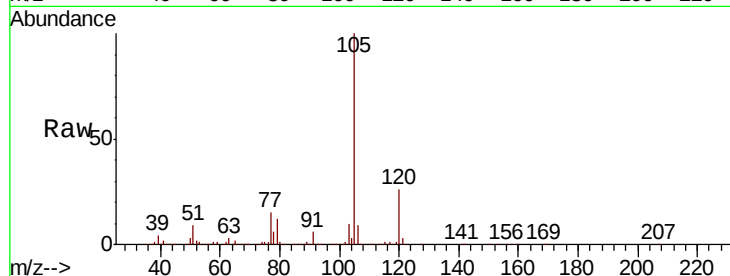
Tot Ion:105 Resp: 1787082

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

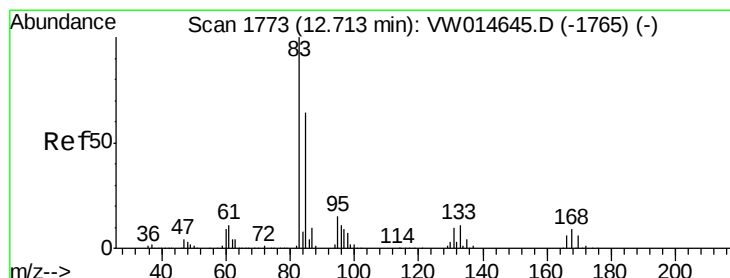
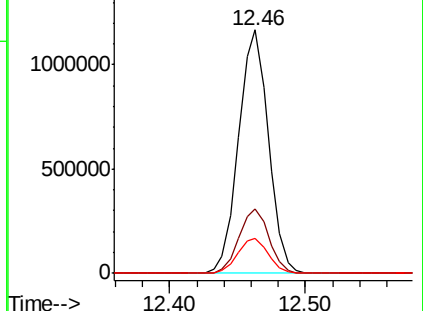
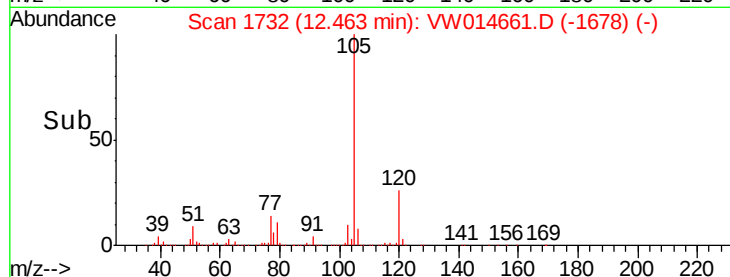
77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.151 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

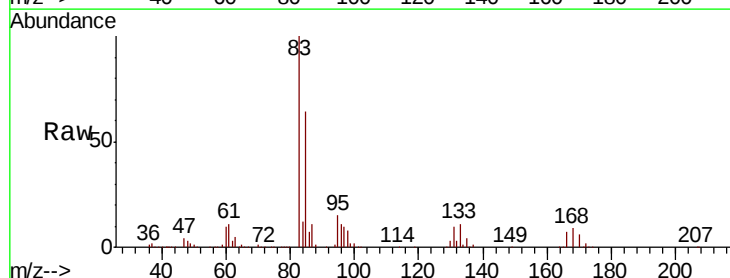
Tgt Ion: 83 Resp: 361600

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

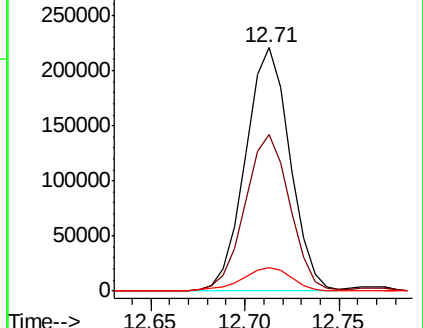
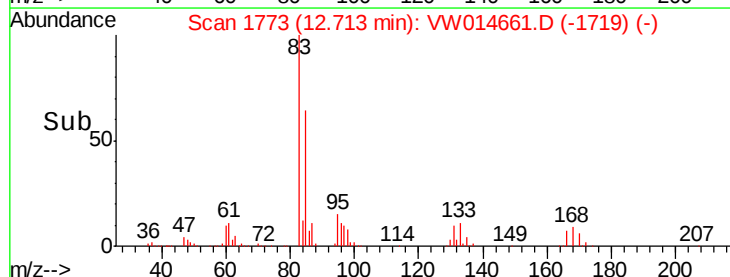
131 9.9 8.0 12.0

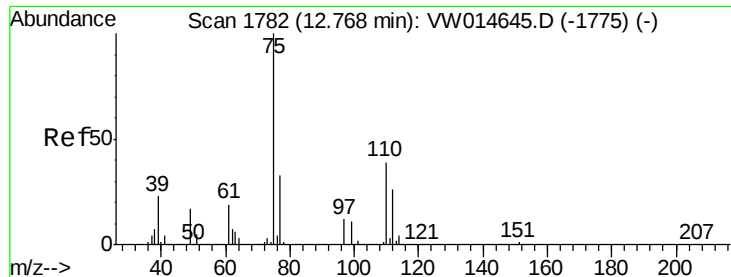


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

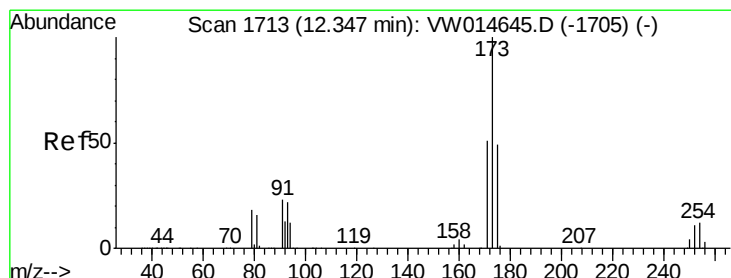
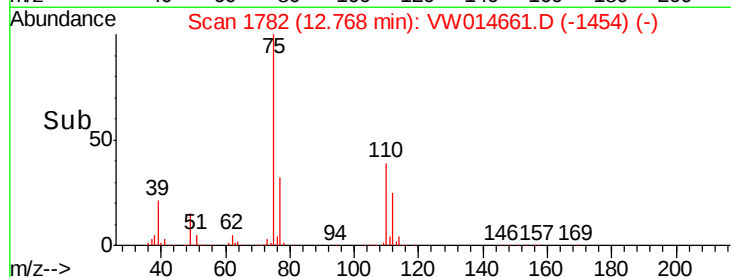
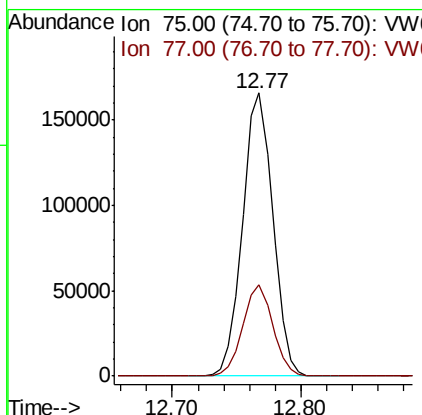
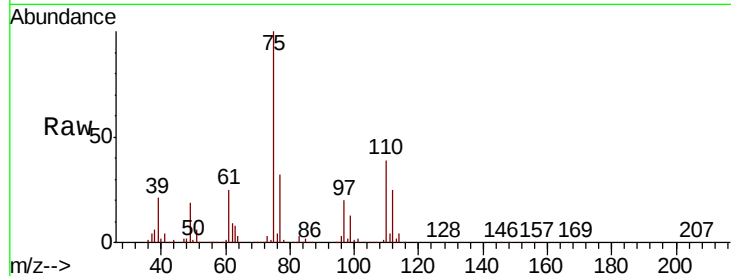




#59
 1,2,3-Trichloropropane
 Concen: 28.969 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

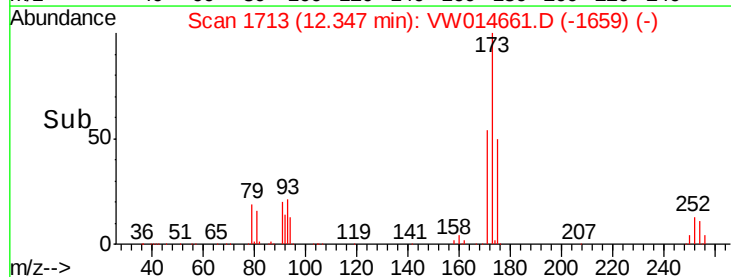
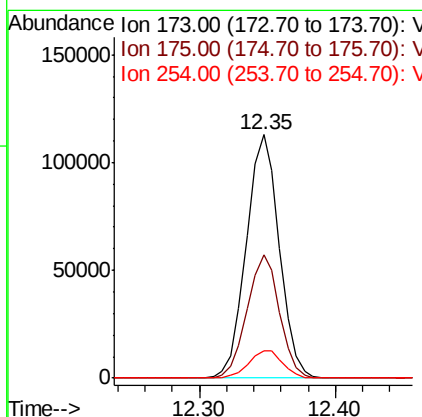
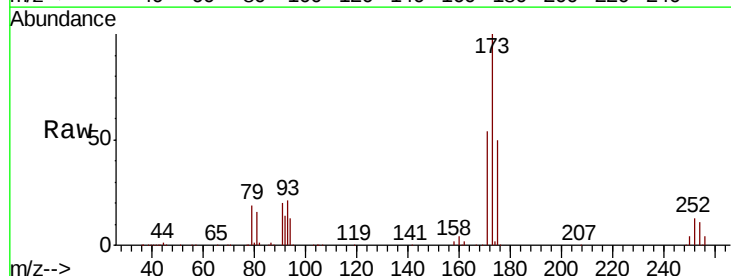
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

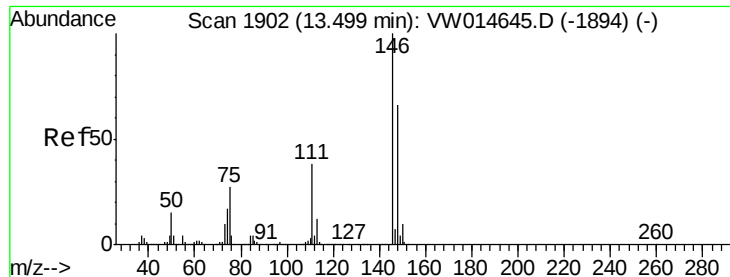
Tot Ion: 75 Resp: 269190
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.2 39.2



#62
 Bromoform
 Concen: 27.221 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion: 173 Resp: 191581
 Ion Ratio Lower Upper
 173 100
 175 49.8 40.5 60.7
 254 11.7 9.3 13.9

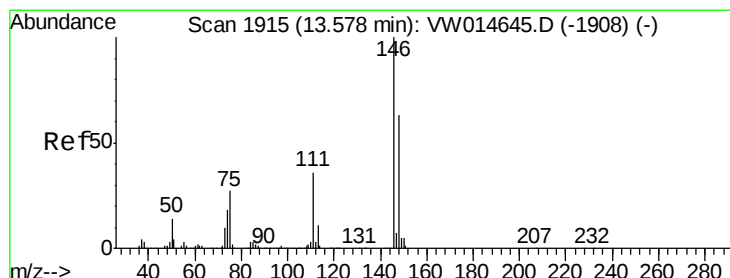
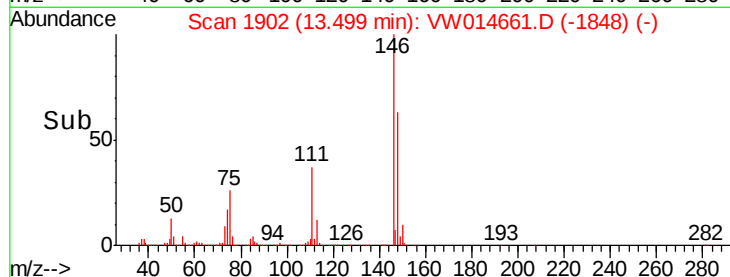
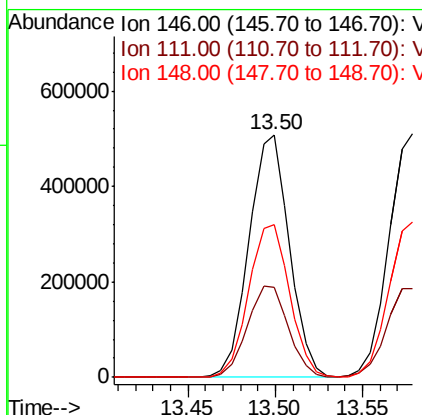
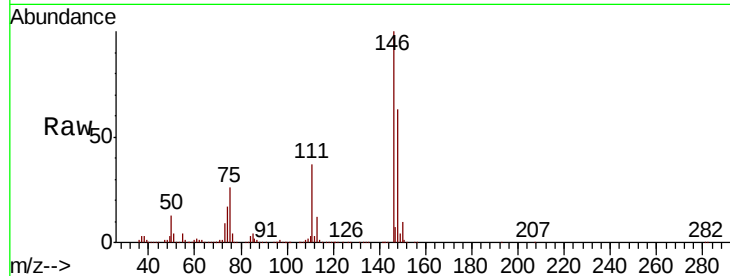




#63
 1,3-Dichlorobenzene
 Concen: 27.516 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

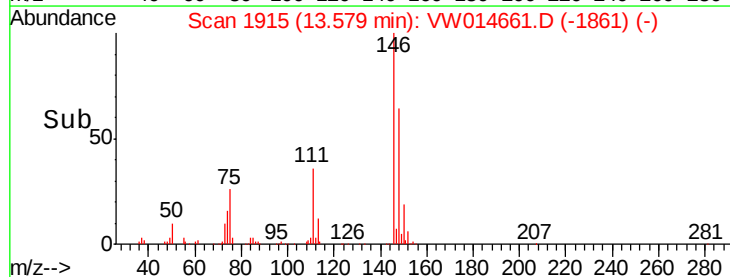
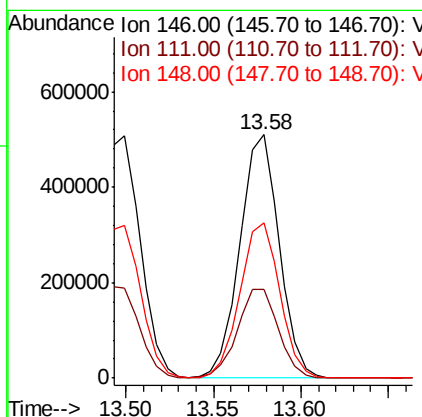
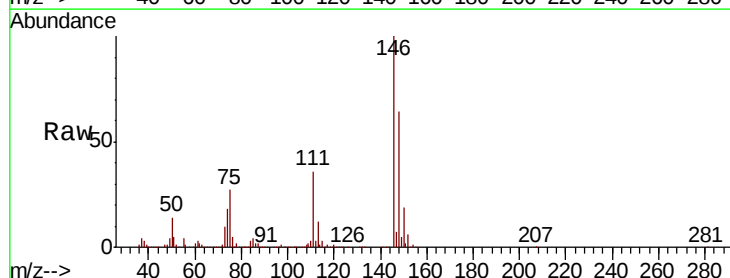
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

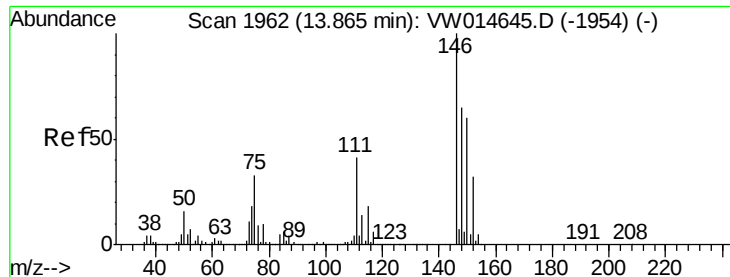
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.9	50.1
148	63.3	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.644 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	24.5	45.5
148	63.9	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 27.928 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02515

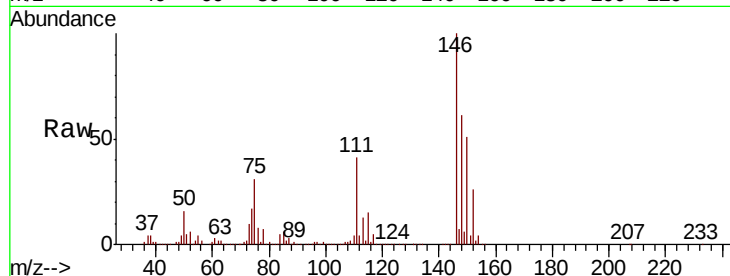
Tot Ion:146 Resp: 746531

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.2

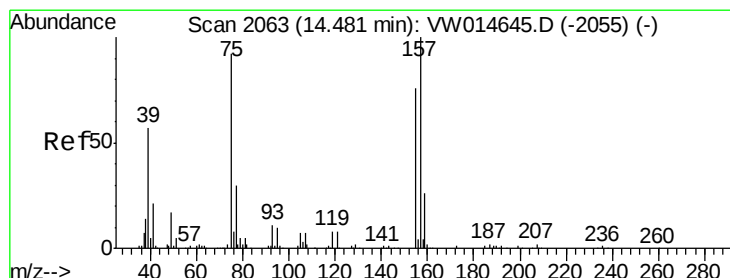
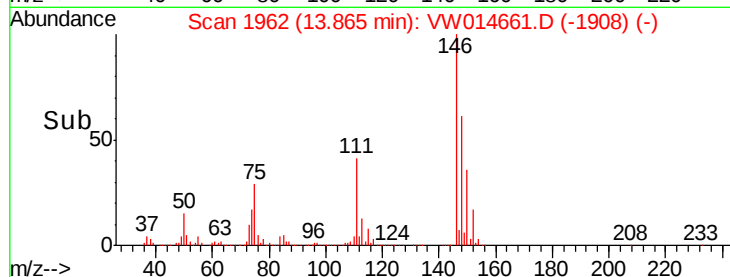
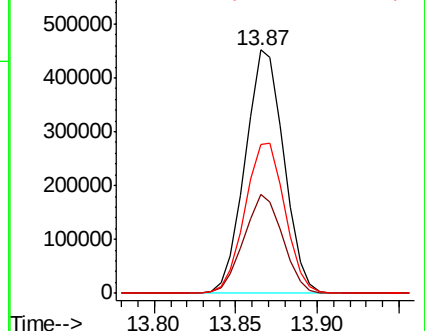
148 61.2 51.8 77.8



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: 29.394 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

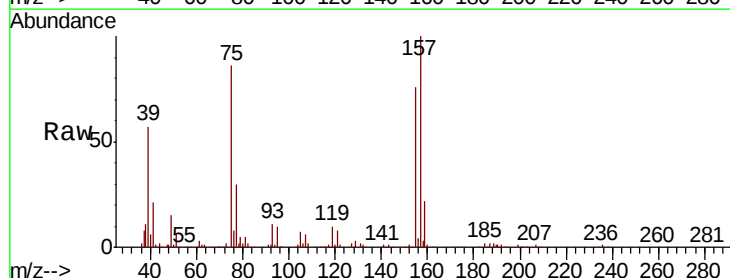
Tgt Ion: 75 Resp: 58185

Ion Ratio Lower Upper

75 100

157 116.9 87.2 130.8

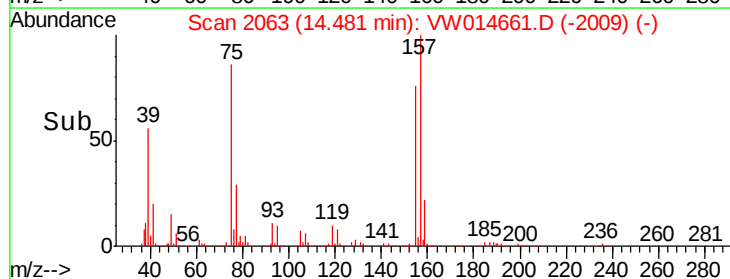
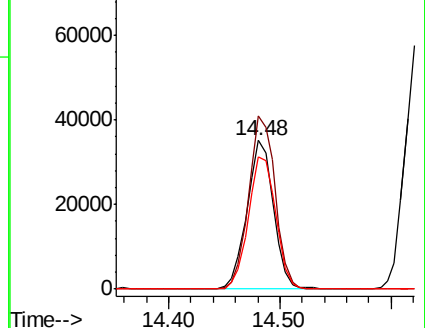
155 89.3 67.8 101.8

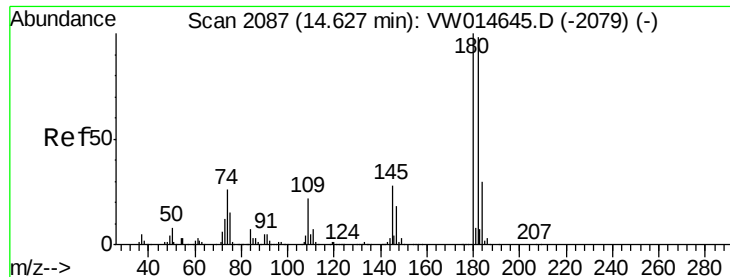


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

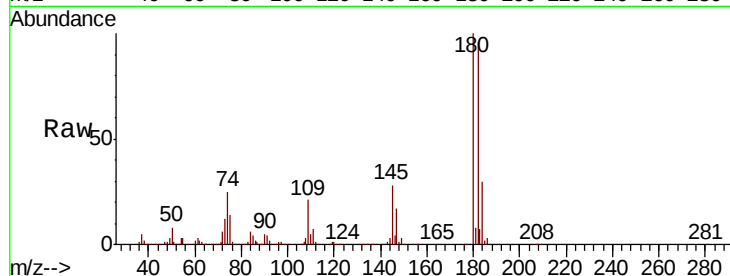




#67
 1,3,5-Trichlorobenzene
 Concen: 29.283 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Tot Ion	180	Resp	646812
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.8	113.6
184	29.9	24.0	36.0
145	27.7	22.6	33.8



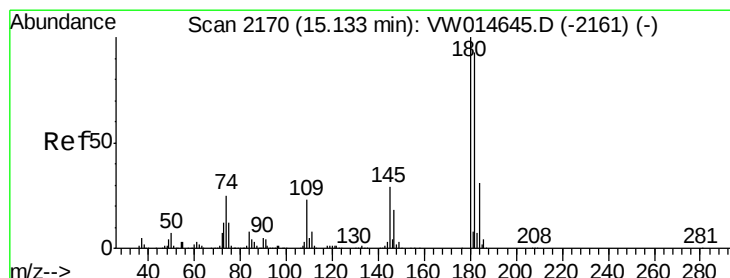
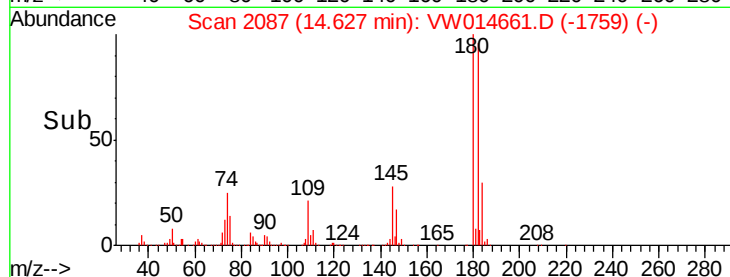
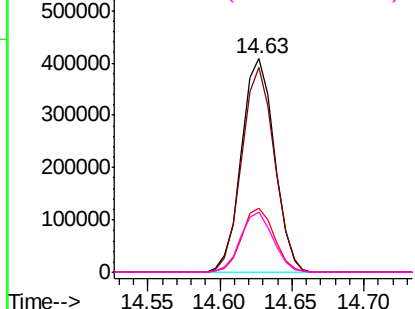
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

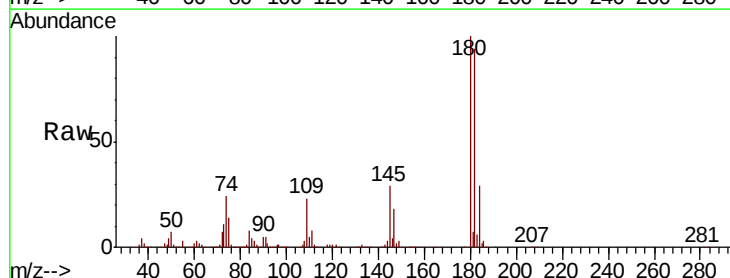
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 31.547 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014661.D
 Acq: 15 Jan 2020 19:41

Tgt Ion	180	Resp	522364
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.2	114.4
145	28.5	23.1	34.7

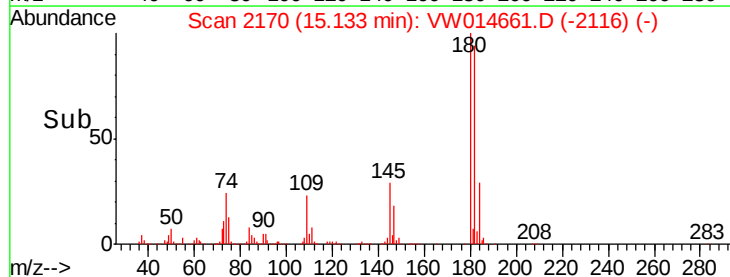
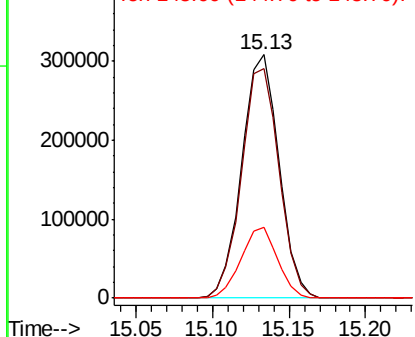


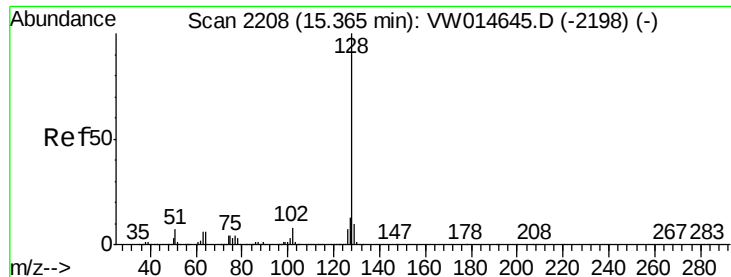
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 38.474 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Instrument :

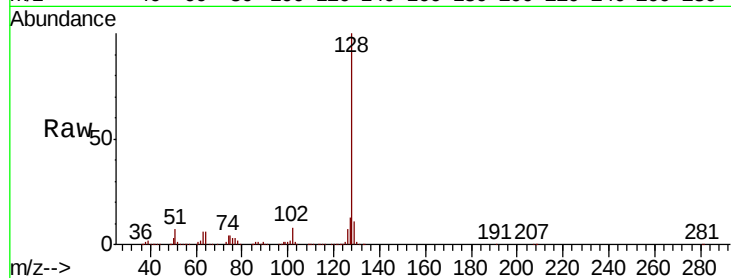
MSVOA_W

ClientSampleId :

VSTD02515

Tot Ion:128 Resp: 1099810

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.6	16.0

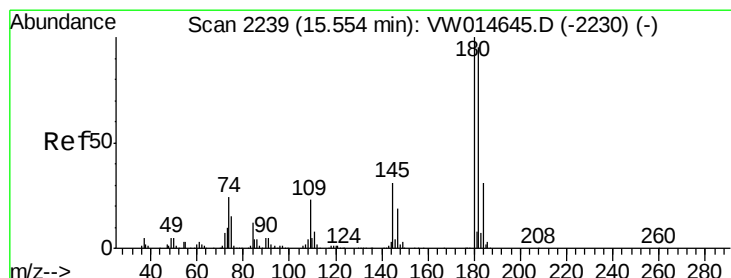
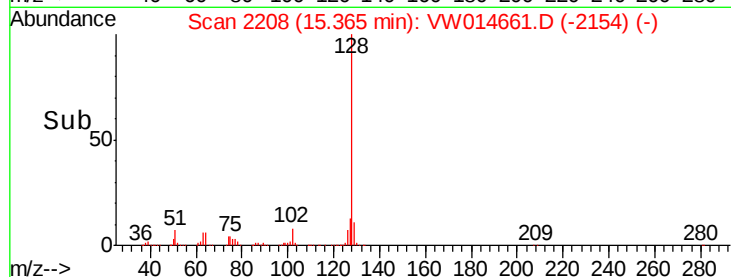
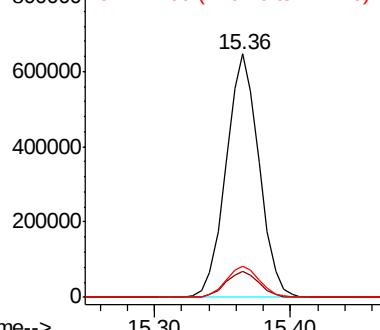


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 31.902 ug/L

RT: 15.55 min Scan# 2239

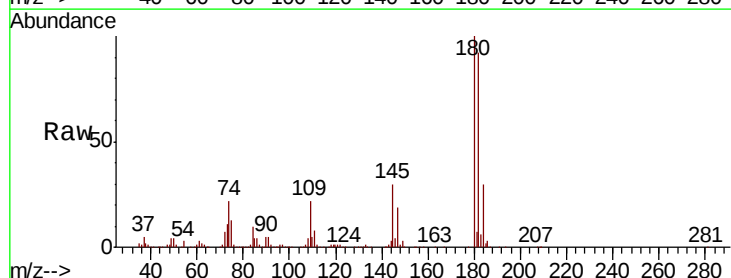
Delta R.T. 0.00 min

Lab File: VW014661.D

Acq: 15 Jan 2020 19:41

Tgt Ion:180 Resp: 478677

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
145	30.7	24.9	37.3



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

