

Data File : VW007915.D
Acq On : 26 Dec 2018 09:51
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Dec 26 10:32:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 08:03:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	92280	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	83351	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	40873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23802	39.60	ug/L	0.00
7) Chloroethane-d5	2.90	69	16181	31.79	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	61243	29.54	ug/L	0.00
20) 2-Butanone-d5	7.08	46	18867	49.80	ug/L	0.00
24) Chloroform-d	7.65	84	58280	26.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	35001	28.25	ug/L	0.00
29) Benzene-d6	8.27	84	111810	24.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30397	23.53	ug/L	0.00
37) Toluene-d8	10.32	98	109161	25.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	17243	26.11	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	15847	50.96	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29182	24.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	38300	26.64	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25451	25.254	ug/L	94
3) Chloromethane	2.22	50	19595	24.289	ug/L	98
5) Vinyl chloride	2.37	62	26790	35.198	ug/L	95
6) Bromomethane	2.79	94	15537	29.513	ug/L	97
8) Chloroethane	2.93	64	13459	29.376	ug/L	100
9) Trichlorofluoromethane	3.26	101	21492	24.599	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	29735	25.530	ug/L	97
12) 1,1-Dichloroethene	4.03	96	27869	25.716	ug/L	97
13) Acetone	4.12	43	20528	46.596	ug/L	99
14) Carbon disulfide	4.37	76	90013	28.447	ug/L	99
15) Methyl Acetate	4.67	43	15134	22.909	ug/L #	89
16) Methylene chloride	4.91	84	34427	23.089	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	49440	28.056	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	30072	25.865	ug/L	96
19) 1,1-Dichloroethane	6.21	63	49594	25.025	ug/L	97
21) 2-Butanone	7.17	43	22405	47.316	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	31457	24.587	ug/L	99
23) Bromochloromethane	7.51	128	14145	24.252	ug/L	96
25) Chloroform	7.67	83	55617	25.937	ug/L	100
27) 1,2-Dichloroethane	8.40	62	41267	26.922	ug/L #	95
30) Cyclohexane	7.95	56	49170	24.590	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	50794	25.892	ug/L	99
32) Carbon tetrachloride	8.07	117	49681	26.206	ug/L	99
34) Benzene	8.32	78	116208	24.323	ug/L	100
35) Trichloroethene	9.09	95	33325	24.325	ug/L	99
36) Methylcyclohexane	9.34	83	58649	24.799	ug/L	100
40) 1,2-Dichloropropane	9.37	63	27234	23.304	ug/L	100
41) Bromodichloromethane	9.65	83	40211	23.963	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	46626	23.757	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	42994	46.480	ug/L	98

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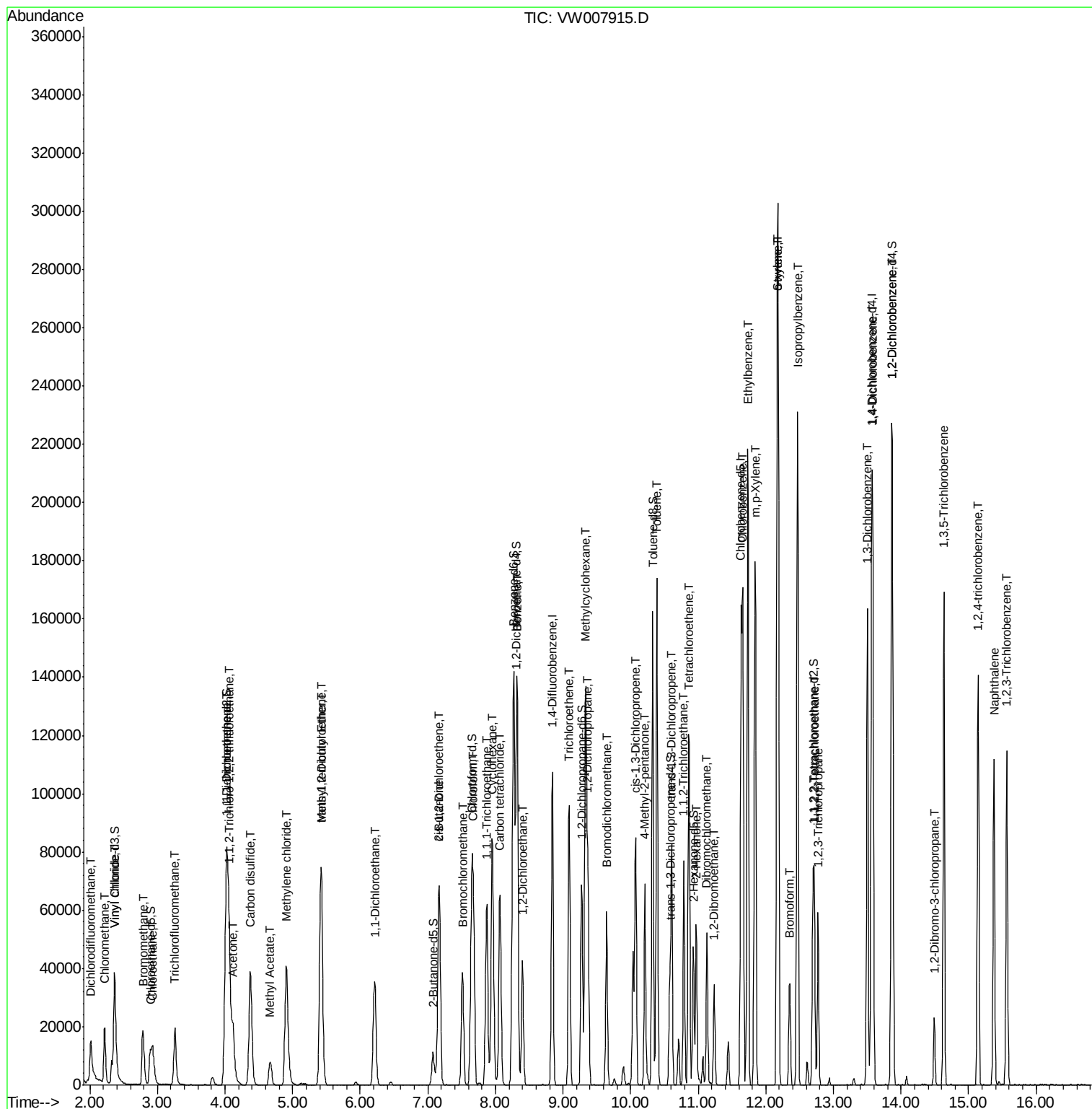
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	129463	25.141	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	44365	25.740	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	23185	24.093	ug/L	94
47) Tetrachloroethene	10.87	164	27018	26.108	ug/L	96
49) 2-Hexanone	10.97	43	30999	47.682	ug/L	99
50) Dibromochloromethane	11.13	129	28833	24.390	ug/L	97
51) 1,2-Dibromoethane	11.24	107	23915	24.745	ug/L	94
52) Chlorobenzene	11.66	112	83522	24.991	ug/L	94
53) Ethylbenzene	11.73	91	149541	25.826	ug/L	96
54) m,p-Xylene	11.84	106	56429	25.654	ug/L	85
55) o-xylene	12.17	106	53634	25.802	ug/L	92
56) Styrene	12.18	104	91568	25.698	ug/L	94
57) Isopropylbenzene	12.47	105	151824	26.169	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	28205	23.643	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	23305	24.680	ug/L	98
62) Bromoform	12.35	173	16739	23.914	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	67287	25.625	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	67685	25.856	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	61085	25.994	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	6054	24.323	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	49963	26.267	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	42439	25.879	ug/L	99
69) Naphthalene	15.38	128	99067	24.440	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	37898	25.420	ug/L	98

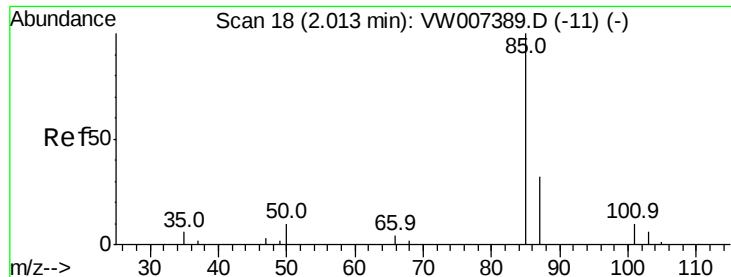
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.254 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

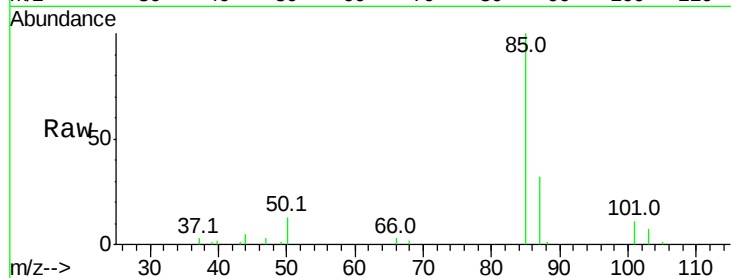
VSTD02583

Tgt Ion: 85 Resp: 25451

Ion Ratio Lower Upper

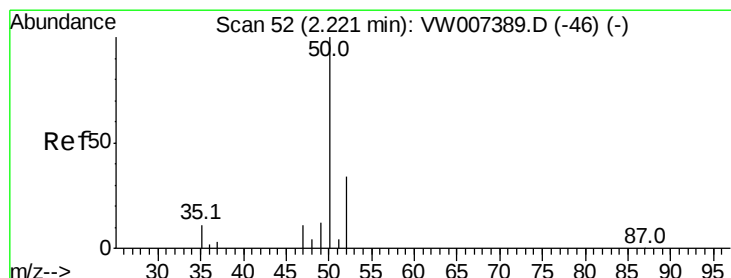
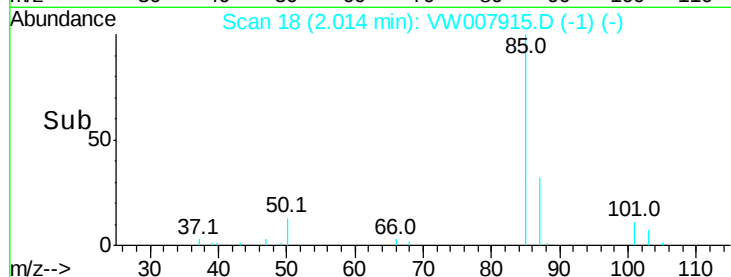
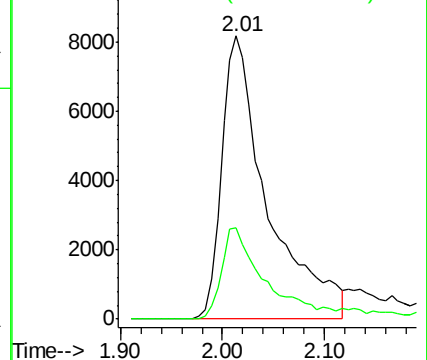
85 100

87 29.5 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.289 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007915.D

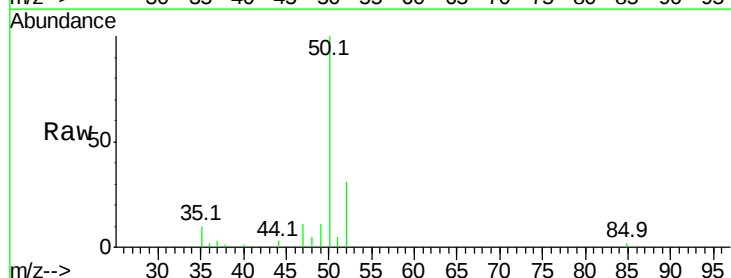
Acq: 26 Dec 2018 09:51

Tgt Ion: 50 Resp: 19595

Ion Ratio Lower Upper

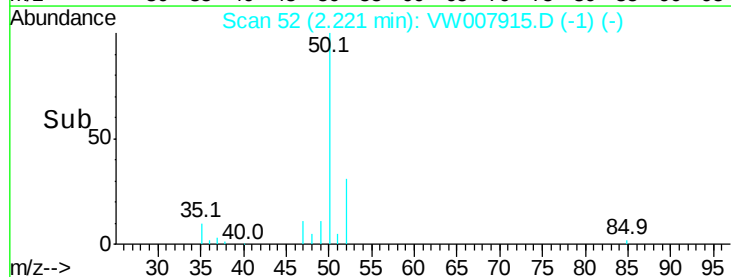
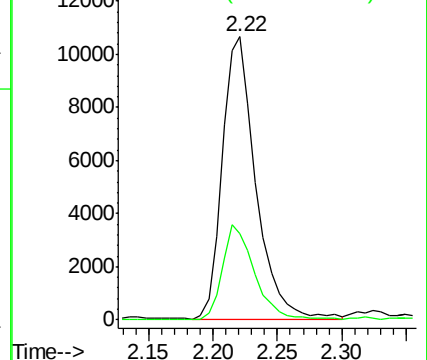
50 100

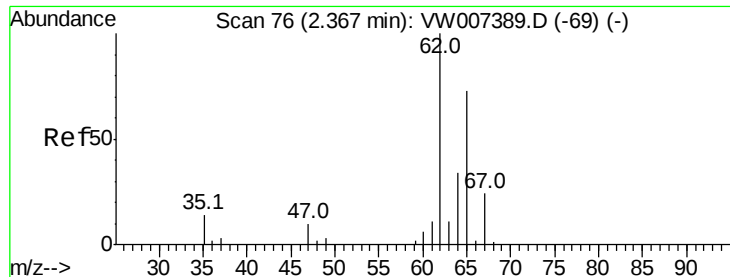
52 30.6 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 35.198 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

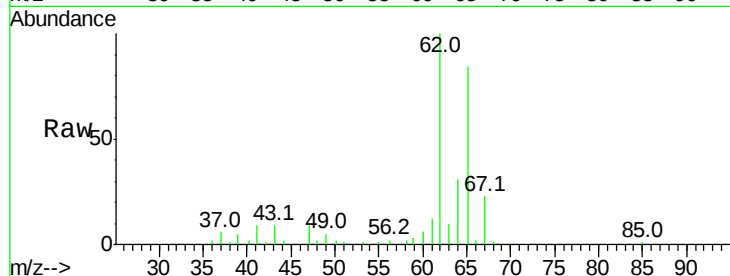
VSTD02583

Tgt Ion: 62 Resp: 26790

Ion Ratio Lower Upper

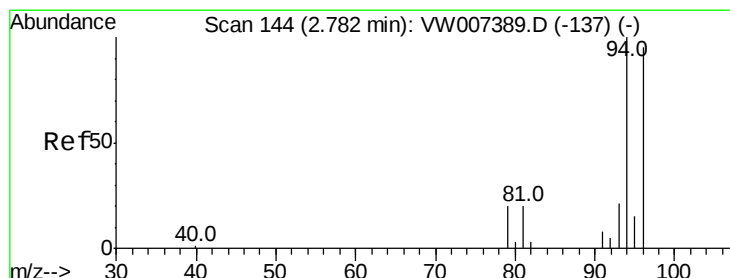
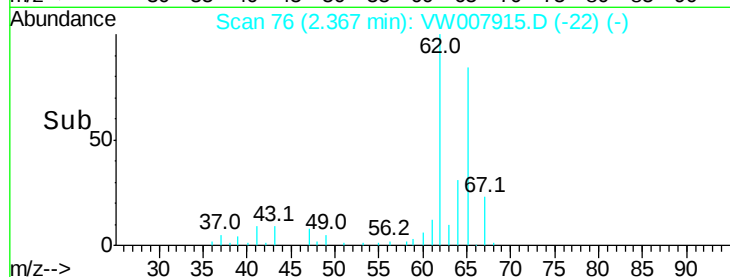
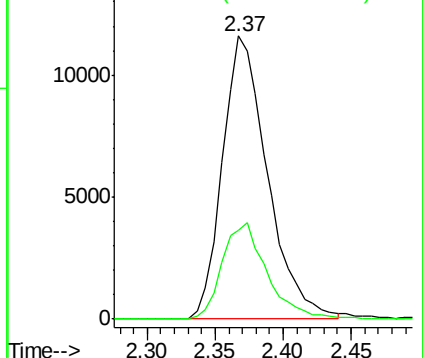
62 100

64 31.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 29.513 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007915.D

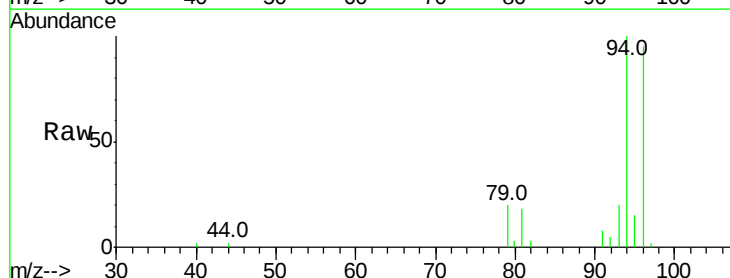
Acq: 26 Dec 2018 09:51

Tgt Ion: 94 Resp: 15537

Ion Ratio Lower Upper

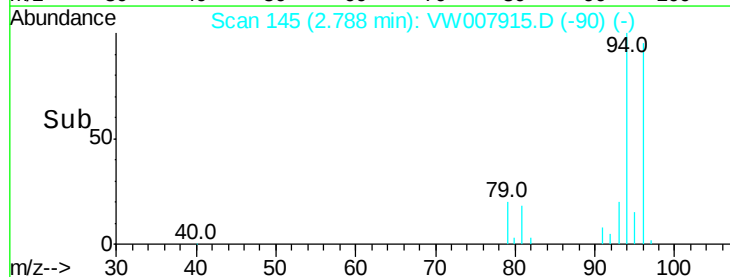
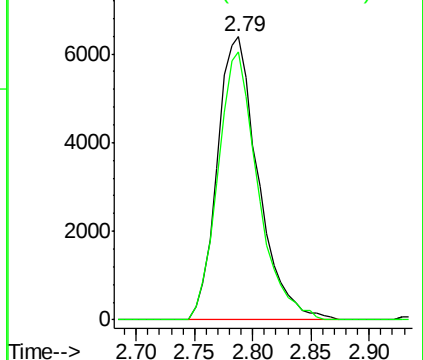
94 100

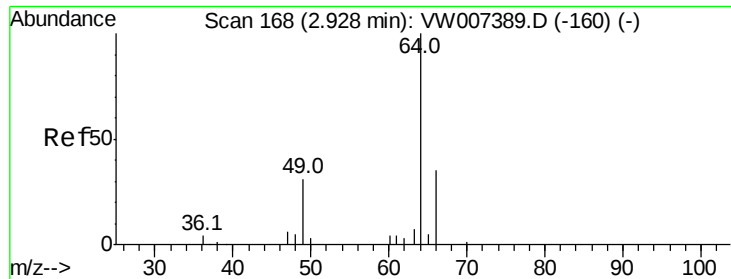
96 92.3 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 29.376 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

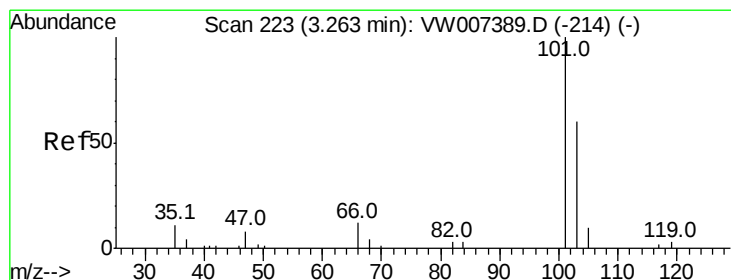
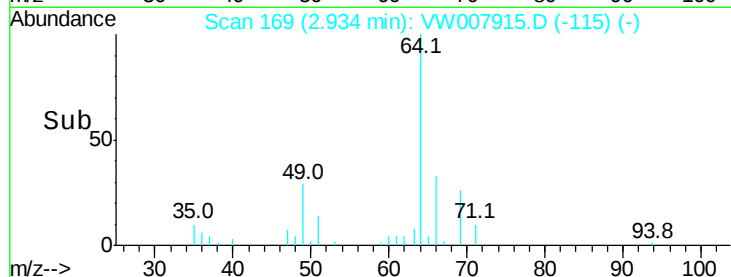
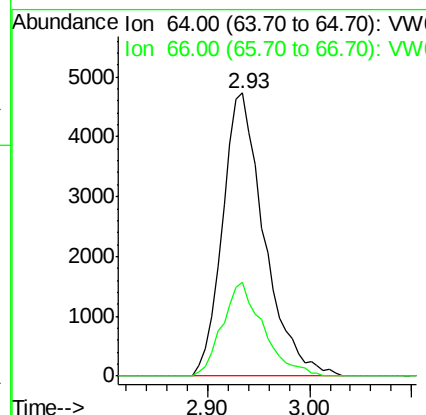
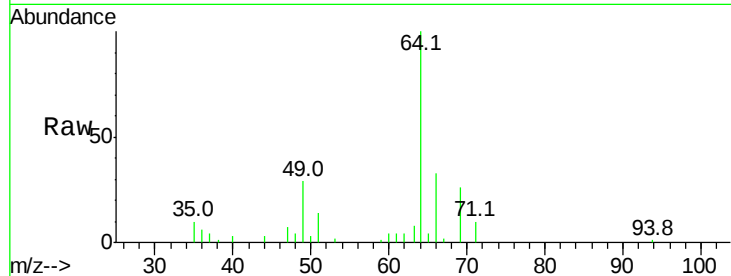
VSTD02583

Tgt Ion: 64 Resp: 13459

Ion Ratio Lower Upper

64 100

66 33.3 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.599 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW007915.D

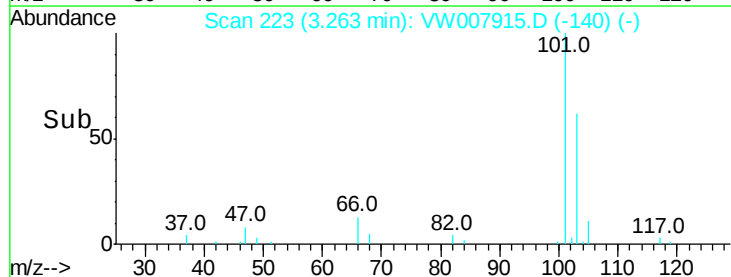
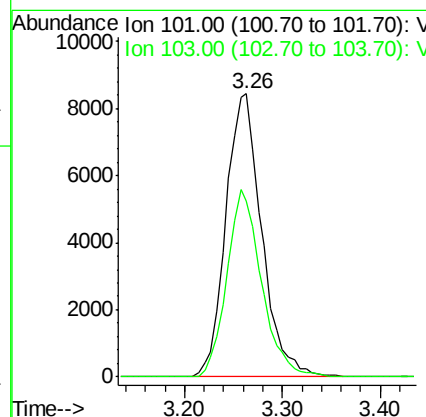
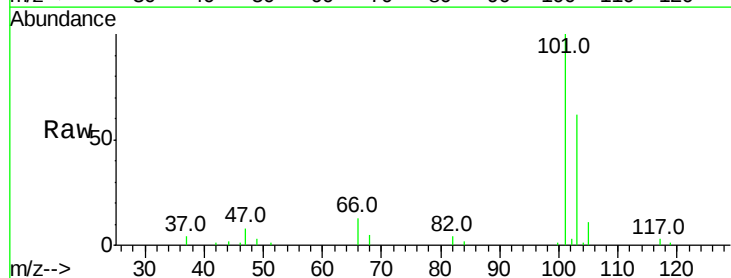
Acq: 26 Dec 2018 09:51

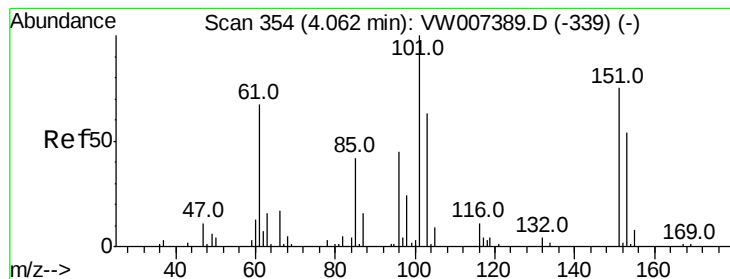
Tgt Ion: 101 Resp: 21492

Ion Ratio Lower Upper

101 100

103 63.9 44.7 82.9





#11

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

Concen: 25.530 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

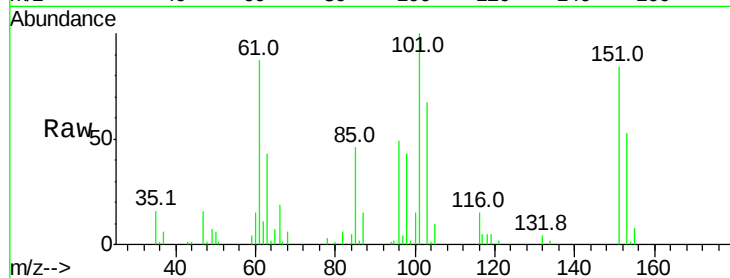
Tgt Ion:101 Resp: 29735

Ion Ratio Lower Upper

101 100

85 41.8 35.4 53.2

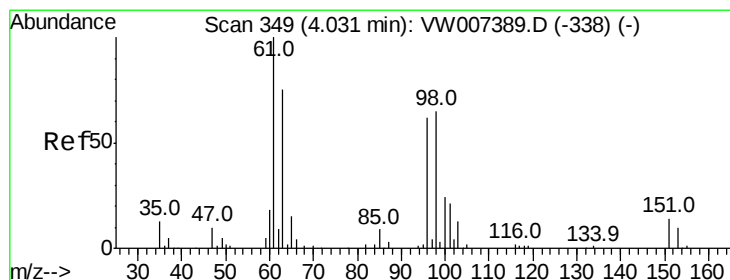
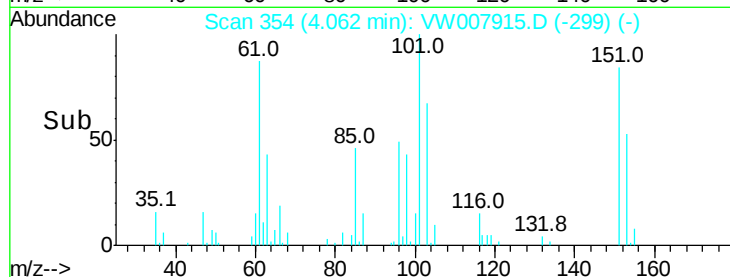
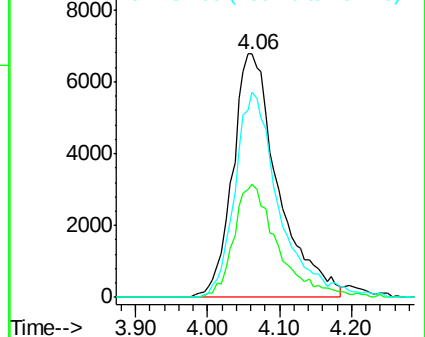
151 79.0 64.8 97.2



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: 25.716 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

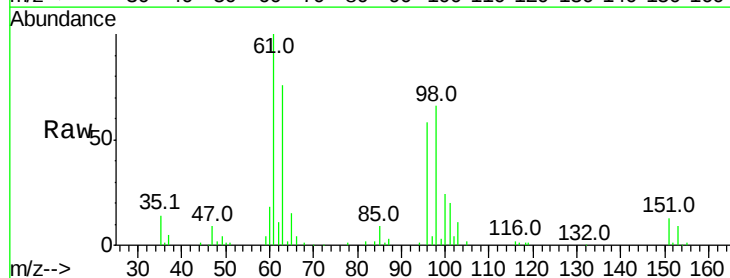
Tgt Ion: 96 Resp: 27869

Ion Ratio Lower Upper

96 100

61 171.8 117.2 217.8

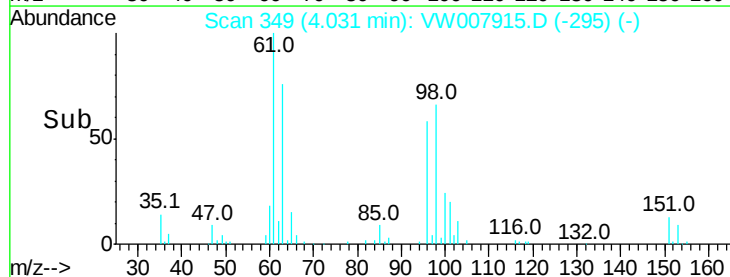
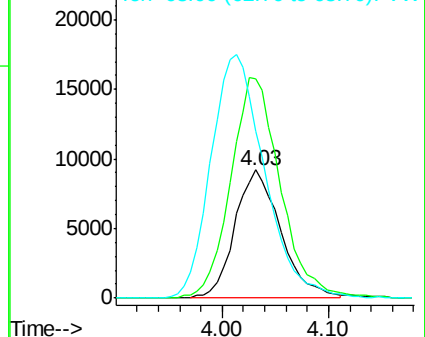
63 130.8 89.7 166.7

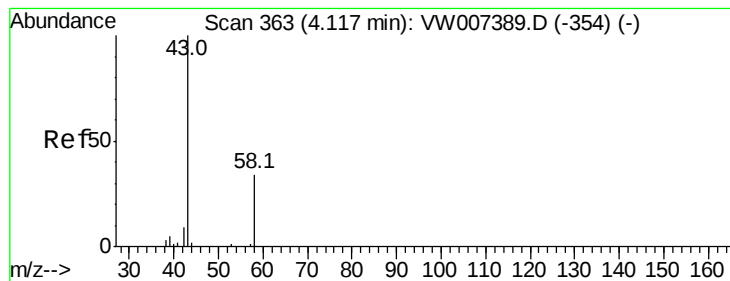


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.596 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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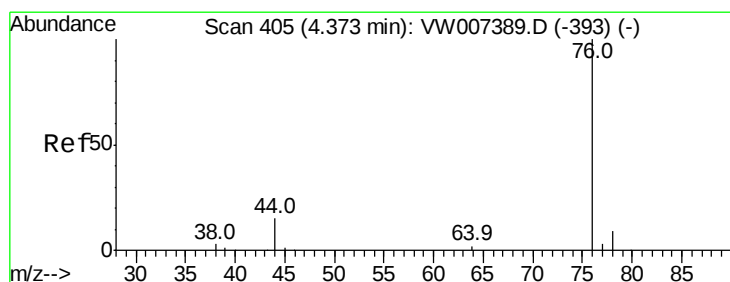
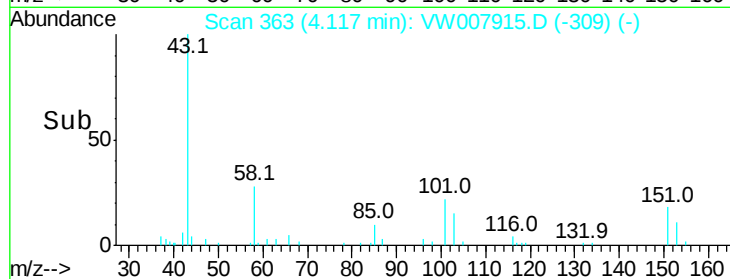
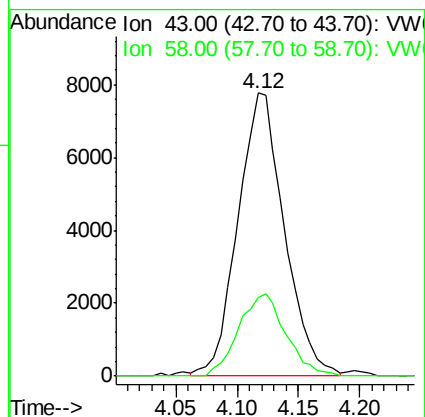
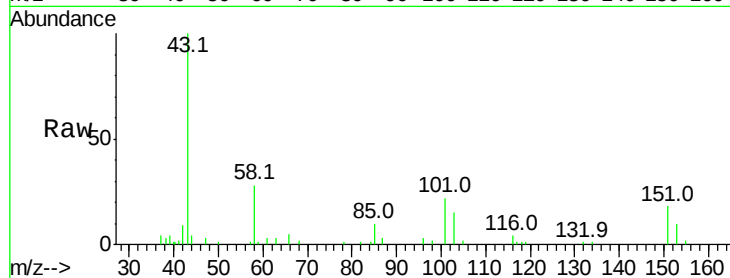
VSTD02583

Tgt Ion: 43 Resp: 20528

Ion Ratio Lower Upper

43 100

58 29.3 0.0 59.2



#14

Carbon disulfide

Concen: 28.447 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007915.D

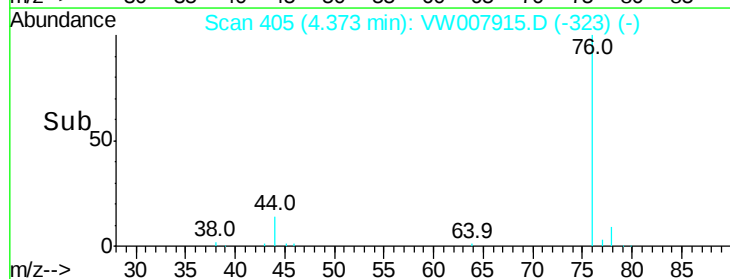
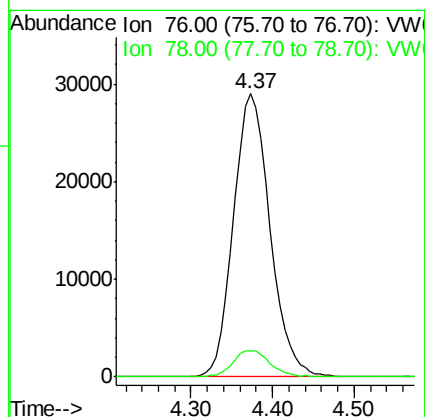
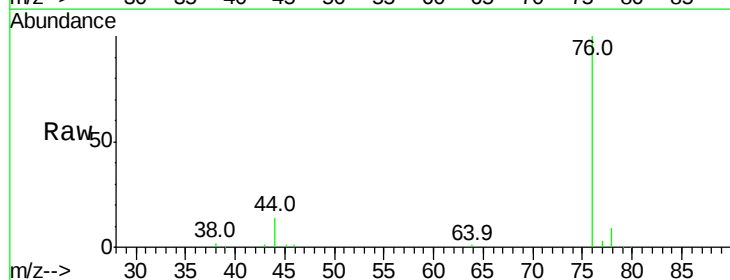
Acq: 26 Dec 2018 09:51

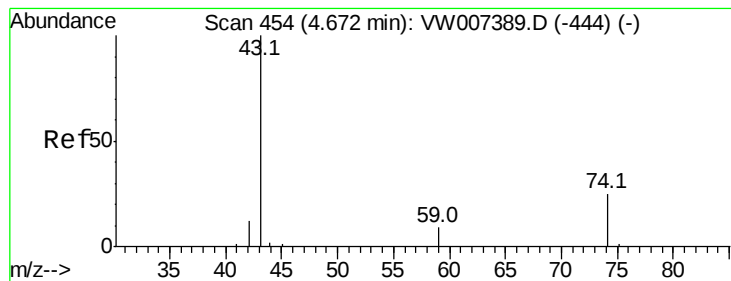
Tgt Ion: 76 Resp: 90013

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 22.909 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

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ClientSampled :

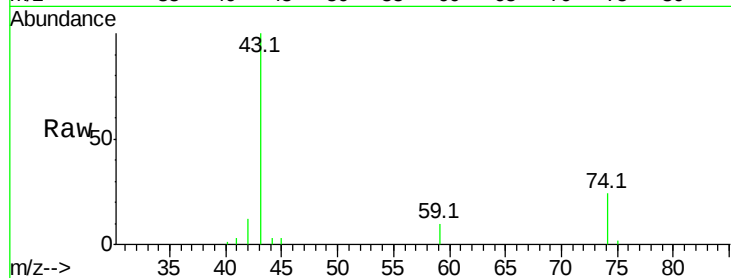
VSTD02583

Tgt Ion: 43 Resp: 15134

Ion Ratio Lower Upper

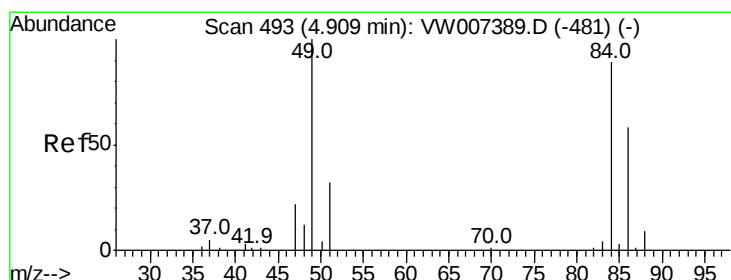
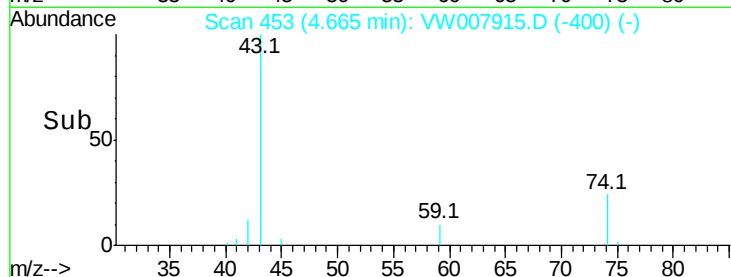
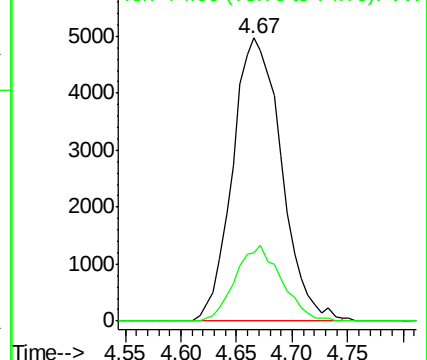
43 100

74 25.2 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.089 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

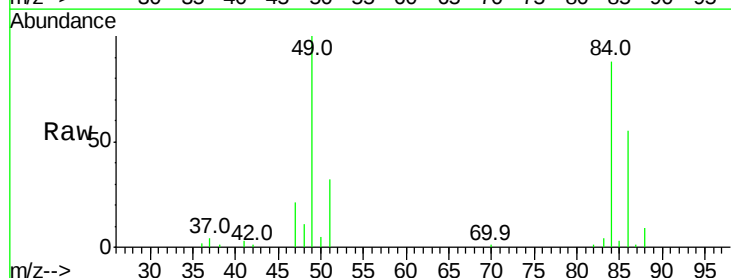
Tgt Ion: 84 Resp: 34427

Ion Ratio Lower Upper

84 100

49 113.1 80.8 150.2

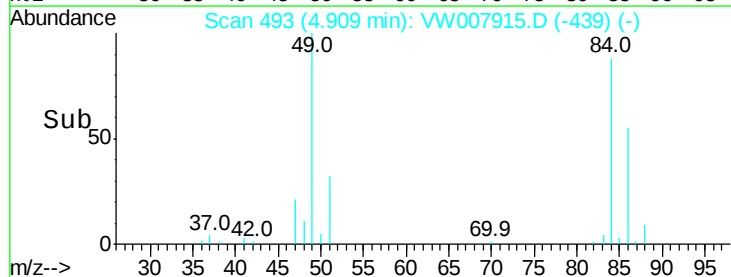
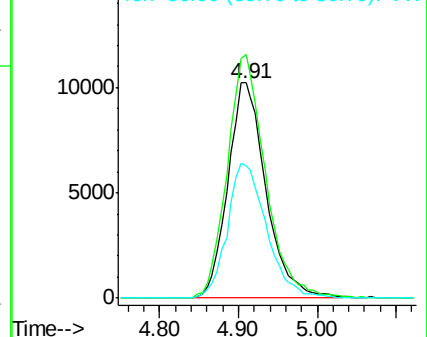
86 61.7 45.8 85.2

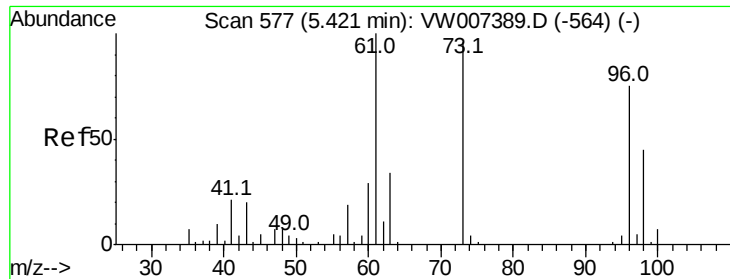


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

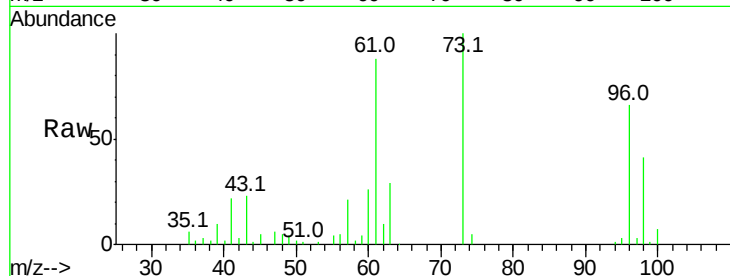




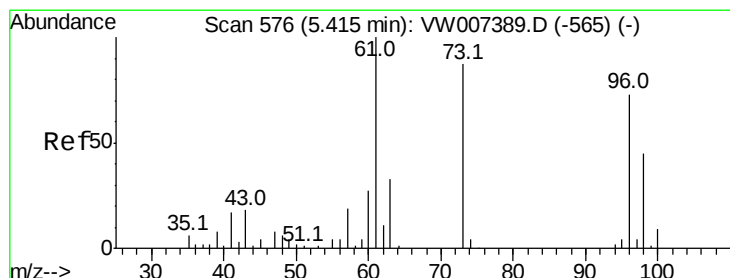
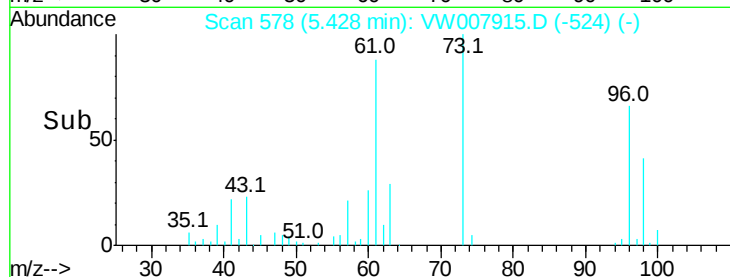
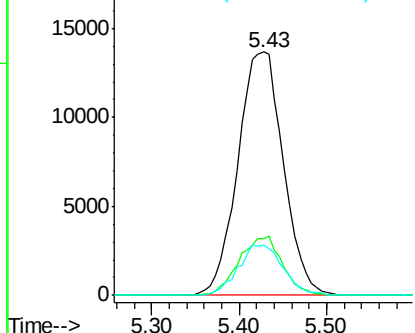
#17
Methyl tert-butyl Ether
Concen: 28.056 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Tgt Ion: 73 Resp: 49440
Ion Ratio Lower Upper
73 100
43 23.1 17.3 25.9
57 20.5 17.0 25.6

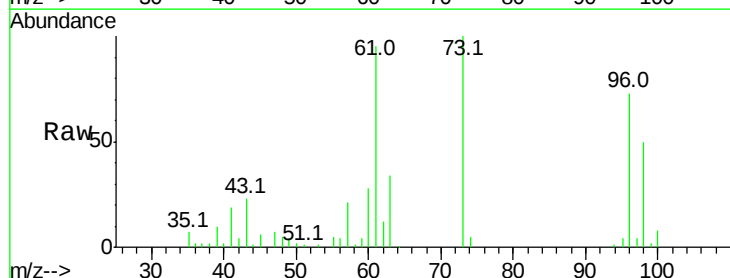


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

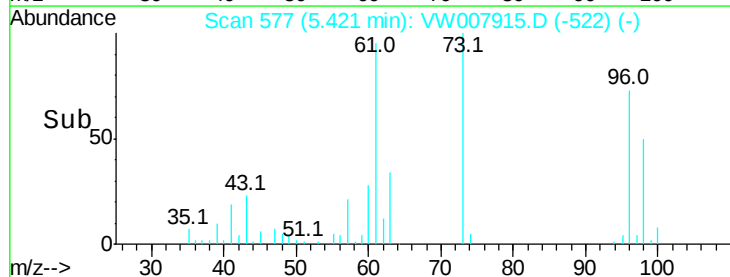
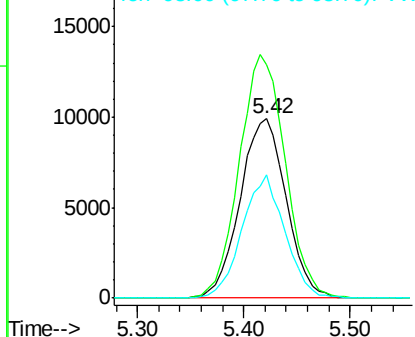


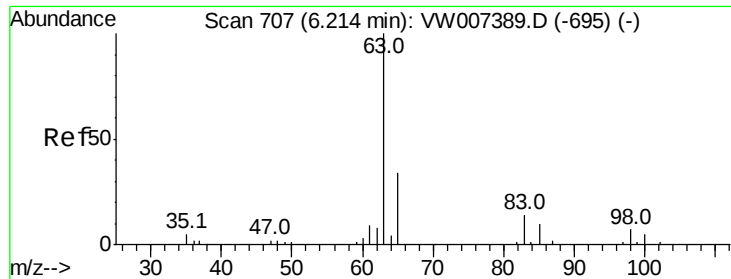
#18
trans-1,2-Dichloroethene
Concen: 25.865 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

Tgt Ion: 96 Resp: 30072
Ion Ratio Lower Upper
96 100
61 130.6 94.6 175.8
98 68.6 45.1 83.7



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

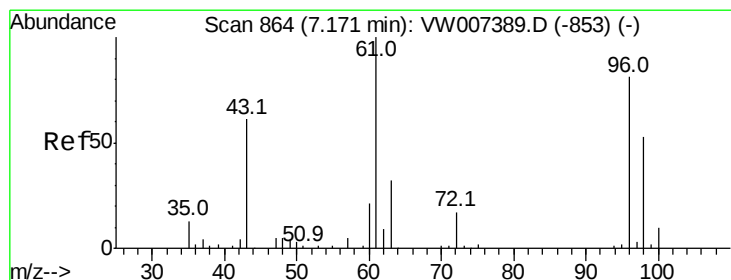
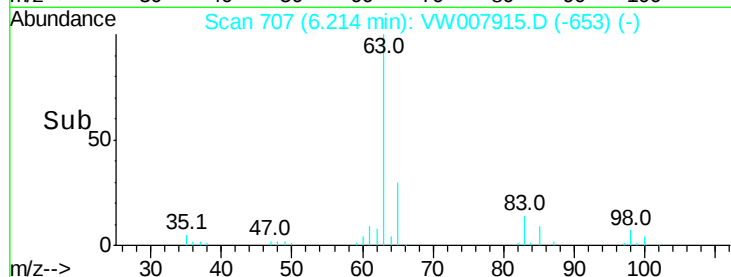
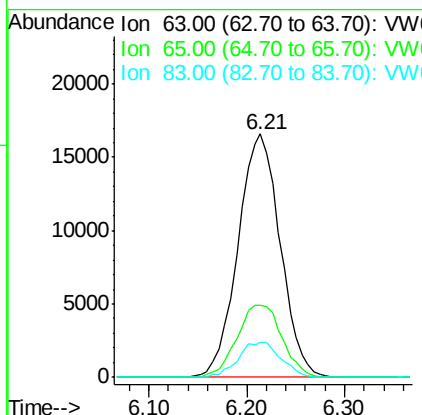
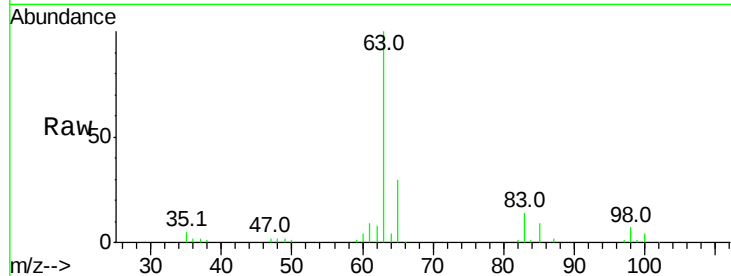




#19
 1,1-Dichloroethane
 Concen: 25.025 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

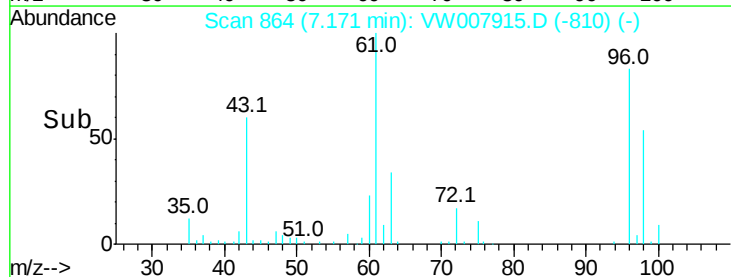
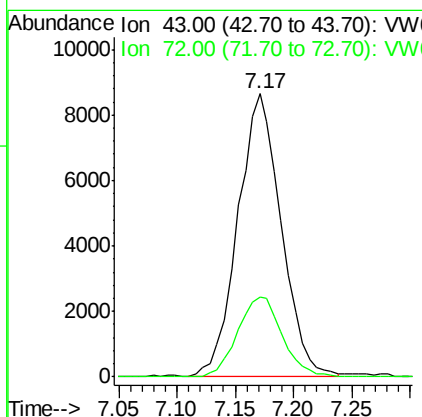
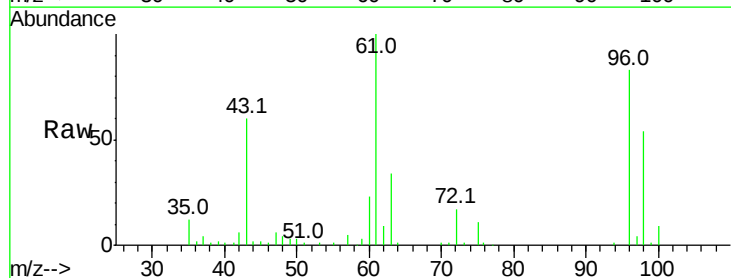
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

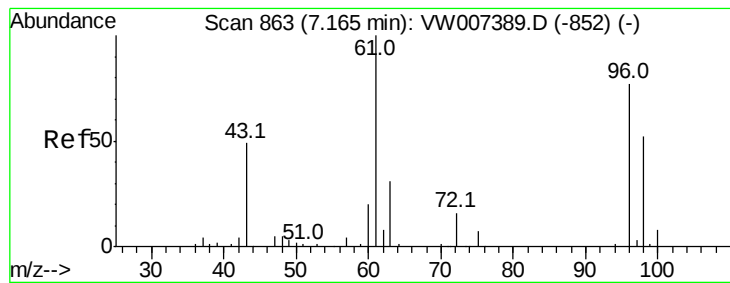
Tgt Ion: 63 Resp: 49594
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.1 41.1
 83 14.3 9.8 18.2



#21
 2-Butanone
 Concen: 47.316 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion: 43 Resp: 22405
 Ion Ratio Lower Upper
 43 100
 72 28.9 14.7 44.1



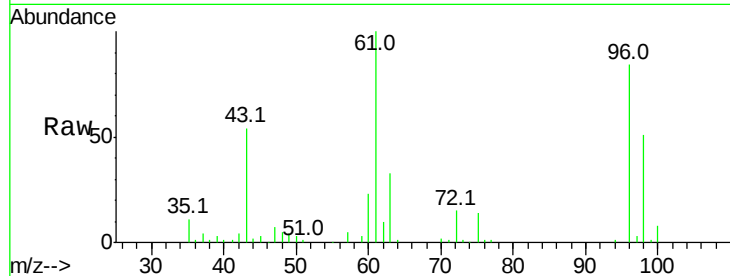


#22

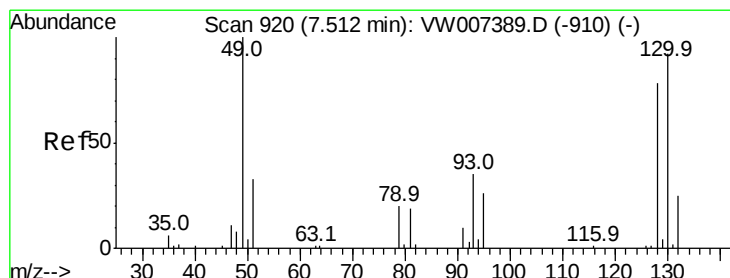
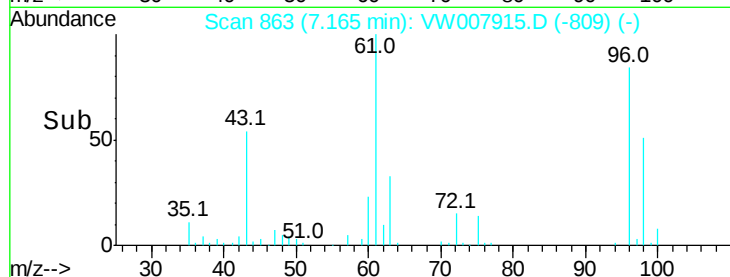
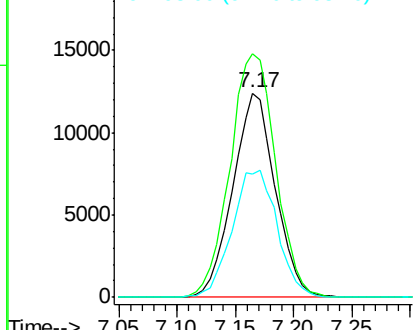
cis-1,2-Dichloroethene
 Concen: 24.587 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion: 96 Resp: 31457
 Ion Ratio Lower Upper
 96 100
 61 119.2 84.6 157.2
 98 60.4 42.9 79.7



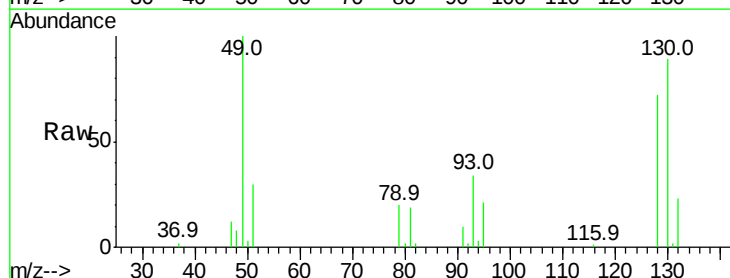
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



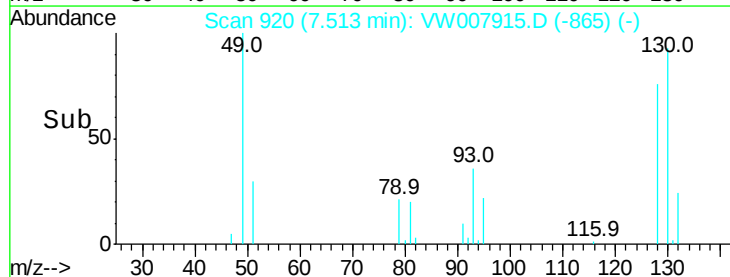
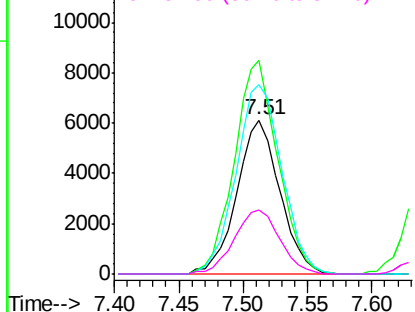
#23

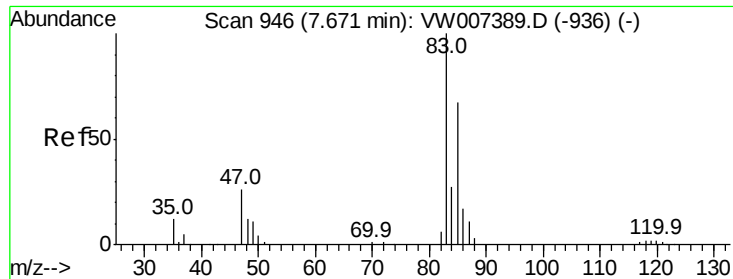
Bromochloromethane
 Concen: 24.252 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion: 128 Resp: 14145
 Ion Ratio Lower Upper
 128 100
 49 138.5 102.3 190.1
 130 123.1 88.0 163.4
 51 41.9 34.2 51.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

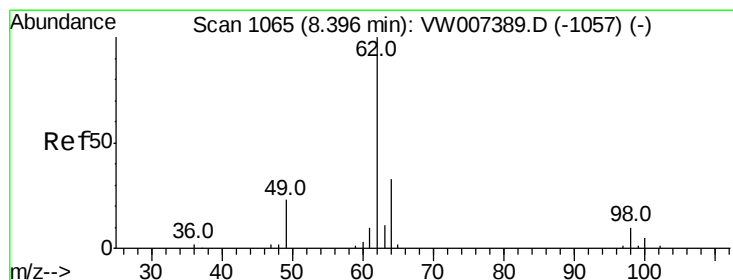
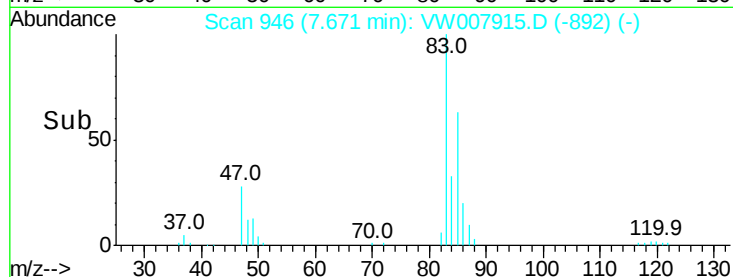
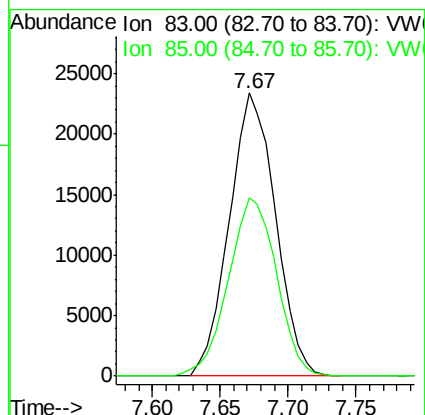
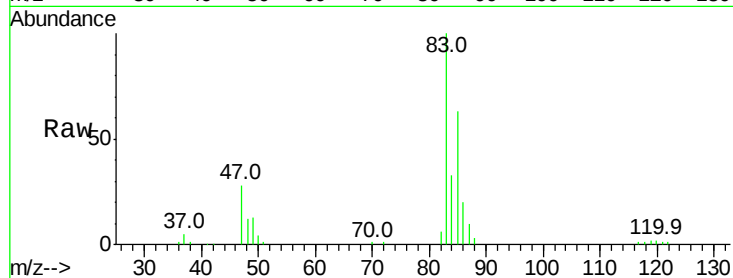




#25
Chloroform
Concen: 25.937 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

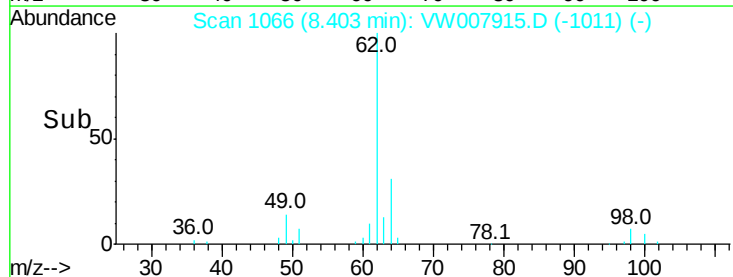
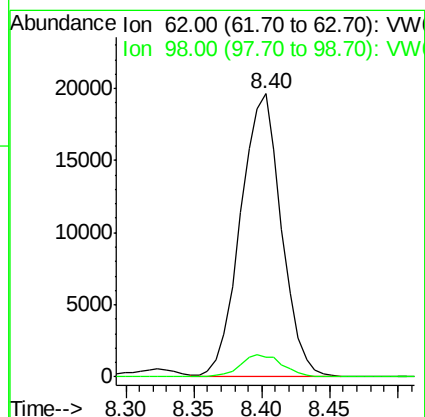
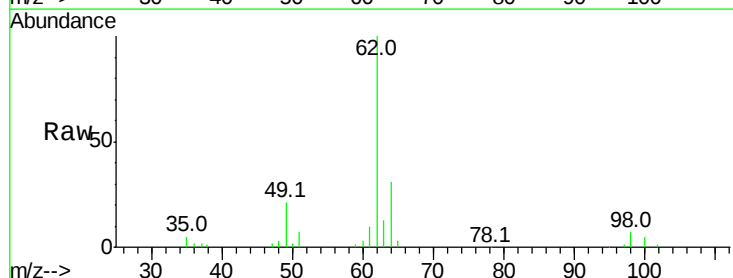
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

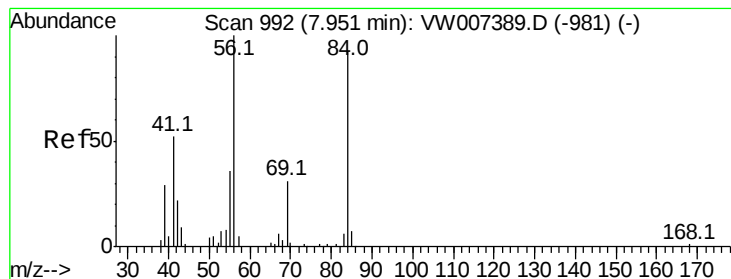
Tgt Ion: 83 Resp: 55617
Ion Ratio Lower Upper
83 100
85 65.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.922 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

Tgt Ion: 62 Resp: 41267
Ion Ratio Lower Upper
62 100
98 6.8 6.9 10.3#





#30

Cyclohexane

Concen: 24.590 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

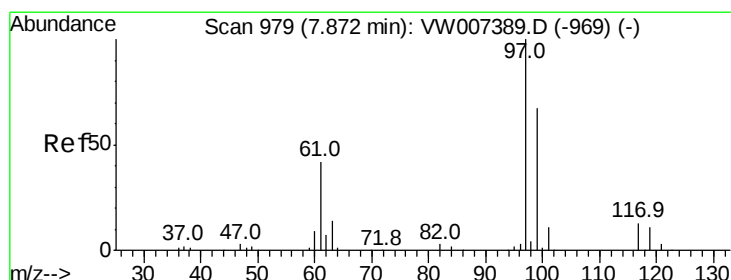
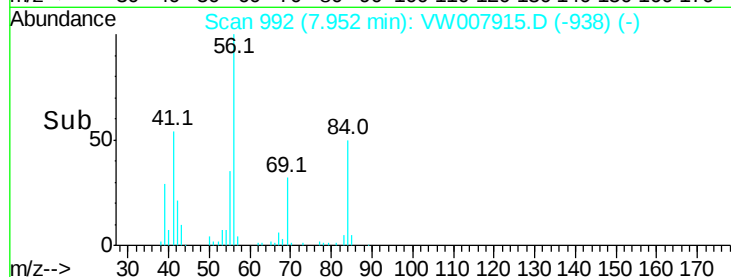
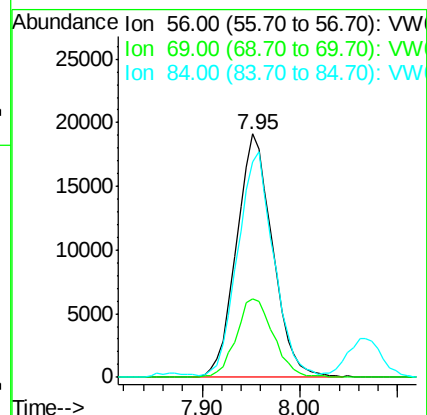
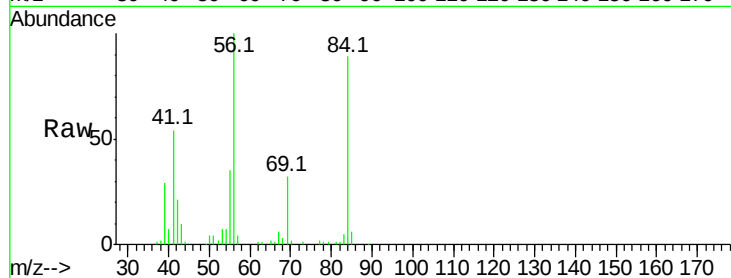
Tgt Ion: 56 Resp: 49170

Ion Ratio Lower Upper

56 100

69 32.8 26.0 39.0

84 92.9 73.6 110.4



#31

1,1,1-Trichloroethane

Concen: 25.892 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

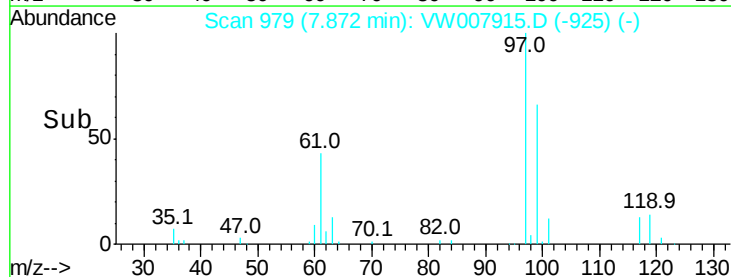
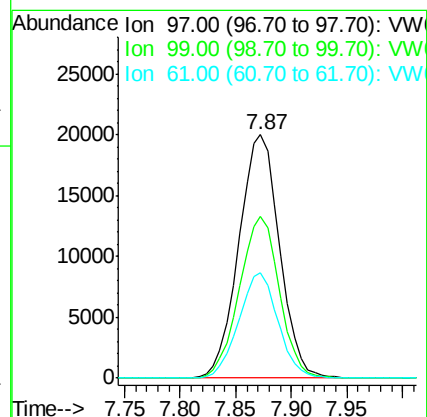
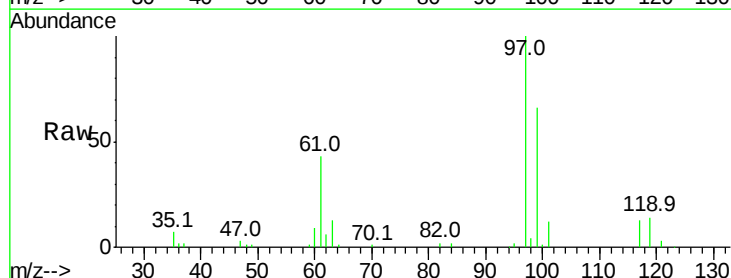
Tgt Ion: 97 Resp: 50794

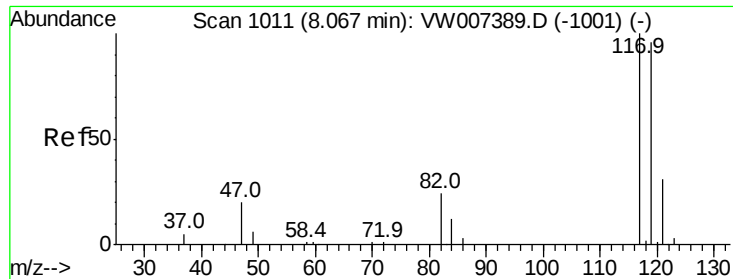
Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 41.9 33.2 49.8





#32

Carbon tetrachloride

Concen: 26.206 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

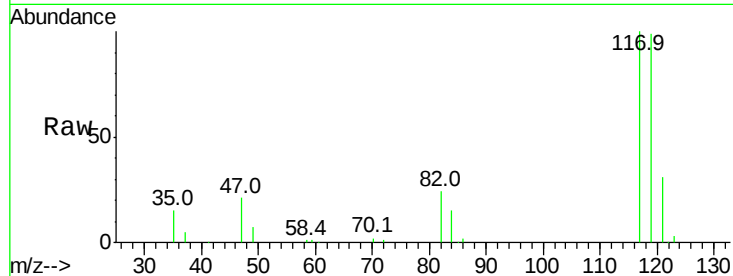
VSTD02583

Tgt Ion:117 Resp: 49681

Ion Ratio Lower Upper

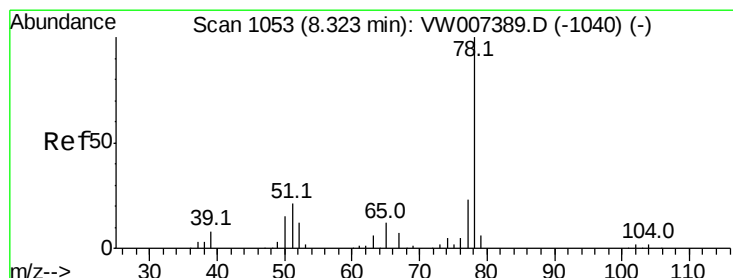
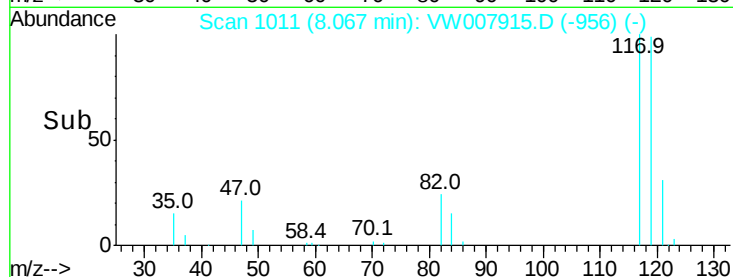
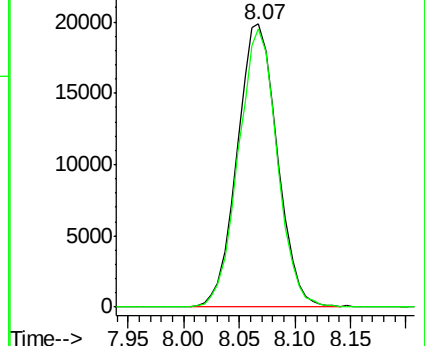
117 100

119 95.0 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.323 ug/L

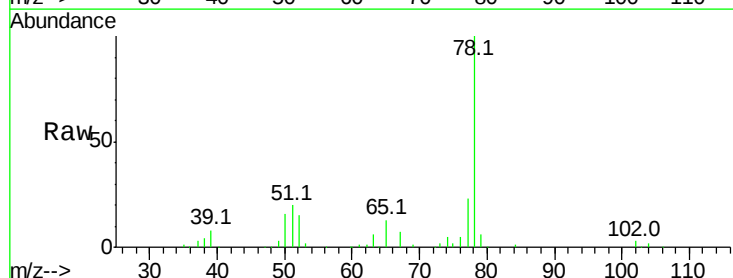
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

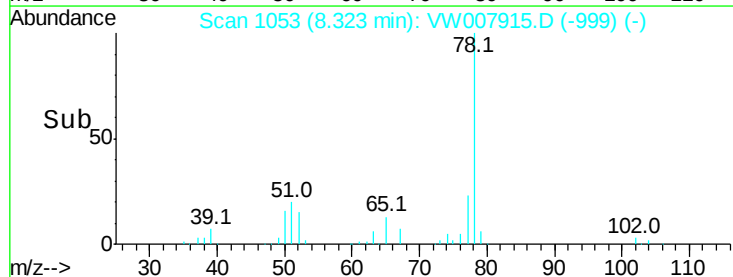
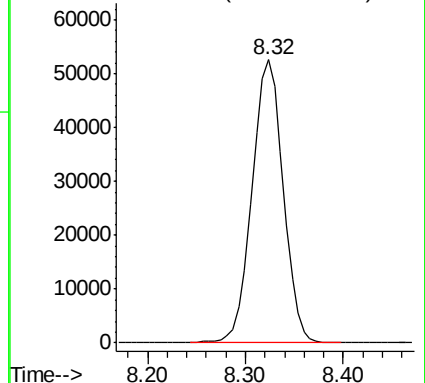
Lab File: VW007915.D

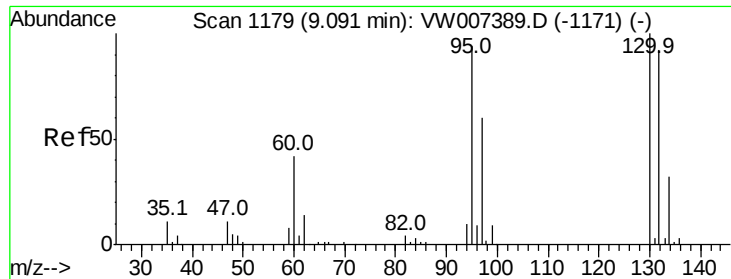
Acq: 26 Dec 2018 09:51

Tgt Ion: 78 Resp: 116208



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.325 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 95 Resp: 33325

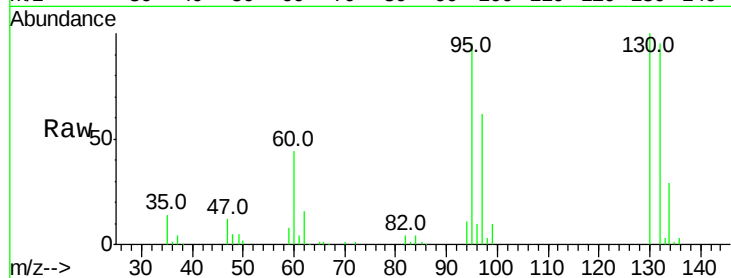
Ion Ratio Lower Upper

95 100

97 63.5 45.8 85.0

132 96.9 68.0 126.4

130 100.5 71.6 133.0



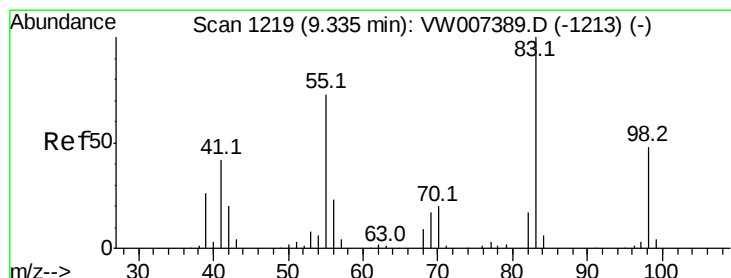
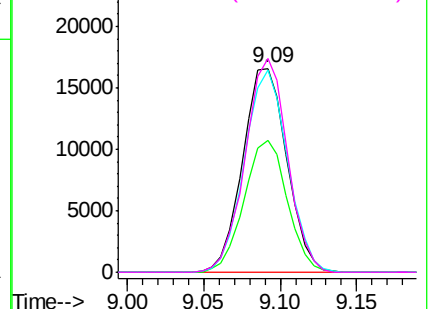
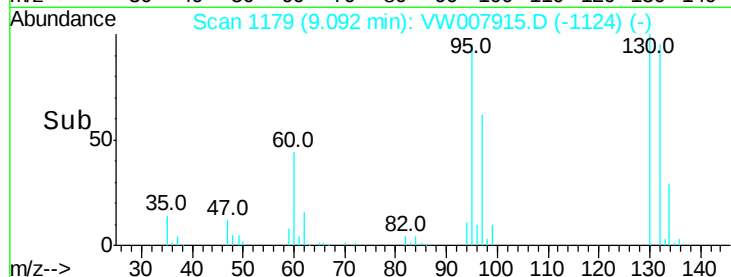
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.799 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

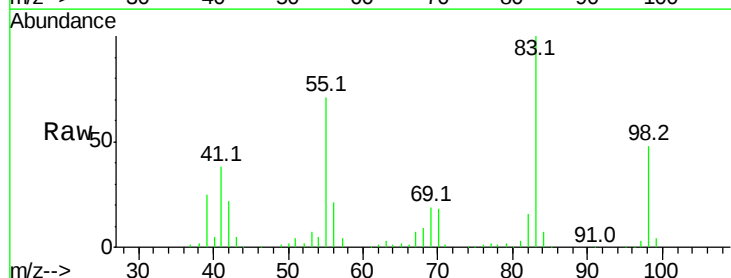
Tgt Ion: 83 Resp: 58649

Ion Ratio Lower Upper

83 100

55 74.2 59.4 89.2

98 47.7 38.1 57.1

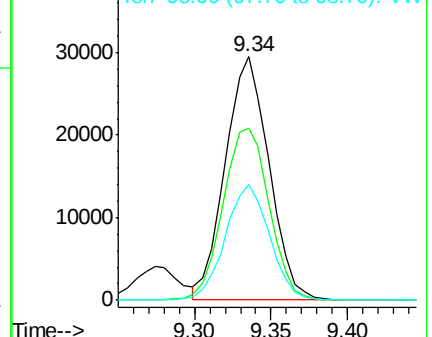
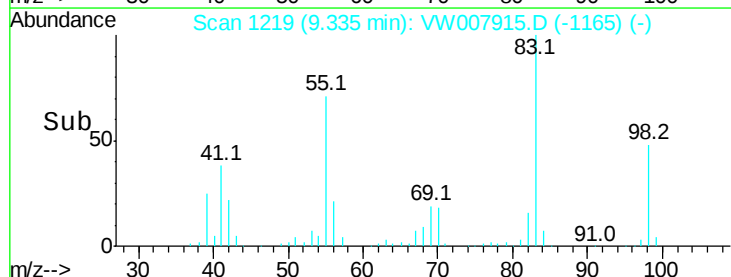


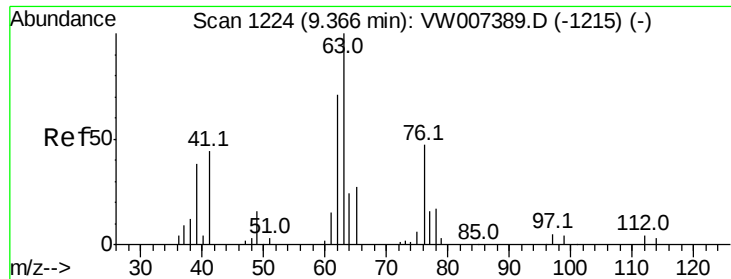
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

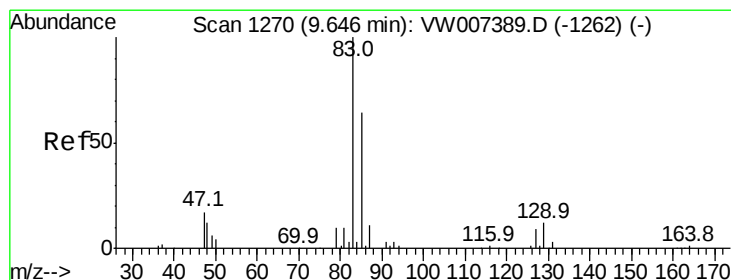
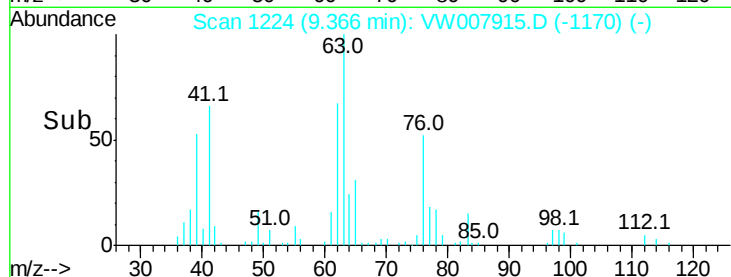
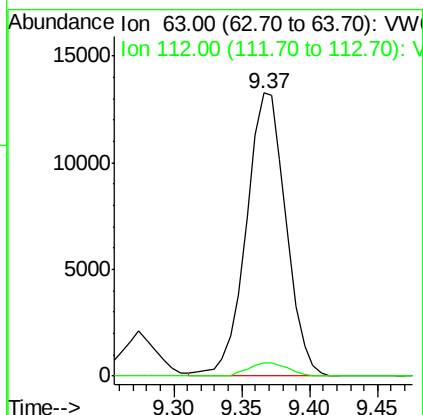
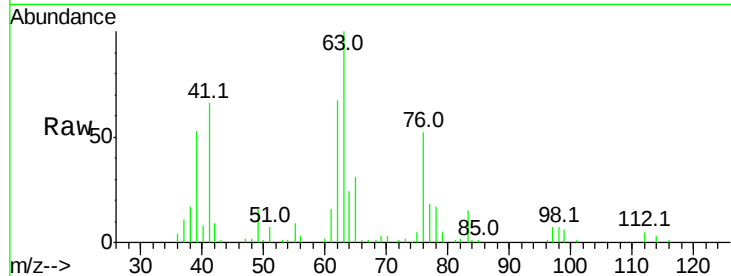




#40
 1,2-Dichloropropane
 Concen: 23.304 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

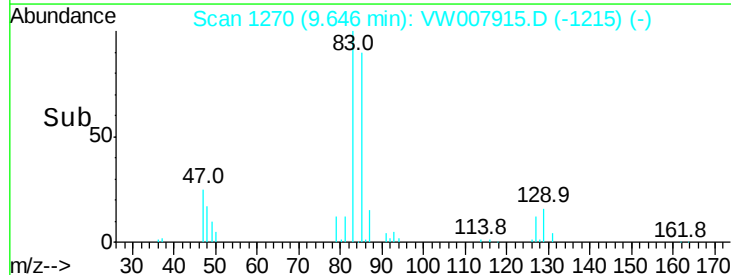
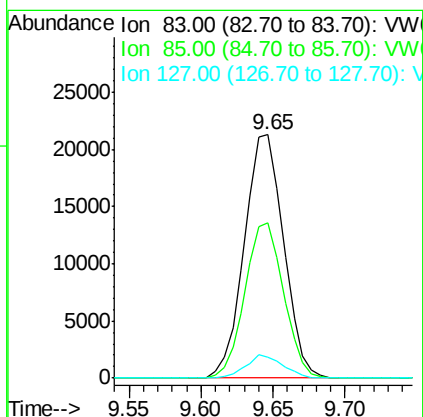
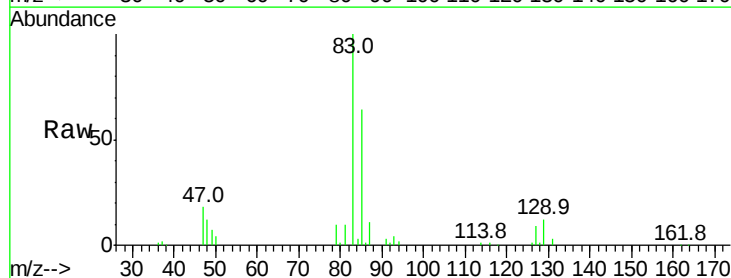
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

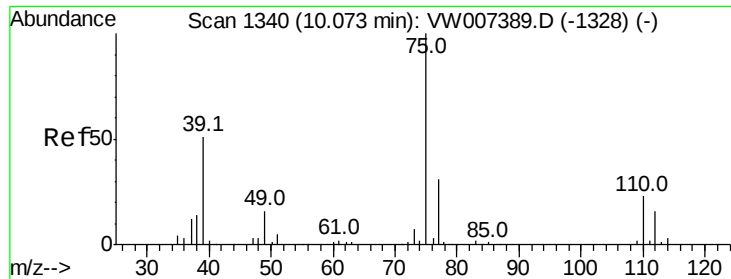
Tgt Ion: 63 Resp: 27234
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#41
 Bromodichloromethane
 Concen: 23.963 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion: 83 Resp: 40211
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.5
 127 8.8 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 23.757 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

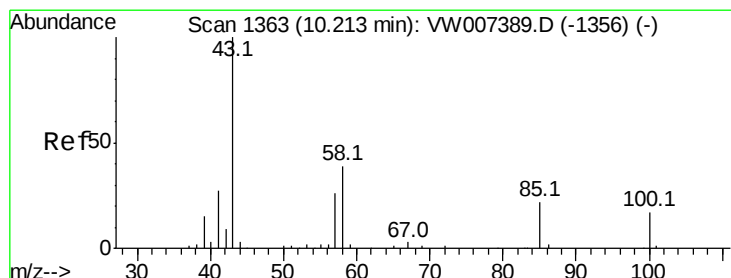
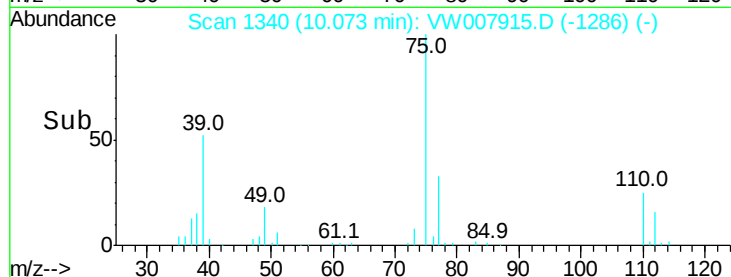
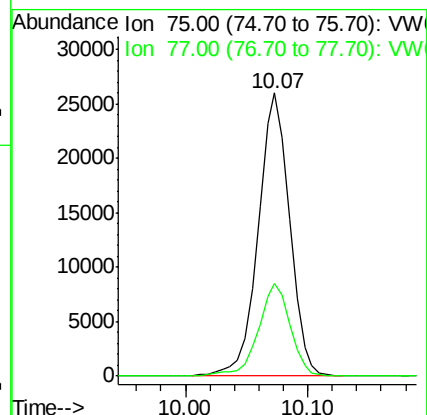
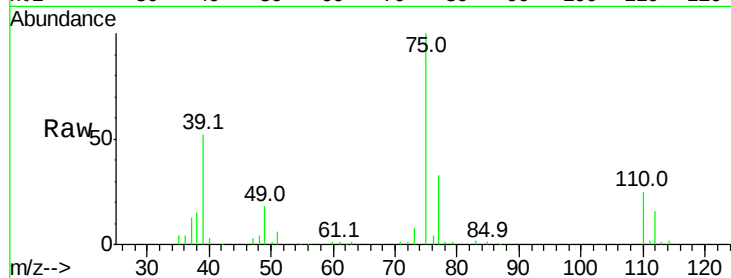
VSTD02583

Tgt Ion: 75 Resp: 46626

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 46.480 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

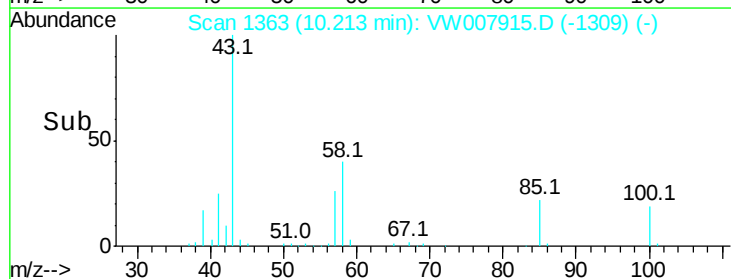
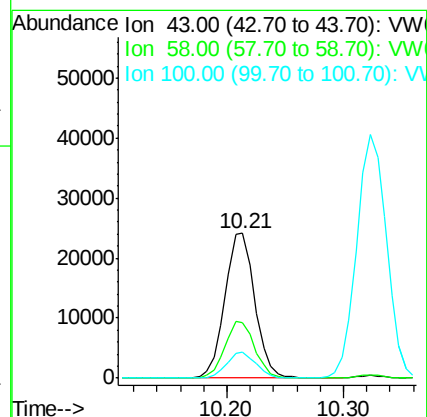
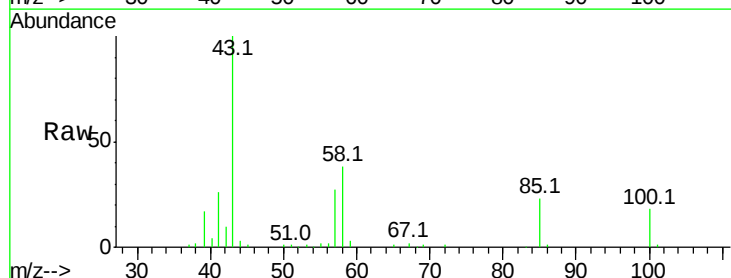
Tgt Ion: 43 Resp: 42994

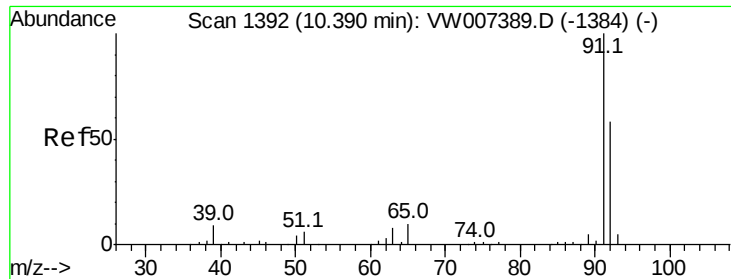
Ion Ratio Lower Upper

43 100

58 38.9 32.6 48.8

100 17.5 13.8 20.8





#44

Toluene

Concen: 25.141 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

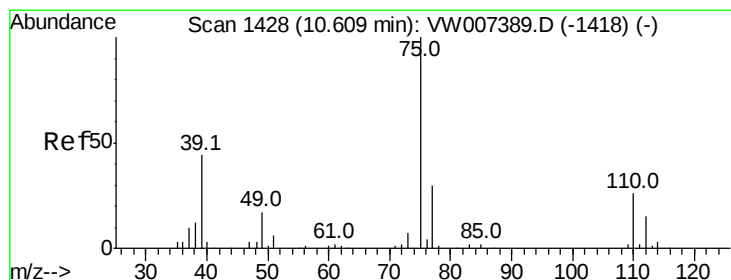
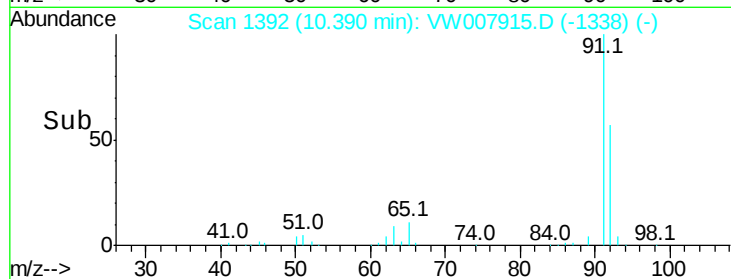
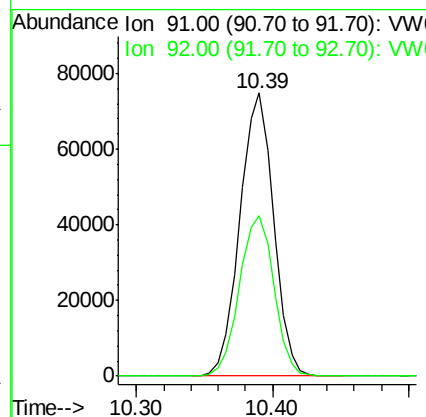
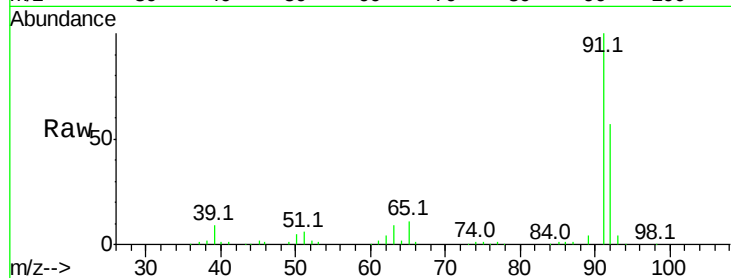
VSTD02583

Tgt Ion: 91 Resp: 129463

Ion Ratio Lower Upper

91 100

92 56.6 38.2 71.0



#45

trans-1,3-Dichloropropene

Concen: 25.740 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007915.D

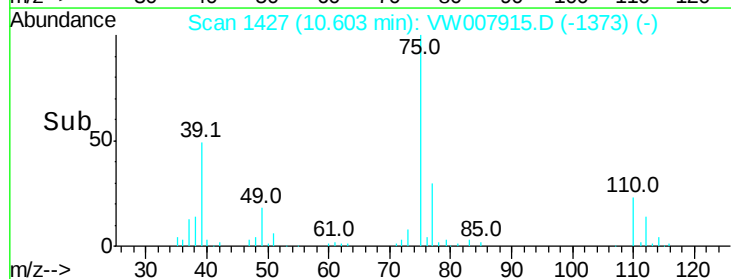
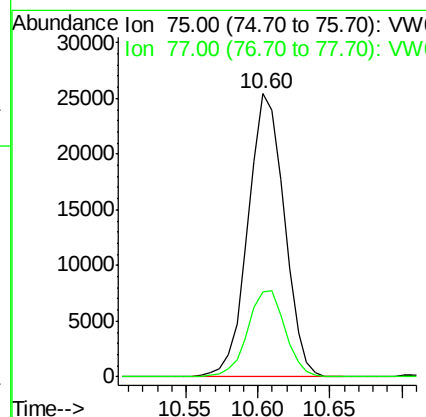
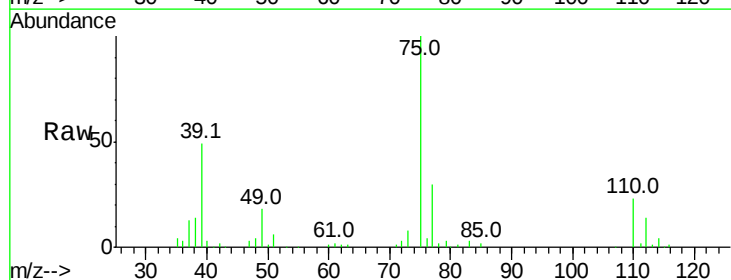
Acq: 26 Dec 2018 09:51

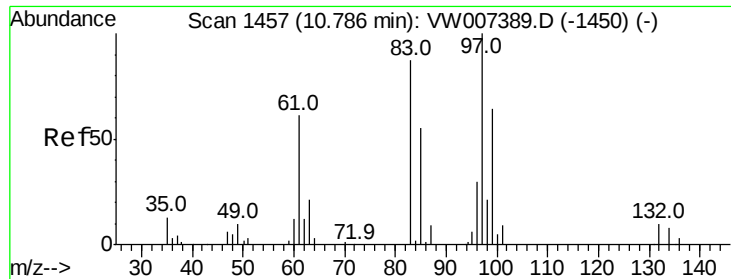
Tgt Ion: 75 Resp: 44365

Ion Ratio Lower Upper

75 100

77 30.2 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 24.093 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampled :

VSTD02583

Tgt Ion: 97 Resp: 23185

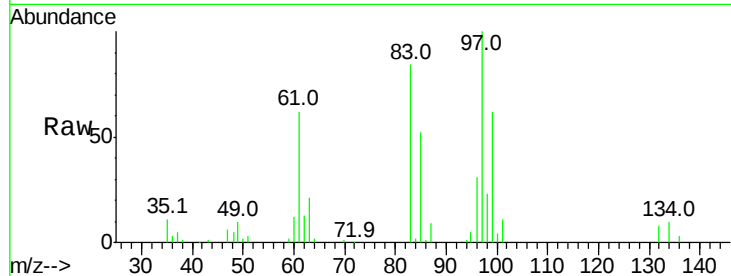
Ion Ratio Lower Upper

97 100

83 83.5 61.2 113.8

85 52.0 42.5 78.9

99 62.5 45.7 84.9



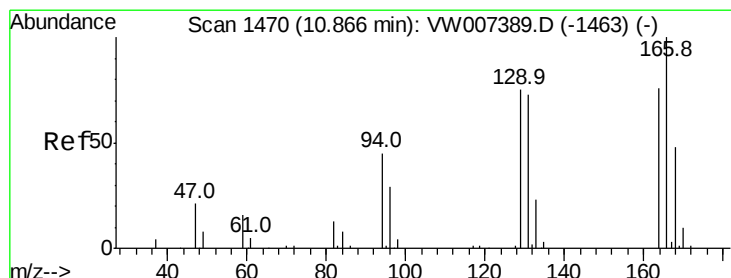
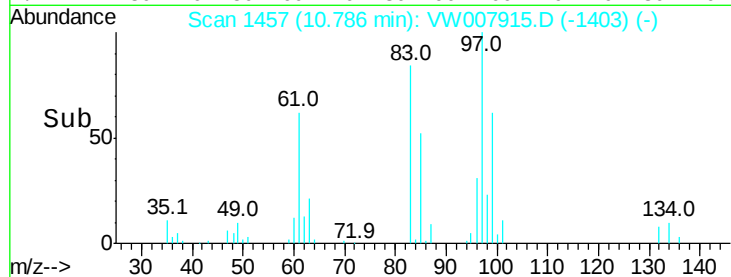
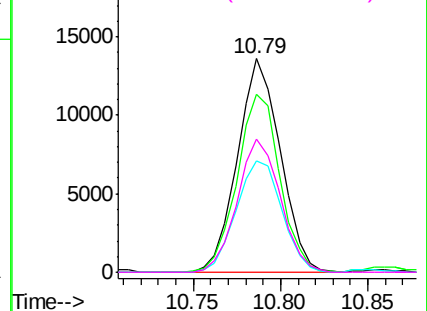
Abundance

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: 26.108 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Tgt Ion: 164 Resp: 27018

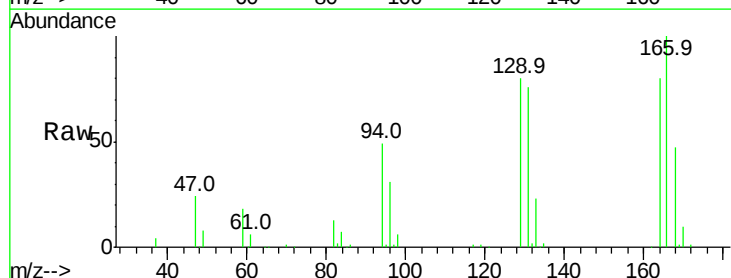
Ion Ratio Lower Upper

164 100

129 100.9 70.8 131.6

131 95.0 70.4 130.8

166 125.3 84.2 156.4



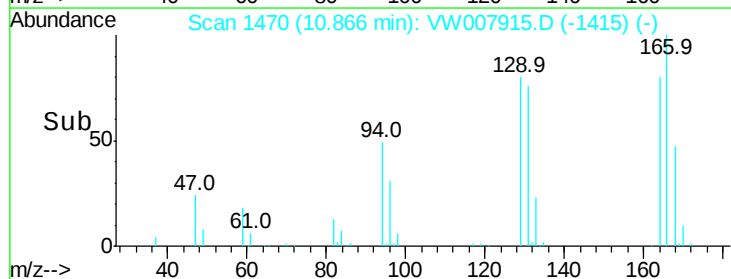
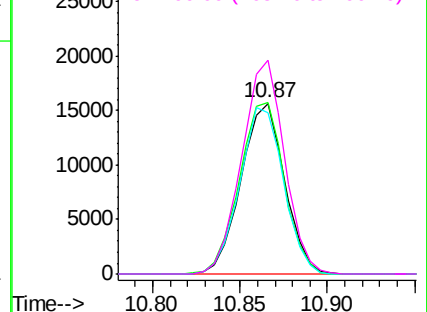
Abundance

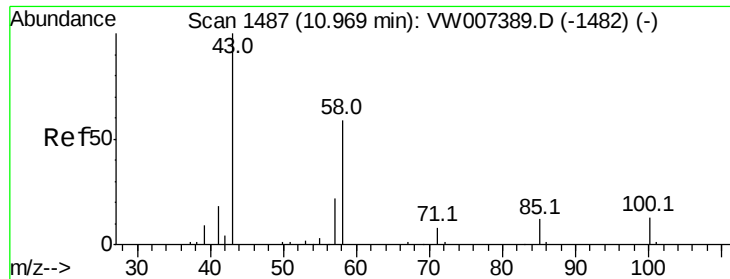
Ion 164.00 (163.70 to 164.70): V

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: 47.682 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 43 Resp: 30999

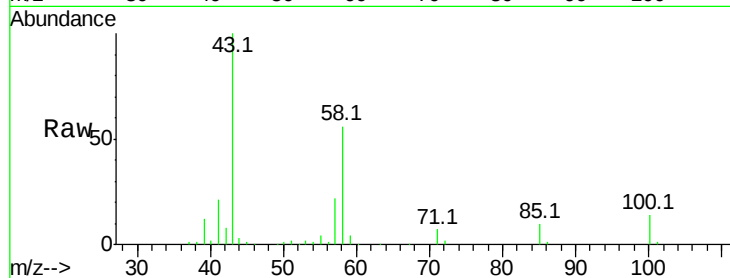
Ion Ratio Lower Upper

43 100

58 57.8 47.2 70.8

57 22.4 17.6 26.4

100 14.3 12.2 18.2

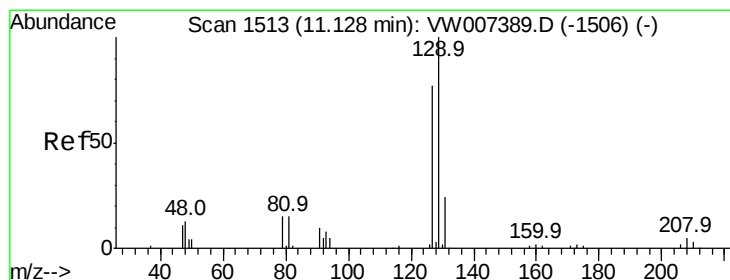
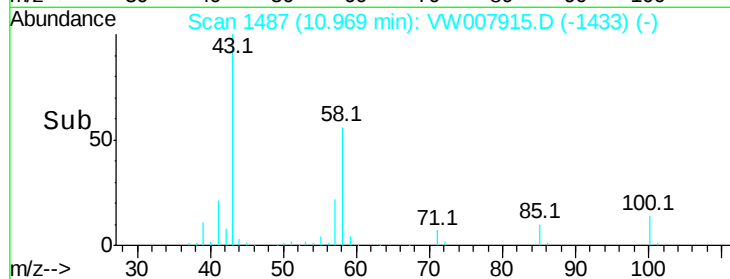
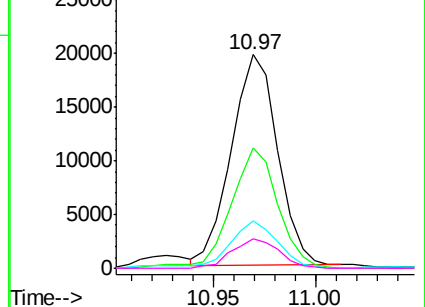


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.390 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007915.D

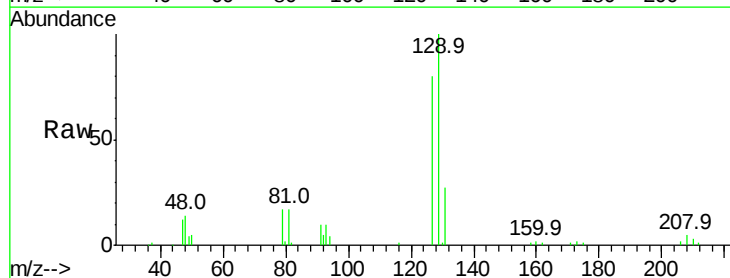
Acq: 26 Dec 2018 09:51

Tgt Ion: 129 Resp: 28833

Ion Ratio Lower Upper

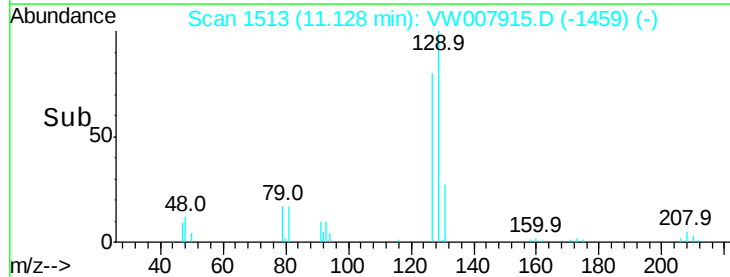
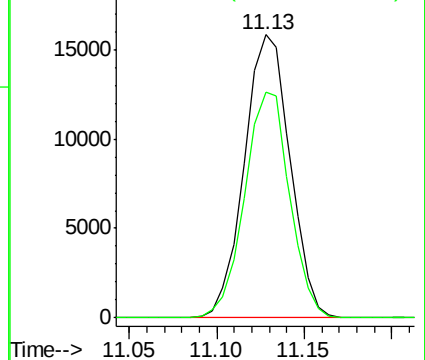
129 100

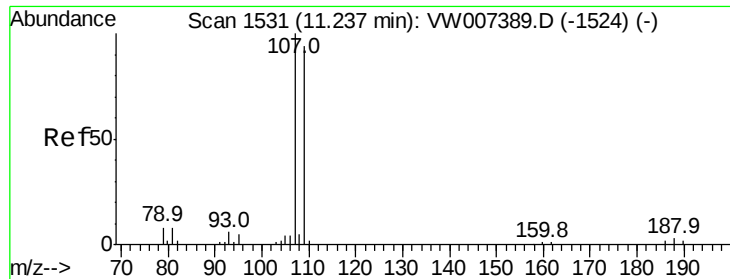
127 79.7 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

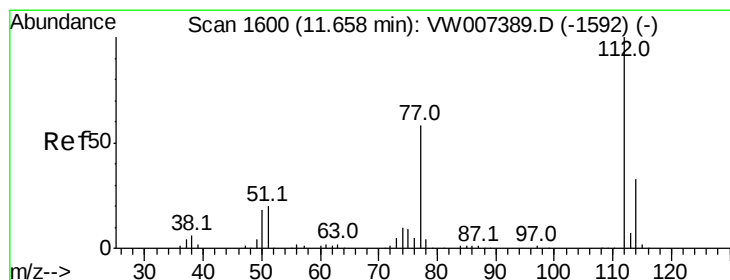
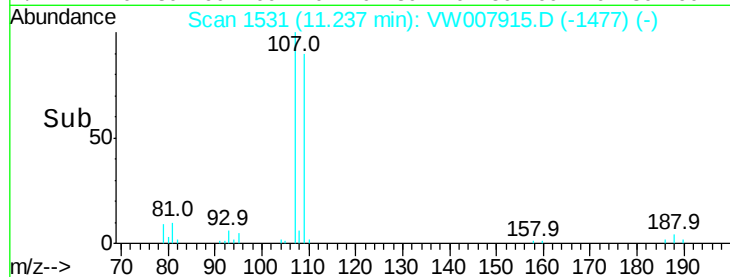
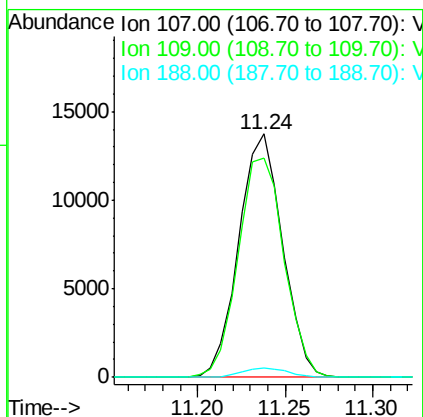
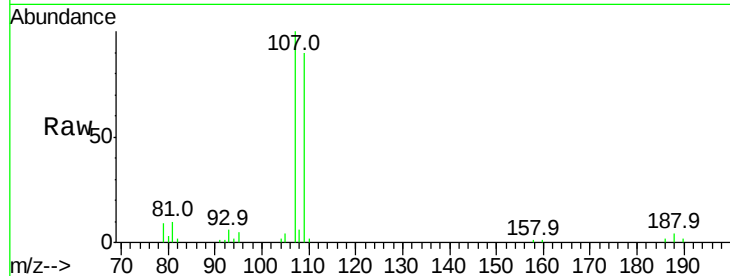




#51
 1,2-Dibromoethane
 Concen: 24.745 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

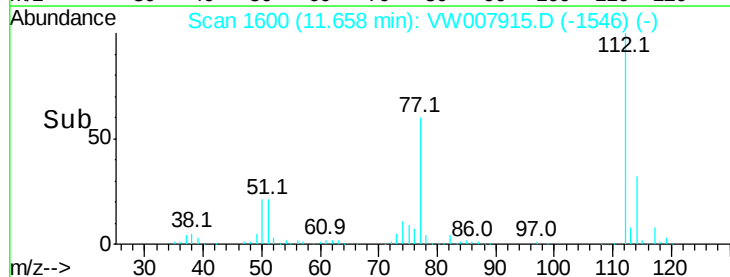
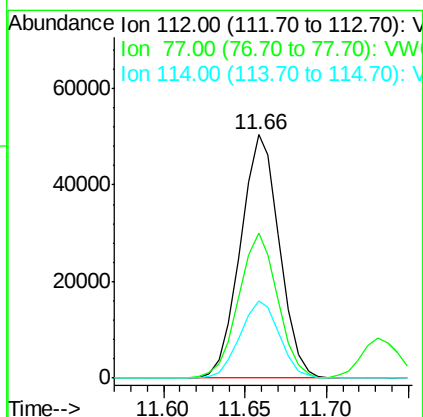
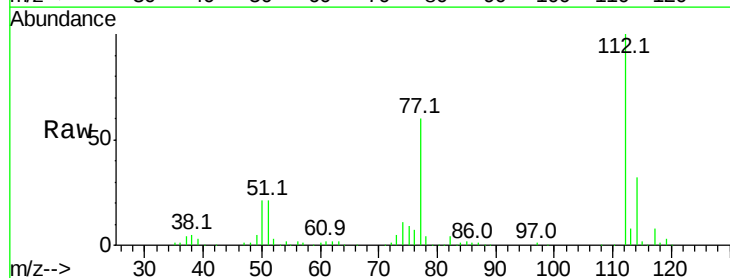
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

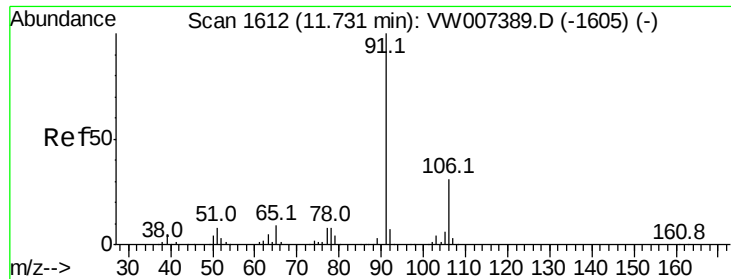
Tgt Ion:107 Resp: 23915
 Ion Ratio Lower Upper
 107 100
 109 90.3 67.6 125.6
 188 3.9 2.6 4.0



#52
 Chlorobenzene
 Concen: 24.991 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion:112 Resp: 83522
 Ion Ratio Lower Upper
 112 100
 77 59.7 42.6 63.8
 114 31.7 23.0 42.8

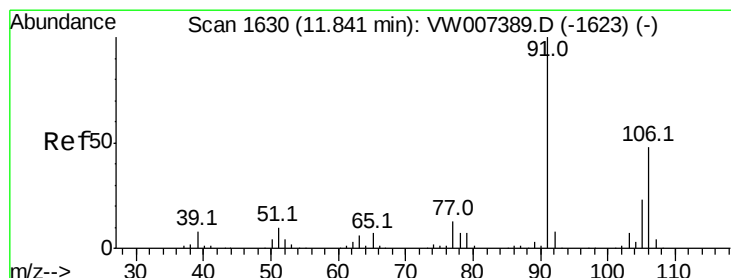
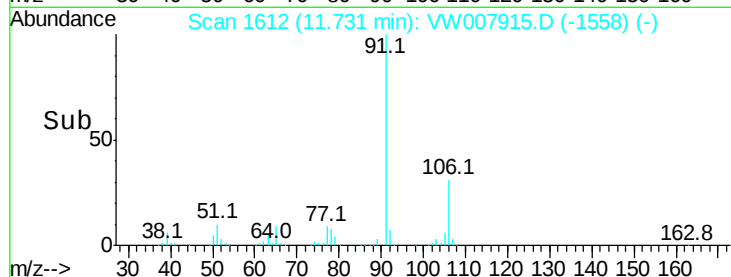
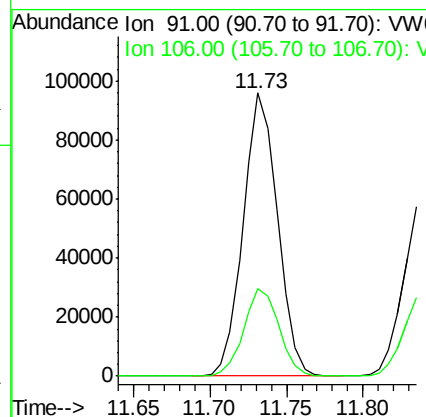
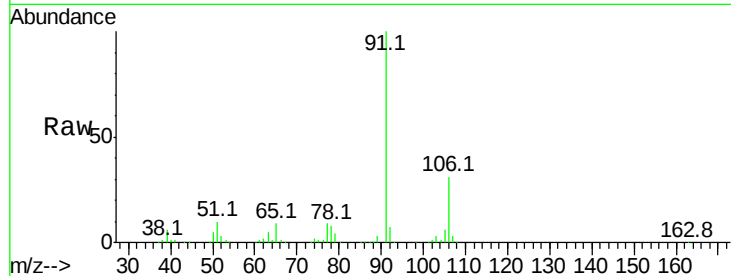




#53
Ethylbenzene
Concen: 25.826 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

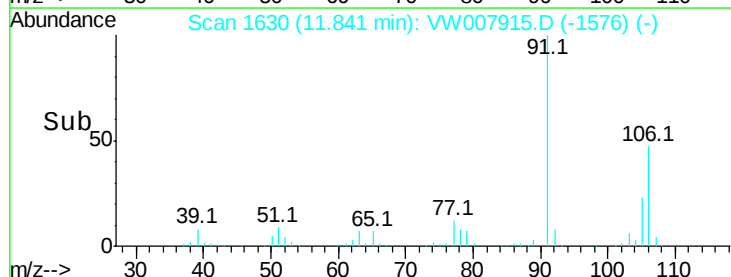
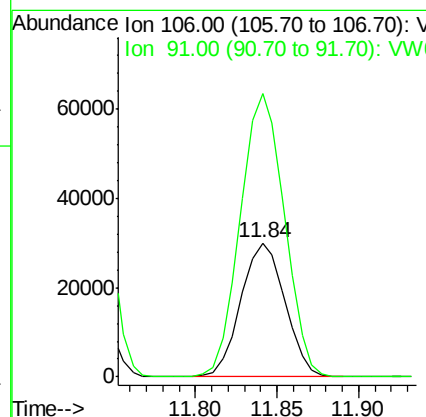
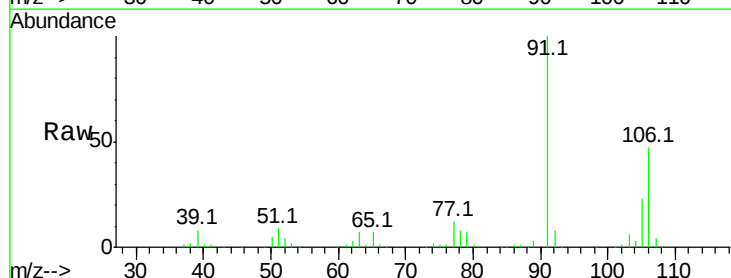
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

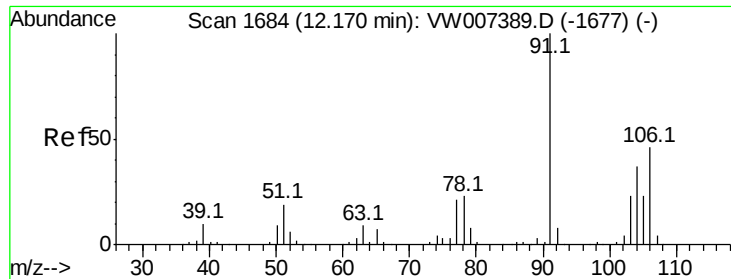
Tgt Ion: 91 Resp: 149541
Ion Ratio Lower Upper
91 100
106 30.7 20.2 37.4



#54
m,p-Xylene
Concen: 25.654 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

Tgt Ion: 106 Resp: 56429
Ion Ratio Lower Upper
106 100
91 211.1 132.2 245.6

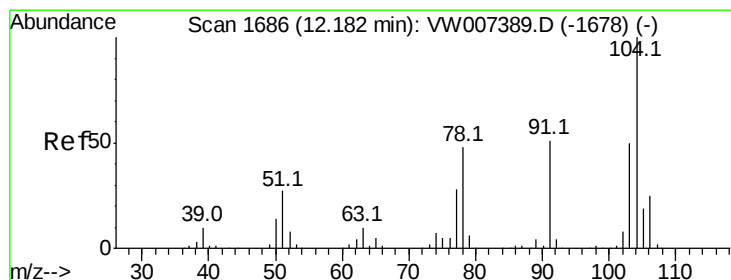
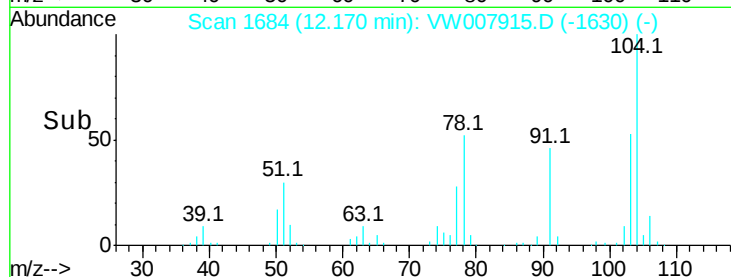
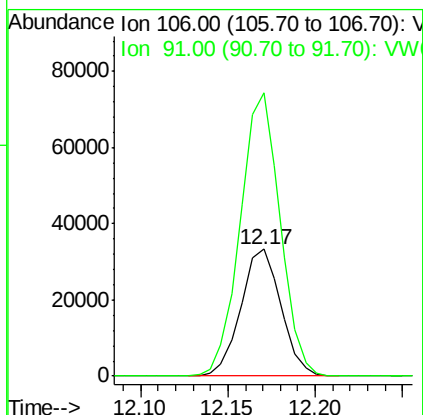
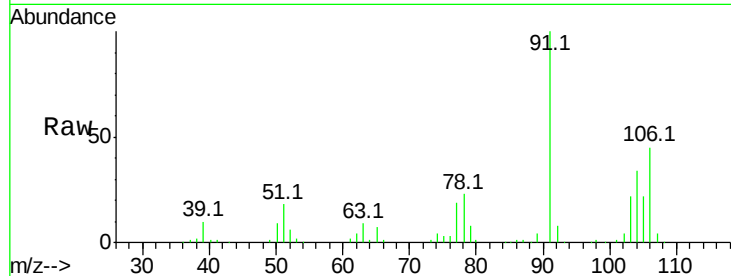




#55
o-xylene
Concen: 25.802 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

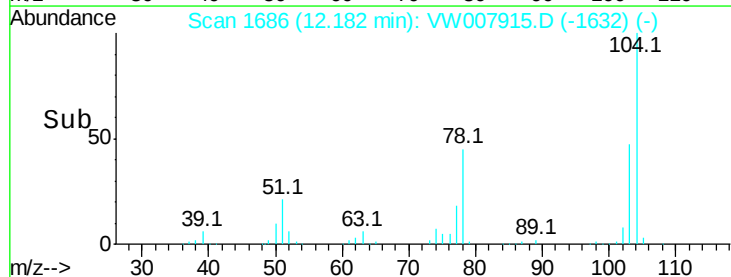
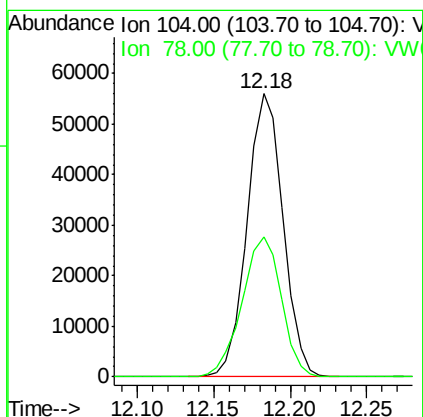
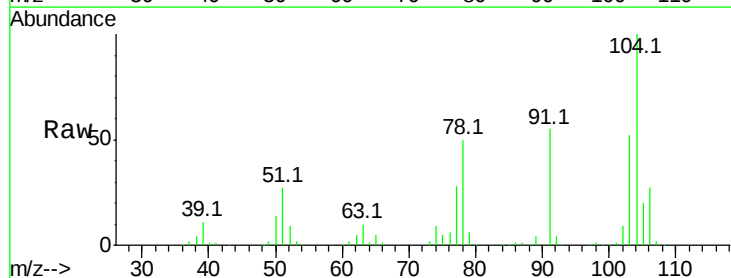
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

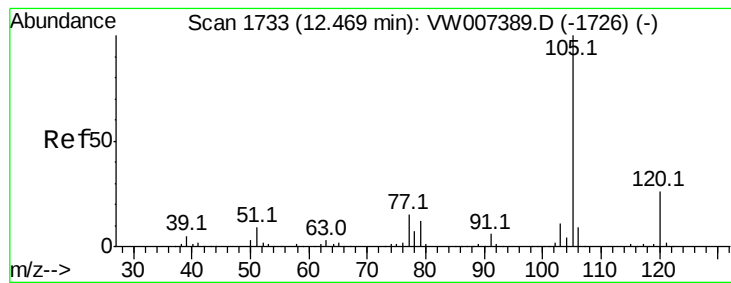
Tgt Ion:106 Resp: 53634
Ion Ratio Lower Upper
106 100
91 222.8 147.0 273.0



#56
Styrene
Concen: 25.698 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007915.D
Acq: 26 Dec 2018 09:51

Tgt Ion:104 Resp: 91568
Ion Ratio Lower Upper
104 100
78 49.5 31.8 59.0





#57

Isopropylbenzene

Concen: 26.169 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

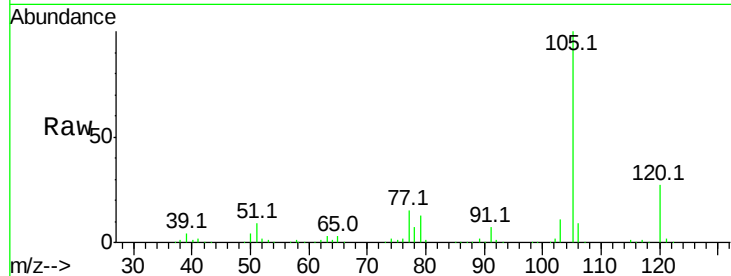
Tgt Ion:105 Resp: 151824

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

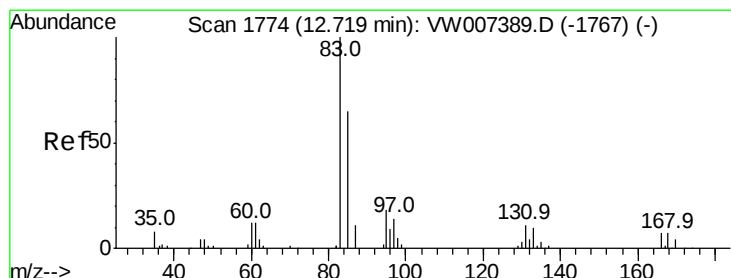
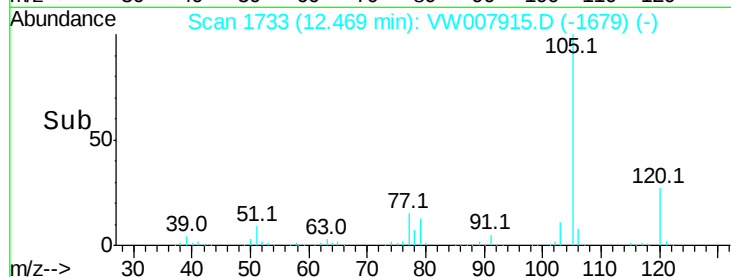
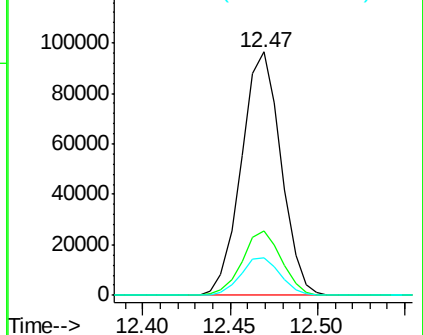
77 15.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.643 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

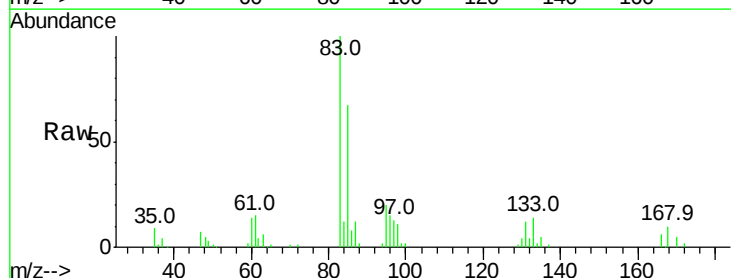
Tgt Ion: 83 Resp: 28205

Ion Ratio Lower Upper

83 100

85 66.6 46.2 85.8

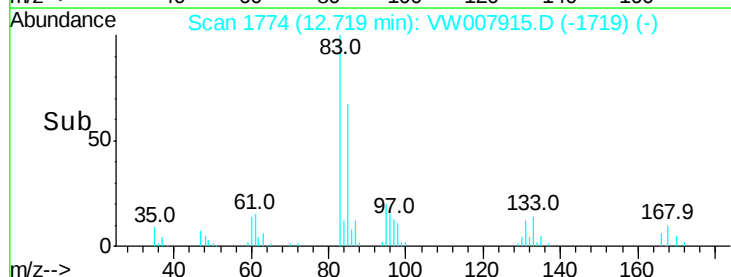
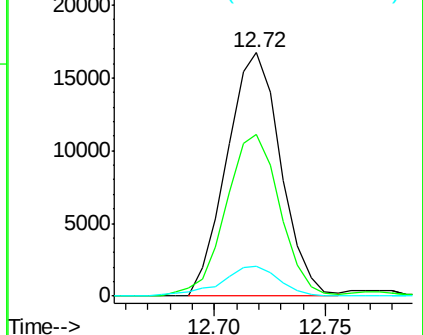
131 12.1 7.8 11.6#

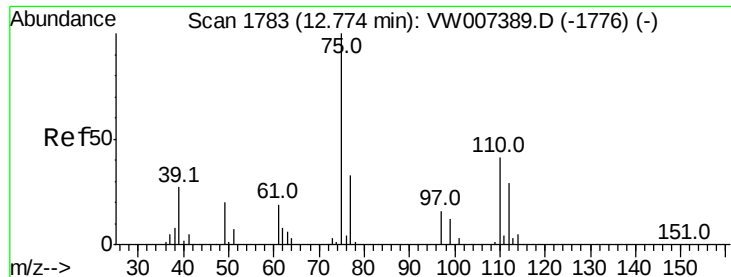


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.680 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

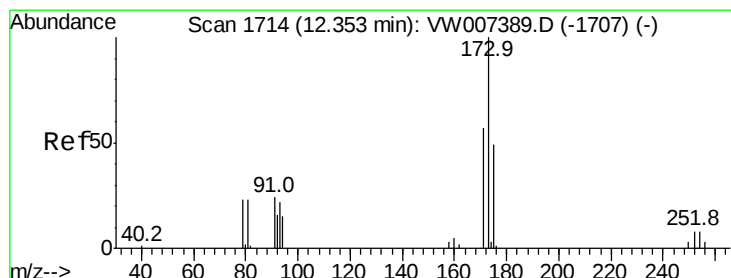
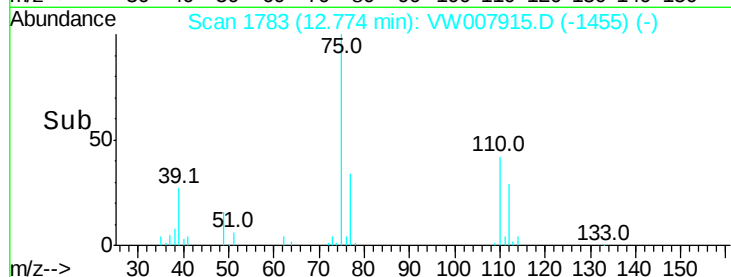
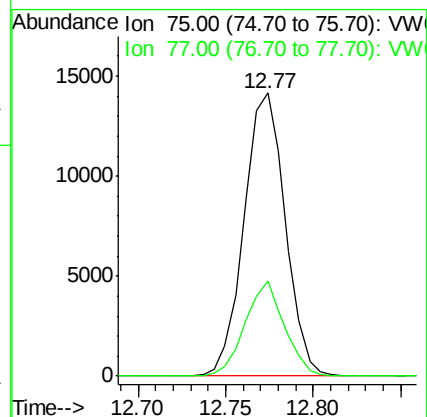
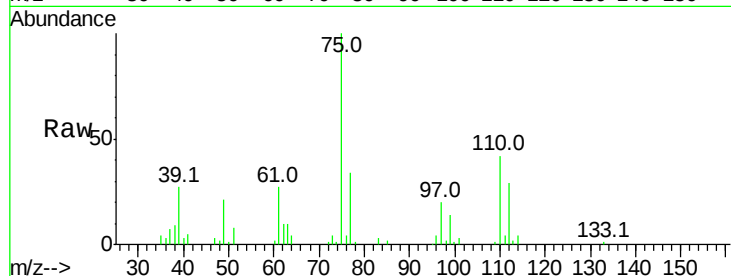
VSTD02583

Tgt Ion: 75 Resp: 23305

Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7



#62

Bromoform

Concen: 23.914 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

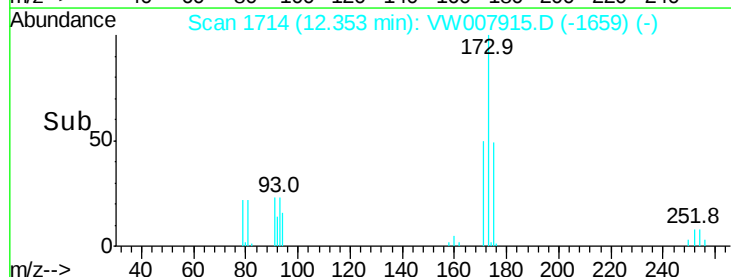
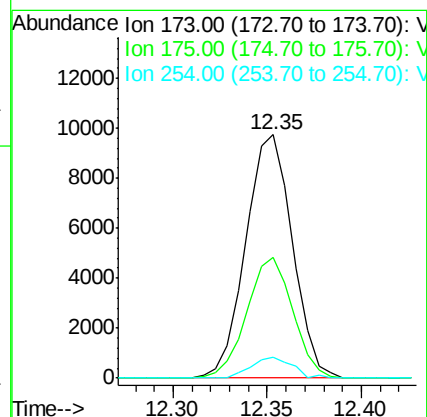
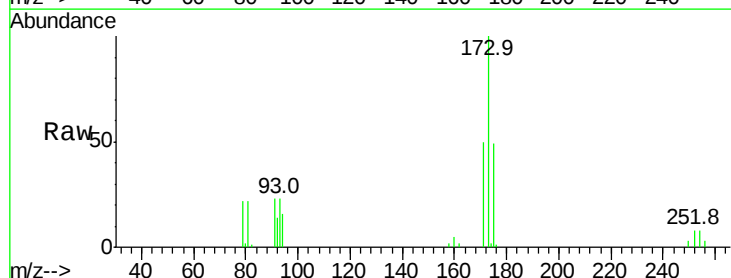
Tgt Ion: 173 Resp: 16739

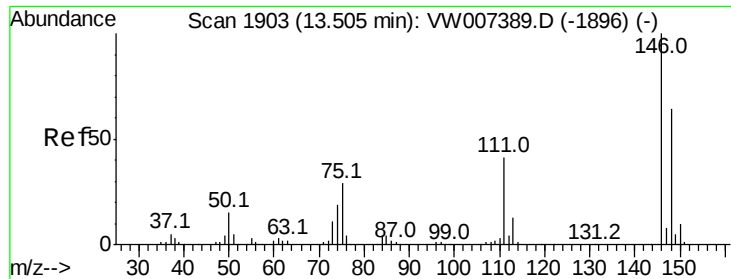
Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

254 7.3 6.4 9.6

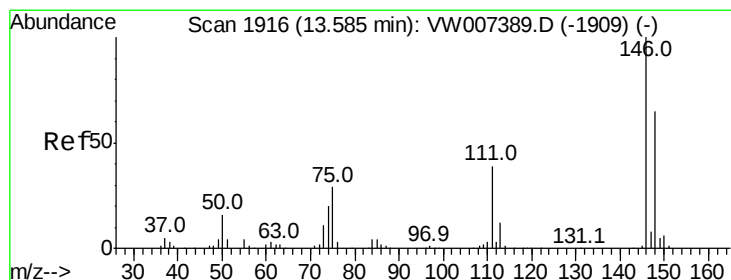
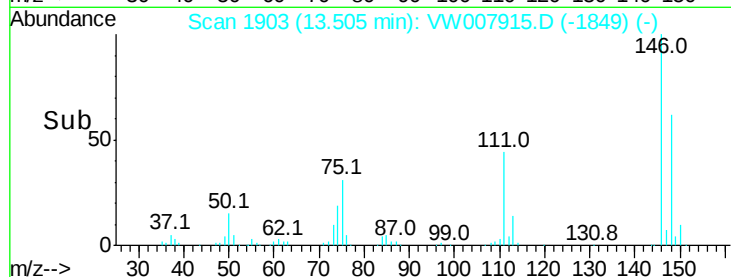
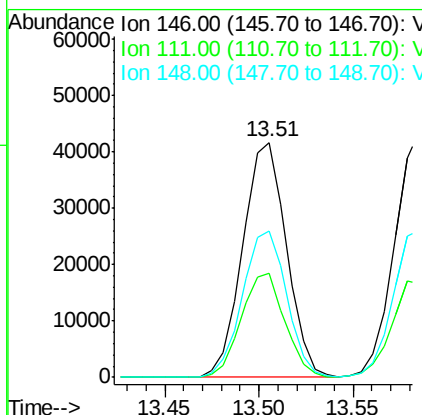
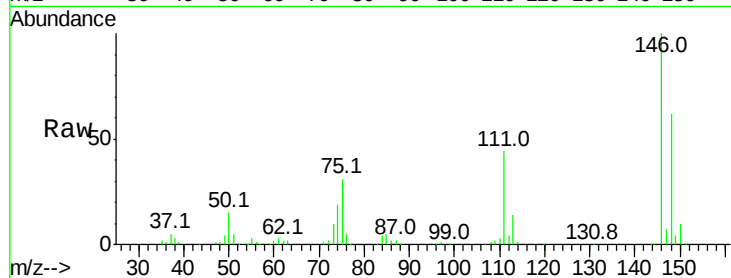




#63
 1,3-Dichlorobenzene
 Concen: 25.625 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

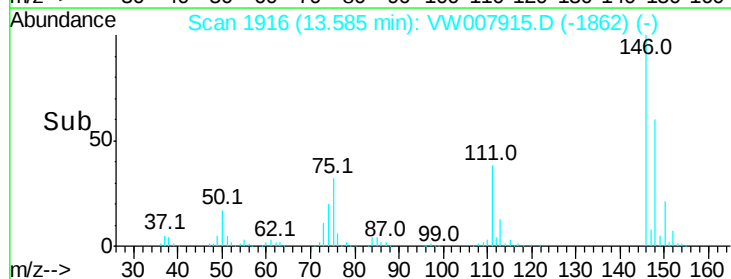
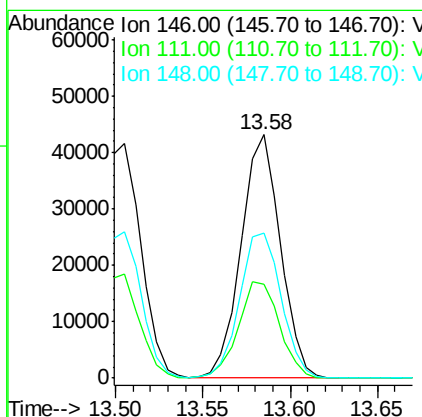
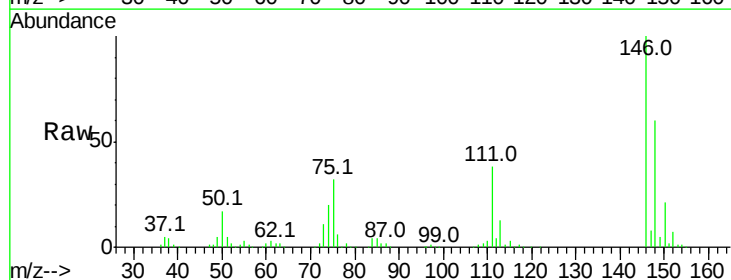
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

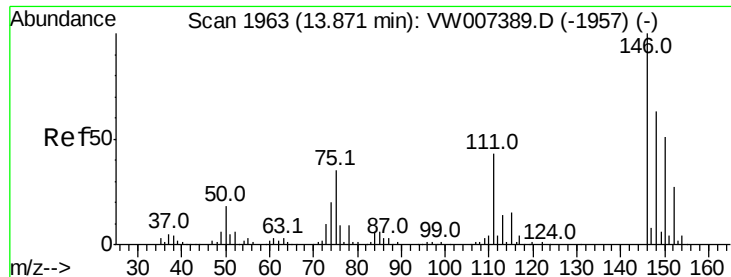
Tgt Ion:146 Resp: 67287
 Ion Ratio Lower Upper
 146 100
 111 44.3 31.0 57.6
 148 62.3 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 25.856 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion:146 Resp: 67685
 Ion Ratio Lower Upper
 146 100
 111 38.4 24.8 46.0
 148 59.5 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 25.994 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

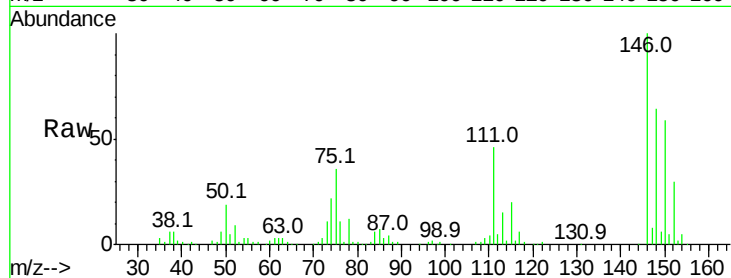
Tgt Ion:146 Resp: 61085

Ion Ratio Lower Upper

146 100

111 45.5 39.3 58.9

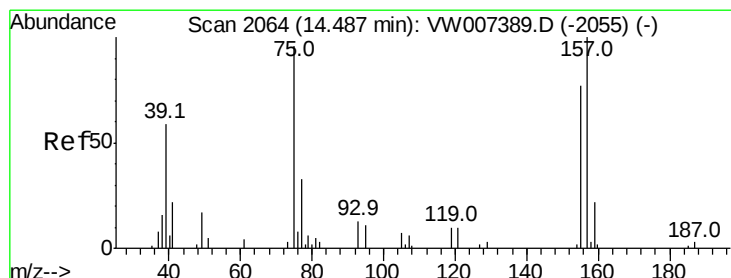
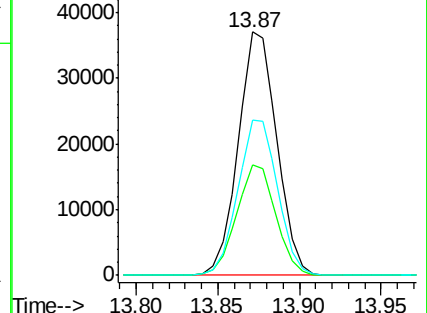
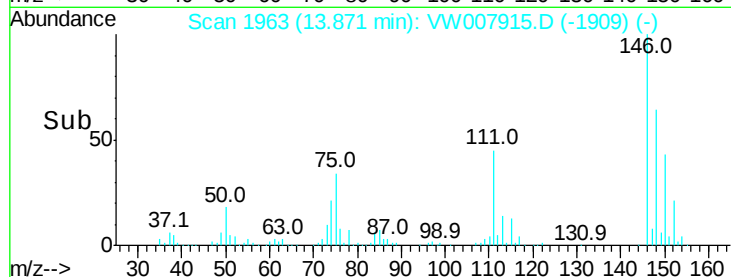
148 63.7 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.323 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

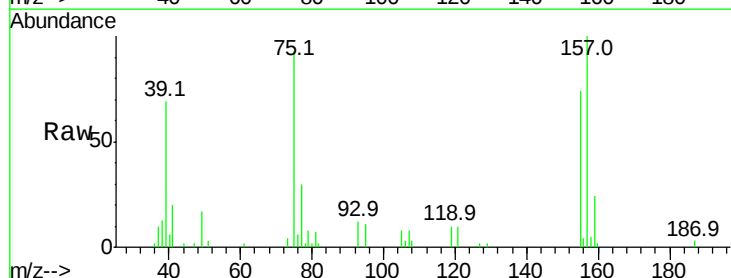
Tgt Ion: 75 Resp: 6054

Ion Ratio Lower Upper

75 100

157 107.0 86.0 129.0

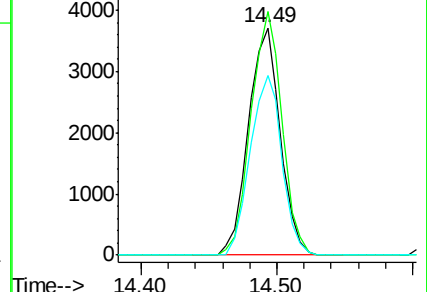
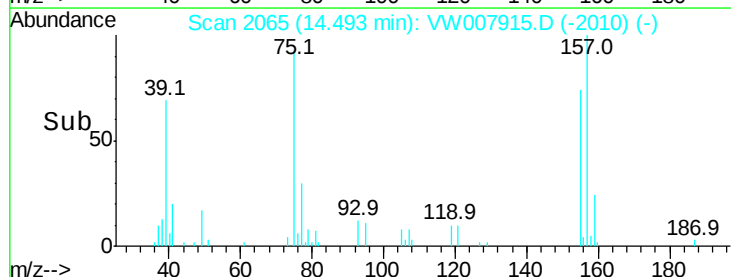
155 79.2 64.9 97.3

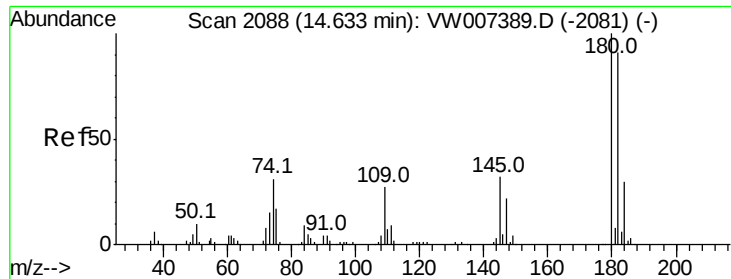


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

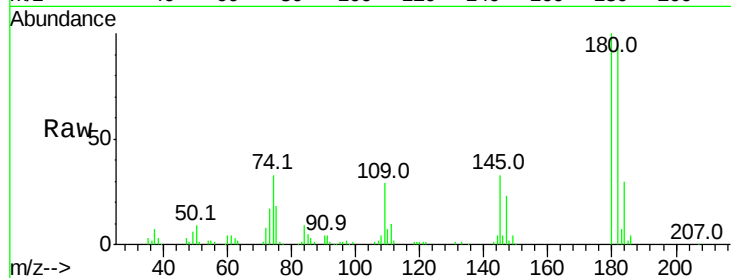




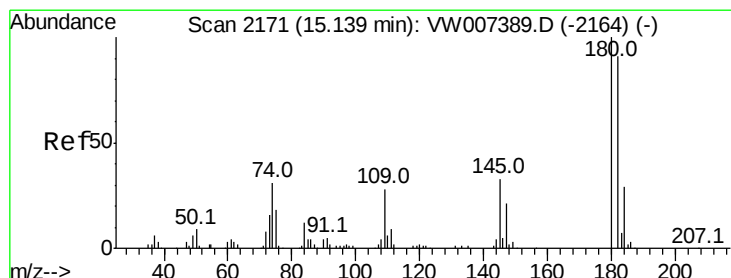
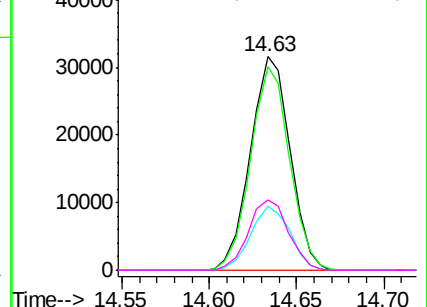
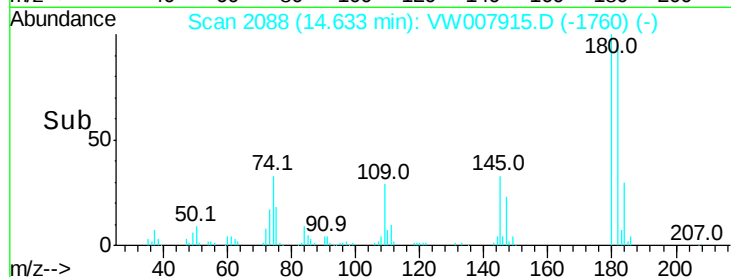
#67
 1,3,5-Trichlorobenzene
 Concen: 26.267 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

Tgt Ion:180 Resp: 49963
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.6 111.8
 184 29.4 24.7 37.1
 145 33.2 27.2 40.8

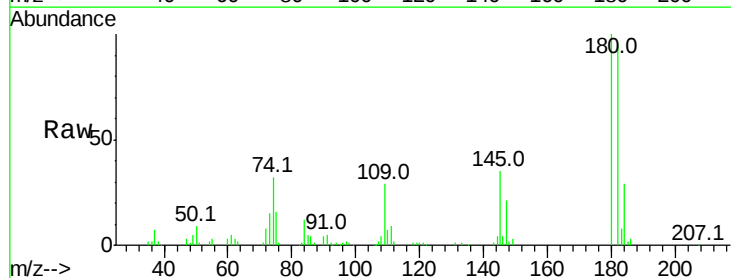


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

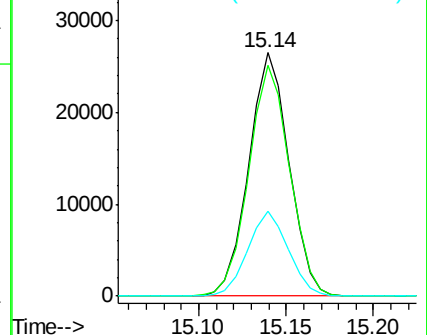
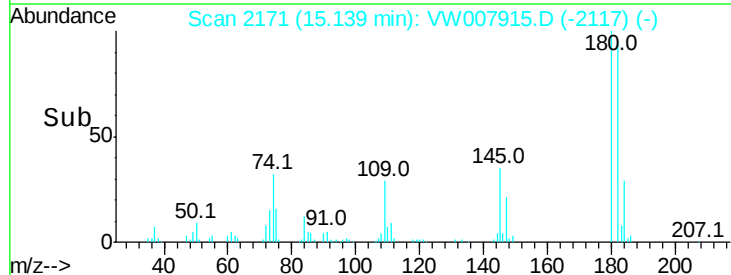


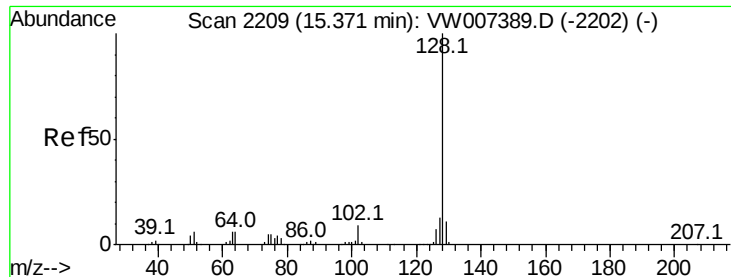
#68
 1,2,4-trichlorobenzene
 Concen: 25.879 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007915.D
 Acq: 26 Dec 2018 09:51

Tgt Ion:180 Resp: 42439
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.4 116.2
 145 34.9 28.4 42.6



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: 24.440 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

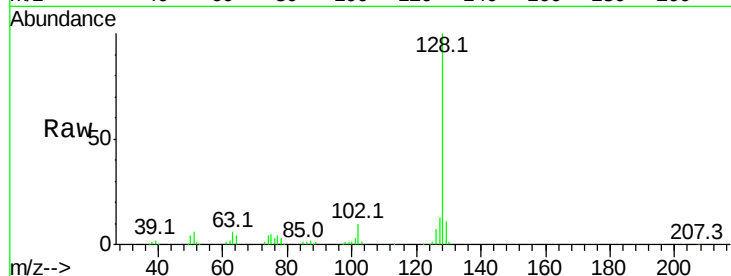
Tgt Ion:128 Resp: 99067

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

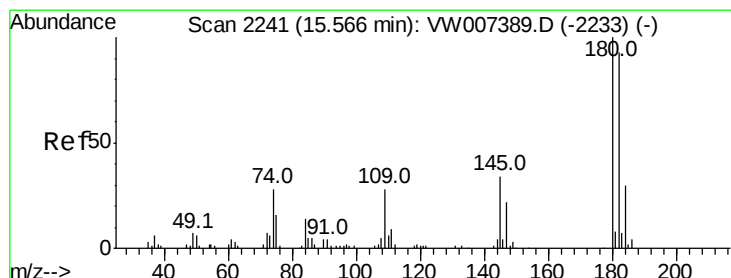
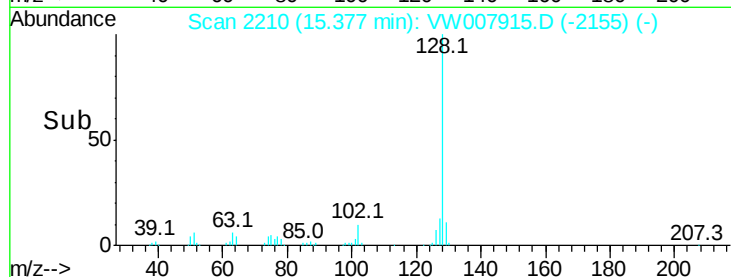
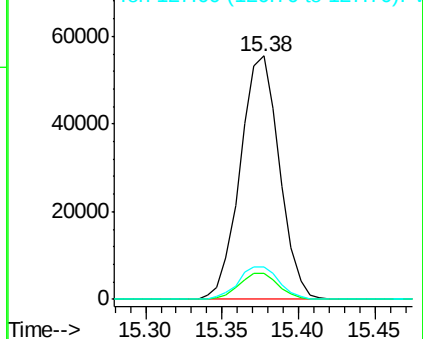
127 13.9 10.7 16.1



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: 25.420 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007915.D

Acq: 26 Dec 2018 09:51

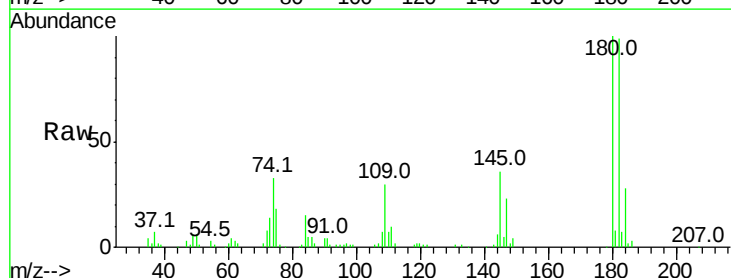
Tgt Ion:180 Resp: 37898

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

145 36.8 27.4 41.0



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

