

Data File : VW014453.D
Acq On : 19 Dec 2019 01:31
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Dec 19 04:38:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 04:35:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1095298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	999589	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	480300	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	289155	17.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.72%
7) Chloroethane-d5	2.89	69	262878	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	4.03	63	614071	20.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.84%
20) 2-Butanone-d5	7.07	46	237035	54.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.68%
24) Chloroform-d	7.65	84	705469	25.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	8.30	65	378067	25.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.44%
29) Benzene-d6	8.27	84	1401862	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	9.27	67	446566	24.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.12%
37) Toluene-d8	10.32	98	1258960	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.08%
38) trans-1,3-Dichloropropene-	10.57	79	174851	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	189610	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	372832	25.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	444334	24.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	195395	18.757	ug/L	100
3) Chloromethane	2.21	50	231971	22.150	ug/L	98
5) Vinyl chloride	2.36	62	361026	23.283	ug/L	98
6) Bromomethane	2.78	94	219935	22.995	ug/L	99
8) Chloroethane	2.92	64	212783	24.019	ug/L	97
9) Trichlorofluoromethane	3.25	101	161064	20.982	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	337083	23.332	ug/L	93
12) 1,1-Dichloroethene	4.04	96	337764	23.093	ug/L	93
13) Acetone	4.12	43	147036	35.285	ug/L	98
14) Carbon disulfide	4.38	76	968695	21.594	ug/L	99
15) Methyl Acetate	4.66	43	190867	24.215	ug/L	96
16) Methylene chloride	4.92	84	394331	23.485	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	480051	24.888	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	365848	23.357	ug/L	90
19) 1,1-Dichloroethane	6.21	63	705160	25.057	ug/L	99
21) 2-Butanone	7.16	43	247959	44.321	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	406766	24.406	ug/L	96

Data File : VW014453.D
Acq On : 19 Dec 2019 01:31
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Dec 19 04:38:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 04:35:06 2019
Response via : Initial Calibration

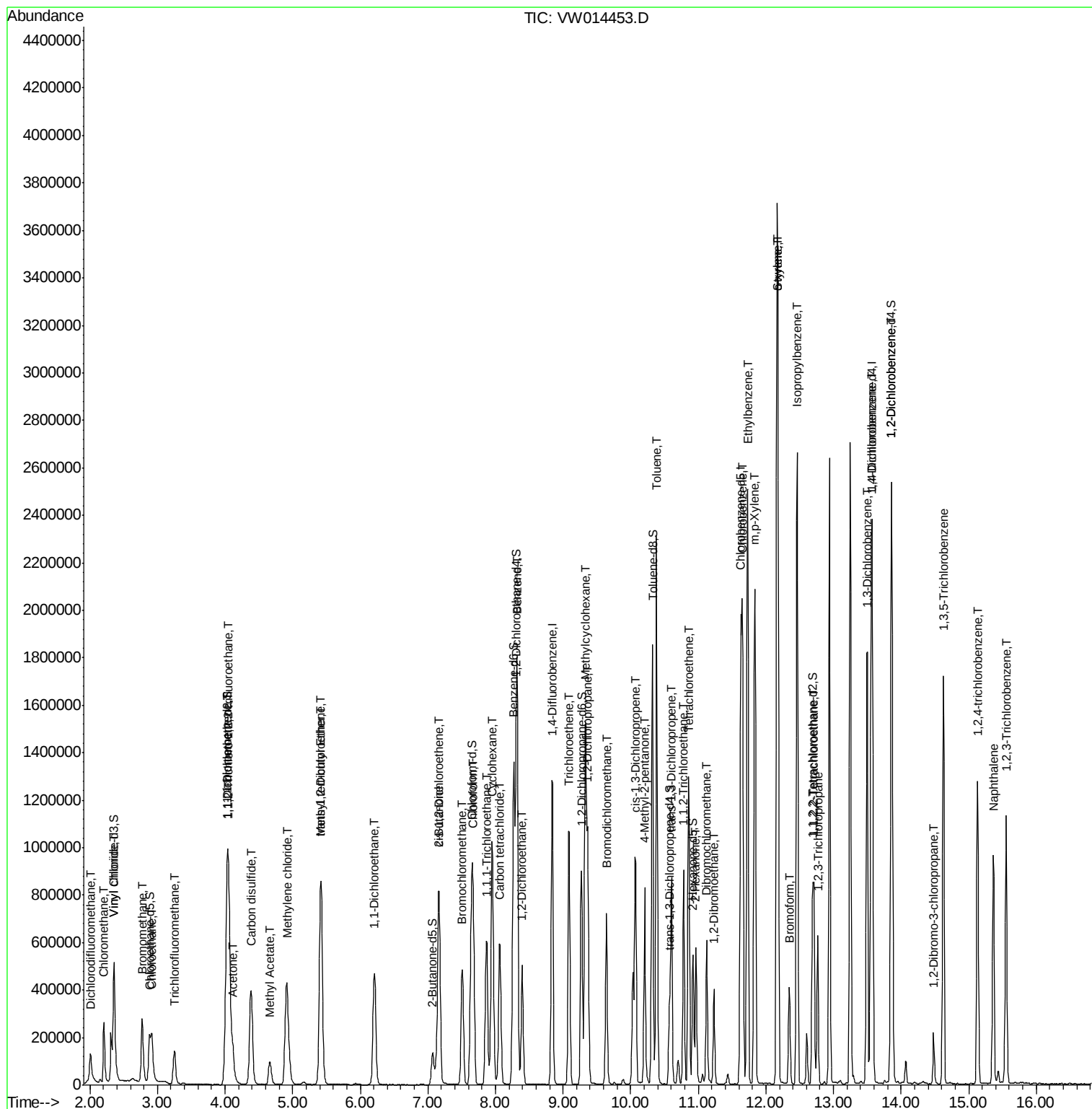
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	178816	23.324	ug/L	82
25) Chloroform	7.67	83	688069	25.161	ug/L	99
27) 1,2-Dichloroethane	8.40	62	447597	24.995	ug/L	95
30) Cyclohexane	7.95	56	598356	23.982	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	506254	25.218	ug/L	97
32) Carbon tetrachloride	8.07	117	465100	24.418	ug/L	100
34) Benzene	8.32	78	1578782	24.945	ug/L	100
35) Trichloroethene	9.09	95	385755	23.821	ug/L	95
36) Methylcyclohexane	9.34	83	628807	23.108	ug/L	96
40) 1,2-Dichloropropane	9.37	63	403976	24.845	ug/L	99
41) Bromodichloromethane	9.64	83	491368	24.866	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	587452	24.125	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	543311	50.672	ug/L	96
44) Toluene	10.38	91	1657064	24.973	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	473440	24.019	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	292381	23.996	ug/L	98
47) Tetrachloroethene	10.86	164	310238	22.985	ug/L	97
49) 2-Hexanone	10.96	43	377739	49.484	ug/L	97
50) Dibromochloromethane	11.13	129	328230	24.002	ug/L	100
51) 1,2-Dibromoethane	11.23	107	270672	23.453	ug/L	100
52) Chlorobenzene	11.65	112	1031938	24.063	ug/L	93
53) Ethylbenzene	11.73	91	1805255	25.073	ug/L	99
54) m,p-Xylene	11.83	106	686277	24.779	ug/L	99
55) o-xylene	12.16	106	656487	24.990	ug/L	99
56) Styrene	12.18	104	1141679	25.404	ug/L	98
57) Isopropylbenzene	12.46	105	1712519	25.110	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	355585	23.513	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	263370	23.437	ug/L	100
62) Bromoform	12.35	173	187995	23.062	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	776931	24.067	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	787991	24.025	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	723940	24.115	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	55067	23.778	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	558091	24.028	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	432696	23.897	ug/L	99
69) Naphthalene	15.36	128	832108	24.438	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	402554	23.708	ug/L	99

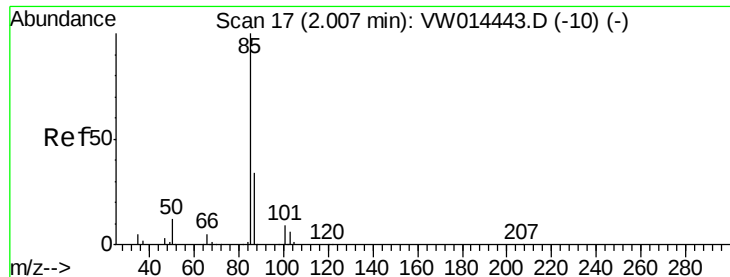
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014453.D
Acq On : 19 Dec 2019 01:31
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

Quant Time: Dec 19 04:38:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 04:35:06 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 18.757 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

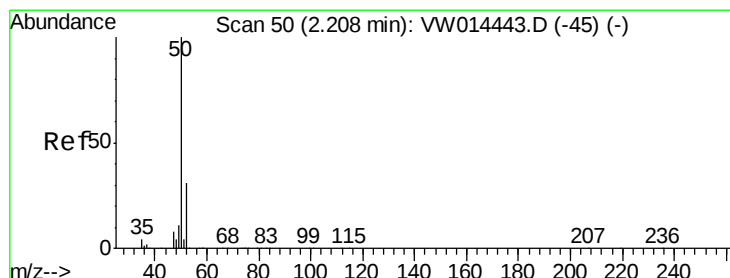
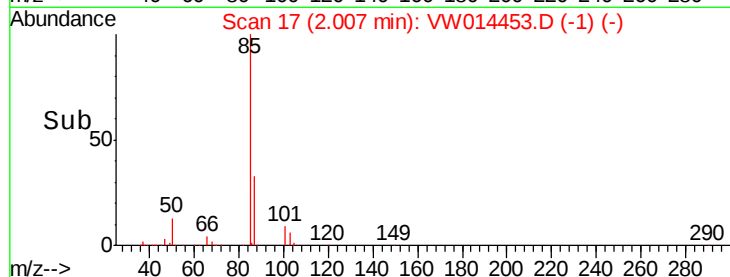
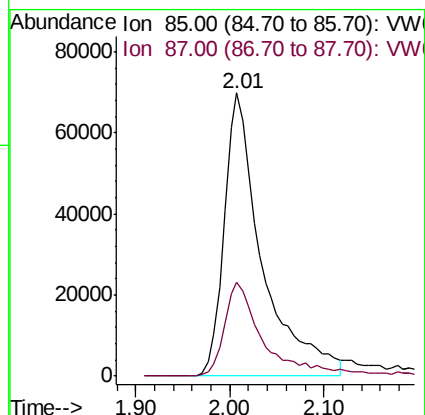
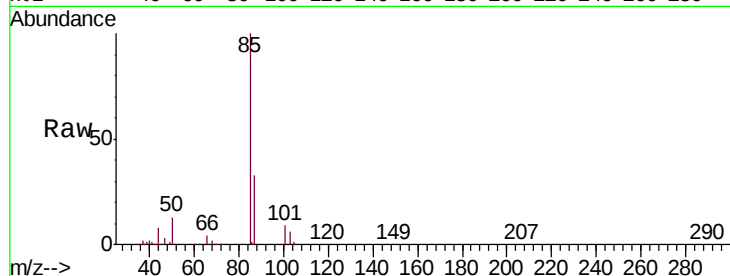
VSTD02527

Tgt Ion: 85 Resp: 195395

Ion Ratio Lower Upper

85 100

87 31.4 22.1 41.1



#3

Chloromethane

Concen: 22.150 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014453.D

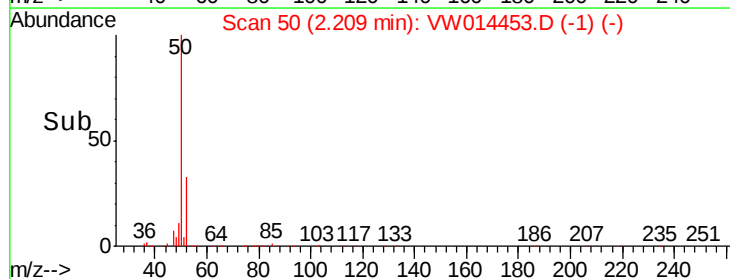
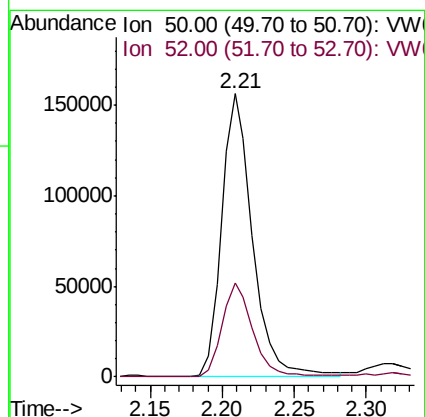
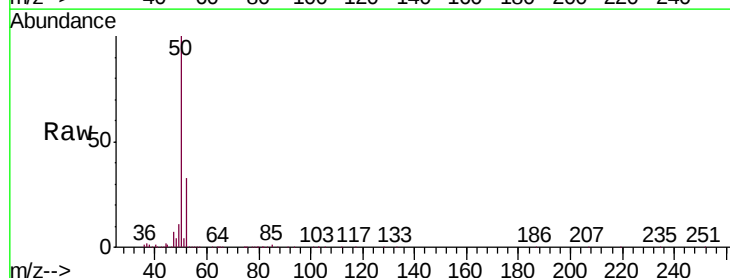
Acq: 19 Dec 2019 01:31

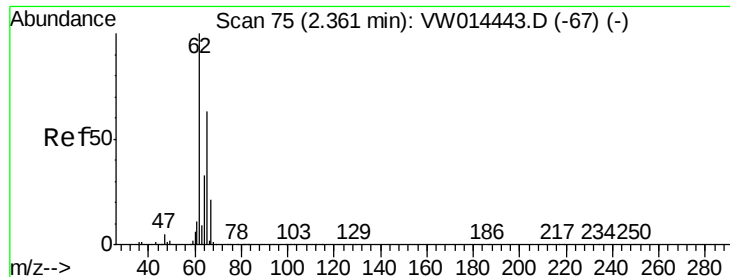
Tgt Ion: 50 Resp: 231971

Ion Ratio Lower Upper

50 100

52 33.1 23.8 44.2





#5

Vinyl chloride

Concen: 23.283 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

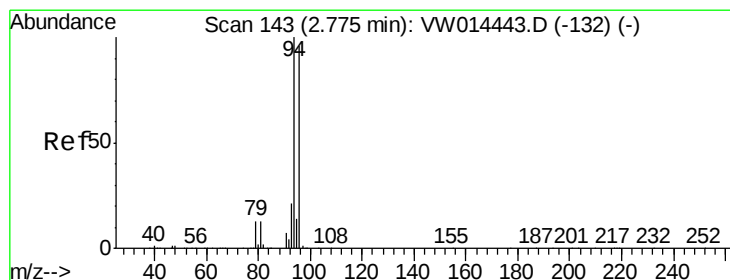
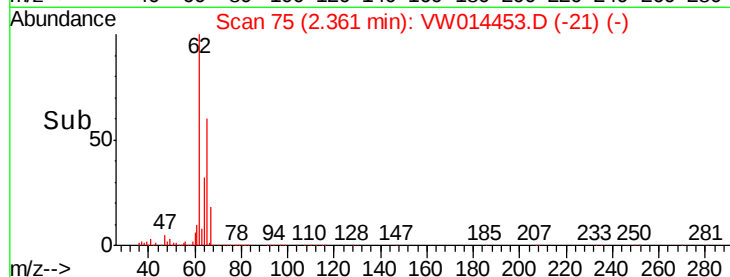
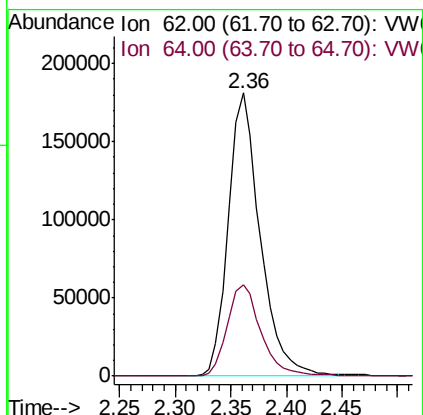
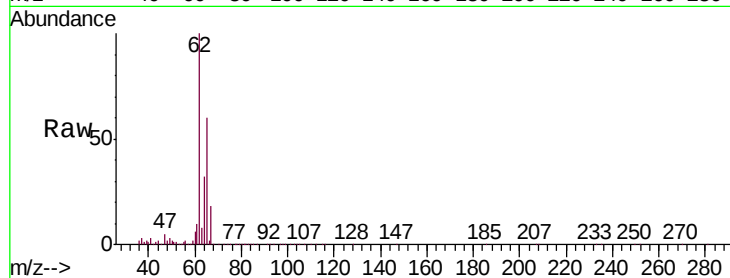
VSTD02527

Tgt Ion: 62 Resp: 361026

Ion Ratio Lower Upper

62 100

64 32.3 21.8 40.4



#6

Bromomethane

Concen: 22.995 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014453.D

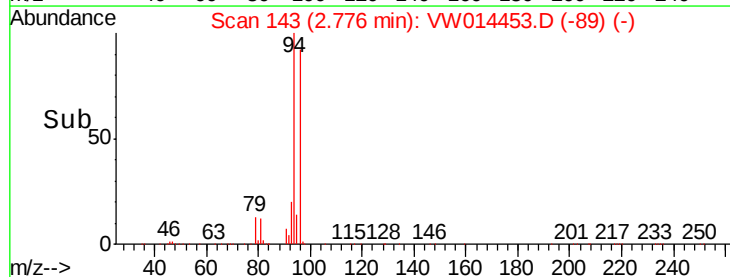
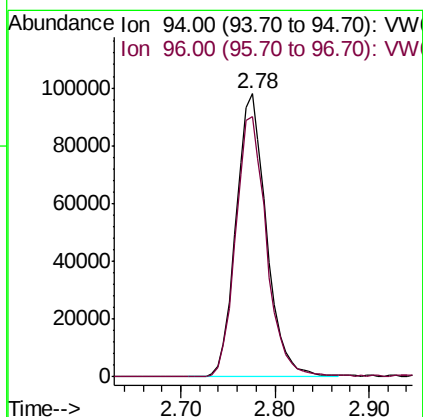
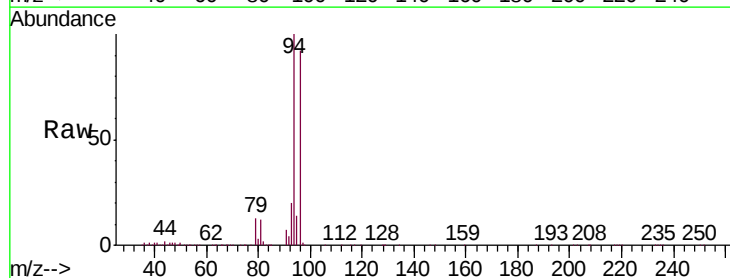
Acq: 19 Dec 2019 01:31

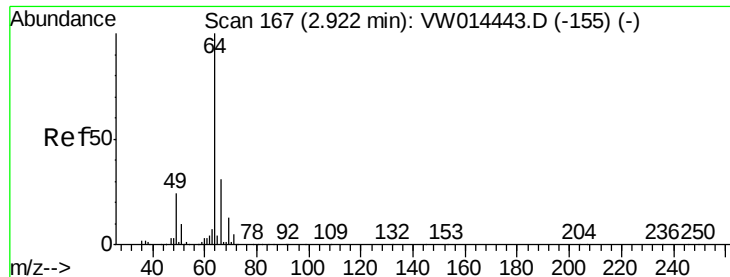
Tgt Ion: 94 Resp: 219935

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.8





#8

Chloroethane

Concen: 24.019 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

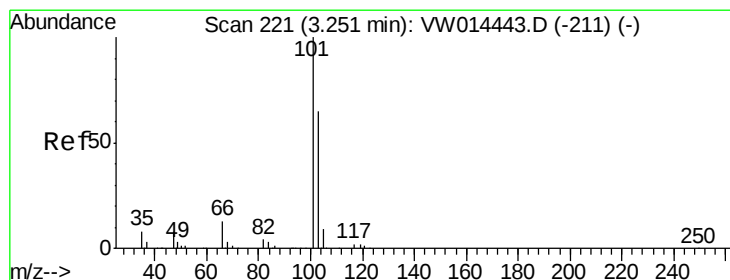
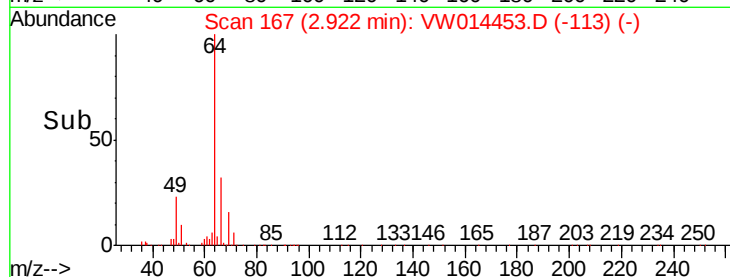
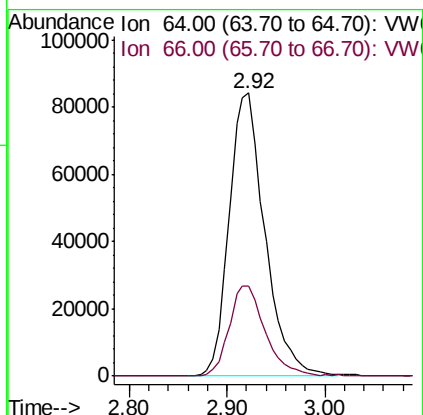
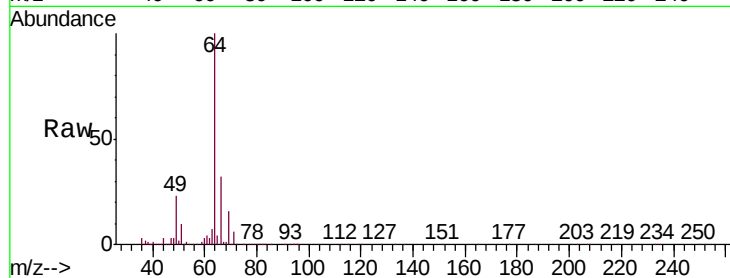
VSTD02527

Tgt Ion: 64 Resp: 212783

Ion Ratio Lower Upper

64 100

66 31.8 21.2 39.4



#9

Trichlorofluoromethane

Concen: 20.982 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014453.D

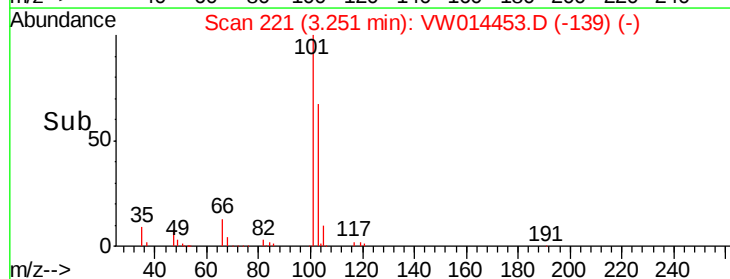
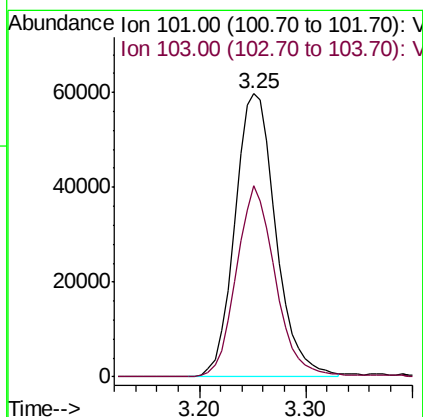
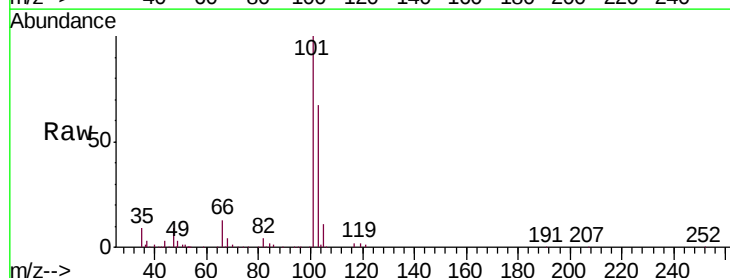
Acq: 19 Dec 2019 01:31

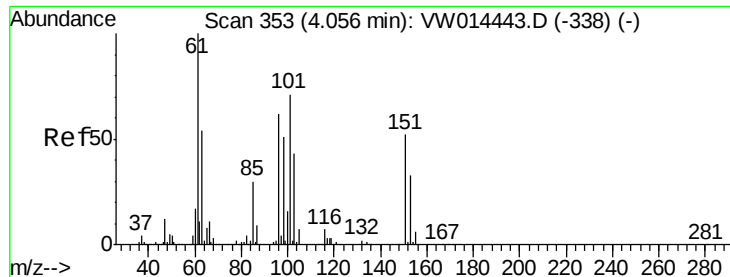
Tgt Ion: 101 Resp: 161064

Ion Ratio Lower Upper

101 100

103 64.1 45.4 84.2





#11

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

Concen: 23.332 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

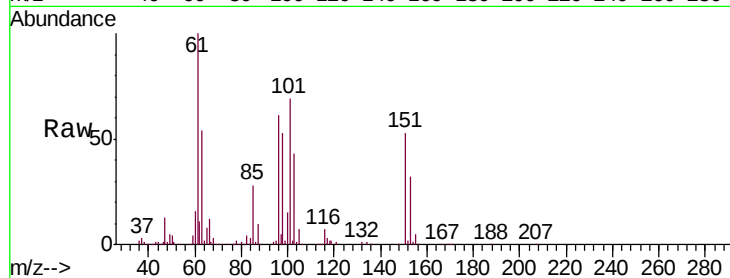
Tgt Ion: 101 Resp: 337083

Ion Ratio Lower Upper

101 100

85 41.6 31.4 47.2

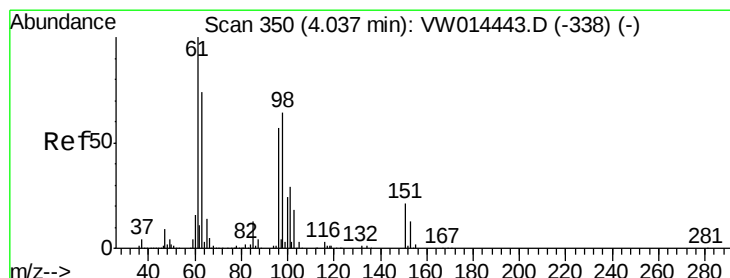
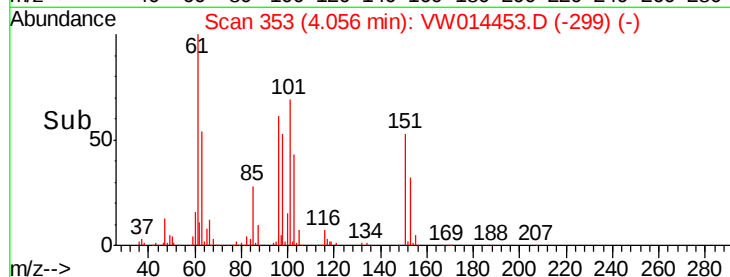
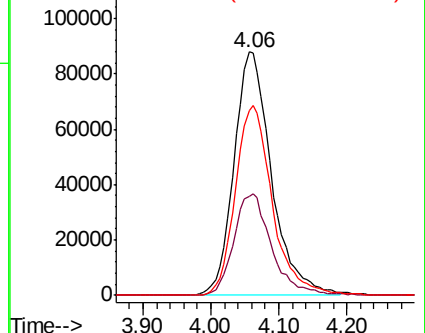
151 76.5 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.093 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

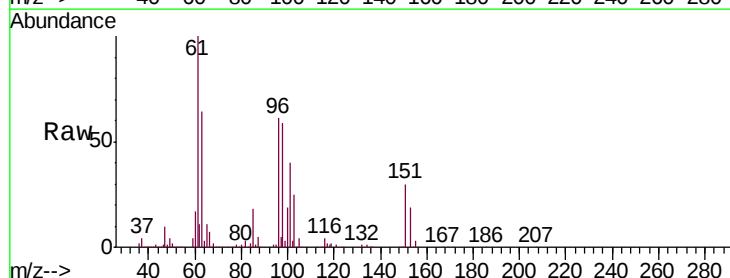
Tgt Ion: 96 Resp: 337764

Ion Ratio Lower Upper

96 100

61 163.8 109.8 204.0

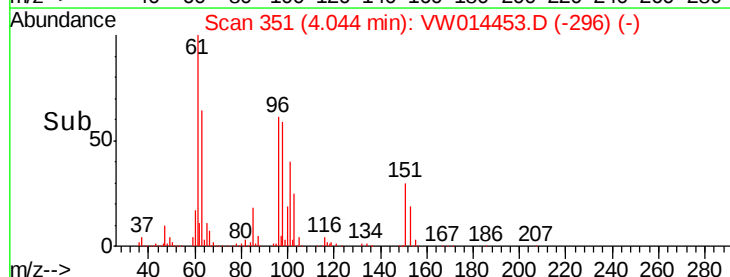
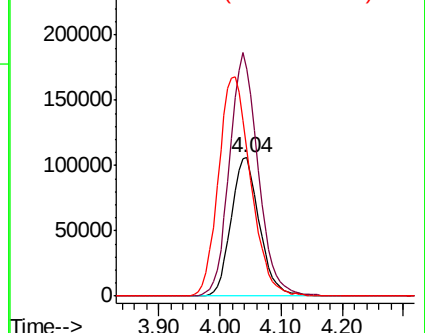
63 105.6 80.7 149.9

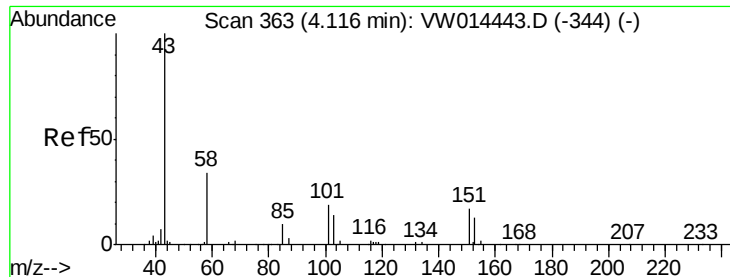


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.285 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

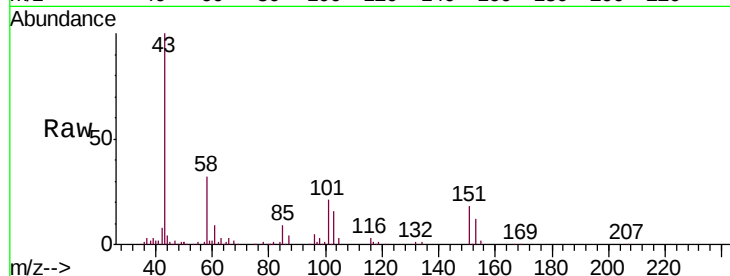
VSTD02527

Tgt Ion: 43 Resp: 147036

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

60000

50000

40000

30000

20000

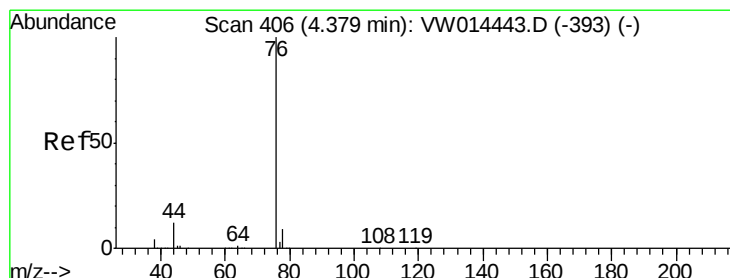
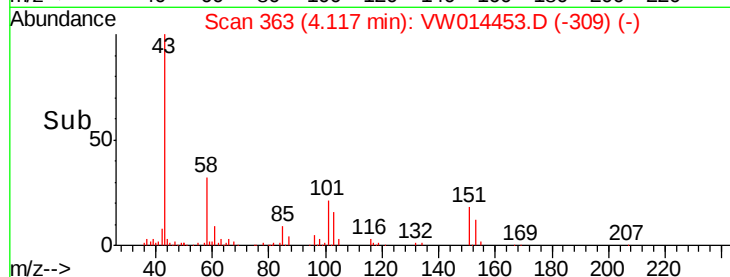
10000

0

4.12

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 21.594 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014453.D

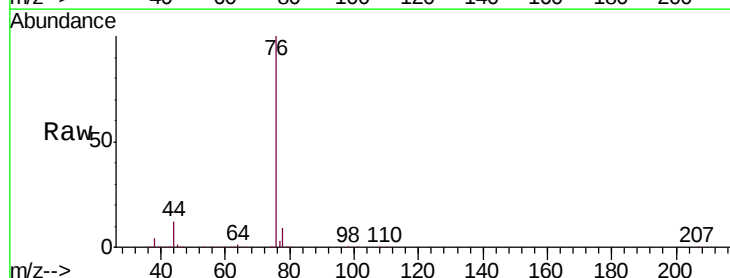
Acq: 19 Dec 2019 01:31

Tgt Ion: 76 Resp: 968695

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

300000

200000

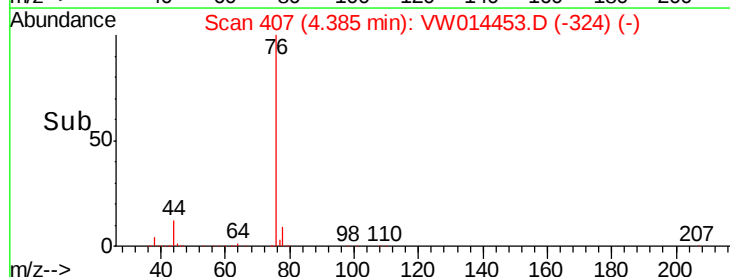
100000

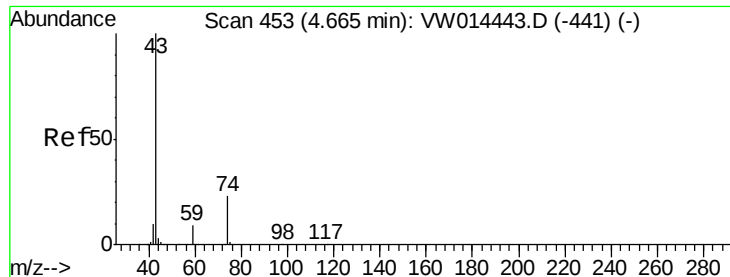
0

4.38

4.20 4.30 4.40 4.50

Time-->

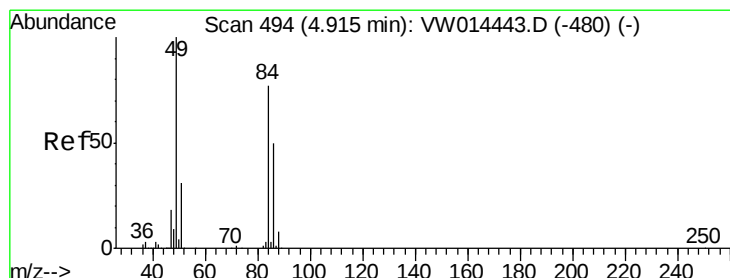
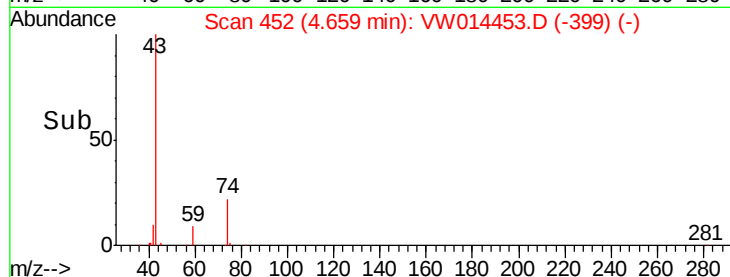
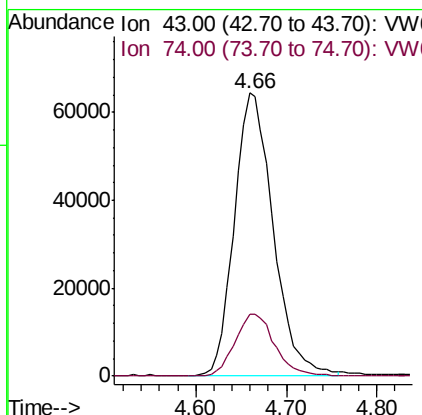
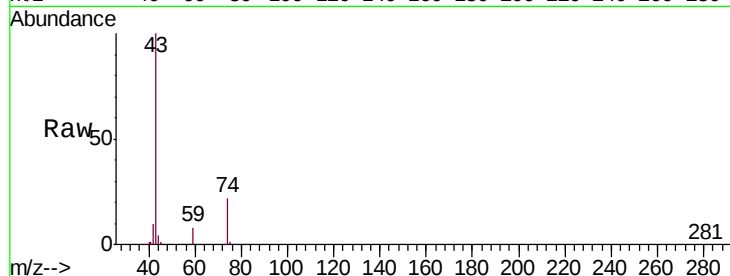




#15
Methyl Acetate
Concen: 24.215 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

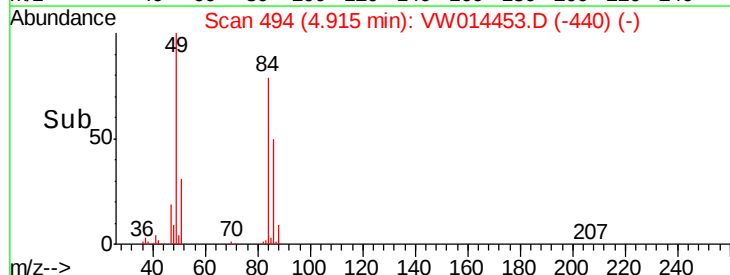
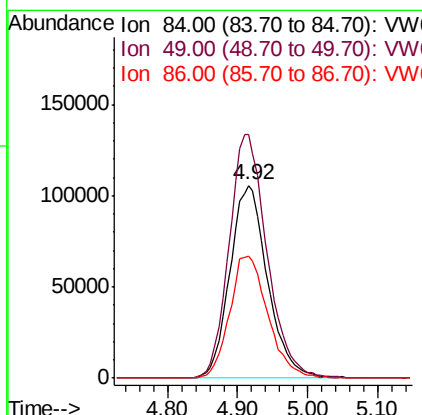
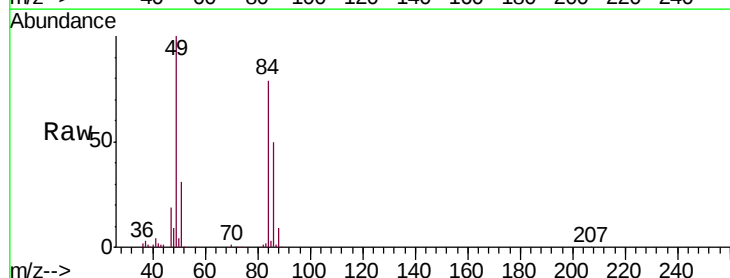
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

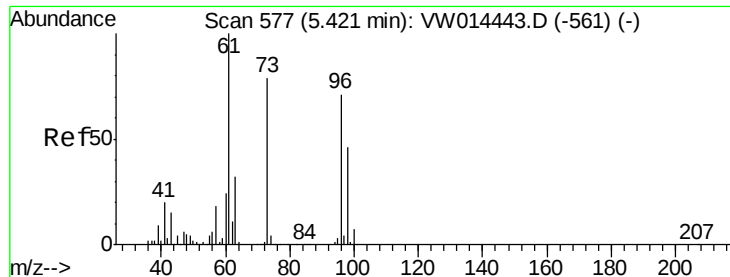
Tgt Ion: 43 Resp: 190867
Ion Ratio Lower Upper
43 100
74 22.2 19.3 28.9



#16
Methylene chloride
Concen: 23.485 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Tgt Ion: 84 Resp: 394331
Ion Ratio Lower Upper
84 100
49 126.2 84.2 156.4
86 63.4 43.7 81.1

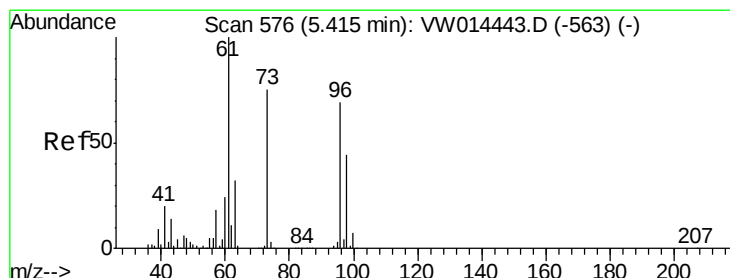
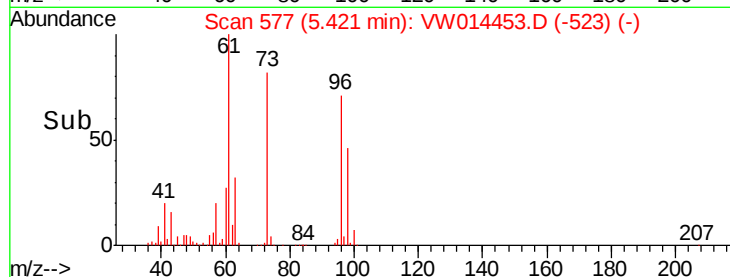
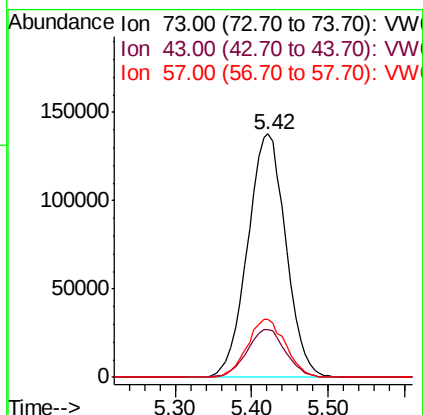
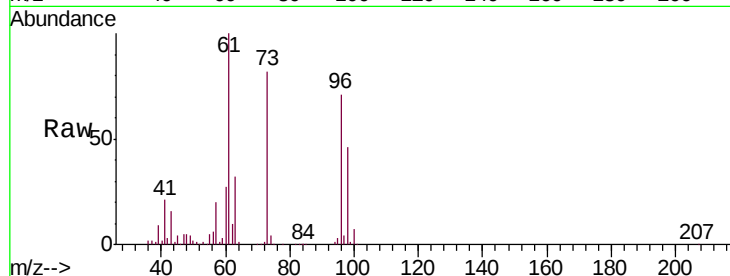




#17
Methyl tert-butyl Ether
Concen: 24.888 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

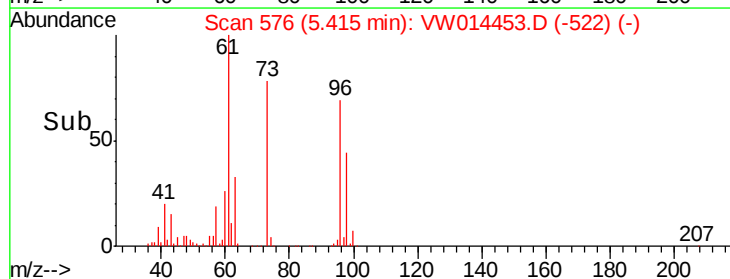
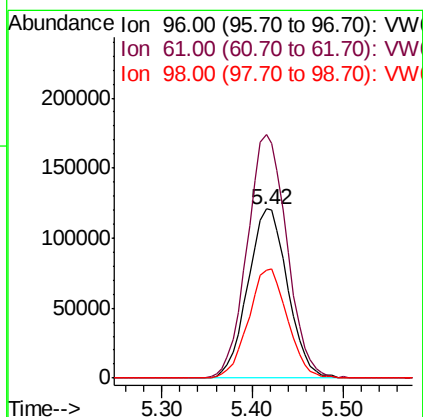
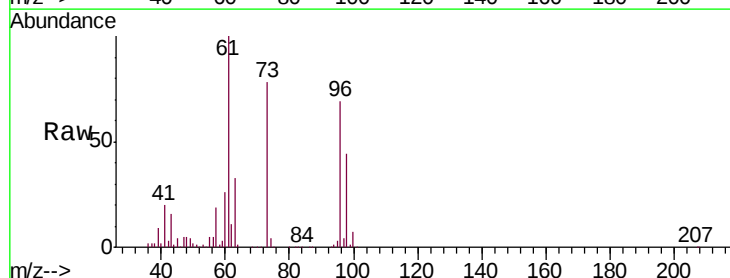
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

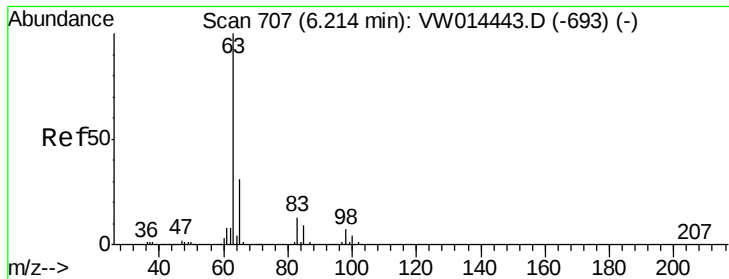
Tgt Ion: 73 Resp: 480051
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 23.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.357 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Tgt Ion: 96 Resp: 365848
Ion Ratio Lower Upper
96 100
61 144.2 90.6 168.2
98 63.7 42.9 79.7

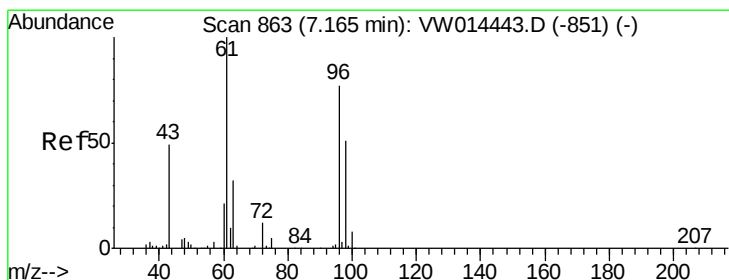
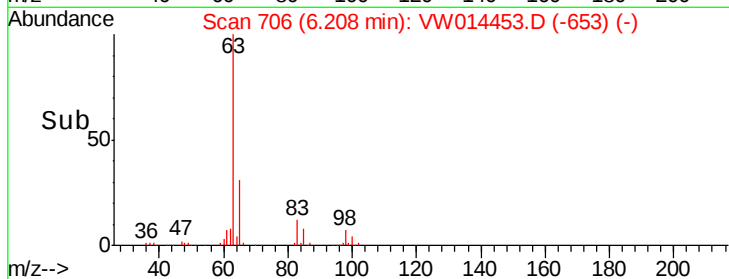
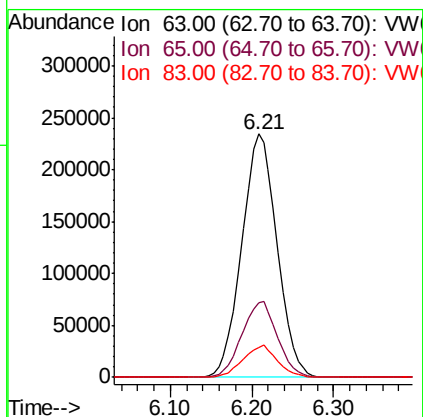
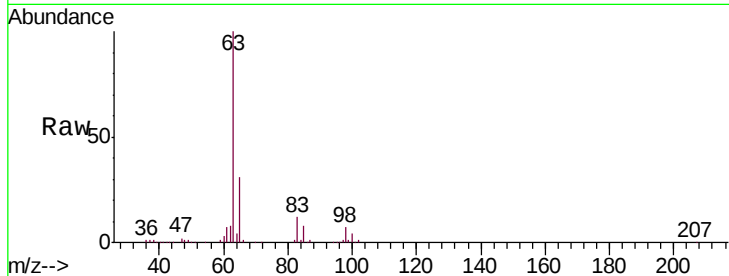




#19
 1,1-Dichloroethane
 Concen: 25.057 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

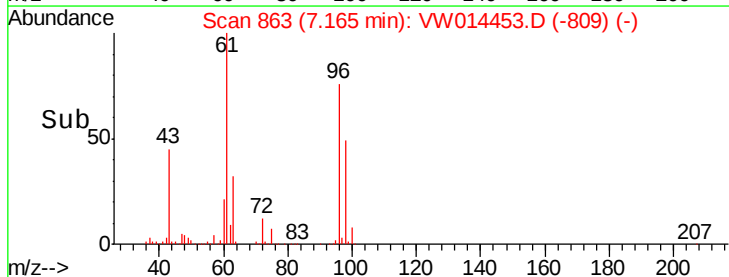
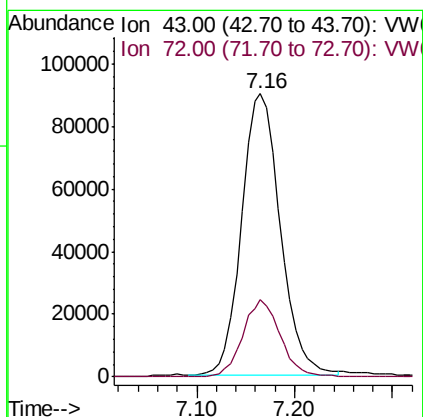
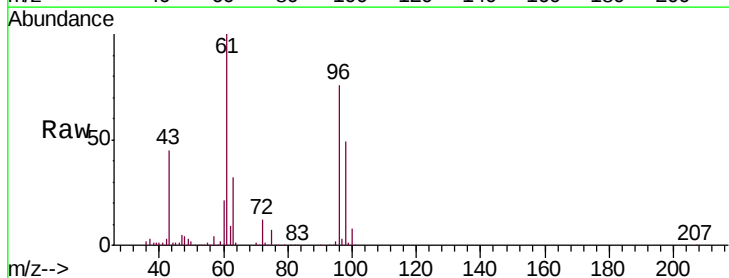
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

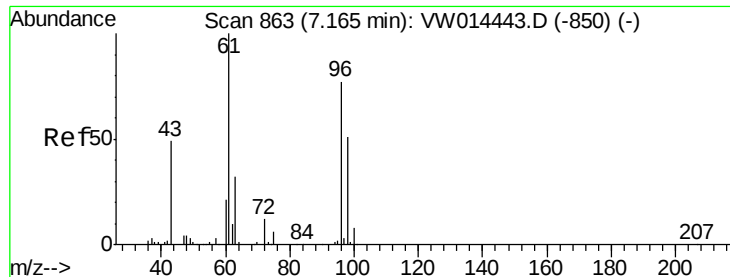
Tgt Ion: 63 Resp: 705160
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.1 41.1
 83 12.4 9.0 16.6



#21
 2-Butanone
 Concen: 44.321 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion: 43 Resp: 247959
 Ion Ratio Lower Upper
 43 100
 72 26.7 14.1 42.2



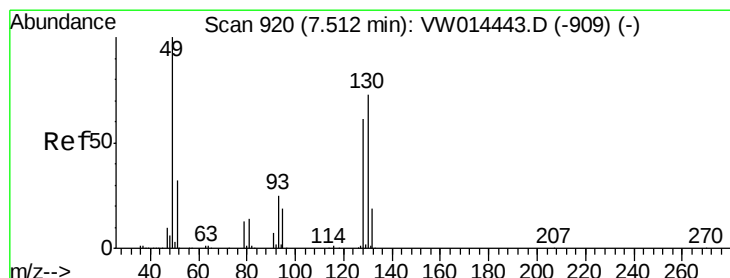
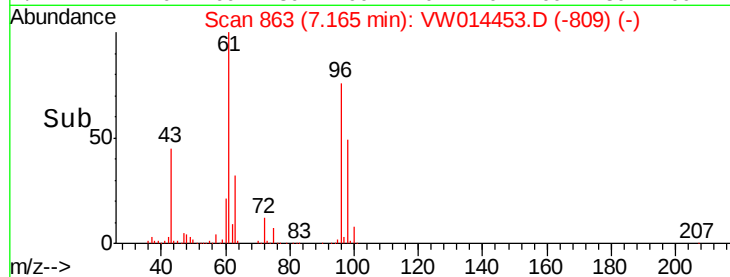
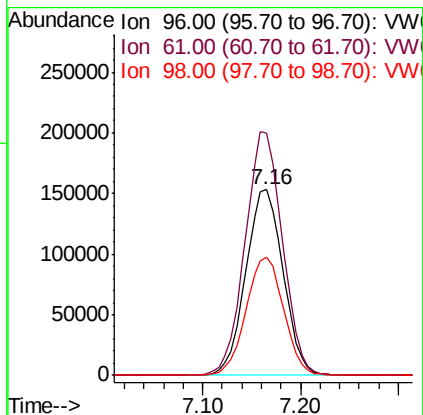
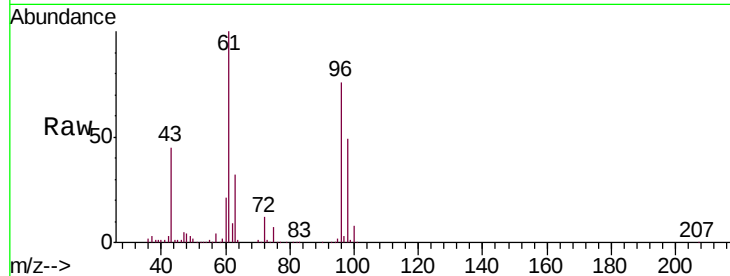


#22

cis-1,2-Dichloroethene
Concen: 24.406 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

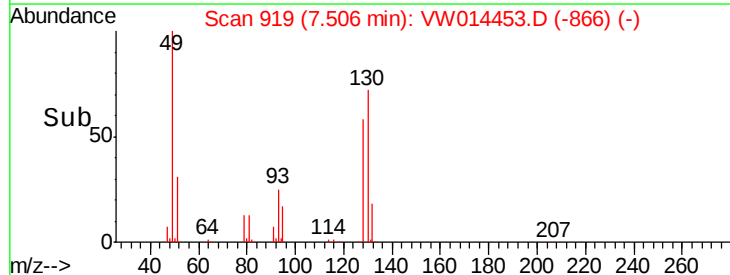
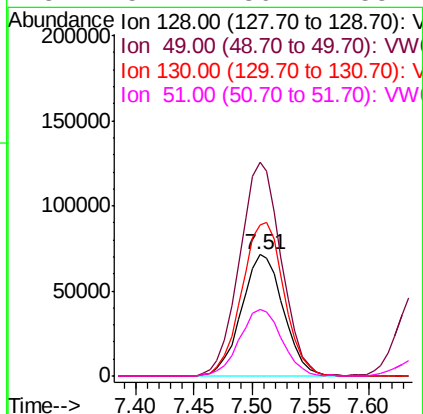
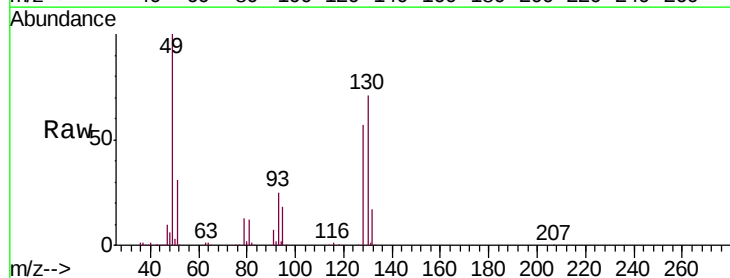
Tgt Ion: 96 Resp: 406766
Ion Ratio Lower Upper
96 100
61 130.7 86.9 161.5
98 63.8 45.5 84.5

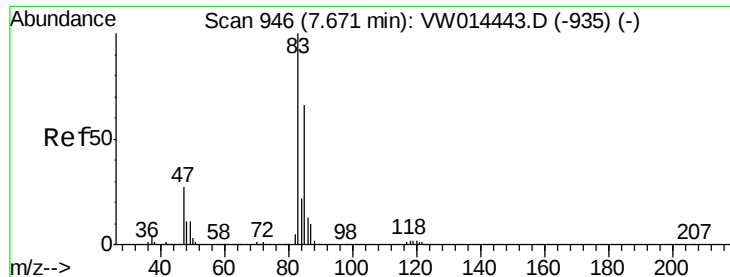


#23

Bromochloromethane
Concen: 23.324 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Tgt Ion: 128 Resp: 178816
Ion Ratio Lower Upper
128 100
49 175.8 95.1 176.5
130 124.0 85.0 158.0
51 54.7 36.7 55.1





#25

Chloroform

Concen: 25.161 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

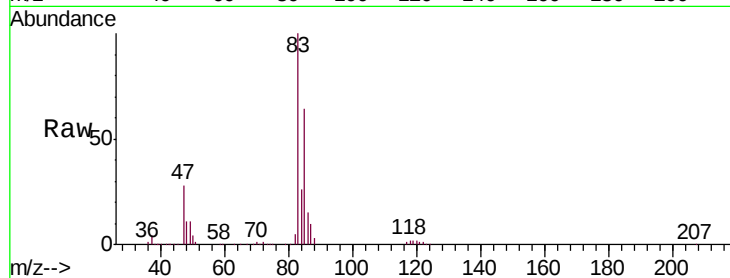
VSTD02527

Tgt Ion: 83 Resp: 688069

Ion Ratio Lower Upper

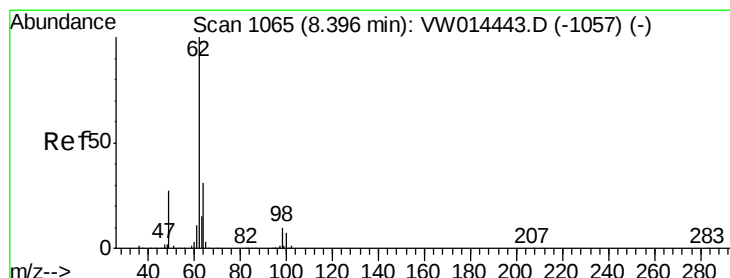
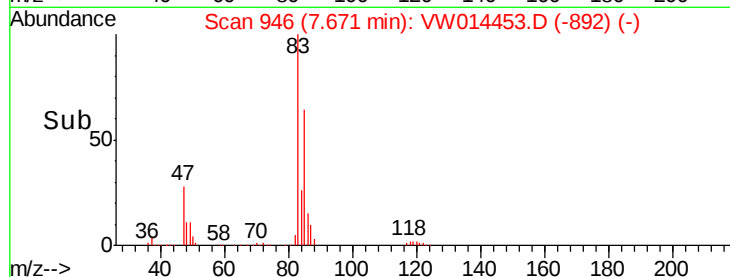
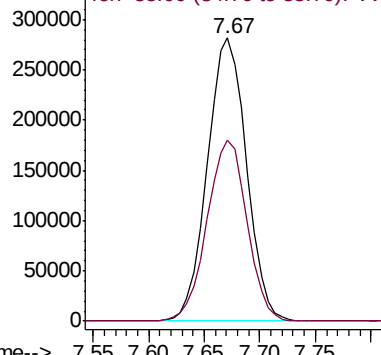
83 100

85 65.3 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 24.995 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014453.D

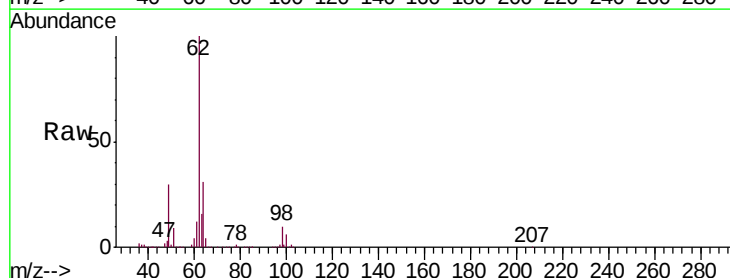
Acq: 19 Dec 2019 01:31

Tgt Ion: 62 Resp: 447597

Ion Ratio Lower Upper

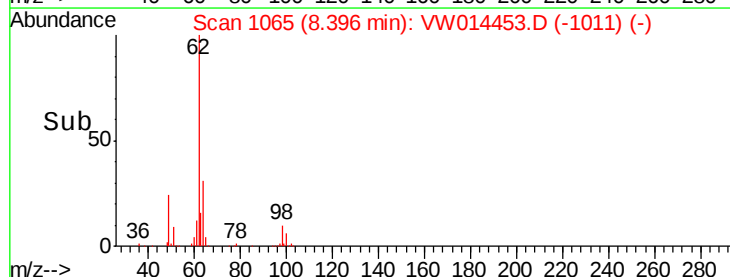
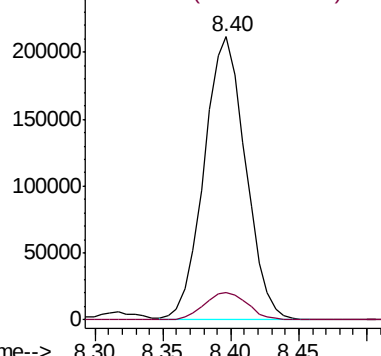
62 100

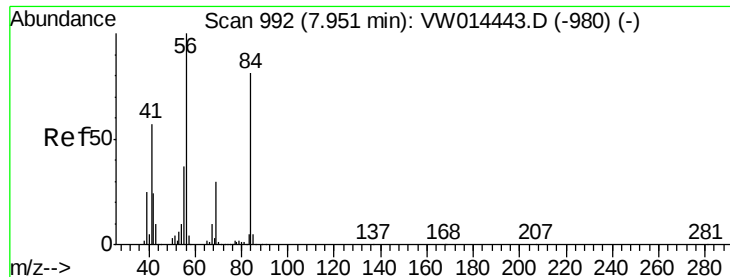
98 9.8 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

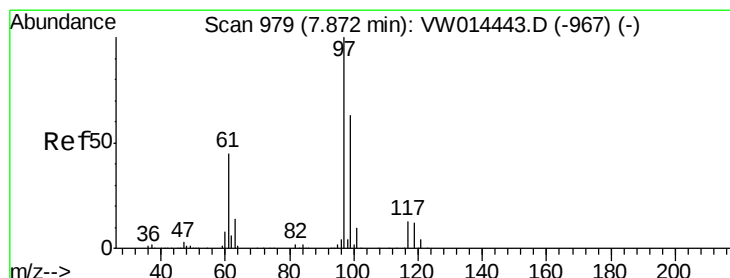
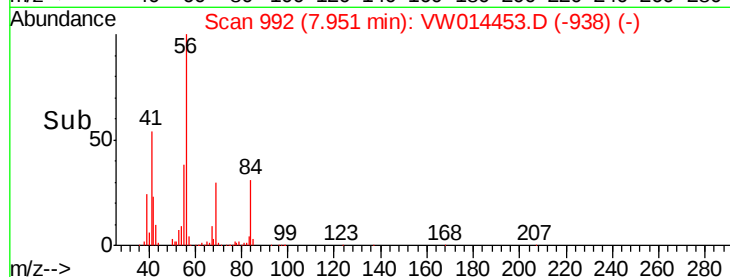
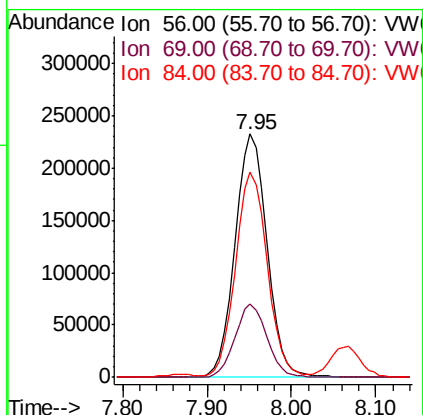
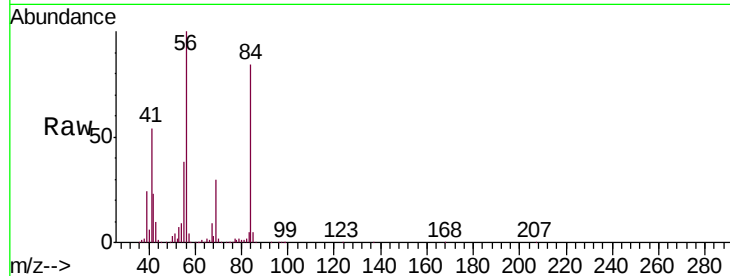




#30
Cyclohexane
Concen: 23.982 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

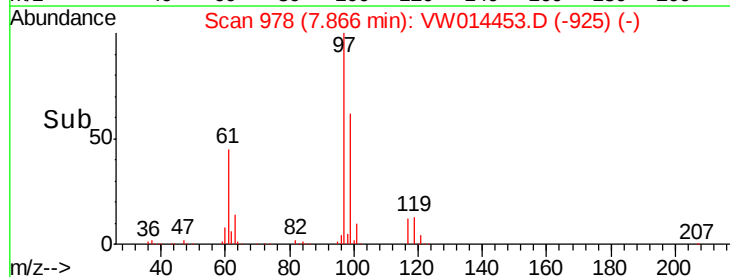
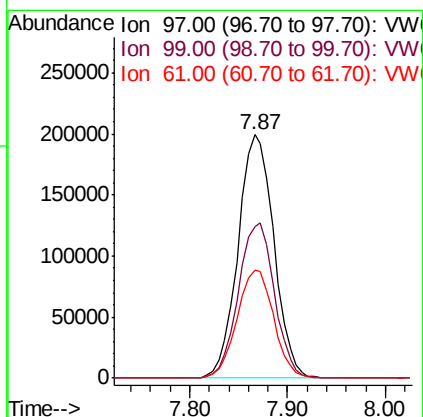
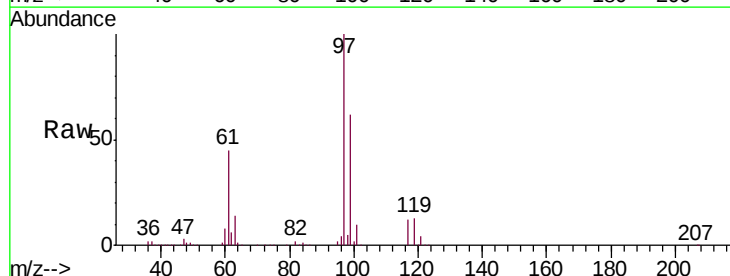
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

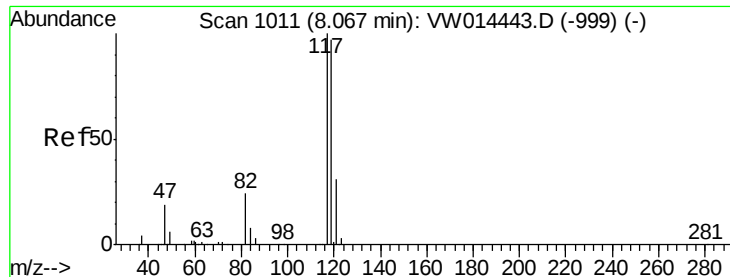
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.6	37.0
84	83.6	70.2	105.2



#31
1,1,1-Trichloroethane
Concen: 25.218 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	45.2	32.8	49.2





#32

Carbon tetrachloride

Concen: 24.418 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

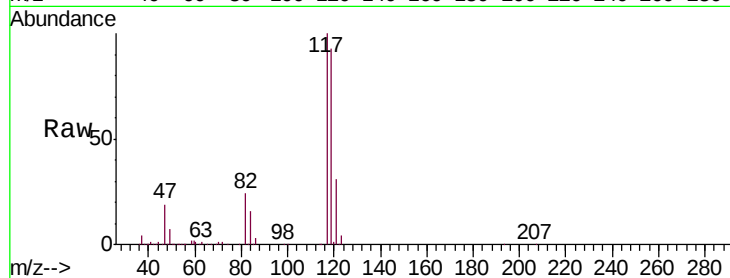
VSTD02527

Tgt Ion:117 Resp: 465100

Ion Ratio Lower Upper

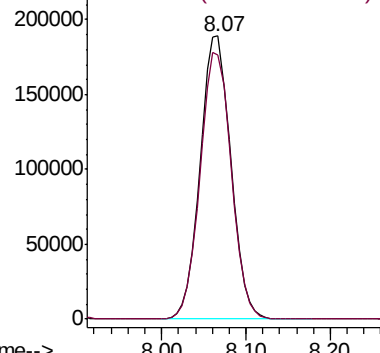
117 100

119 95.7 76.7 115.1

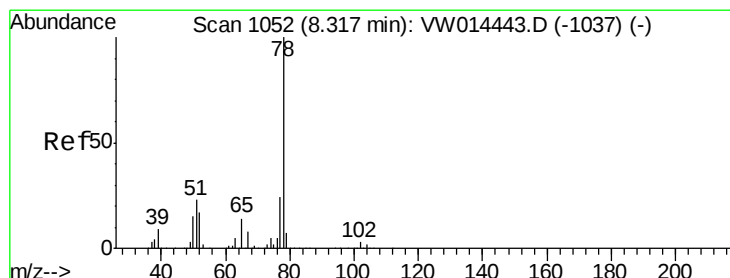
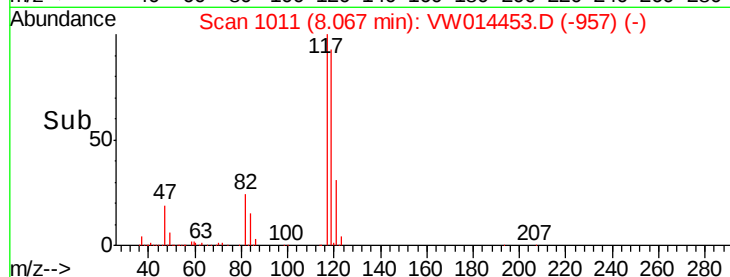


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.945 ug/L

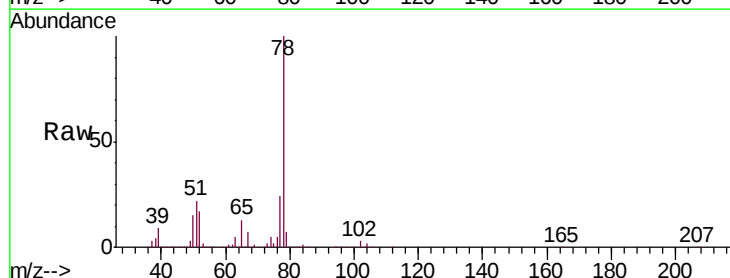
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

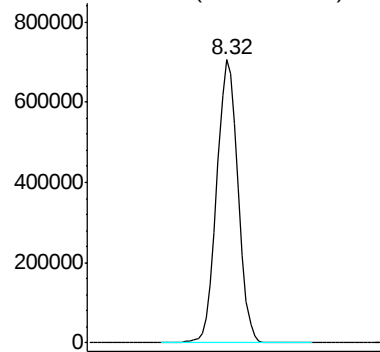
Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

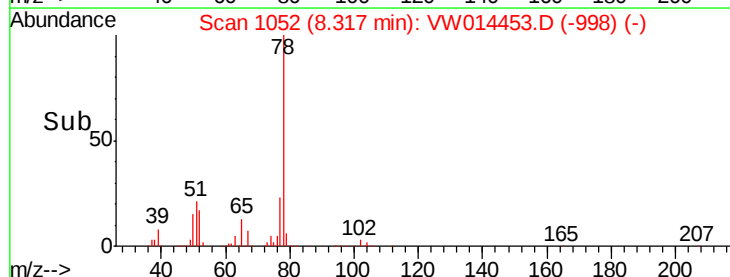
Tgt Ion: 78 Resp: 1578782

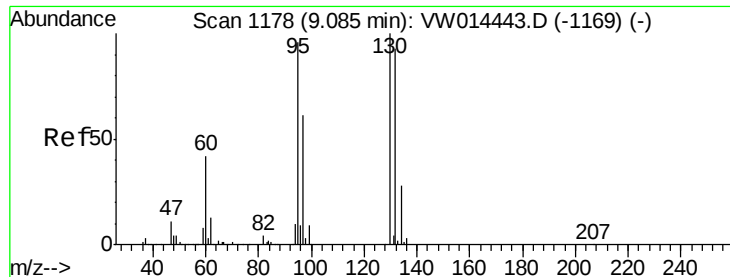


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

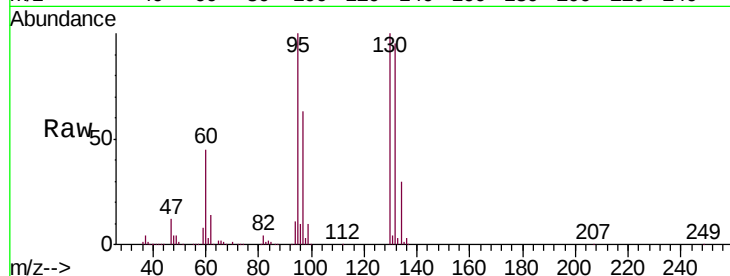




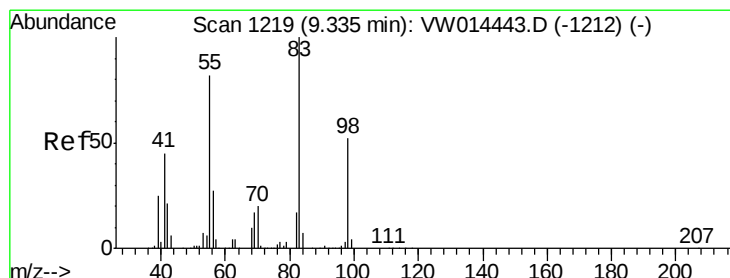
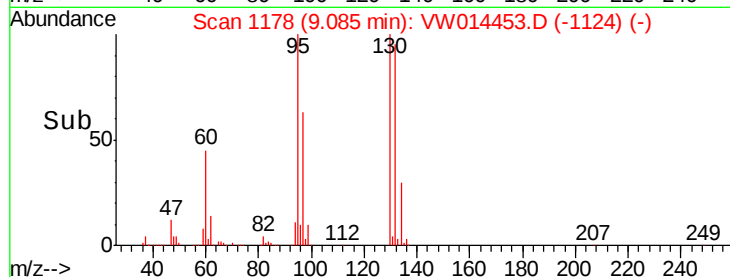
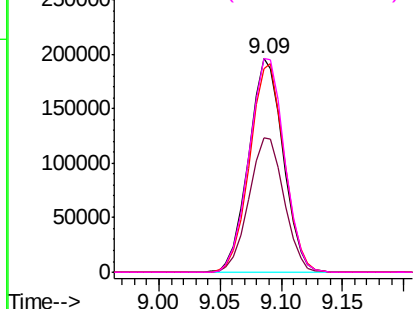
#35
 Trichloroethene
 Concen: 23.821 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tgt Ion:	95	Resp:	385755
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.1	83.9
132	97.7	73.7	136.9
130	102.5	76.6	142.2

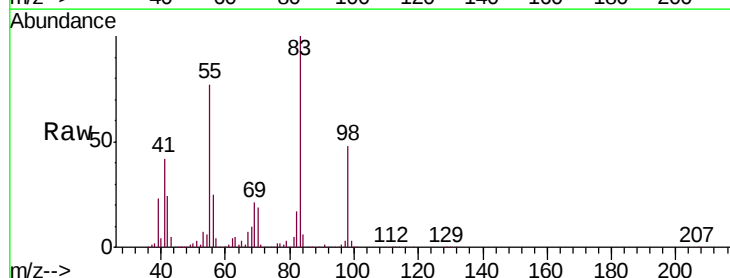


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

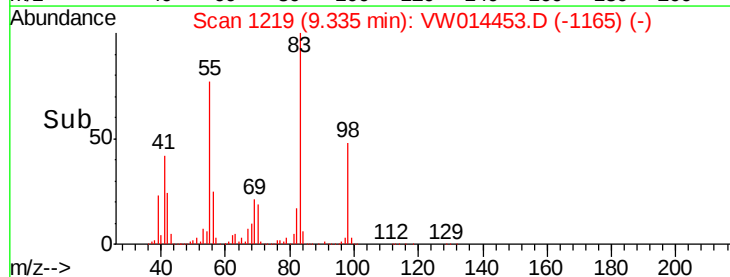
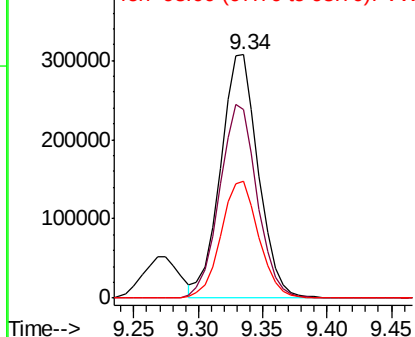


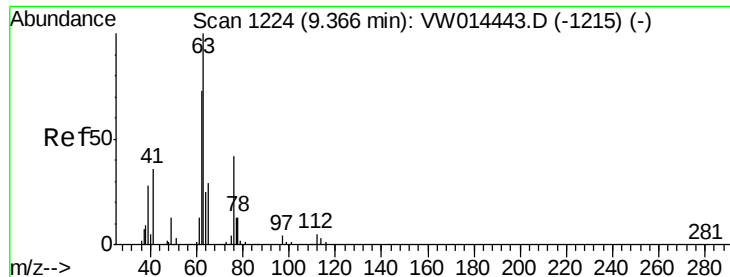
#36
 Methylcyclohexane
 Concen: 23.108 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion:	83	Resp:	628807
Ion	Ratio	Lower	Upper
83	100		
55	79.3	59.8	89.8
98	48.2	39.5	59.3



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

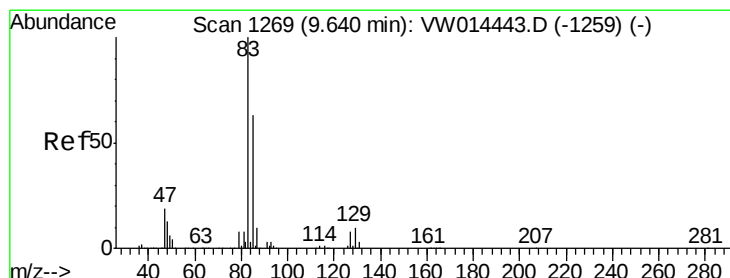
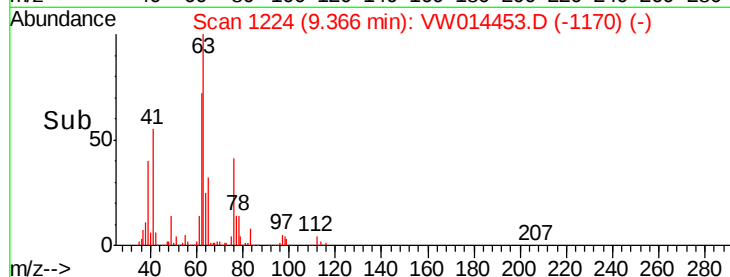
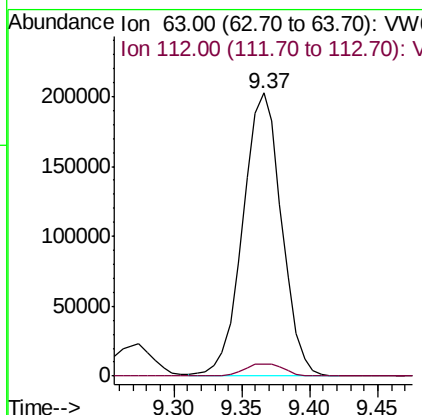
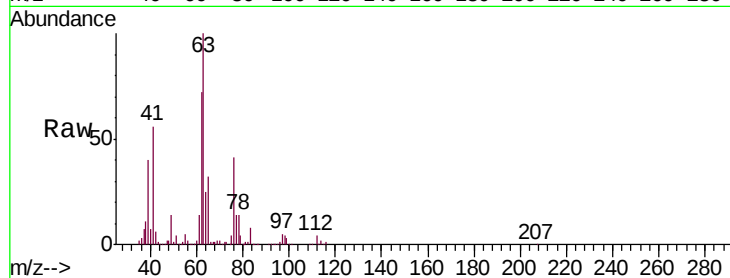




#40
 1,2-Dichloropropane
 Concen: 24.845 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

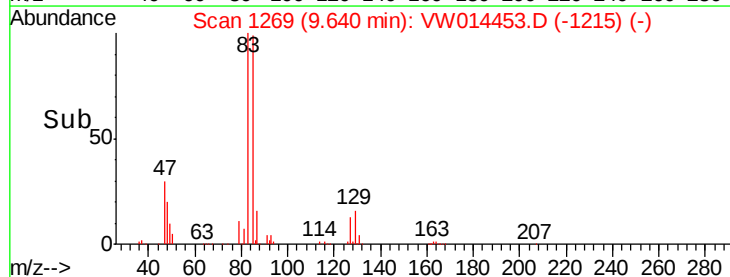
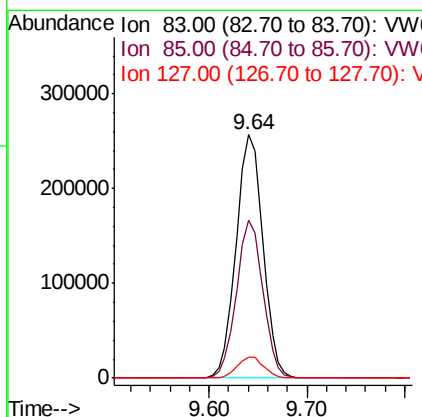
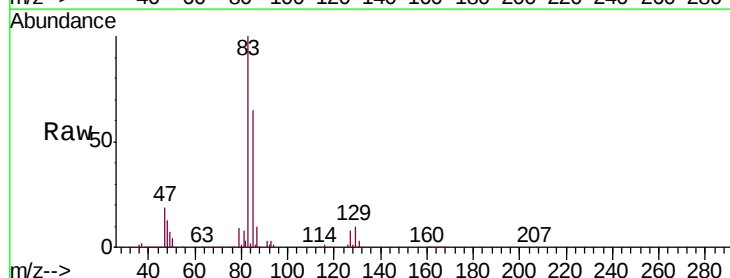
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

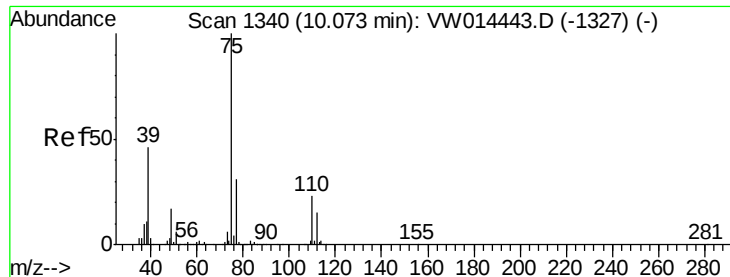
Tgt Ion: 63 Resp: 403976
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#41
 Bromodichloromethane
 Concen: 24.866 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion: 83 Resp: 491368
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.1 83.7
 127 8.4 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.125 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

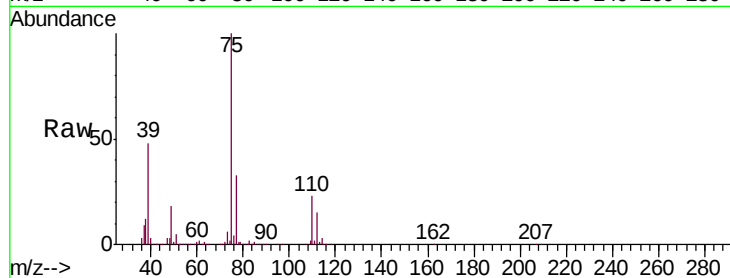
VSTD02527

Tgt Ion: 75 Resp: 587452

Ion Ratio Lower Upper

75 100

77 33.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

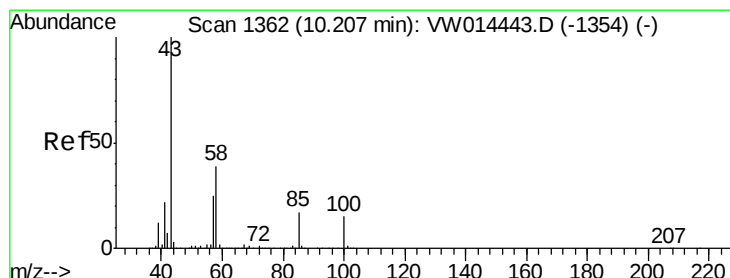
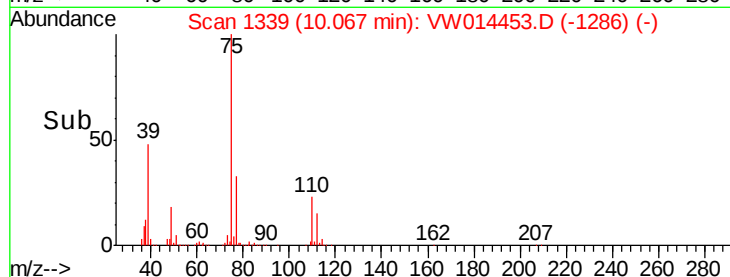
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.672 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

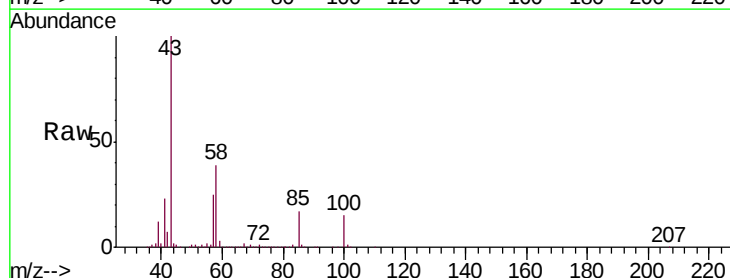
Tgt Ion: 43 Resp: 543311

Ion Ratio Lower Upper

43 100

58 39.2 32.6 49.0

100 14.8 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

600000

500000

400000

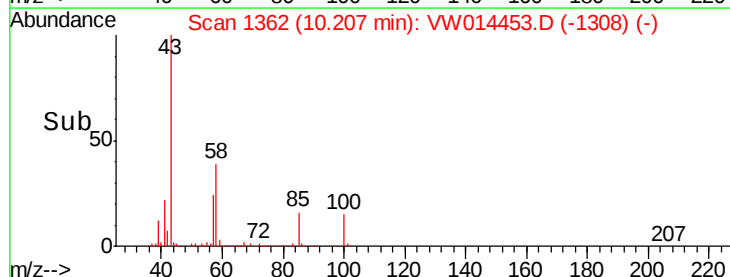
300000

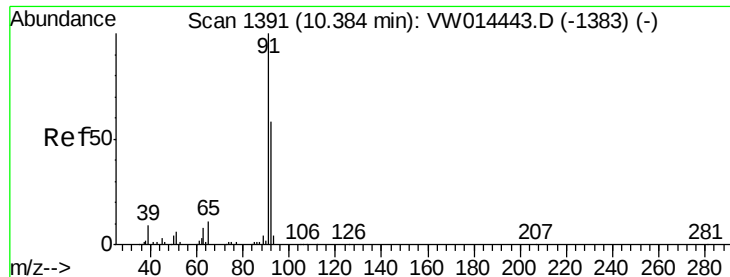
200000

100000

0

Time-->





#44

Toluene

Concen: 24.973 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampled :

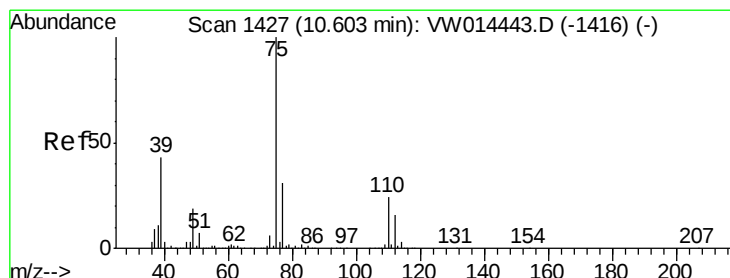
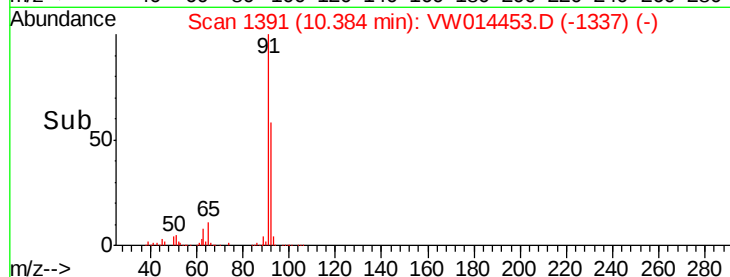
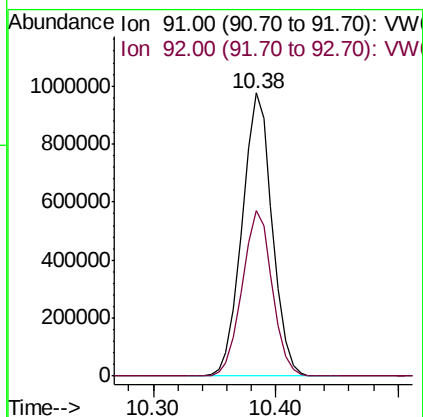
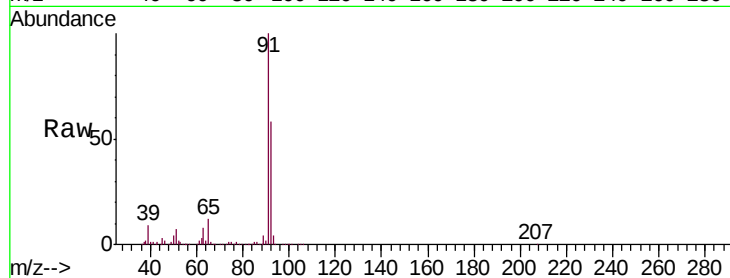
VSTD02527

Tgt Ion: 91 Resp: 1657064

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 24.019 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014453.D

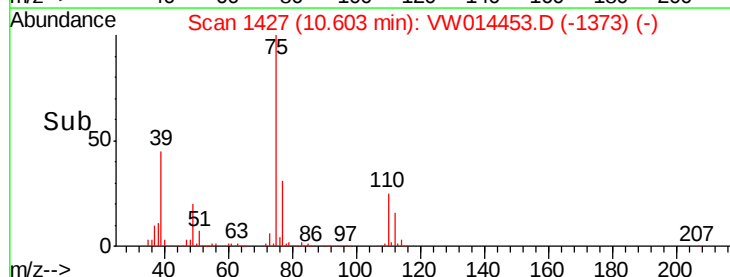
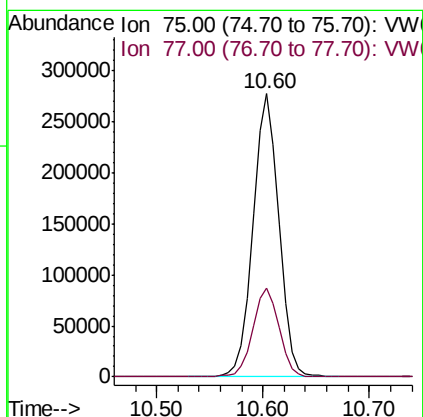
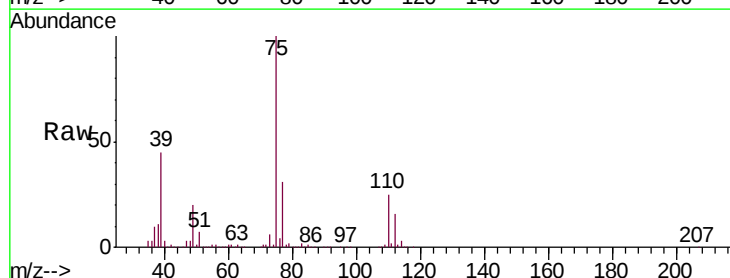
Acq: 19 Dec 2019 01:31

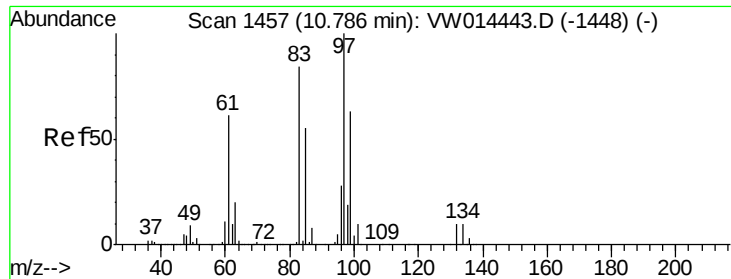
Tgt Ion: 75 Resp: 473440

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 23.996 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 97 Resp: 292381

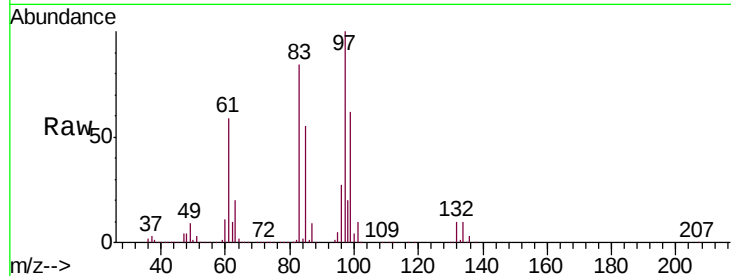
Ion Ratio Lower Upper

97 100

83 83.6 58.9 109.5

85 54.7 38.1 70.9

99 62.3 46.5 86.3



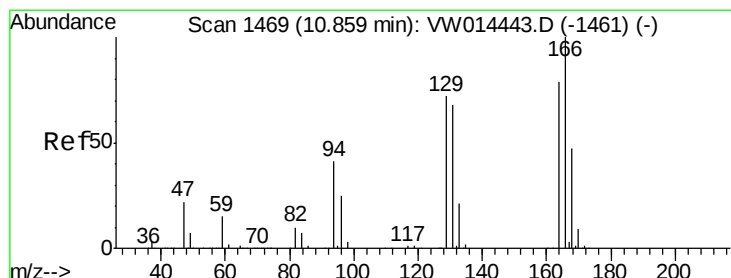
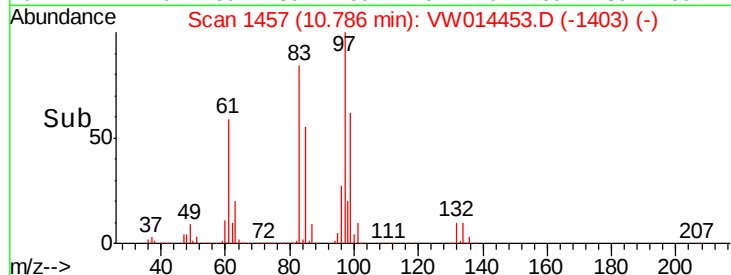
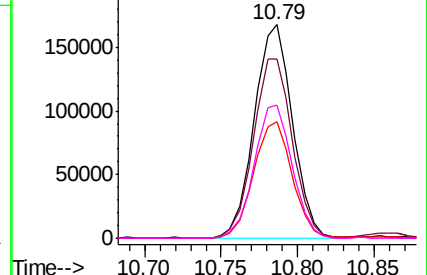
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.985 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Tgt Ion: 164 Resp: 310238

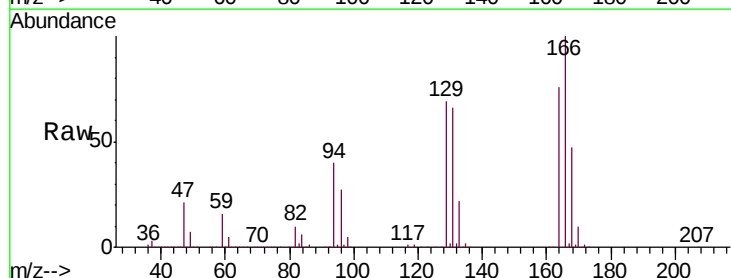
Ion Ratio Lower Upper

164 100

129 91.0 60.6 112.6

131 88.0 59.1 109.7

166 132.4 90.8 168.6



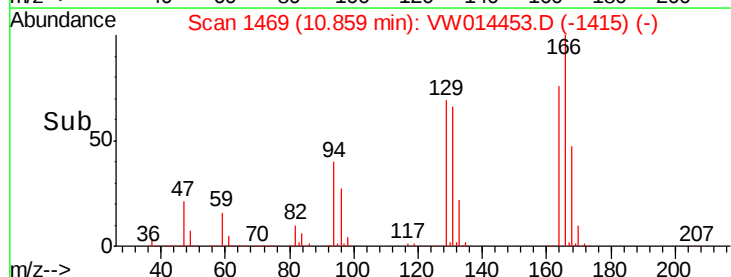
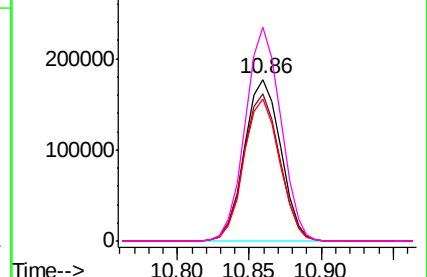
Abundance

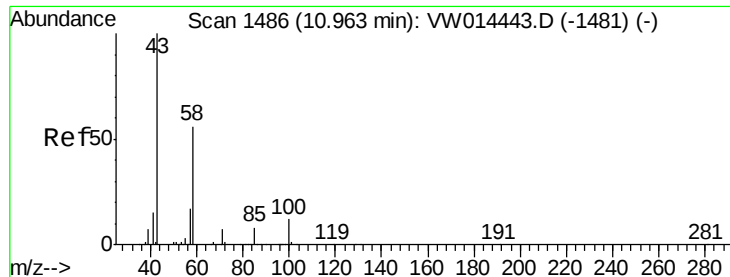
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 49.484 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

Tgt Ion: 43 Resp: 377739

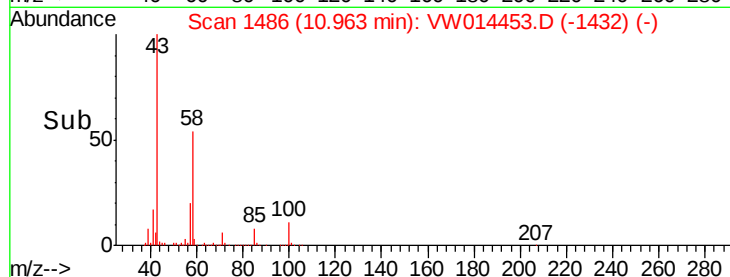
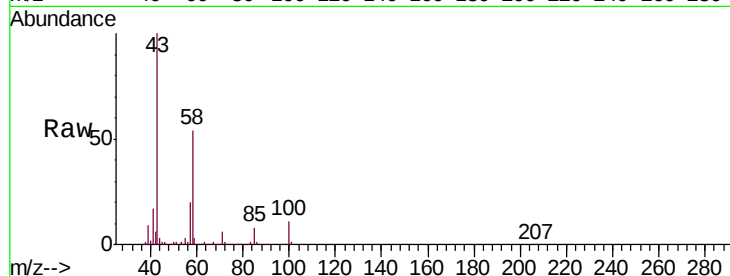
Ion Ratio Lower Upper

43 100

58 53.5 44.4 66.6

57 19.0 16.5 24.7

100 11.7 11.1 16.7

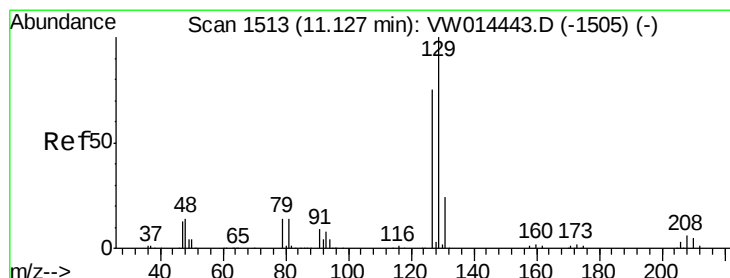
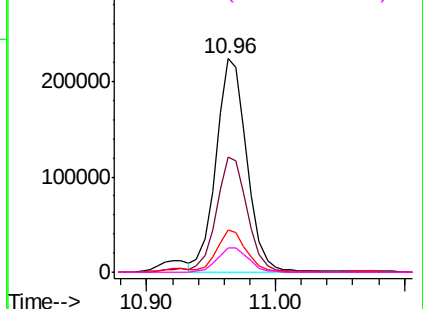


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.002 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014453.D

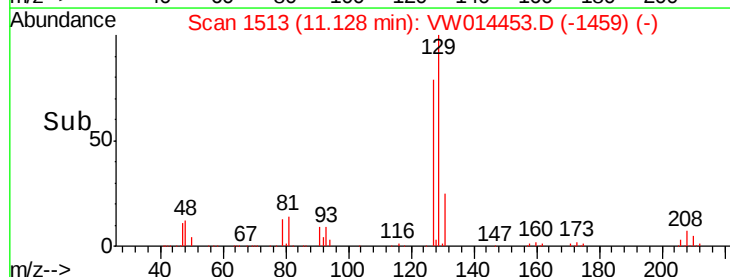
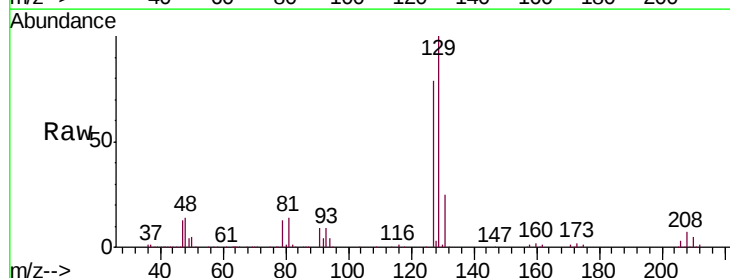
Acq: 19 Dec 2019 01:31

Tgt Ion: 129 Resp: 328230

Ion Ratio Lower Upper

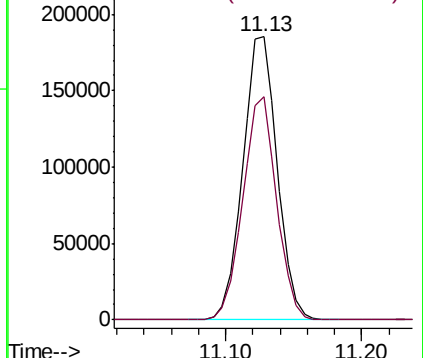
129 100

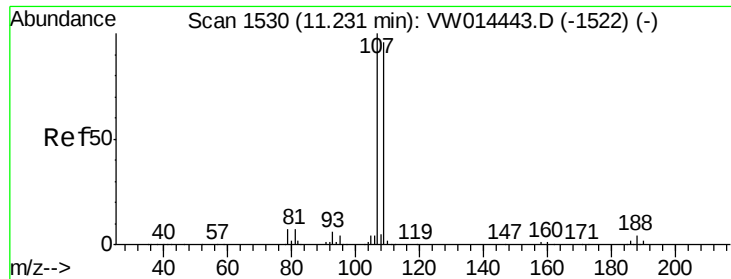
127 78.7 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

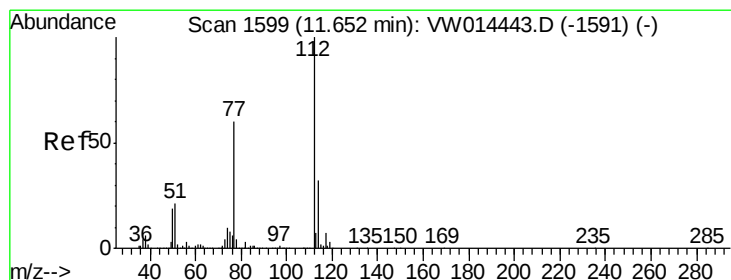
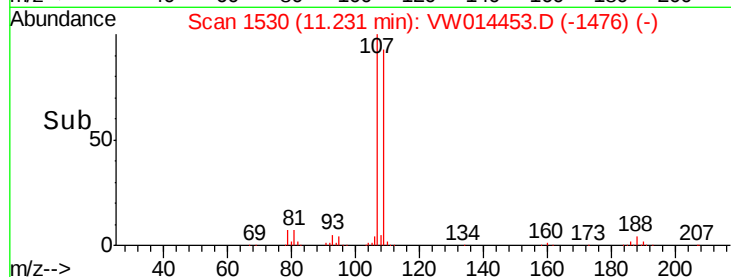
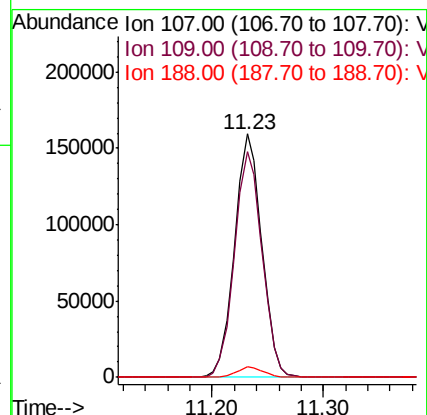
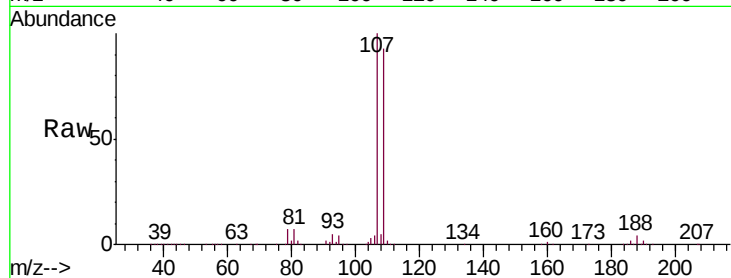




#51
1,2-Dibromoethane
Concen: 23.453 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

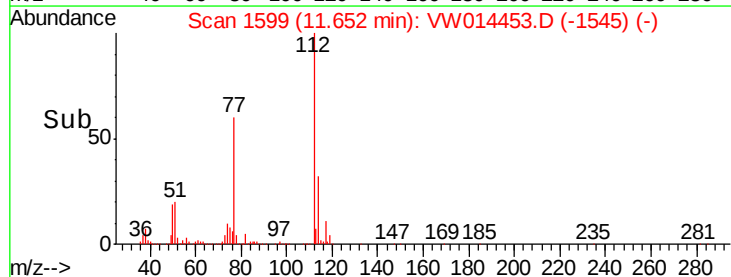
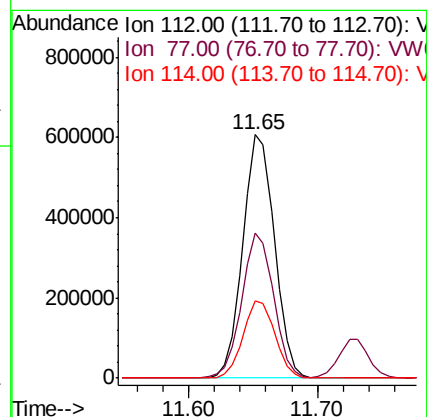
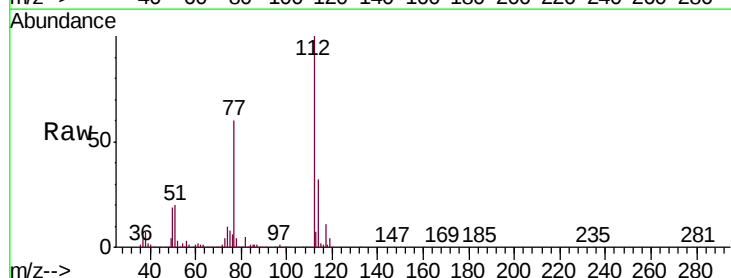
Instrument :
MSVOA_W
ClientSampleId :
VSTD02527

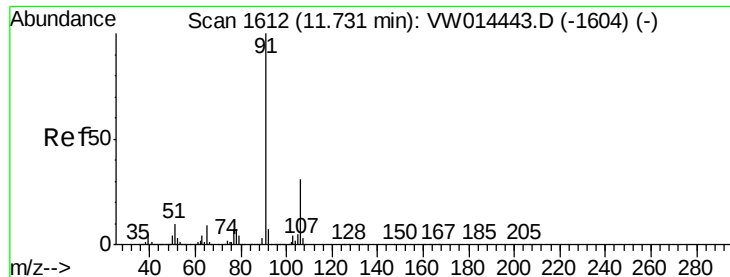
Tgt Ion:107 Resp: 270672
Ion Ratio Lower Upper
107 100
109 92.6 64.6 120.0
188 4.4 3.9 5.9



#52
Chlorobenzene
Concen: 24.063 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014453.D
Acq: 19 Dec 2019 01:31

Tgt Ion:112 Resp: 1031938
Ion Ratio Lower Upper
112 100
77 59.8 42.2 63.4
114 31.6 22.5 41.9





#53

Ethylbenzene

Concen: 25.073 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

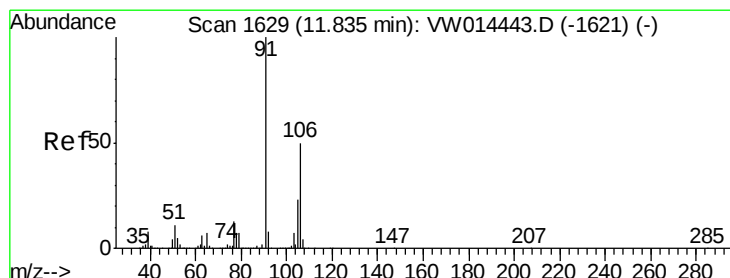
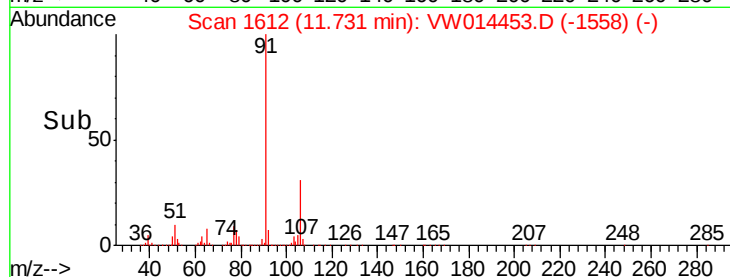
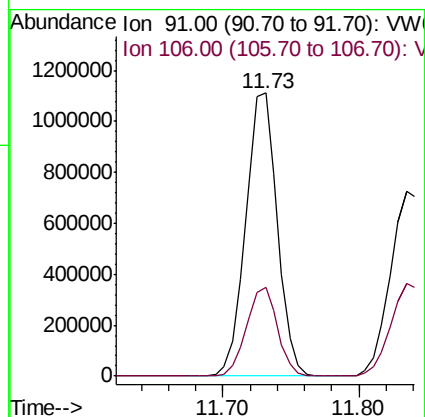
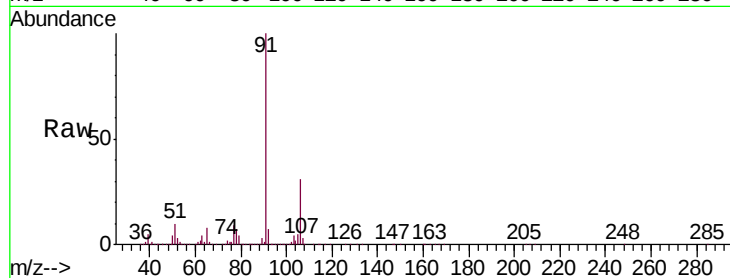
VSTD02527

Tgt Ion: 91 Resp: 1805255

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.5



#54

m,p-Xylene

Concen: 24.779 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014453.D

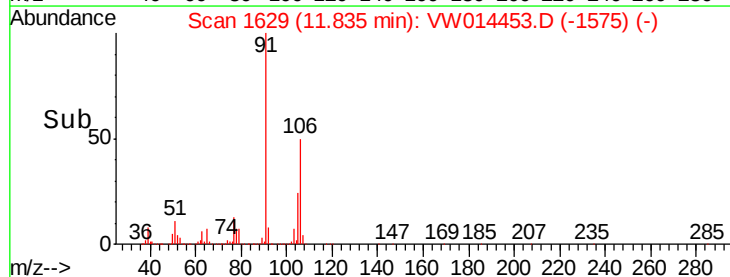
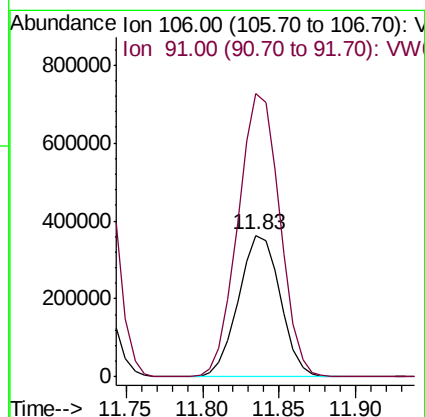
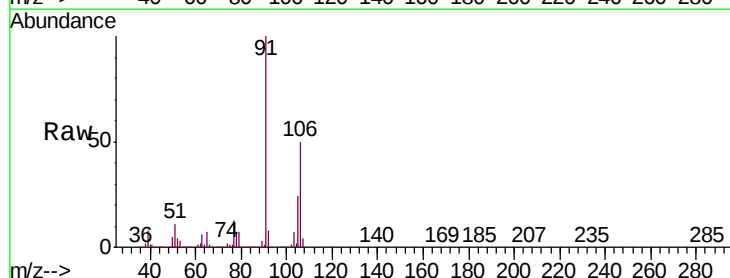
Acq: 19 Dec 2019 01:31

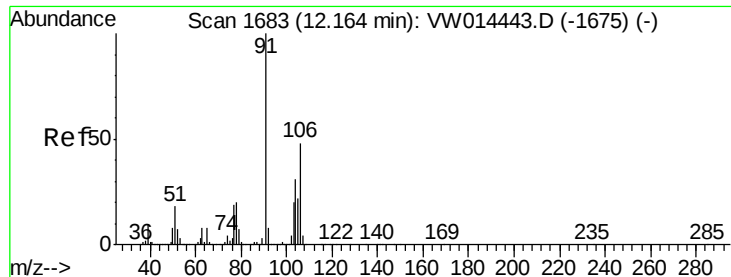
Tgt Ion: 106 Resp: 686277

Ion Ratio Lower Upper

106 100

91 199.8 138.7 257.5





#55

o-xylene

Concen: 24.990 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

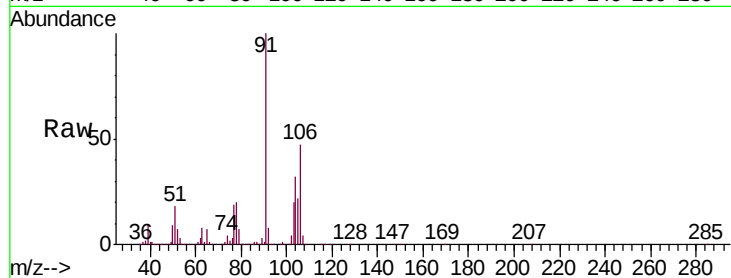
VSTD02527

Tgt Ion:106 Resp: 656487

Ion Ratio Lower Upper

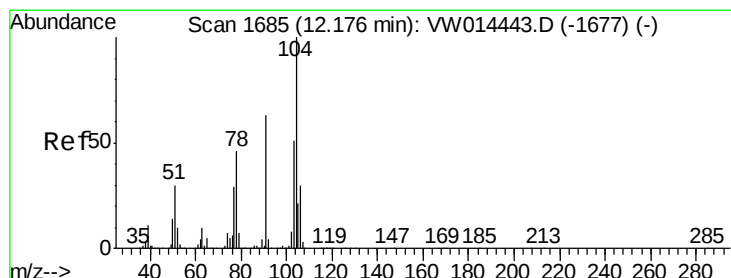
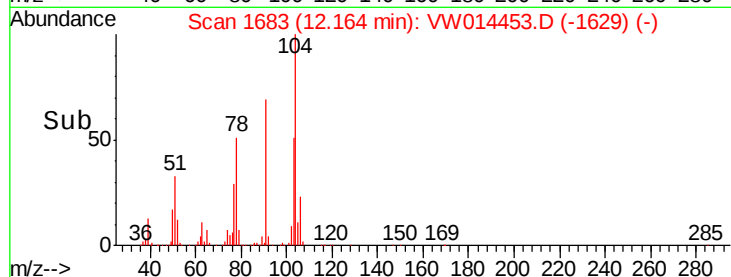
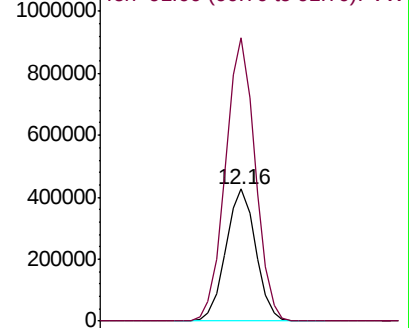
106 100

91 214.2 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.404 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014453.D

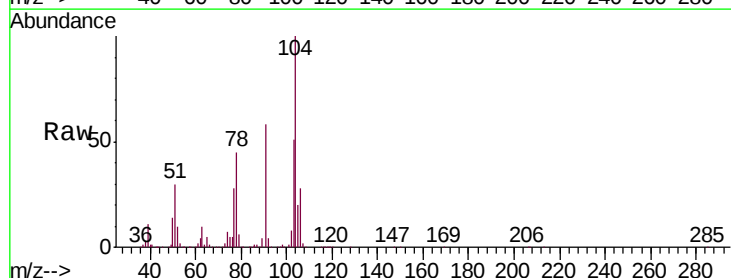
Acq: 19 Dec 2019 01:31

Tgt Ion:104 Resp: 1141679

Ion Ratio Lower Upper

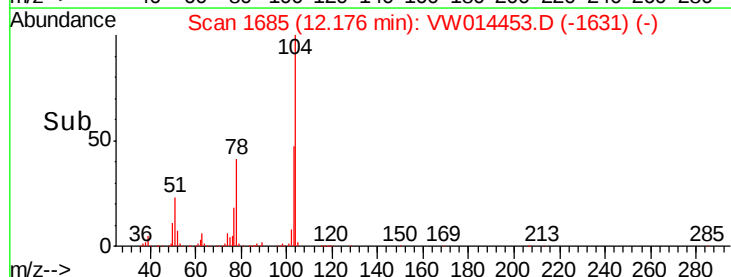
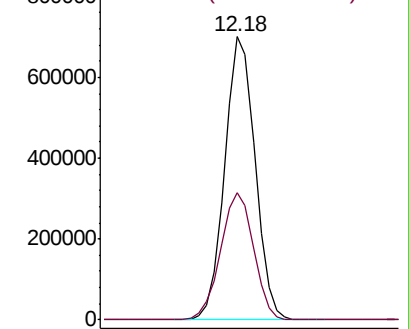
104 100

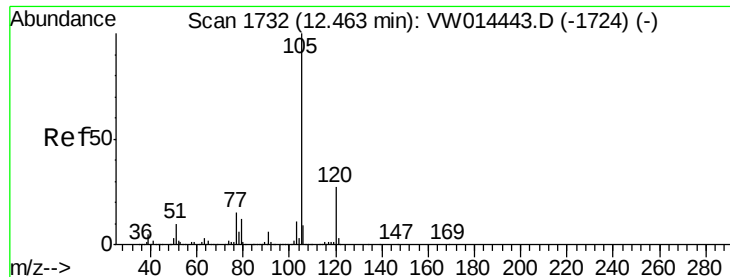
78 45.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.110 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

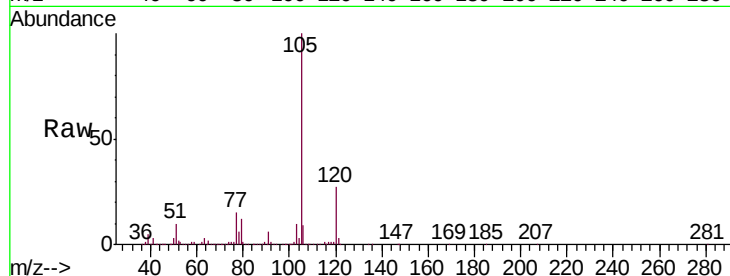
Tgt Ion:105 Resp: 1712519

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

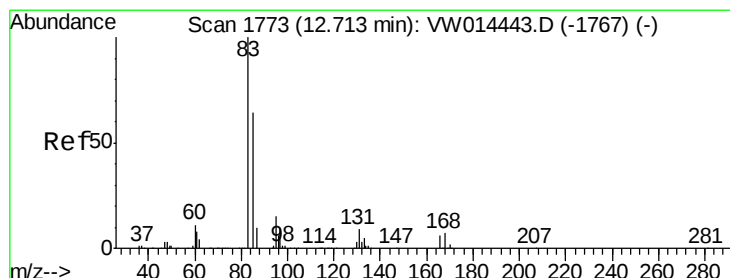
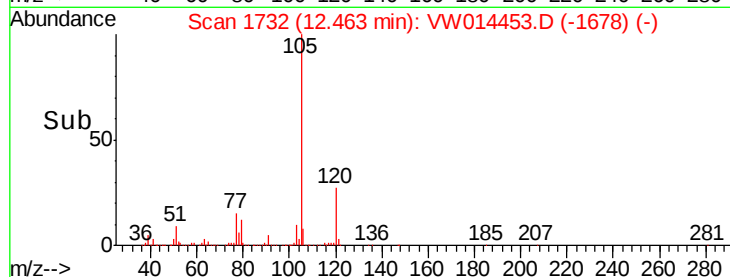
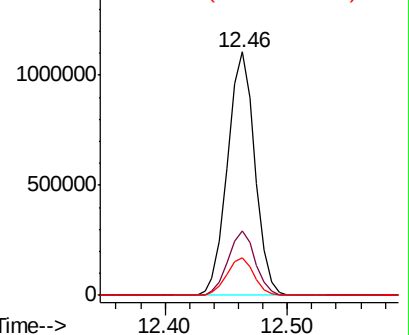
77 15.5 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.513 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

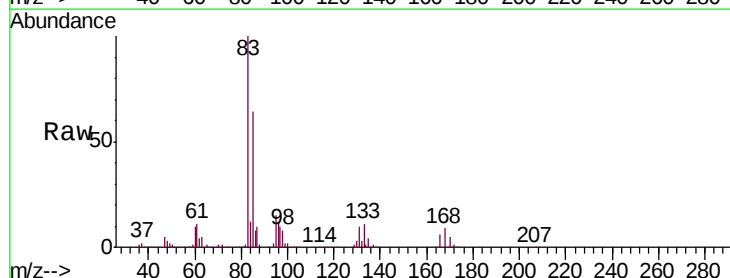
Tgt Ion: 83 Resp: 355585

Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

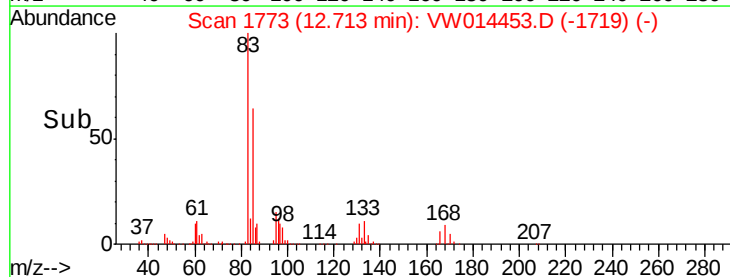
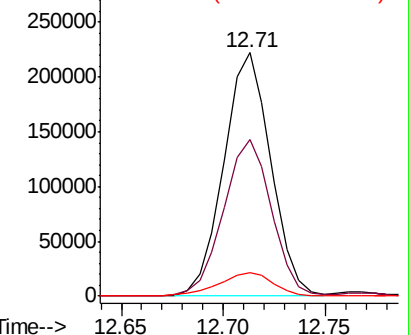
131 9.8 8.2 12.2

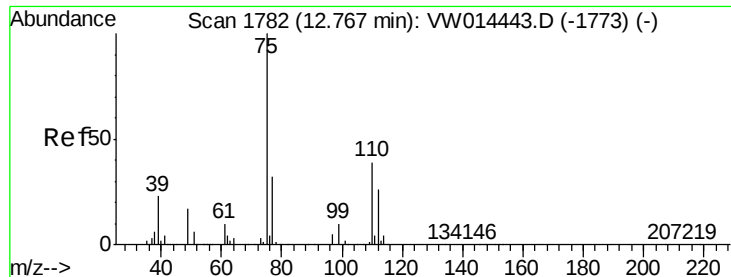


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

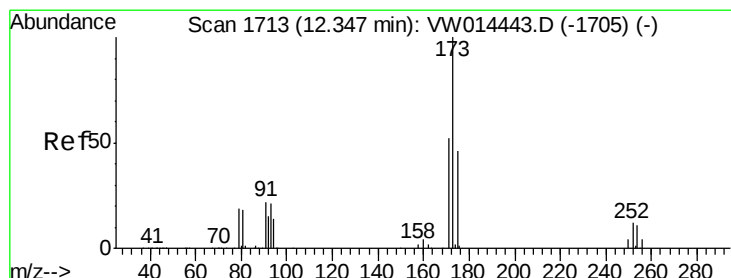
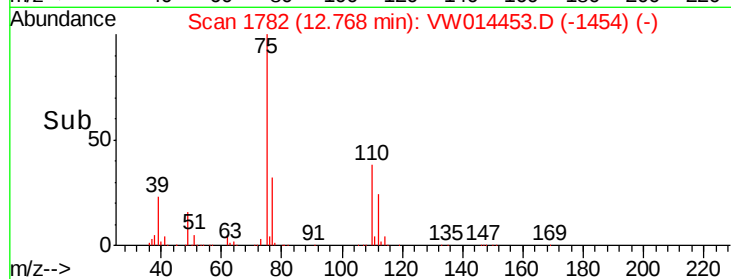
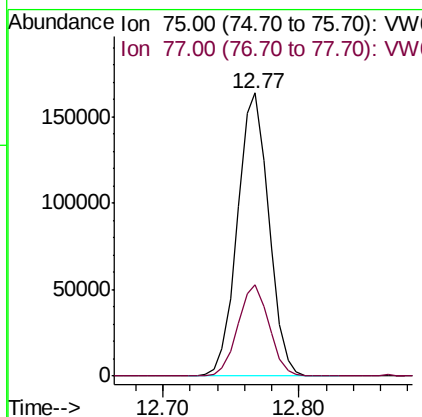
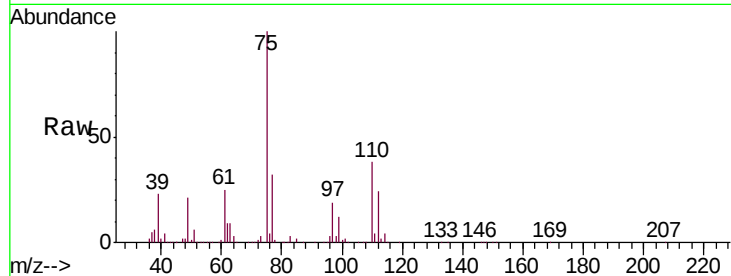




#59
 1,2,3-Trichloropropane
 Concen: 23.437 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

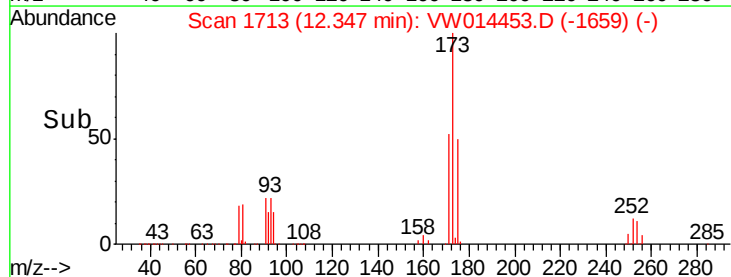
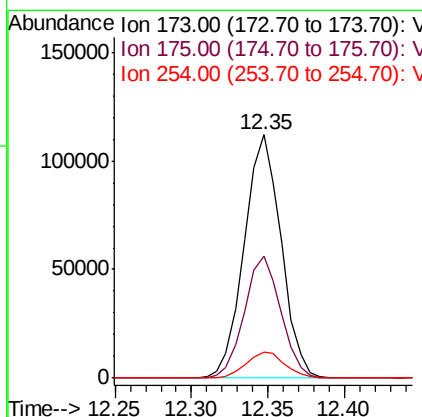
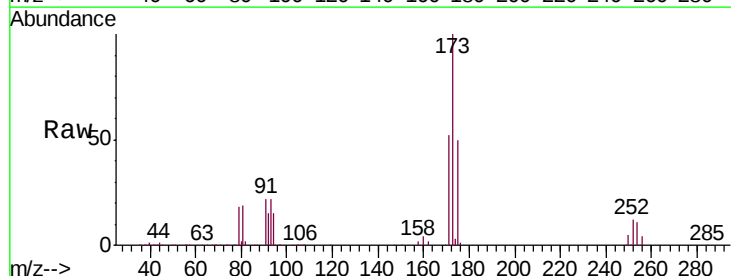
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

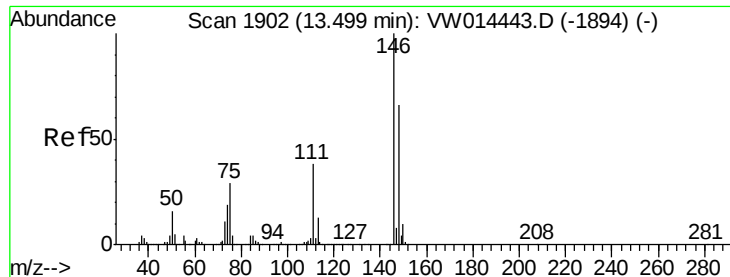
Tgt Ion: 75 Resp: 263370
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 23.062 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion: 173 Resp: 187995
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.8 58.2
 254 11.3 9.4 14.0

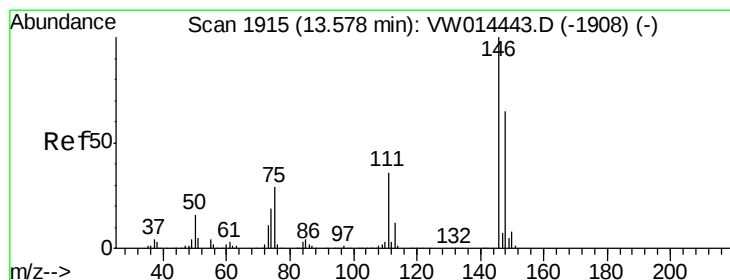
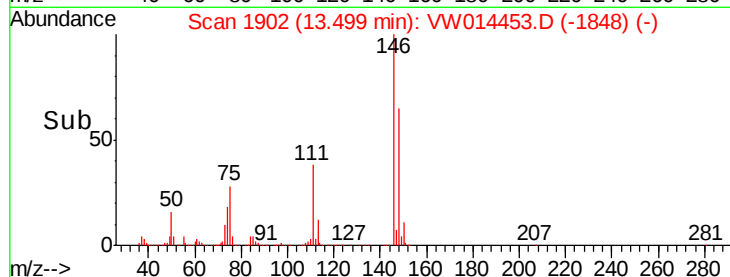
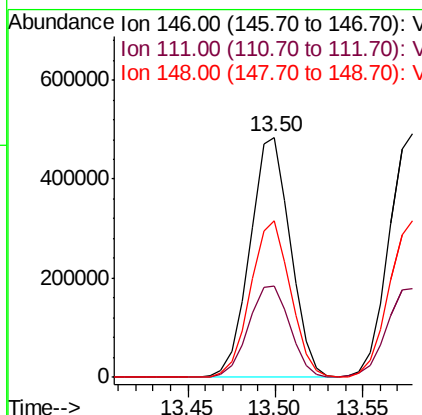
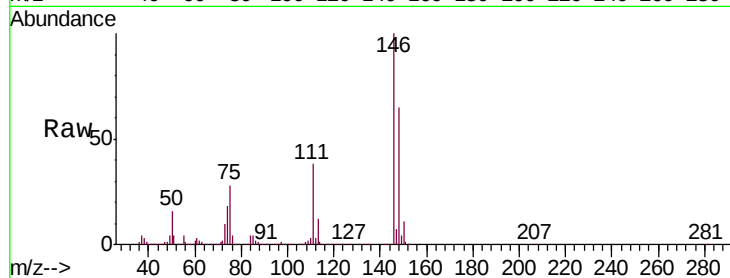




#63
 1,3-Dichlorobenzene
 Concen: 24.067 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

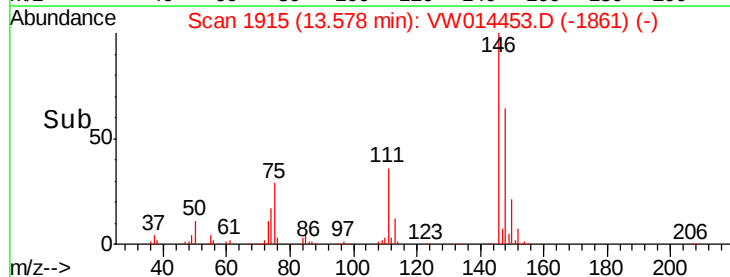
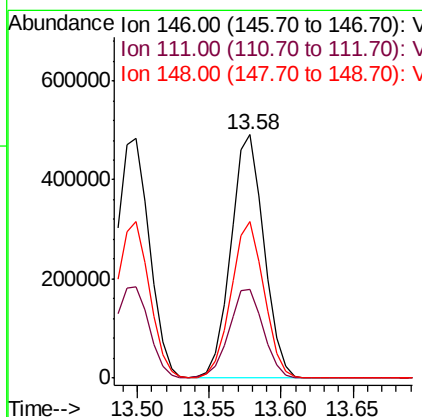
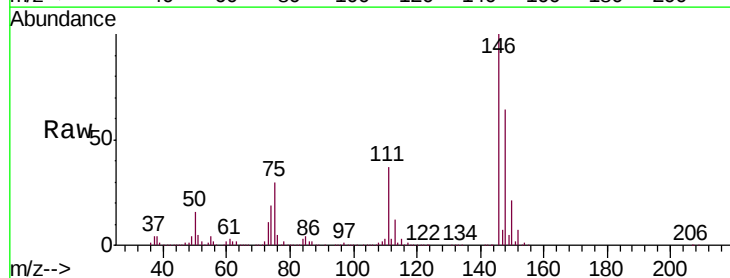
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

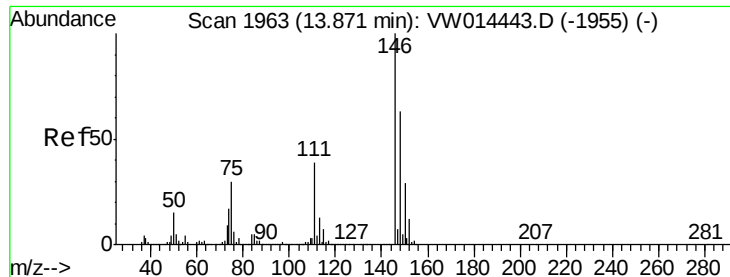
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.0	48.2
148	65.3	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.025 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	24.9	46.3
148	64.3	43.9	81.5

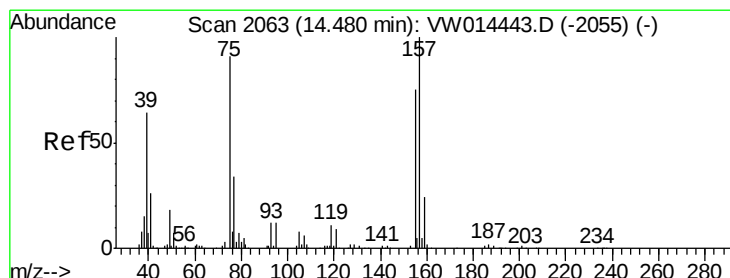
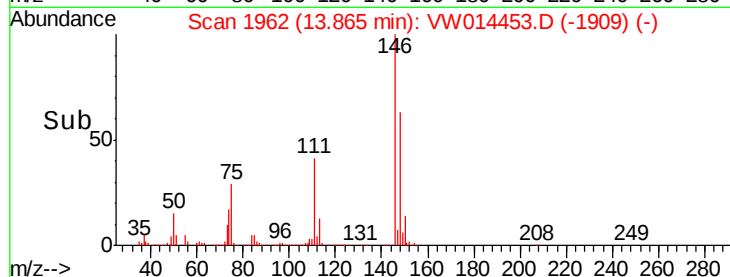
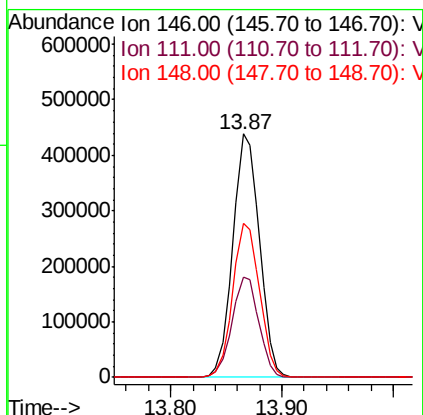
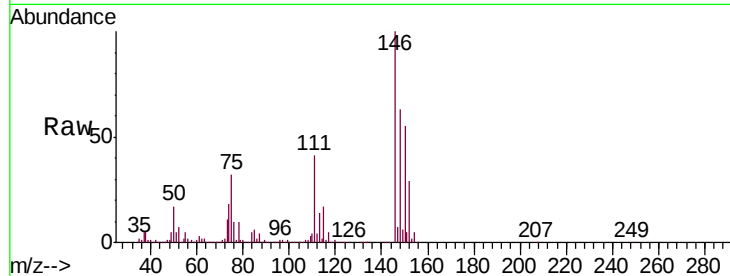




#65
 1,2-Dichlorobenzene
 Concen: 24.115 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

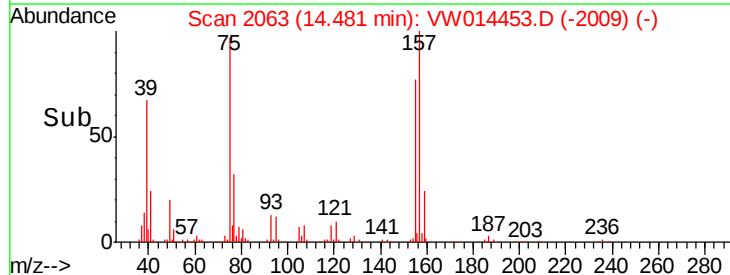
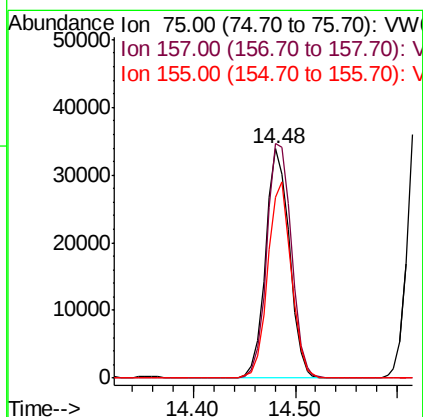
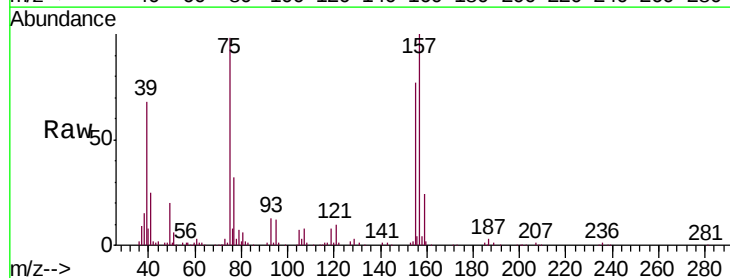
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

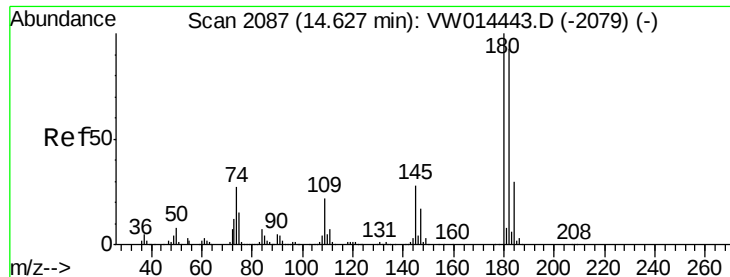
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	30.5	45.7
148	63.3	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.778 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion	Ratio	Lower	Upper
75	100		
157	102.5	96.9	145.3
155	79.1	82.9	124.3#

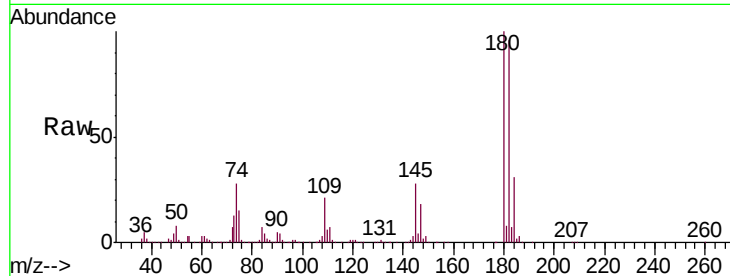




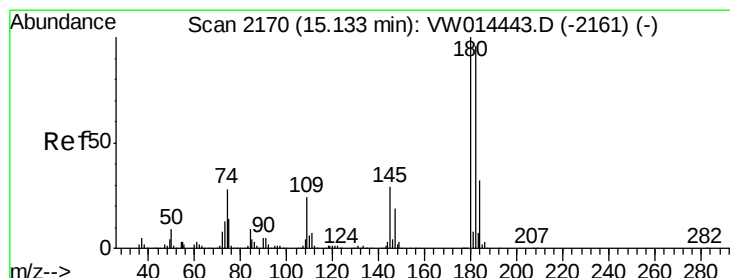
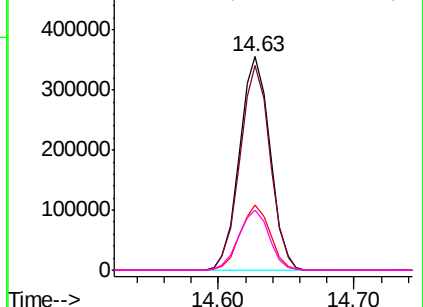
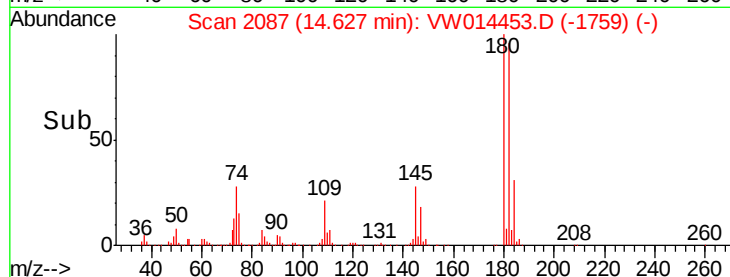
#67
 1,3,5-Trichlorobenzene
 Concen: 24.028 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Tgt Ion:180 Resp: 558091
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.2
 184 29.9 24.3 36.5
 145 28.2 21.9 32.9

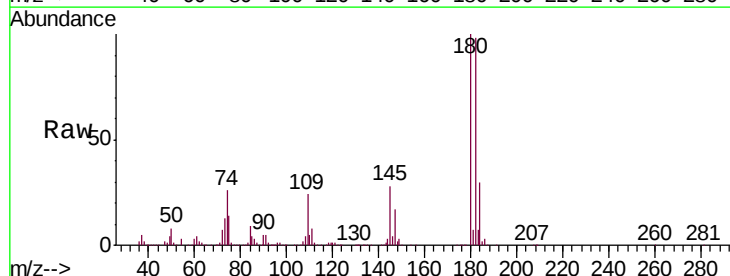


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

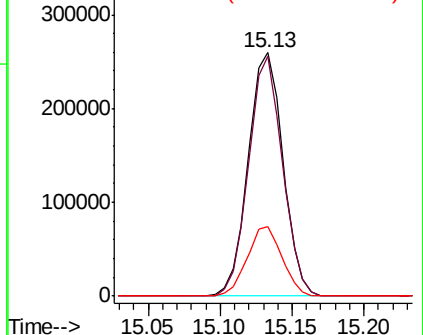
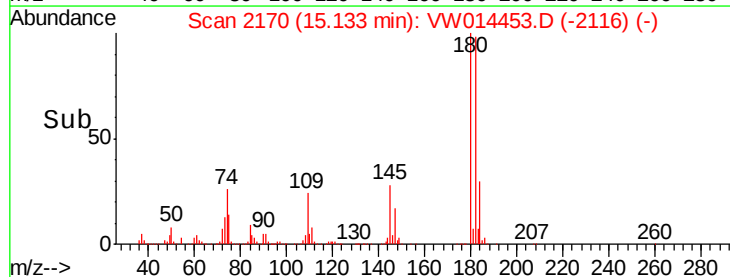


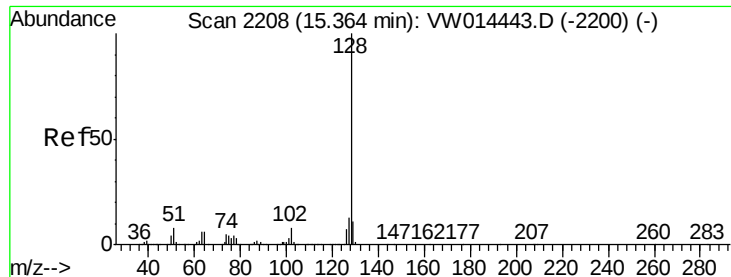
#68
 1,2,4-trichlorobenzene
 Concen: 23.897 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014453.D
 Acq: 19 Dec 2019 01:31

Tgt Ion:180 Resp: 432696
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.8
 145 28.7 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: 24.438 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02527

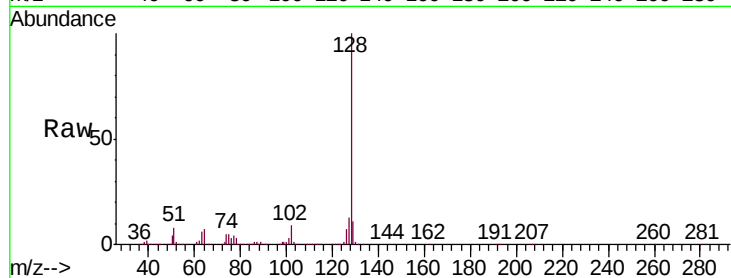
Tgt Ion:128 Resp: 832108

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

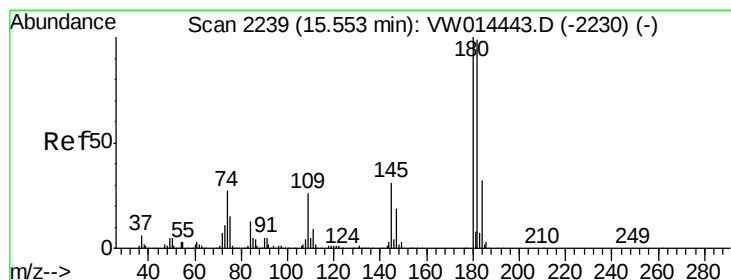
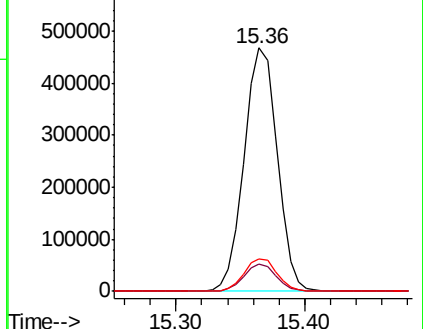
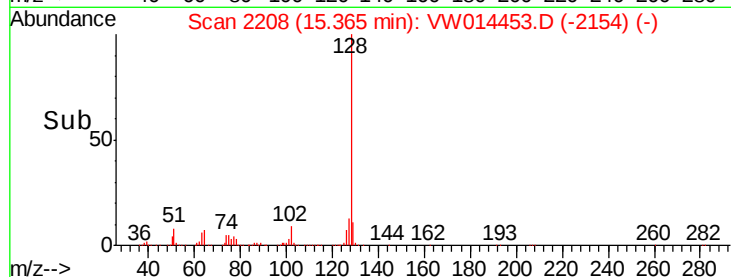
127 13.2 10.4 15.6



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: 23.708 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014453.D

Acq: 19 Dec 2019 01:31

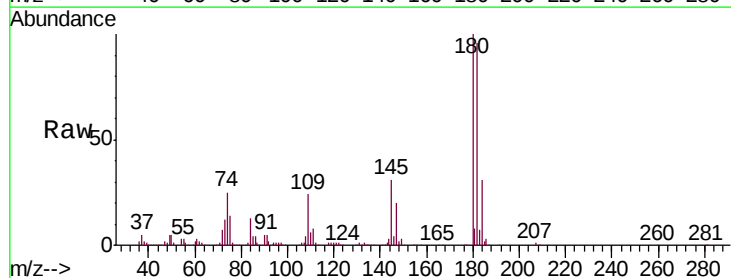
Tgt Ion:180 Resp: 402554

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

145 31.4 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

