

Data File : VW014455.D
Acq On : 19 Dec 2019 10:35
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Quant Time: Dec 20 01:09:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 16:47:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1028469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	915267	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	450408	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	297168	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	2.89	69	265986	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.88%
10) 1,1-Dichloroethene-d2	4.02	63	639603	23.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.00%
20) 2-Butanone-d5	7.07	46	258598	63.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.44%
24) Chloroform-d	7.64	84	654993	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	8.30	65	354389	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	1299288	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
33) 1,2-Dichloropropane-d6	9.27	67	410948	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.60%
37) Toluene-d8	10.32	98	1160453	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.57	79	168839	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
39) 2-Hexanone-d5	10.92	63	196189	59.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	364533	27.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	400033	23.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	248265	25.380	ug/L	98
3) Chloromethane	2.21	50	261728	26.616	ug/L	99
5) Vinyl chloride	2.36	62	379681	26.077	ug/L	96
6) Bromomethane	2.78	94	219017	24.387	ug/L	100
8) Chloroethane	2.92	64	220939	26.561	ug/L	95
9) Trichlorofluoromethane	3.26	101	221284	30.700	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	354202	26.111	ug/L	93
12) 1,1-Dichloroethene	4.04	96	345820	25.180	ug/L	87
13) Acetone	4.11	43	241294	61.666	ug/L	98
14) Carbon disulfide	4.38	76	989061	23.481	ug/L	99
15) Methyl Acetate	4.66	43	205218	27.728	ug/L	96
16) Methylene chloride	4.92	84	371988	23.594	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	463510	25.592	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	357763	24.325	ug/L	91
19) 1,1-Dichloroethane	6.21	63	673727	25.496	ug/L	99
21) 2-Butanone	7.16	43	298034	56.733	ug/L	96
22) cis-1,2-Dichloroethene	7.16	96	385464	24.630	ug/L	96

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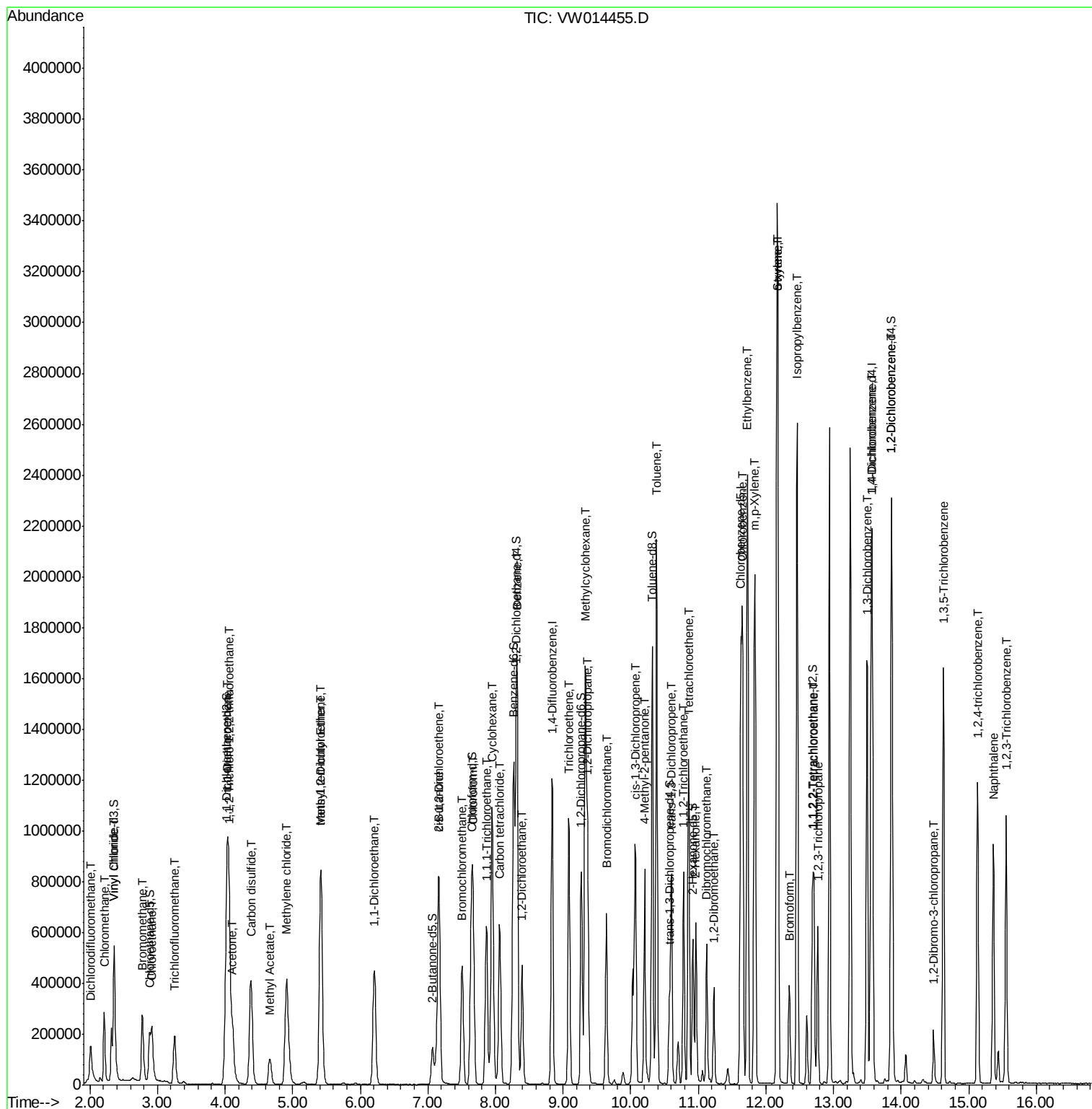
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166897	23.184	ug/L #	78
25) Chloroform	7.67	83	643621	25.065	ug/L	99
27) 1,2-Dichloroethane	8.40	62	427365	25.416	ug/L	96
30) Cyclohexane	7.95	56	637966	27.925	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	513164	27.918	ug/L	97
32) Carbon tetrachloride	8.06	117	476445	27.318	ug/L	100
34) Benzene	8.32	78	1494453	25.787	ug/L	100
35) Trichloroethene	9.09	95	374358	25.247	ug/L	95
36) Methylcyclohexane	9.33	83	669395	26.866	ug/L	95
40) 1,2-Dichloropropane	9.37	63	374070	25.125	ug/L	99
41) Bromodichloromethane	9.64	83	454566	25.123	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	565648	25.370	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	561605	57.204	ug/L	97
44) Toluene	10.38	91	1559058	25.661	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	461445	25.567	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	274944	24.644	ug/L	97
47) Tetrachloroethene	10.86	164	311374	25.195	ug/L	98
49) 2-Hexanone	10.96	43	397518	56.873	ug/L	97
50) Dibromochloromethane	11.12	129	305617	24.408	ug/L	98
51) 1,2-Dibromoethane	11.23	107	261035	24.701	ug/L	99
52) Chlorobenzene	11.65	112	962068	24.501	ug/L	93
53) Ethylbenzene	11.73	91	1723814	26.148	ug/L	98
54) m,p-Xylene	11.83	106	652209	25.718	ug/L	97
55) o-xylene	12.16	106	605523	25.174	ug/L	99
56) Styrene	12.18	104	1055894	25.659	ug/L	95
57) Isopropylbenzene	12.46	105	1668089	26.712	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	345863	24.977	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	264395	25.696	ug/L	99
62) Bromoform	12.35	173	184133	24.087	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	729931	24.111	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	721680	23.463	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	659608	23.430	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	55462	25.538	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	519048	23.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	404103	23.799	ug/L	98
69) Naphthalene	15.36	128	794301	24.875	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	370152	23.246	ug/L	98

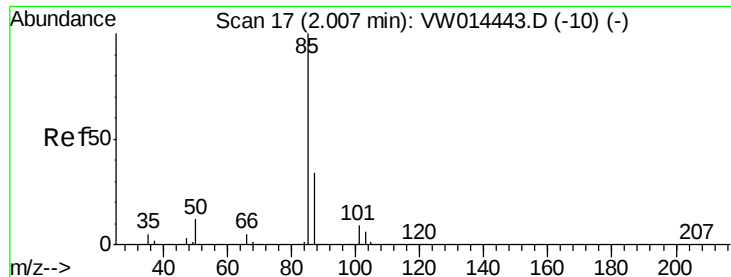
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.380 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

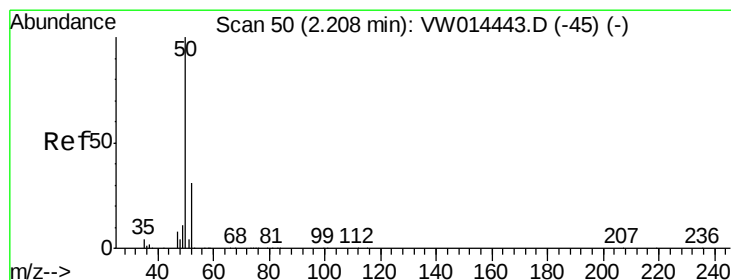
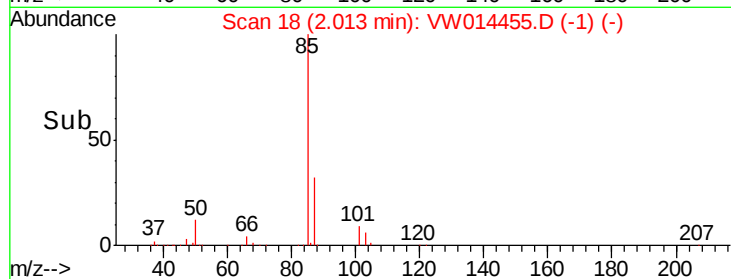
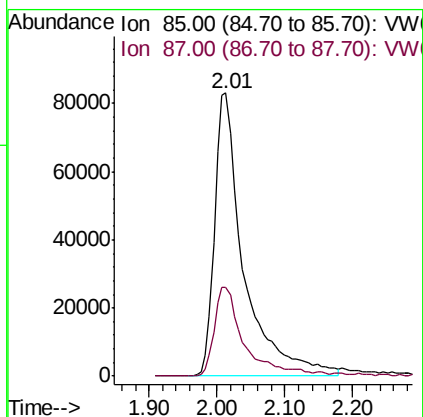
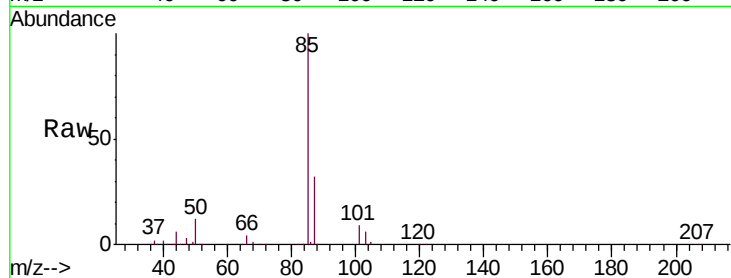
VSTD02528

Tgt Ion: 85 Resp: 248265

Ion Ratio Lower Upper

85 100

87 30.3 22.1 41.1



#3

Chloromethane

Concen: 26.616 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014455.D

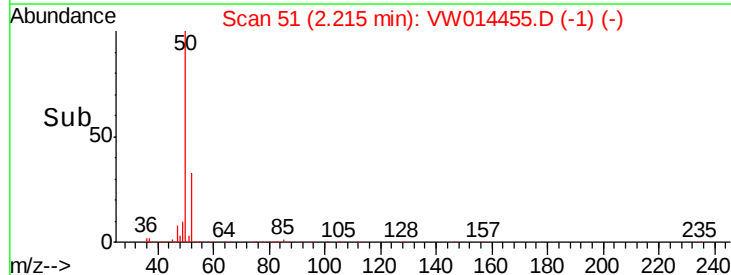
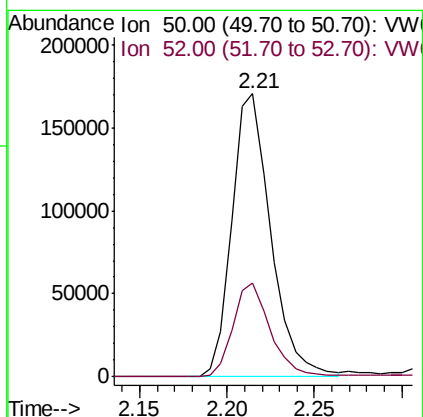
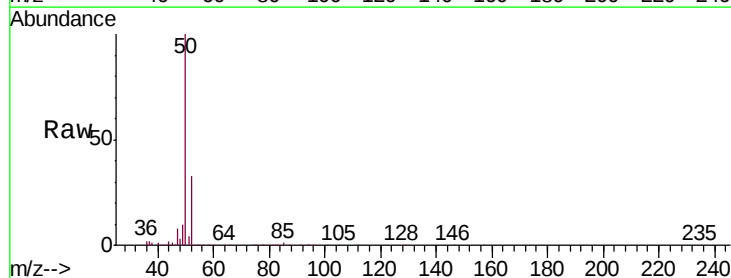
Acq: 19 Dec 2019 10:35

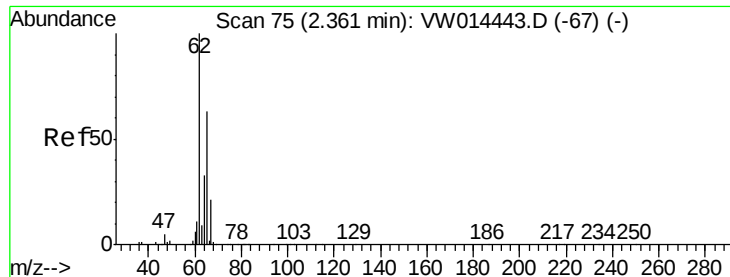
Tgt Ion: 50 Resp: 261728

Ion Ratio Lower Upper

50 100

52 33.4 23.8 44.2





#5

Vinyl chloride

Concen: 26.077 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

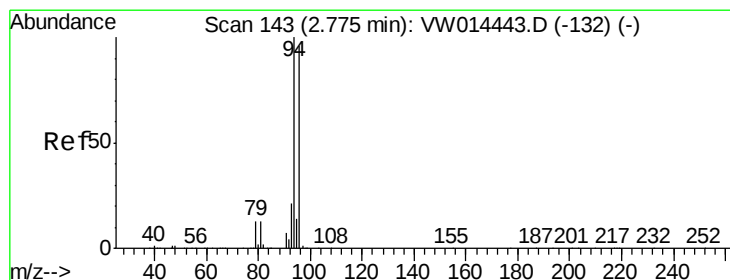
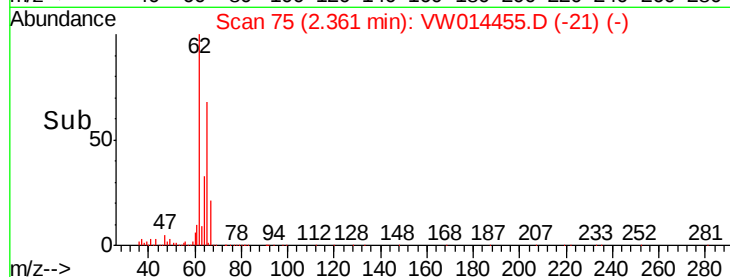
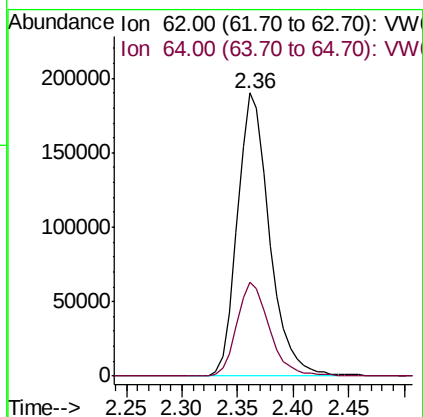
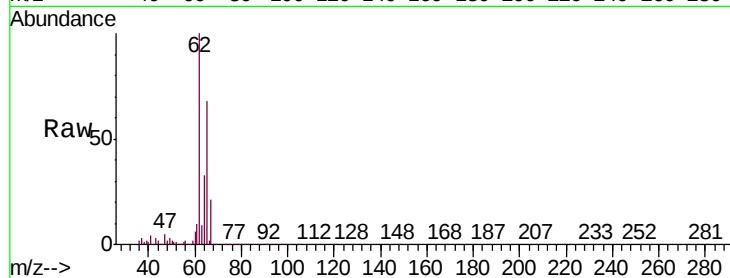
VSTD02528

Tgt Ion: 62 Resp: 379681

Ion Ratio Lower Upper

62 100

64 33.2 21.8 40.4



#6

Bromomethane

Concen: 24.387 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014455.D

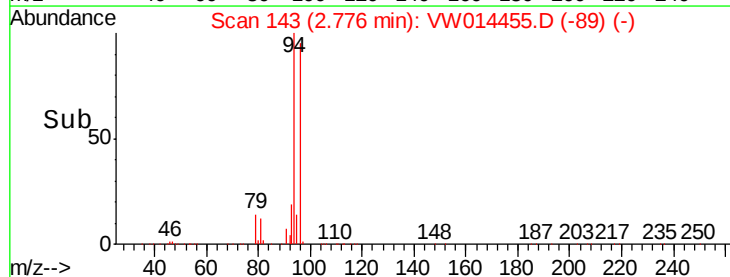
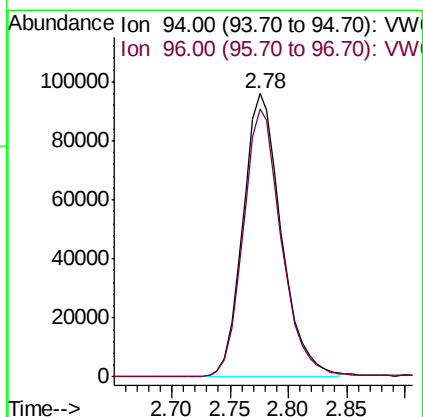
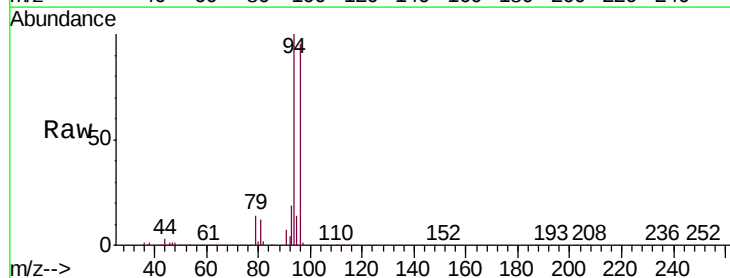
Acq: 19 Dec 2019 10:35

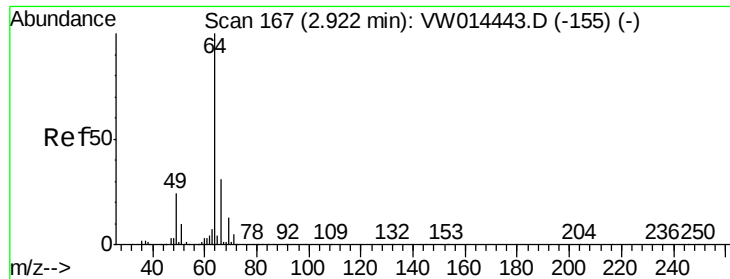
Tgt Ion: 94 Resp: 219017

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.8





#8

Chloroethane

Concen: 26.561 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

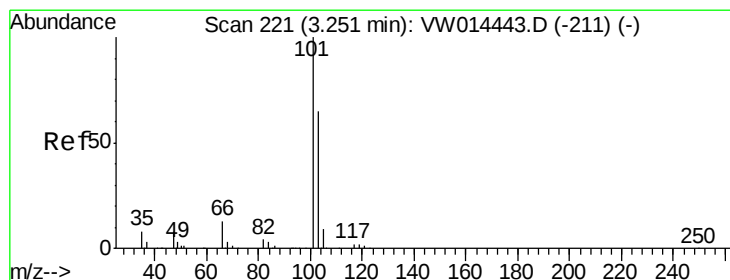
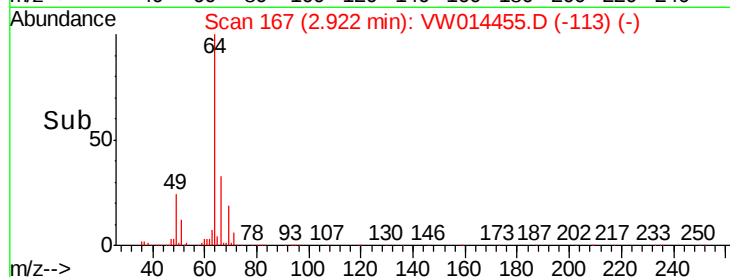
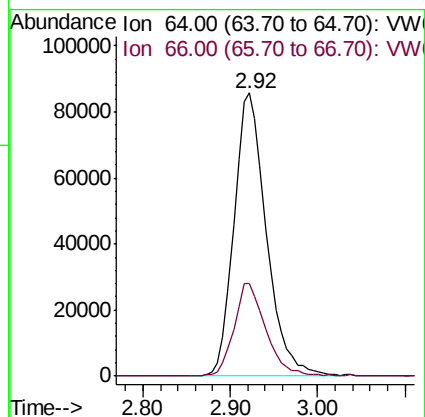
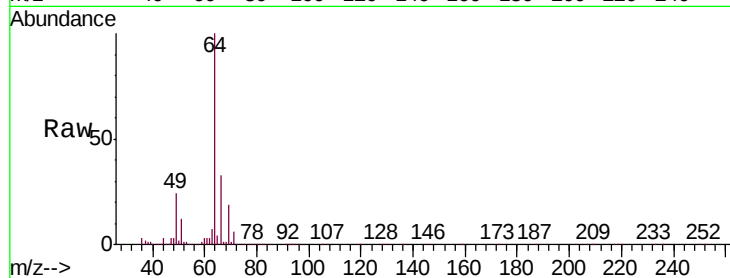
VSTD02528

Tgt Ion: 64 Resp: 220939

Ion Ratio Lower Upper

64 100

66 32.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 30.700 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014455.D

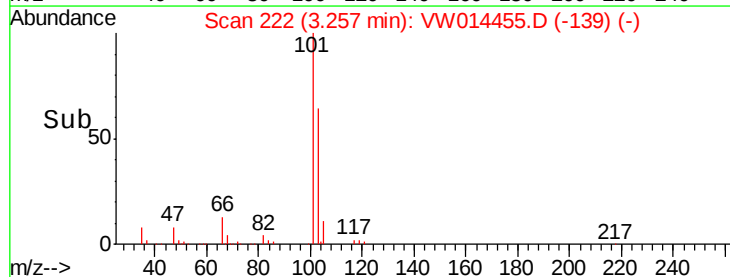
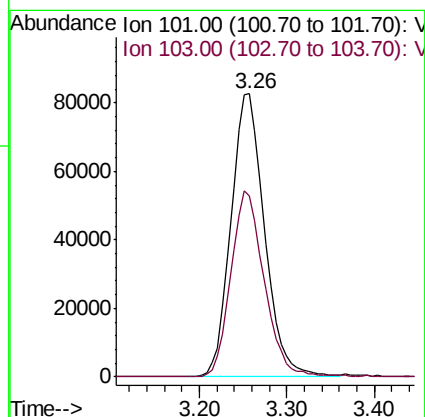
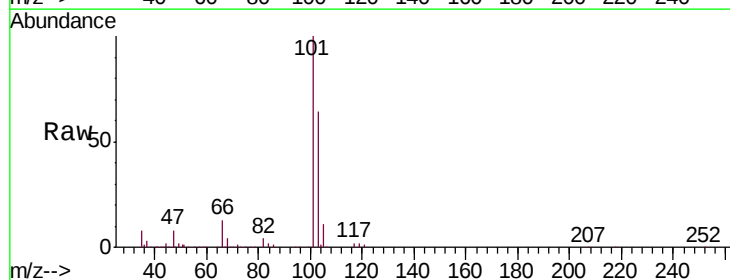
Acq: 19 Dec 2019 10:35

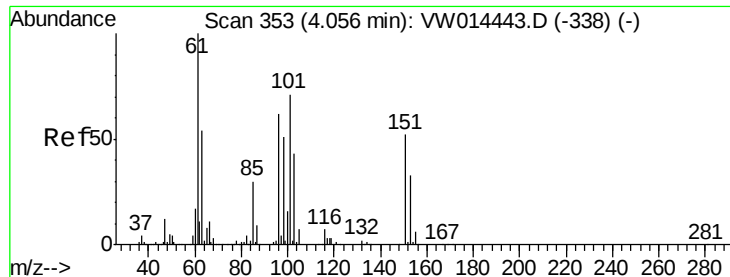
Tgt Ion: 101 Resp: 221284

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.2





#11

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

Concen: 26.111 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW014455.D

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ClientSampleId :

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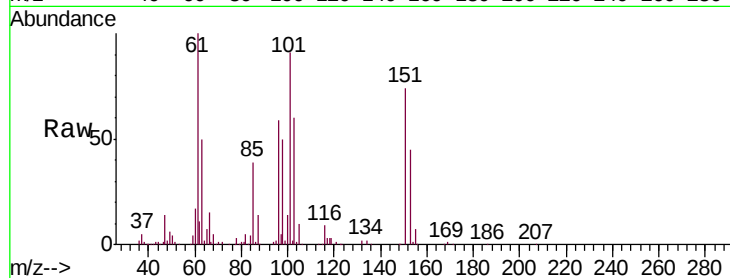
Tgt Ion:101 Resp: 354202

Ion Ratio Lower Upper

101 100

85 42.1 31.4 47.2

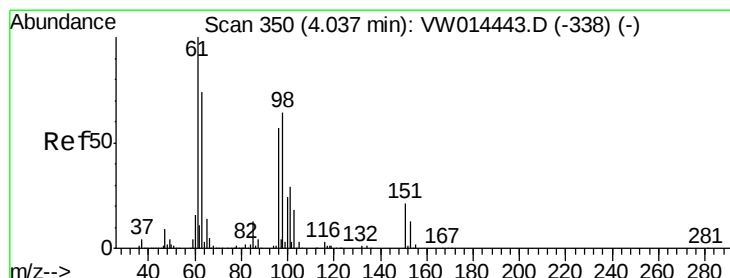
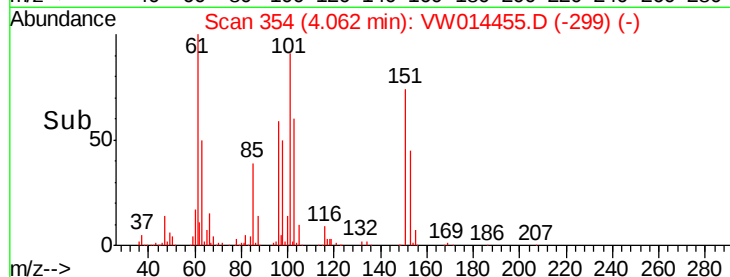
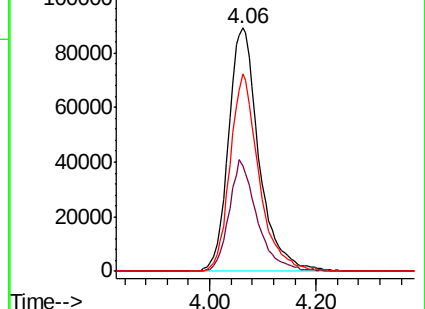
151 76.6 66.9 100.3



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: 25.180 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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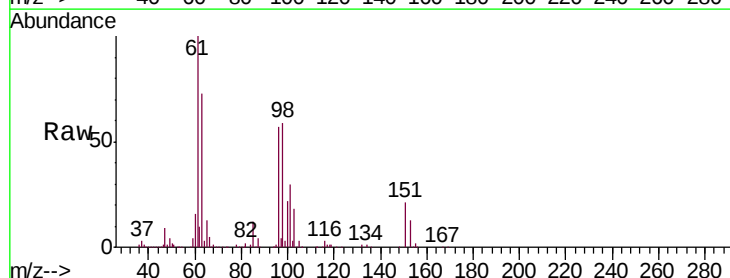
Tgt Ion: 96 Resp: 345820

Ion Ratio Lower Upper

96 100

61 175.1 109.8 204.0

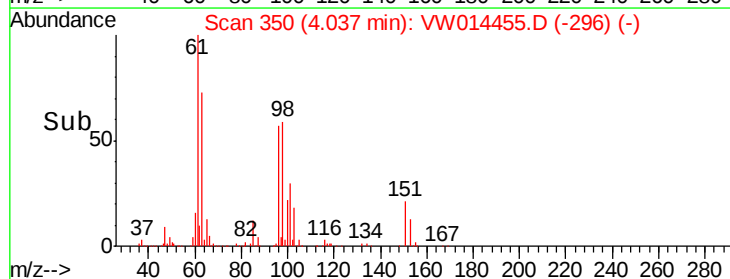
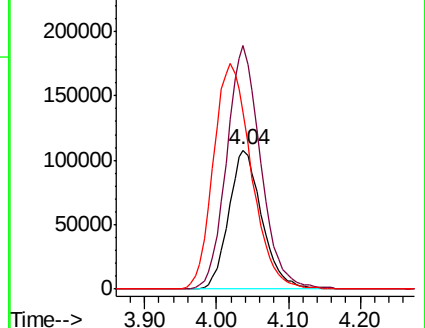
63 127.0 80.7 149.9

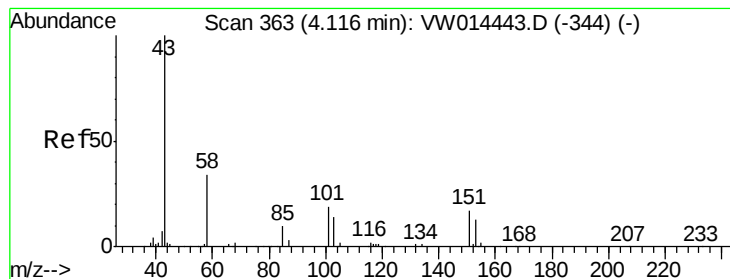


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 61.666 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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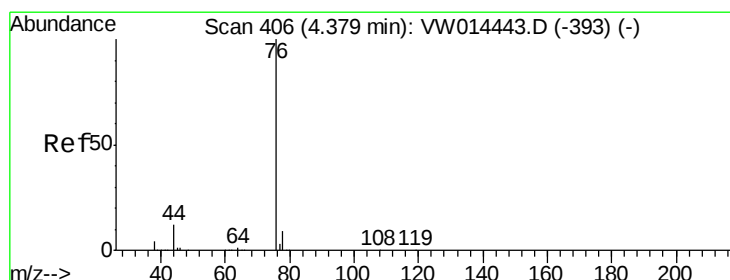
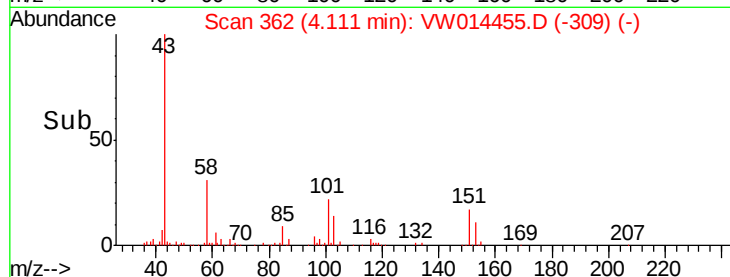
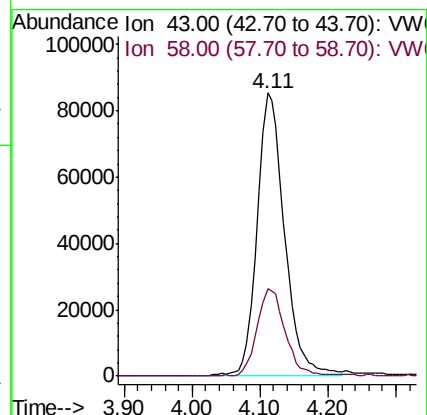
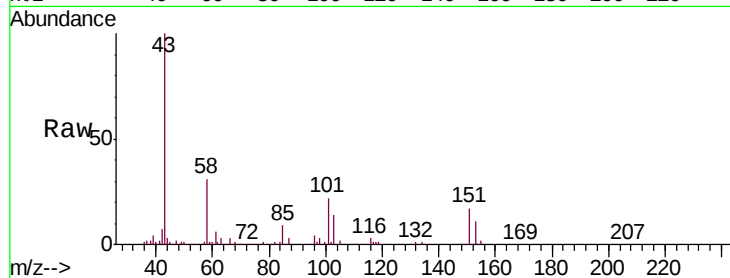
VSTD02528

Tgt Ion: 43 Resp: 241294

Ion Ratio Lower Upper

43 100

58 31.5 0.0 65.4



#14

Carbon disulfide

Concen: 23.481 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014455.D

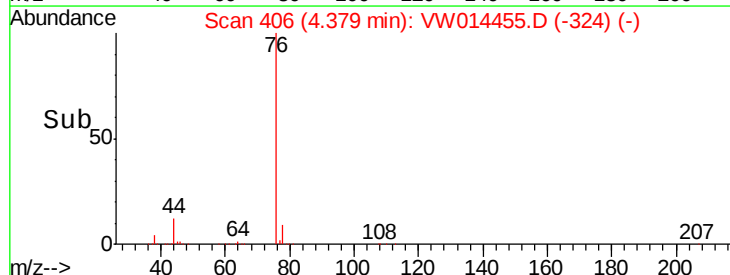
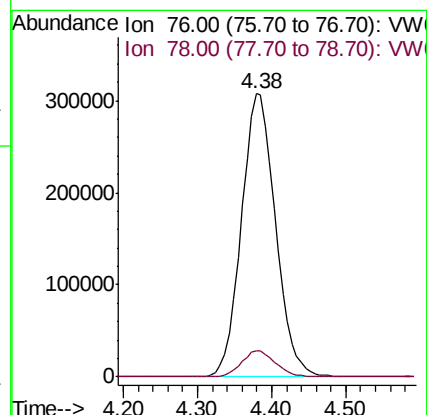
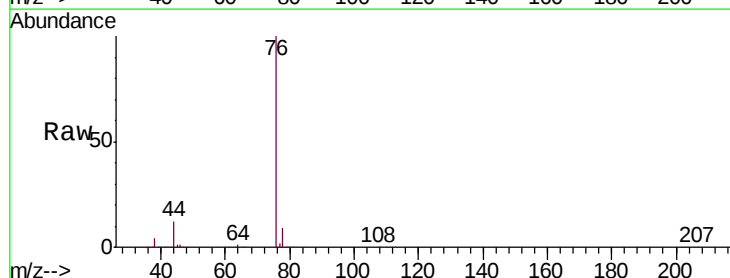
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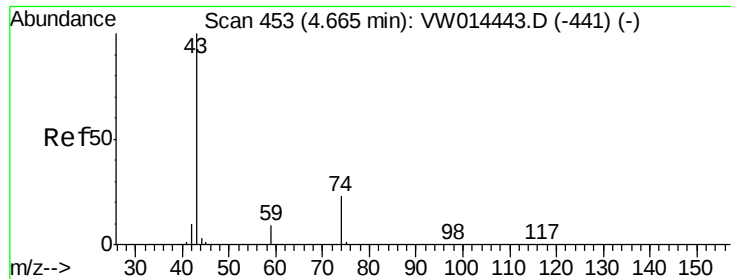
Tgt Ion: 76 Resp: 989061

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

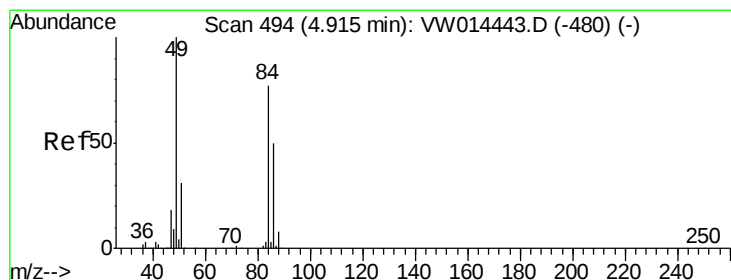
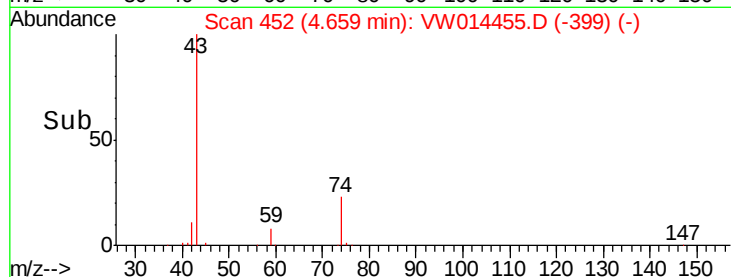
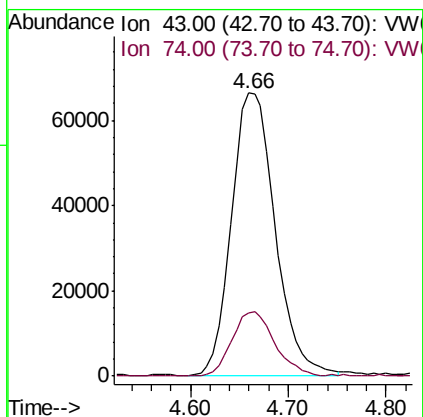
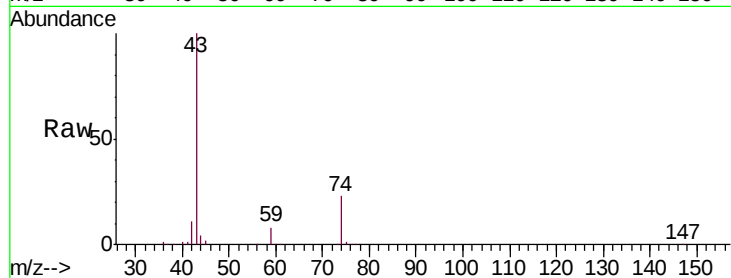




#15
Methyl Acetate
Concen: 27.728 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

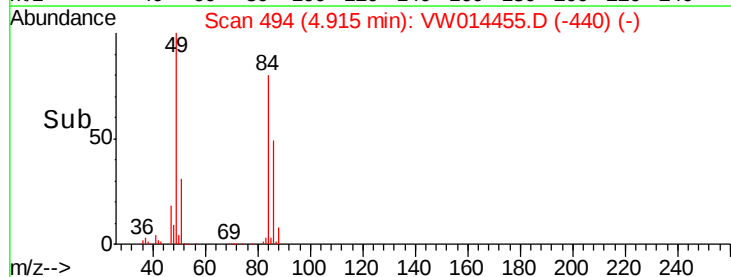
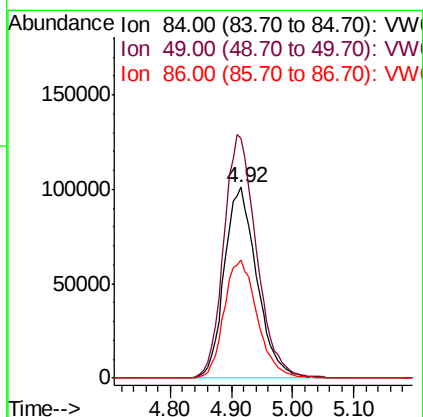
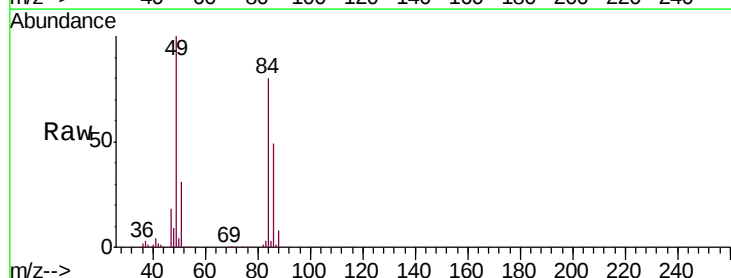
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

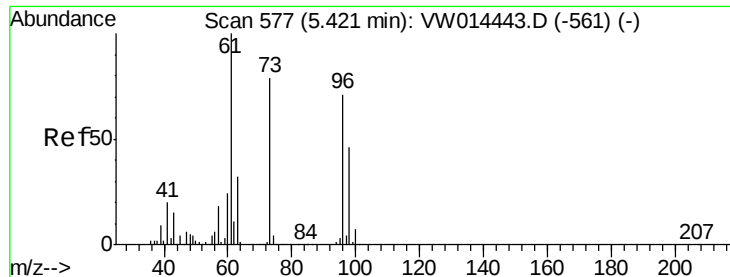
Tgt Ion: 43 Resp: 205218
Ion Ratio Lower Upper
43 100
74 22.3 19.3 28.9



#16
Methylene chloride
Concen: 23.594 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

Tgt Ion: 84 Resp: 371988
Ion Ratio Lower Upper
84 100
49 125.6 84.2 156.4
86 61.9 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 25.592 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

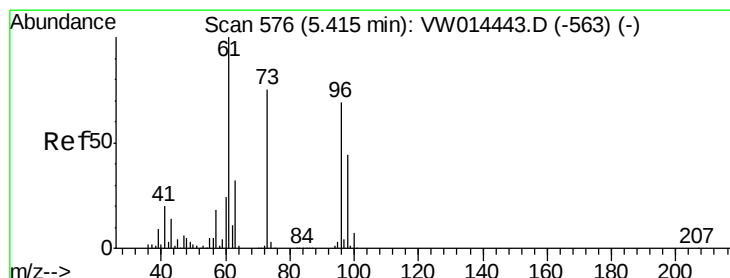
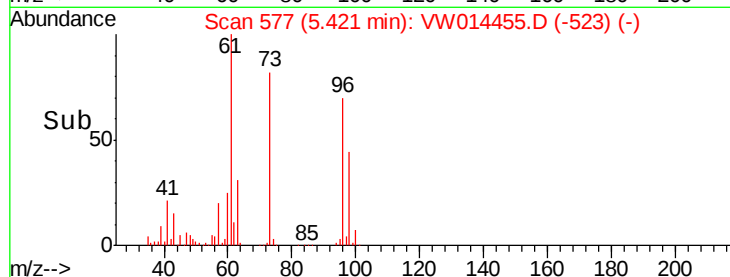
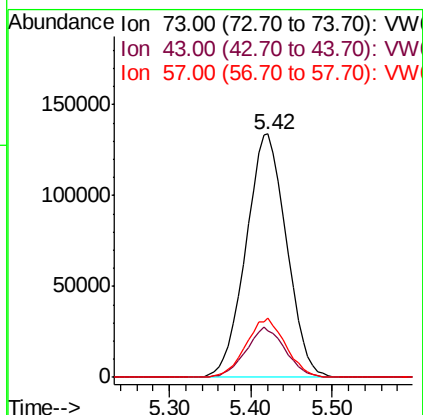
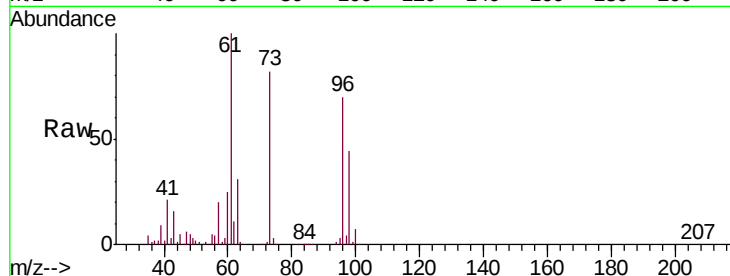
Tgt Ion: 73 Resp: 463510

Ion Ratio Lower Upper

73 100

43 19.6 15.5 23.3

57 23.8 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 24.325 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

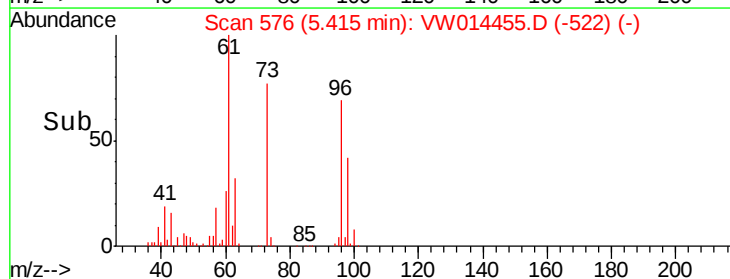
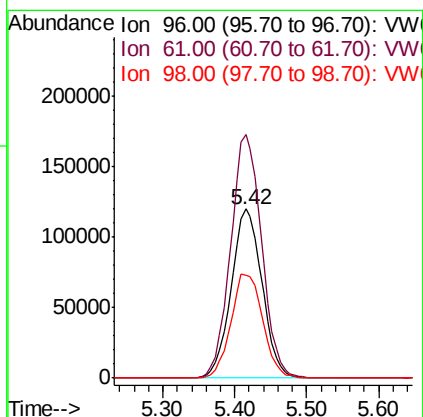
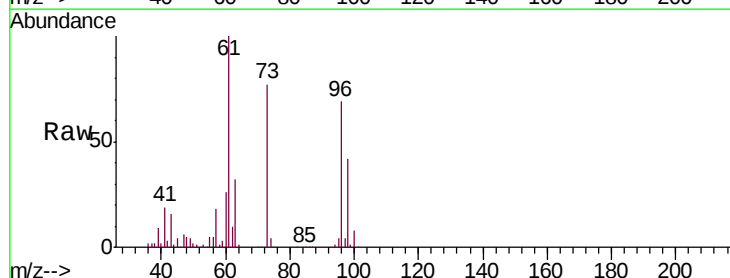
Tgt Ion: 96 Resp: 357763

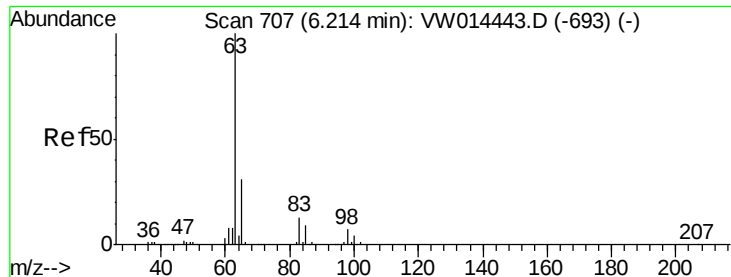
Ion Ratio Lower Upper

96 100

61 144.2 90.6 168.2

98 60.6 42.9 79.7

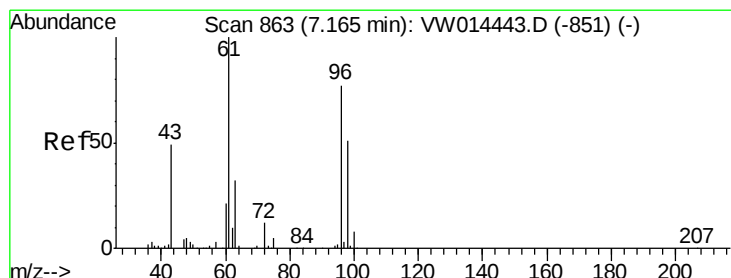
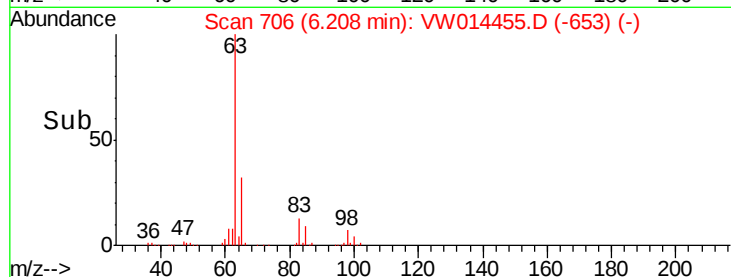
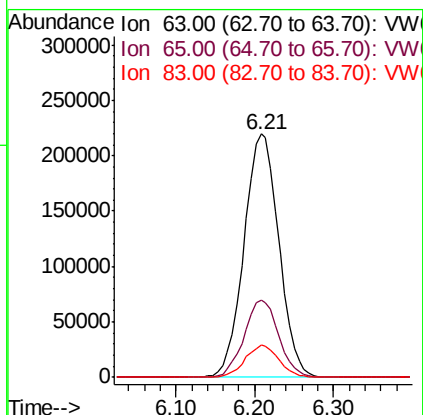
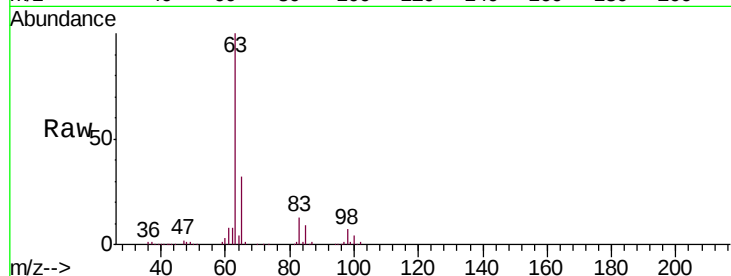




#19
 1,1-Dichloroethane
 Concen: 25.496 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

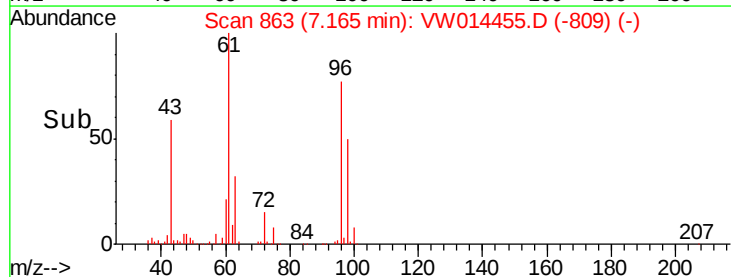
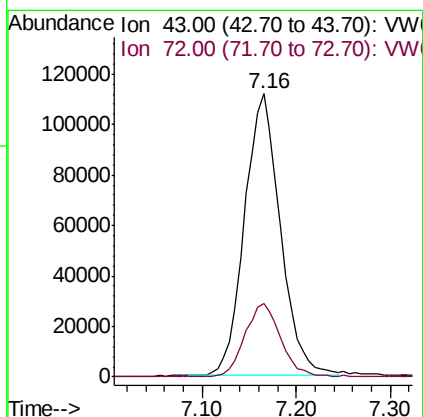
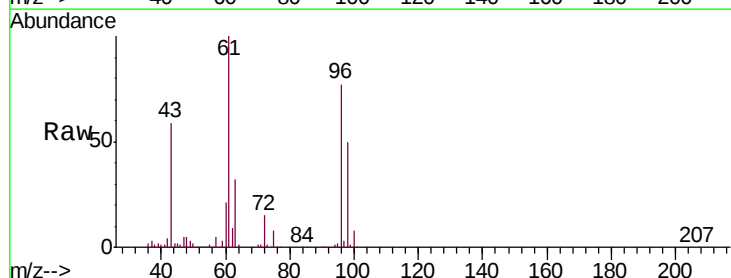
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

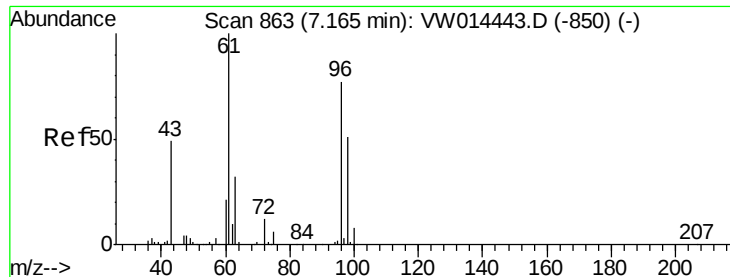
Tgt Ion: 63 Resp: 673727
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 13.2 9.0 16.6



#21
 2-Butanone
 Concen: 56.733 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion: 43 Resp: 298034
 Ion Ratio Lower Upper
 43 100
 72 26.0 14.1 42.2



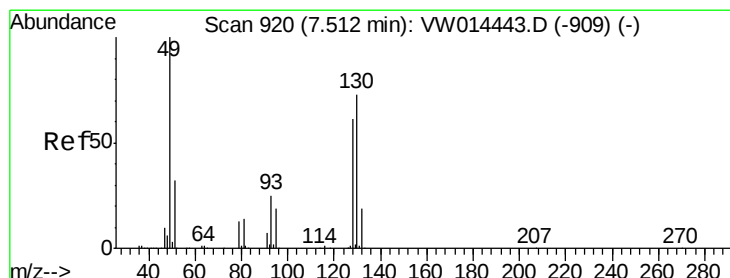
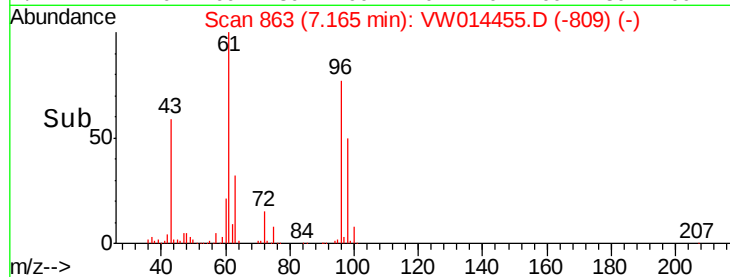
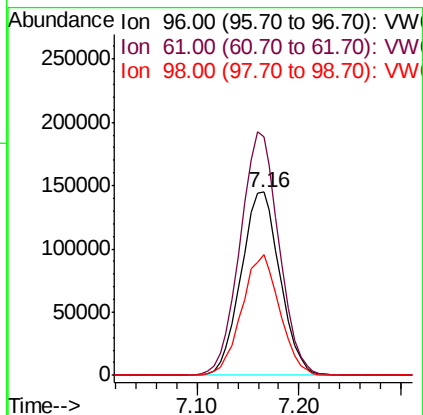
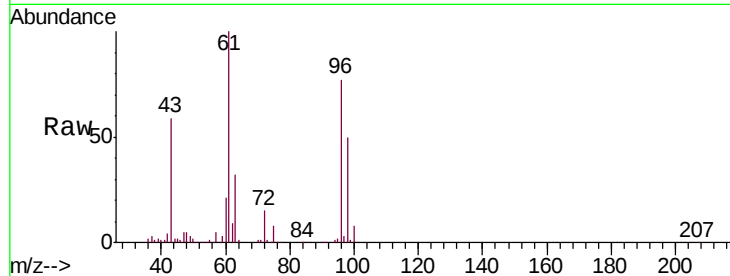


#22

cis-1,2-Dichloroethene
Concen: 24.630 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

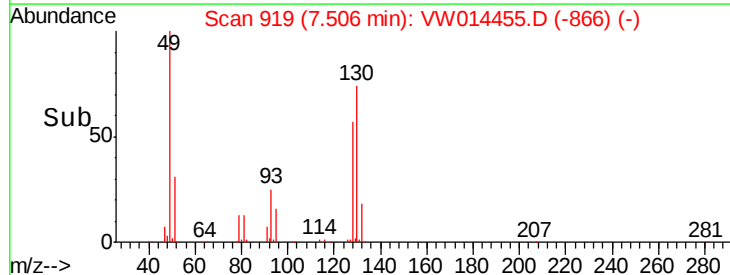
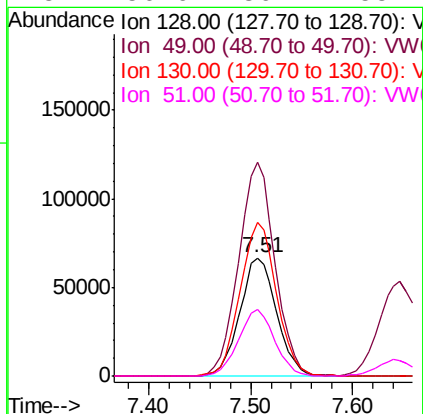
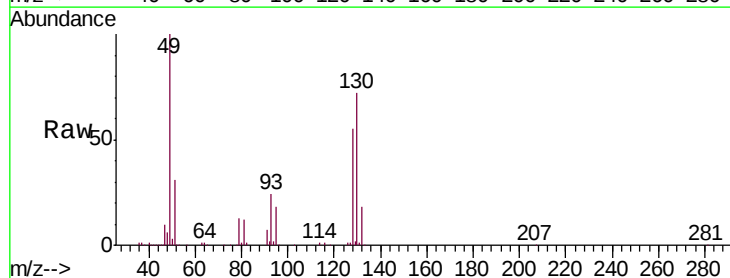
Tgt Ion: 96 Resp: 385464
Ion Ratio Lower Upper
96 100
61 130.6 86.9 161.5
98 65.7 45.5 84.5

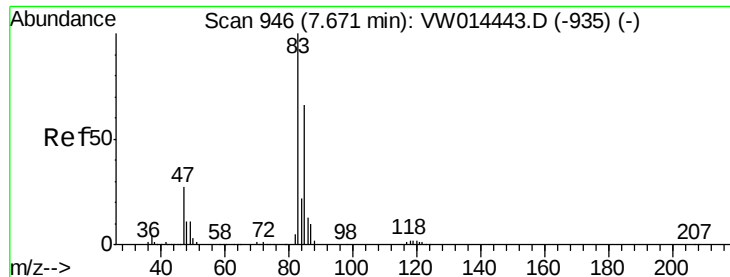


#23

Bromochloromethane
Concen: 23.184 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

Tgt Ion: 128 Resp: 166897
Ion Ratio Lower Upper
128 100
49 180.7 95.1 176.5#
130 130.4 85.0 158.0
51 56.6 36.7 55.1#





#25

Chloroform

Concen: 25.065 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

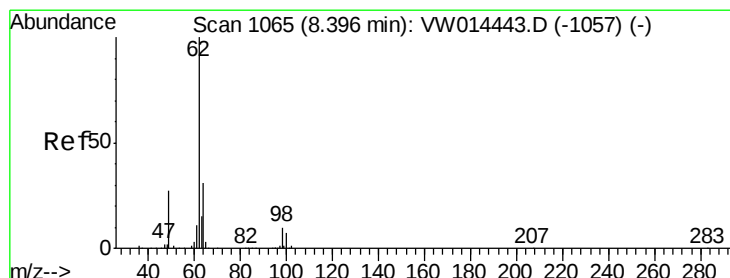
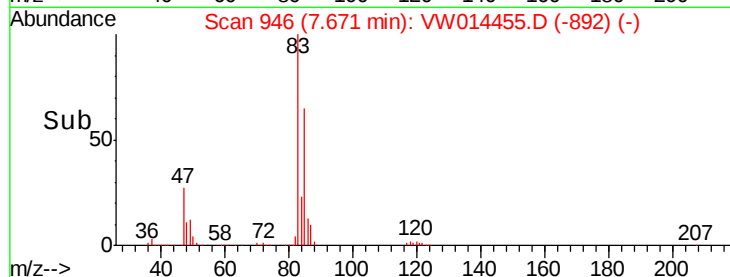
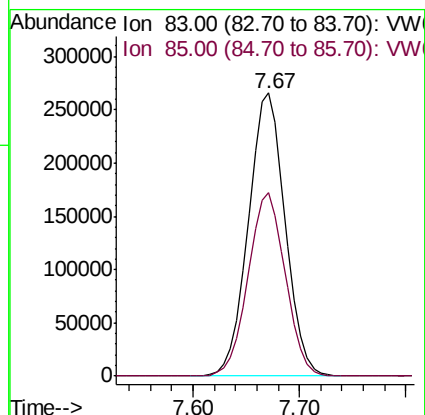
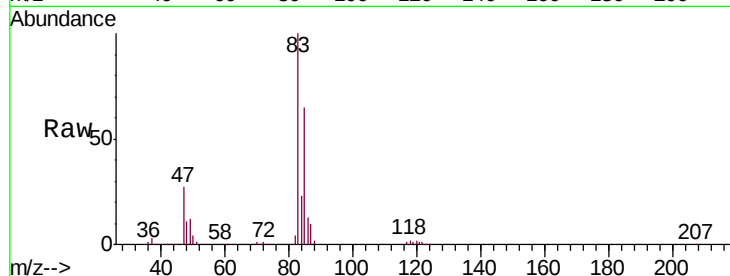
VSTD02528

Tgt Ion: 83 Resp: 643621

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



#27

1,2-Dichloroethane

Concen: 25.416 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014455.D

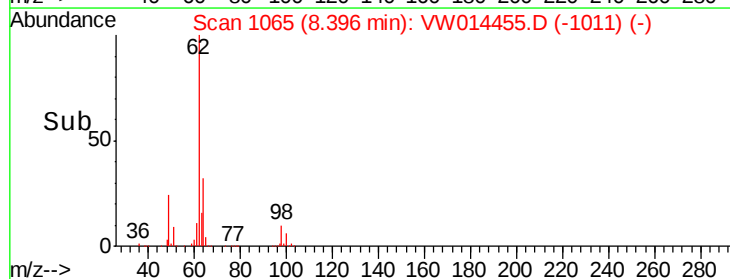
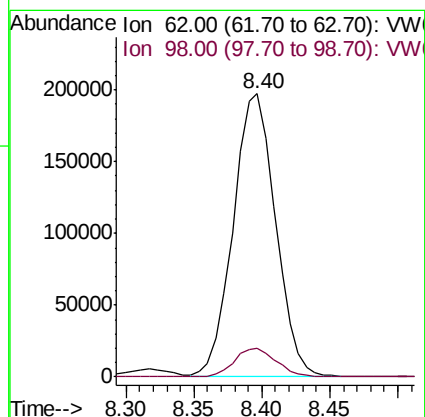
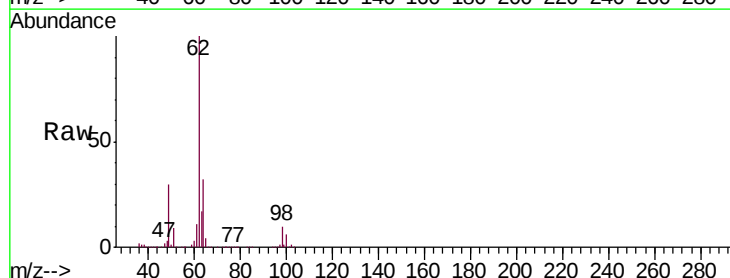
Acq: 19 Dec 2019 10:35

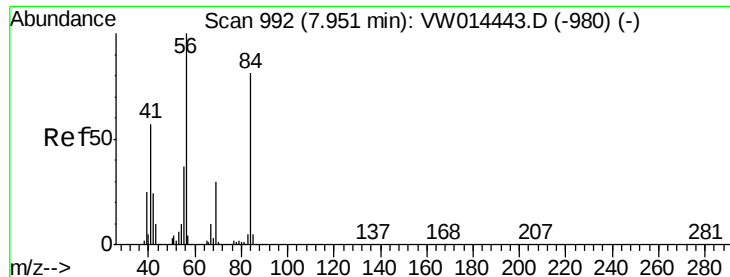
Tgt Ion: 62 Resp: 427365

Ion Ratio Lower Upper

62 100

98 10.1 9.3 13.9

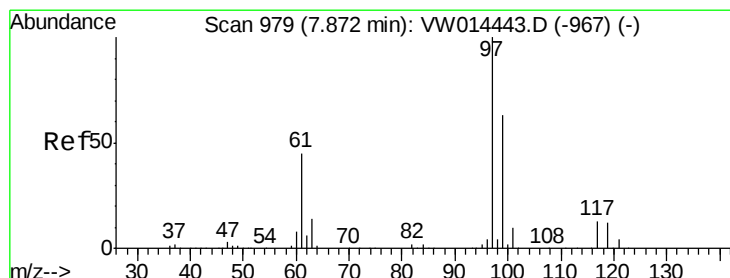
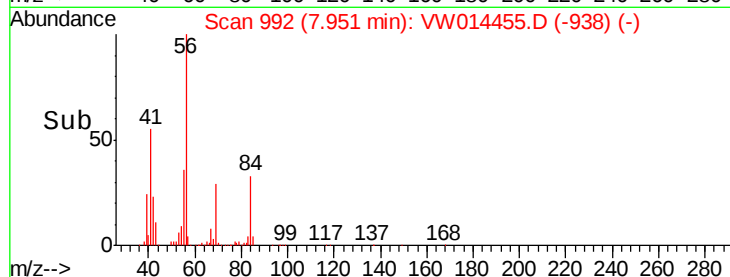
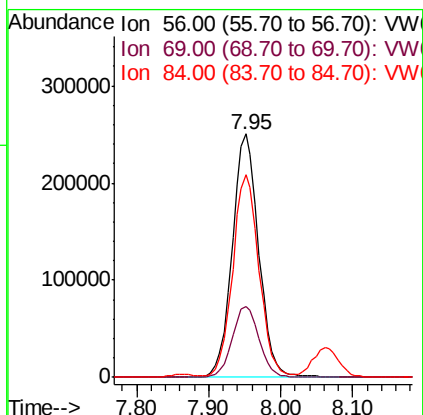
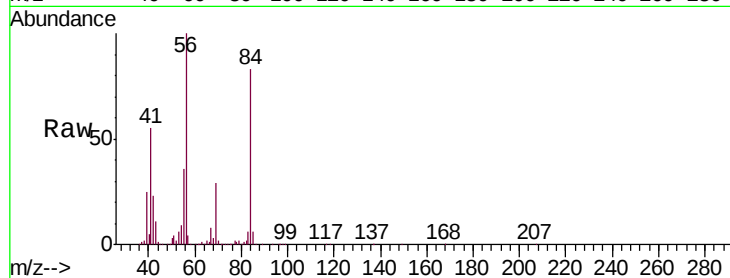




#30
Cyclohexane
Concen: 27.925 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

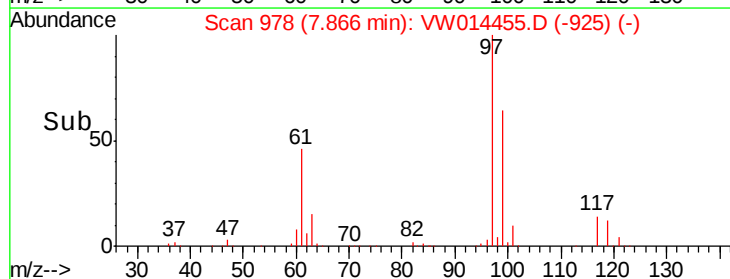
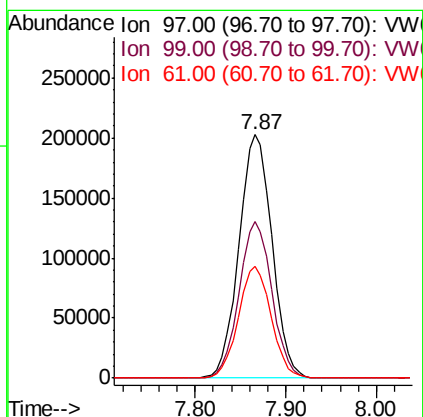
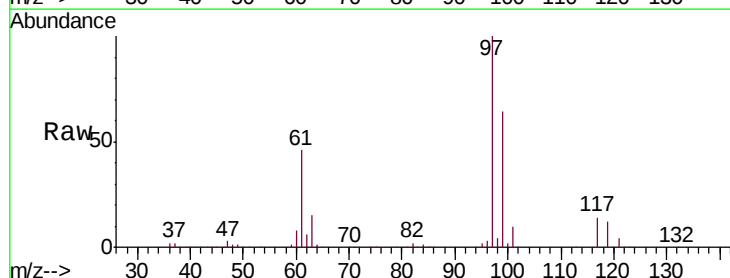
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

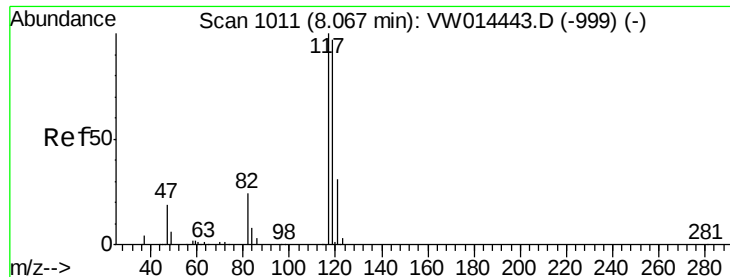
Tgt Ion: 56 Resp: 637966
Ion Ratio Lower Upper
56 100
69 29.6 24.6 37.0
84 83.3 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 27.918 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

Tgt Ion: 97 Resp: 513164
Ion Ratio Lower Upper
97 100
99 63.7 51.1 76.7
61 45.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 27.318 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

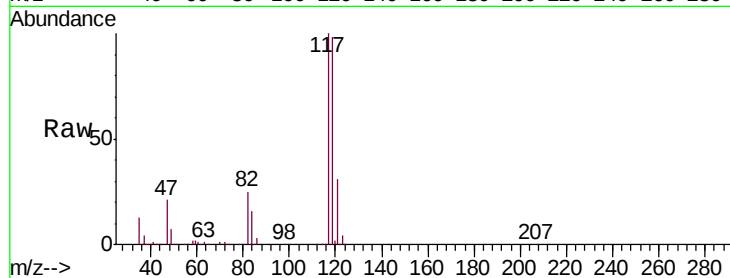
VSTD02528

Tgt Ion:117 Resp: 476445

Ion Ratio Lower Upper

117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

200000

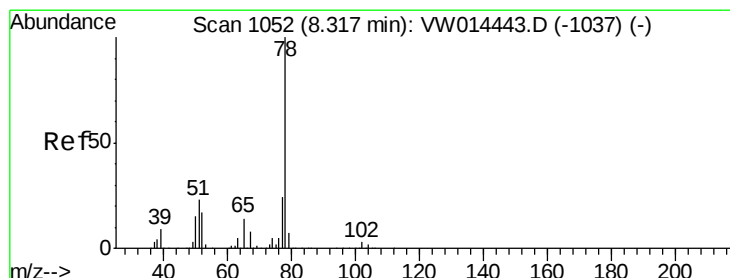
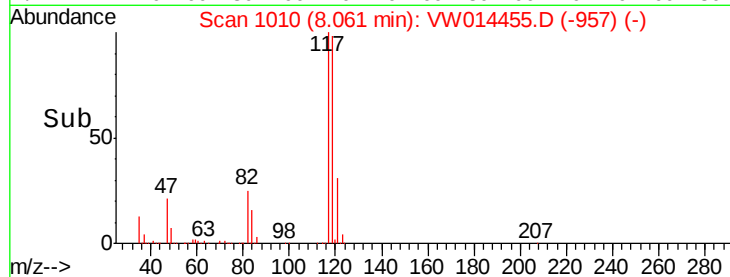
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.787 ug/L

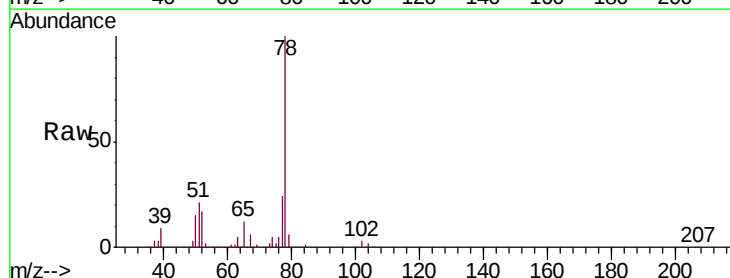
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Tgt Ion: 78 Resp: 1494453



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

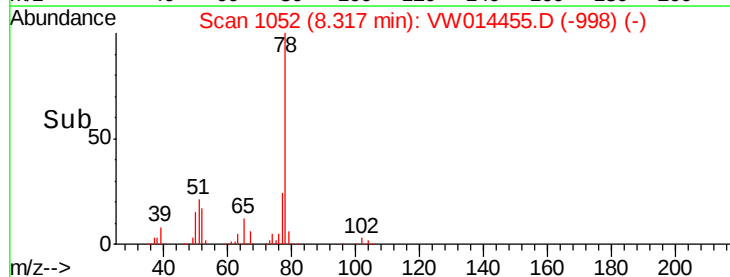
600000

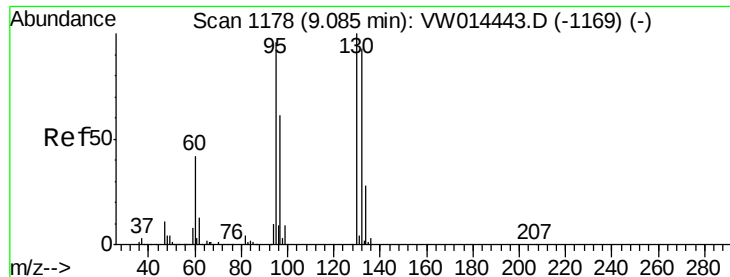
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 25.247 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 95 Resp: 374358

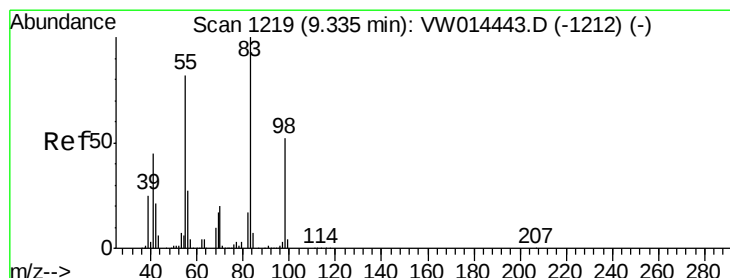
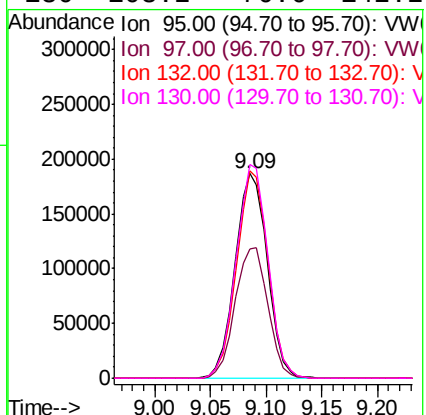
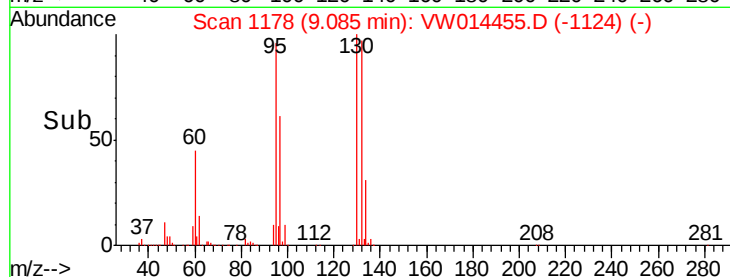
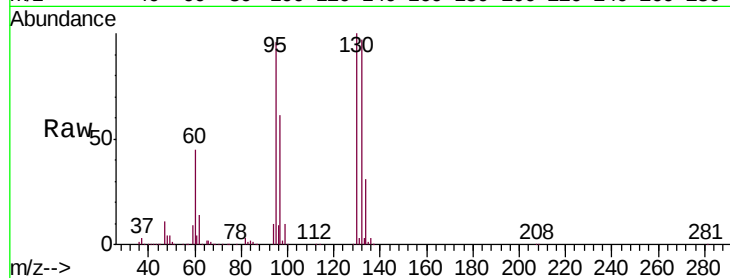
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 98.8 73.7 136.9

130 103.2 76.6 142.2



#36

Methylcyclohexane

Concen: 26.866 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

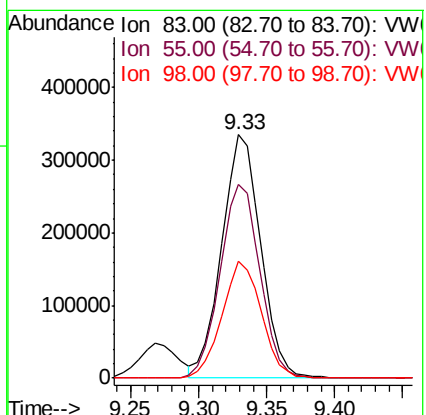
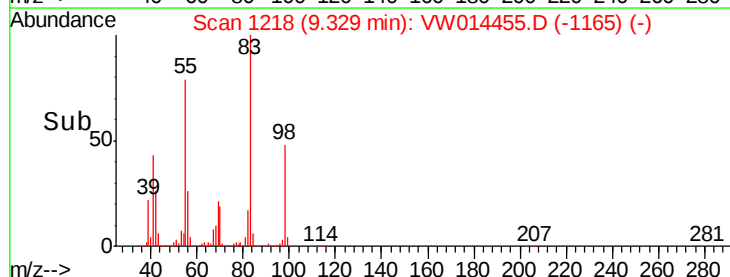
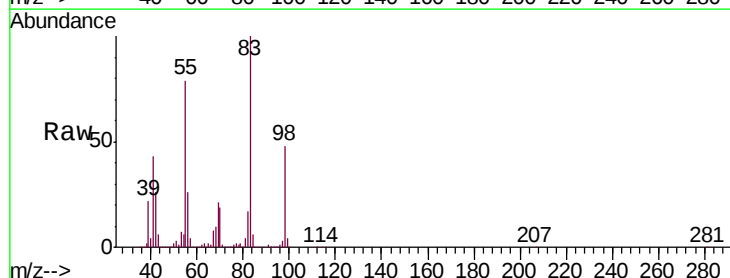
Tgt Ion: 83 Resp: 669395

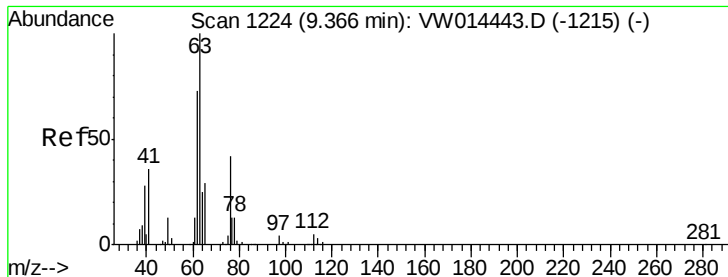
Ion Ratio Lower Upper

83 100

55 81.0 59.8 89.8

98 48.5 39.5 59.3

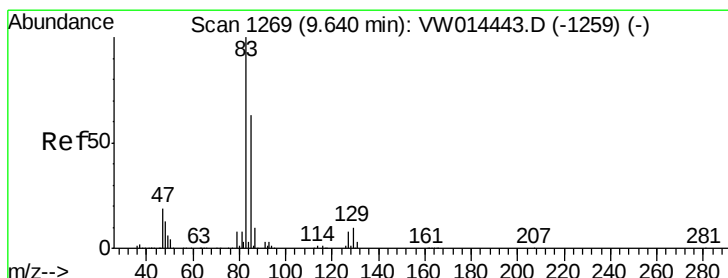
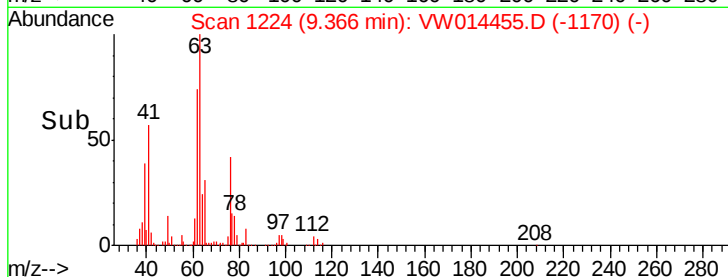
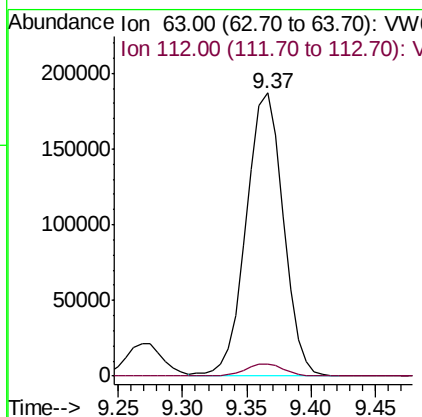
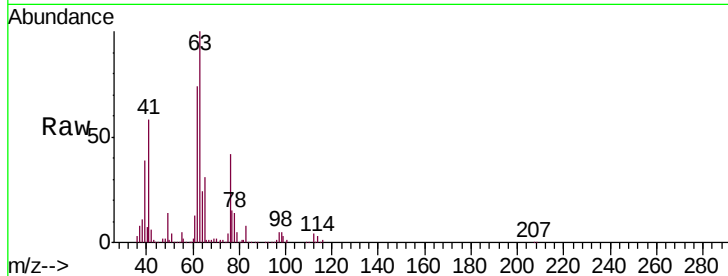




#40
 1,2-Dichloropropane
 Concen: 25.125 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

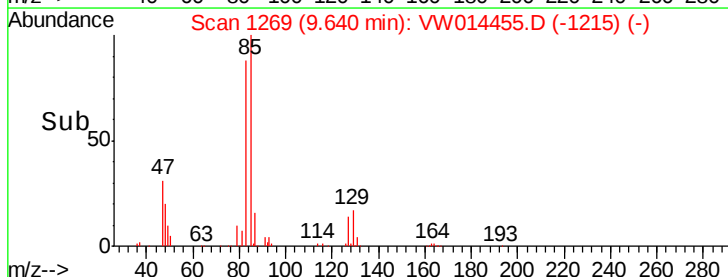
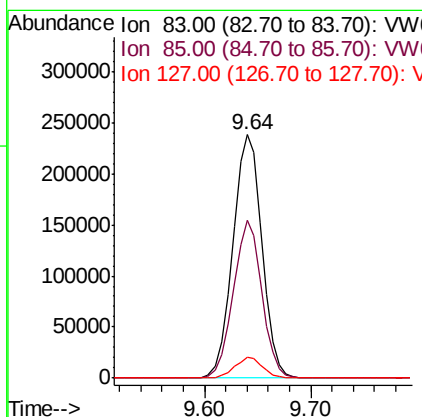
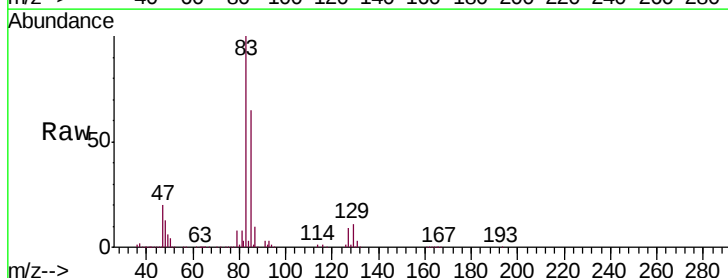
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

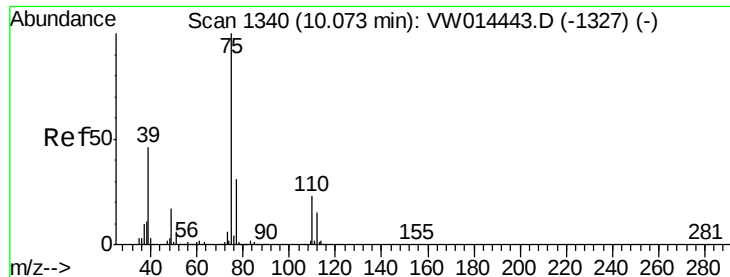
Tgt Ion: 63 Resp: 374070
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.123 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion: 83 Resp: 454566
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.7
 127 8.8 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.370 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

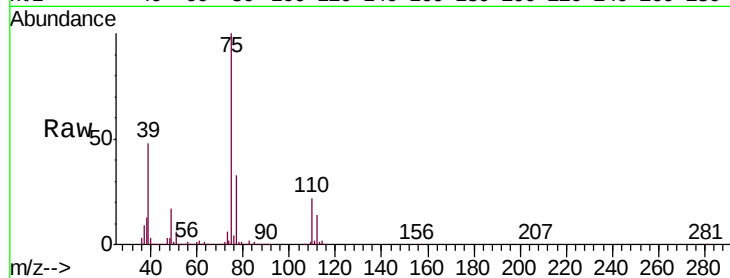
VSTD02528

Tgt Ion: 75 Resp: 565648

Ion Ratio Lower Upper

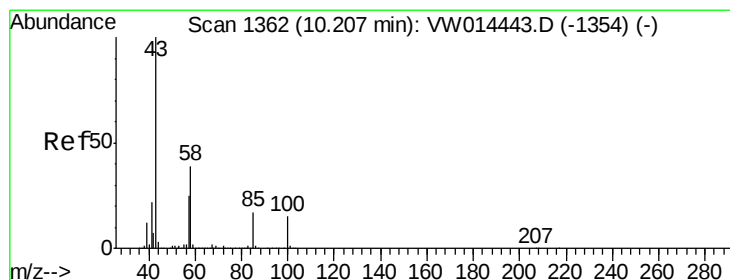
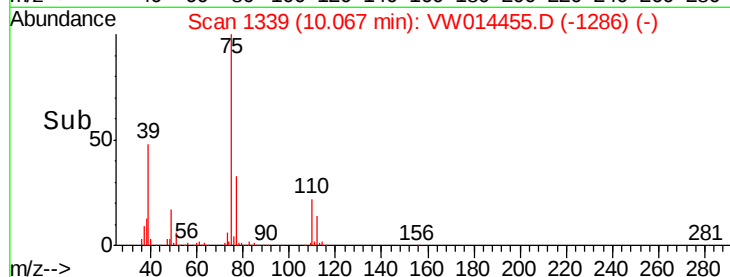
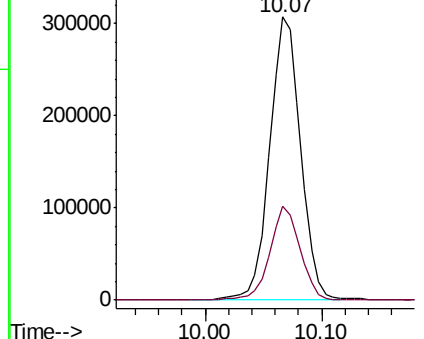
75 100

77 33.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 57.204 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

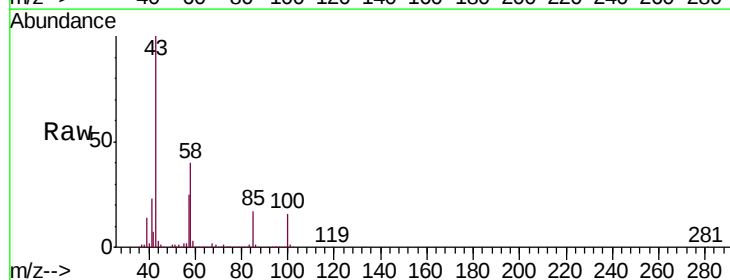
Tgt Ion: 43 Resp: 561605

Ion Ratio Lower Upper

43 100

58 39.4 32.6 49.0

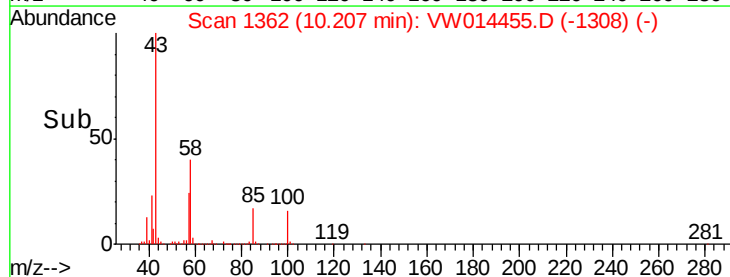
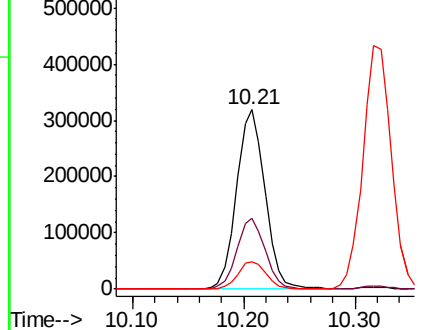
100 15.4 13.8 20.8

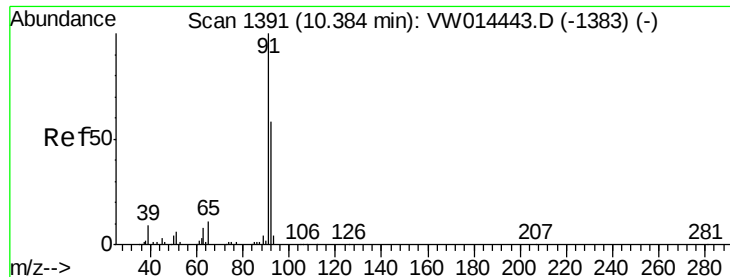


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.661 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampled :

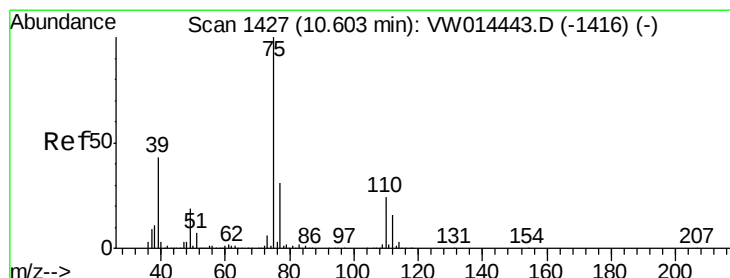
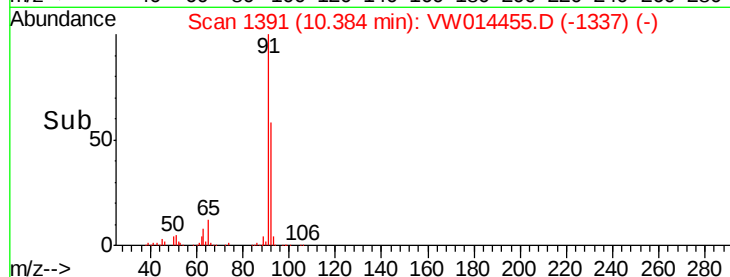
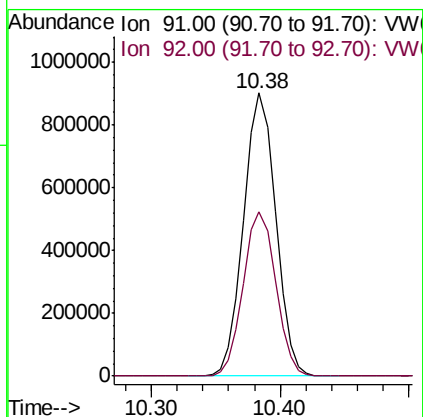
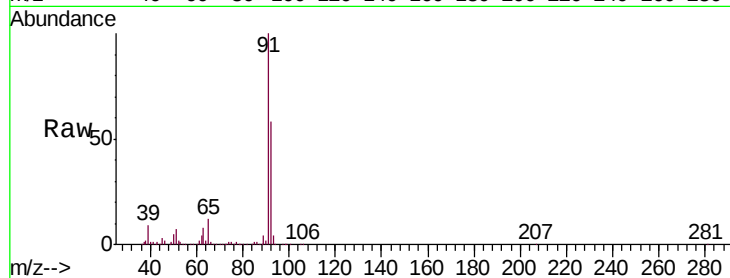
VSTD02528

Tgt Ion: 91 Resp: 1559058

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.567 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014455.D

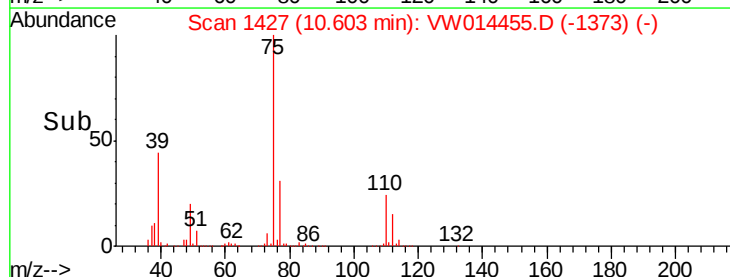
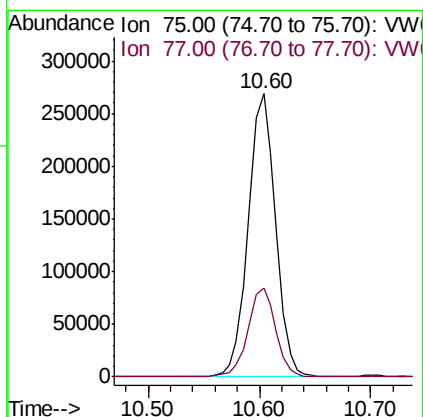
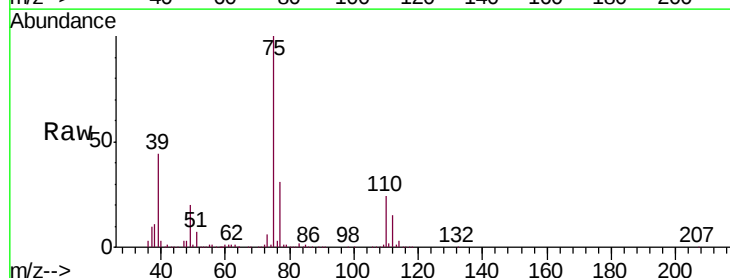
Acq: 19 Dec 2019 10:35

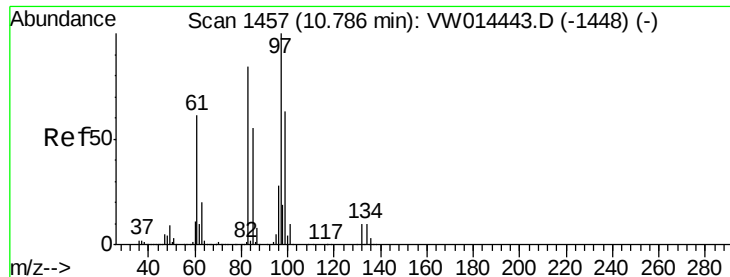
Tgt Ion: 75 Resp: 461445

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.644 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

Tgt Ion: 97 Resp: 274944

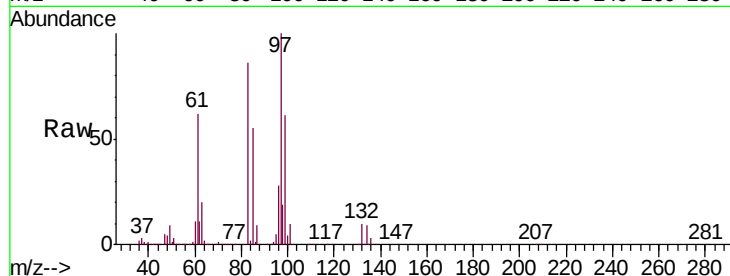
Ion Ratio Lower Upper

97 100

83 85.6 58.9 109.5

85 54.9 38.1 70.9

99 61.2 46.5 86.3

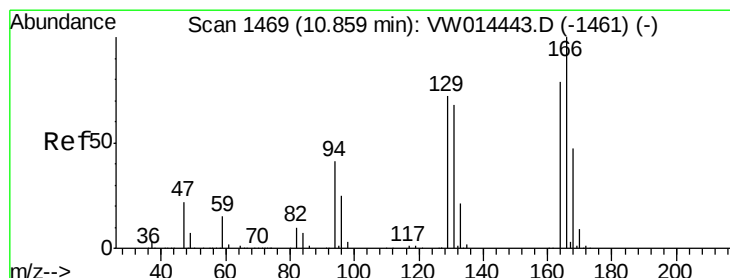
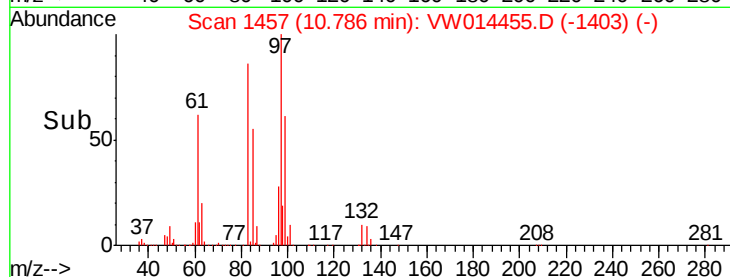
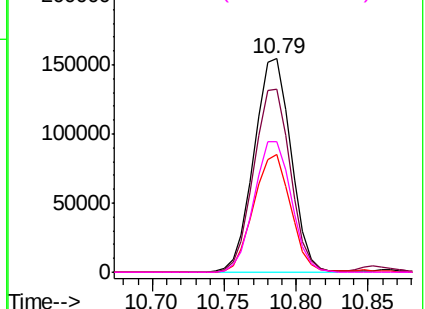


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.195 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Tgt Ion: 164 Resp: 311374

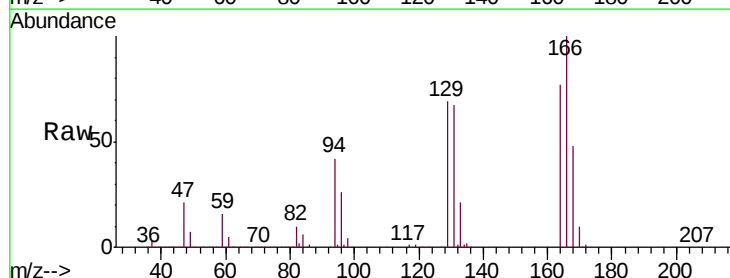
Ion Ratio Lower Upper

164 100

129 90.0 60.6 112.6

131 86.8 59.1 109.7

166 129.7 90.8 168.6

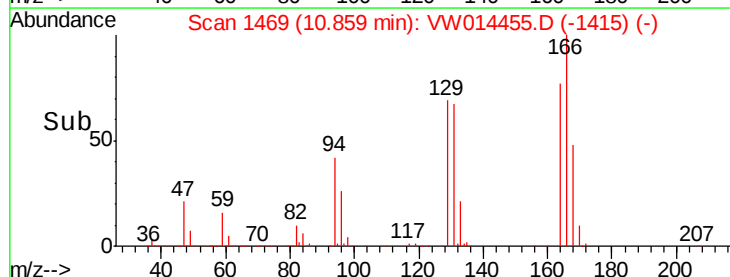
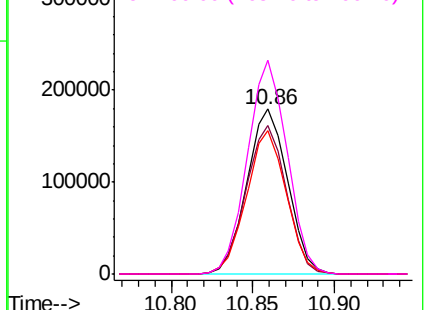


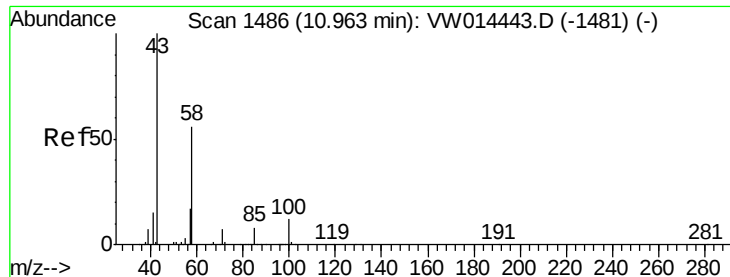
Abundance Ion 164.00 (163.70 to 164.70): V

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

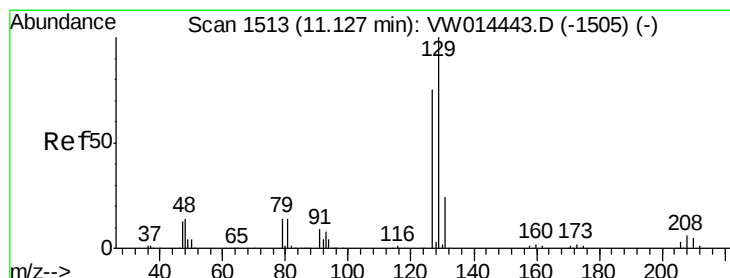
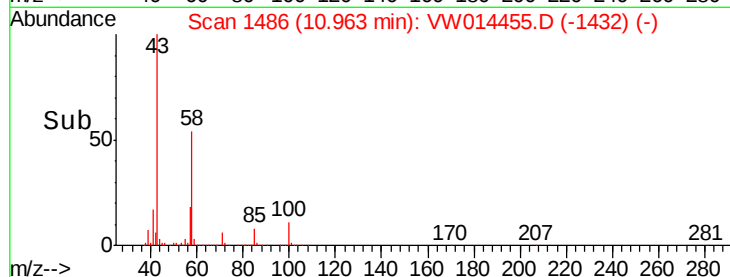
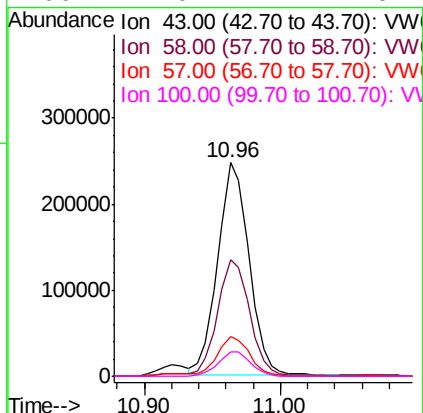
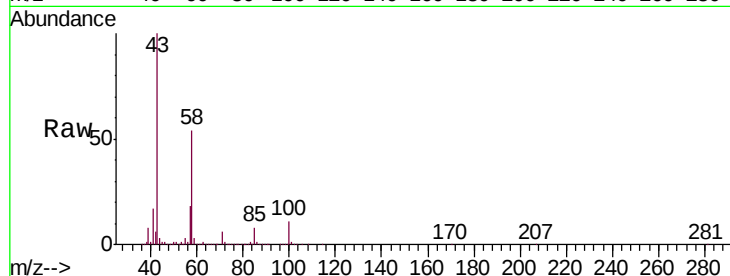




#49
2-Hexanone
Concen: 56.873 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

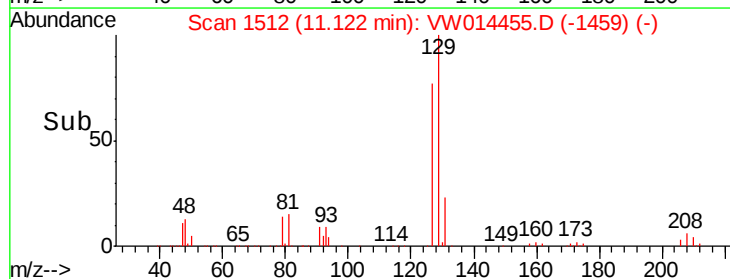
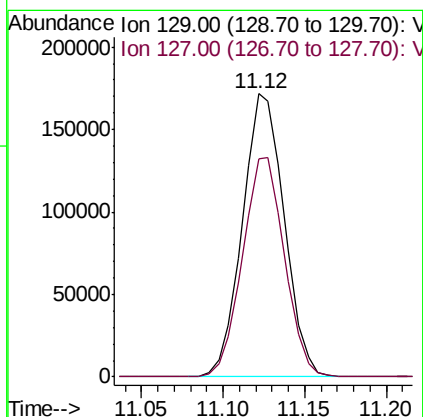
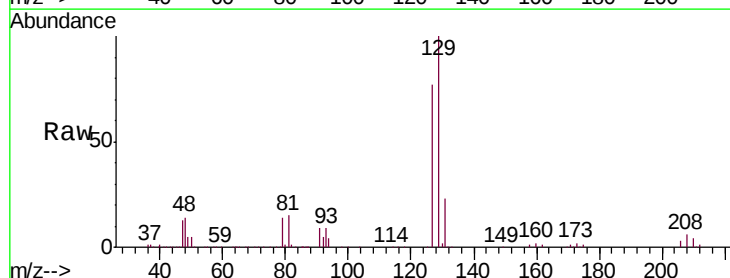
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

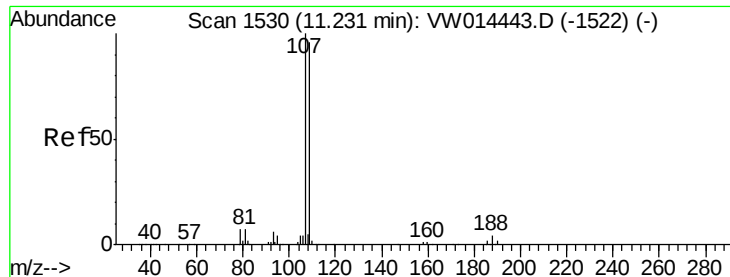
Tgt Ion:	43	Resp:	397518
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.4	66.6
57	19.2	16.5	24.7
100	12.0	11.1	16.7



#50
Dibromochloromethane
Concen: 24.408 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

Tgt Ion:	129	Resp:	305617
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.9	102.1

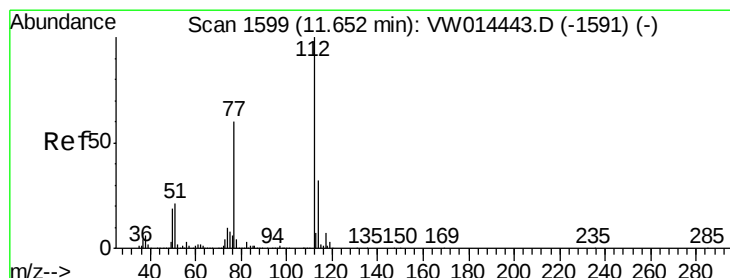
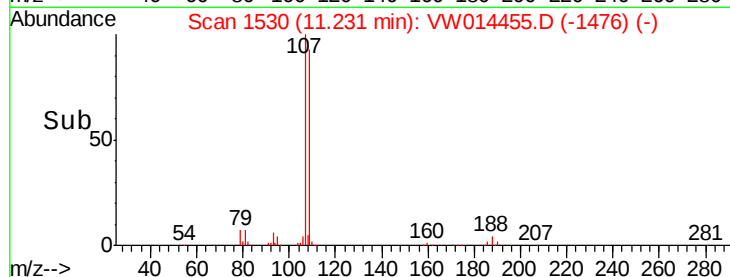
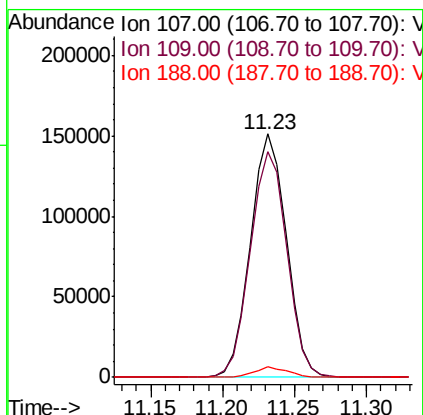
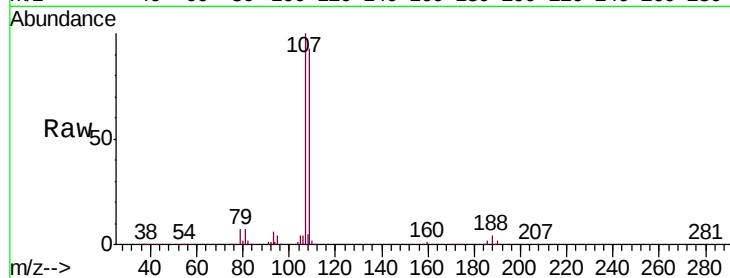




#51
1,2-Dibromoethane
Concen: 24.701 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

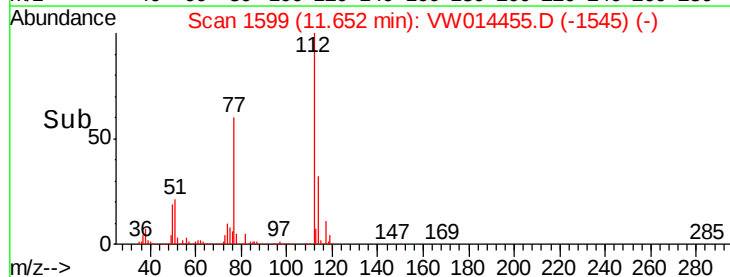
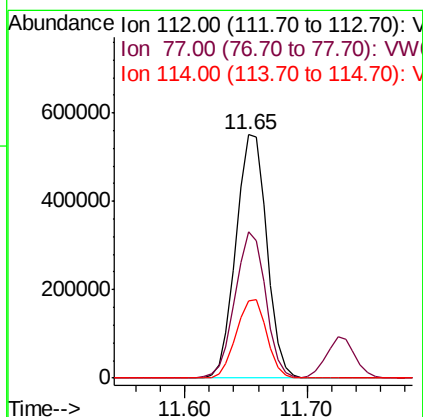
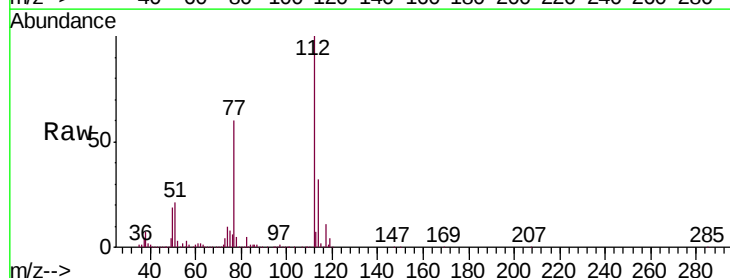
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

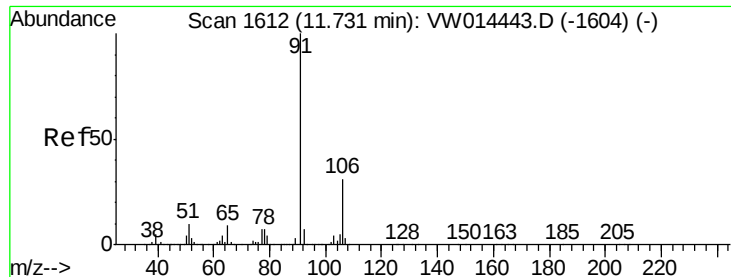
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.6	120.0
188	4.2	3.9	5.9



#52
Chlorobenzene
Concen: 24.501 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014455.D
Acq: 19 Dec 2019 10:35

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





#53

Ethylbenzene

Concen: 26.148 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

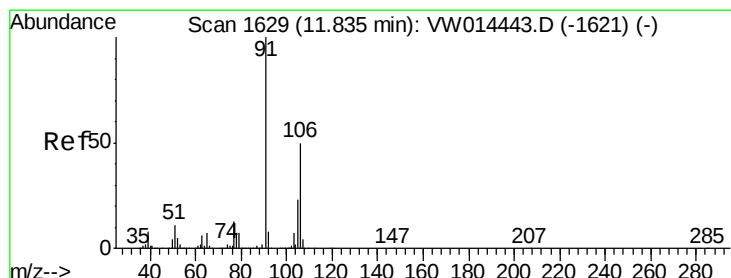
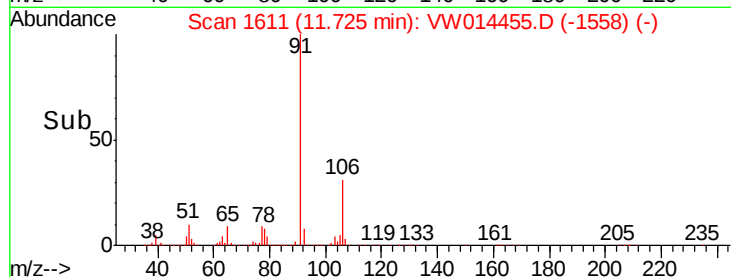
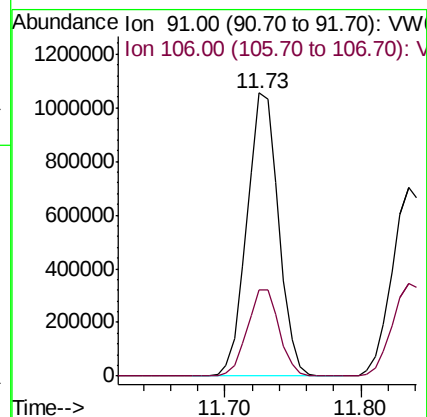
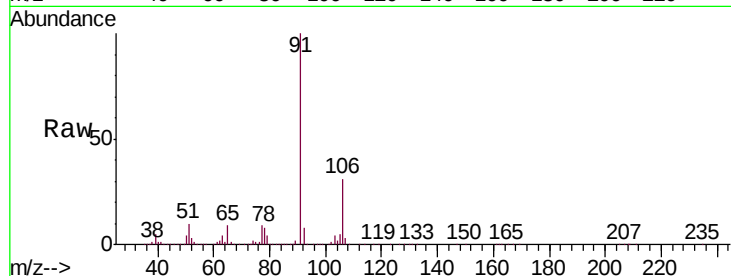
VSTD02528

Tgt Ion: 91 Resp: 1723814

Ion Ratio Lower Upper

91 100

106 30.5 22.3 41.5



#54

m,p-Xylene

Concen: 25.718 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014455.D

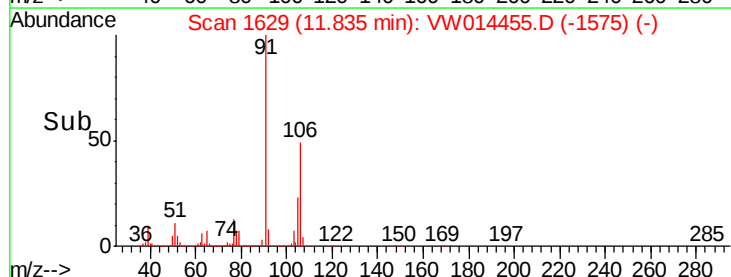
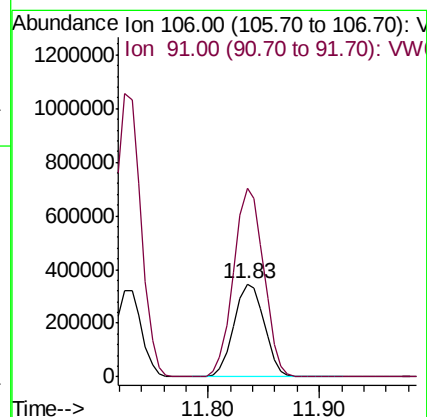
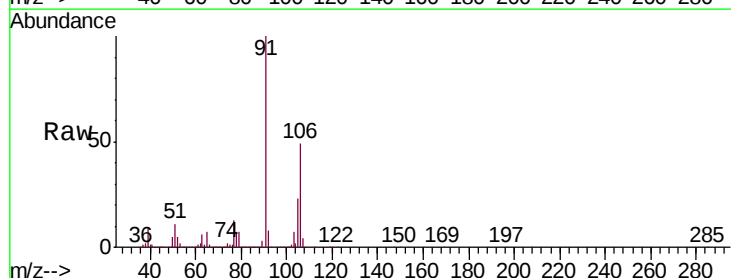
Acq: 19 Dec 2019 10:35

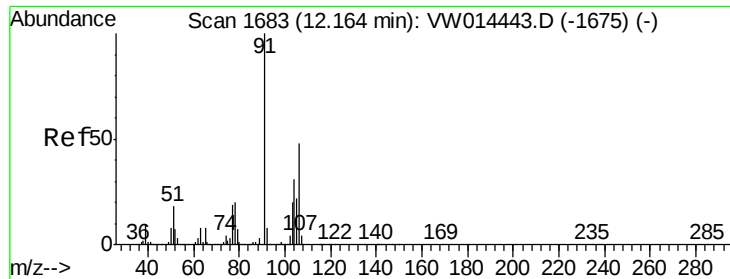
Tgt Ion: 106 Resp: 652209

Ion Ratio Lower Upper

106 100

91 203.1 138.7 257.5





#55

o-xylene

Concen: 25.174 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

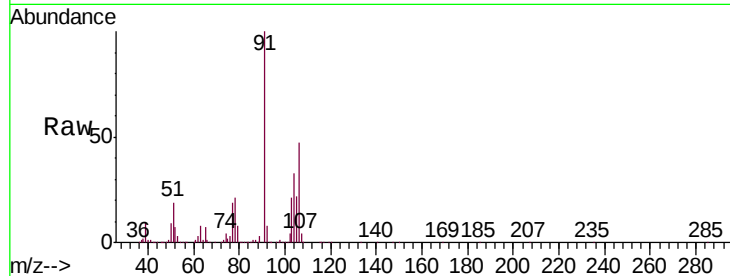
VSTD02528

Tgt Ion:106 Resp: 605523

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

1000000

800000

600000

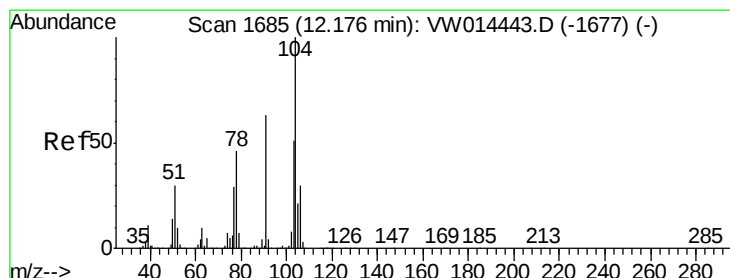
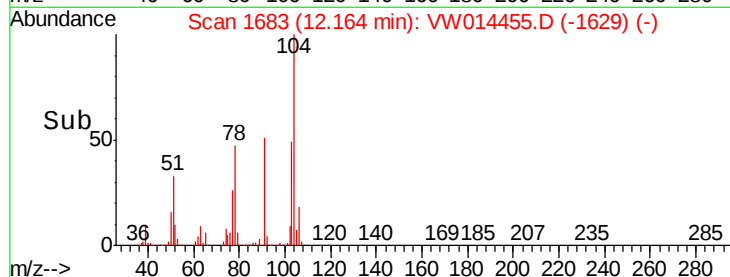
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 25.659 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014455.D

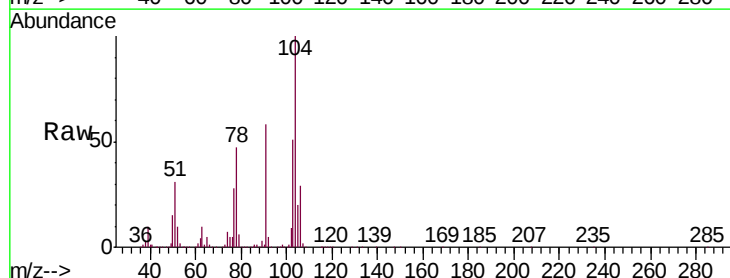
Acq: 19 Dec 2019 10:35

Tgt Ion:104 Resp: 1055894

Ion Ratio Lower Upper

104 100

78 46.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

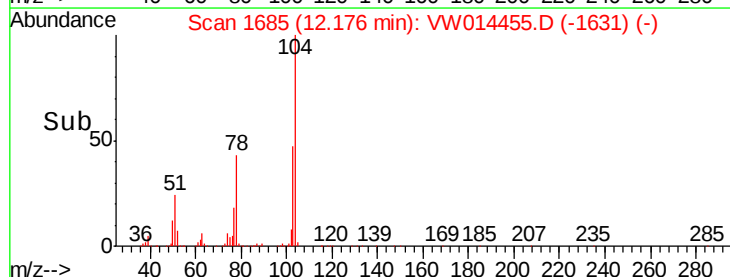
400000

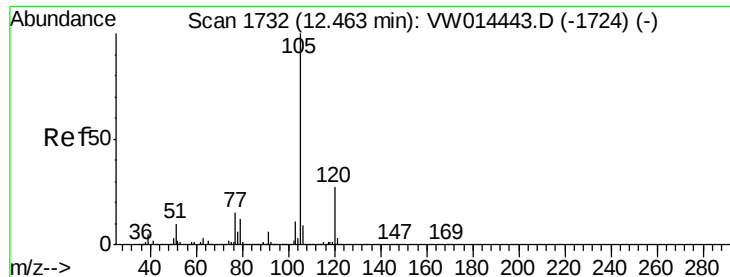
200000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.712 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

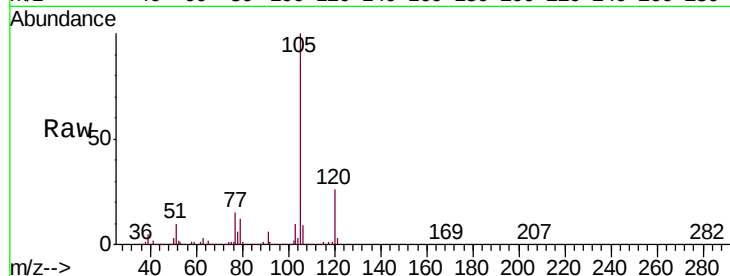
Tgt Ion:105 Resp: 1668089

Ion Ratio Lower Upper

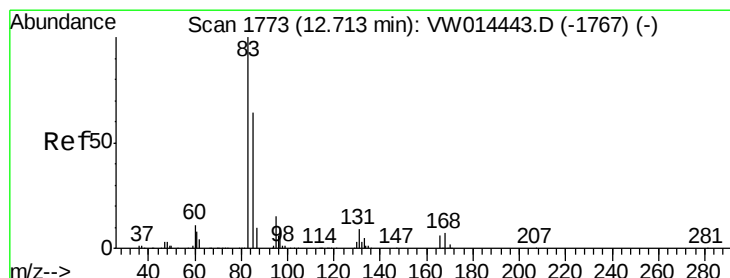
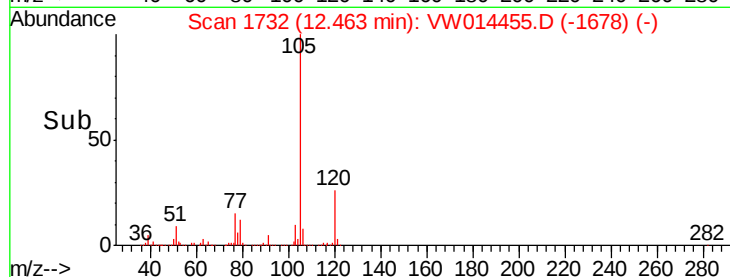
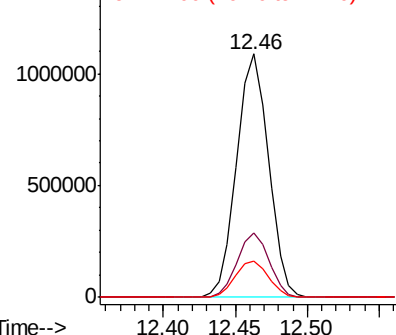
105 100

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: 24.977 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

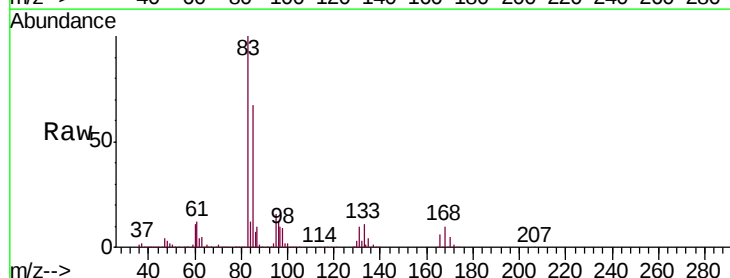
Tgt Ion: 83 Resp: 345863

Ion Ratio Lower Upper

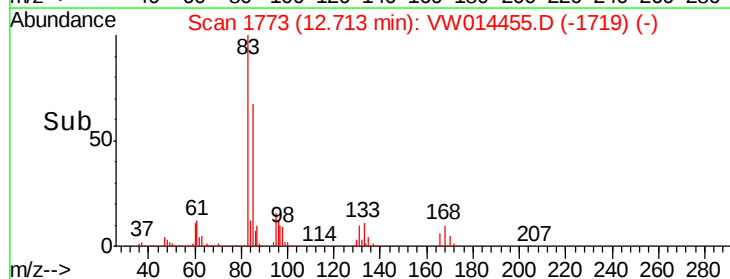
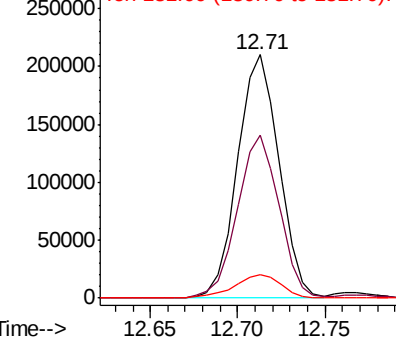
83 100

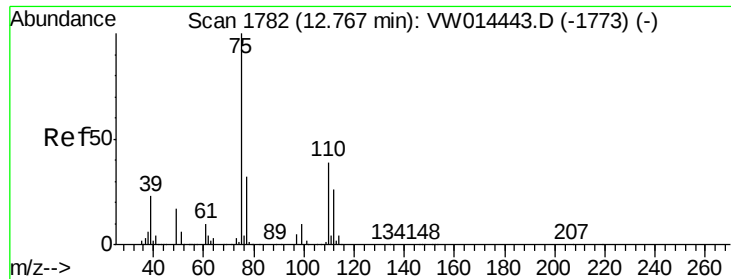
85 66.7 43.7 81.1

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

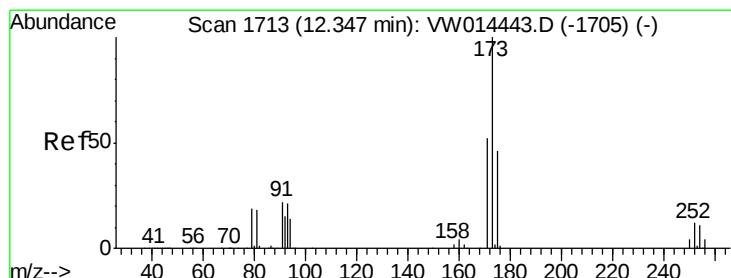
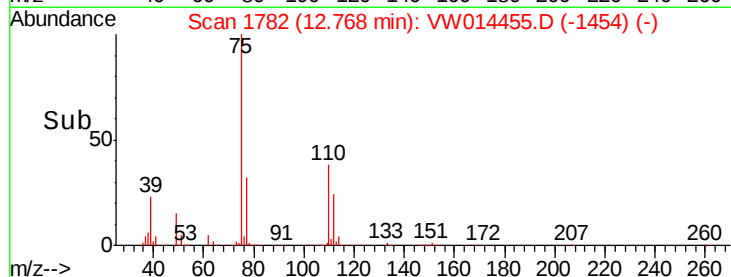
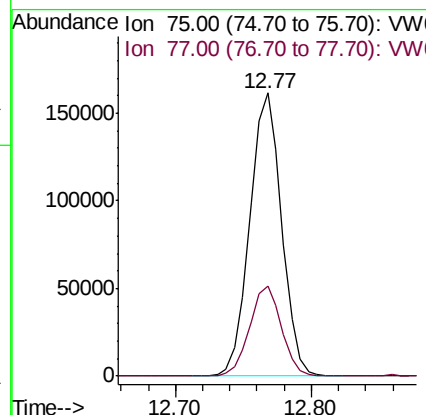
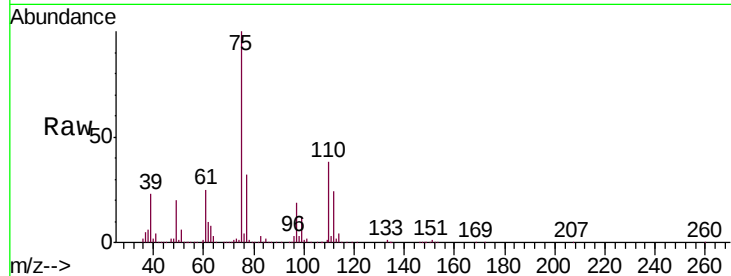




#59
 1,2,3-Trichloropropane
 Concen: 25.696 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

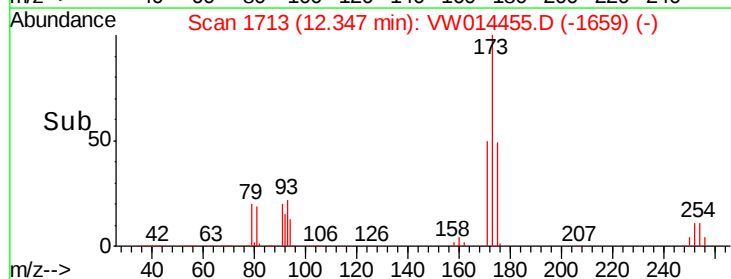
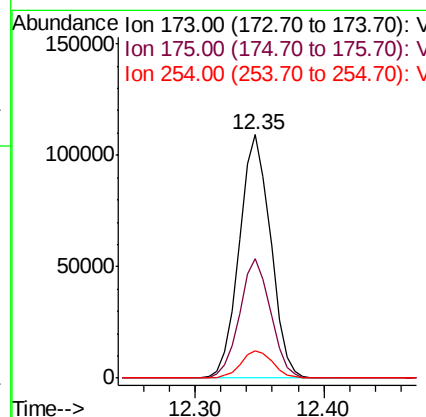
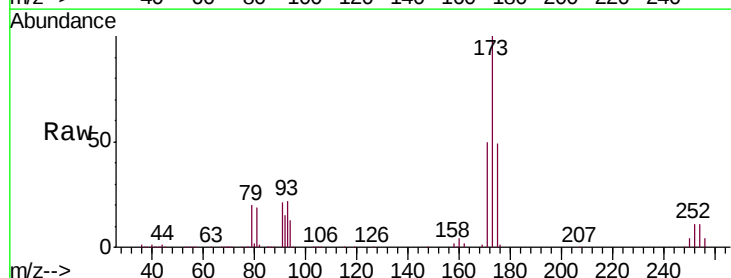
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

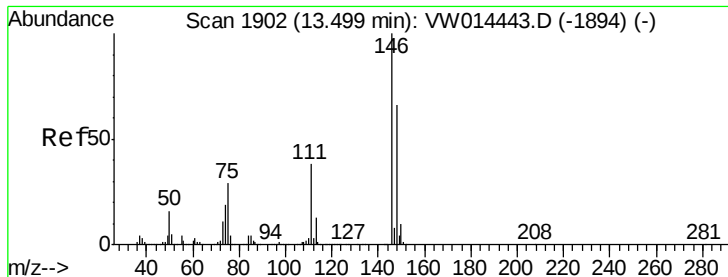
Tgt Ion: 75 Resp: 264395
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.9 38.9



#62
 Bromoform
 Concen: 24.087 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion: 173 Resp: 184133
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 11.4 9.4 14.0

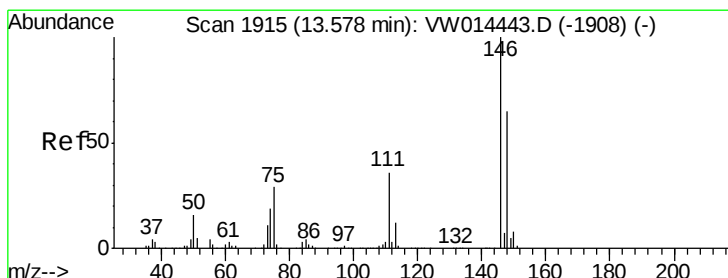
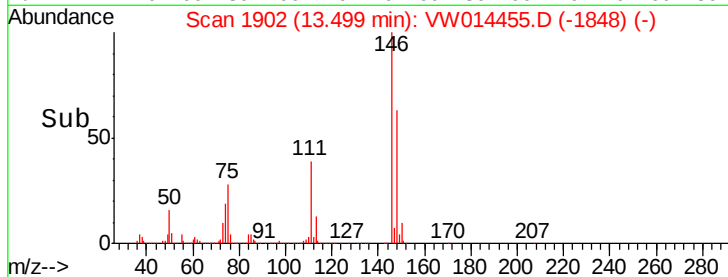
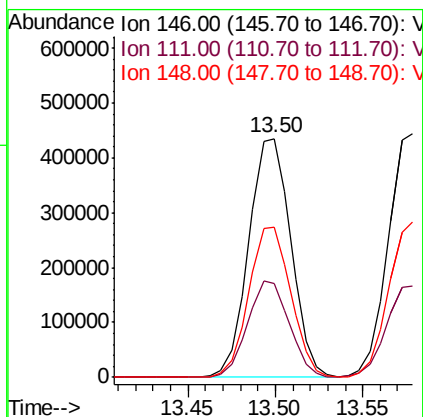
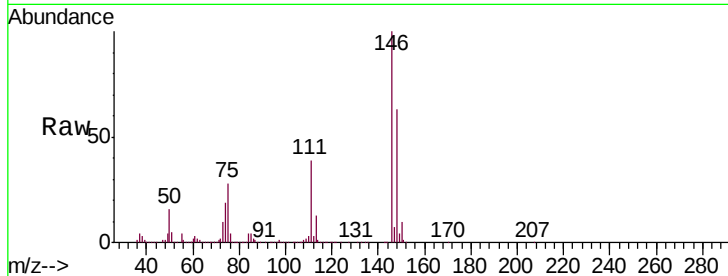




#63
 1,3-Dichlorobenzene
 Concen: 24.111 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

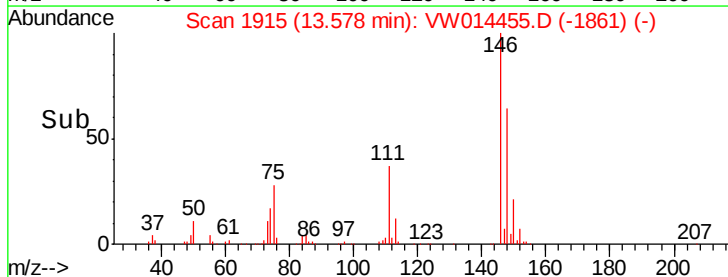
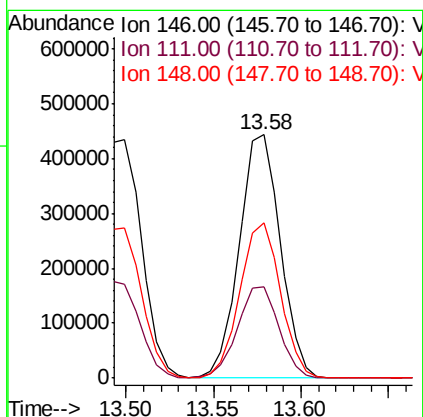
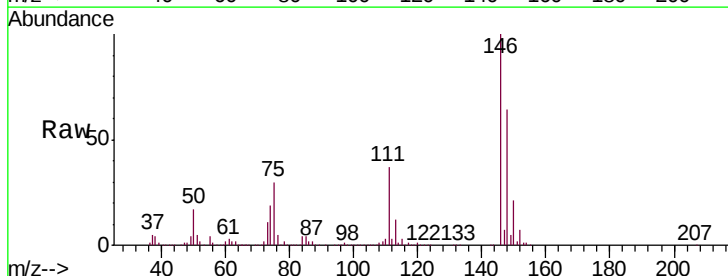
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

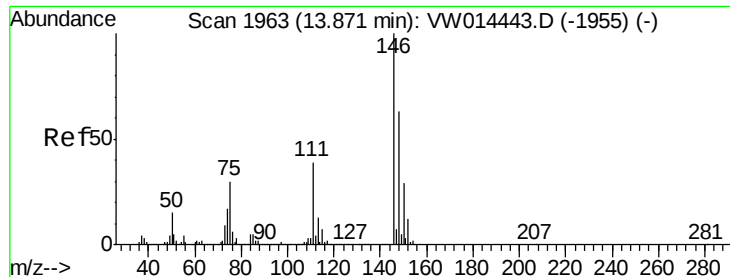
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.0	48.2
148	62.8	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.463 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	24.9	46.3
148	63.6	43.9	81.5

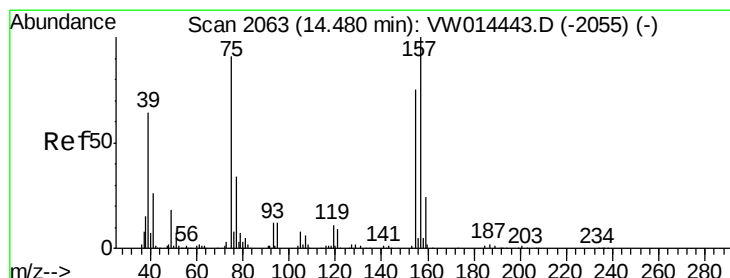
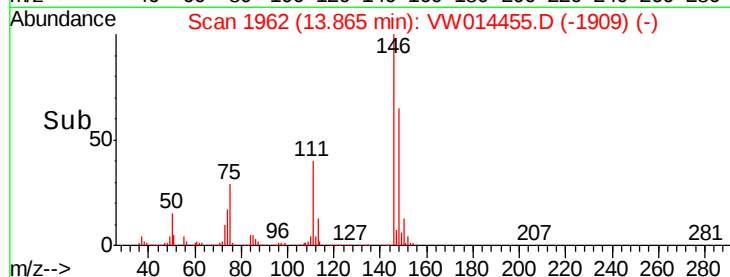
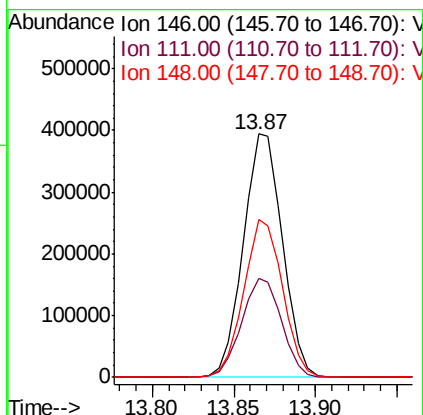
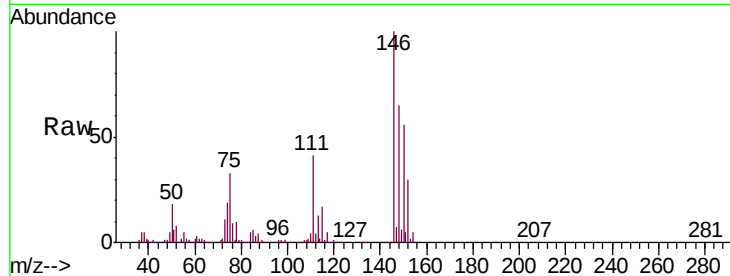




#65
 1,2-Dichlorobenzene
 Concen: 23.430 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

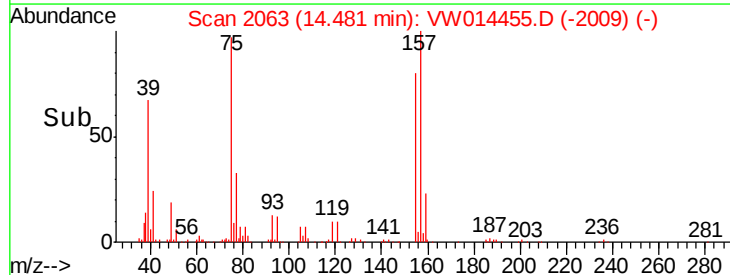
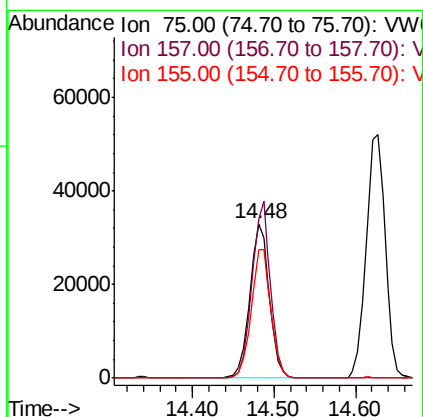
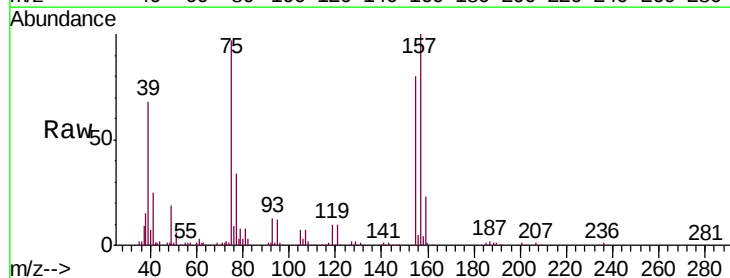
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

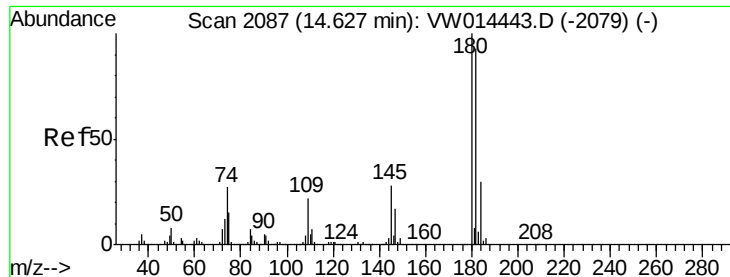
Tgt Ion: 146 Resp: 659608
 Ion Ratio Lower Upper
 146 100
 111 40.8 30.5 45.7
 148 65.1 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.538 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion: 75 Resp: 55462
 Ion Ratio Lower Upper
 75 100
 157 103.3 96.9 145.3
 155 82.9 82.9 124.3

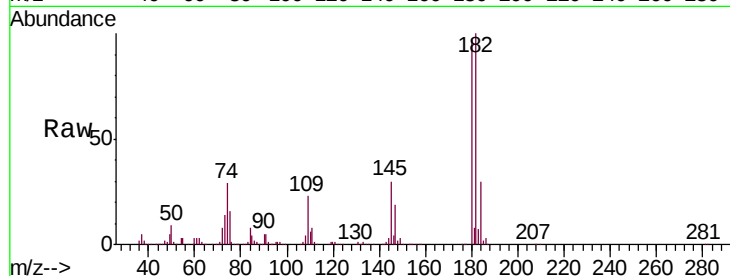




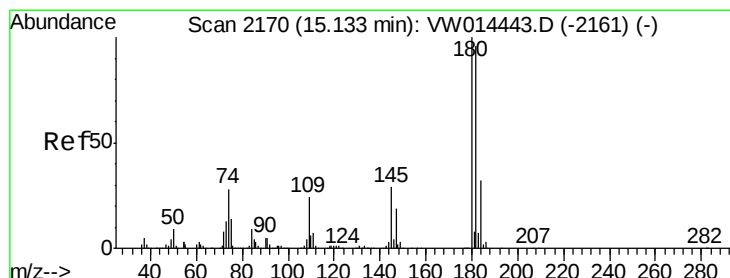
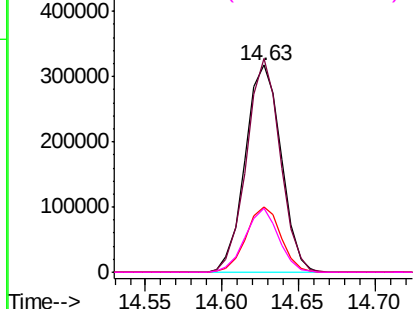
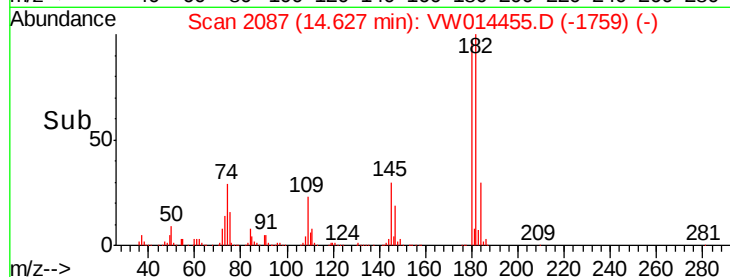
#67
 1,3,5-Trichlorobenzene
 Concen: 23.830 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion:	180	Resp:	519048
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
184	30.7	24.3	36.5
145	28.6	21.9	32.9

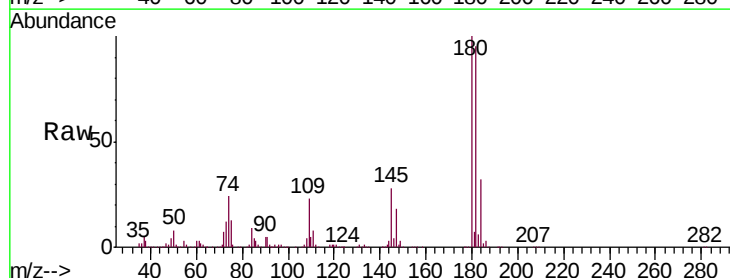


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

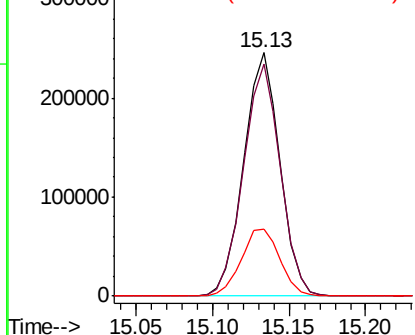
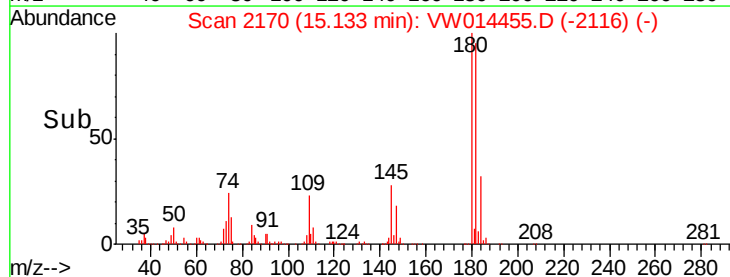


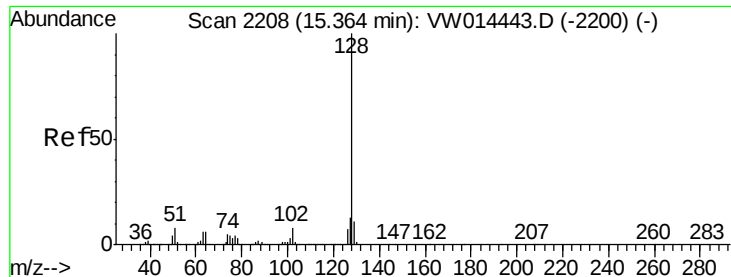
#68
 1,2,4-trichlorobenzene
 Concen: 23.799 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014455.D
 Acq: 19 Dec 2019 10:35

Tgt Ion:	180	Resp:	404103
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
145	29.4	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: 24.875 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

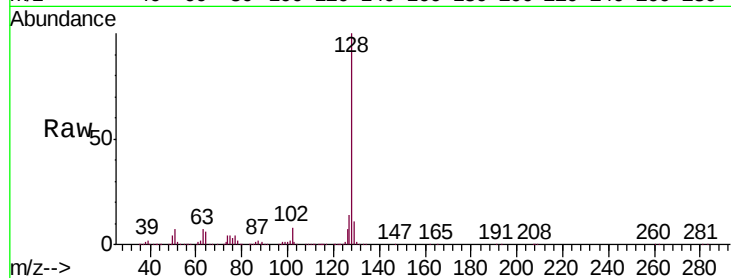
Tgt Ion:128 Resp: 794301

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.2 10.4 15.6

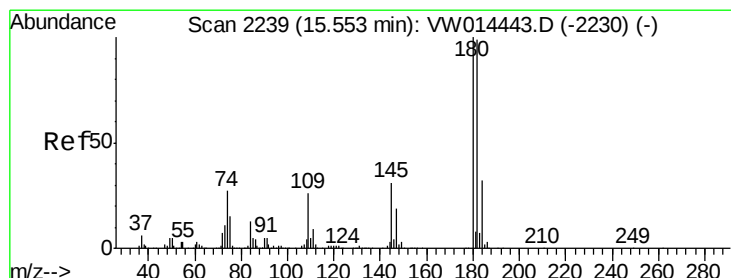
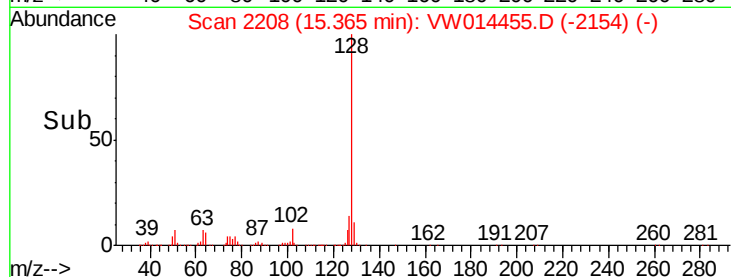
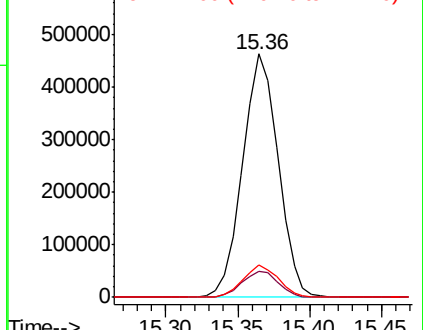


Abundance

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: 23.246 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014455.D

Acq: 19 Dec 2019 10:35

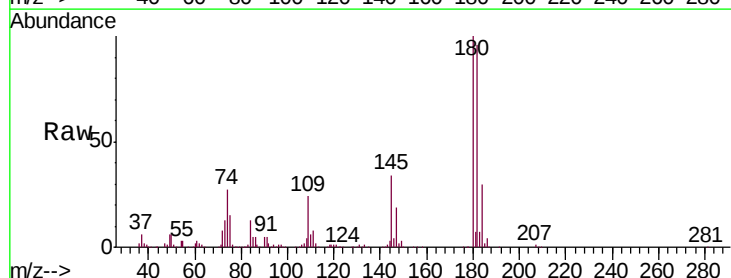
Tgt Ion:180 Resp: 370152

Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.6

145 31.6 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

