

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011720\
 Data File : VW014685.D
 Acq On : 17 Jan 2020 15:33
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Jan 17 16:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 14:29:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1092644	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	959479	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	468006	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	317665	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
7) Chloroethane-d5	2.88	69	272906	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.20%
10) 1,1-Dichloroethene-d2	4.01	63	658400	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.48%
20) 2-Butanone-d5	7.07	46	220939	60.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.56%
24) Chloroform-d	7.64	84	640283	25.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.88%
26) 1,2-Dichloroethane-d4	8.30	65	330167	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.24%
29) Benzene-d6	8.27	84	1351855	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
33) 1,2-Dichloropropane-d6	9.27	67	406300	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.92%
37) Toluene-d8	10.32	98	1227318	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.12%
38) trans-1,3-Dichloropropene-	10.57	79	166777	26.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.28%
39) 2-Hexanone-d5	10.92	63	171208	65.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	332812	28.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	415556	26.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	212215	21.71	ug/L	95
3) Chloromethane	2.21	50	233603	21.14	ug/L	99
5) Vinyl chloride	2.36	62	378143	24.05	ug/L	99
6) Bromomethane	2.78	94	219818	23.94	ug/L	99
8) Chloroethane	2.92	64	218194	24.82	ug/L	96
9) Trichlorofluoromethane	3.25	101	210286	25.29	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	352528	24.69	ug/L	99
12) 1,1-Dichloroethene	4.03	96	349517	25.00	ug/L	90
13) Acetone	4.11	43	221397	43.63	ug/L	98
14) Carbon disulfide	4.38	76	996085	23.08	ug/L	99
15) Methyl Acetate	4.66	43	187281	27.35	ug/L	99
16) Methylene chloride	4.91	84	369468	20.74	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	496981	27.62	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	364296	24.74	ug/L	99
19) 1,1-Dichloroethane	6.21	63	658269	24.73	ug/L	99
21) 2-Butanone	7.17	43	268845	49.38	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	395331	25.50	ug/L	93

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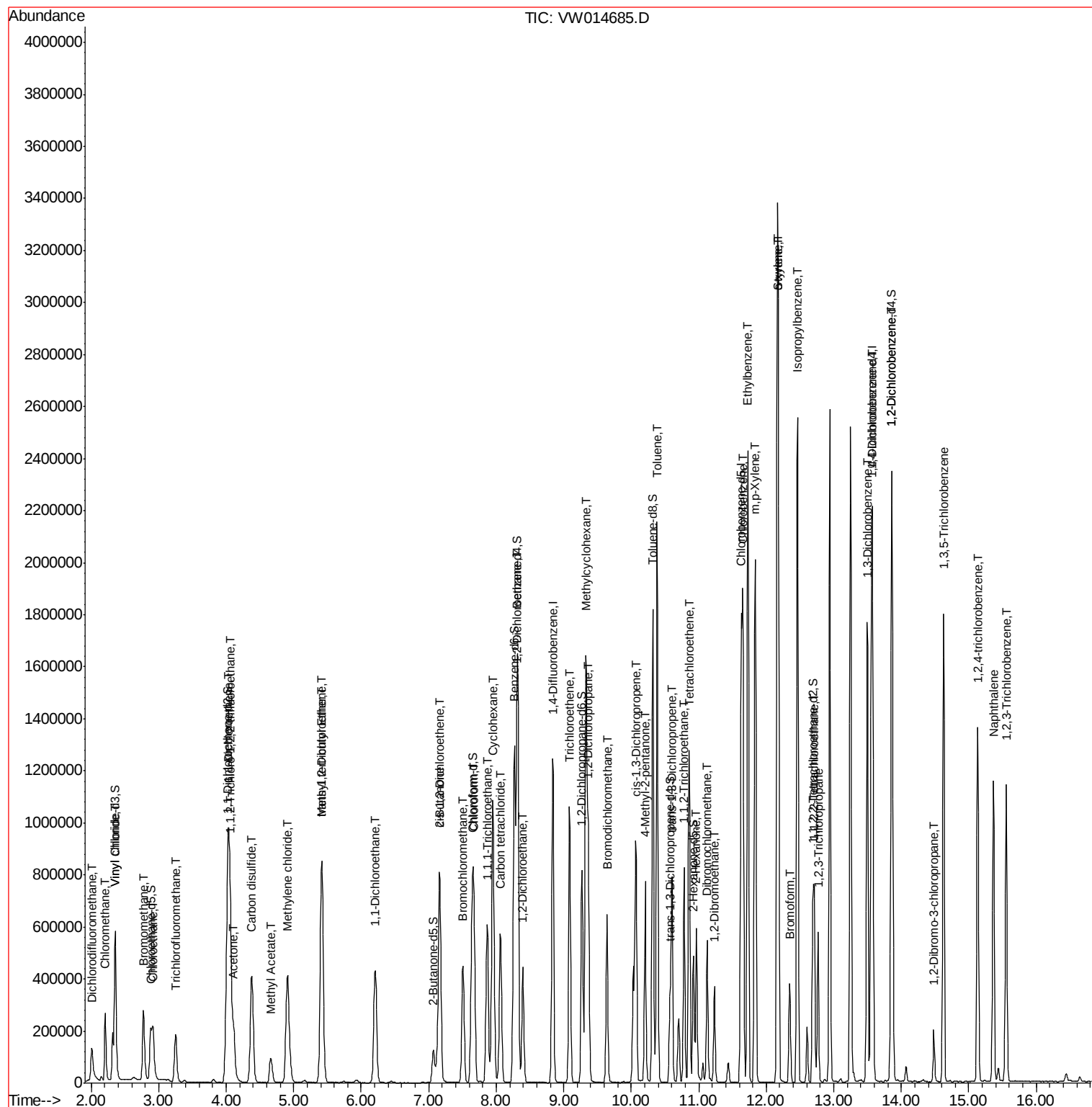
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.50	128	167275	24.93	ug/L	98
25) Chloroform	7.67	83	621989	24.43	ug/L	99
27) 1,2-Dichloroethane	8.40	62	397524	24.05	ug/L	99
30) Cyclohexane	7.95	56	649813	26.48	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	497915	25.30	ug/L	99
32) Carbon tetrachloride	8.06	117	457079	24.93	ug/L	99
34) Benzene	8.32	78	1489009	25.79	ug/L	100
35) Trichloroethene	9.09	95	376397	25.26	ug/L	98
36) Methylcyclohexane	9.33	83	689552	26.38	ug/L	98
40) 1,2-Dichloropropane	9.36	63	371370	25.41	ug/L	100
41) Bromodichloromethane	9.64	83	438344	24.94	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	573499	26.27	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	508820	54.24	ug/L	99
44) Toluene	10.38	91	1571281	26.04	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	451073	25.84	ug/L	98
46) 1,1,2-Trichloroethane	10.78	97	265467	25.65	ug/L	96
47) Tetrachloroethene	10.86	164	318054	25.42	ug/L	97
49) 2-Hexanone	10.96	43	375082	58.55	ug/L	99
50) Dibromochloromethane	11.13	129	305058	25.95	ug/L	97
51) 1,2-Dibromoethane	11.23	107	257820	26.39	ug/L	98
52) Chlorobenzene	11.65	112	967708	25.37	ug/L	99
53) Ethylbenzene	11.73	91	1741697	26.25	ug/L	99
54) m,p-Xylene	11.83	106	662816	26.40	ug/L	100
55) o-xylene	12.16	106	622710	26.26	ug/L	97
56) Styrene	12.18	104	1063629	26.65	ug/L	95
57) Isopropylbenzene	12.46	105	1696016	26.89	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	333564	26.54	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	249076	26.45	ug/L	99
62) Bromoform	12.35	173	182426	26.09	ug/L	96
63) 1,3-Dichlorobenzene	13.49	146	759833	25.64	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	755494	25.29	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	684770	25.78	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	52545	26.71	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	586967	26.74	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	474456	28.84	ug/L	100
69) Naphthalene	15.36	128	998937	35.17	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	433862	29.10	ug/L	98

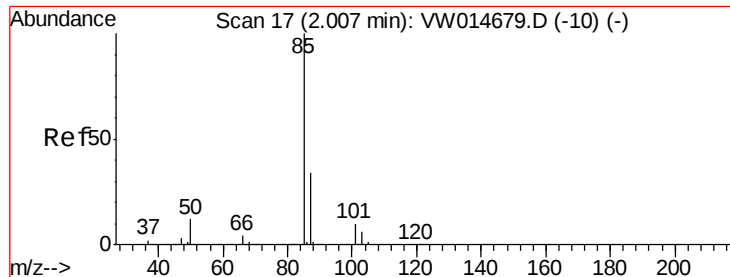
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.71 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

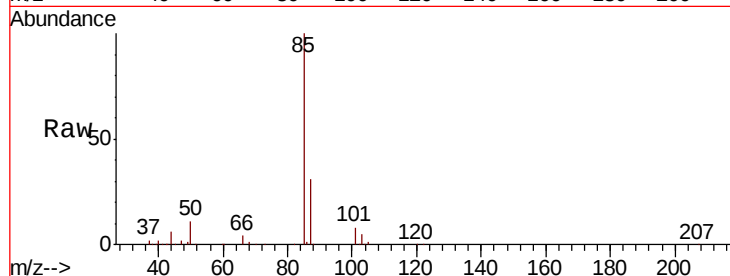
VSTD02519

Tgt Ion: 85 Resp: 212215

Ion Ratio Lower Upper

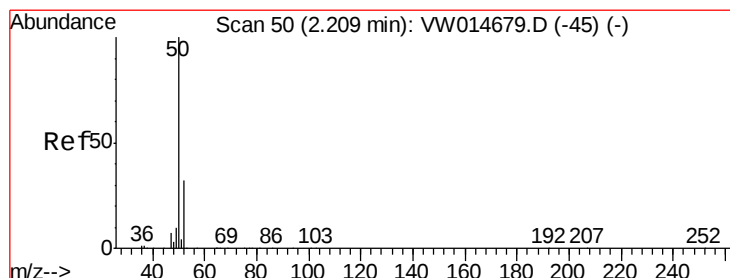
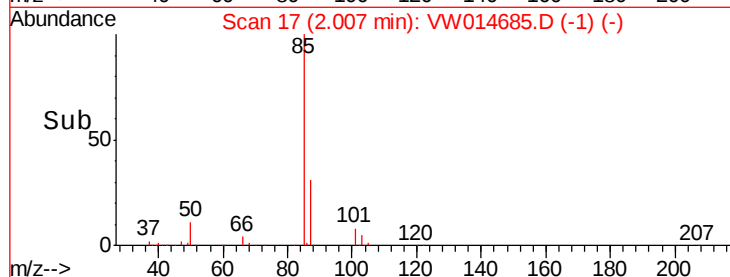
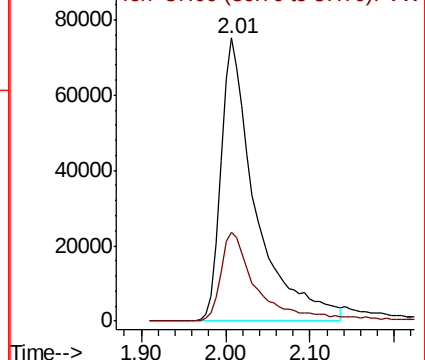
85 100

87 28.1 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.14 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014685.D

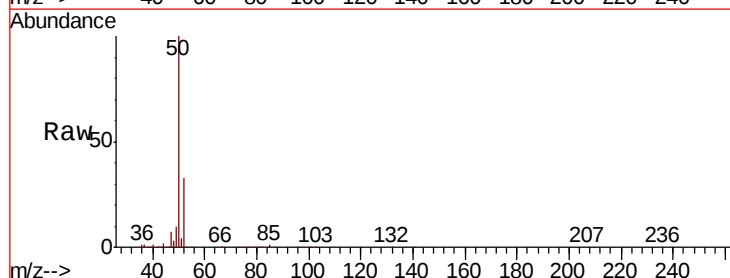
Acq: 17 Jan 2020 15:33

Tgt Ion: 50 Resp: 233603

Ion Ratio Lower Upper

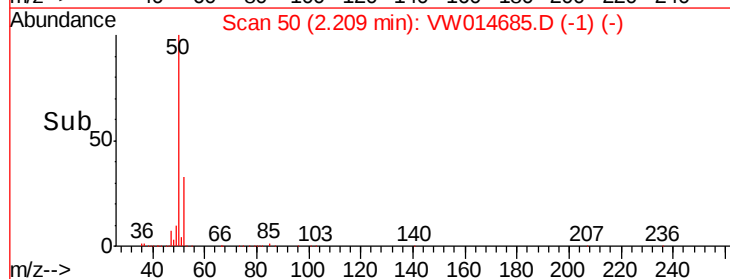
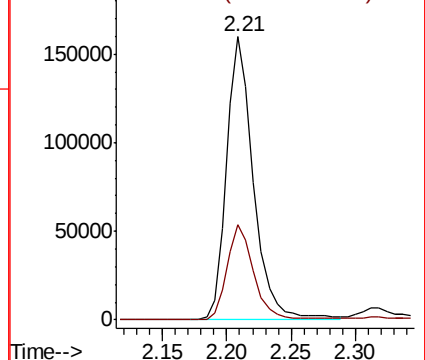
50 100

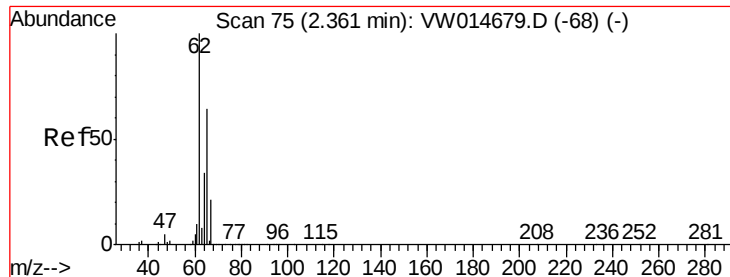
52 33.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.05 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

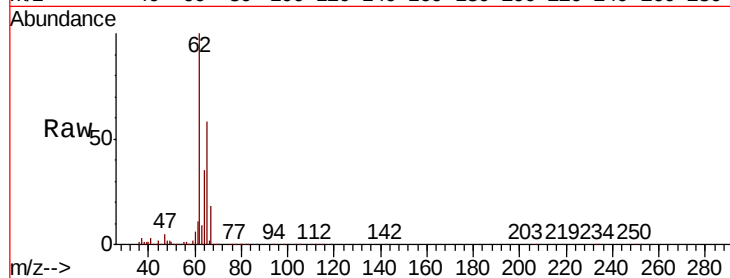
VSTD02519

Tgt Ion: 62 Resp: 378143

Ion Ratio Lower Upper

62 100

64 34.9 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

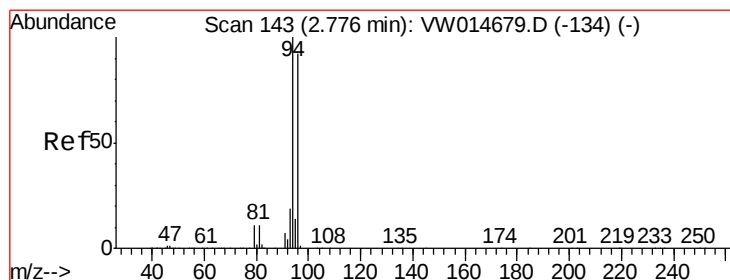
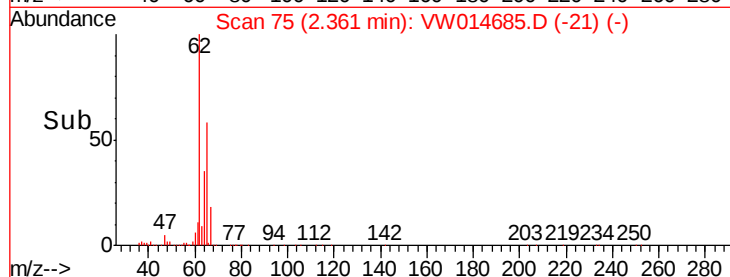
100000

50000

0

Time-->

2.30 2.35 2.40 2.45



#6

Bromomethane

Concen: 23.94 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014685.D

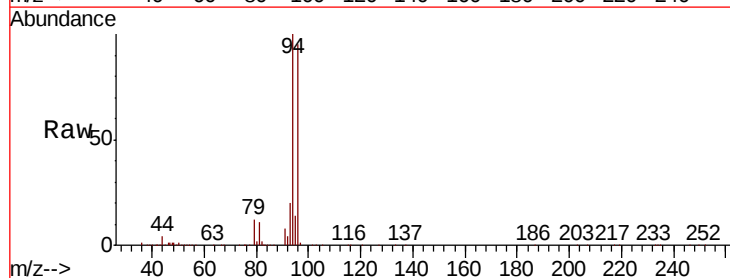
Acq: 17 Jan 2020 15:33

Tgt Ion: 94 Resp: 219818

Ion Ratio Lower Upper

94 100

96 95.0 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

100000

80000

60000

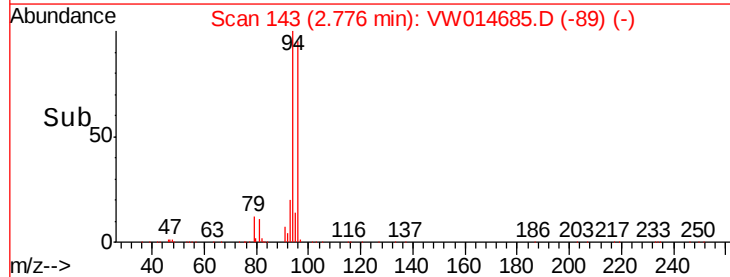
40000

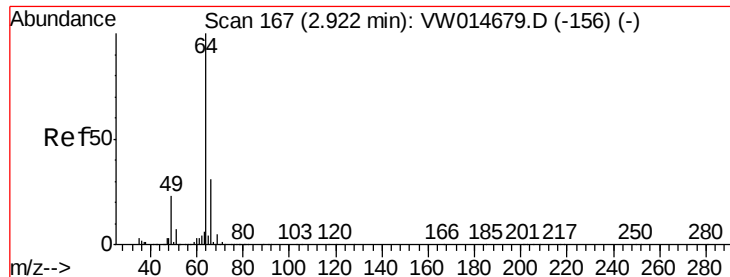
20000

0

Time-->

2.70 2.75 2.80 2.85 2.90

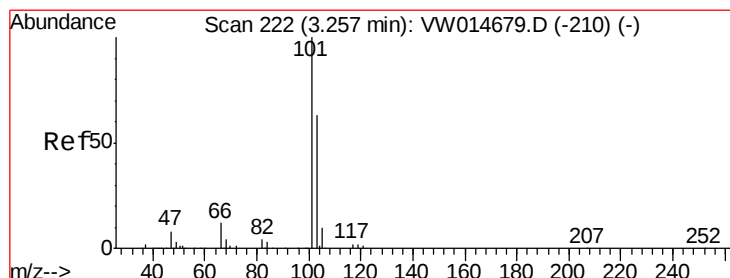
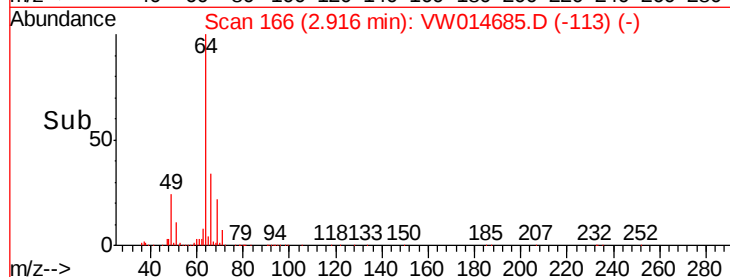
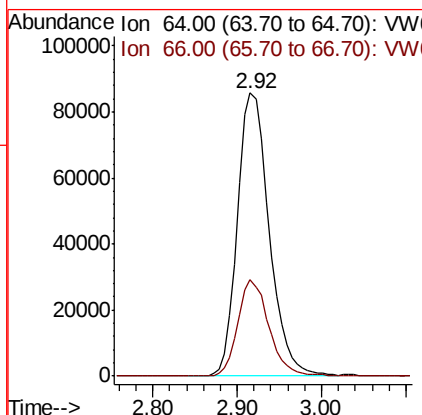
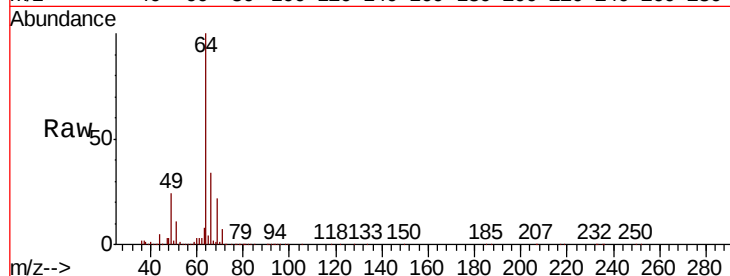




#8
Chloroethane
Concen: 24.82 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

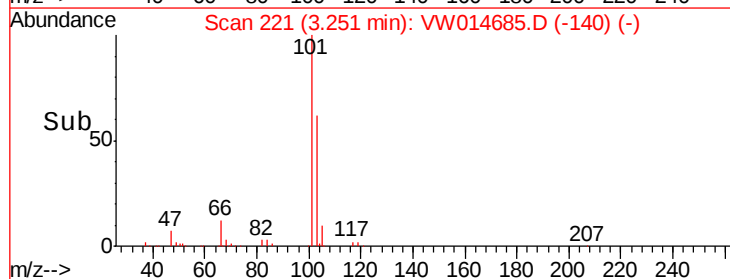
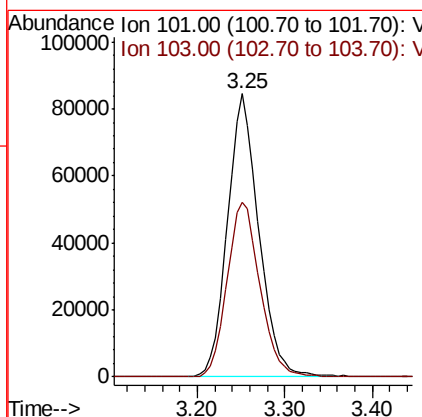
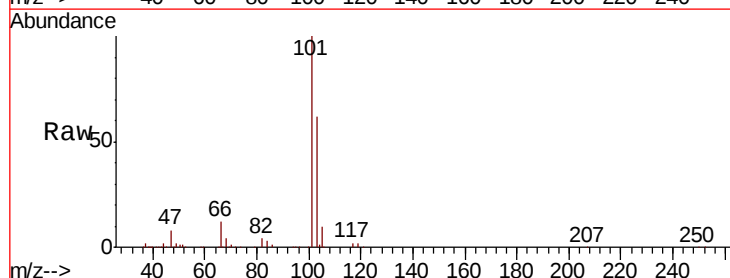
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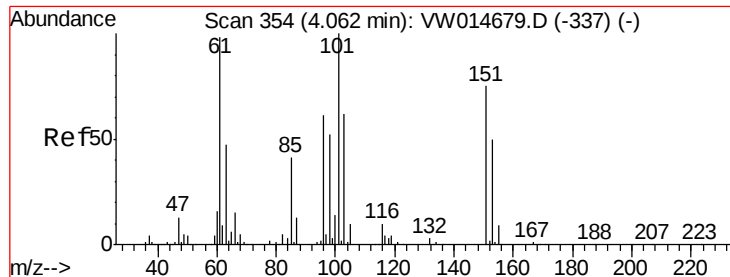
Tgt Ion: 64 Resp: 218194
Ion Ratio Lower Upper
64 100
66 34.3 22.5 41.7



#9
Trichlorofluoromethane
Concen: 25.29 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 101 Resp: 210286
Ion Ratio Lower Upper
101 100
103 64.6 45.5 84.5





#11

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

Concen: 24.69 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

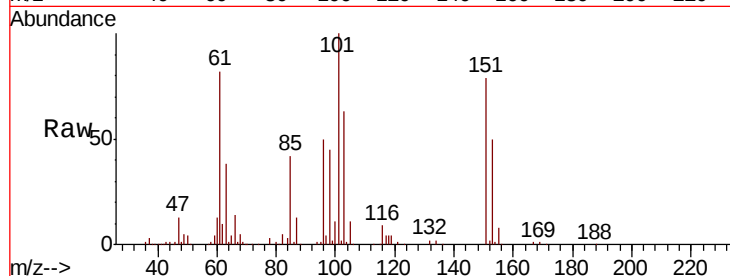
Tgt Ion:101 Resp: 352528

Ion Ratio Lower Upper

101 100

85 40.2 33.3 49.9

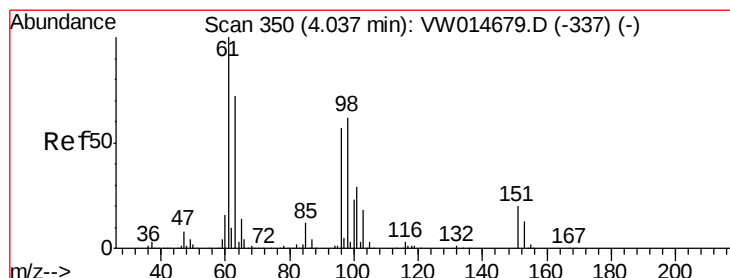
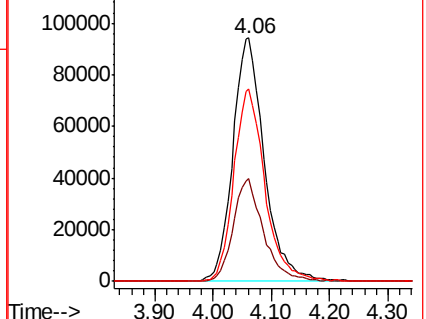
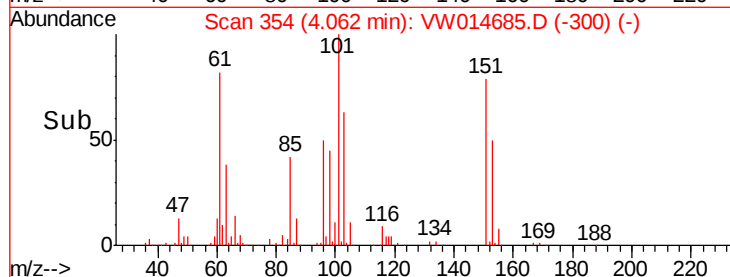
151 77.8 62.5 93.7



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: 25.00 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

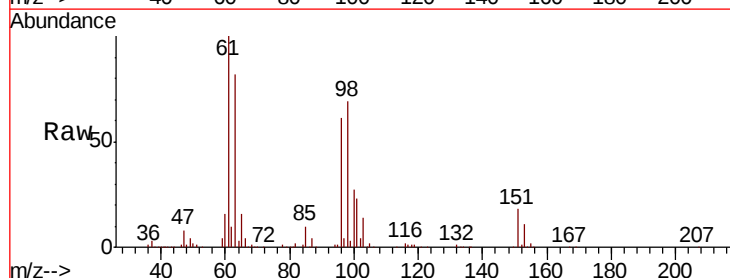
Tgt Ion: 96 Resp: 349517

Ion Ratio Lower Upper

96 100

61 164.7 114.2 212.0

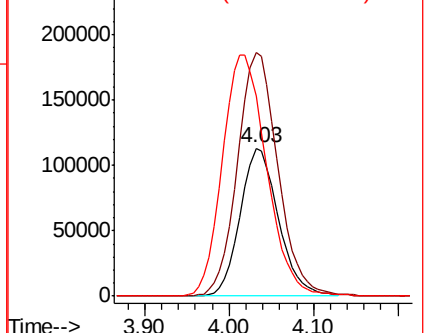
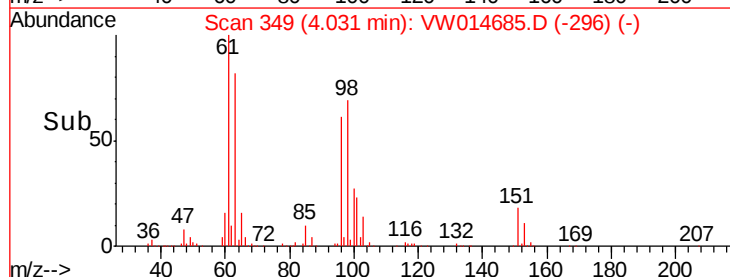
63 135.3 78.6 146.0

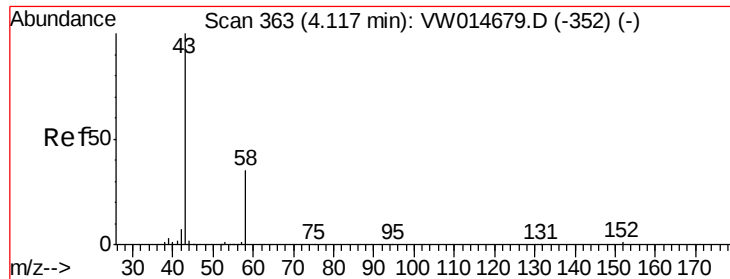


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.63 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

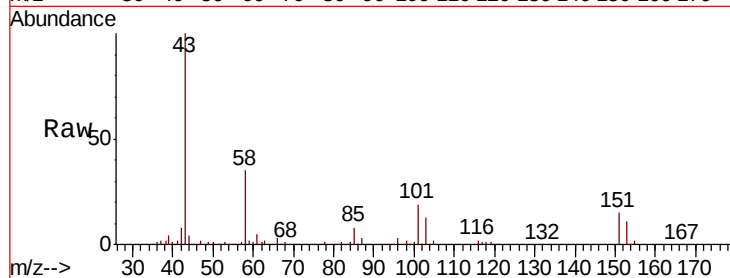
VSTD02519

Tgt Ion: 43 Resp: 221397

Ion Ratio Lower Upper

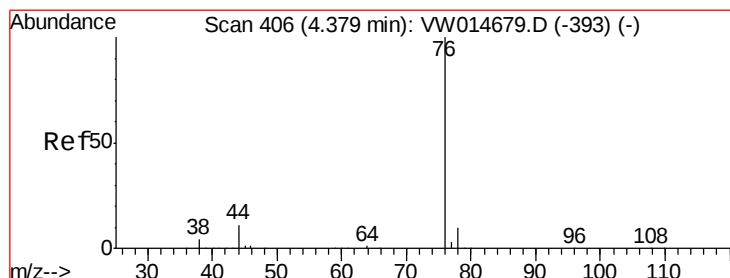
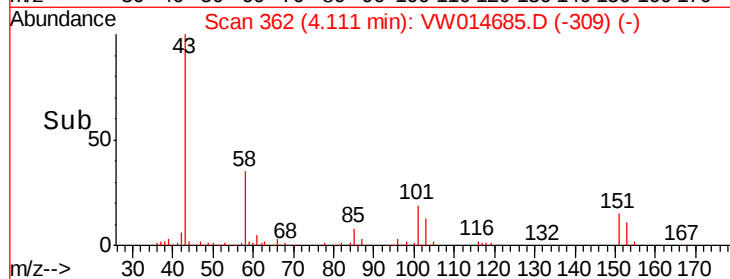
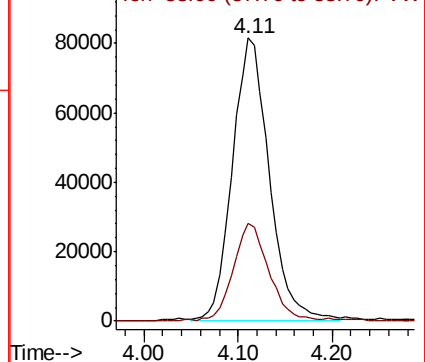
43 100

58 32.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.08 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014685.D

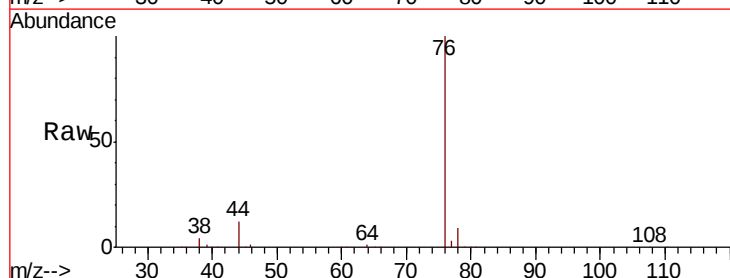
Acq: 17 Jan 2020 15:33

Tgt Ion: 76 Resp: 996085

Ion Ratio Lower Upper

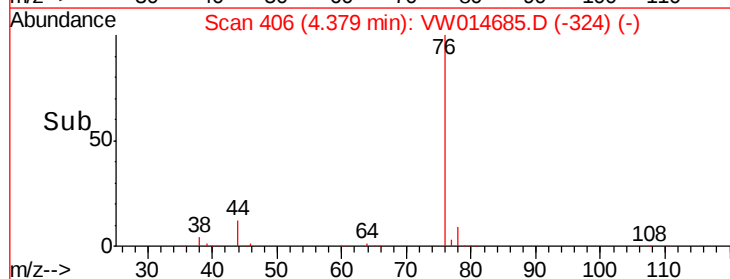
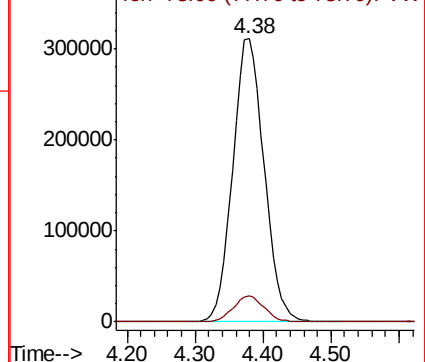
76 100

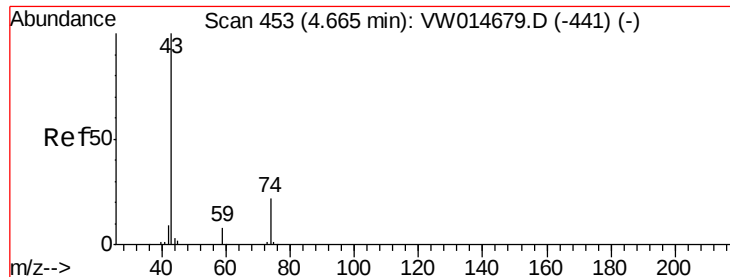
78 9.1 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

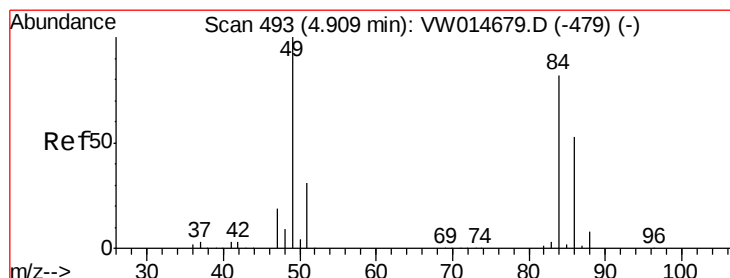
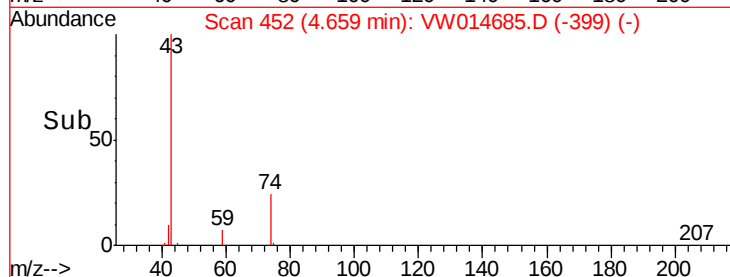
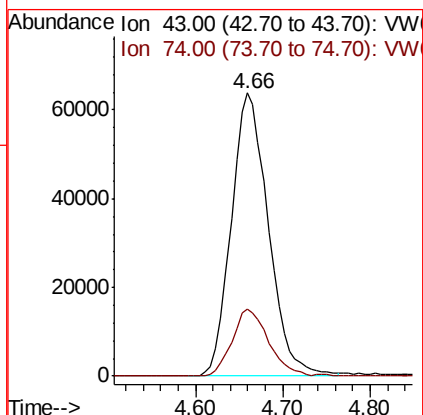
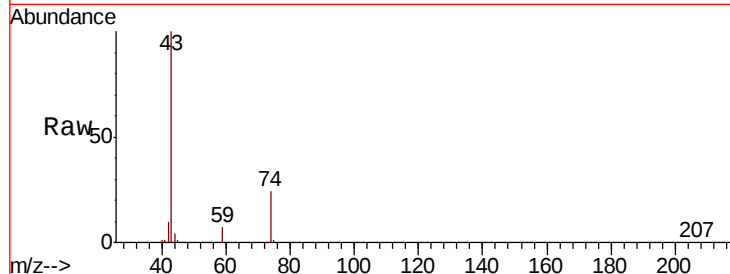




#15
Methyl Acetate
Concen: 27.35 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

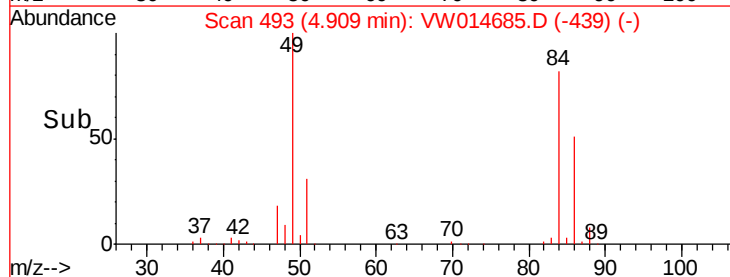
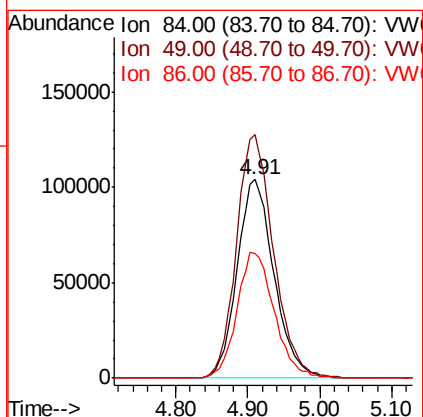
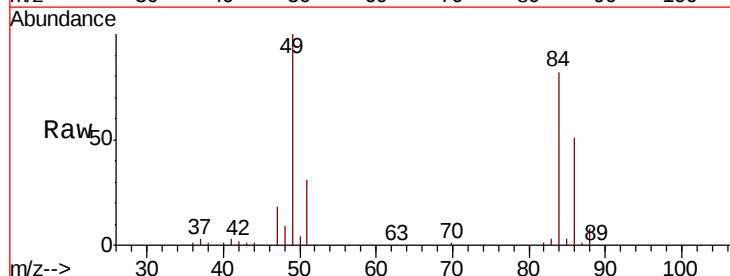
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

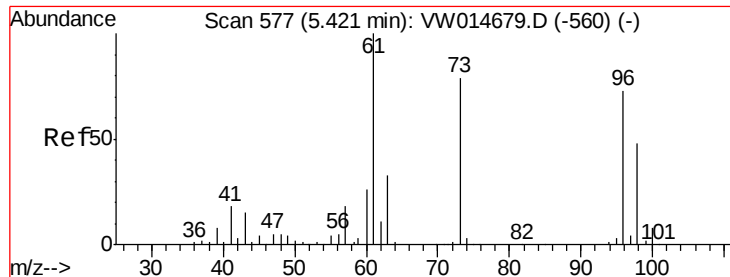
Tgt Ion: 43 Resp: 187281
Ion Ratio Lower Upper
43 100
74 23.3 18.3 27.5



#16
Methylene chloride
Concen: 20.74 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 84 Resp: 369468
Ion Ratio Lower Upper
84 100
49 122.6 85.8 159.4
86 62.6 44.5 82.7

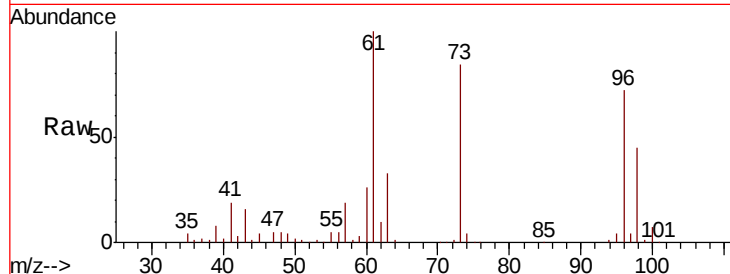




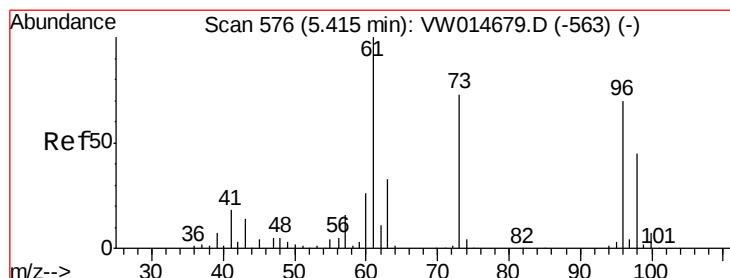
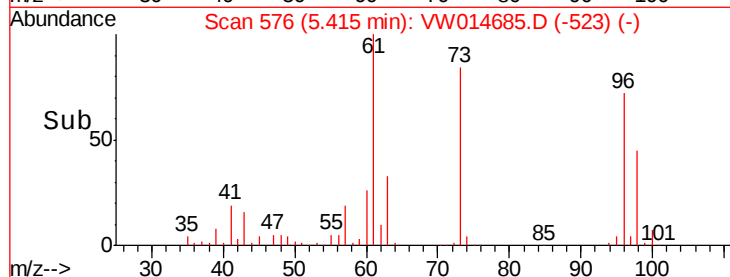
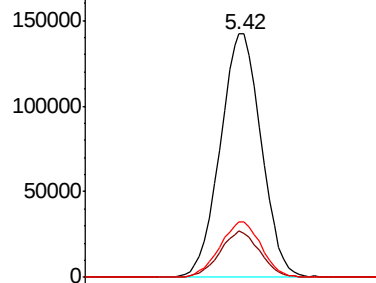
#17
Methyl tert-butyl Ether
Concen: 27.62 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

Tgt Ion: 73 Resp: 496981
Ion Ratio Lower Upper
73 100
43 18.4 15.7 23.5
57 23.0 18.3 27.5

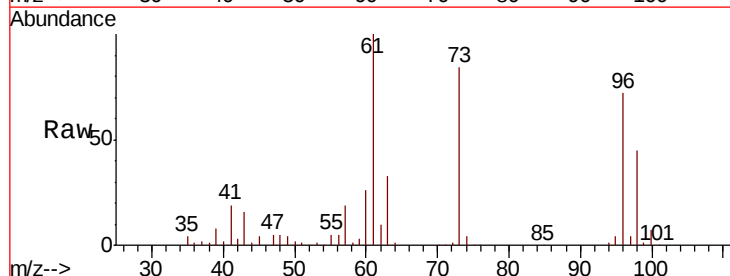


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

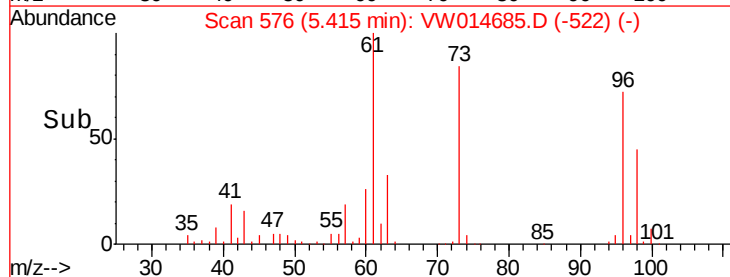
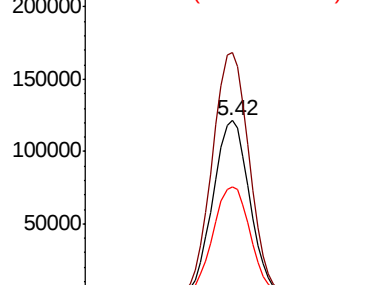


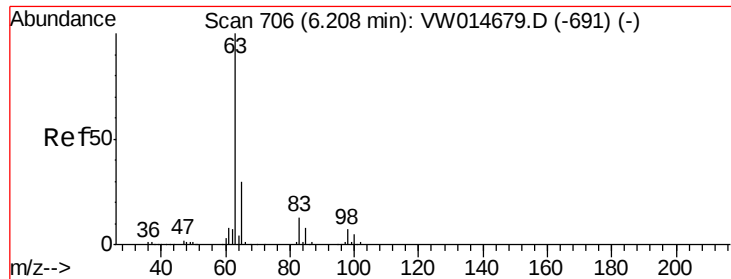
#18
trans-1,2-Dichloroethene
Concen: 24.74 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 96 Resp: 364296
Ion Ratio Lower Upper
96 100
61 138.8 98.2 182.4
98 62.5 44.1 81.9



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

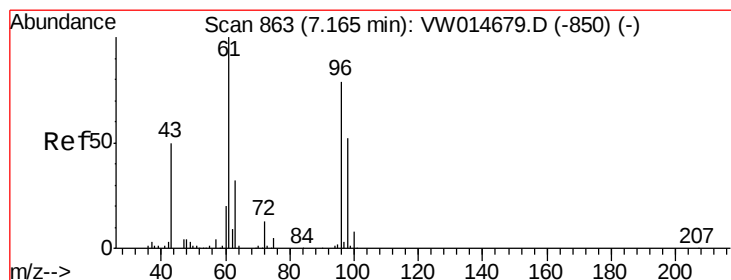
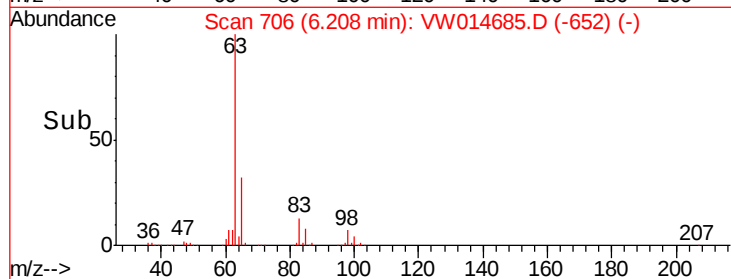
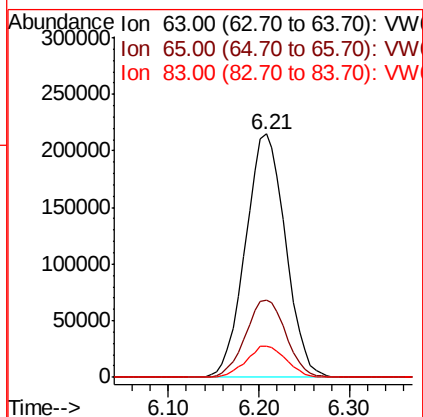
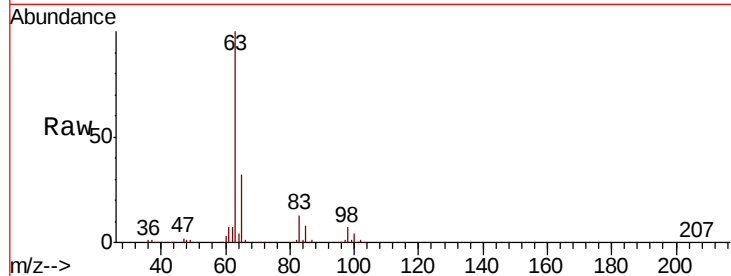




#19
 1,1-Dichloroethane
 Concen: 24.73 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

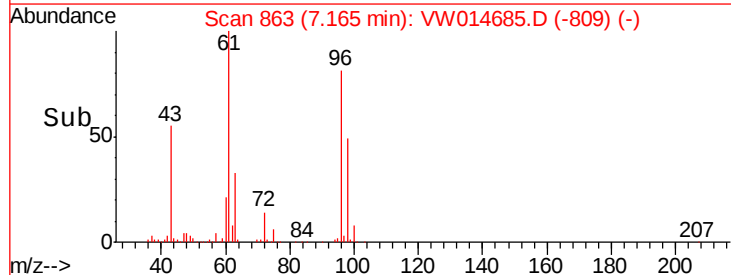
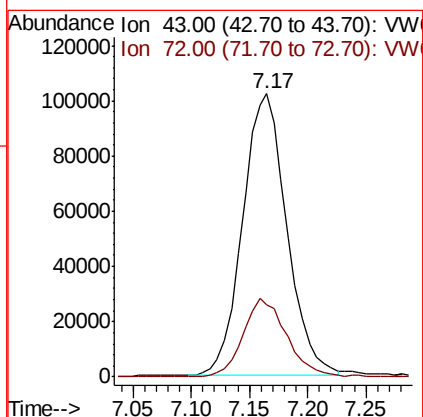
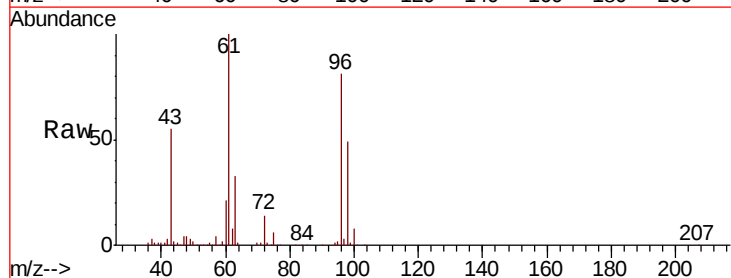
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

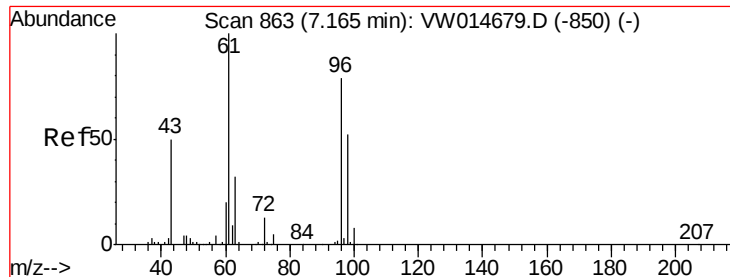
Tgt Ion: 63 Resp: 658269
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 12.9 9.0 16.8



#21
 2-Butanone
 Concen: 49.38 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Tgt Ion: 43 Resp: 268845
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.3 39.8



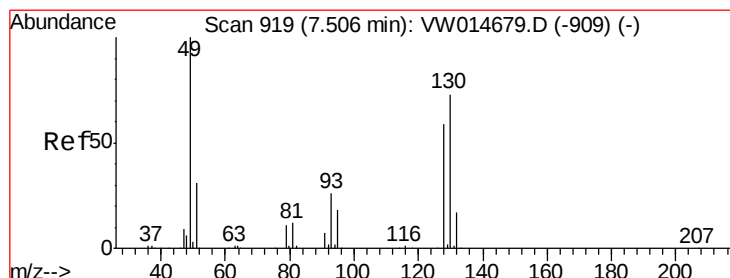
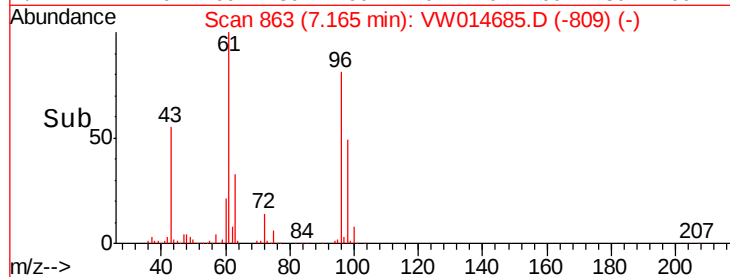
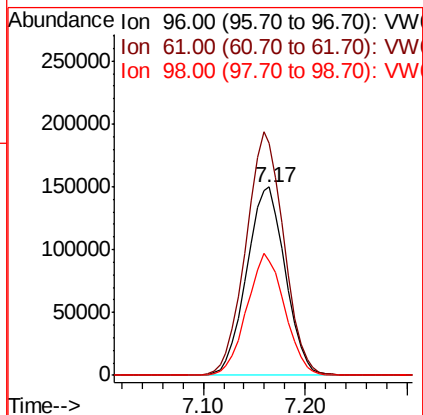
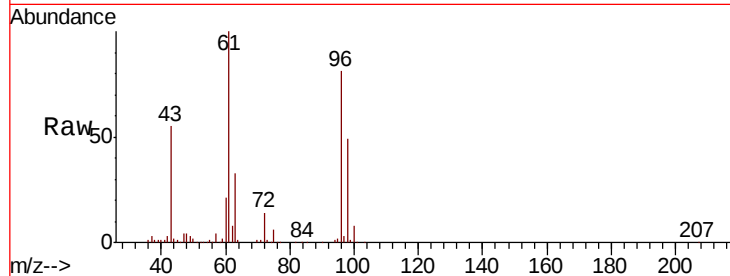


#22

cis-1,2-Dichloroethene
Concen: 25.50 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Instrument :
MSVOA_W
ClientSampled :
VSTD02519

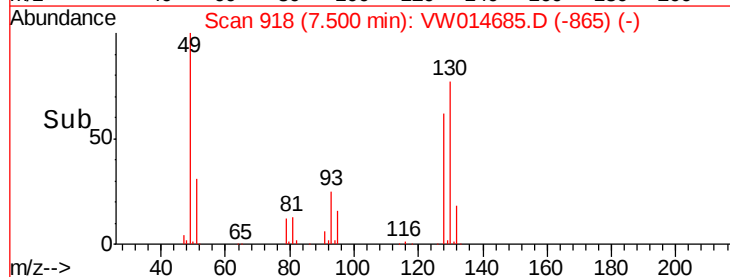
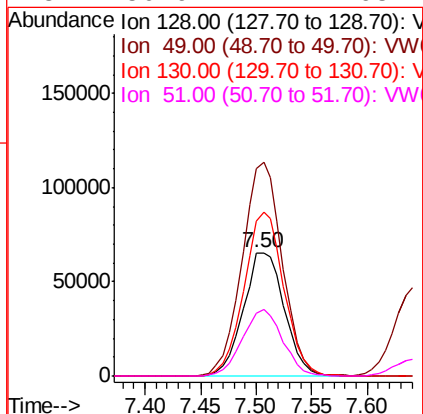
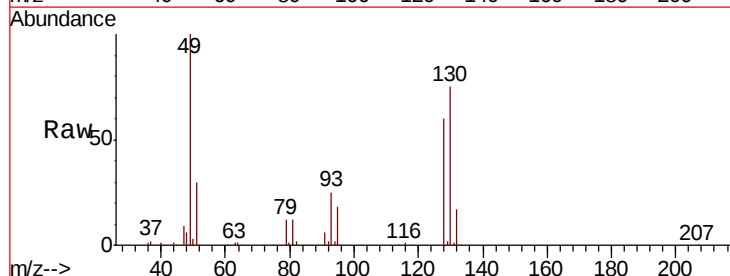
Tgt Ion: 96 Resp: 395331
Ion Ratio Lower Upper
96 100
61 123.6 91.5 169.9
98 61.1 46.9 87.1

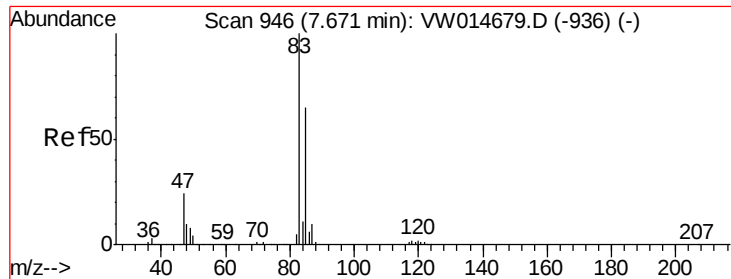


#23

Bromochloromethane
Concen: 24.93 ug/L
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 128 Resp: 167275
Ion Ratio Lower Upper
128 100
49 167.6 118.3 219.7
130 125.3 89.5 166.1
51 50.9 42.1 63.1

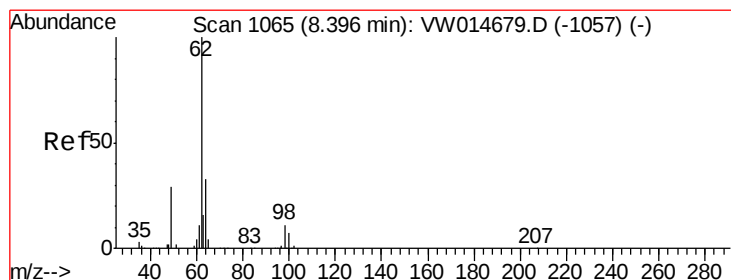
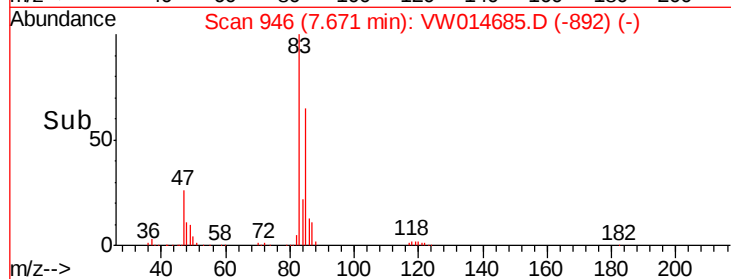
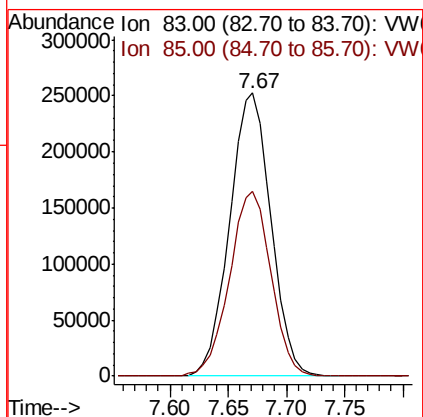
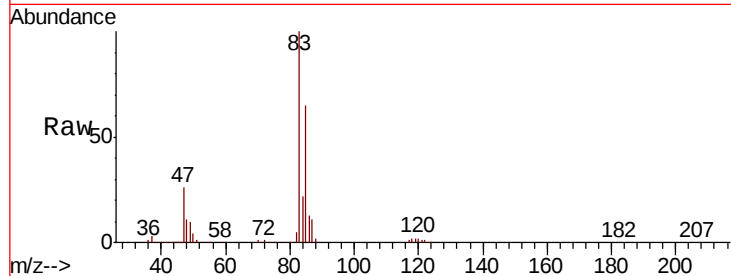




#25
Chloroform
Concen: 24.43 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

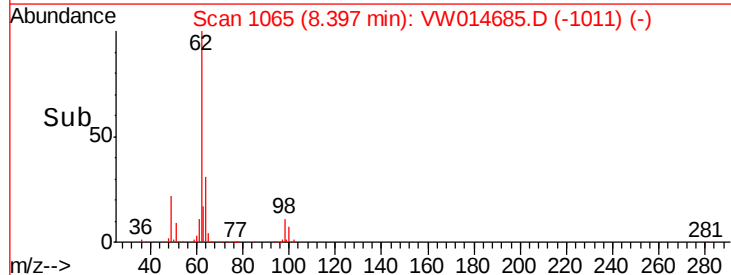
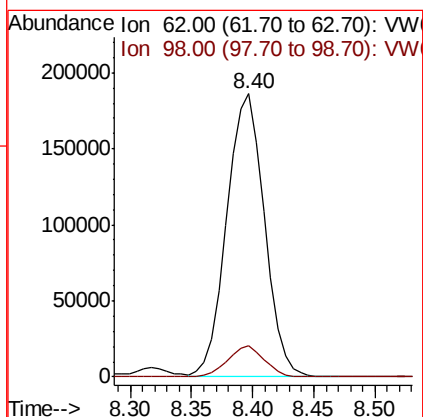
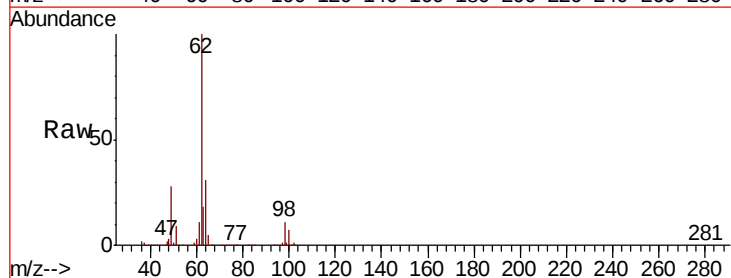
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

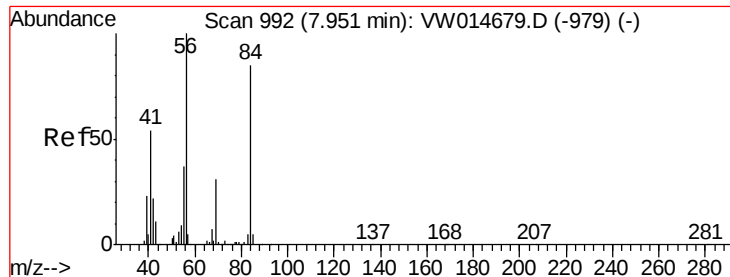
Tgt Ion: 83 Resp: 621989
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 24.05 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 62 Resp: 397524
Ion Ratio Lower Upper
62 100
98 11.0 8.3 12.5

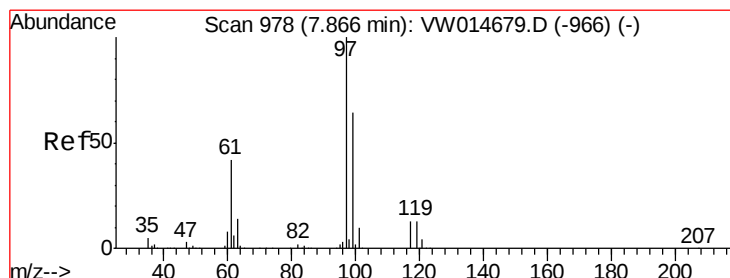
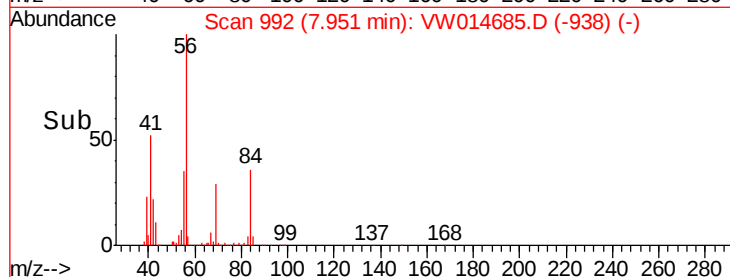
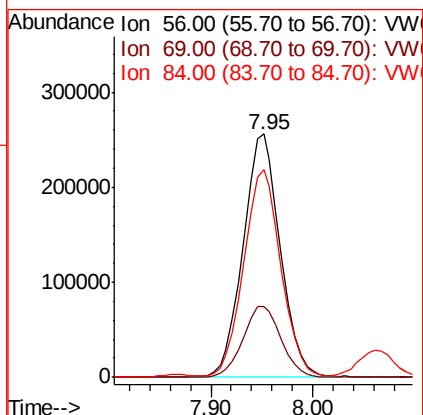
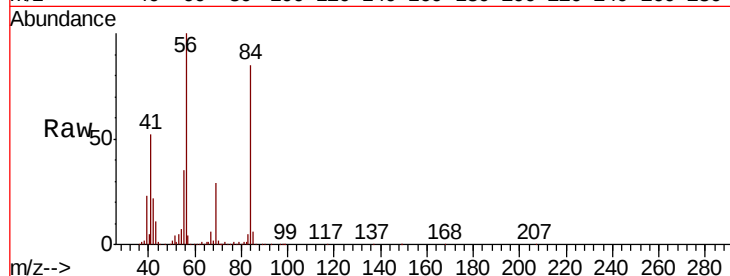




#30
Cyclohexane
Concen: 26.48 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

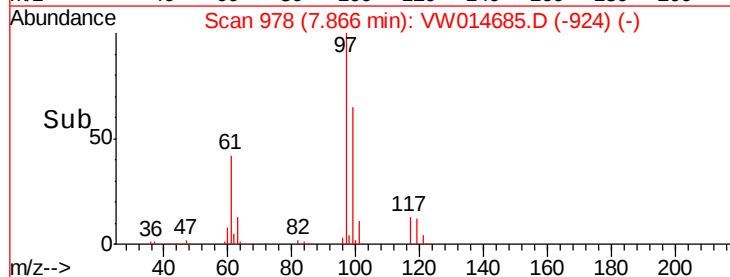
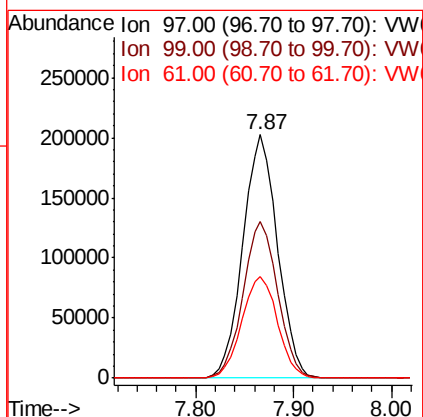
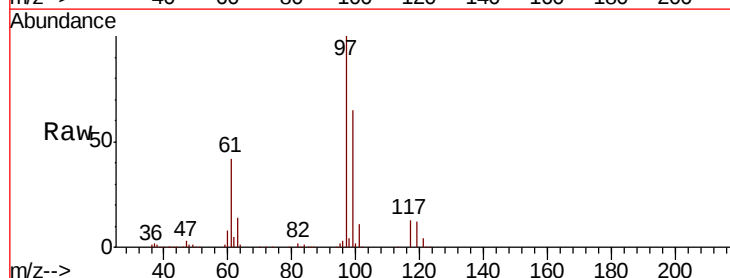
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

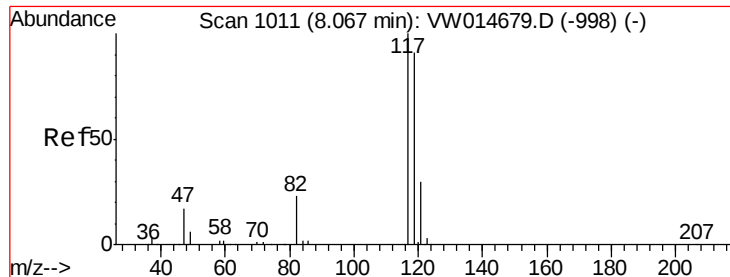
Tgt Ion: 56 Resp: 649813
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 85.6 68.2 102.2



#31
1,1,1-Trichloroethane
Concen: 25.30 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 97 Resp: 497915
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 42.9 35.3 52.9





#32

Carbon tetrachloride

Concen: 24.93 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

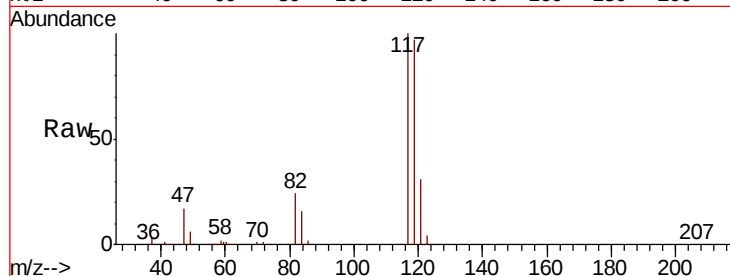
VSTD02519

Tgt Ion:117 Resp: 457079

Ion Ratio Lower Upper

117 100

119 96.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

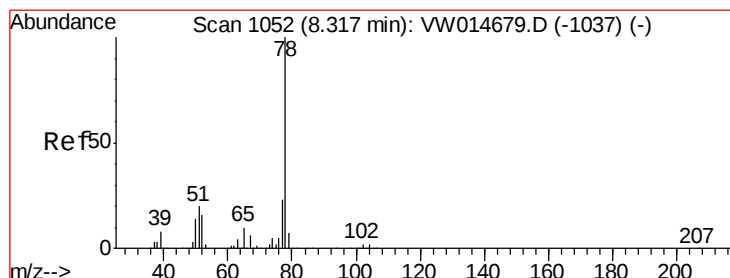
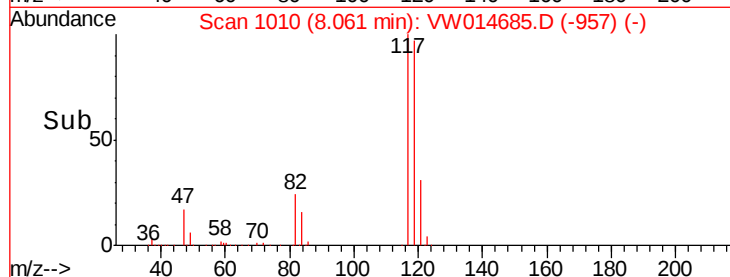
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.79 ug/L

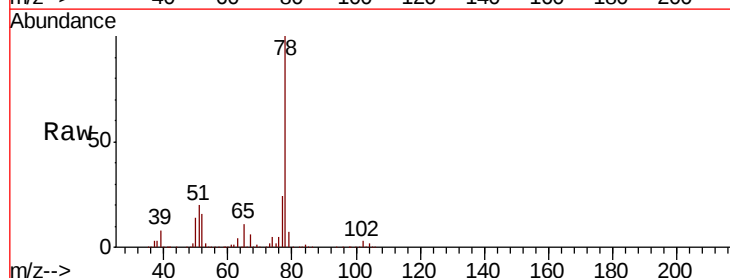
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Tgt Ion: 78 Resp: 1489009



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

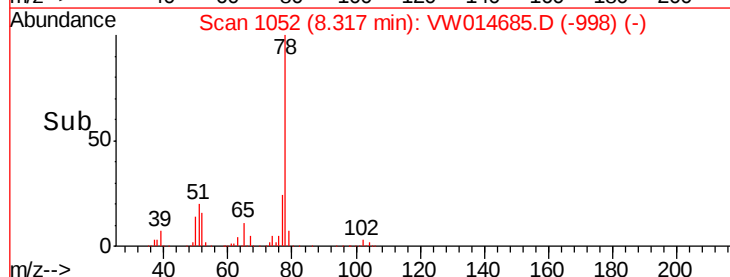
600000

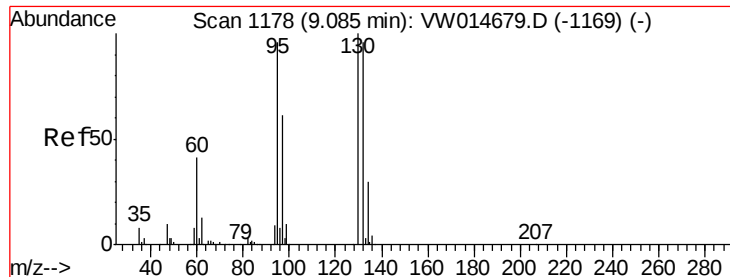
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 25.26 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tgt Ion: 95 Resp: 376397

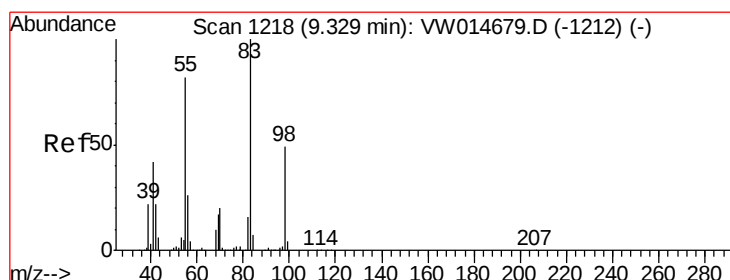
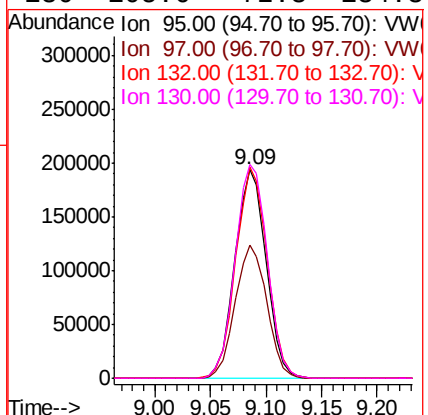
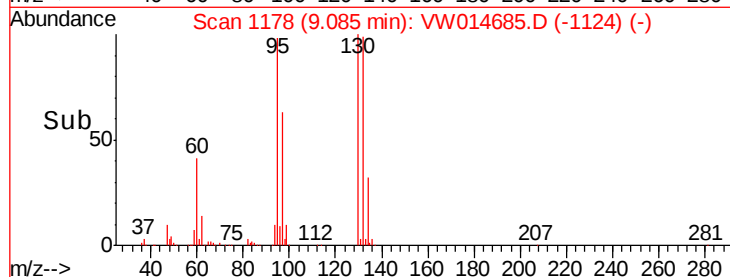
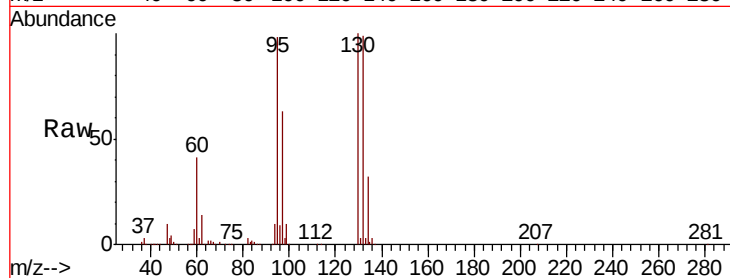
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 101.8 69.2 128.6

130 105.6 72.3 134.3



#36

Methylcyclohexane

Concen: 26.38 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

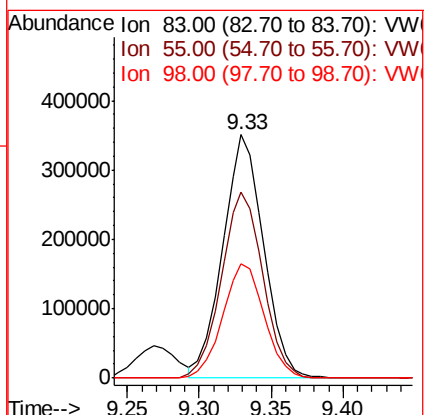
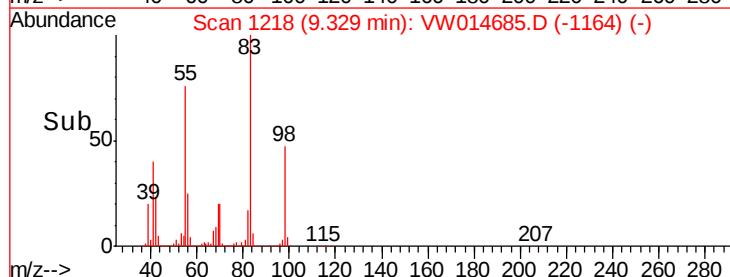
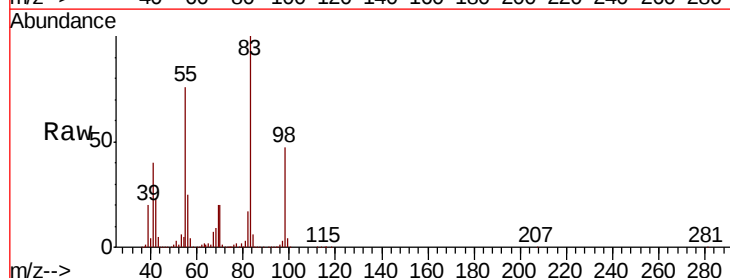
Tgt Ion: 83 Resp: 689552

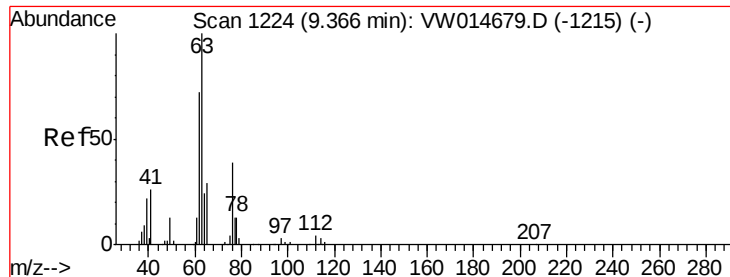
Ion Ratio Lower Upper

83 100

55 78.1 63.7 95.5

98 48.1 39.4 59.2

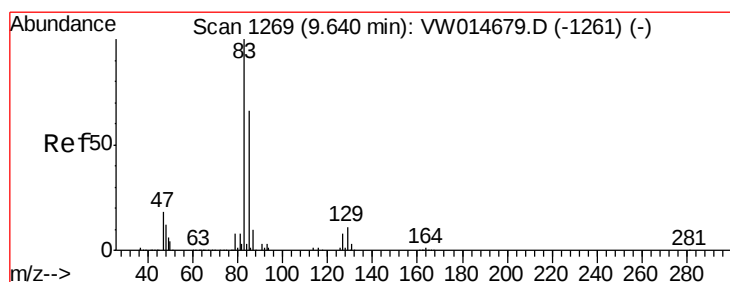
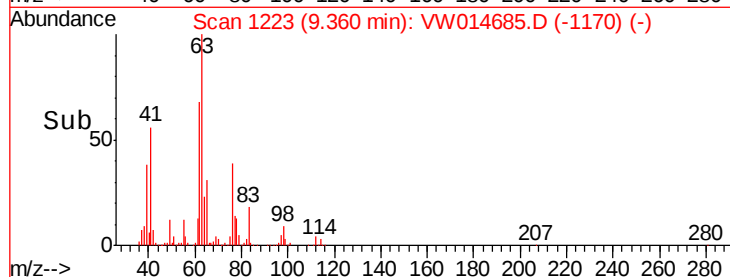
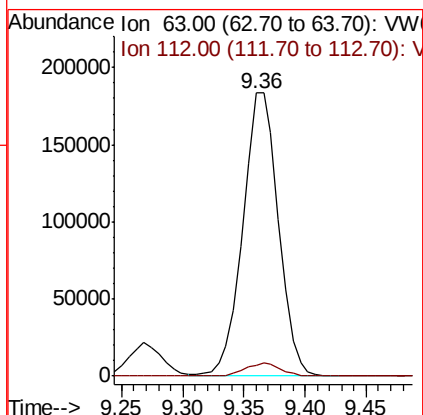
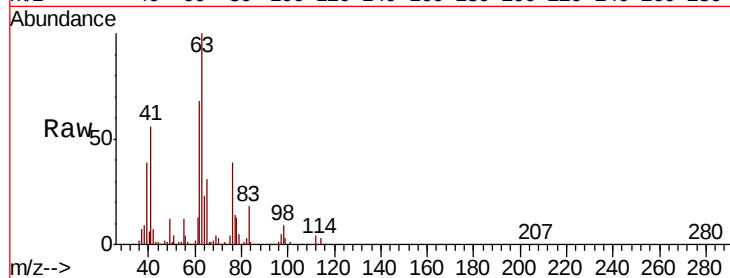




#40
 1,2-Dichloropropane
 Concen: 25.41 ug/L
 RT: 9.36 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

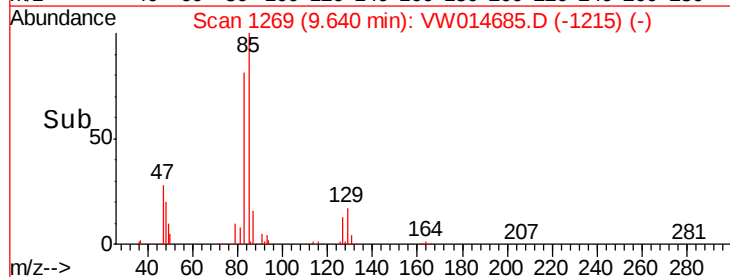
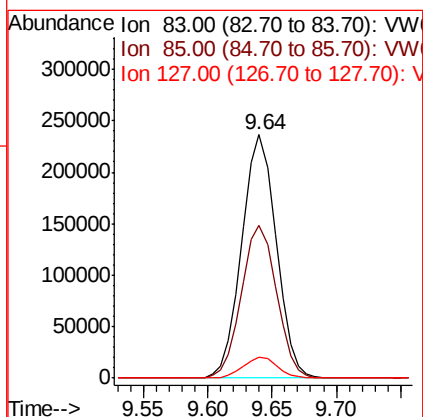
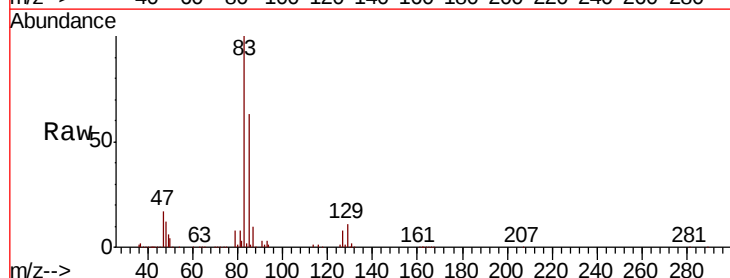
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

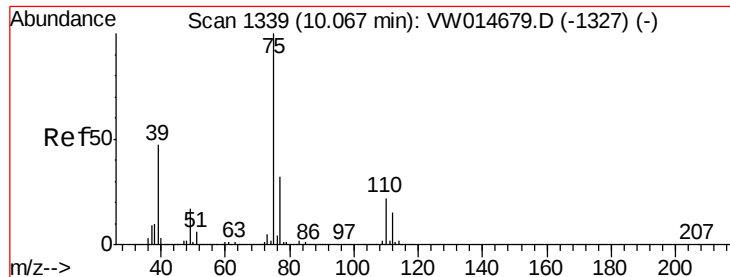
Tgt Ion: 63 Resp: 371370
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 24.94 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Tgt Ion: 83 Resp: 438344
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.7 83.1
 127 8.4 6.3 9.5





#42

cis-1,3-Dichloropropene

Concen: 26.27 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

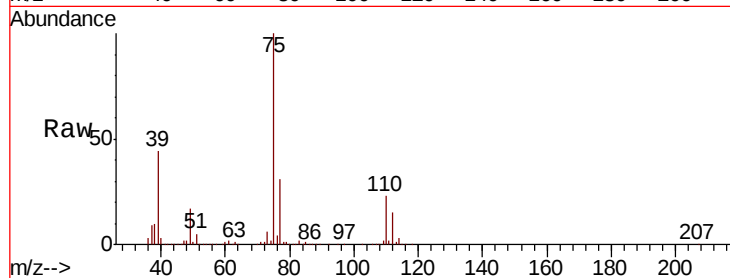
VSTD02519

Tgt Ion: 75 Resp: 573499

Ion Ratio Lower Upper

75 100

77 31.4 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

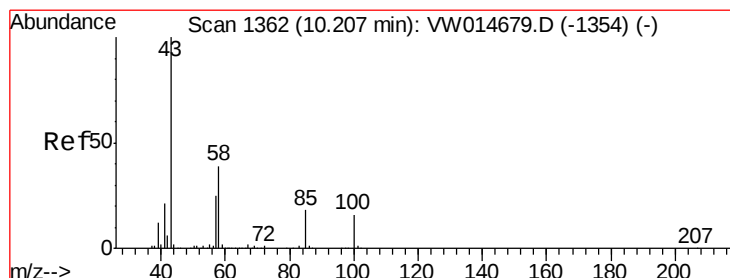
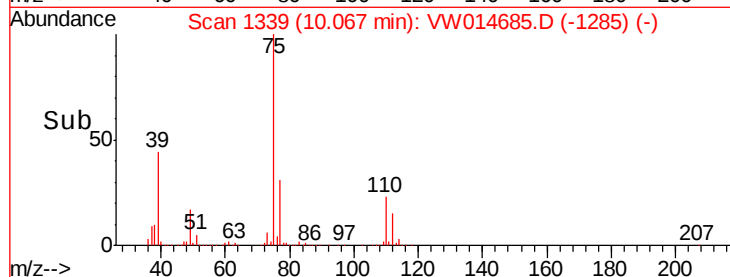
300000

200000

100000

0

Time--> 9.90 10.00 10.10 10.20



#43

4-Methyl-2-pentanone

Concen: 54.24 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

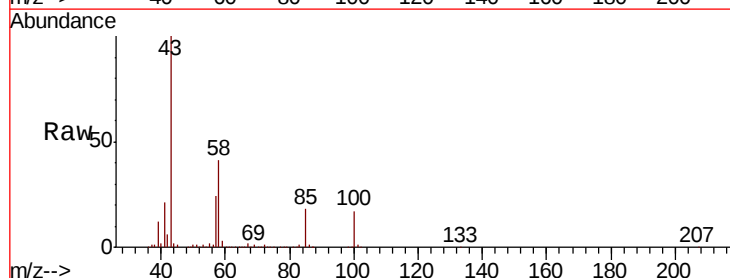
Tgt Ion: 43 Resp: 508820

Ion Ratio Lower Upper

43 100

58 40.7 32.6 48.8

100 16.7 12.6 19.0



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

600000

500000

400000

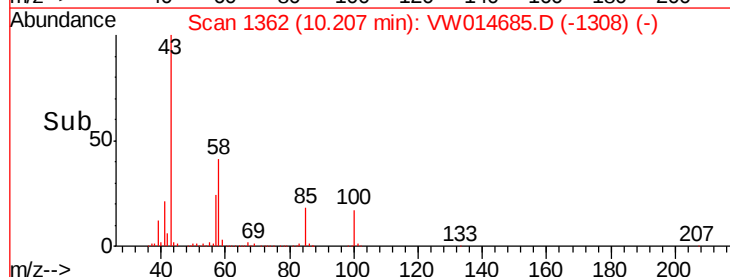
300000

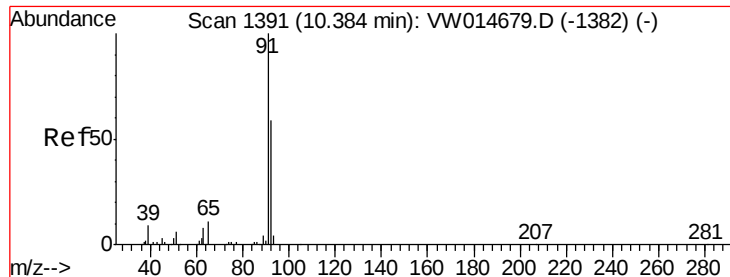
200000

100000

0

Time--> 10.20 10.30





#44

Toluene

Concen: 26.04 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

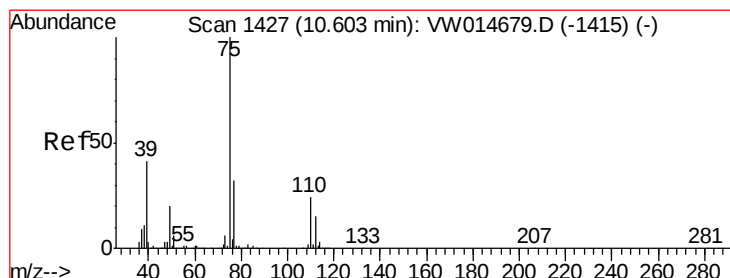
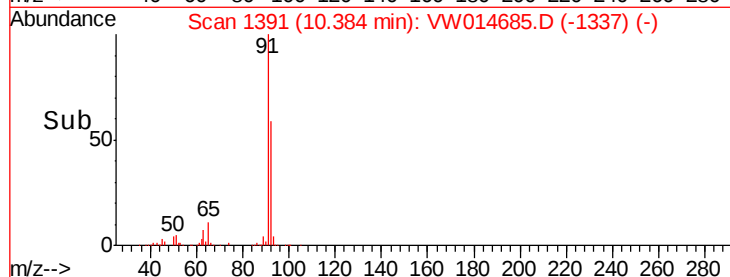
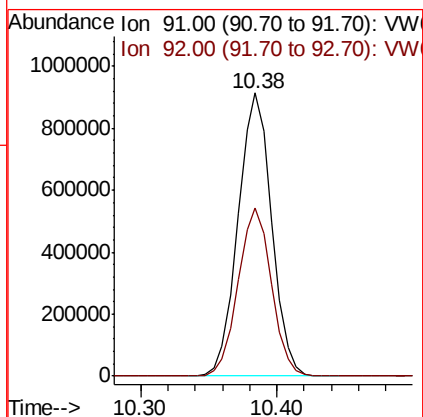
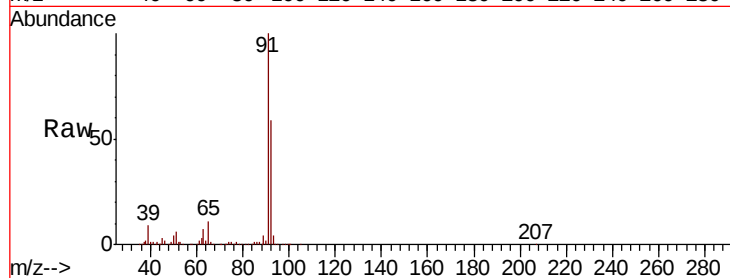
VSTD02519

Tgt Ion: 91 Resp: 1571281

Ion Ratio Lower Upper

91 100

92 59.3 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 25.84 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014685.D

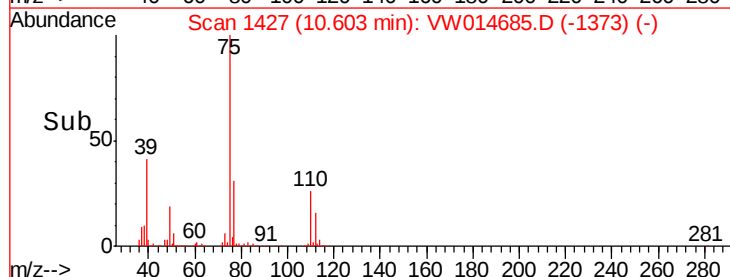
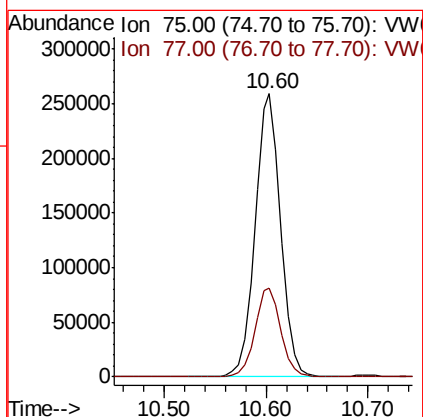
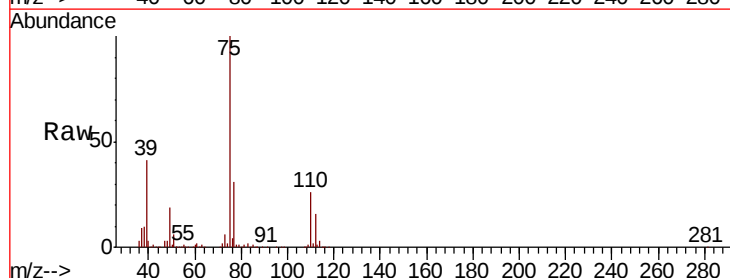
Acq: 17 Jan 2020 15:33

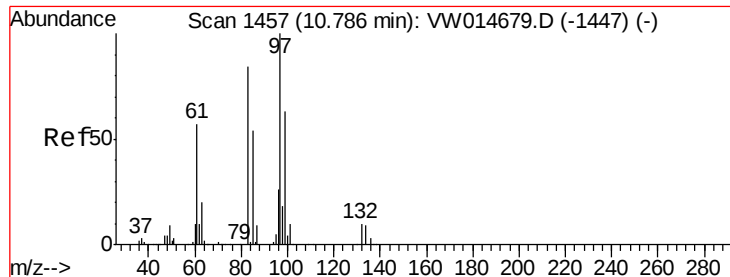
Tgt Ion: 75 Resp: 451073

Ion Ratio Lower Upper

75 100

77 31.2 21.1 39.3

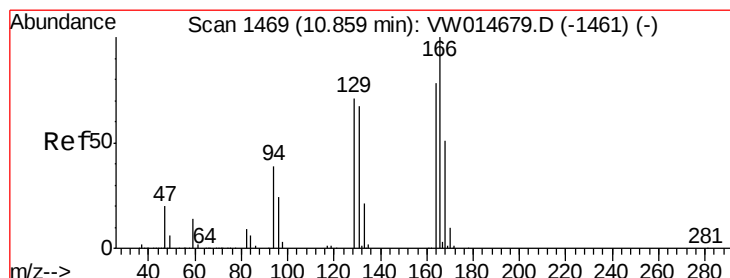
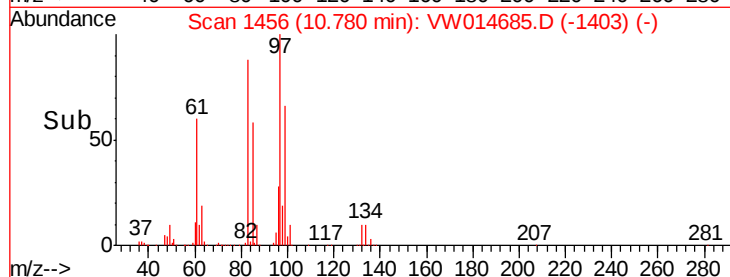
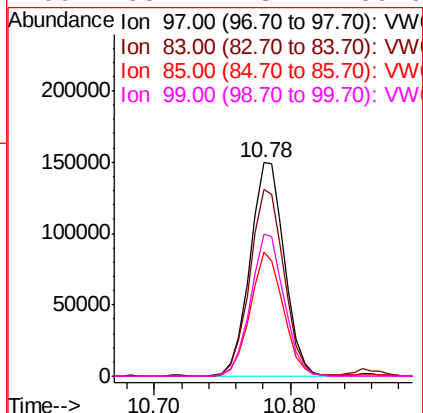
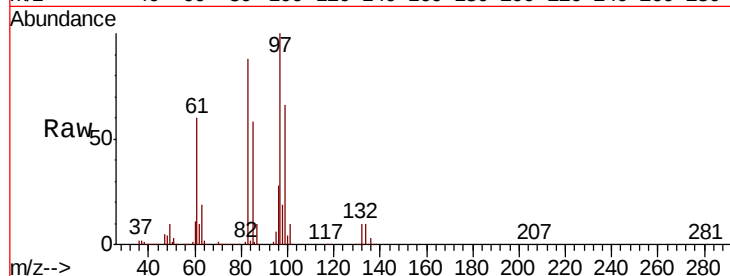




#46
 1,1,2-Trichloroethane
 Concen: 25.65 ug/L
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

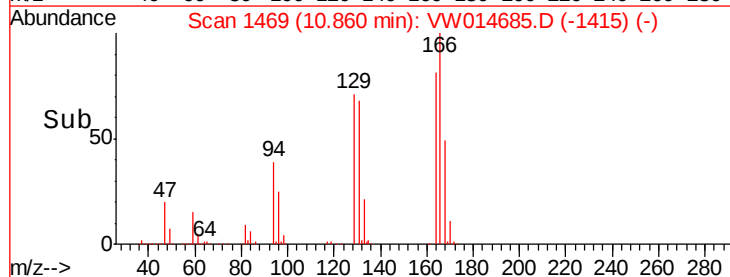
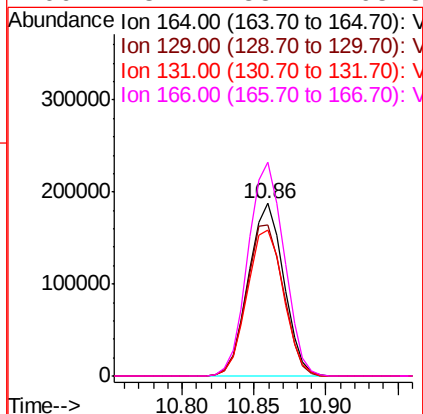
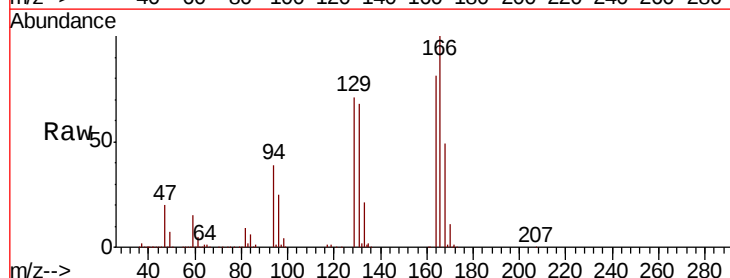
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

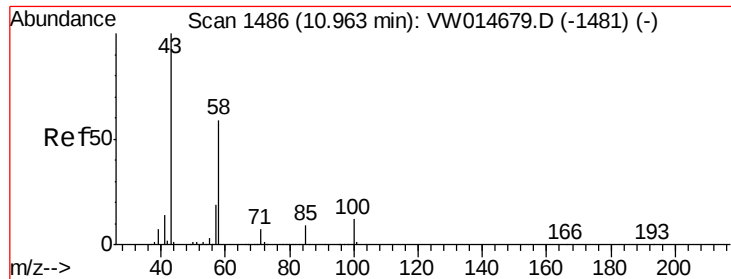
Tgt Ion:	97	Resp:	265467
Ion	Ratio	Lower	Upper
97	100		
83	87.8	60.1	111.5
85	58.0	38.1	70.9
99	66.4	43.4	80.6



#47
 Tetrachloroethene
 Concen: 25.42 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Tgt Ion:	164	Resp:	318054
Ion	Ratio	Lower	Upper
164	100		
129	87.5	64.0	118.8
131	84.5	60.2	111.8
166	123.7	88.2	163.8





#49

2-Hexanone

Concen: 58.55 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

Tgt Ion: 43 Resp: 375082

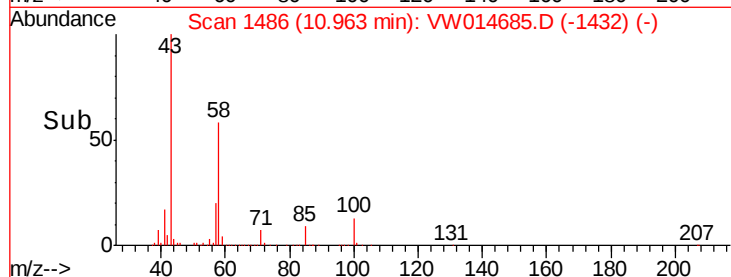
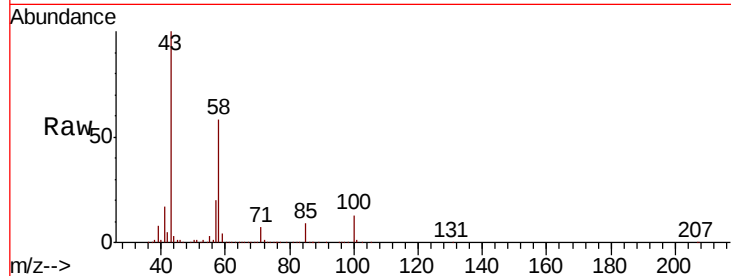
Ion Ratio Lower Upper

43 100

58 57.3 44.9 67.3

57 19.5 15.3 22.9

100 12.9 10.0 15.0

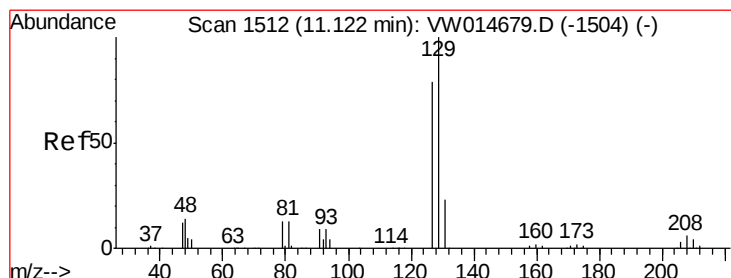
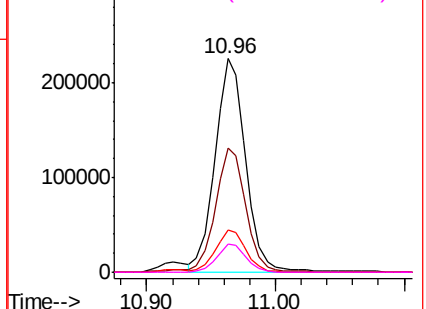


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.95 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW014685.D

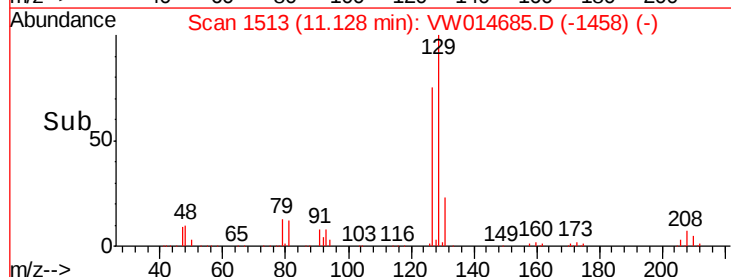
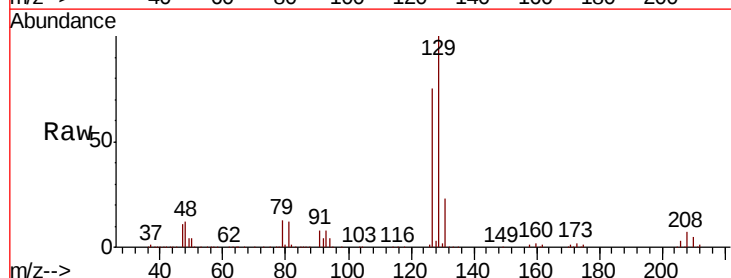
Acq: 17 Jan 2020 15:33

Tgt Ion: 129 Resp: 305058

Ion Ratio Lower Upper

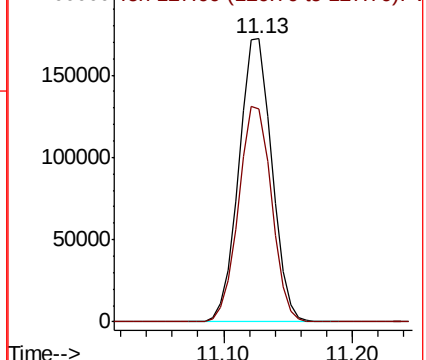
129 100

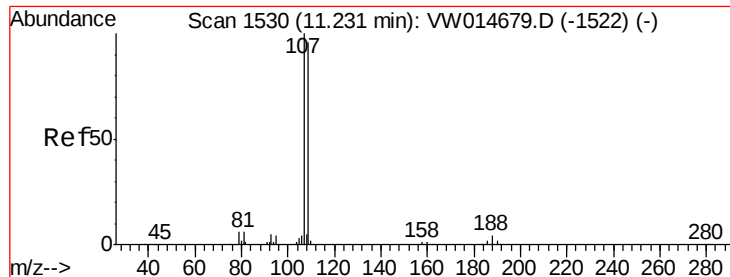
127 75.4 51.1 94.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

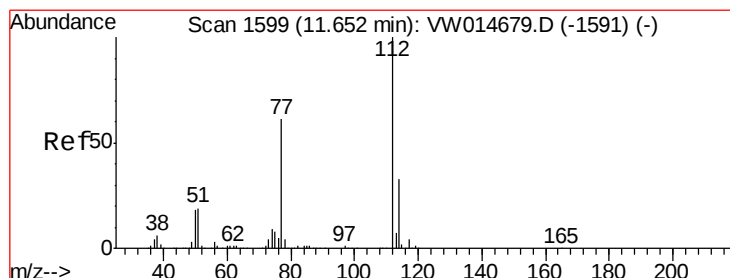
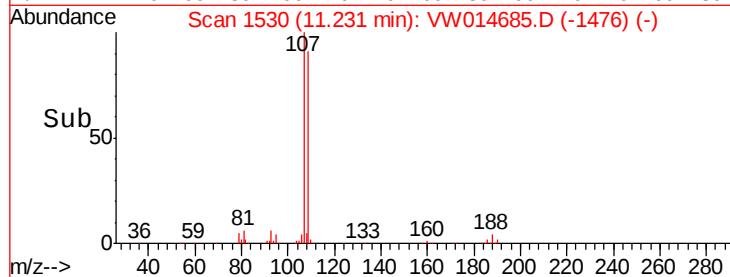
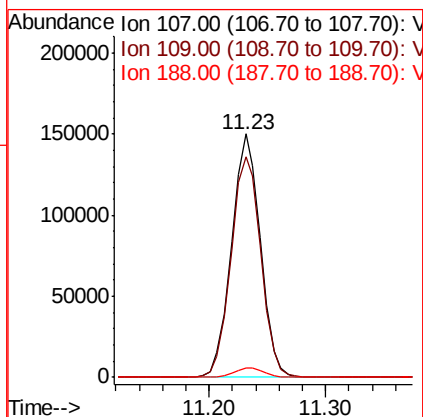
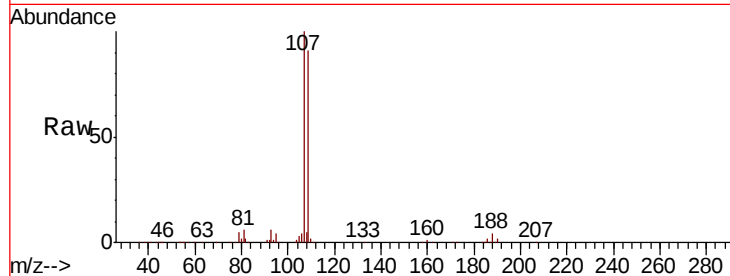




#51
1,2-Dibromoethane
Concen: 26.39 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

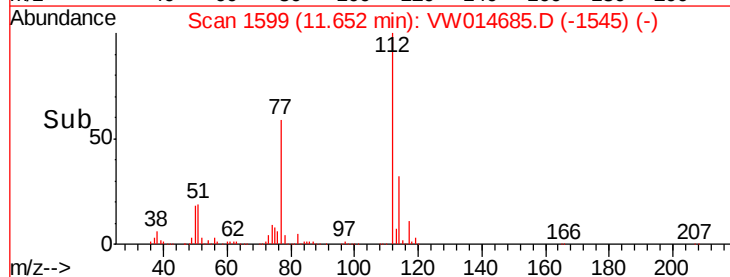
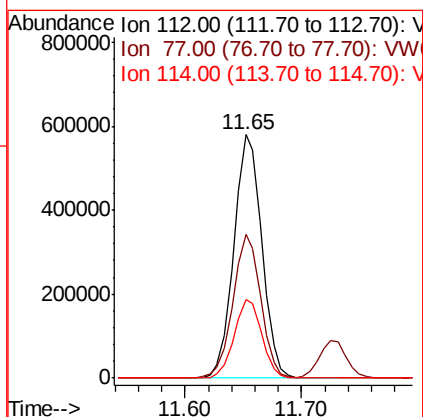
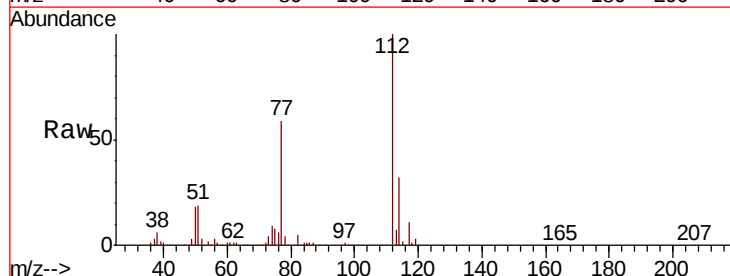
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

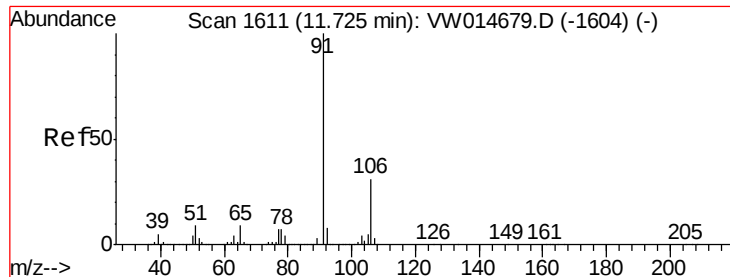
Tgt Ion:107 Resp: 257820
Ion Ratio Lower Upper
107 100
109 90.6 64.7 120.1
188 4.0 3.0 4.6



#52
Chlorobenzene
Concen: 25.37 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion:112 Resp: 967708
Ion Ratio Lower Upper
112 100
77 58.9 48.2 72.2
114 32.4 22.9 42.5

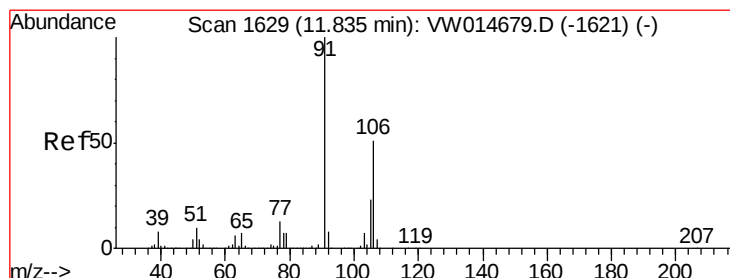
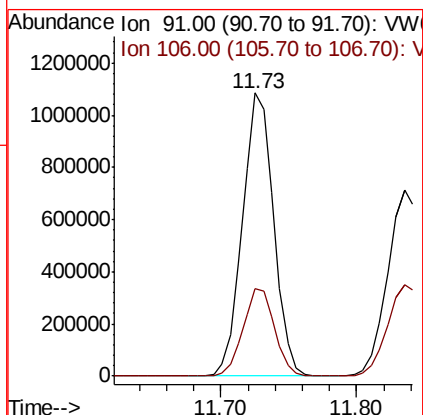
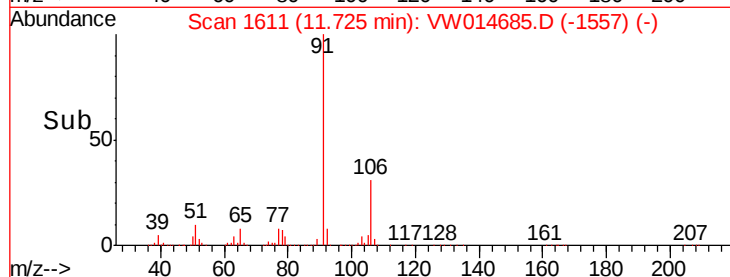
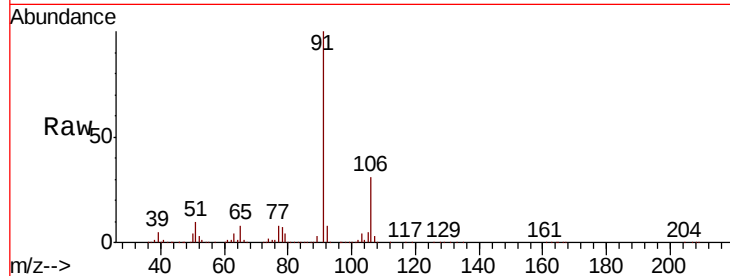




#53
Ethylbenzene
Concen: 26.25 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

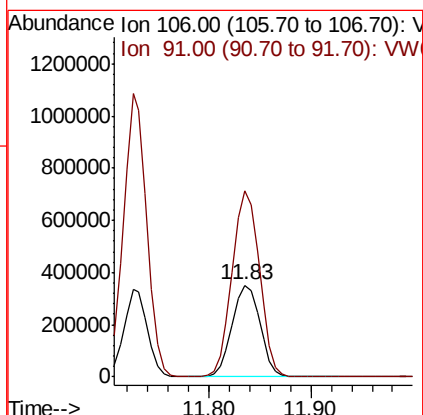
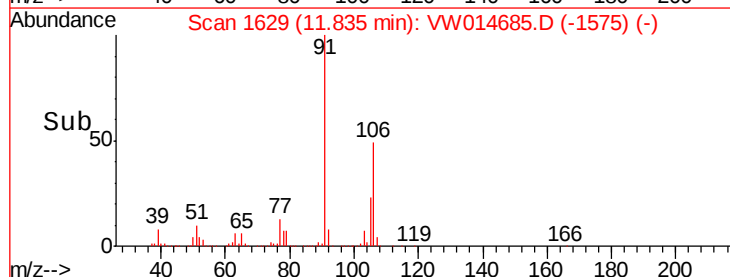
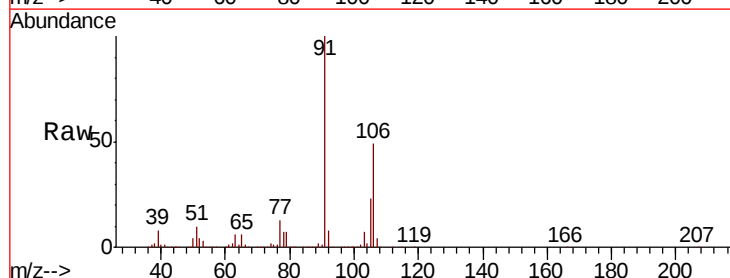
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

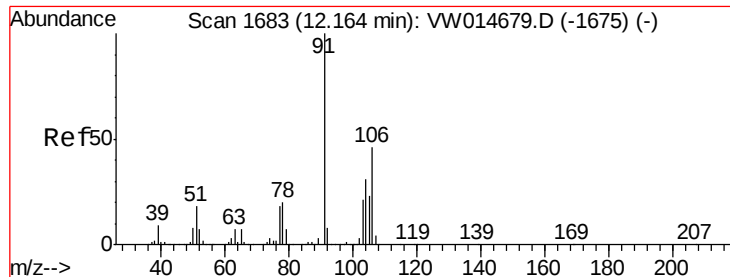
Tgt Ion: 91 Resp: 1741697
Ion Ratio Lower Upper
91 100
106 30.9 21.8 40.6



#54
m,p-Xylene
Concen: 26.40 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion: 106 Resp: 662816
Ion Ratio Lower Upper
106 100
91 202.5 142.2 264.0





#55

o-xylene

Concen: 26.26 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

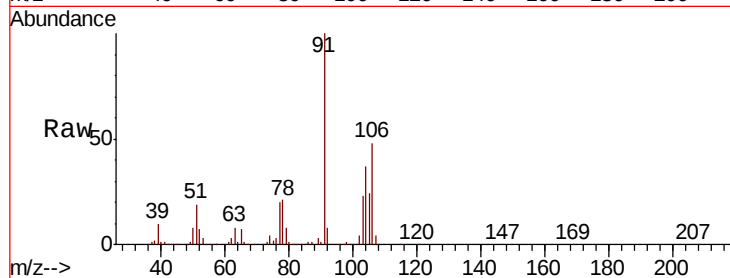
VSTD02519

Tgt Ion:106 Resp: 622710

Ion Ratio Lower Upper

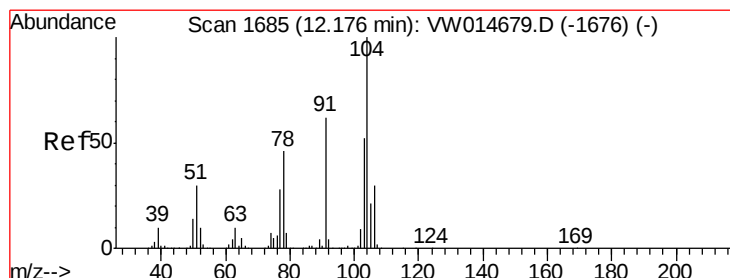
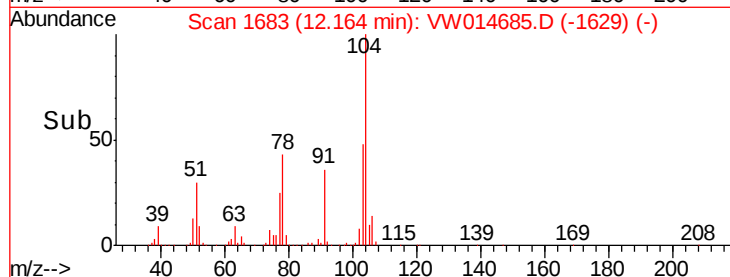
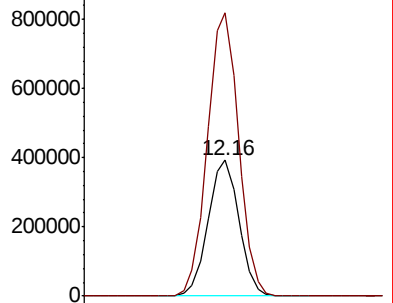
106 100

91 208.0 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.65 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014685.D

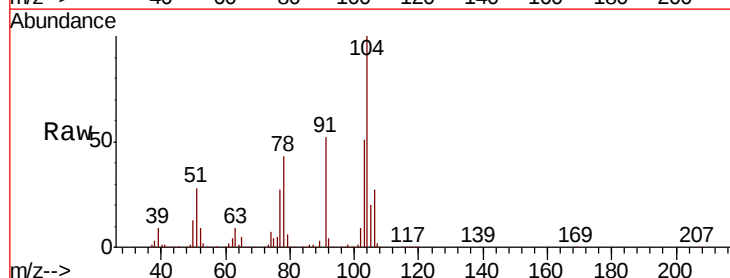
Acq: 17 Jan 2020 15:33

Tgt Ion:104 Resp: 1063629

Ion Ratio Lower Upper

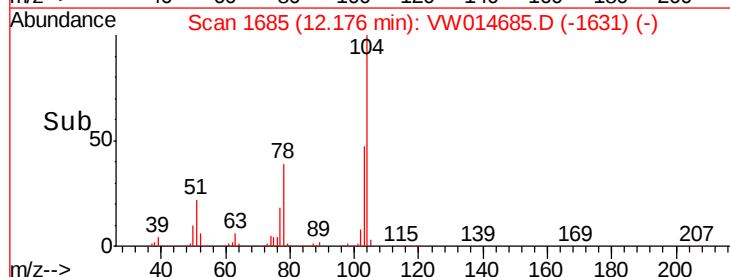
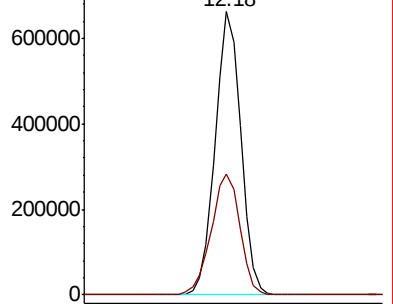
104 100

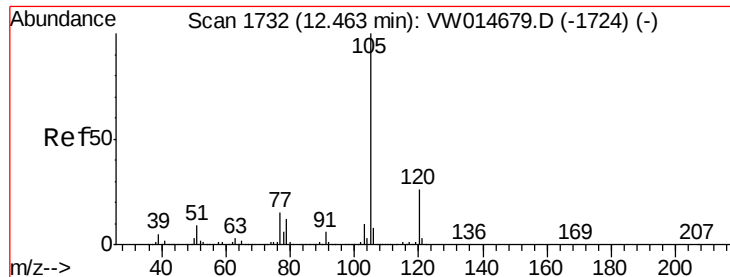
78 42.9 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.89 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

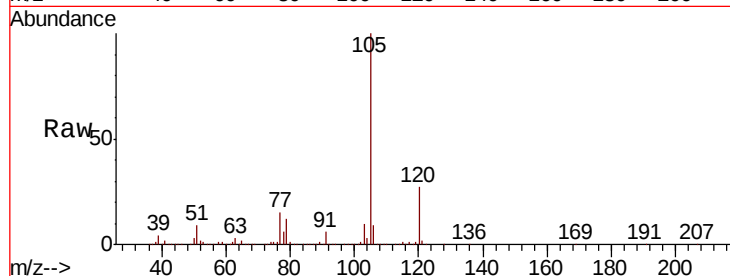
Tgt Ion: 105 Resp: 1696016

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

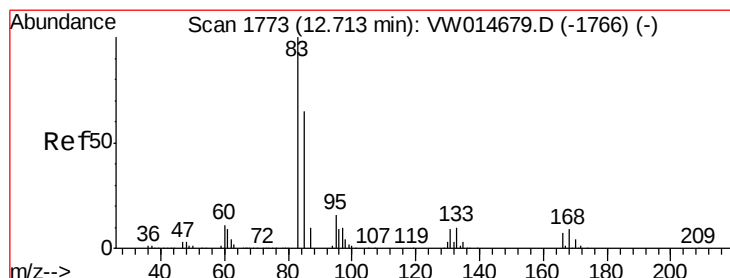
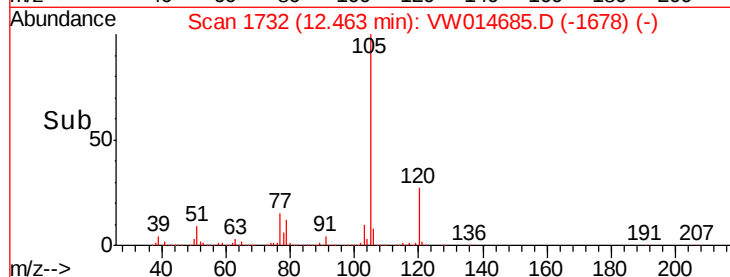
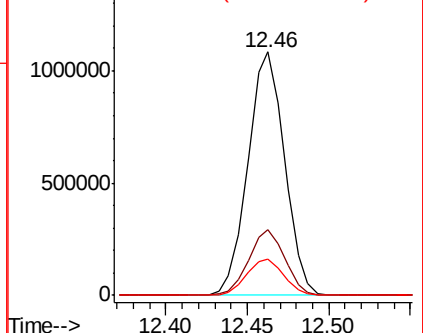
77 15.1 12.2 18.2



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: 26.54 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

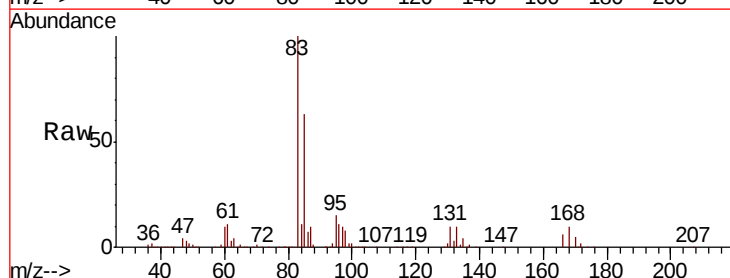
Tgt Ion: 83 Resp: 333564

Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

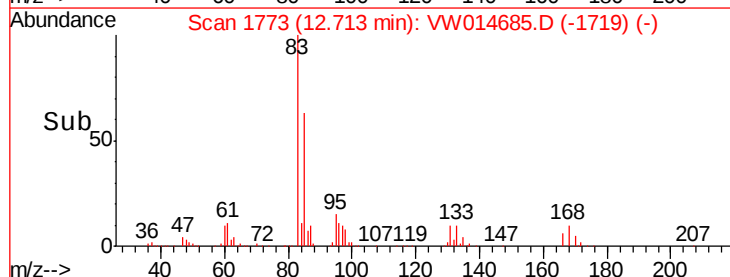
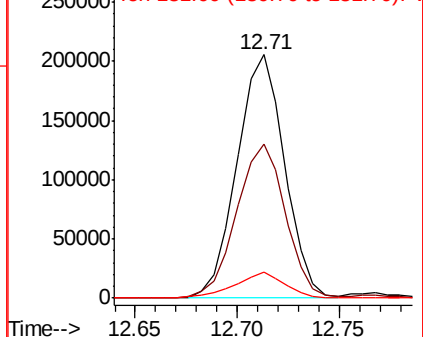
131 10.5 8.0 12.0

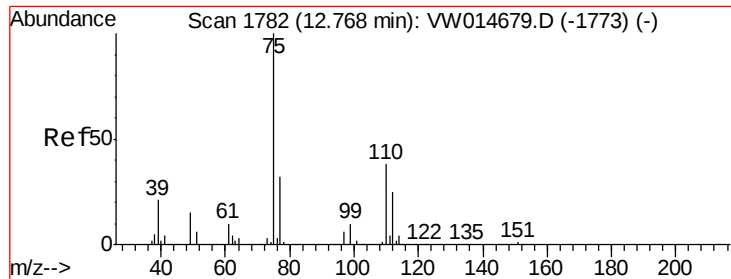


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

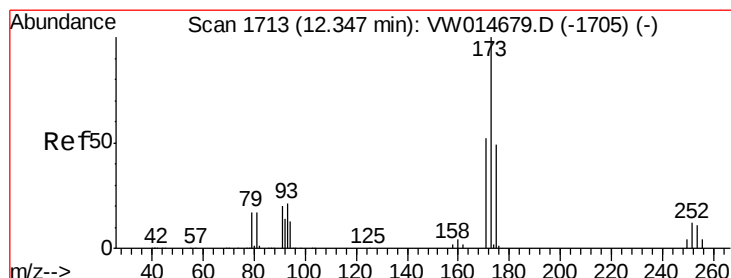
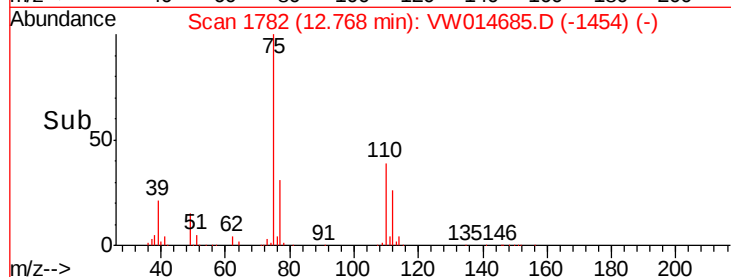
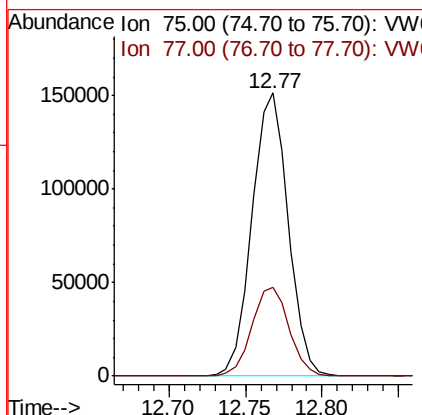
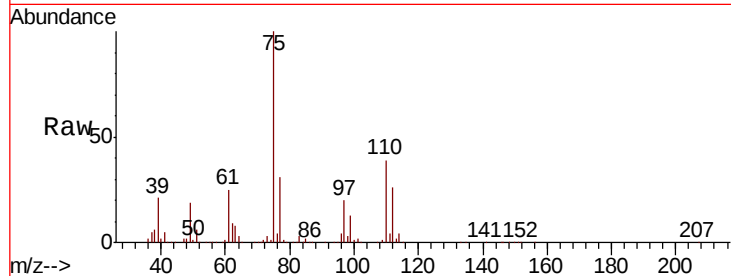




#59
 1,2,3-Trichloropropane
 Concen: 26.45 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

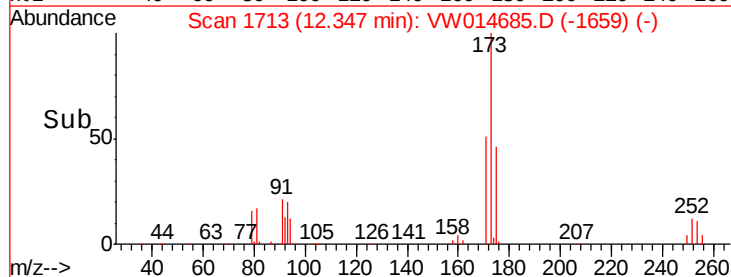
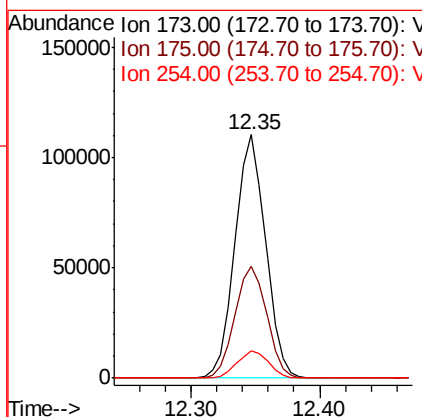
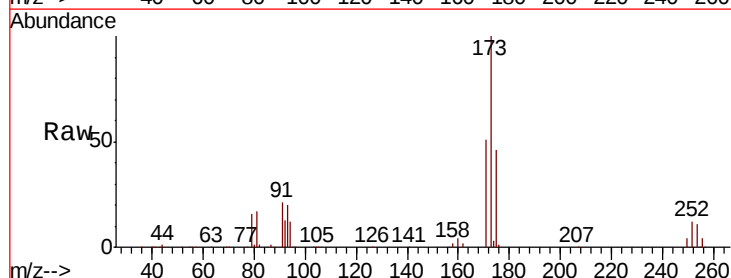
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

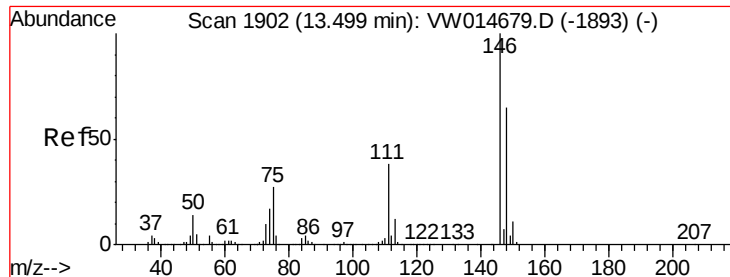
Tgt Ion: 75 Resp: 249076
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#62
 Bromoform
 Concen: 26.09 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Tgt Ion: 173 Resp: 182426
 Ion Ratio Lower Upper
 173 100
 175 47.6 40.5 60.7
 254 11.5 9.3 13.9

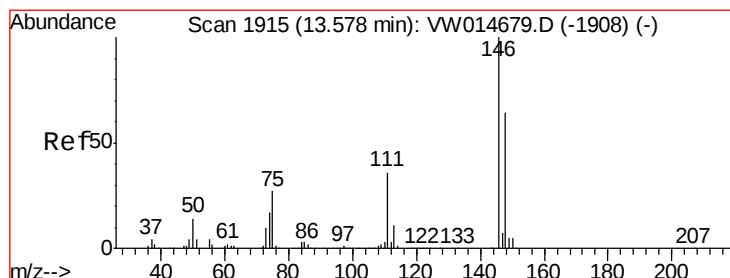
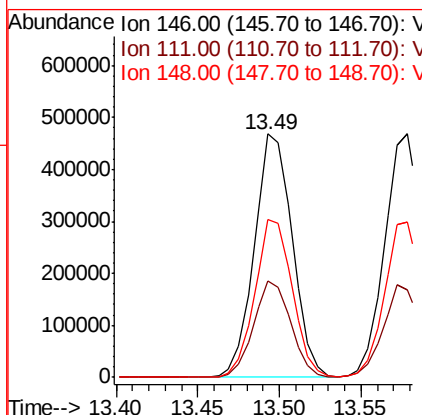
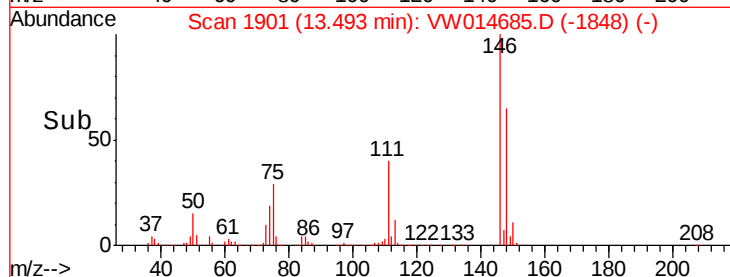
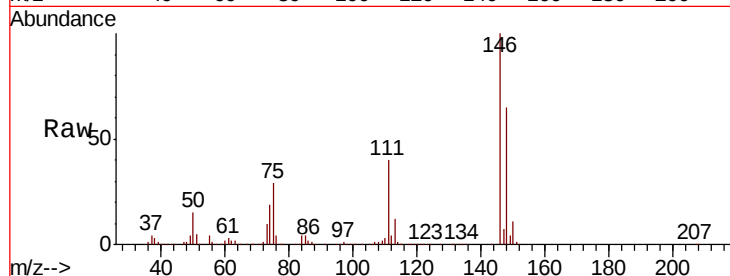




#63
1,3-Dichlorobenzene
Concen: 25.64 ug/L
RT: 13.49 min Scan# 1901
Delta R.T. -0.01 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

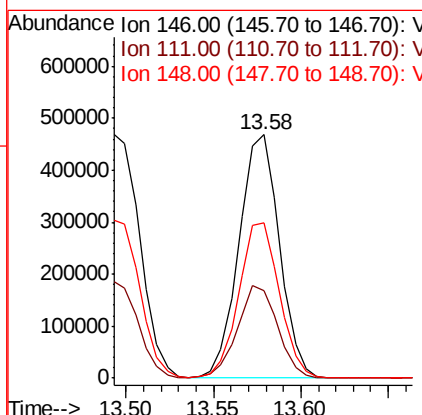
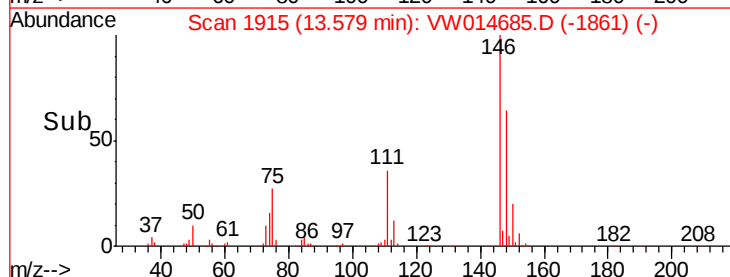
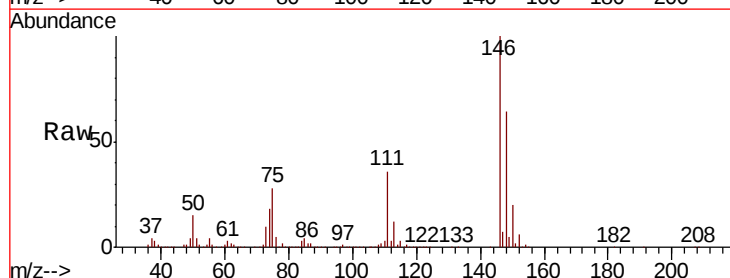
Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

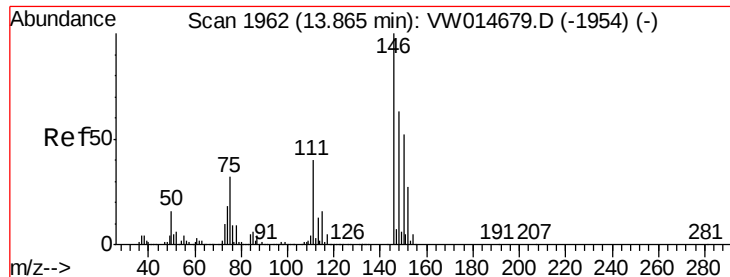
Tgt Ion:	146	Resp:	759833
Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.9	50.1
148	64.6	45.1	83.7



#64
1,4-Dichlorobenzene
Concen: 25.29 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW014685.D
Acq: 17 Jan 2020 15:33

Tgt Ion:	146	Resp:	755494
Ion	Ratio	Lower	Upper
146	100		
111	36.0	24.5	45.5
148	63.8	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 25.78 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02519

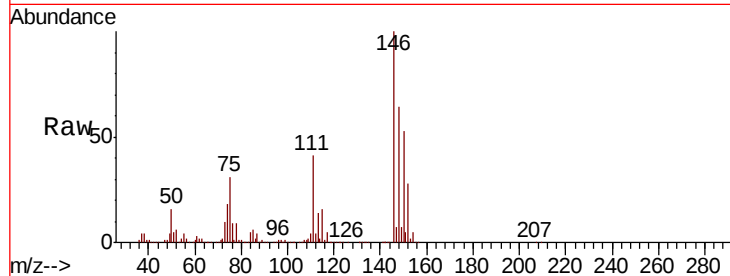
Tgt Ion:146 Resp: 684770

Ion Ratio Lower Upper

146 100

111 41.3 34.2 51.2

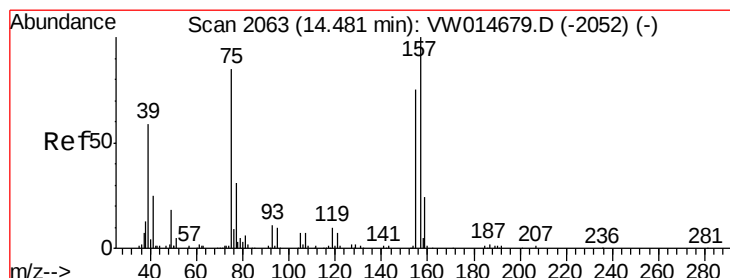
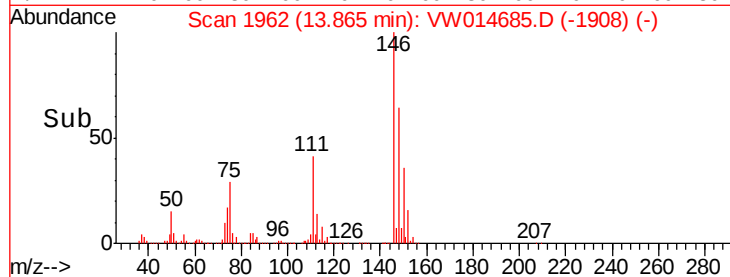
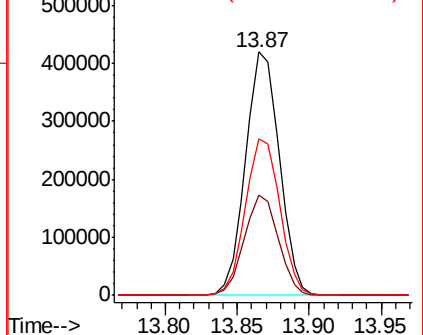
148 64.3 51.8 77.8



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: 26.71 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

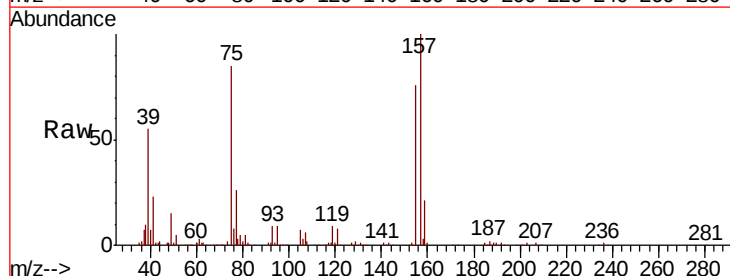
Tgt Ion: 75 Resp: 52545

Ion Ratio Lower Upper

75 100

157 117.7 87.2 130.8

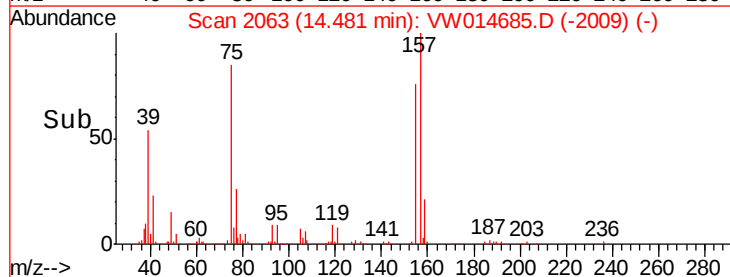
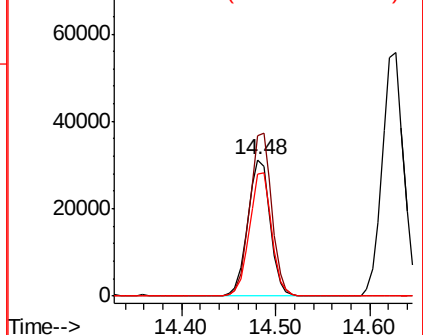
155 89.8 67.8 101.8

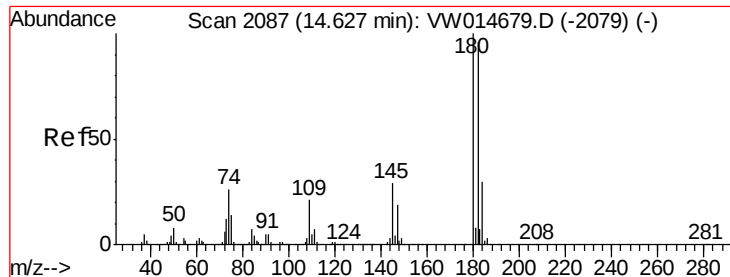


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

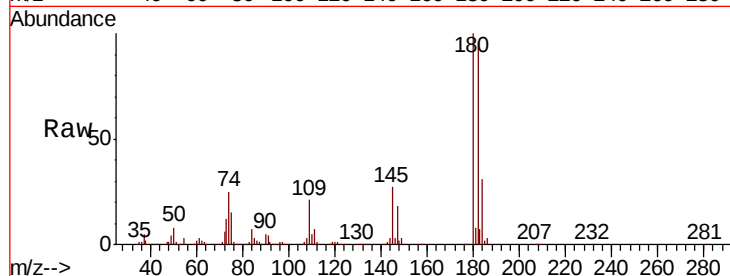




#67
 1,3,5-Trichlorobenzene
 Concen: 26.74 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Tgt Ion:	180	Resp:	586967
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.6
184	30.6	24.0	36.0
145	28.4	22.6	33.8



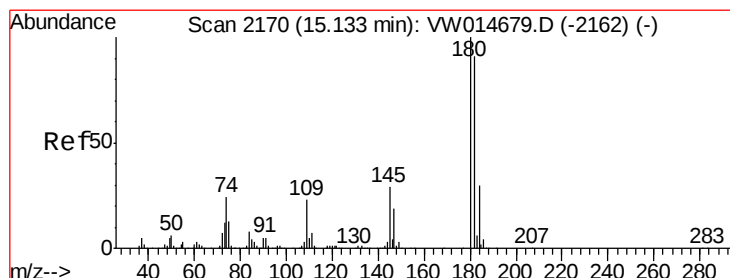
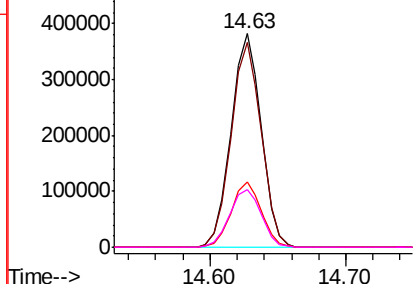
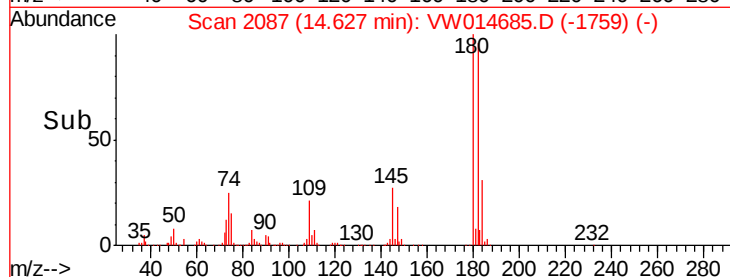
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

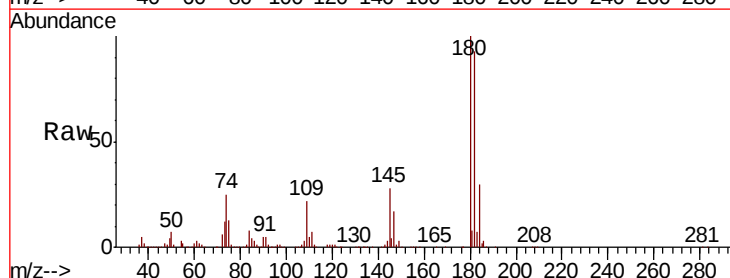
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.84 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014685.D
 Acq: 17 Jan 2020 15:33

Tgt Ion:	180	Resp:	474456
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	29.3	23.1	34.7

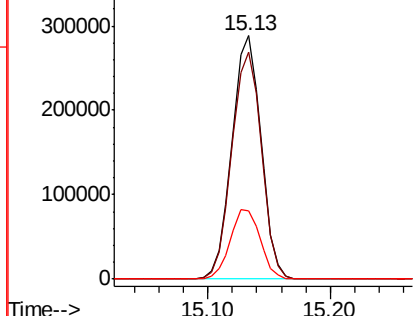
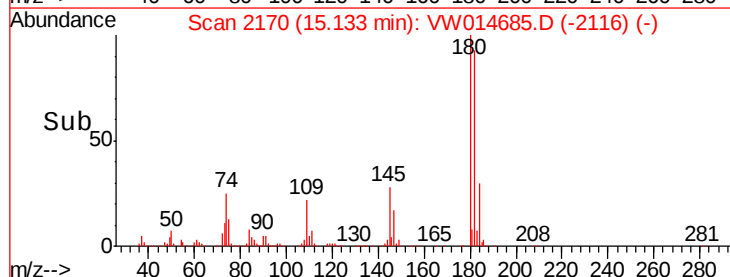


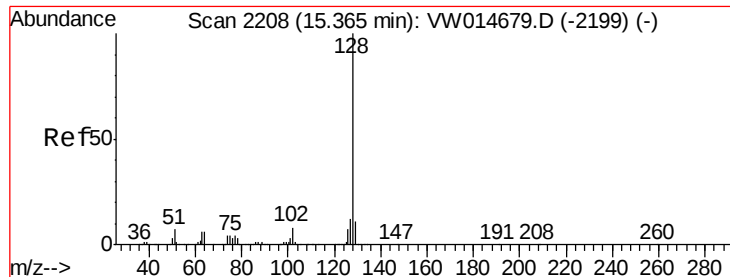
Abundance

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: 35.17 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02519

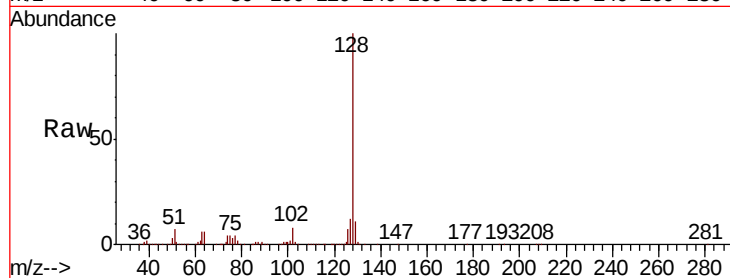
Tgt Ion:128 Resp: 998937

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

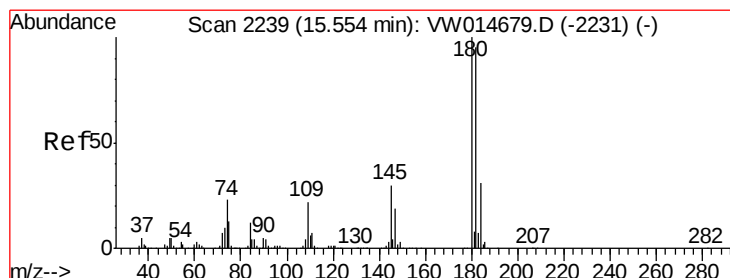
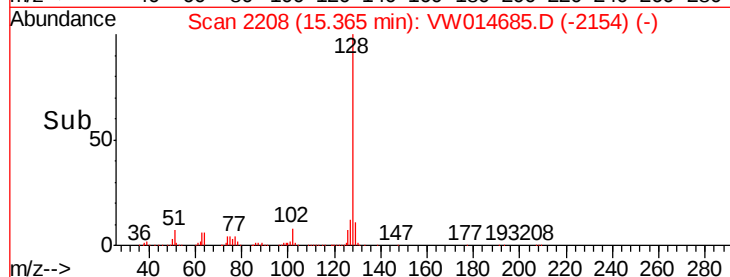
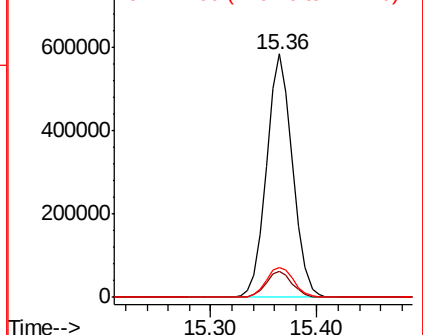
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.10 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014685.D

Acq: 17 Jan 2020 15:33

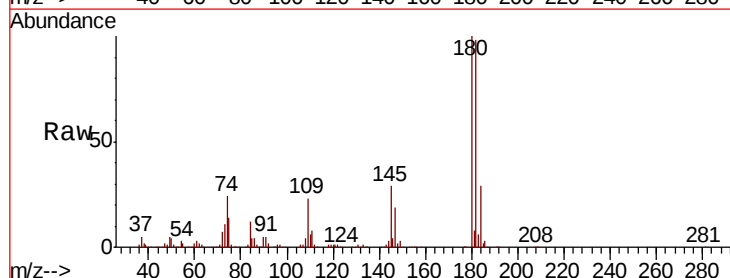
Tgt Ion:180 Resp: 433862

Ion Ratio Lower Upper

180 100

182 94.4 77.0 115.6

145 29.8 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

