

Data File : VW014273.D
Acq On : 09 Dec 2019 18:56
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Dec 10 07:37:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 10 07:34:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1273152	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1166888	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	573317	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	426781	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.56%
7) Chloroethane-d5	2.89	69	336557	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
10) 1,1-Dichloroethene-d2	4.02	63	796873	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.60%
20) 2-Butanone-d5	7.07	46	232055	46.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.38%
24) Chloroform-d	7.65	84	800193	24.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	8.30	65	417935	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	1668927	24.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.60%
33) 1,2-Dichloropropane-d6	9.27	67	514647	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.32	98	1518930	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.24%
38) trans-1,3-Dichloropropene-	10.57	79	209446	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
39) 2-Hexanone-d5	10.92	63	192000	45.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	402865	23.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	507473	23.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	269006	22.215 ug/L	92
3) Chloromethane	2.21	50	239535	19.677 ug/L	97
5) Vinyl chloride	2.36	62	425816	23.625 ug/L	95
6) Bromomethane	2.78	94	256882	23.106 ug/L	100
8) Chloroethane	2.92	64	248230	24.106 ug/L	100
9) Trichlorofluoromethane	3.25	101	211110	23.659 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	400717	23.862 ug/L	94
12) 1,1-Dichloroethene	4.04	96	395368	23.255 ug/L	81
13) Acetone	4.12	43	222258	45.885 ug/L	100
14) Carbon disulfide	4.38	76	1203171	23.074 ug/L	100
15) Methyl Acetate	4.67	43	200287	21.861 ug/L	98
16) Methylene chloride	4.92	84	441946	22.644 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	500630	22.329 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	414207	22.750 ug/L	92
19) 1,1-Dichloroethane	6.21	63	774819	23.686 ug/L	100
21) 2-Butanone	7.16	43	290126	44.613 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	451010	23.280 ug/L	97

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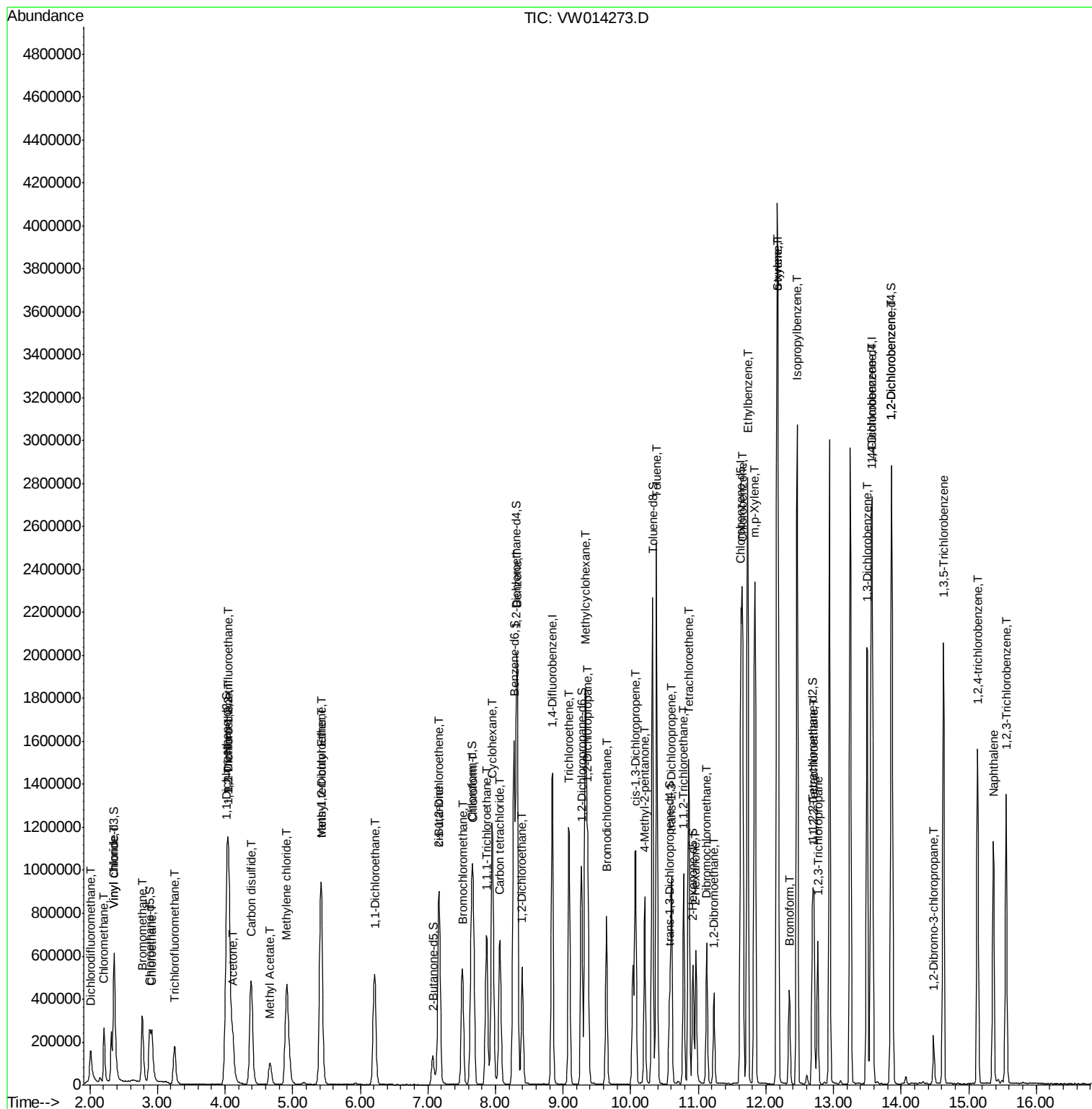
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	201751	22.639	ug/L	81
25) Chloroform	7.67	83	757269	23.823	ug/L	99
27) 1,2-Dichloroethane	8.40	62	485560	23.327	ug/L	96
30) Cyclohexane	7.95	56	720935	24.752	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	568223	24.247	ug/L	98
32) Carbon tetrachloride	8.07	117	528260	23.757	ug/L	100
34) Benzene	8.32	78	1758359	23.799	ug/L	100
35) Trichloroethene	9.09	95	436416	23.086	ug/L	96
36) Methylcyclohexane	9.33	83	771906	24.299	ug/L	97
40) 1,2-Dichloropropane	9.37	63	443037	23.341	ug/L	99
41) Bromodichloromethane	9.64	83	533157	23.113	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	672181	23.647	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	567816	45.365	ug/L	98
44) Toluene	10.38	91	1856893	23.972	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	527926	22.943	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	320047	22.501	ug/L	99
47) Tetrachloroethene	10.86	164	363693	23.082	ug/L	98
49) 2-Hexanone	10.96	43	405922	45.552	ug/L	98
50) Dibromochloromethane	11.13	129	358723	22.471	ug/L	99
51) 1,2-Dibromoethane	11.23	107	294125	21.831	ug/L	95
52) Chlorobenzene	11.65	112	1147959	22.931	ug/L	93
53) Ethylbenzene	11.73	91	2025193	24.095	ug/L	98
54) m,p-Xylene	11.83	106	776995	24.032	ug/L	99
55) o-xylene	12.16	106	731194	23.843	ug/L	99
56) Styrene	12.18	104	1272671	24.258	ug/L	97
57) Isopropylbenzene	12.46	105	1958310	24.597	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	385905	21.859	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	283273	21.594	ug/L	99
62) Bromoform	12.35	173	206446	21.216	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	895823	23.247	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	905470	23.128	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	819334	22.864	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	57837	20.922	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	651789	23.510	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	527915	24.426	ug/L	100
69) Naphthalene	15.36	128	968496	23.828	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	484715	23.915	ug/L	98

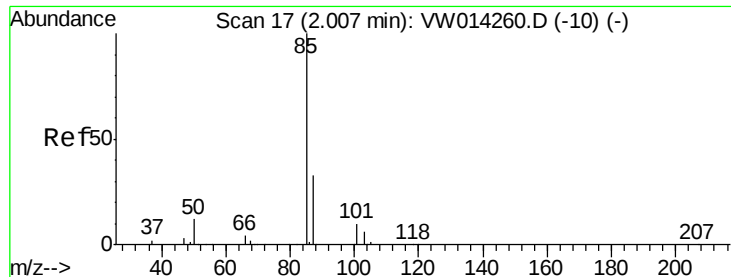
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.215 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

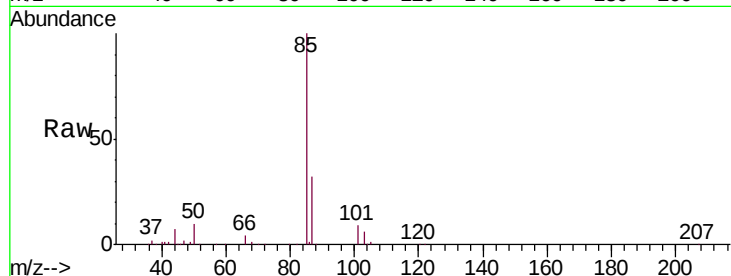
VSTD02511

Tgt Ion: 85 Resp: 269006

Ion Ratio Lower Upper

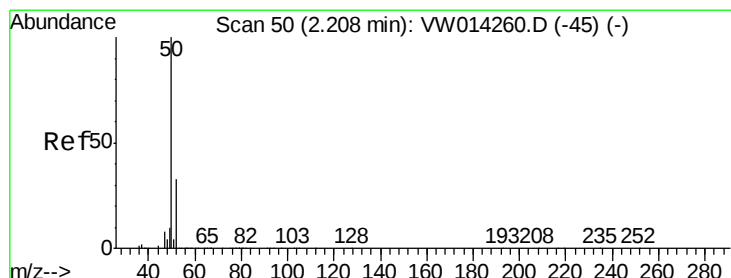
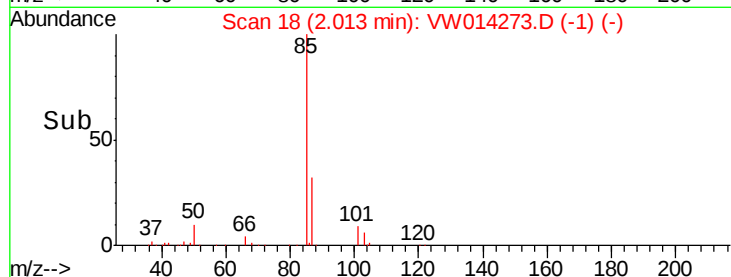
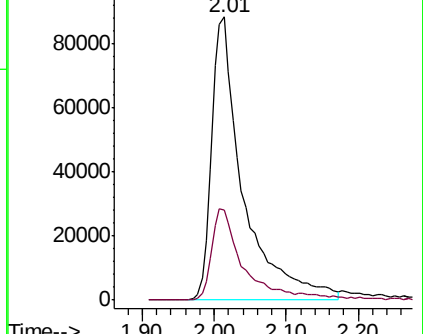
85 100

87 26.9 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.677 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014273.D

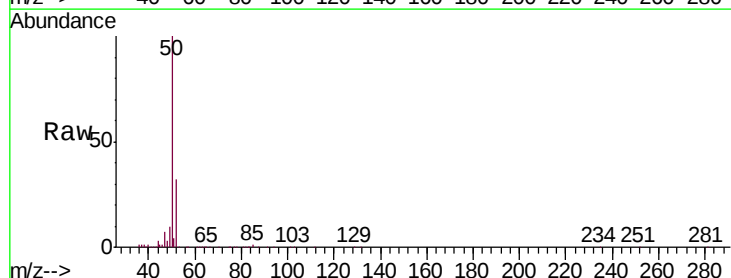
Acq: 09 Dec 2019 18:56

Tgt Ion: 50 Resp: 239535

Ion Ratio Lower Upper

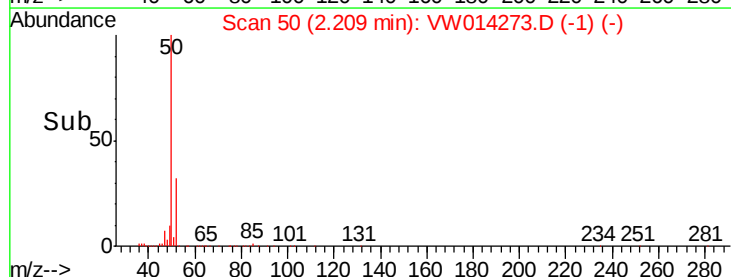
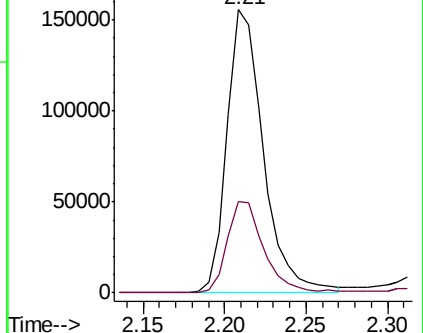
50 100

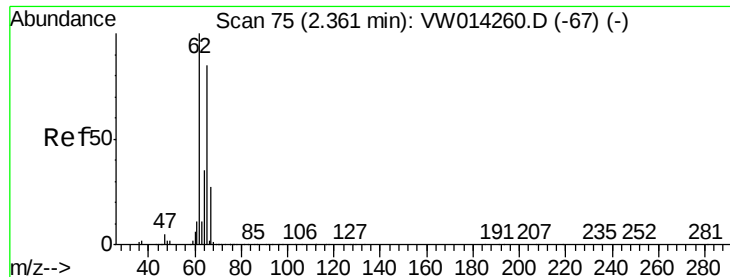
52 32.3 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.625 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

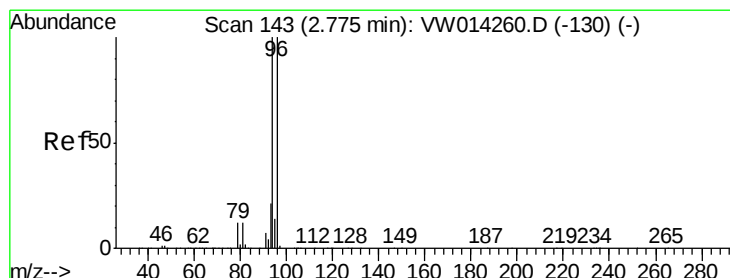
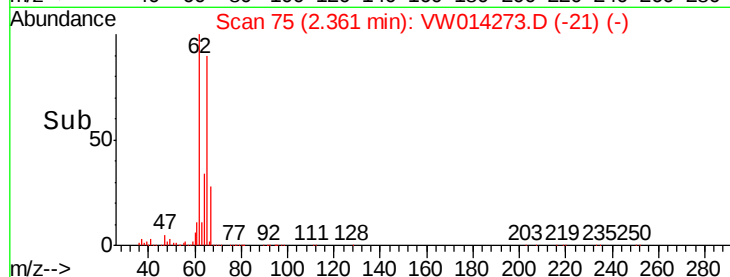
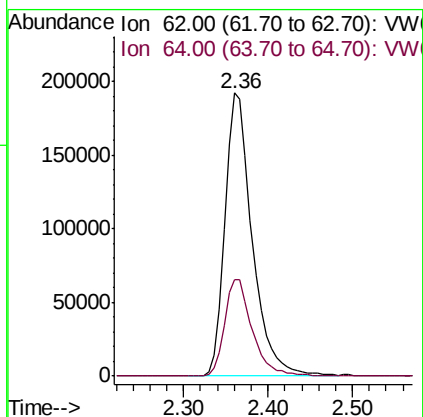
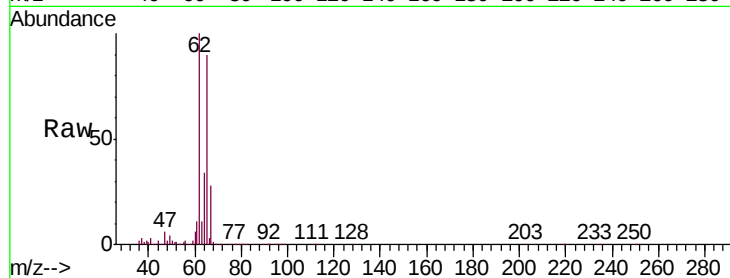
VSTD02511

Tgt Ion: 62 Resp: 425816

Ion Ratio Lower Upper

62 100

64 33.9 21.8 40.4



#6

Bromomethane

Concen: 23.106 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014273.D

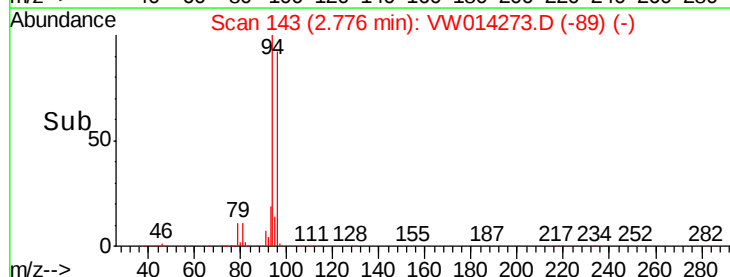
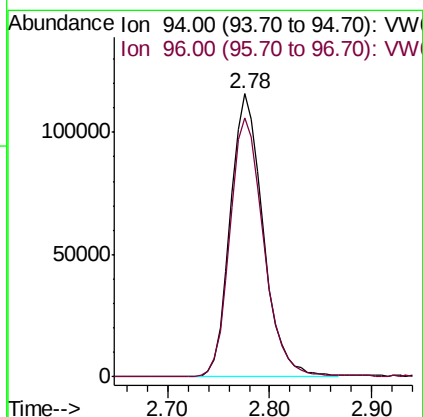
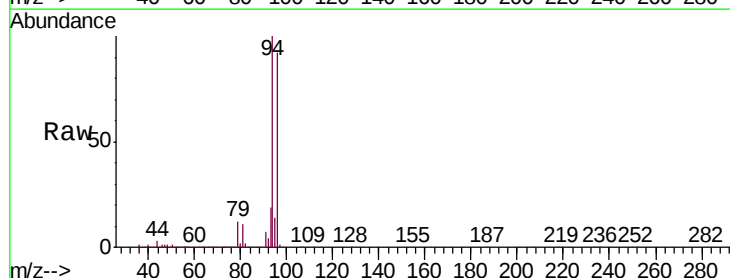
Acq: 09 Dec 2019 18:56

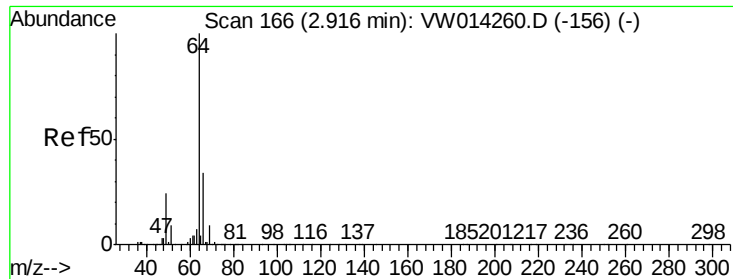
Tgt Ion: 94 Resp: 256882

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.8





#8

Chloroethane

Concen: 24.106 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

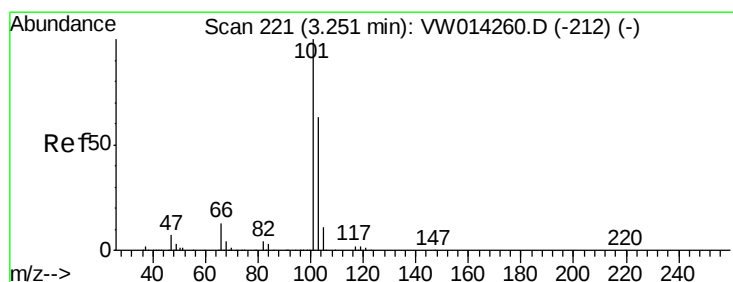
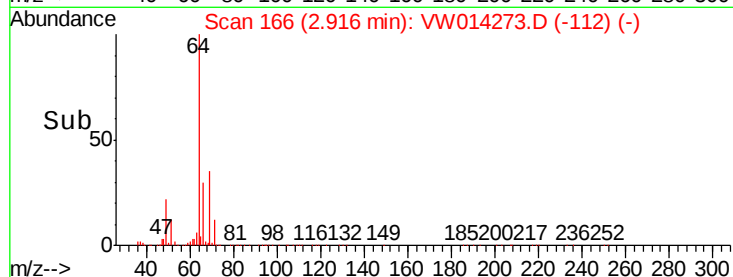
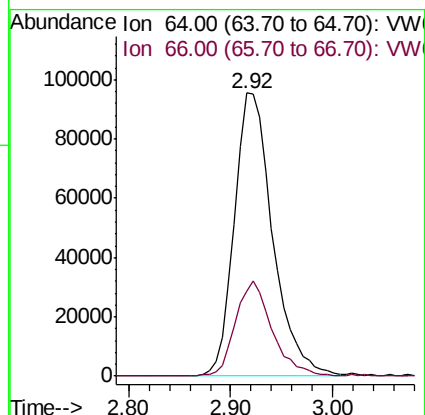
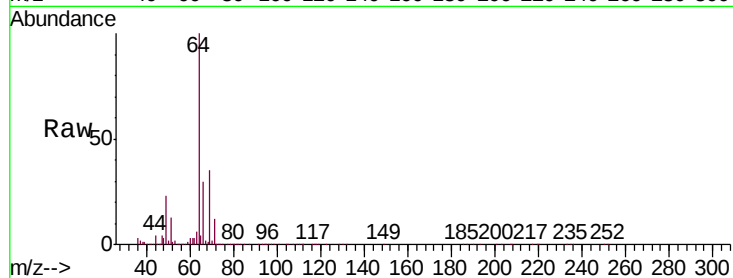
VSTD02511

Tgt Ion: 64 Resp: 248230

Ion Ratio Lower Upper

64 100

66 30.1 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.659 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014273.D

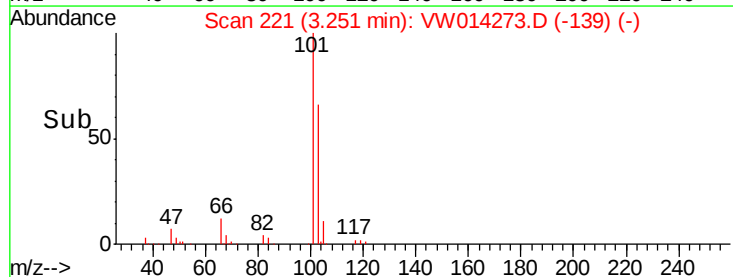
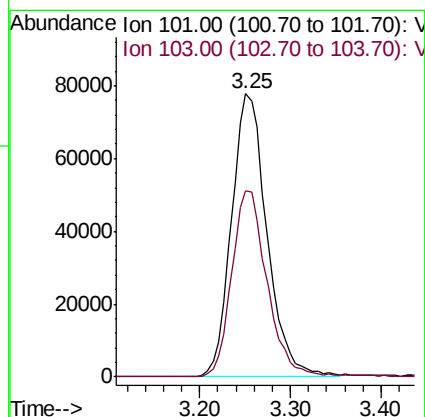
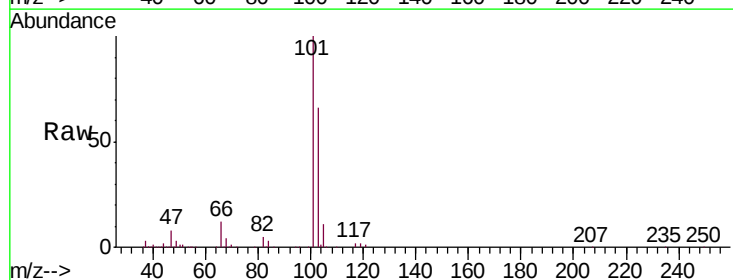
Acq: 09 Dec 2019 18:56

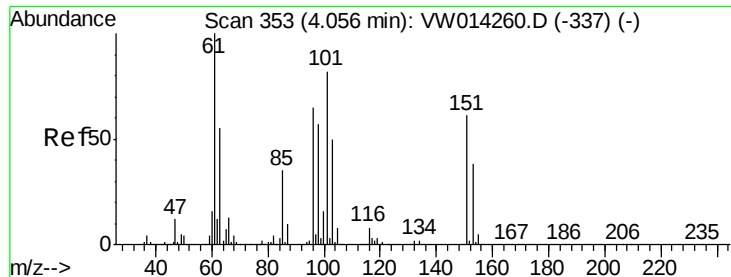
Tgt Ion: 101 Resp: 211110

Ion Ratio Lower Upper

101 100

103 65.1 45.4 84.2





#11

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

Concen: 23.862 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

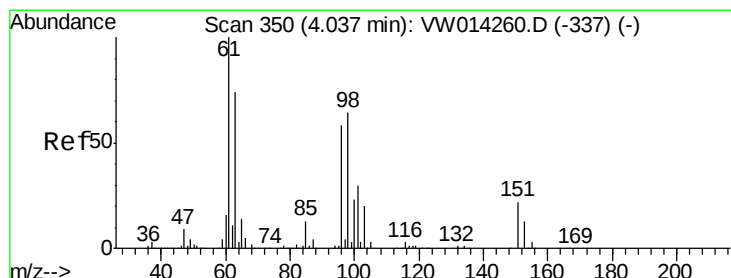
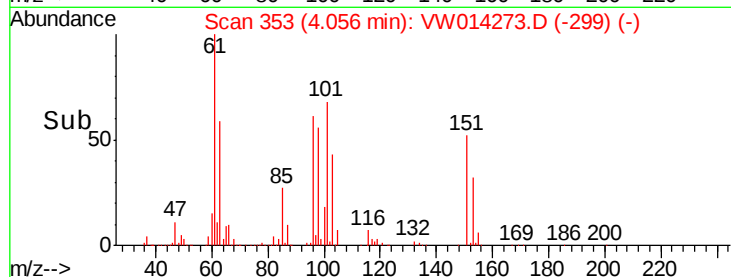
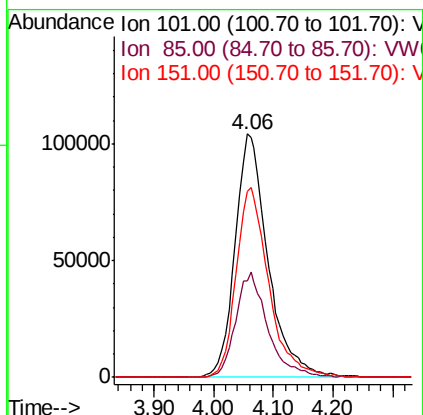
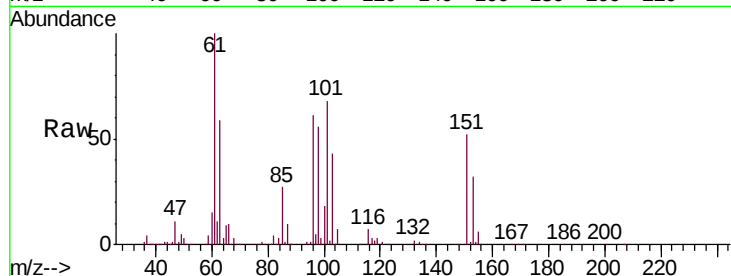
Instrument :

MSVOA_W

ClientSampled :

VSTD02511

Tgt Ion:	101	Resp:	400717
Ion	Ratio	Lower	Upper
101	100		
85	41.8	31.4	47.2
151	77.1	66.9	100.3



#12

1,1-Dichloroethene

Concen: 23.255 ug/L

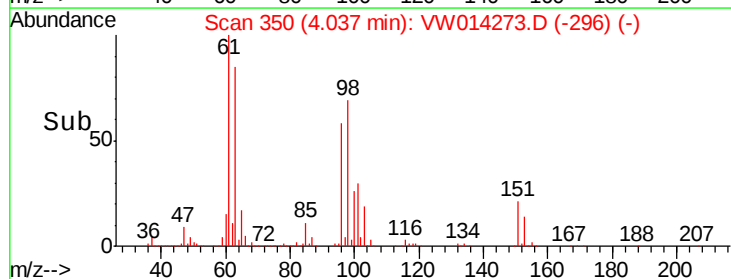
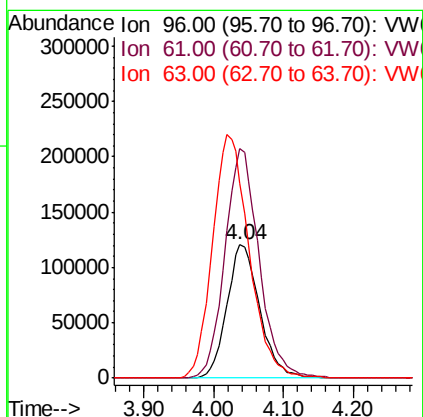
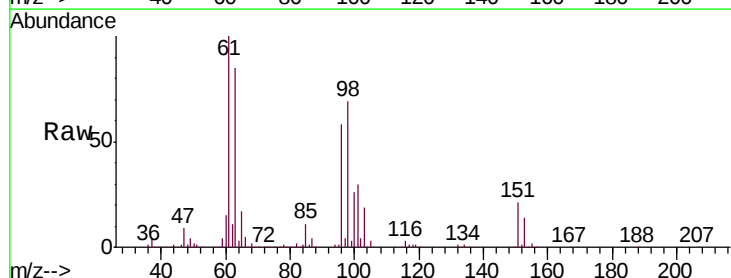
RT: 4.04 min Scan# 350

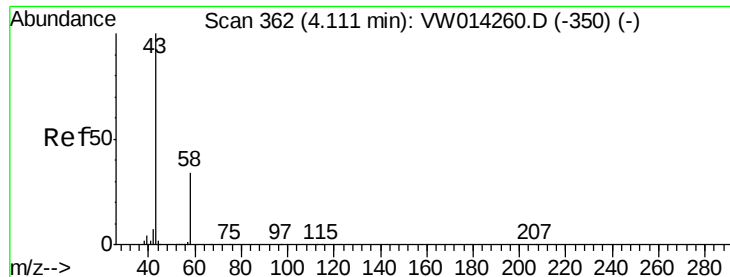
Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Tgt Ion:	96	Resp:	395368
Ion	Ratio	Lower	Upper
96	100		
61	172.1	109.8	204.0
63	146.2	80.7	149.9





#13

Acetone

Concen: 45.885 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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ClientSampleId :

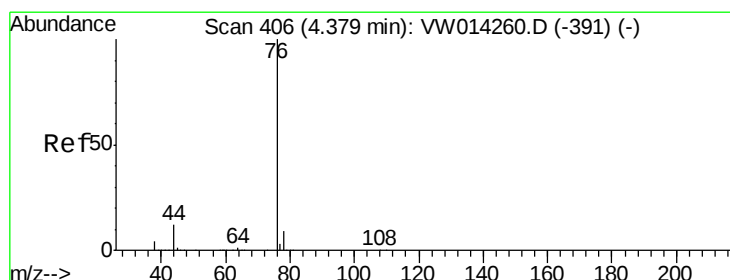
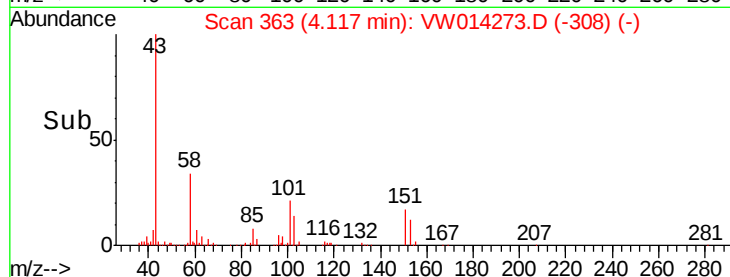
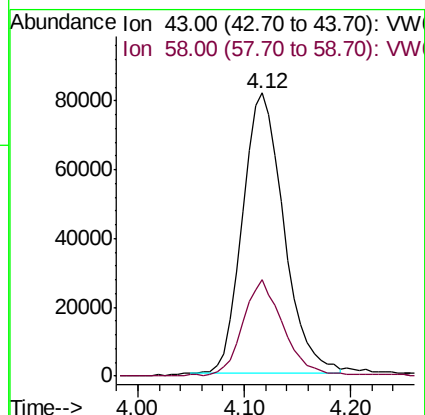
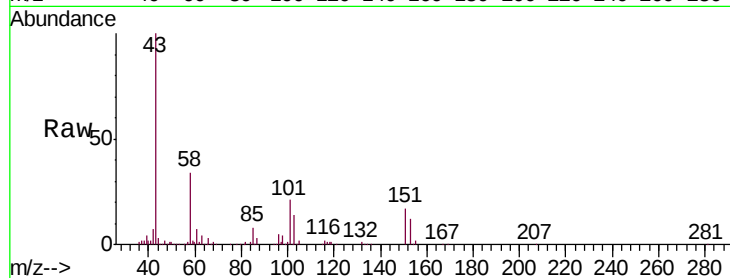
VSTD02511

Tgt Ion: 43 Resp: 222258

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.4



#14

Carbon disulfide

Concen: 23.074 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014273.D

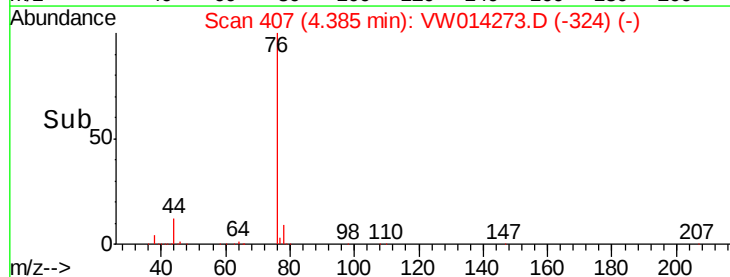
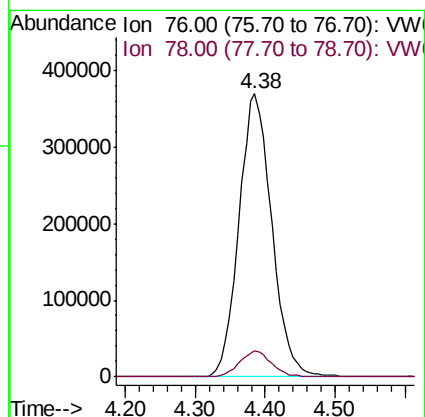
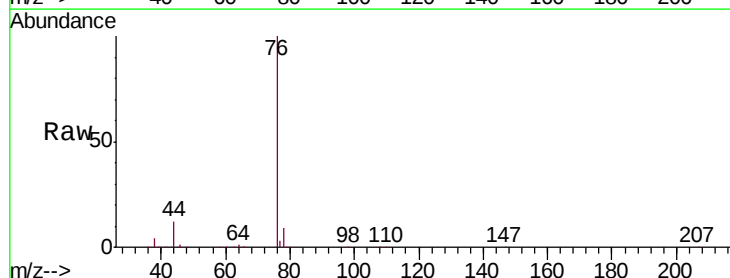
Acq: 09 Dec 2019 18:56

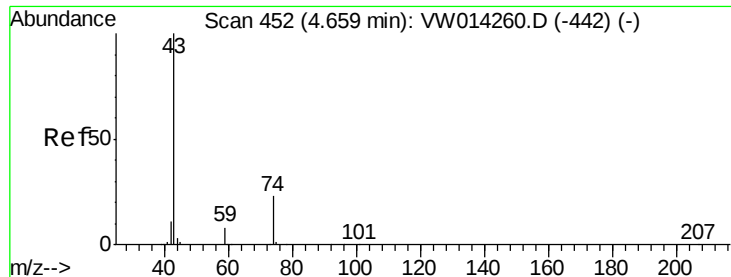
Tgt Ion: 76 Resp: 1203171

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

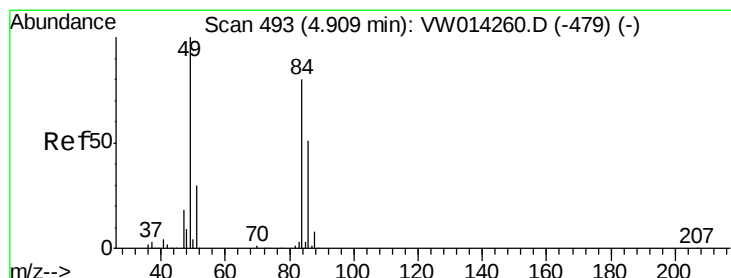
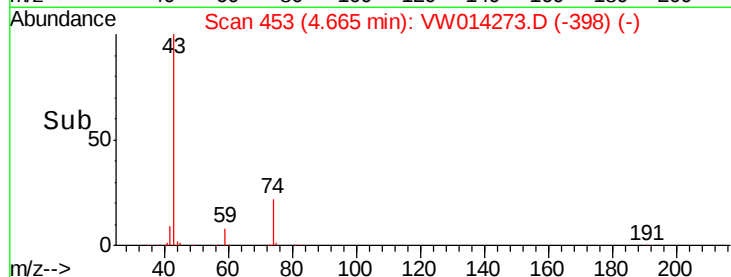
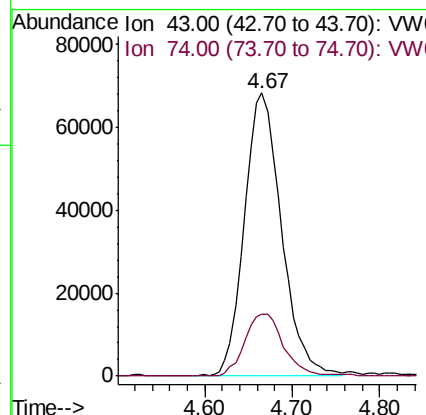
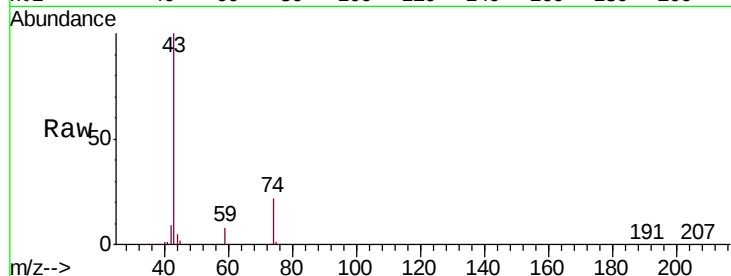




#15
Methyl Acetate
Concen: 21.861 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

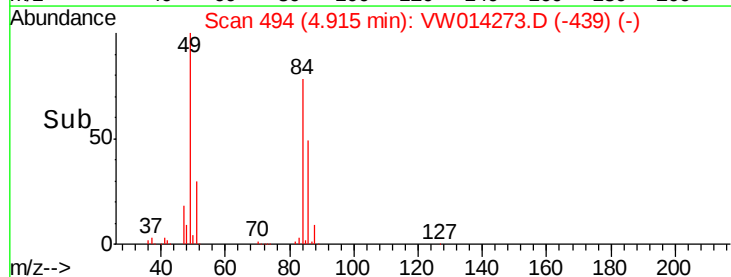
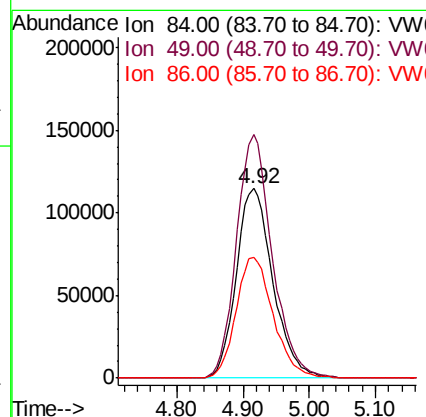
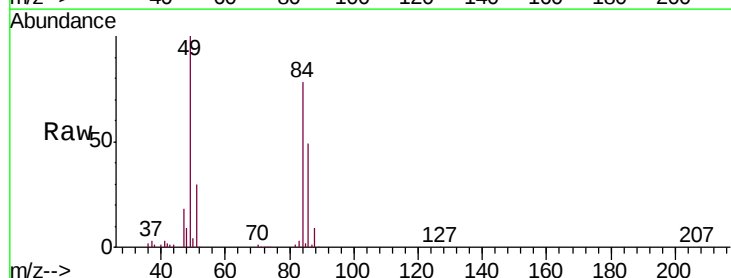
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

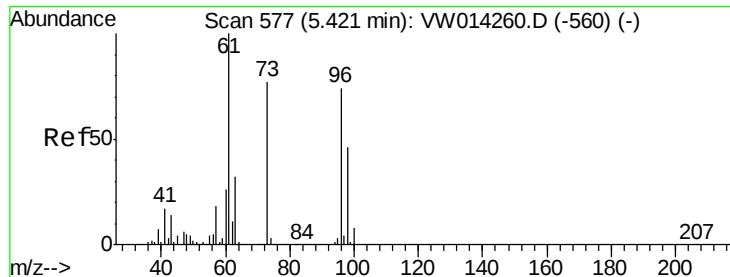
Tgt Ion: 43 Resp: 200287
Ion Ratio Lower Upper
43 100
74 23.0 19.3 28.9



#16
Methylene chloride
Concen: 22.644 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Tgt Ion: 84 Resp: 441946
Ion Ratio Lower Upper
84 100
49 128.6 84.2 156.4
86 63.6 43.7 81.1

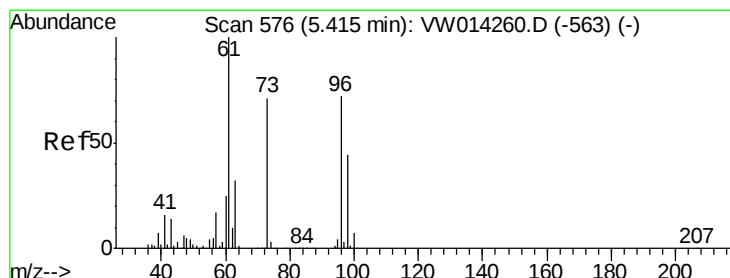
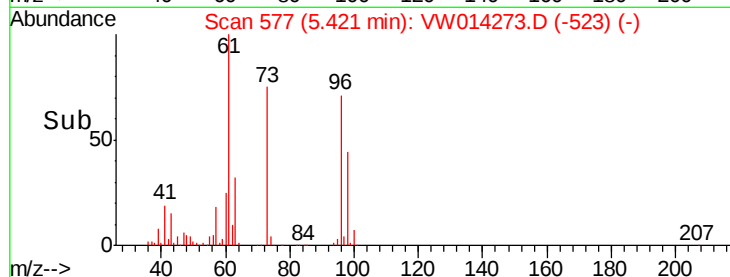
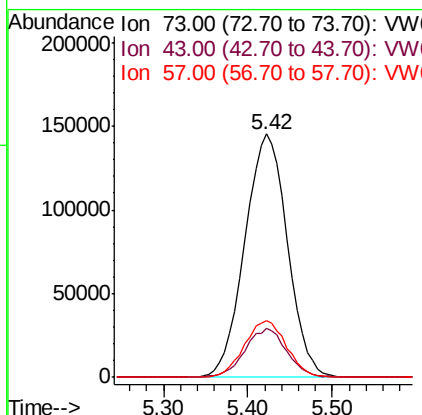
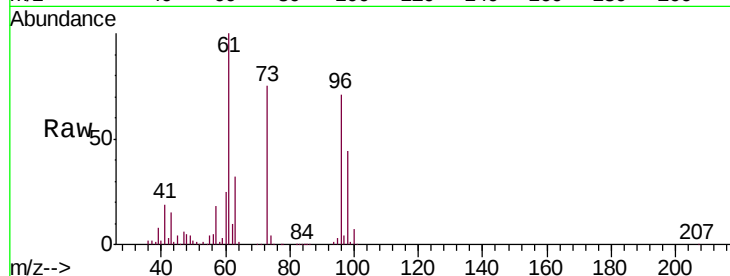




#17
Methyl tert-butyl Ether
Concen: 22.329 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

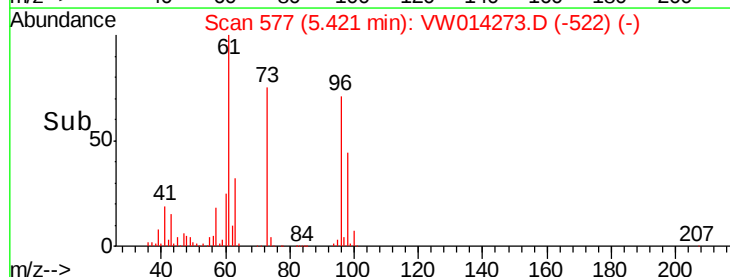
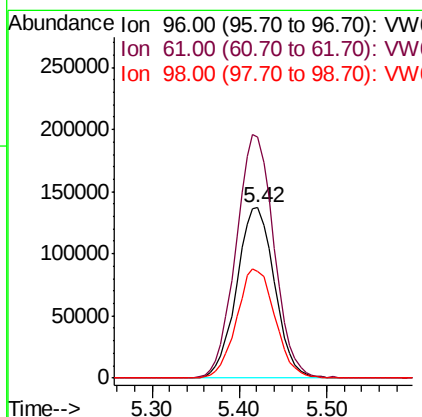
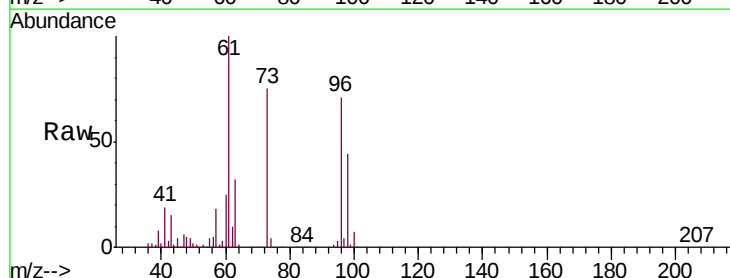
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

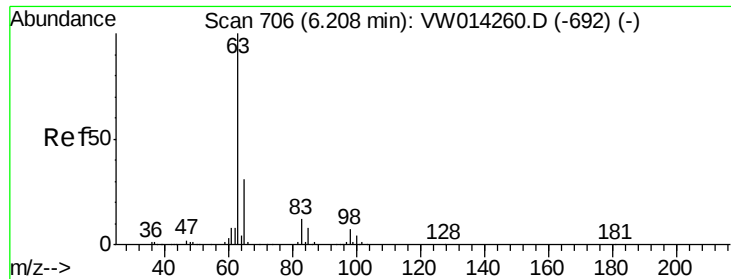
Tgt Ion: 73 Resp: 500630
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 23.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 22.750 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Tgt Ion: 96 Resp: 414207
Ion Ratio Lower Upper
96 100
61 141.5 90.6 168.2
98 62.7 42.9 79.7

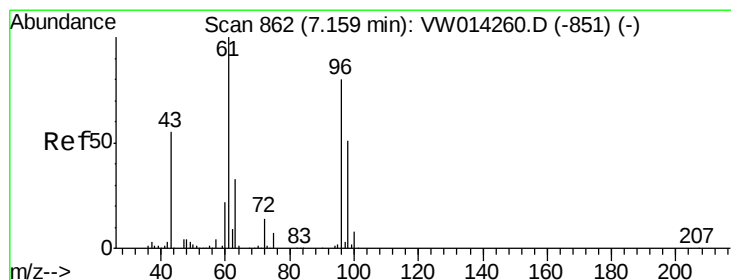
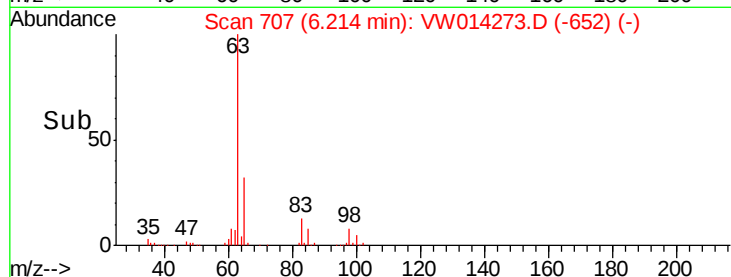
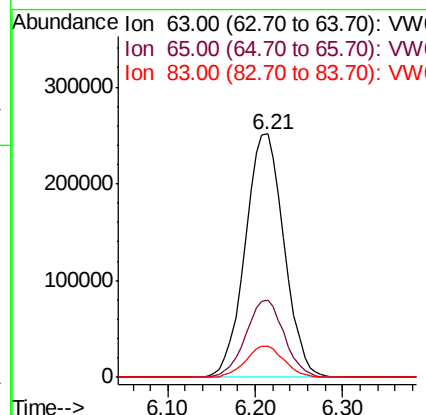
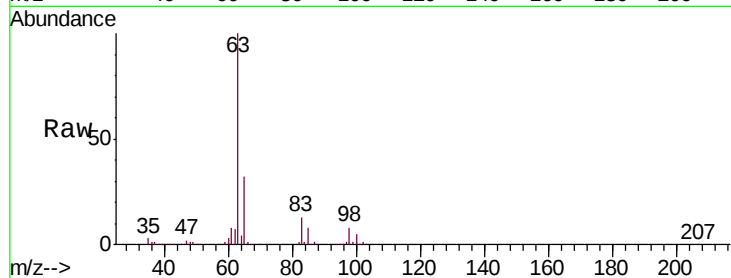




#19
 1,1-Dichloroethane
 Concen: 23.686 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

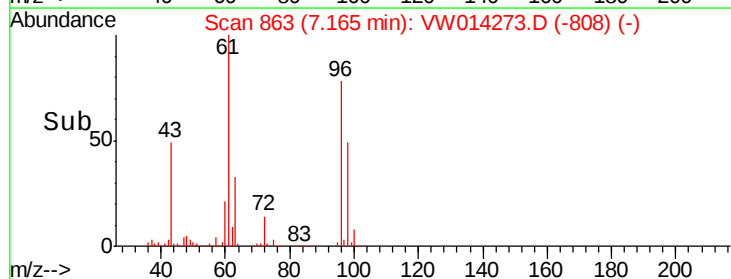
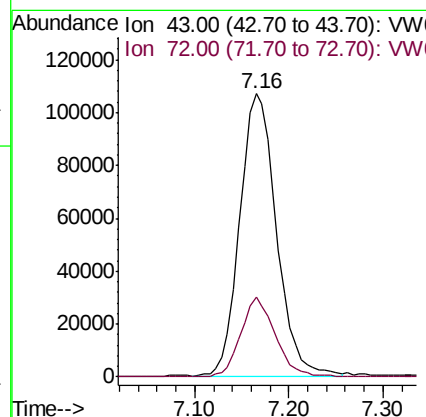
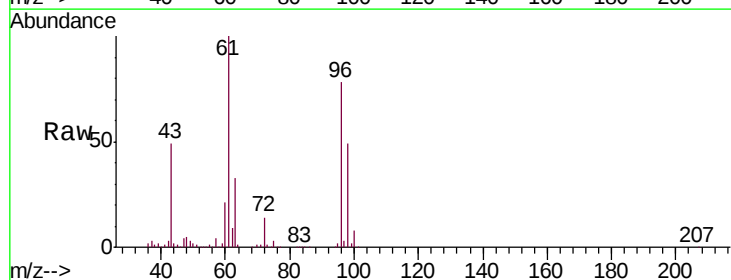
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

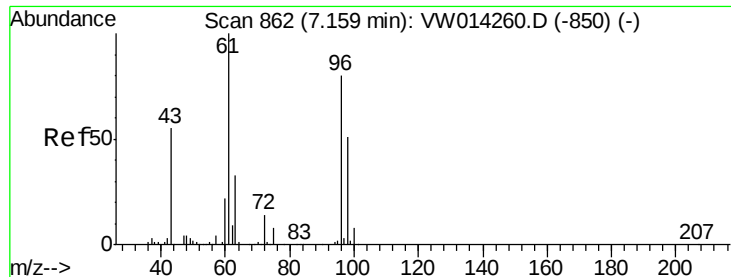
Tgt Ion: 63 Resp: 774819
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 41.1
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 44.613 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion: 43 Resp: 290126
 Ion Ratio Lower Upper
 43 100
 72 26.3 14.1 42.2



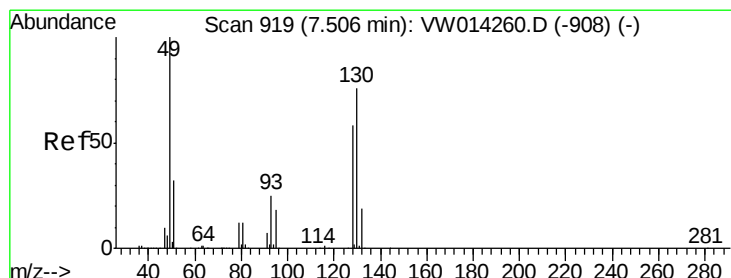
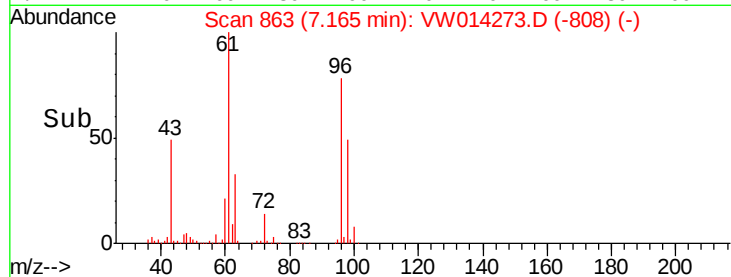
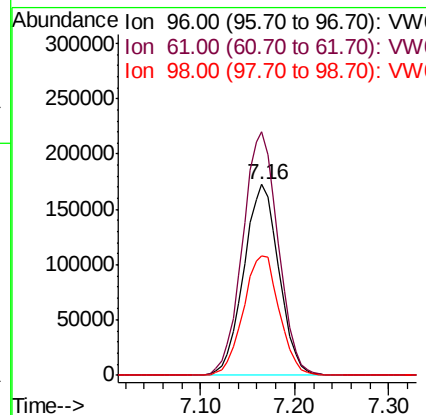
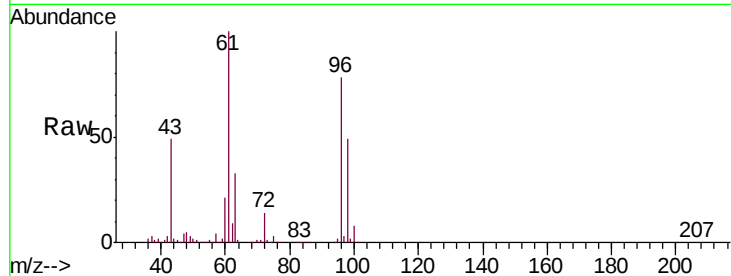


#22

cis-1,2-Dichloroethene
 Concen: 23.280 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

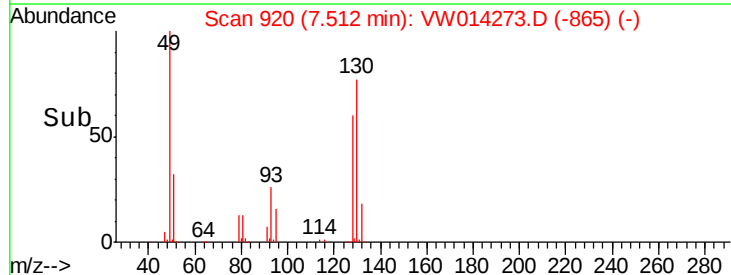
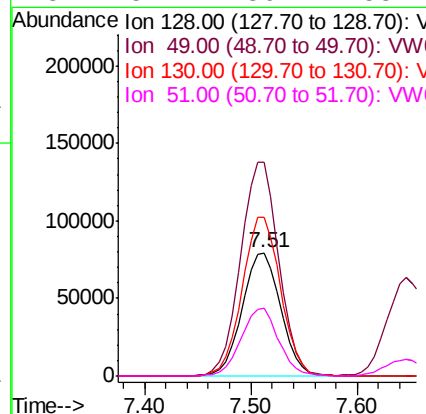
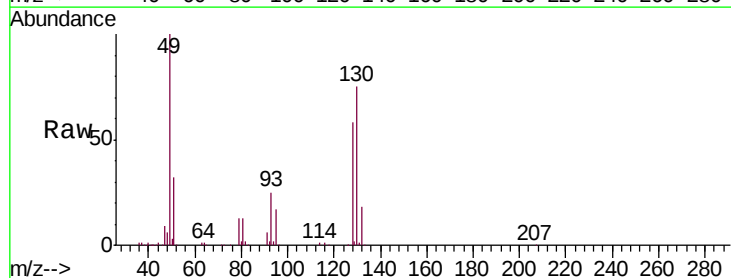
Tgt Ion: 96 Resp: 451010
 Ion Ratio Lower Upper
 96 100
 61 127.7 86.9 161.5
 98 62.8 45.5 84.5

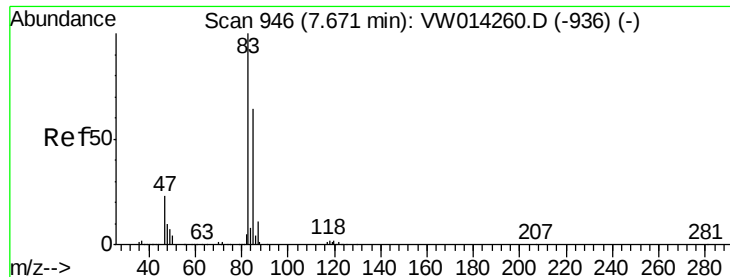


#23

Bromochloromethane
 Concen: 22.639 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion: 128 Resp: 201751
 Ion Ratio Lower Upper
 128 100
 49 173.0 95.1 176.5
 130 129.1 85.0 158.0
 51 54.7 36.7 55.1





#25

Chloroform

Concen: 23.823 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

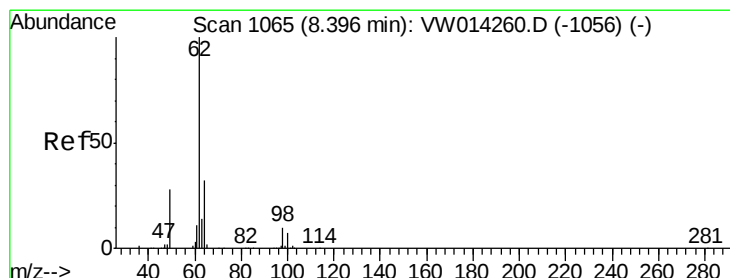
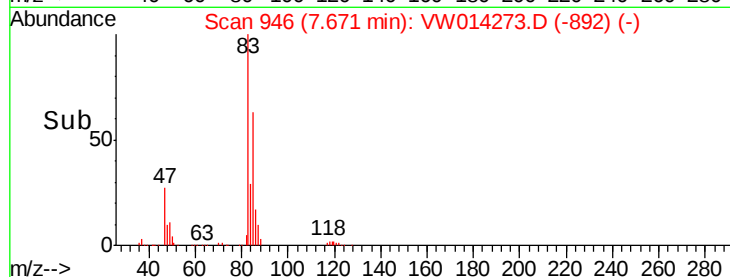
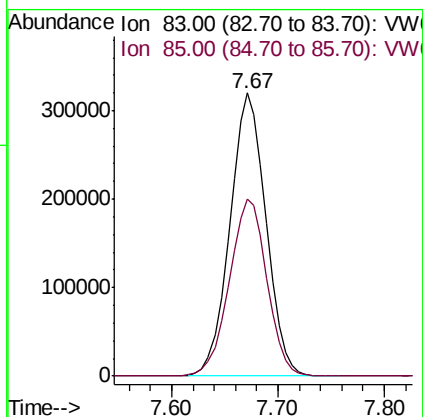
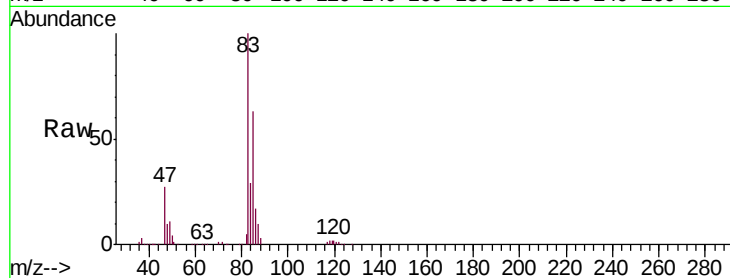
VSTD02511

Tgt Ion: 83 Resp: 757269

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7



#27

1,2-Dichloroethane

Concen: 23.327 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014273.D

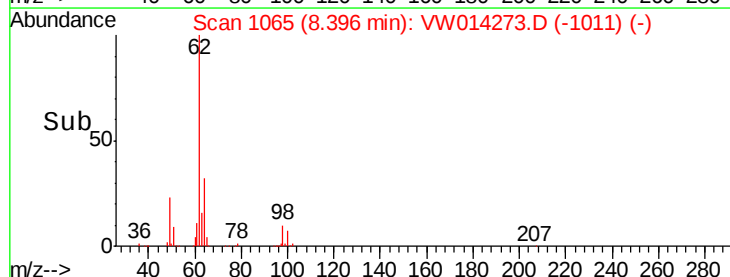
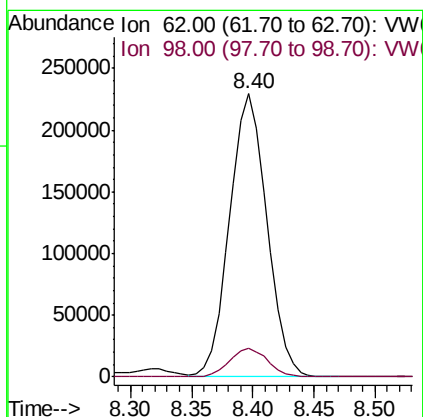
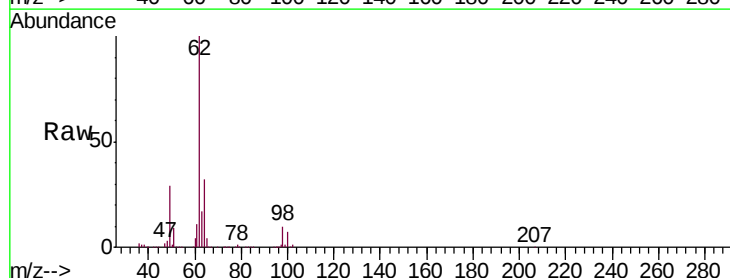
Acq: 09 Dec 2019 18:56

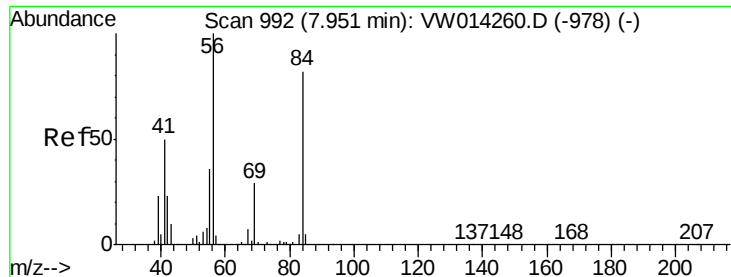
Tgt Ion: 62 Resp: 485560

Ion Ratio Lower Upper

62 100

98 10.2 9.3 13.9

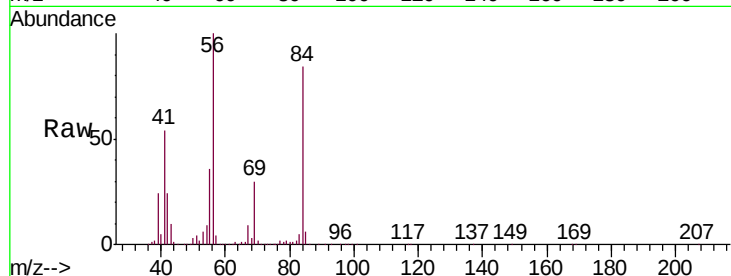




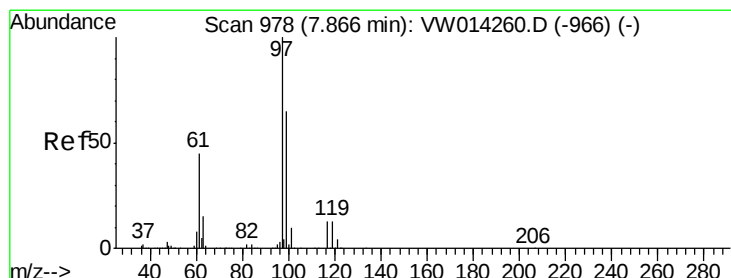
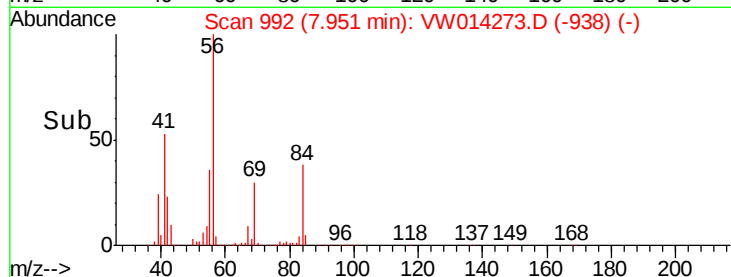
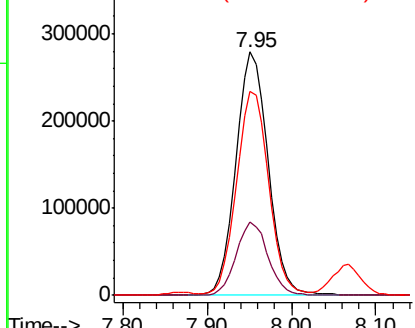
#30
Cyclohexane
Concen: 24.752 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tgt Ion: 56 Resp: 720935
Ion Ratio Lower Upper
56 100
69 29.8 24.6 37.0
84 84.0 70.2 105.2

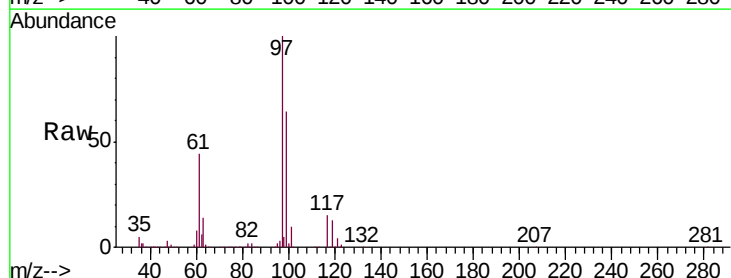


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

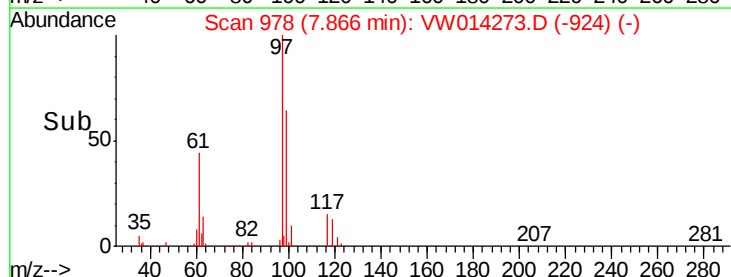
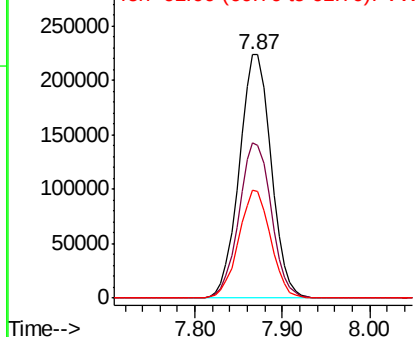


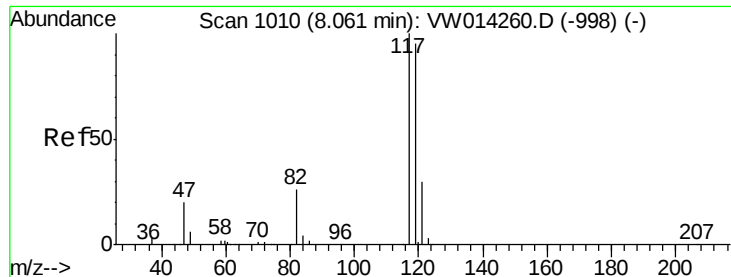
#31
1,1,1-Trichloroethane
Concen: 24.247 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Tgt Ion: 97 Resp: 568223
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 44.0 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.757 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

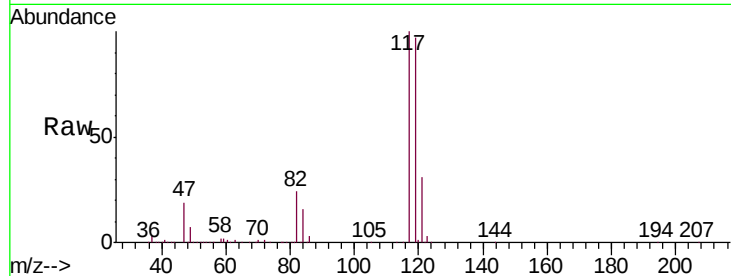
VSTD02511

Tgt Ion:117 Resp: 528260

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

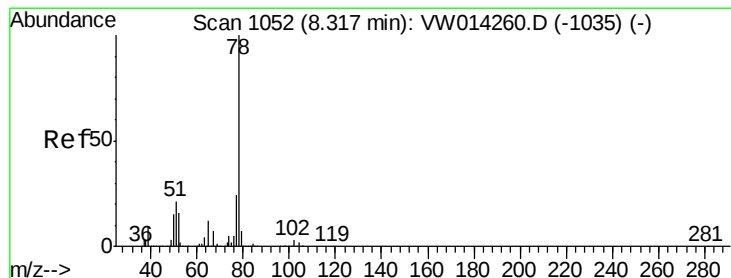
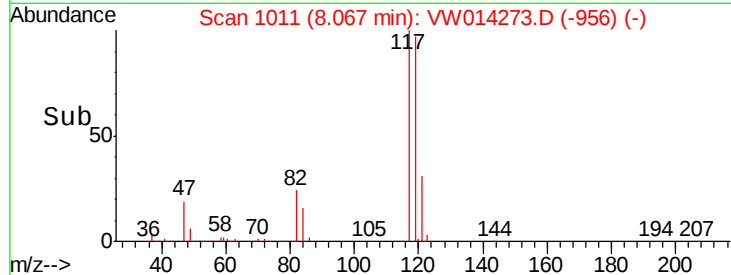
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 23.799 ug/L

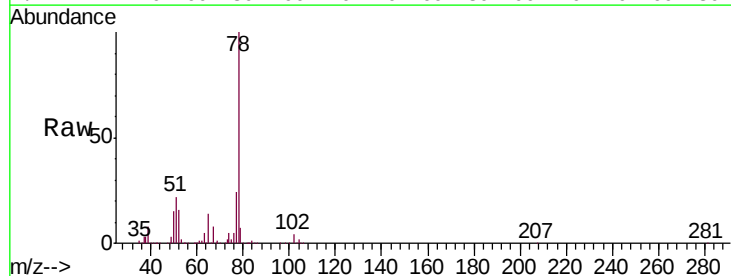
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Tgt Ion: 78 Resp: 1758359



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

800000

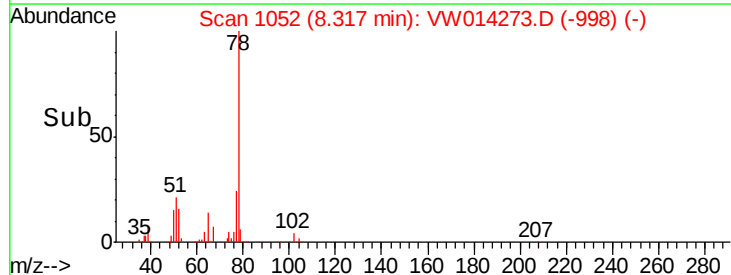
600000

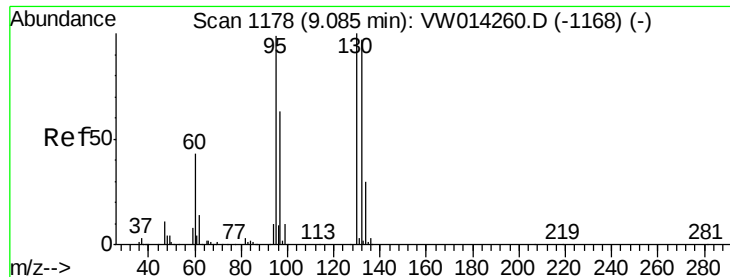
400000

200000

0

Time-->

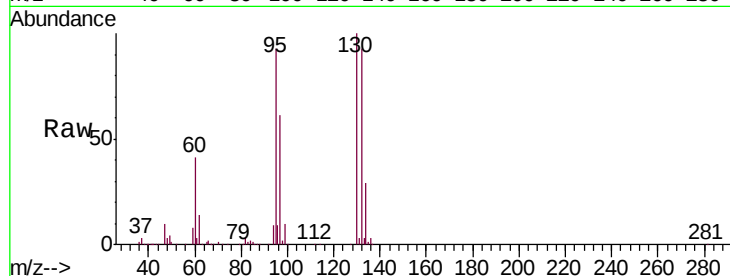




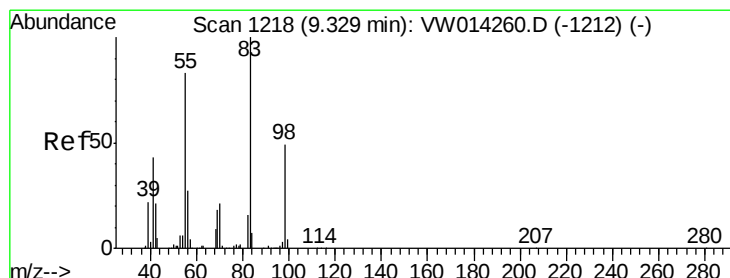
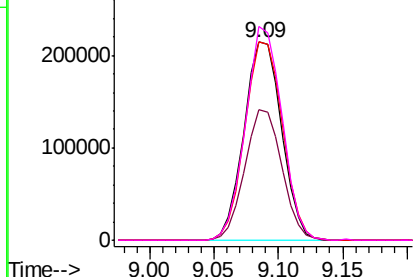
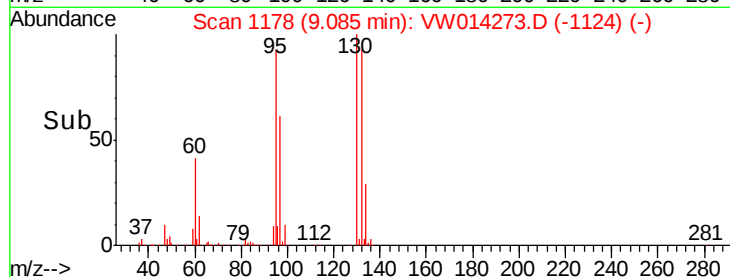
#35
 Trichloroethene
 Concen: 23.086 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 95 Resp: 436416
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.1 83.9
 132 100.1 73.7 136.9
 130 104.2 76.6 142.2

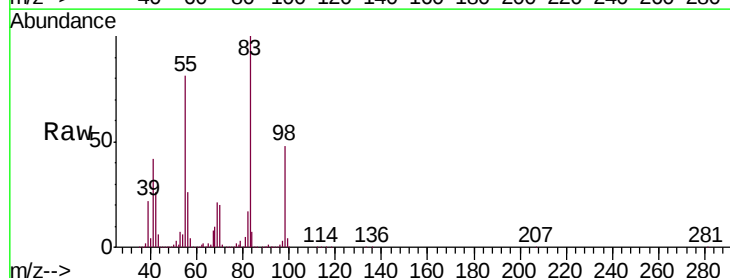


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

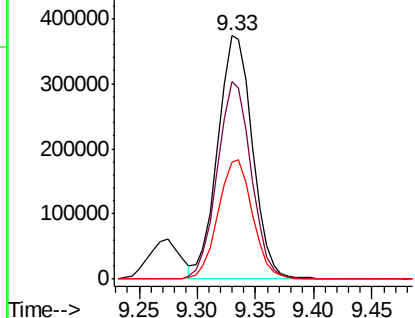
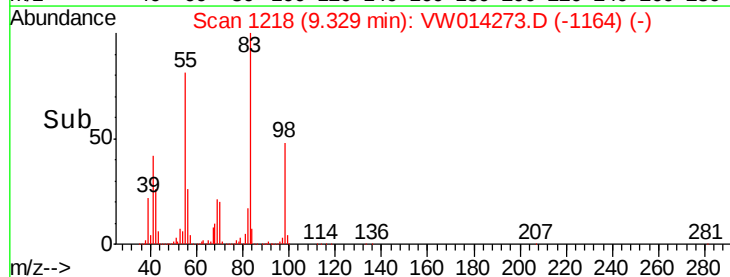


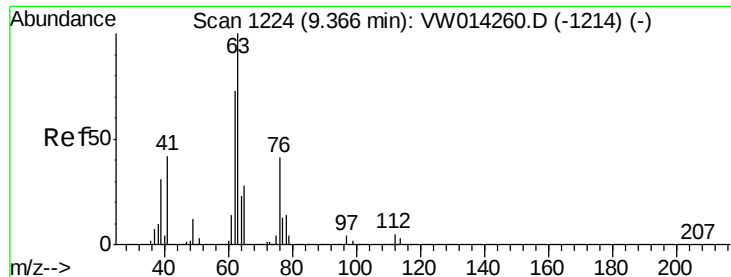
#36
 Methylcyclohexane
 Concen: 24.299 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion: 83 Resp: 771906
 Ion Ratio Lower Upper
 83 100
 55 79.0 59.8 89.8
 98 48.8 39.5 59.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

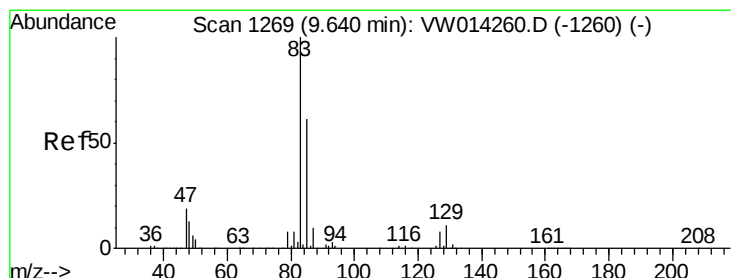
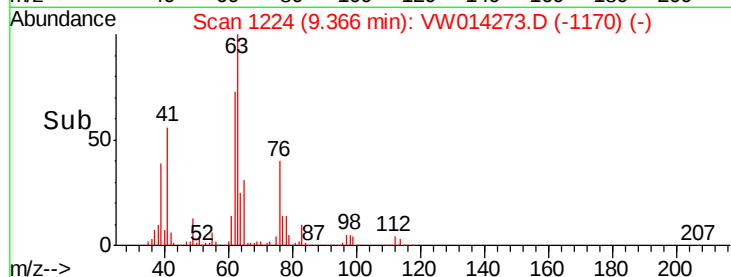
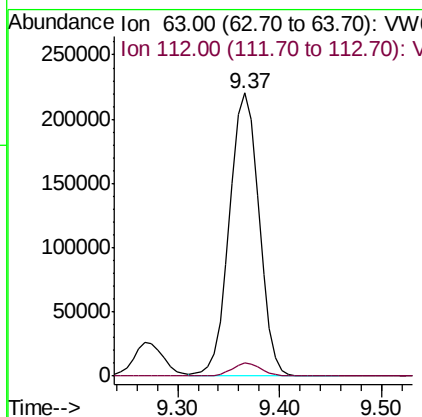
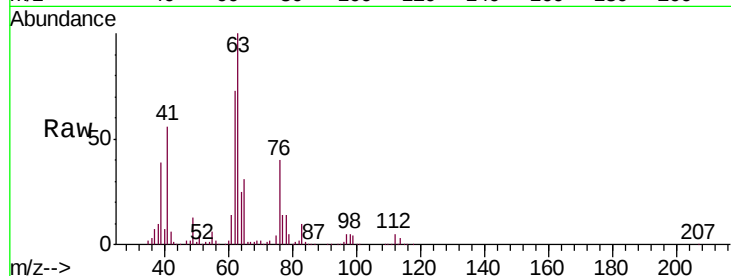




#40
 1,2-Dichloropropane
 Concen: 23.341 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

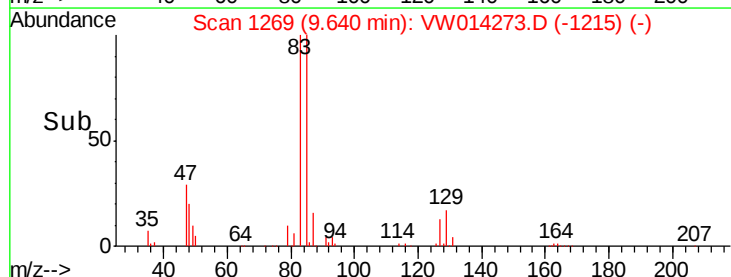
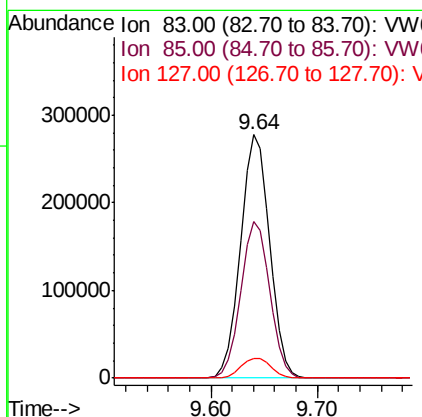
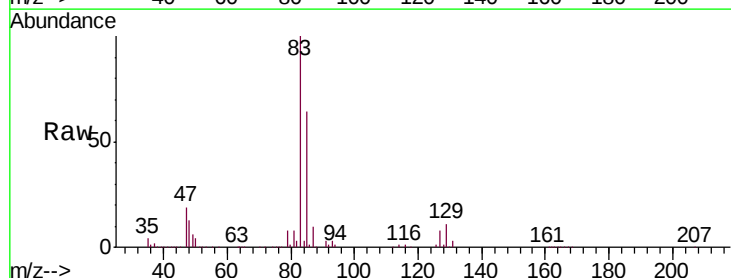
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

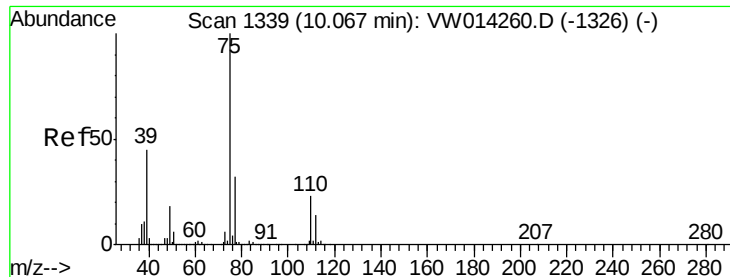
Tgt Ion: 63 Resp: 443037
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#41
 Bromodichloromethane
 Concen: 23.113 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion: 83 Resp: 533157
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.7
 127 8.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 23.647 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampled :

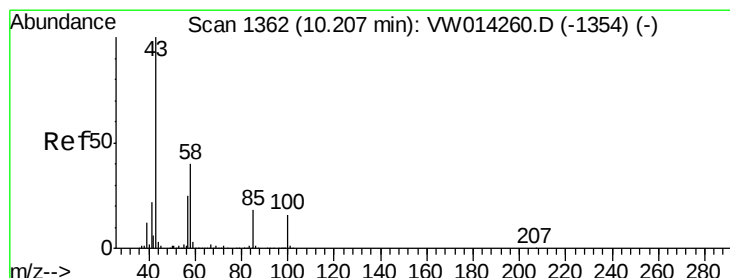
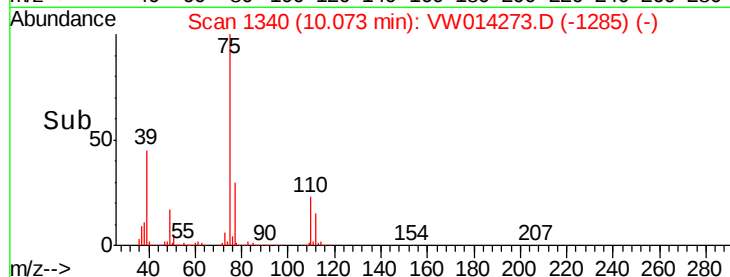
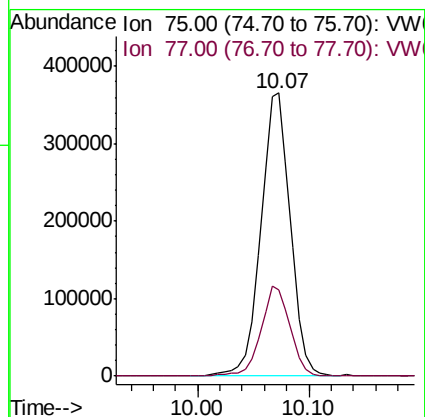
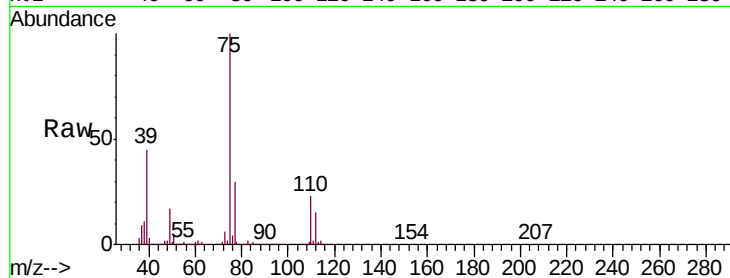
VSTD02511

Tgt Ion: 75 Resp: 672181

Ion Ratio Lower Upper

75 100

77 30.5 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 45.365 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

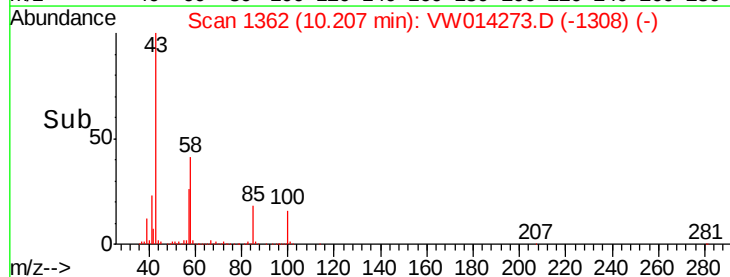
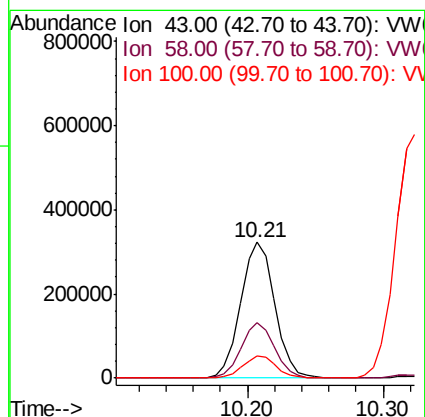
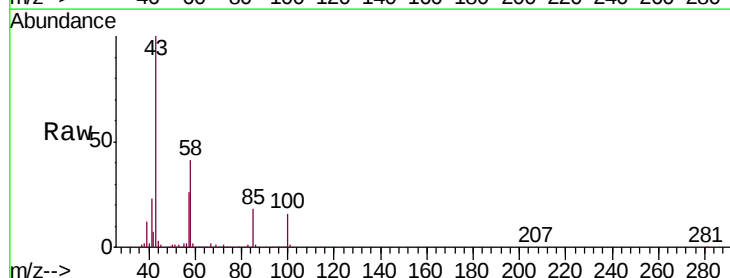
Tgt Ion: 43 Resp: 567816

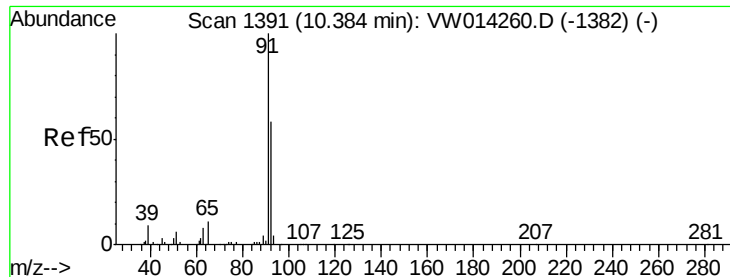
Ion Ratio Lower Upper

43 100

58 39.9 32.6 49.0

100 15.8 13.8 20.8





#44

Toluene

Concen: 23.972 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

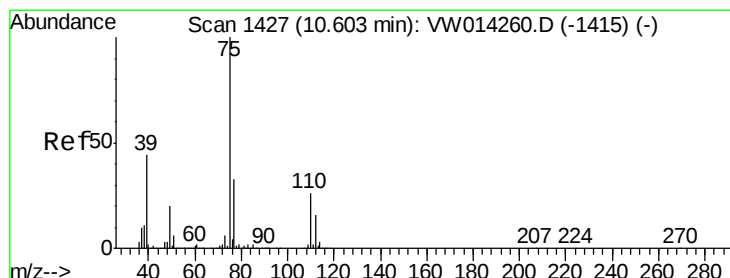
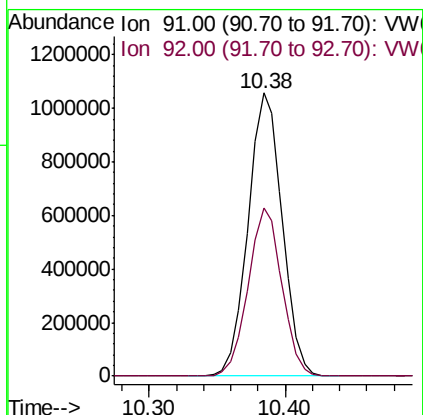
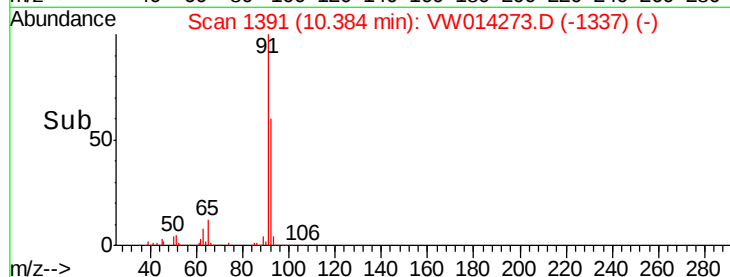
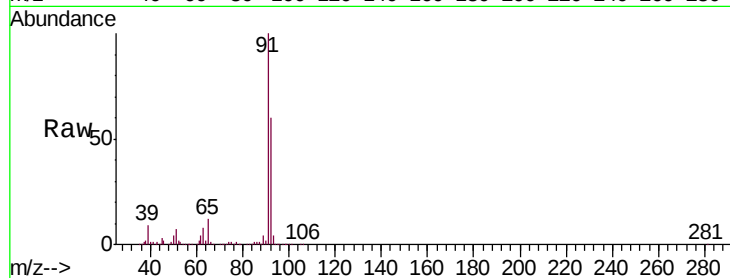
VSTD02511

Tgt Ion: 91 Resp: 1856893

Ion Ratio Lower Upper

91 100

92 59.5 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 22.943 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014273.D

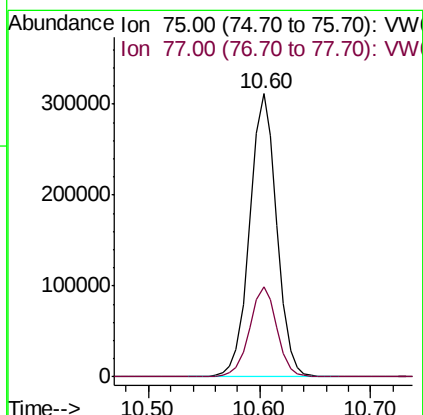
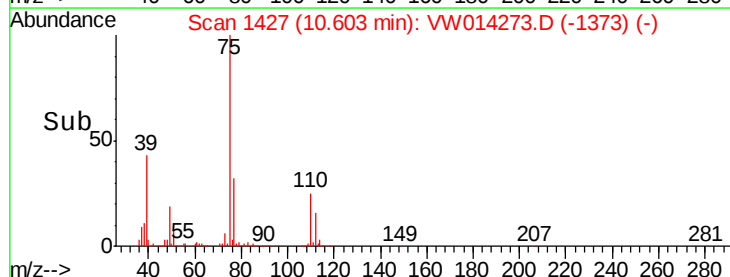
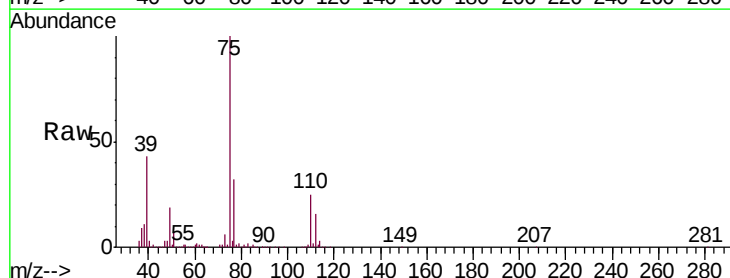
Acq: 09 Dec 2019 18:56

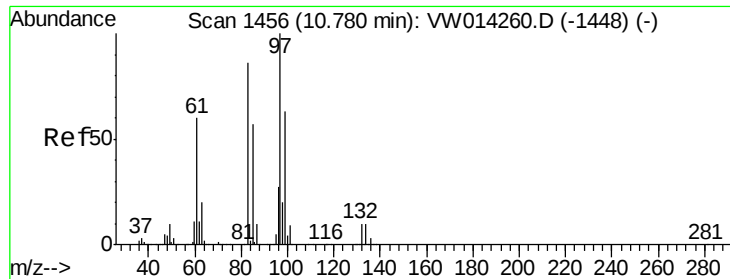
Tgt Ion: 75 Resp: 527926

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6

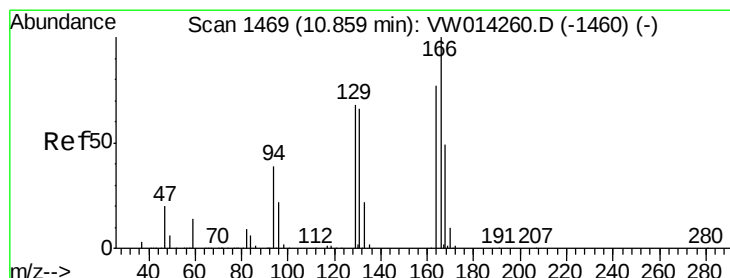
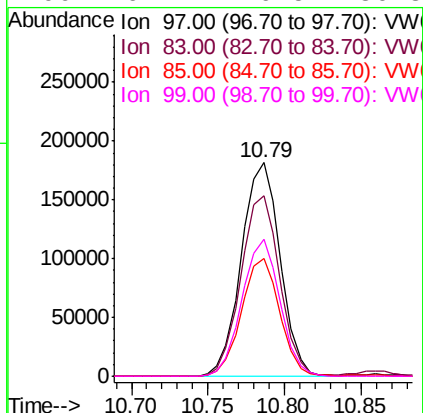
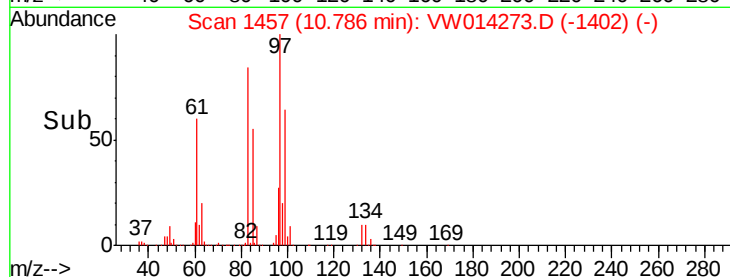
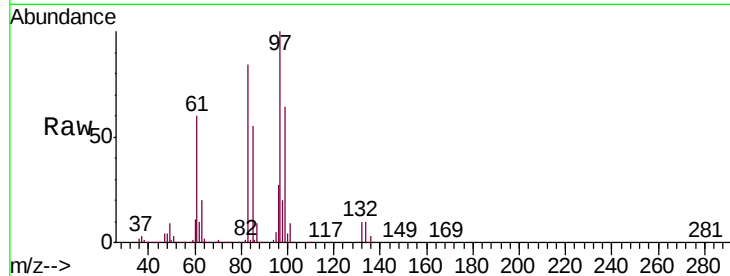




#46
 1,1,2-Trichloroethane
 Concen: 22.501 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

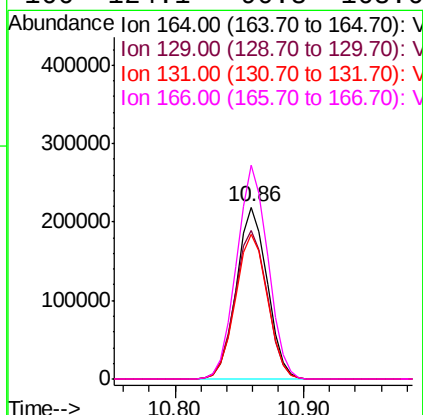
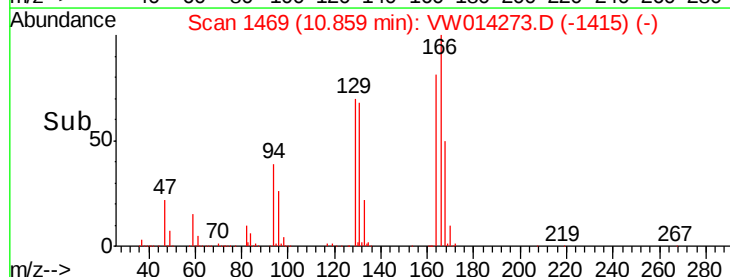
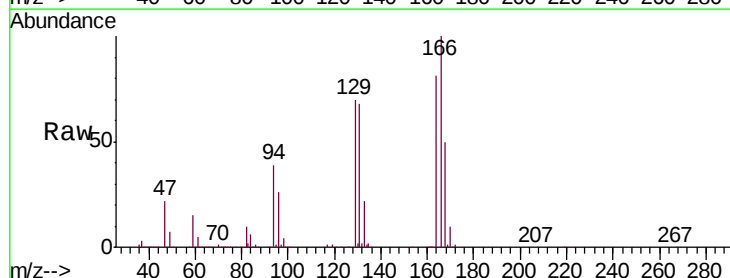
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

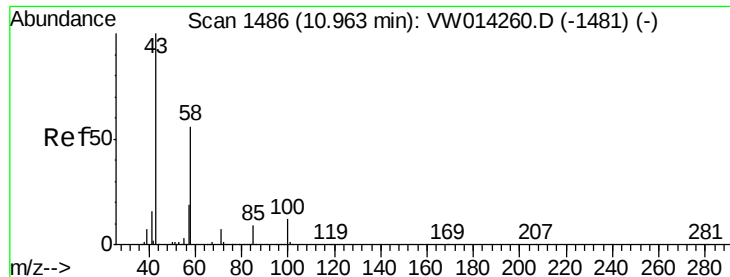
Tgt Ion:	97	Resp:	320047
Ion	Ratio	Lower	Upper
97	100		
83	84.3	58.9	109.5
85	55.4	38.1	70.9
99	64.4	46.5	86.3



#47
 Tetrachloroethene
 Concen: 23.082 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion:	164	Resp:	363693
Ion	Ratio	Lower	Upper
164	100		
129	86.5	60.6	112.6
131	84.0	59.1	109.7
166	124.1	90.8	168.6





#49

2-Hexanone

Concen: 45.552 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 43 Resp: 405922

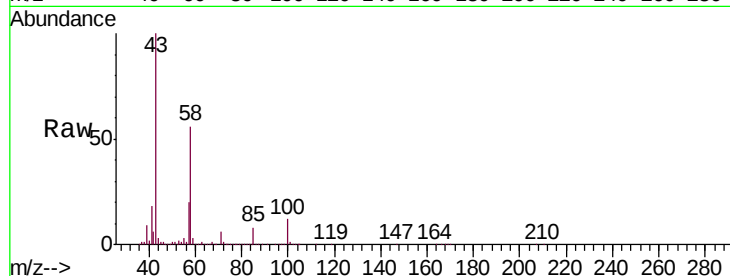
Ion Ratio Lower Upper

43 100

58 54.7 44.4 66.6

57 18.9 16.5 24.7

100 12.5 11.1 16.7

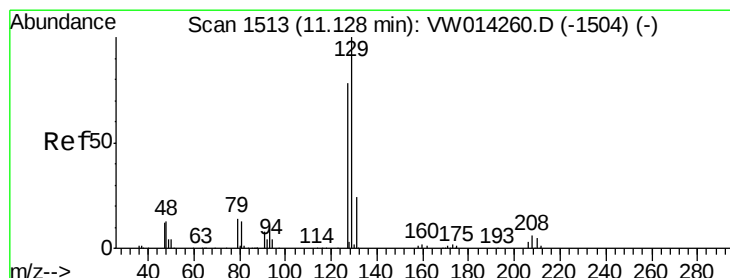
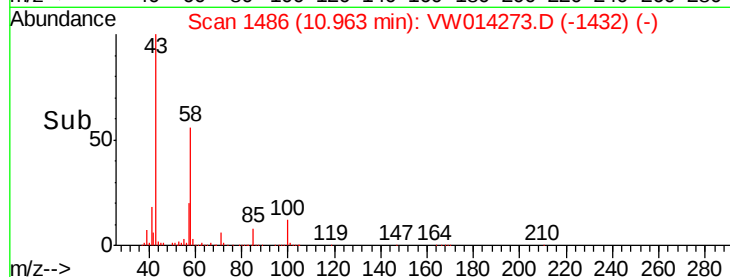
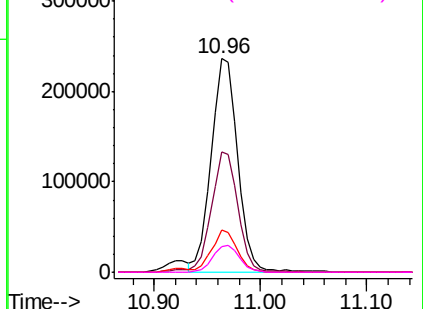


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 22.471 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014273.D

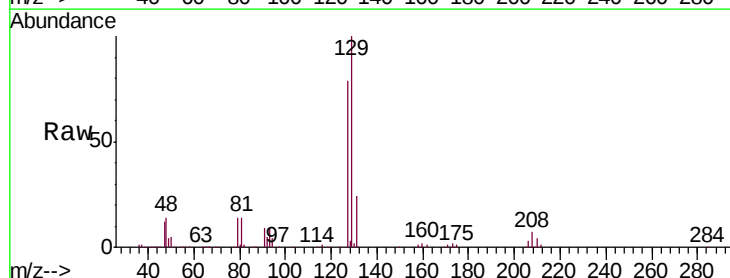
Acq: 09 Dec 2019 18:56

Tgt Ion: 129 Resp: 358723

Ion Ratio Lower Upper

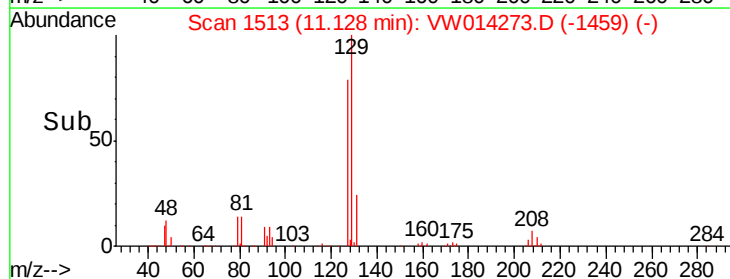
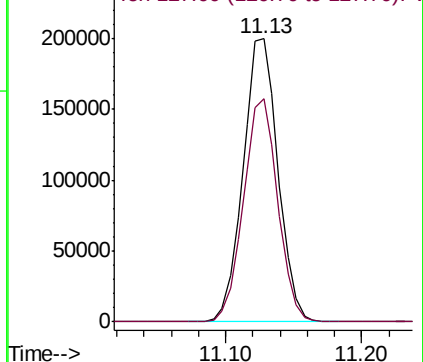
129 100

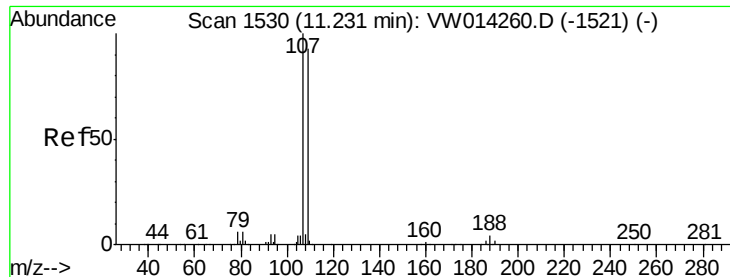
127 79.1 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

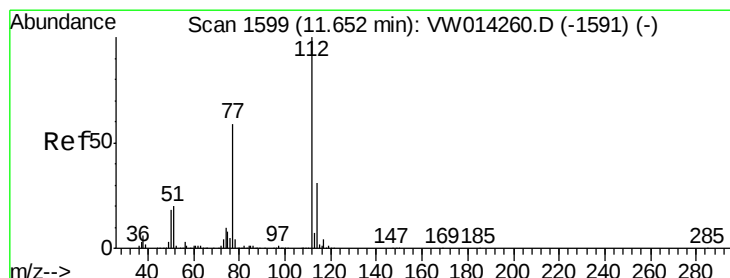
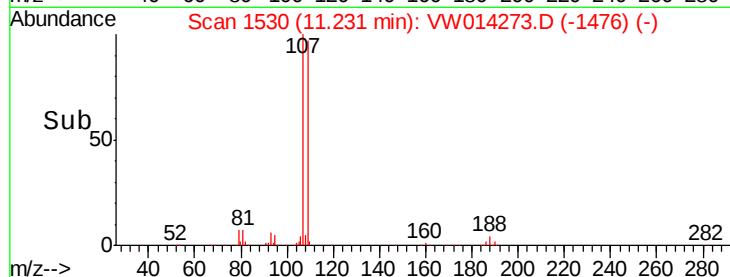
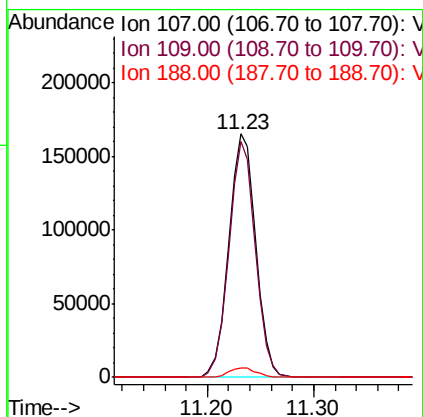
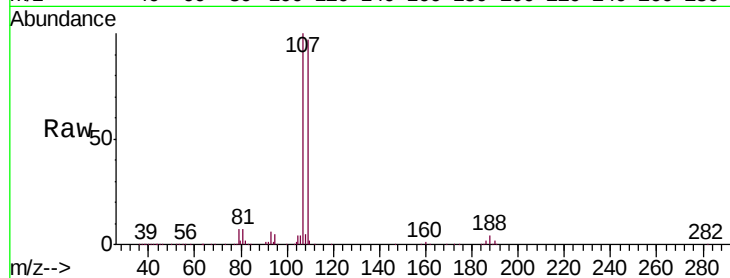




#51
1,2-Dibromoethane
Concen: 21.831 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

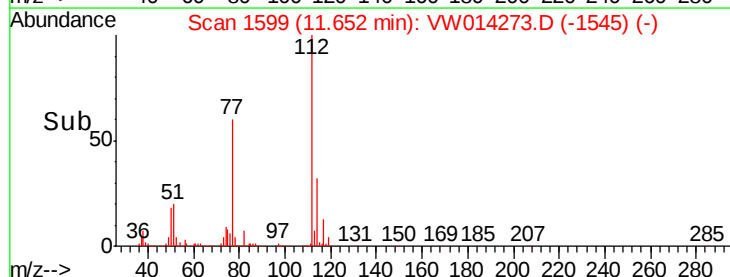
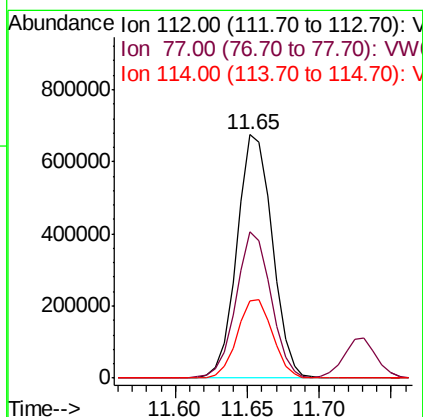
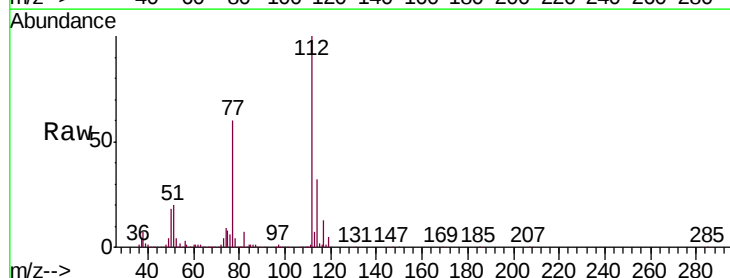
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

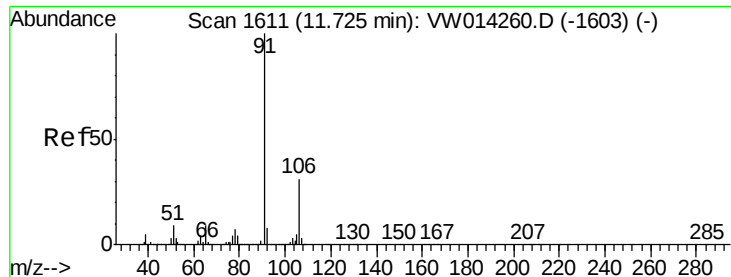
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.8	64.6	120.0
188	4.0	3.9	5.9



#52
Chlorobenzene
Concen: 22.931 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.2	42.2	63.4
114	31.9	22.5	41.9

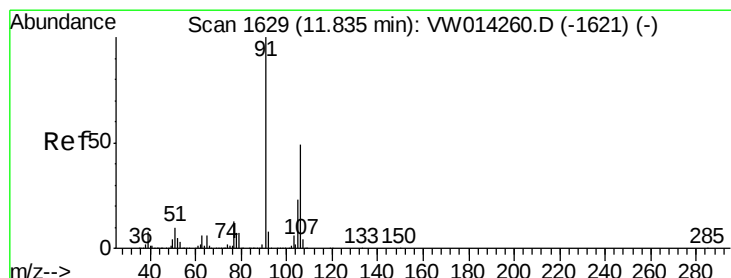
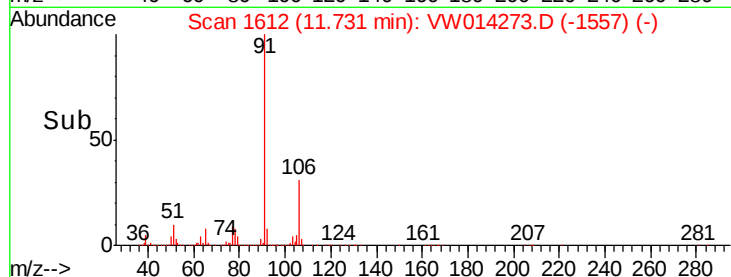
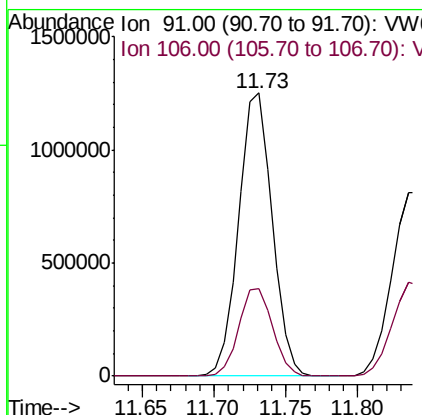
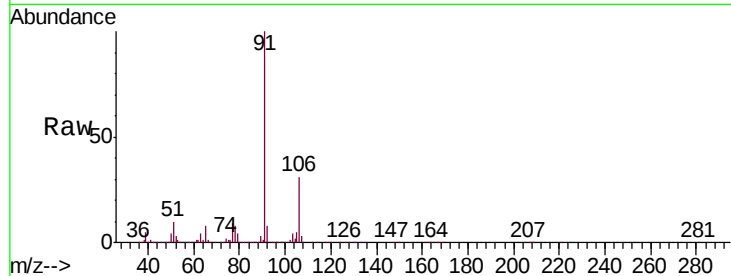




#53
Ethylbenzene
Concen: 24.095 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

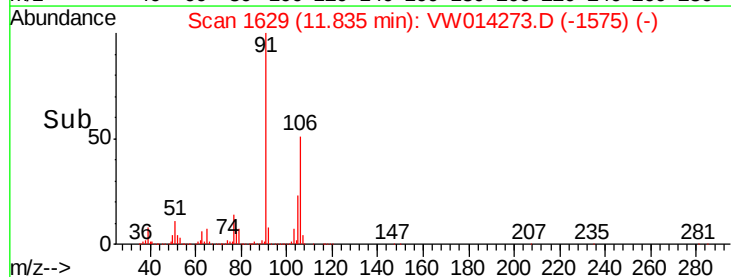
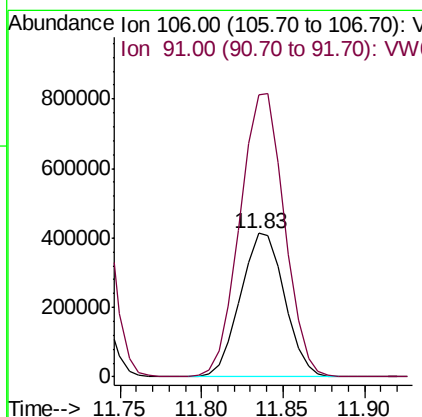
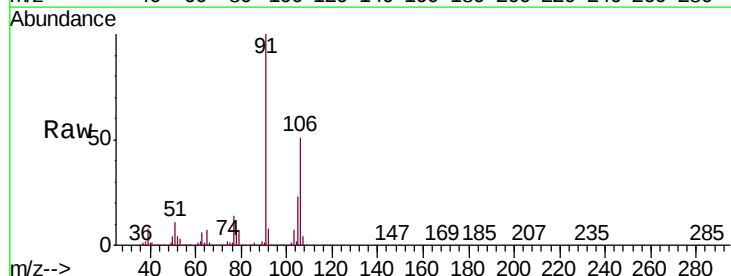
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

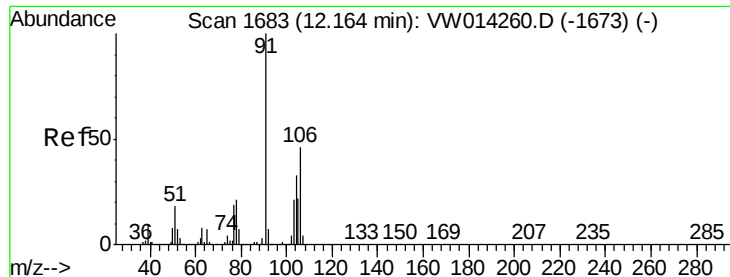
Tgt Ion: 91 Resp: 2025193
Ion Ratio Lower Upper
91 100
106 30.9 22.3 41.5



#54
m,p-Xylene
Concen: 24.032 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014273.D
Acq: 09 Dec 2019 18:56

Tgt Ion: 106 Resp: 776995
Ion Ratio Lower Upper
106 100
91 196.4 138.7 257.5





#55

o-xylene

Concen: 23.843 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

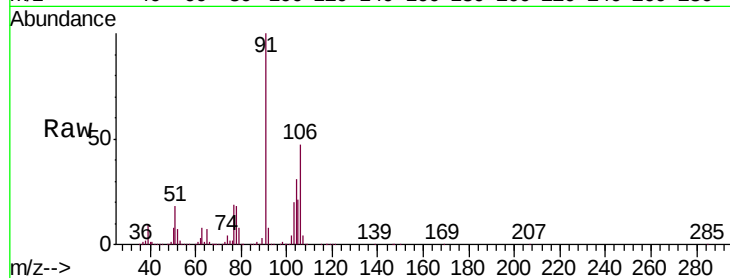
VSTD02511

Tgt Ion:106 Resp: 731194

Ion Ratio Lower Upper

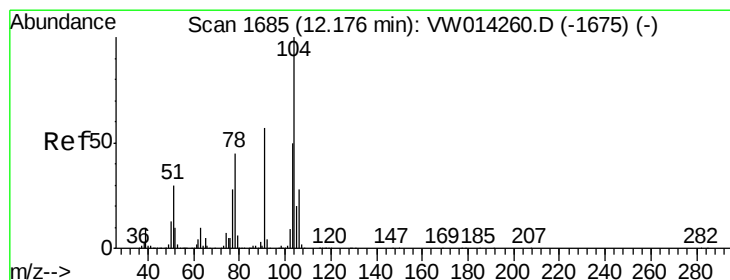
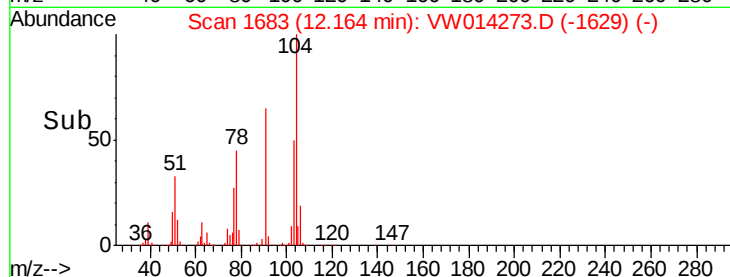
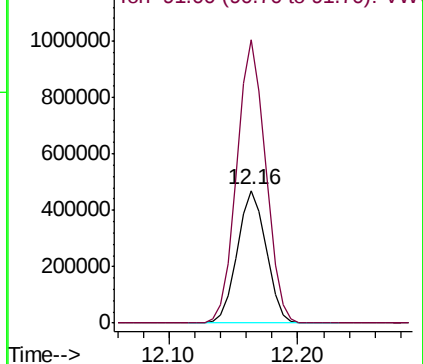
106 100

91 213.3 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.258 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014273.D

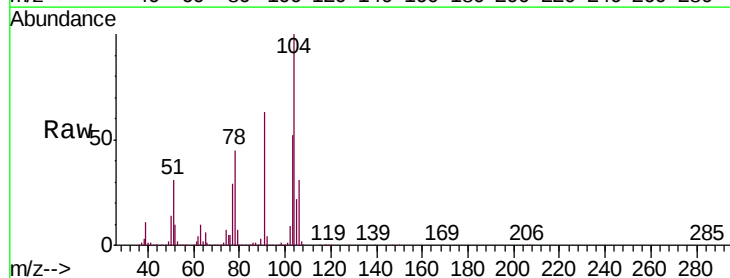
Acq: 09 Dec 2019 18:56

Tgt Ion:104 Resp: 1272671

Ion Ratio Lower Upper

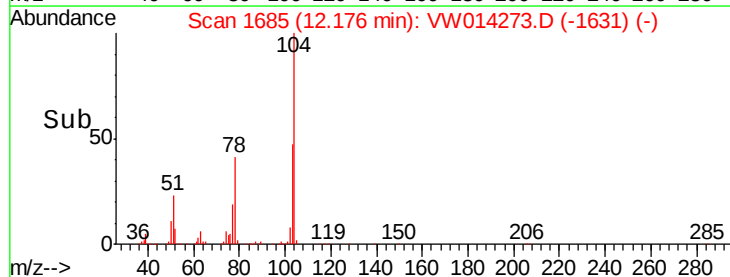
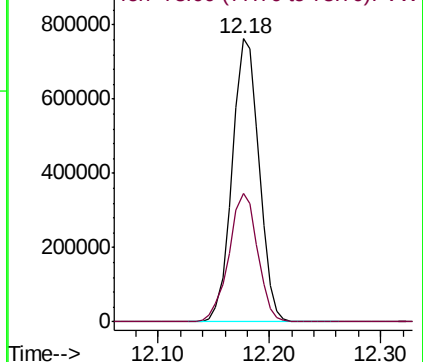
104 100

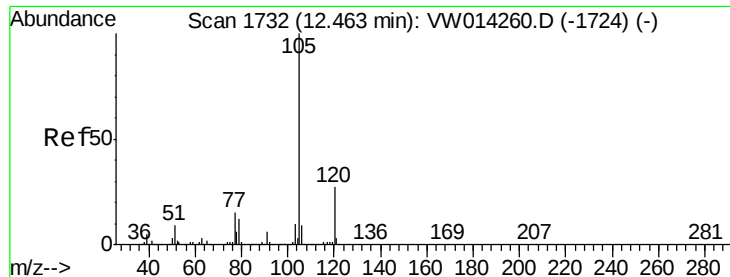
78 45.5 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.597 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

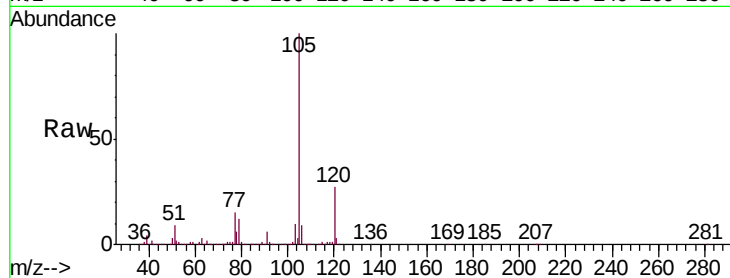
Tgt Ion: 105 Resp: 1958310

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

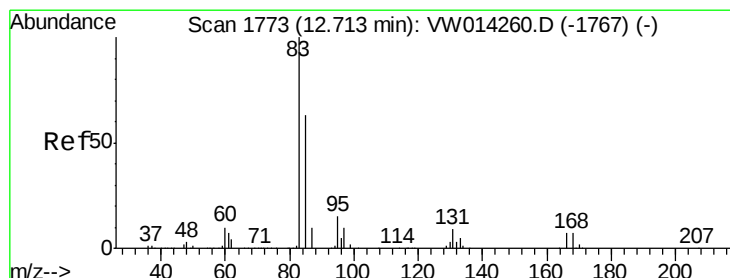
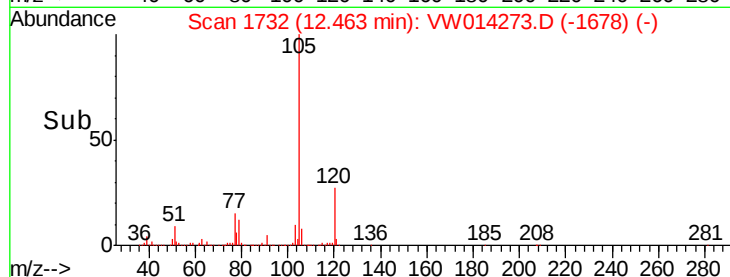
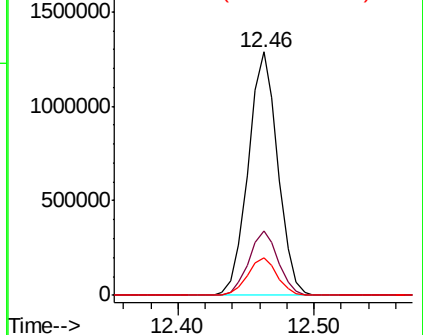
77 15.4 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.859 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

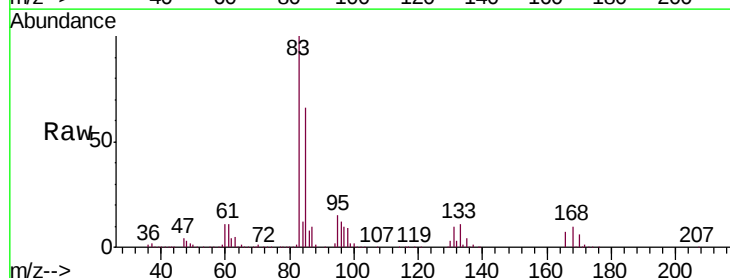
Tgt Ion: 83 Resp: 385905

Ion Ratio Lower Upper

83 100

85 66.4 43.7 81.1

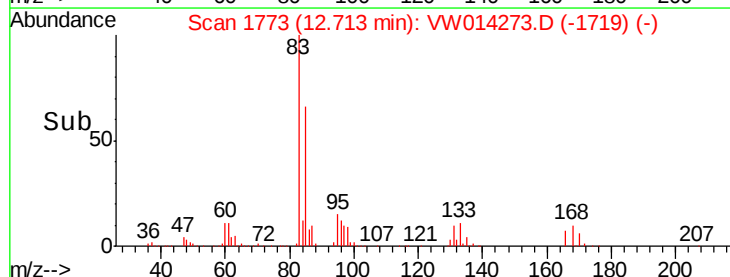
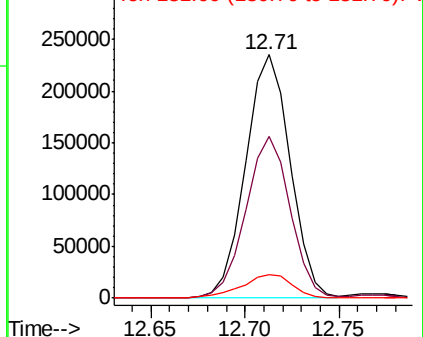
131 9.9 8.2 12.2

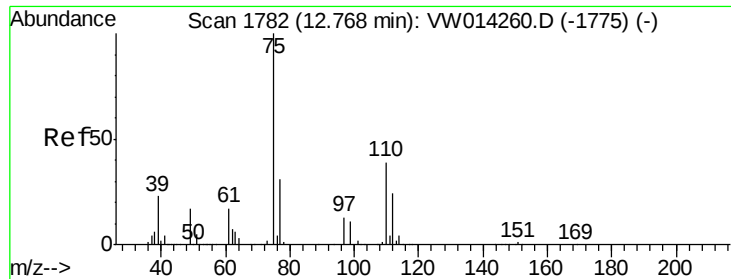


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.594 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

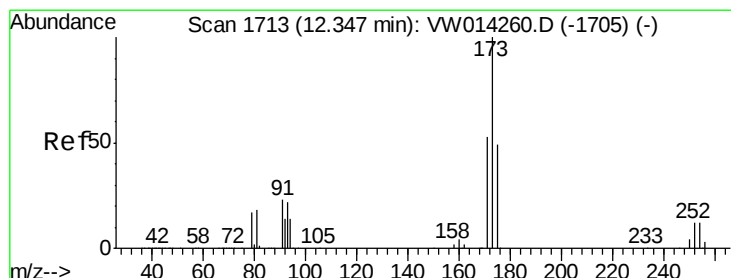
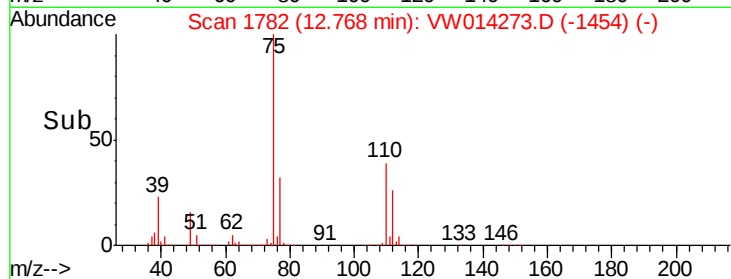
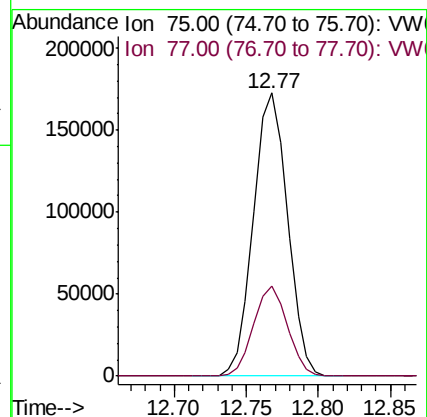
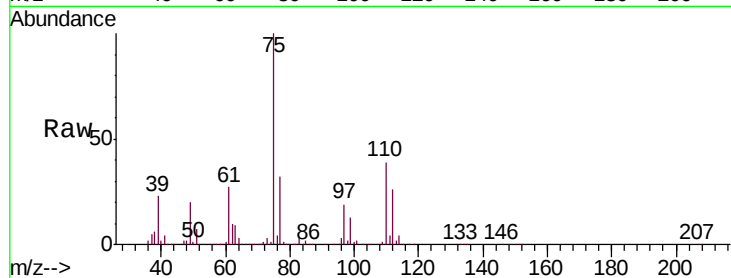
VSTD02511

Tgt Ion: 75 Resp: 283273

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



#62

Bromoform

Concen: 21.216 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

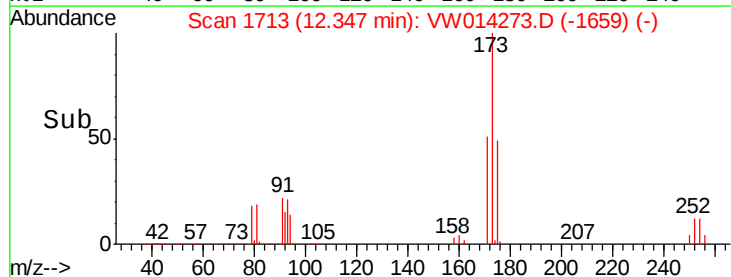
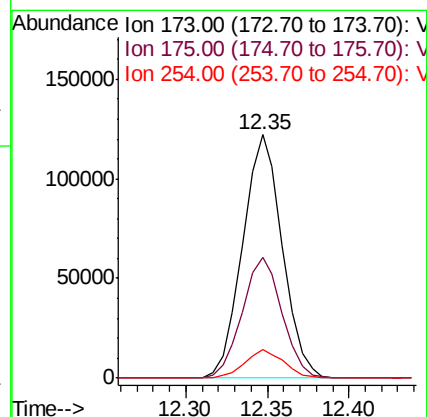
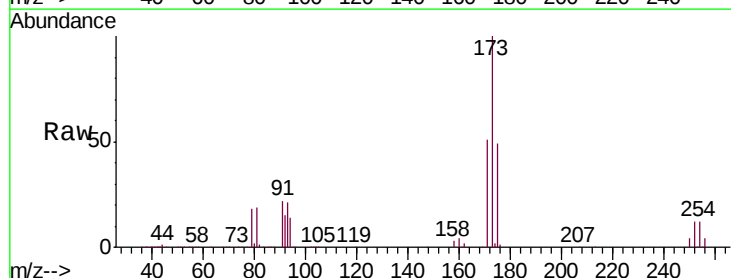
Tgt Ion: 173 Resp: 206446

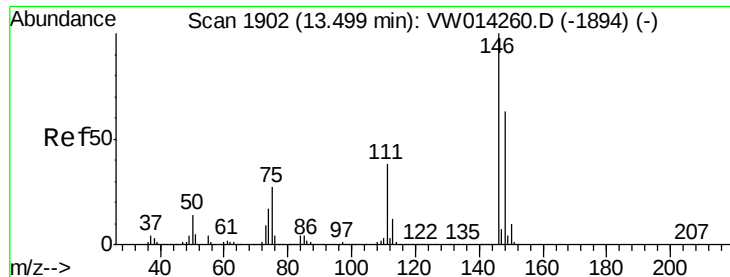
Ion Ratio Lower Upper

173 100

175 49.6 38.8 58.2

254 11.3 9.4 14.0

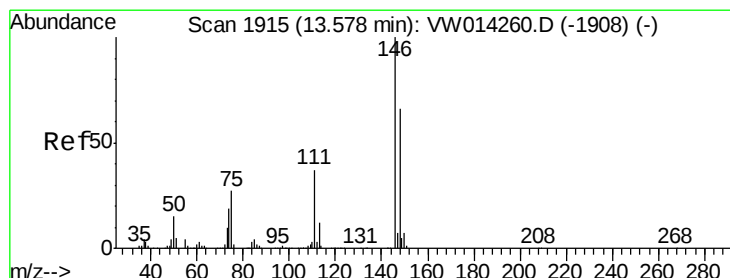
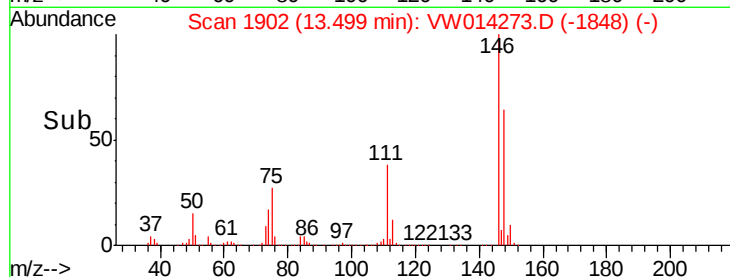
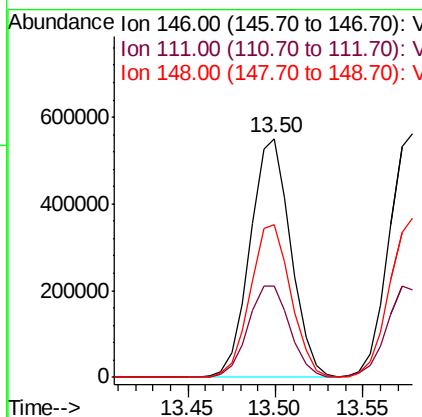
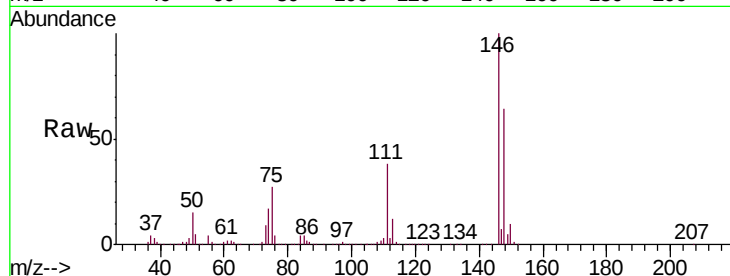




#63
 1,3-Dichlorobenzene
 Concen: 23.247 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

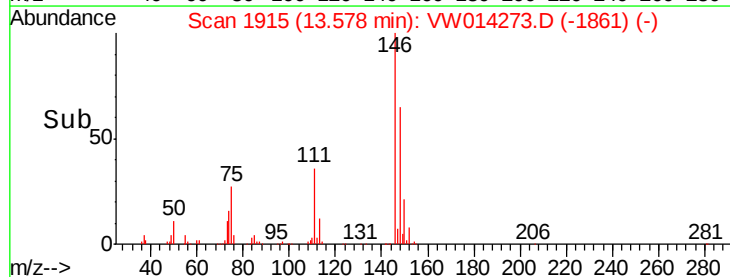
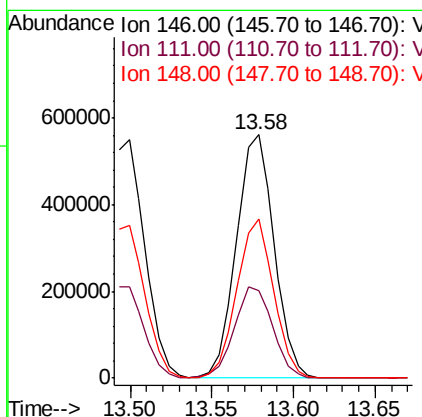
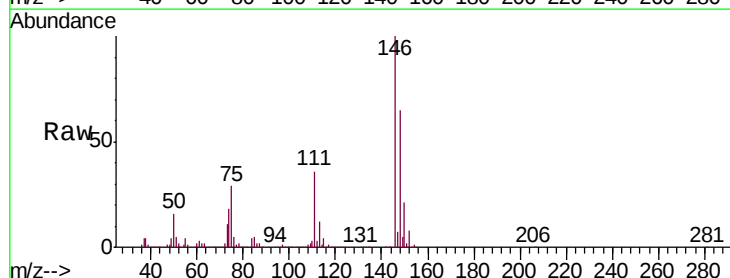
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

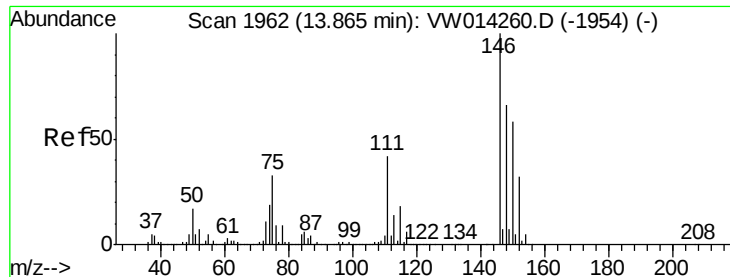
Tgt Ion:146 Resp: 895823
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.0 48.2
 148 63.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.128 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion:146 Resp: 905470
 Ion Ratio Lower Upper
 146 100
 111 36.1 24.9 46.3
 148 65.1 43.9 81.5

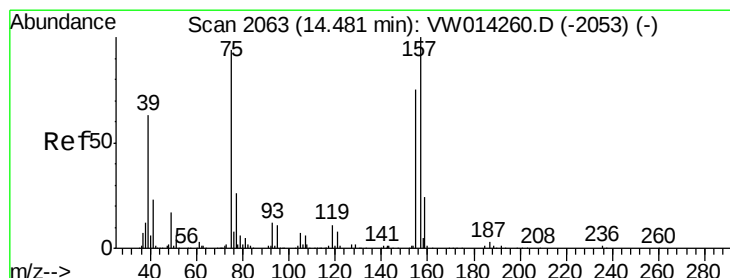
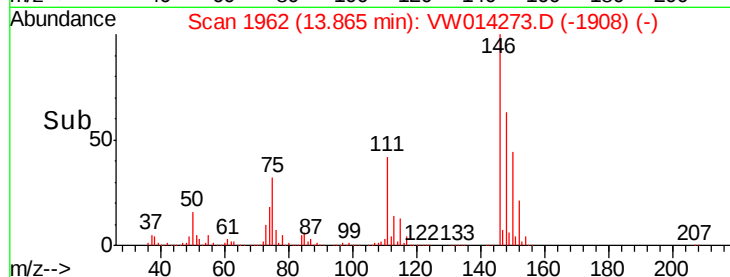
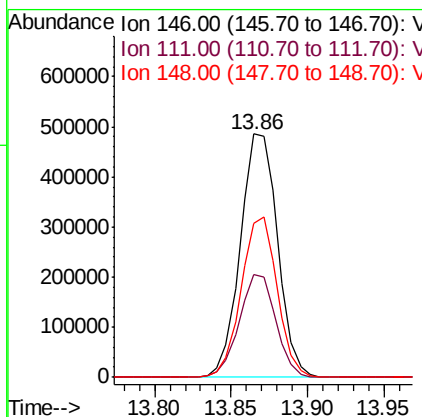
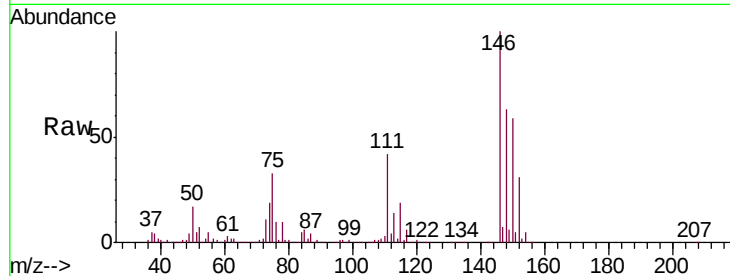




#65
 1,2-Dichlorobenzene
 Concen: 22.864 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

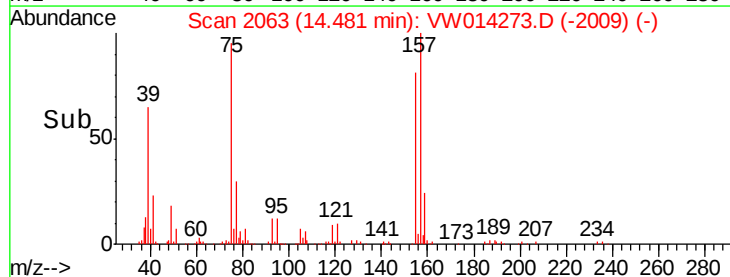
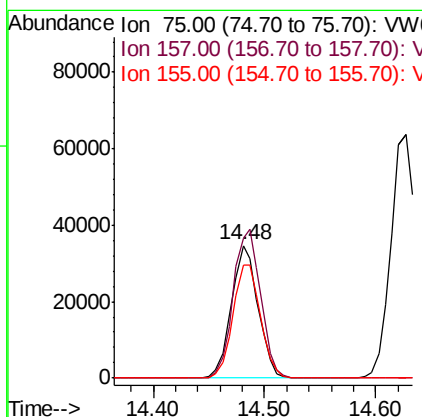
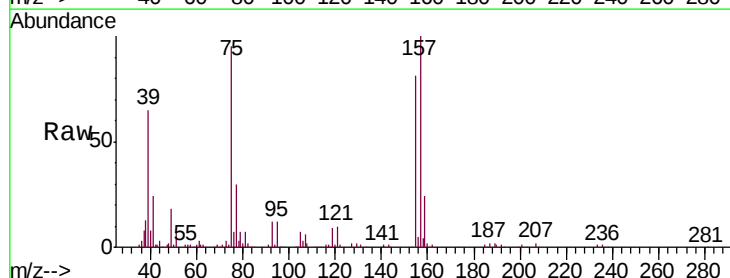
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

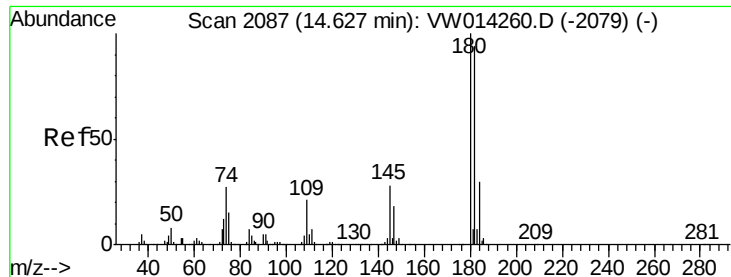
Tgt Ion: 146 Resp: 819334
 Ion Ratio Lower Upper
 146 100
 111 42.0 30.5 45.7
 148 63.4 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.922 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion: 75 Resp: 57837
 Ion Ratio Lower Upper
 75 100
 157 105.3 96.9 145.3
 155 85.5 82.9 124.3

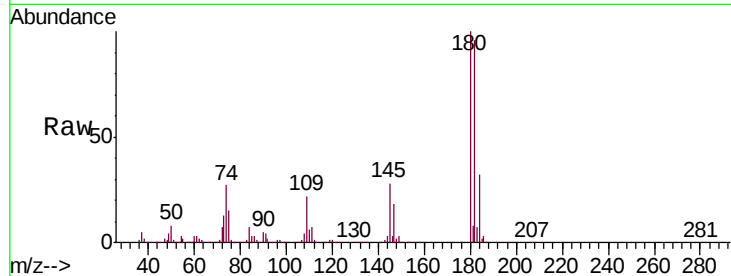




#67
 1,3,5-Trichlorobenzene
 Concen: 23.510 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion:	180	Resp:	651789
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.2
184	31.3	24.3	36.5
145	28.5	21.9	32.9



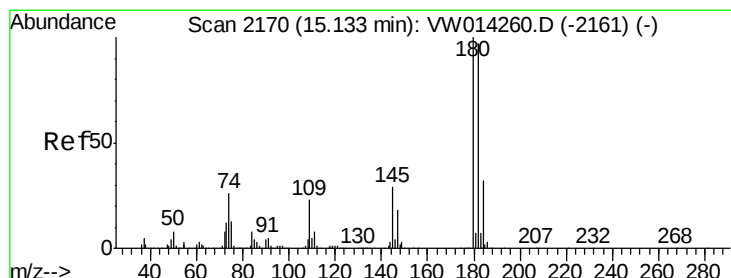
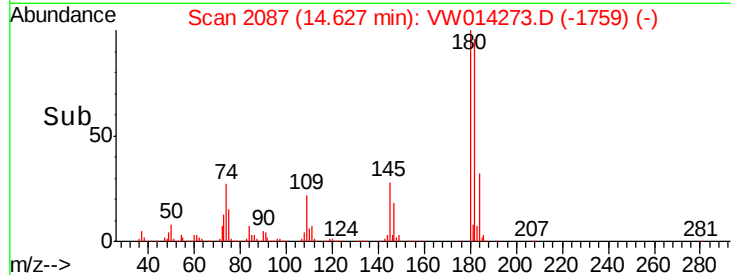
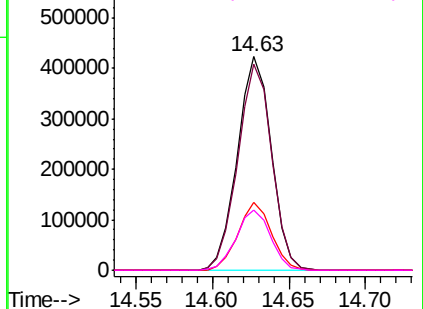
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

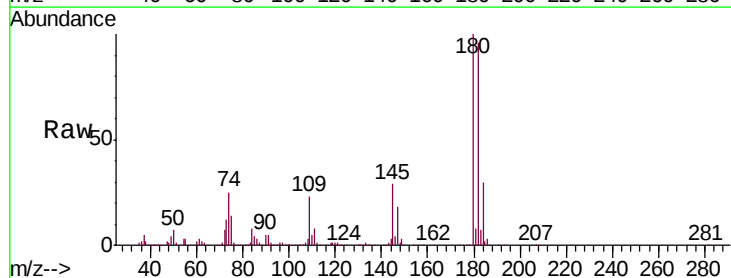
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.426 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014273.D
 Acq: 09 Dec 2019 18:56

Tgt Ion:	180	Resp:	527915
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	28.8	22.4	33.6

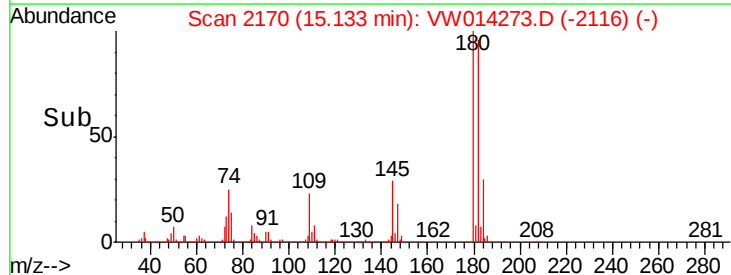
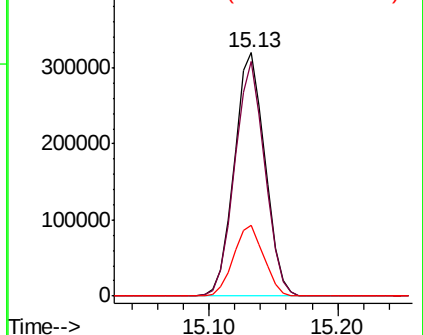


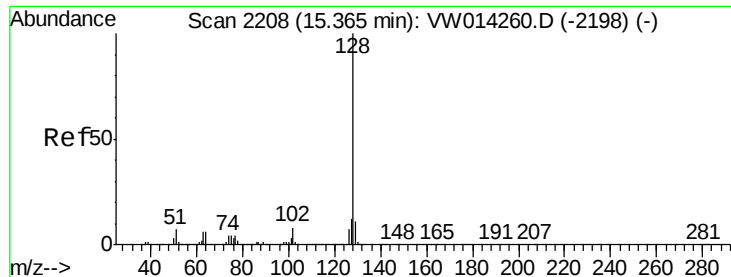
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.828 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

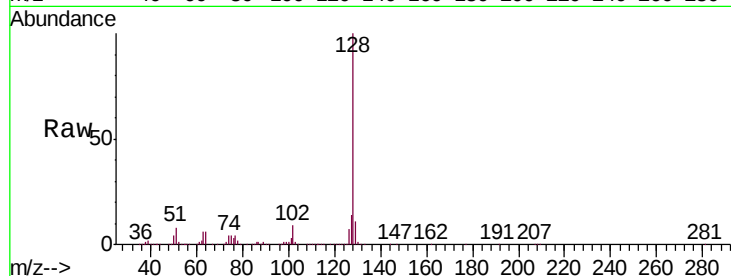
Tgt Ion:128 Resp: 968496

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

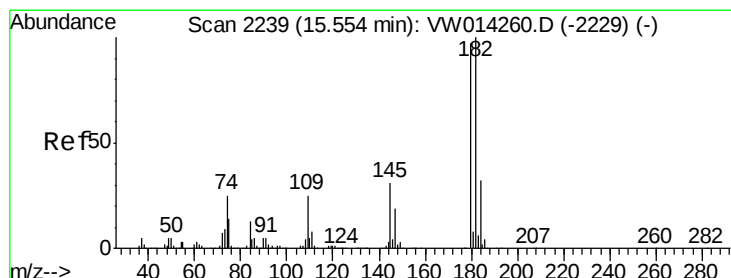
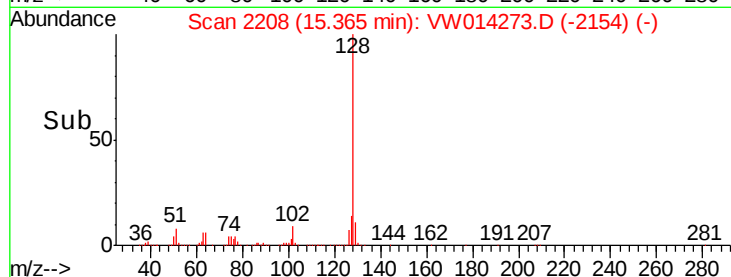
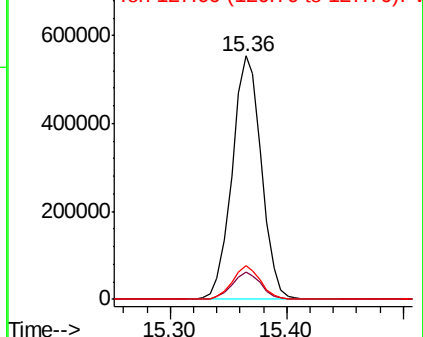
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.915 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014273.D

Acq: 09 Dec 2019 18:56

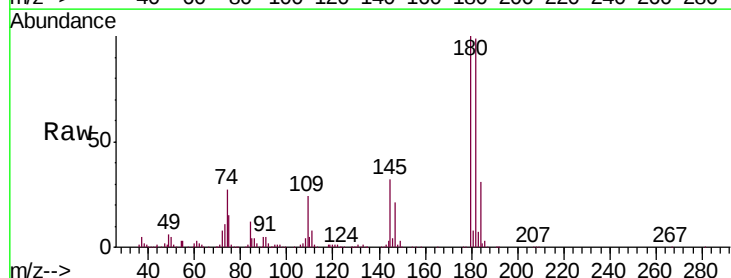
Tgt Ion:180 Resp: 484715

Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.6

145 31.2 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

