

Data File : VW008915.D
Acq On : 01 Mar 2019 09:57
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Quant Time: Mar 02 02:52:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 20 13:48:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	433300	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	425887	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	159075	23.60	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
7) Chloroethane-d5	2.88	69	144232	23.83	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.32%
10) 1,1-Dichloroethene-d2	4.01	63	269429	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.12%
20) 2-Butanone-d5	7.08	46	82951	41.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.54%
24) Chloroform-d	7.65	84	253883	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	150408	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.27	84	537610	26.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.20%
33) 1,2-Dichloropropane-d6	9.27	67	156542	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.56%
37) Toluene-d8	10.32	98	548681	26.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.20%
38) trans-1,3-Dichloropropene-	10.58	79	70793	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.32%
39) 2-Hexanone-d5	10.93	63	70896	43.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142231	23.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	203662	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	194519	23.369 ug/L	94
3) Chloromethane	2.21	50	195250	22.693 ug/L	100
5) Vinyl chloride	2.35	62	195920	22.210 ug/L	96
6) Bromomethane	2.77	94	142007	24.279 ug/L	100
8) Chloroethane	2.92	64	128894	21.823 ug/L	97
9) Trichlorofluoromethane	3.26	101	240471	22.797 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137364	22.050 ug/L	96
12) 1,1-Dichloroethene	4.03	96	118937	22.006 ug/L	92
13) Acetone	4.14	43	84723	44.429 ug/L	99
14) Carbon disulfide	4.37	76	413451	22.138 ug/L	99
16) Methylene chloride	4.91	84	149752	21.373 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	306366	20.156 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137312	23.076 ug/L	89
19) 1,1-Dichloroethane	6.21	63	227513	22.519 ug/L	96
21) 2-Butanone	7.17	43	103890	38.935 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	139959	21.930 ug/L	88
23) Bromochloromethane	7.51	128	63340	21.691 ug/L #	83

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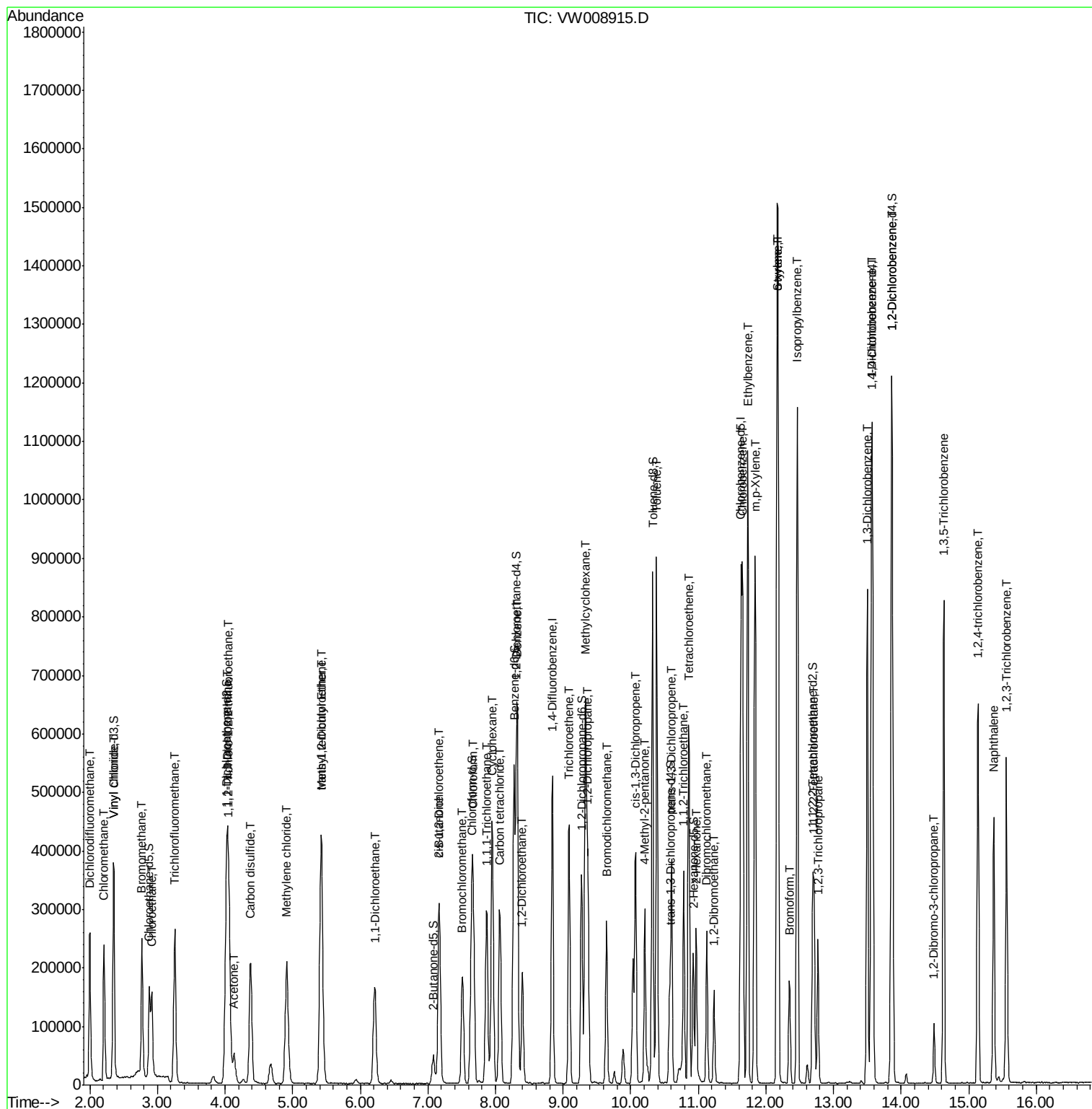
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	254431	23.923	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170482	22.041	ug/L #	93
30) Cyclohexane	7.95	56	230797	23.024	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	230587	23.452	ug/L	96
32) Carbon tetrachloride	8.07	117	207471	23.089	ug/L	99
34) Benzene	8.32	78	546717	23.663	ug/L	100
35) Trichloroethene	9.09	95	141081	22.623	ug/L	96
36) Methylcyclohexane	9.34	83	251137	22.696	ug/L	95
40) 1,2-Dichloropropane	9.37	63	134069	23.491	ug/L	98
41) Bromodichloromethane	9.64	83	178401	22.989	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	213056	23.014	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	199874	38.779	ug/L	96
44) Toluene	10.39	91	639131	24.062	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	183559	22.204	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101061	21.179	ug/L	99
47) Tetrachloroethene	10.86	164	137065	24.143	ug/L	91
49) 2-Hexanone	10.97	43	168092	41.577	ug/L #	90
50) Dibromochloromethane	11.13	129	126818	21.922	ug/L	95
51) 1,2-Dibromoethane	11.23	107	101339	20.995	ug/L	96
52) Chlorobenzene	11.66	112	415806	23.260	ug/L	96
53) Ethylbenzene	11.73	91	729178	23.627	ug/L	100
54) m,p-Xylene	11.84	106	284079	23.408	ug/L	91
55) o-xylene	12.16	106	266014	22.785	ug/L	96
56) Styrene	12.18	104	448643	22.913	ug/L	96
57) Isopropylbenzene	12.46	105	725677	23.301	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	130461	20.378	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	93336	19.719	ug/L	98
62) Bromoform	12.35	173	76729	22.262	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	341383	23.495	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	341780	23.153	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	311676	23.158	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22017	18.424	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	249929	21.847	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	201612	20.460	ug/L	97
69) Naphthalene	15.37	128	382957	18.877	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	184259	20.348	ug/L	97

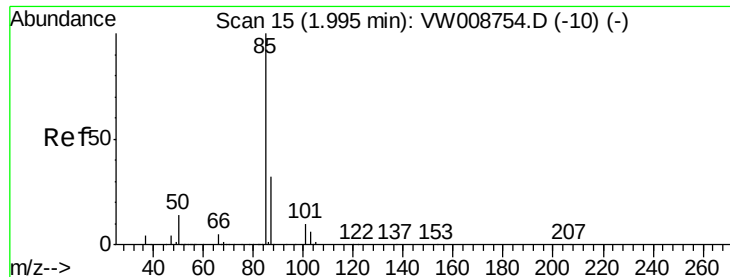
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.369 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

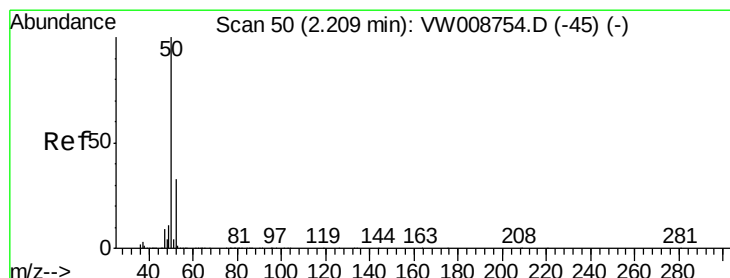
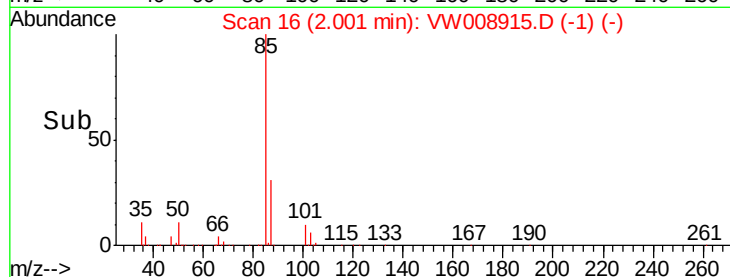
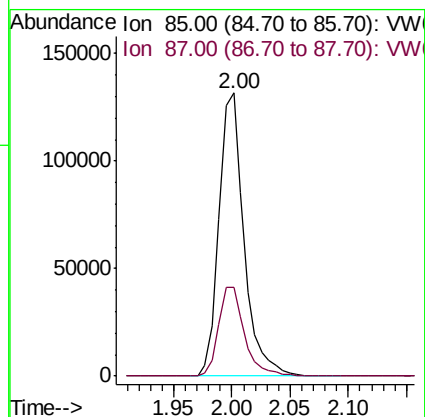
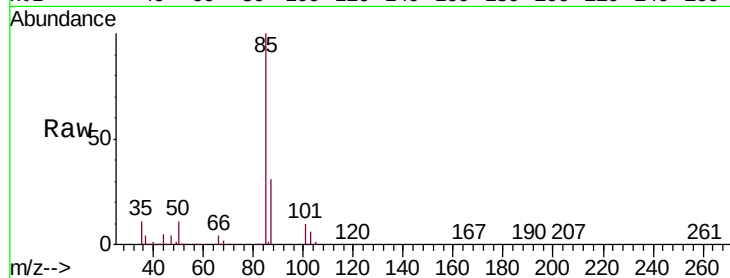
VSTD02588

Tgt Ion: 85 Resp: 194519

Ion Ratio Lower Upper

85 100

87 32.7 20.6 38.4



#3

Chloromethane

Concen: 22.693 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008915.D

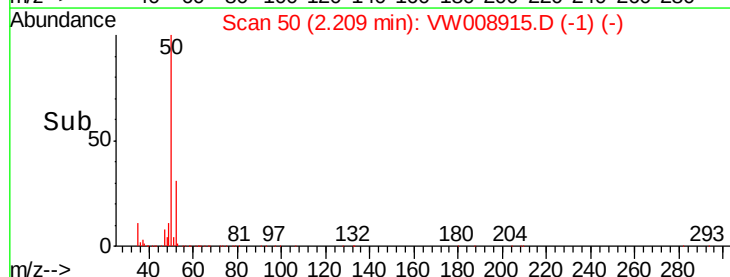
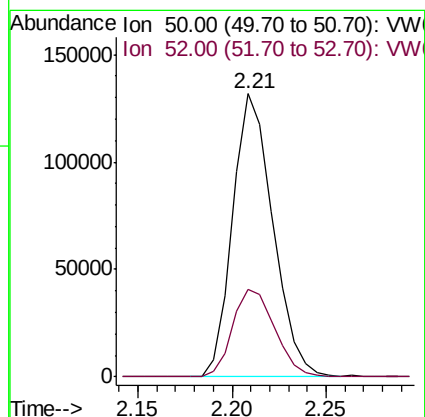
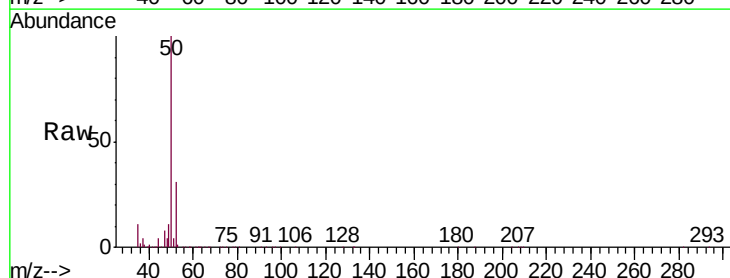
Acq: 01 Mar 2019 09:57

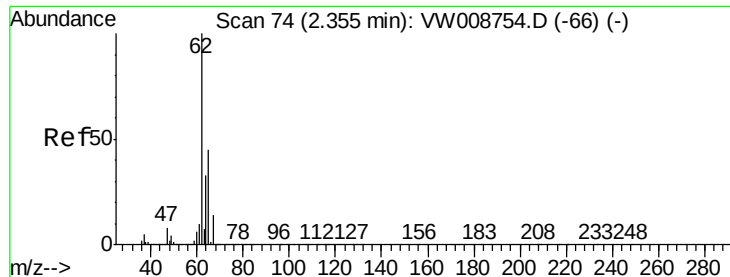
Tgt Ion: 50 Resp: 195250

Ion Ratio Lower Upper

50 100

52 30.8 21.4 39.8





#5

Vinyl chloride

Concen: 22.210 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

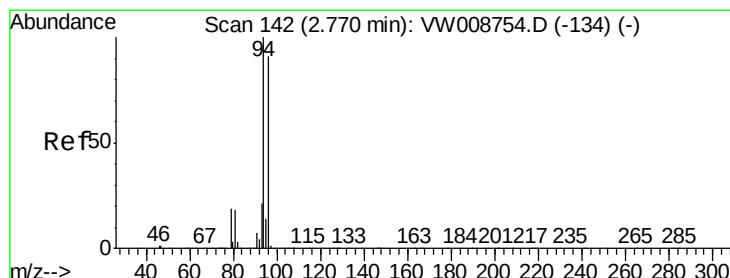
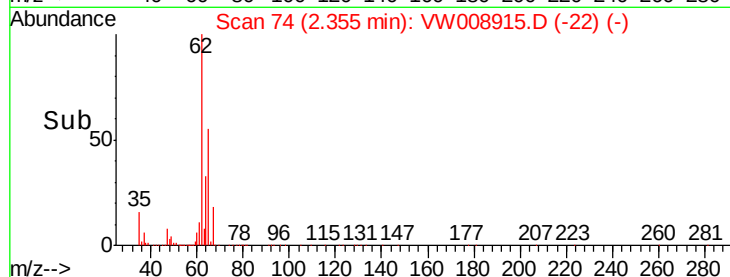
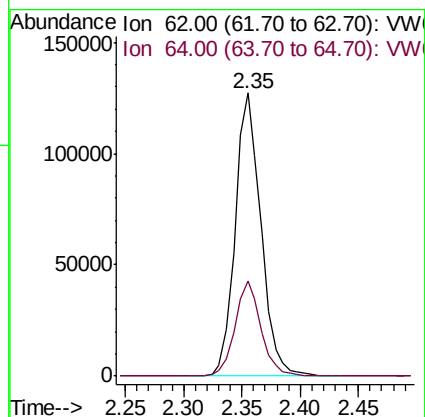
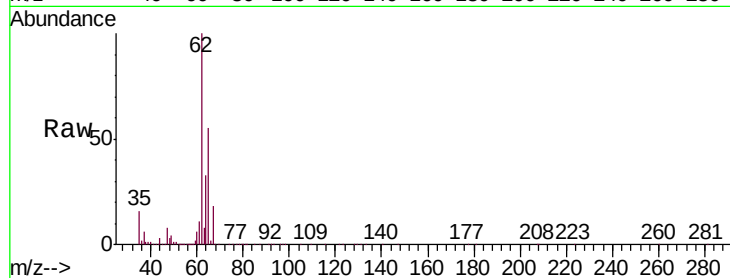
VSTD02588

Tgt Ion: 62 Resp: 195920

Ion Ratio Lower Upper

62 100

64 33.5 22.0 41.0



#6

Bromomethane

Concen: 24.279 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008915.D

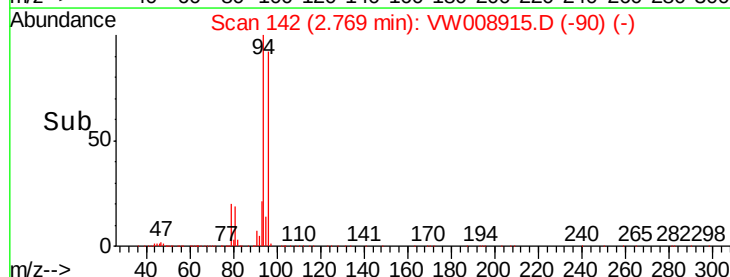
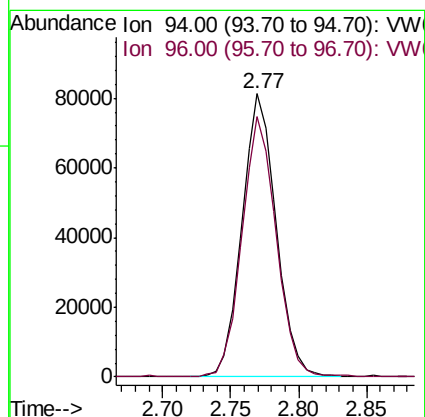
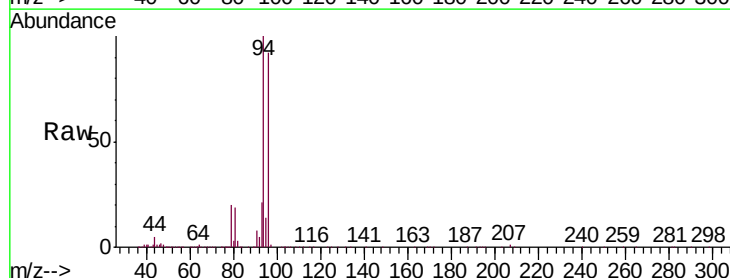
Acq: 01 Mar 2019 09:57

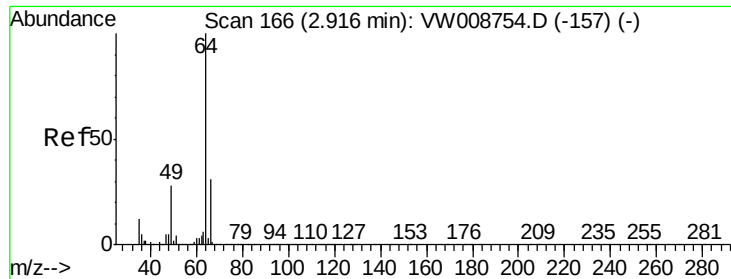
Tgt Ion: 94 Resp: 142007

Ion Ratio Lower Upper

94 100

96 92.3 9.2 175.4

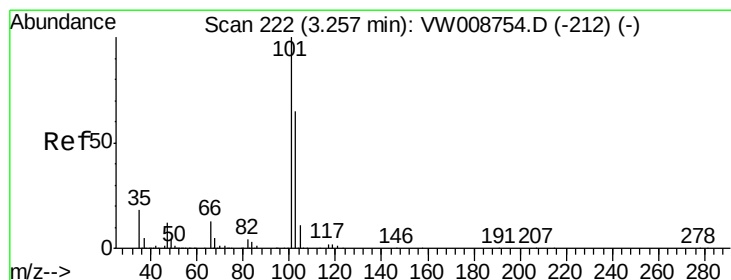
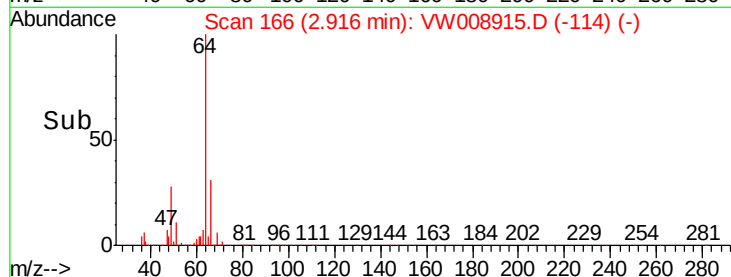
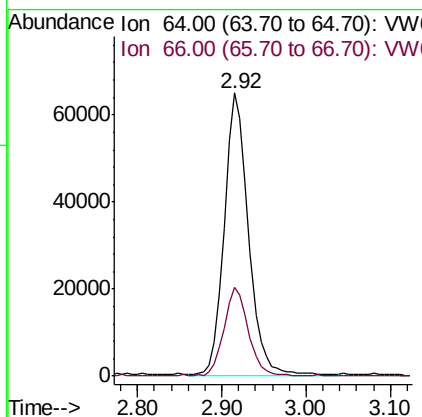
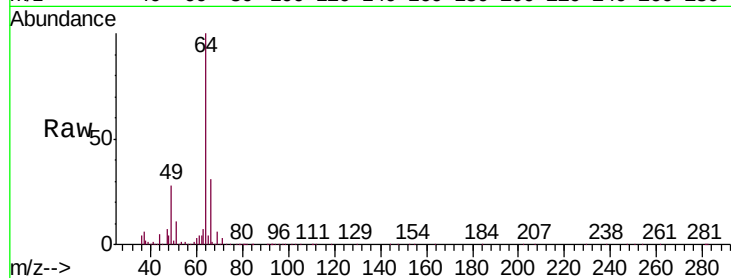




#8
Chloroethane
Concen: 21.823 ug/L
RT: 2.92 min Scan# 166
Delta R.T. -0.01 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

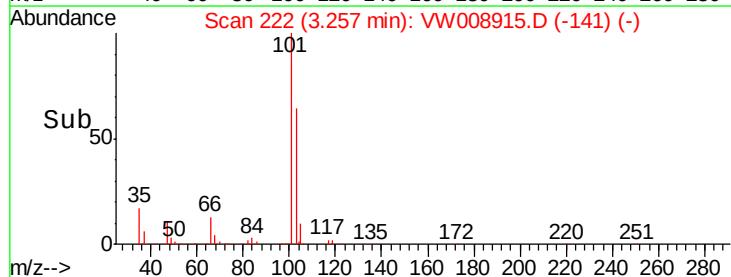
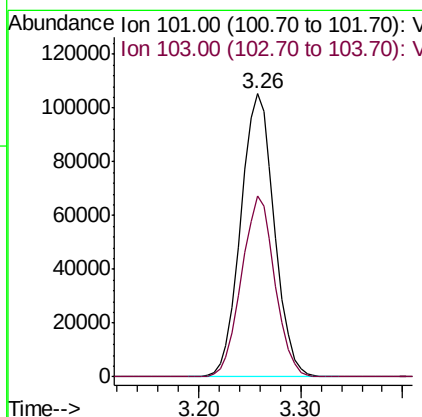
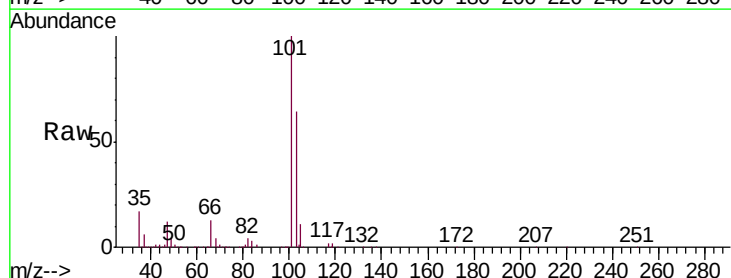
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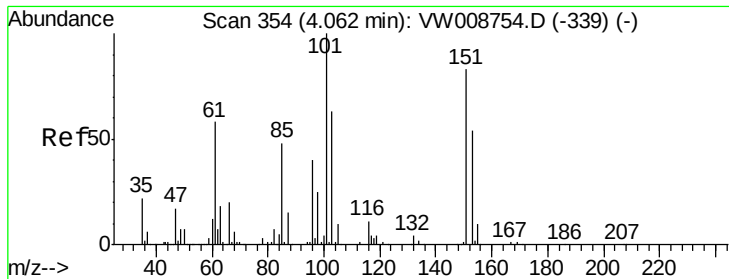
Tgt Ion: 64 Resp: 128894
Ion Ratio Lower Upper
64 100
66 31.4 23.3 43.3



#9
Trichlorofluoromethane
Concen: 22.797 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

Tgt Ion: 101 Resp: 240471
Ion Ratio Lower Upper
101 100
103 63.6 44.7 83.1





#11

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

Concen: 22.050 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

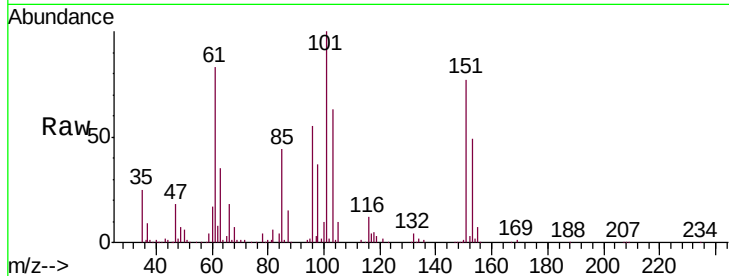
Tgt Ion: 101 Resp: 137364

Ion Ratio Lower Upper

101 100

85 44.8 33.4 50.2

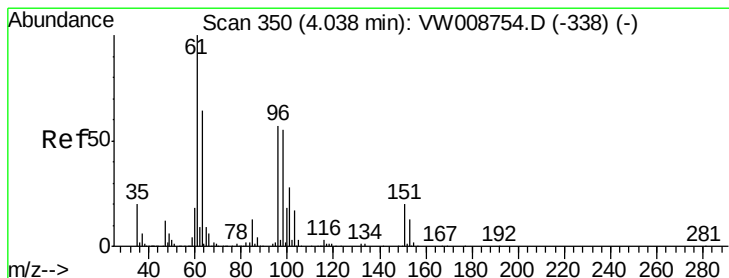
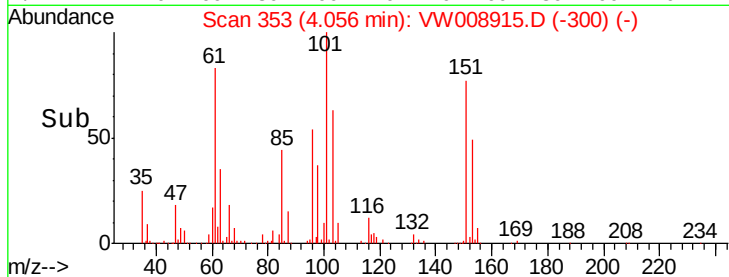
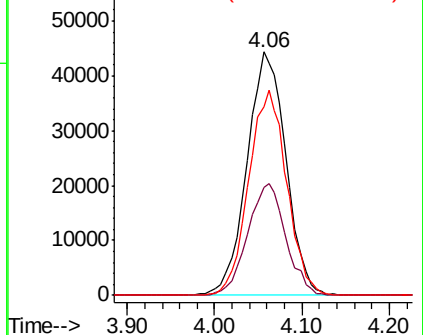
151 82.5 63.2 94.8



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: 22.006 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

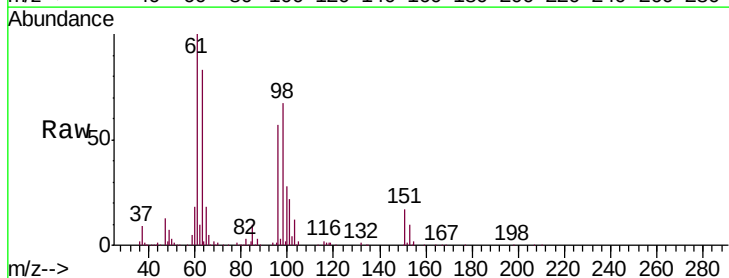
Tgt Ion: 96 Resp: 118937

Ion Ratio Lower Upper

96 100

61 176.1 120.3 223.3

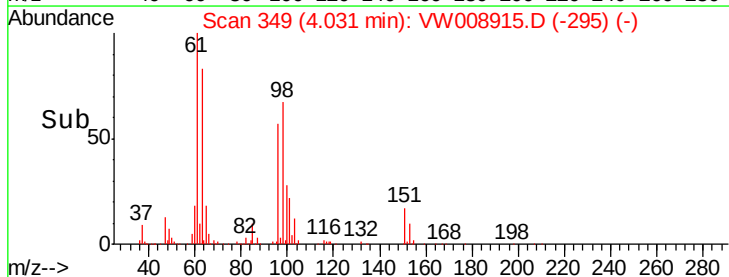
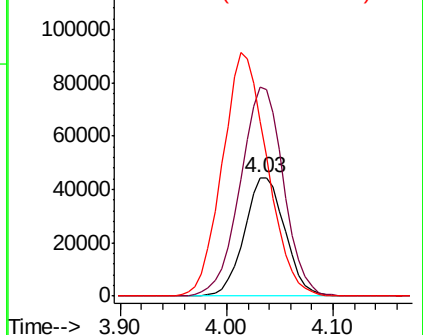
63 147.0 91.6 170.0

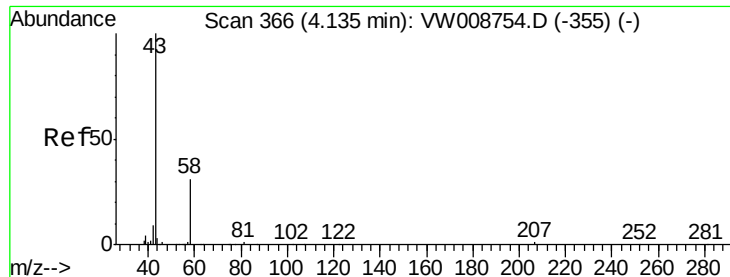


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.429 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

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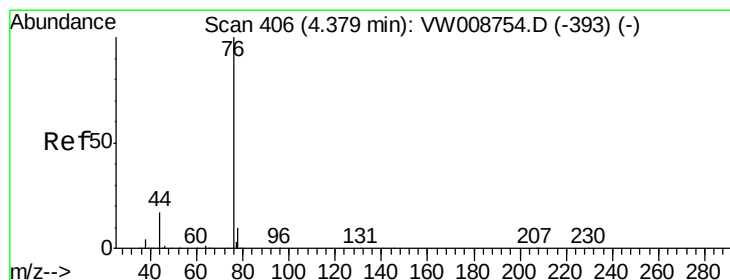
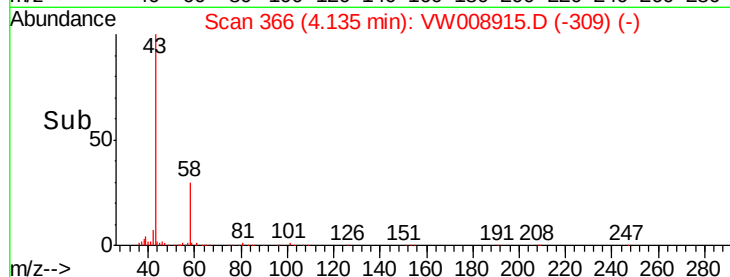
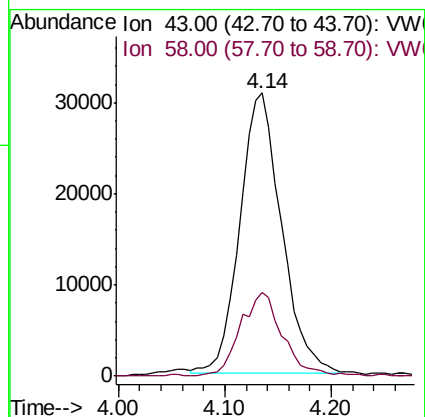
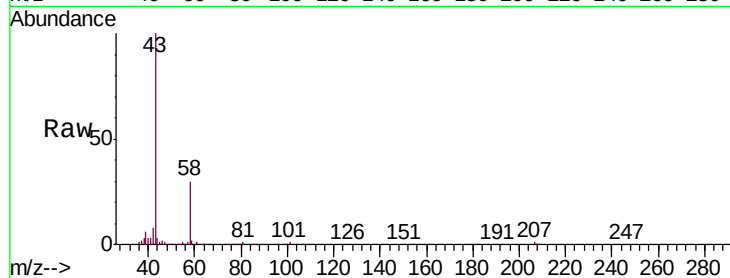
VSTD02588

Tgt Ion: 43 Resp: 84723

Ion Ratio Lower Upper

43 100

58 29.9 0.0 58.6



#14

Carbon disulfide

Concen: 22.138 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008915.D

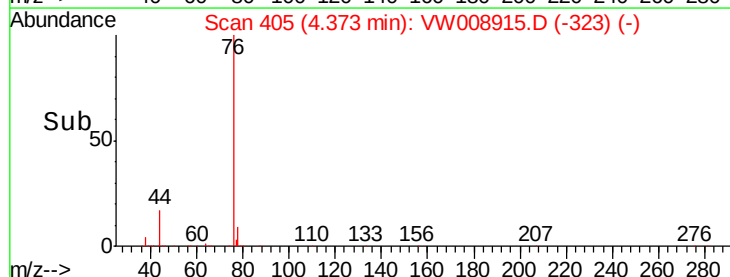
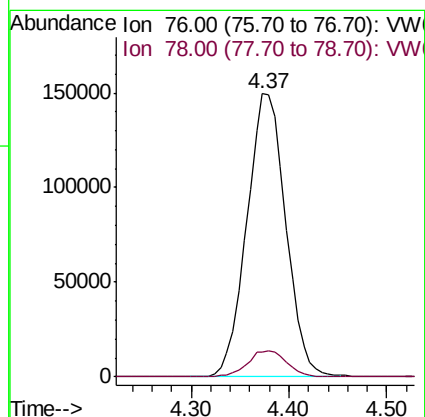
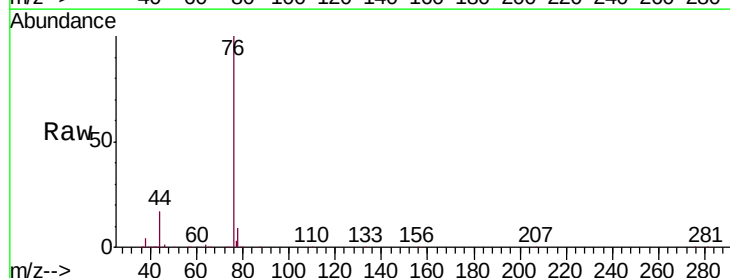
Acq: 01 Mar 2019 09:57

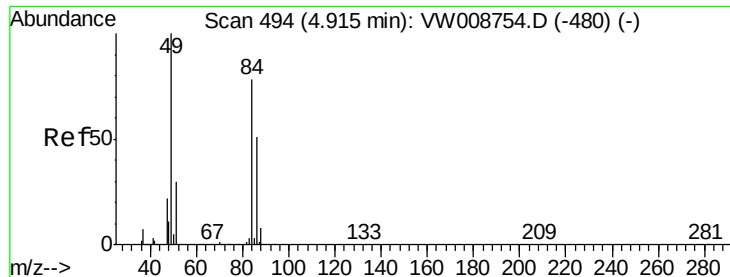
Tgt Ion: 76 Resp: 413451

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

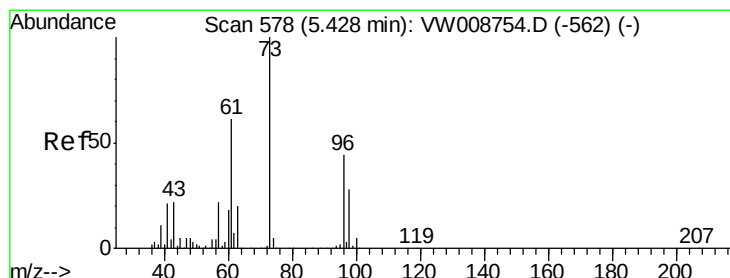
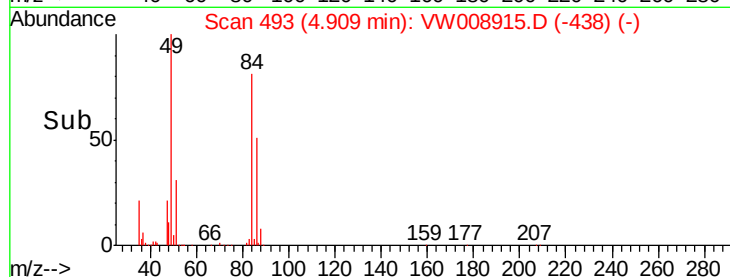
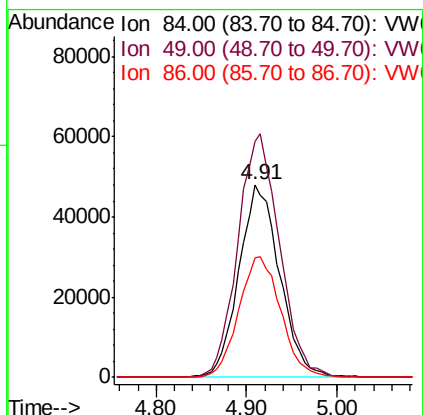
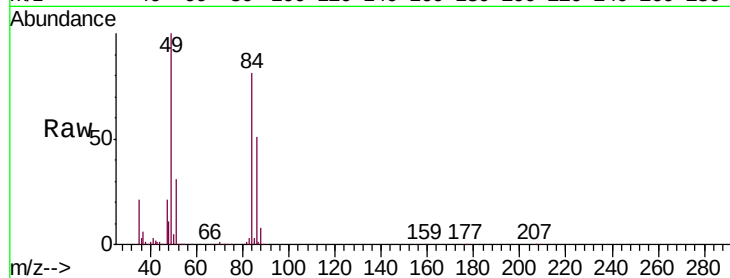




#16
Methylene chloride
Concen: 21.373 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

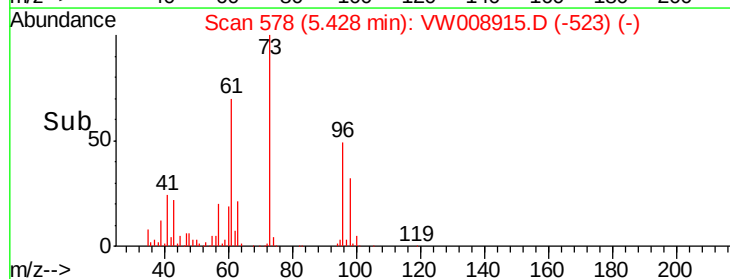
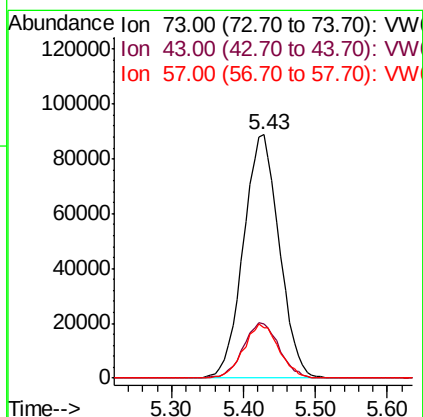
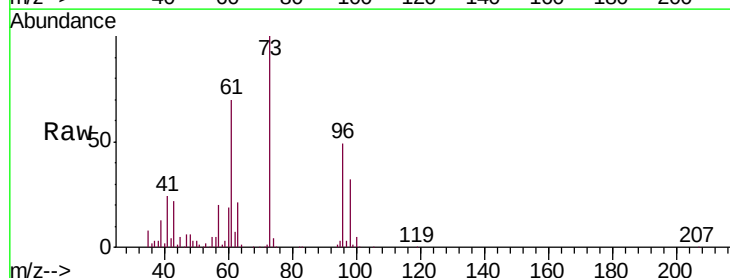
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

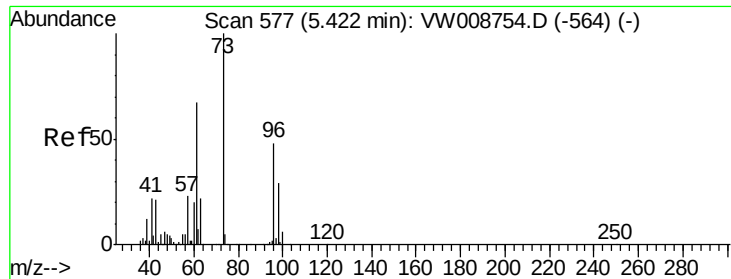
Tgt Ion: 84 Resp: 149752
Ion Ratio Lower Upper
84 100
49 122.8 79.2 147.0
86 62.3 43.2 80.2



#17
Methyl tert-butyl Ether
Concen: 20.156 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

Tgt Ion: 73 Resp: 306366
Ion Ratio Lower Upper
73 100
43 22.9 18.5 27.7
57 21.7 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 23.076 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

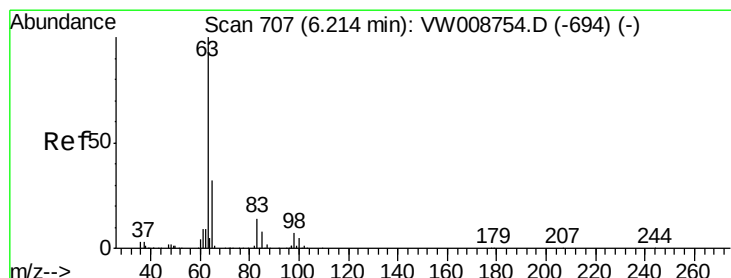
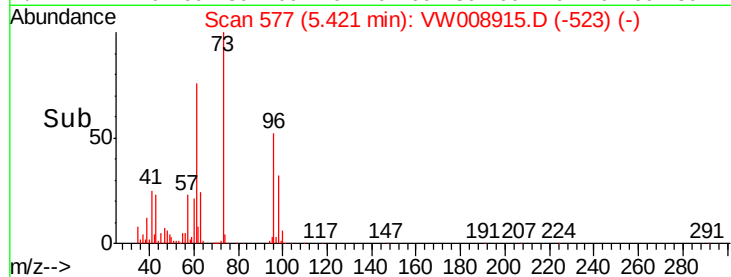
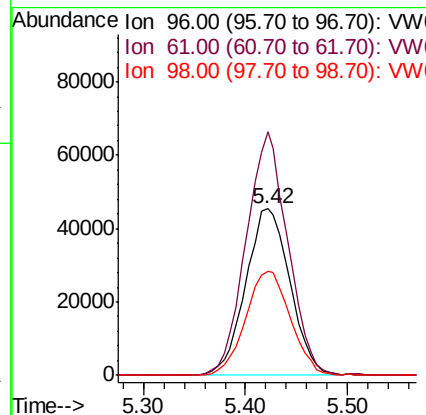
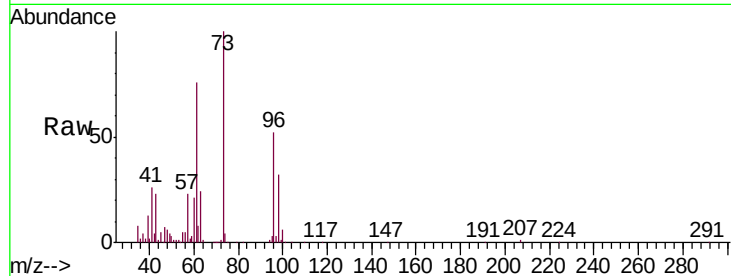
Tgt Ion: 96 Resp: 137312

Ion Ratio Lower Upper

96 100

61 146.2 91.4 169.8

98 62.8 48.0 89.2



#19

1,1-Dichloroethane

Concen: 22.519 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

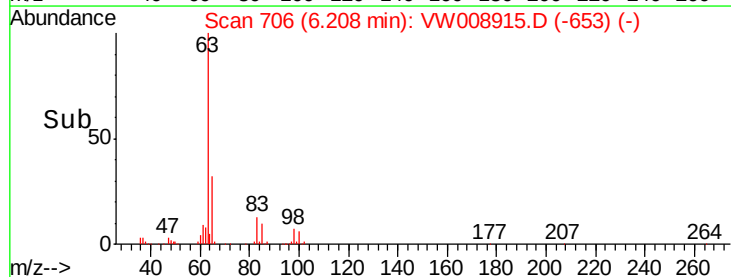
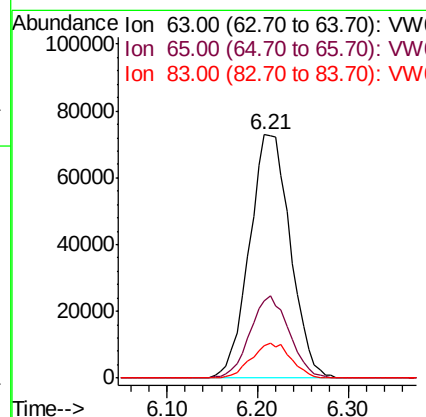
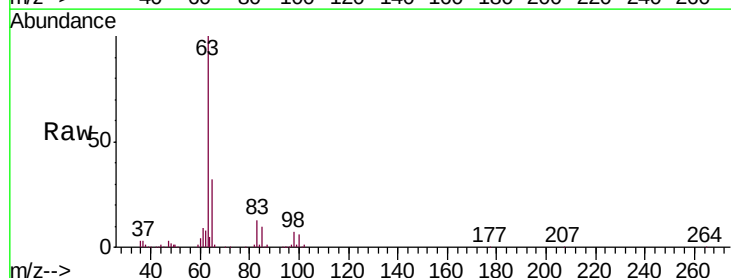
Tgt Ion: 63 Resp: 227513

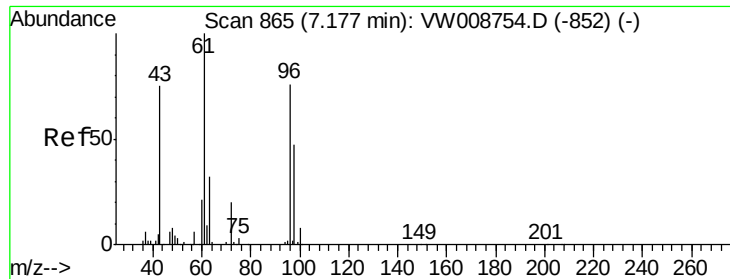
Ion Ratio Lower Upper

63 100

65 31.8 20.6 38.4

83 13.4 10.0 18.6





#21

2-Butanone

Concen: 38.935 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

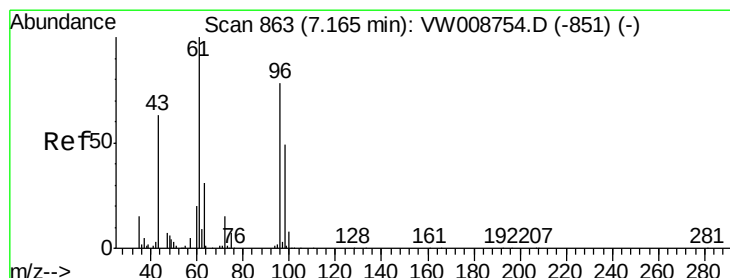
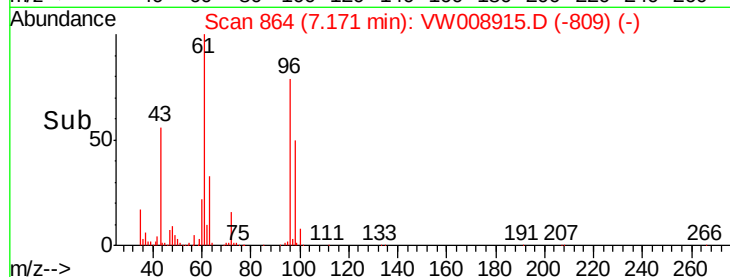
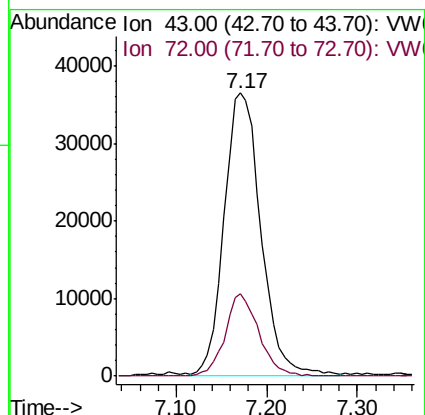
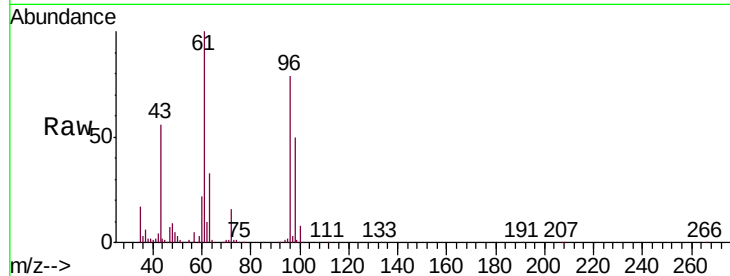
VSTD02588

Tgt Ion: 43 Resp: 103890

Ion Ratio Lower Upper

43 100

72 26.6 14.4 43.4



#22

cis-1,2-Dichloroethene

Concen: 21.930 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

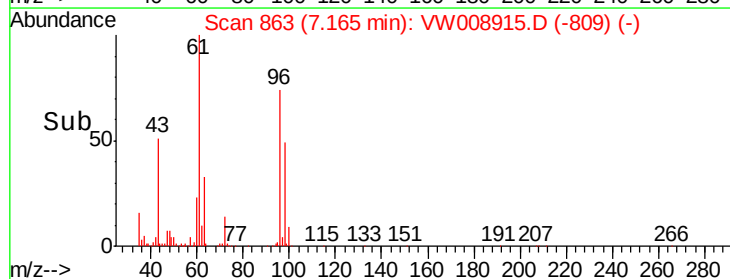
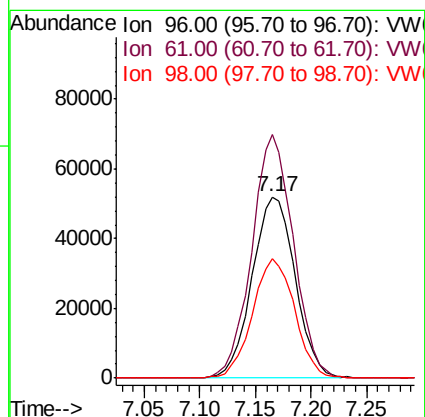
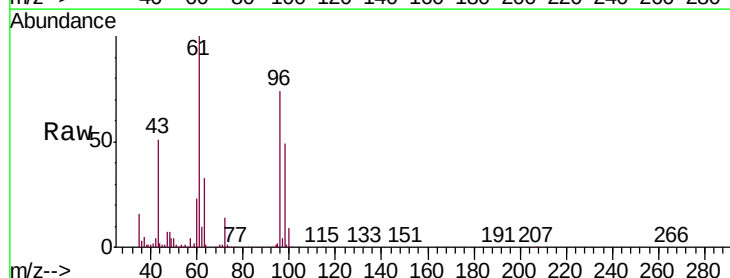
Tgt Ion: 96 Resp: 139959

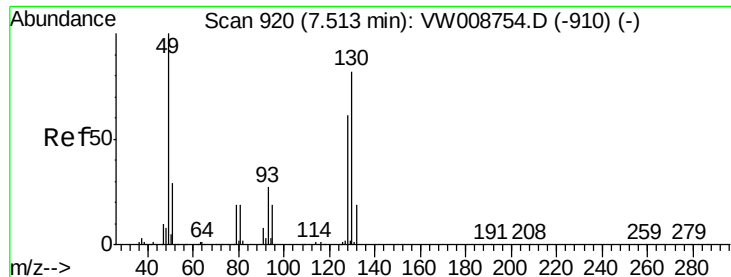
Ion Ratio Lower Upper

96 100

61 134.3 83.4 155.0

98 66.2 42.3 78.5





#23

Bromochloromethane

Concen: 21.691 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion:128 Resp: 63340

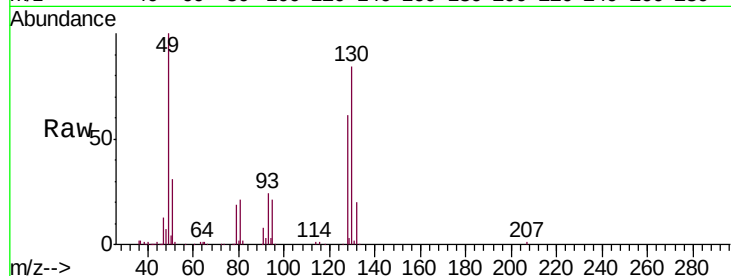
Ion Ratio Lower Upper

128 100

49 165.0 96.9 180.1

130 138.0 86.2 160.0

51 51.3 33.5 50.3#

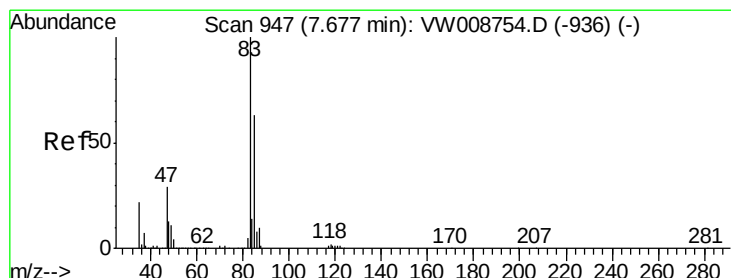
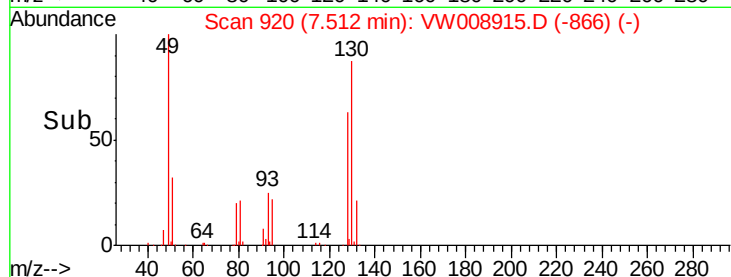
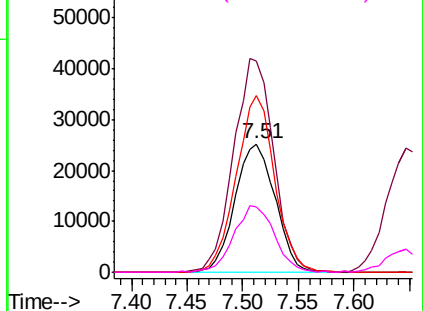


Abundance Ion 128.00 (127.70 to 128.70): V

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: 23.923 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW008915.D

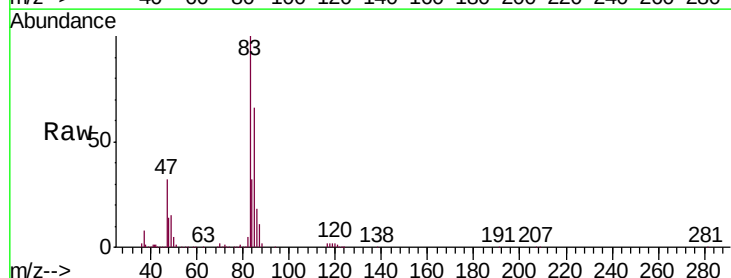
Acq: 01 Mar 2019 09:57

Tgt Ion: 83 Resp: 254431

Ion Ratio Lower Upper

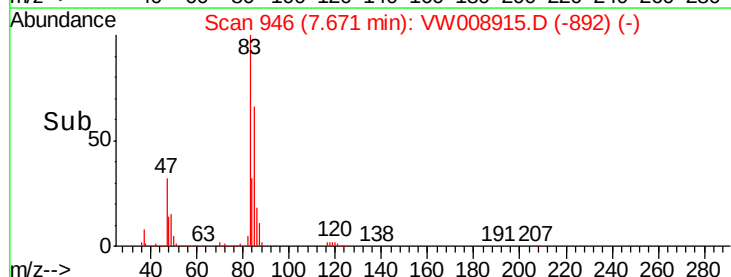
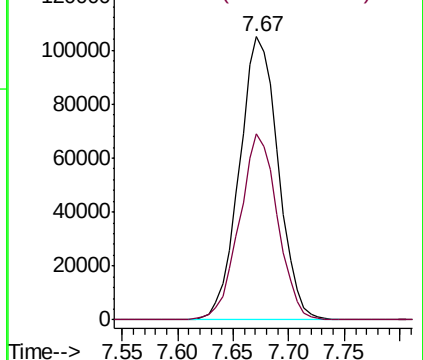
83 100

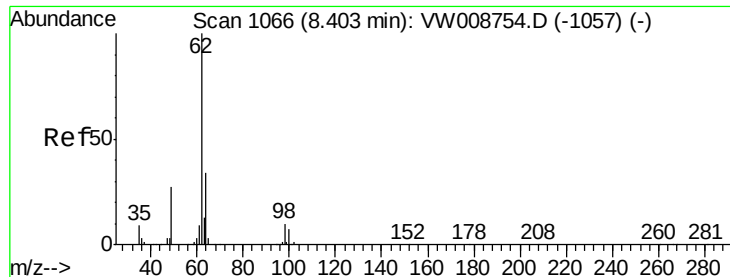
85 64.8 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

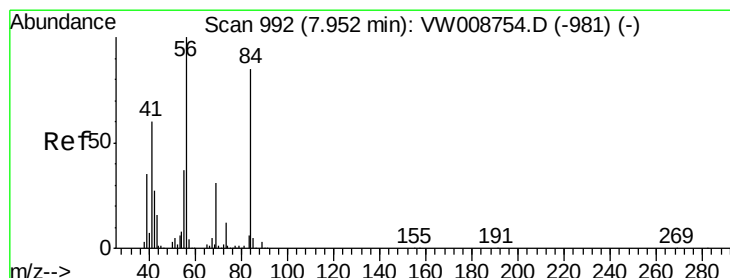
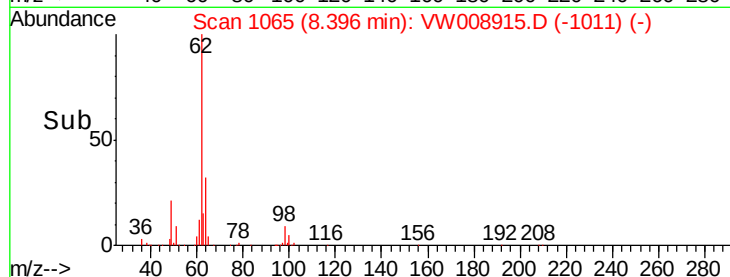
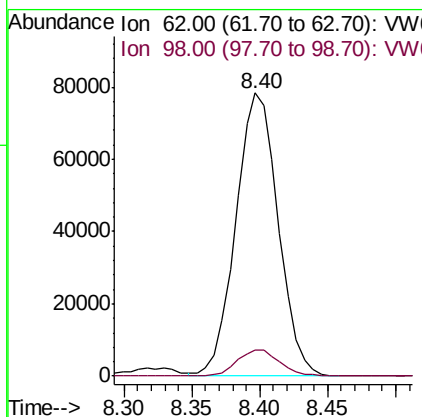
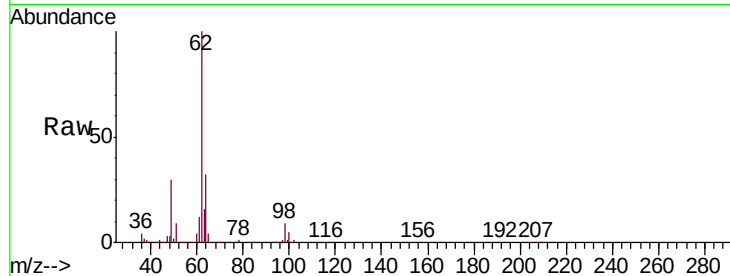




#27
 1,2-Dichloroethane
 Concen: 22.041 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

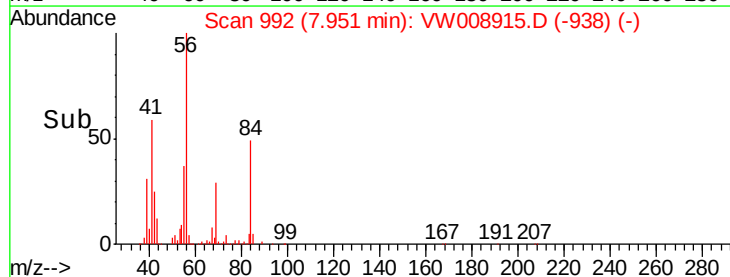
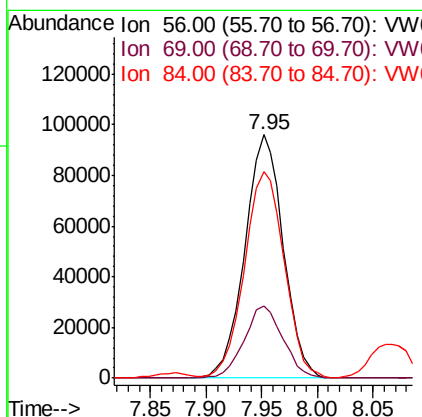
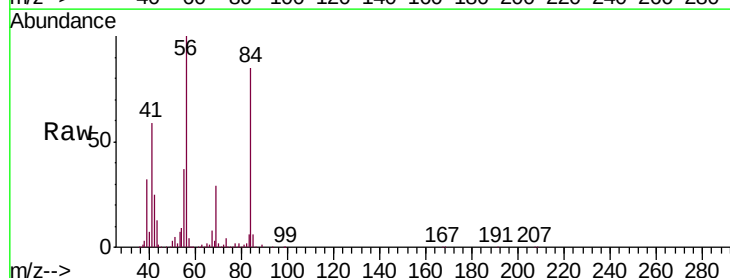
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

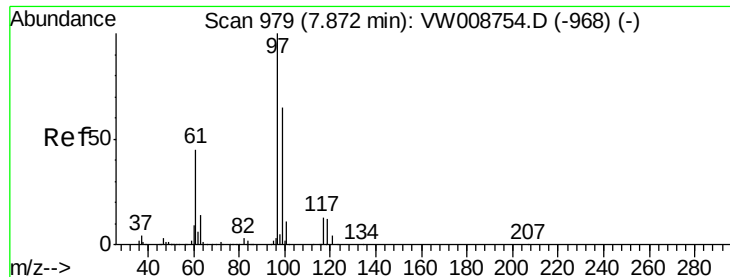
Tgt Ion: 62 Resp: 170482
 Ion Ratio Lower Upper
 62 100
 98 9.2 5.4 8.2#



#30
 Cyclohexane
 Concen: 23.024 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Tgt Ion: 56 Resp: 230797
 Ion Ratio Lower Upper
 56 100
 69 29.6 26.2 39.4
 84 87.9 74.3 111.5





#31

1,1,1-Trichloroethane

Concen: 23.452 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

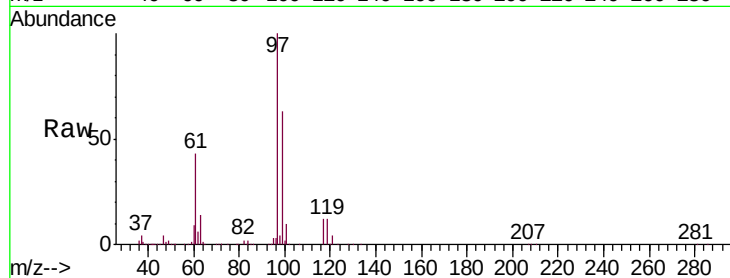
Tgt Ion: 97 Resp: 230587

Ion Ratio Lower Upper

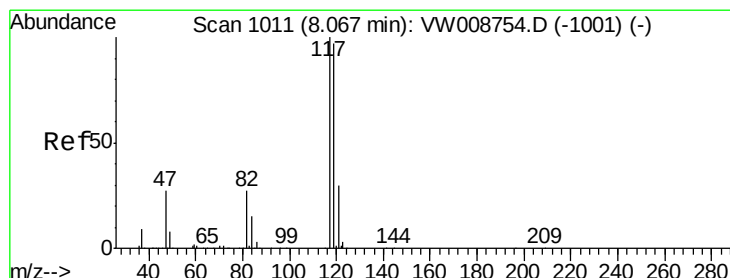
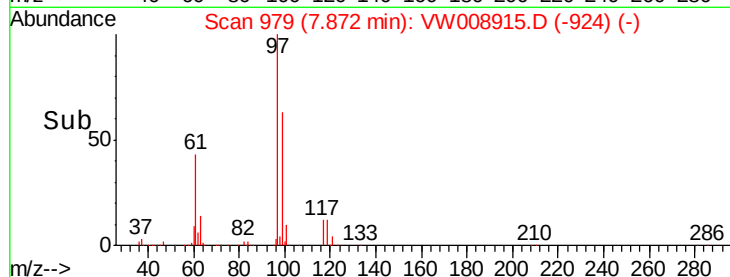
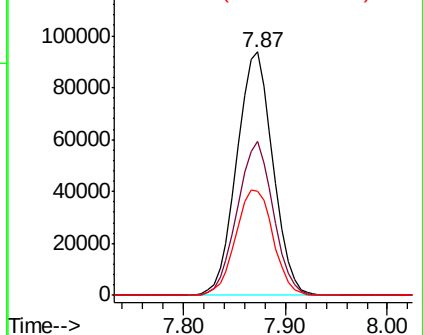
97 100

99 62.9 52.3 78.5

61 44.9 33.5 50.3



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



#32

Carbon tetrachloride

Concen: 23.089 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW008915.D

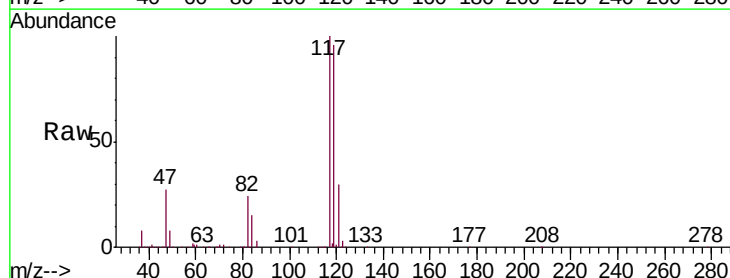
Acq: 01 Mar 2019 09:57

Tgt Ion: 117 Resp: 207471

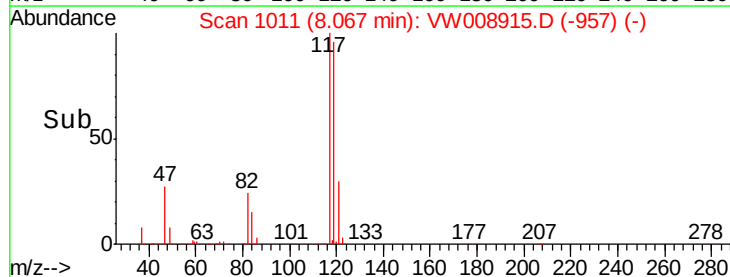
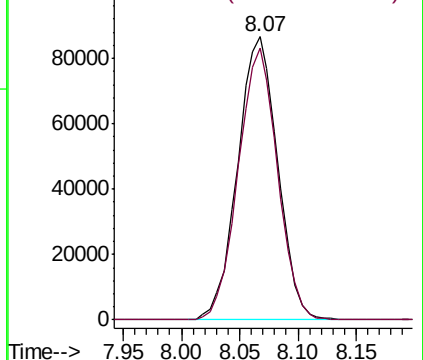
Ion Ratio Lower Upper

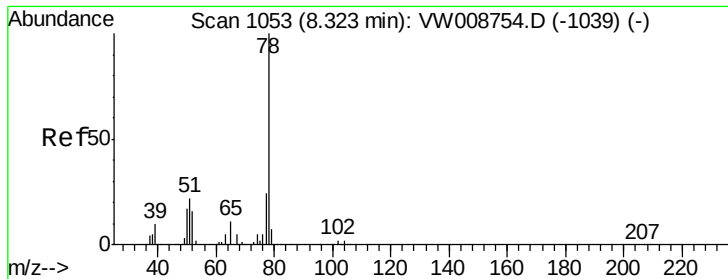
117 100

119 94.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 23.663 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

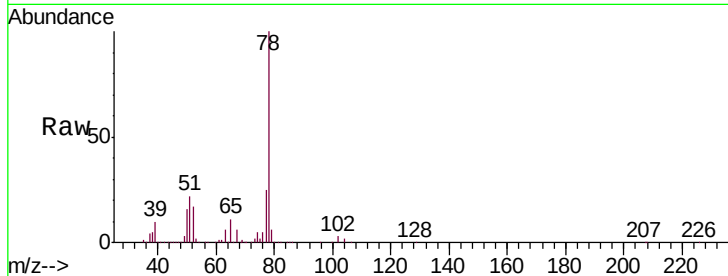
Instrument :

MSVOA_W

ClientSampleId :

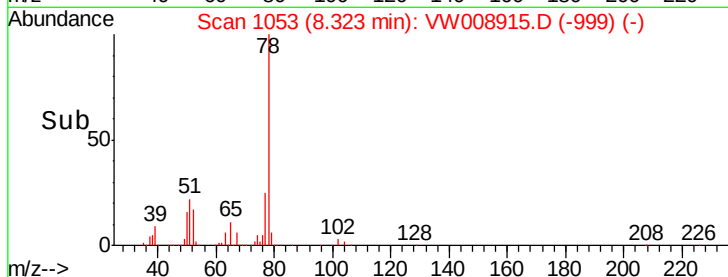
VSTD02588

Tgt Ion: 78 Resp: 546717

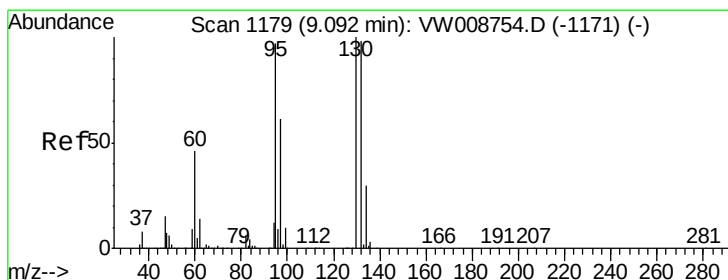


Abundance Ion 78.00 (77.70 to 78.70): VW

8.32



Time-->



#35

Trichloroethene

Concen: 22.623 ug/L

RT: 9.09 min Scan# 1178

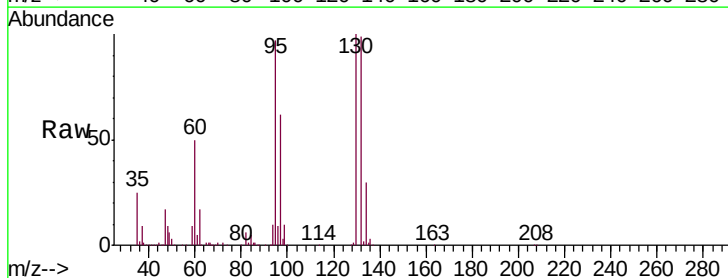
Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Tgt Ion: 95 Resp: 141081

Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.4	82.5
132	102.8	67.8	126.0
130	104.7	70.3	130.7

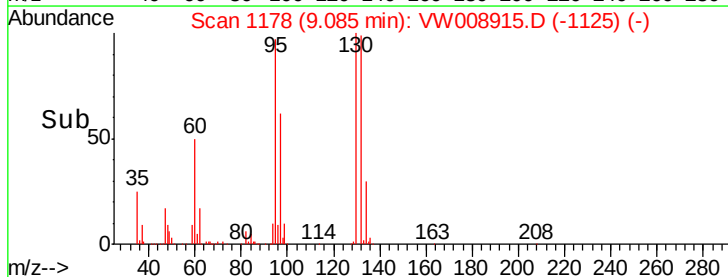


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

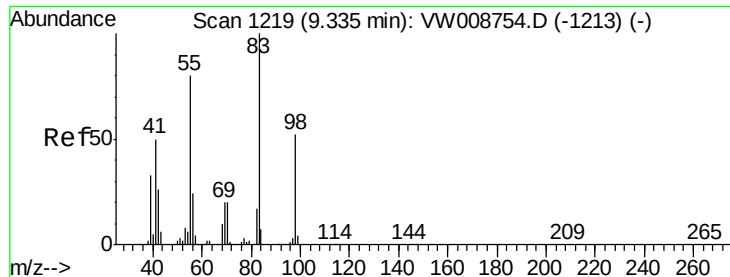
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->

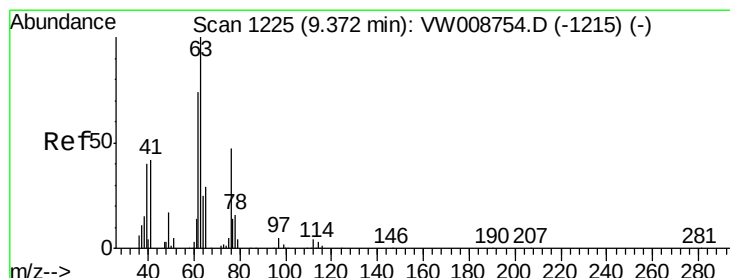
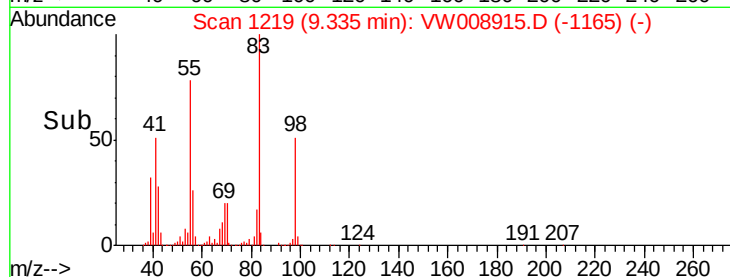
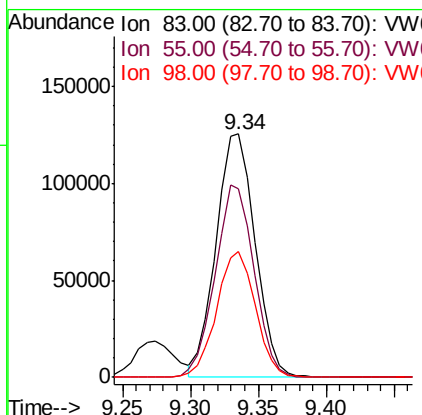
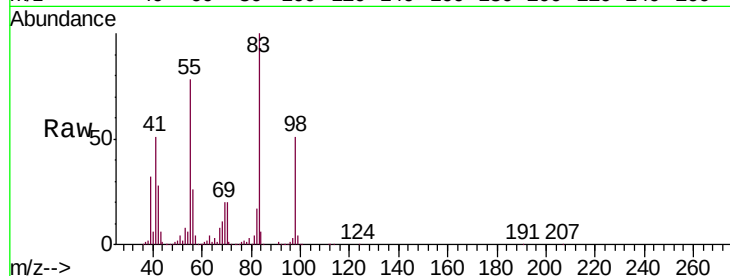
9.09



#36
Methylcyclohexane
Concen: 22.696 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

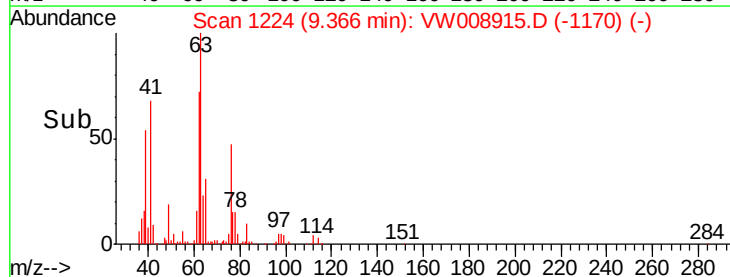
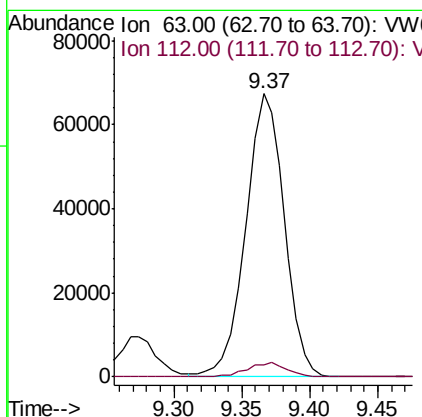
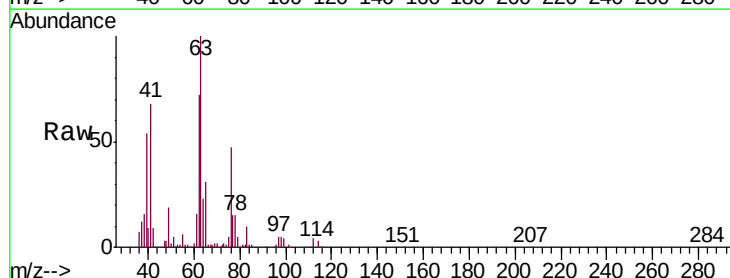
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

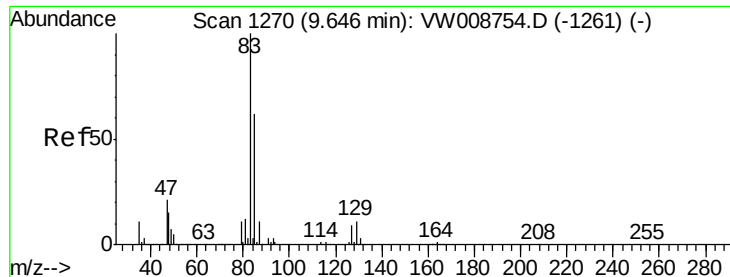
Tgt Ion: 83 Resp: 251137
Ion Ratio Lower Upper
83 100
55 78.4 59.4 89.0
98 51.3 38.2 57.2



#40
1,2-Dichloropropane
Concen: 23.491 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW008915.D
Acq: 01 Mar 2019 09:57

Tgt Ion: 63 Resp: 134069
Ion Ratio Lower Upper
63 100
112 5.1 3.7 5.5





#41

Bromodichloromethane

Concen: 22.989 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

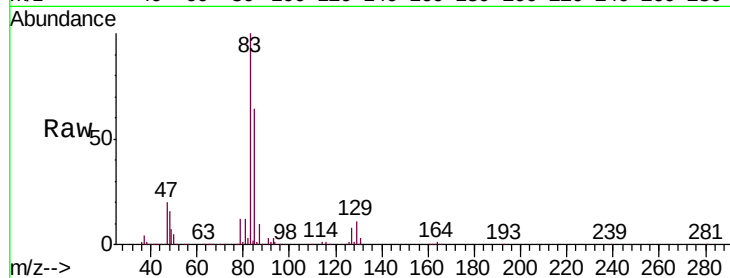
Tgt Ion: 83 Resp: 178401

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.5

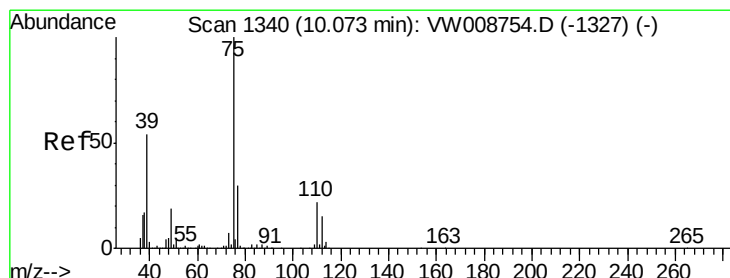
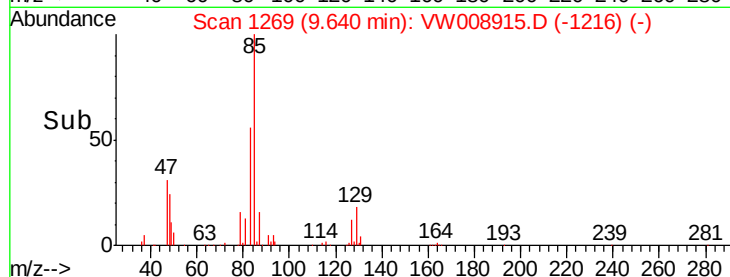
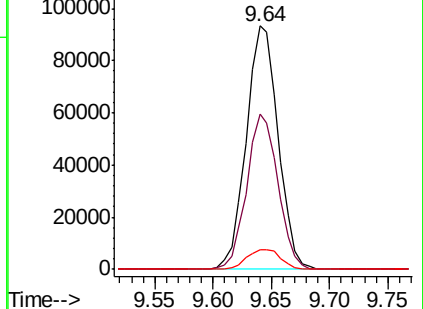
127 7.9 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 23.014 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008915.D

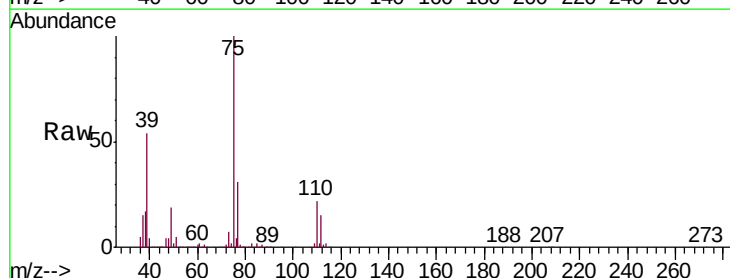
Acq: 01 Mar 2019 09:57

Tgt Ion: 75 Resp: 213056

Ion Ratio Lower Upper

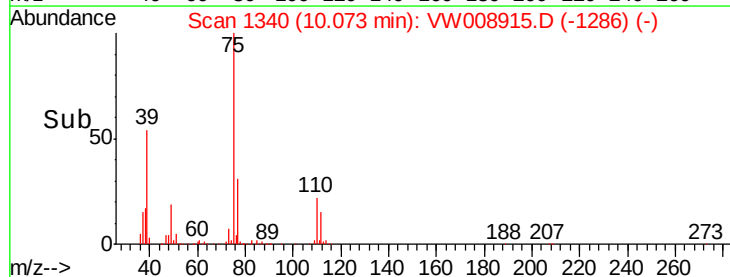
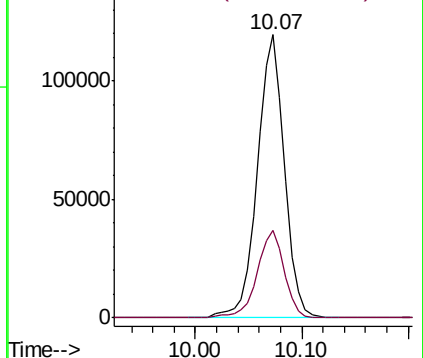
75 100

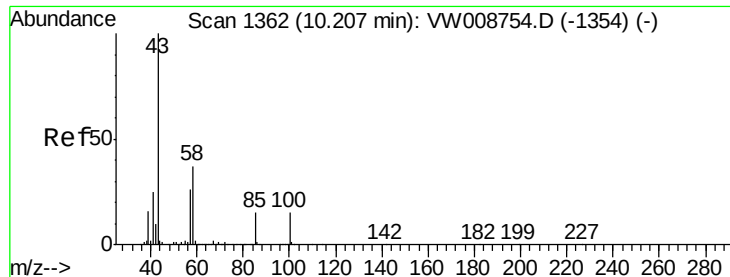
77 31.1 23.0 42.8



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: 38.779 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

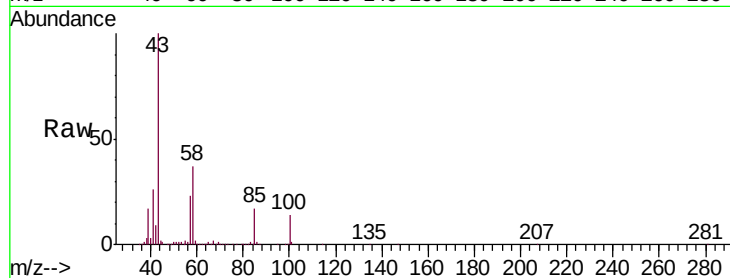
Tgt Ion: 43 Resp: 199874

Ion Ratio Lower Upper

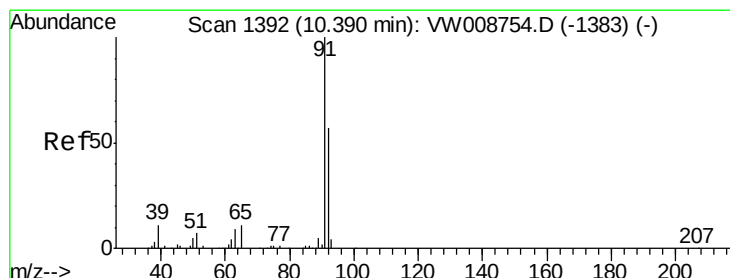
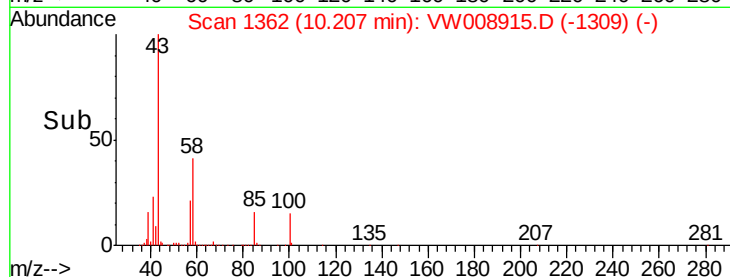
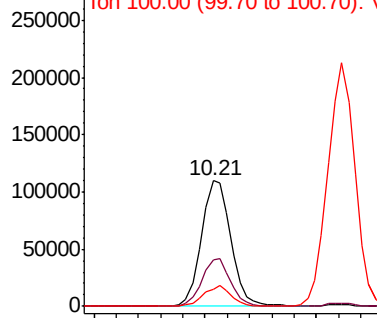
43 100

58 37.0 31.1 46.7

100 15.0 14.0 21.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 24.062 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008915.D

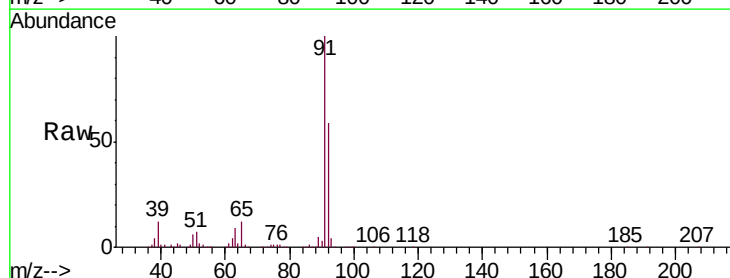
Acq: 01 Mar 2019 09:57

Tgt Ion: 91 Resp: 639131

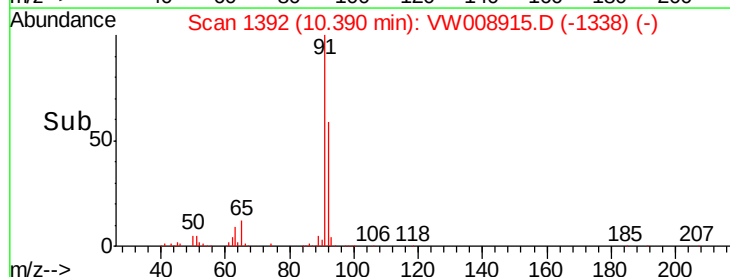
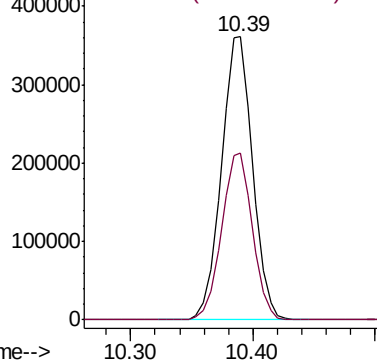
Ion Ratio Lower Upper

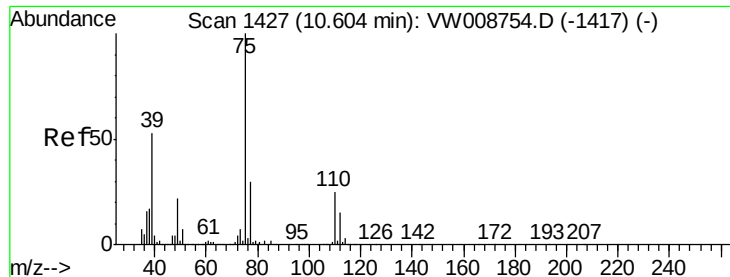
91 100

92 59.1 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 22.204 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

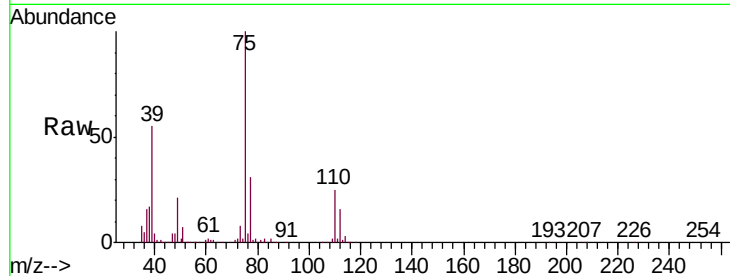
VSTD02588

Tgt Ion: 75 Resp: 183559

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

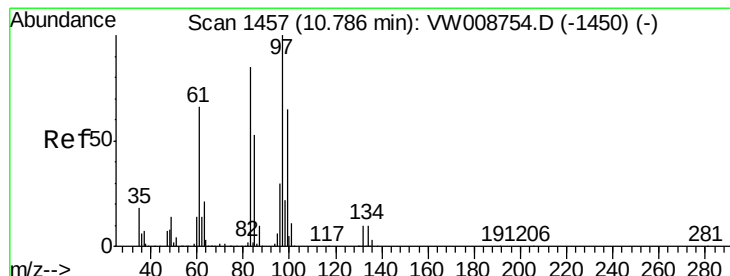
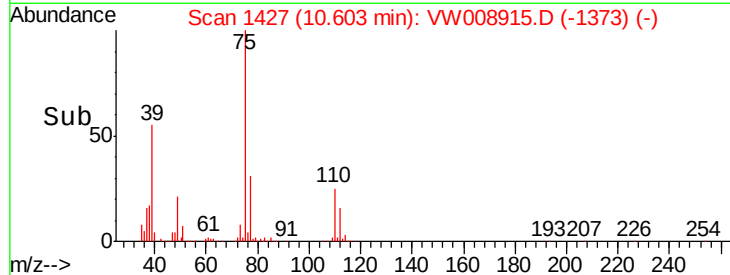
60000

40000

20000

0

Time--> 10.50 10.55 10.60 10.65



#46

1,1,2-Trichloroethane

Concen: 21.179 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Tgt Ion: 97 Resp: 101061

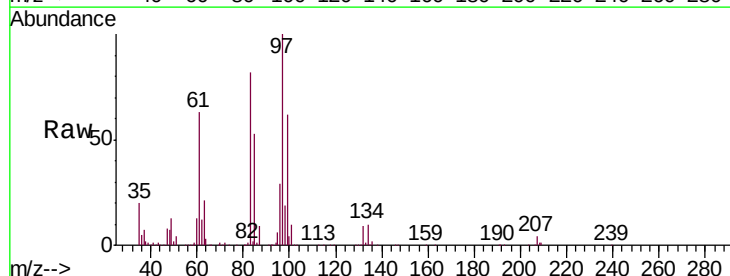
Ion Ratio Lower Upper

97 100

83 82.3 58.4 108.6

85 52.7 36.4 67.6

99 62.4 43.8 81.3



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

10.79

80000

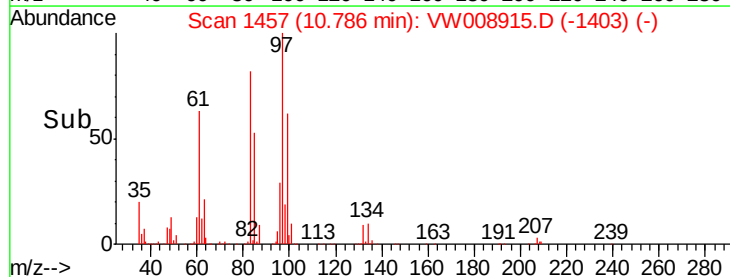
60000

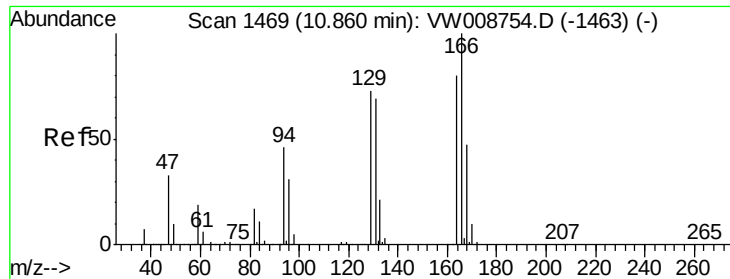
40000

20000

0

Time--> 10.70 10.75 10.80 10.85





#47

Tetrachloroethene

Concen: 24.143 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion:164 Resp: 137065

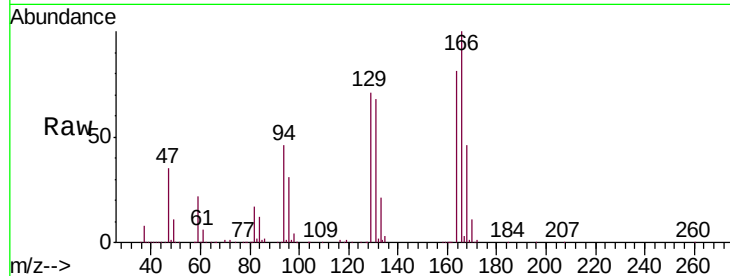
Ion Ratio Lower Upper

164 100

129 87.5 70.6 131.2

131 82.9 66.5 123.5

166 122.8 87.7 162.9

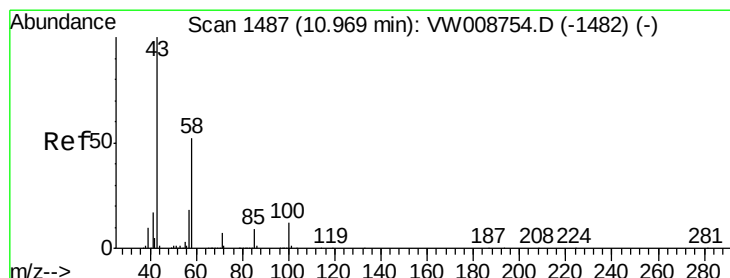
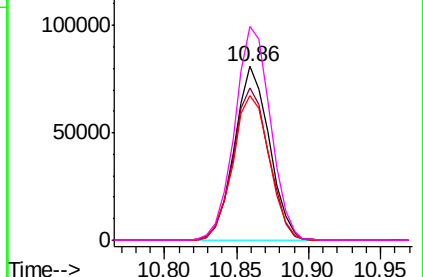
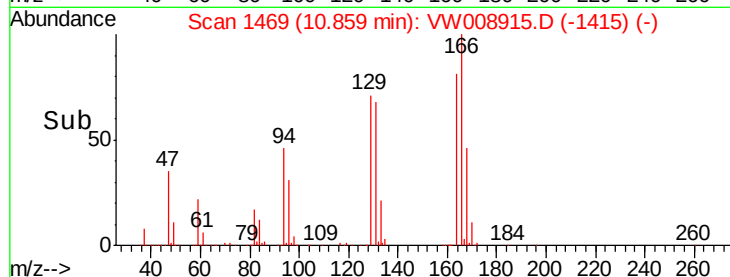


Abundance Ion 164.00 (163.70 to 164.70): V

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: 41.577 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Tgt Ion: 43 Resp: 168092

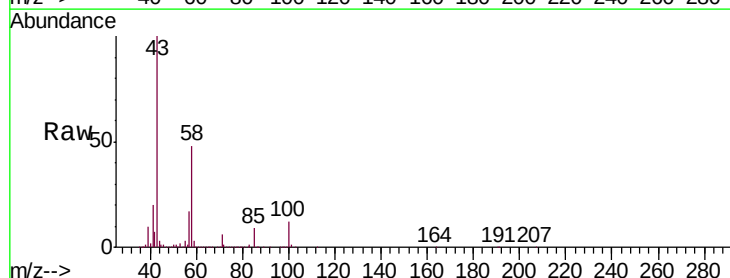
Ion Ratio Lower Upper

43 100

58 49.7 46.2 69.4

57 17.4 17.9 26.9#

100 12.1 11.4 17.2

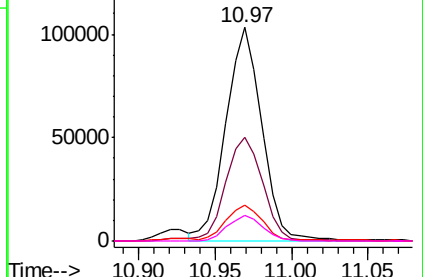
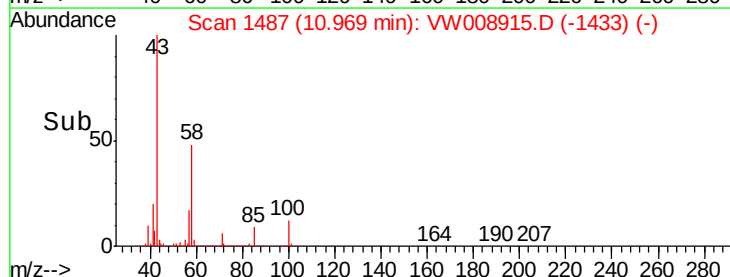


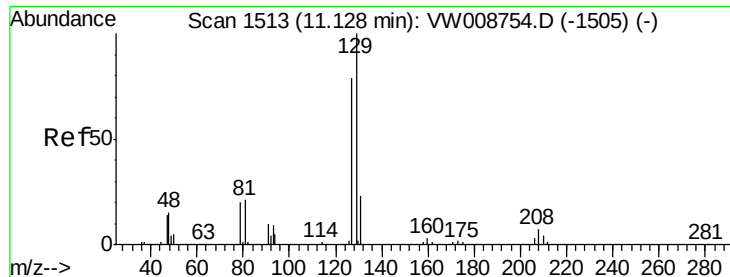
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.922 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

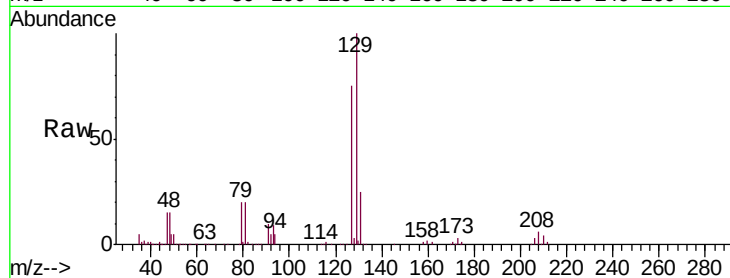
VSTD02588

Tgt Ion:129 Resp: 126818

Ion Ratio Lower Upper

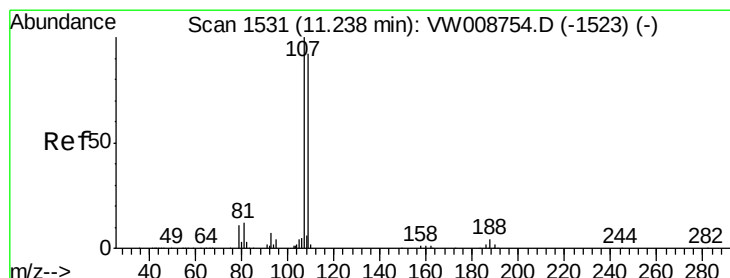
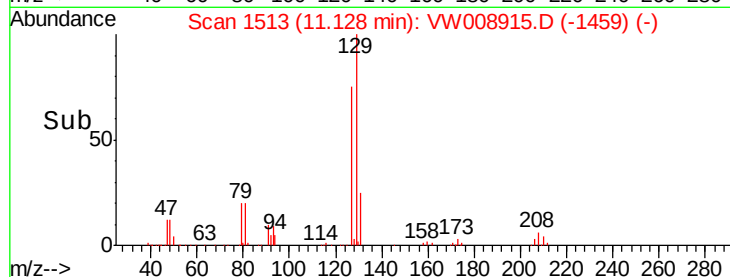
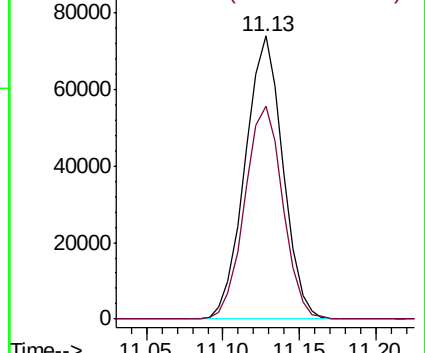
129 100

127 75.3 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 20.995 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

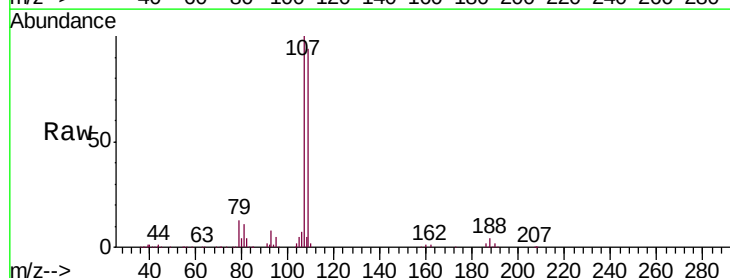
Tgt Ion:107 Resp: 101339

Ion Ratio Lower Upper

107 100

109 94.1 63.2 117.4

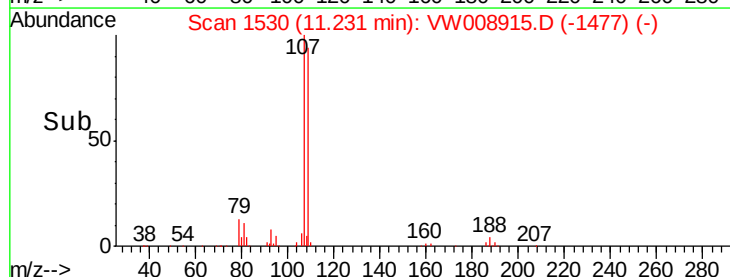
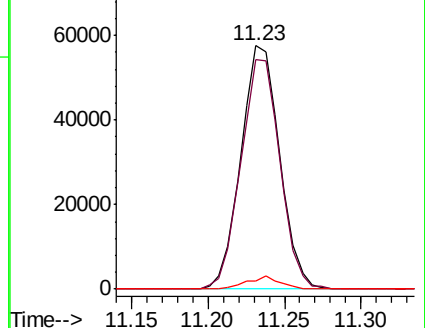
188 3.7 3.1 4.7

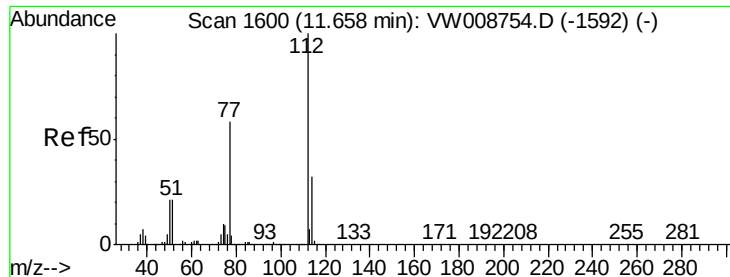


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 23.260 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

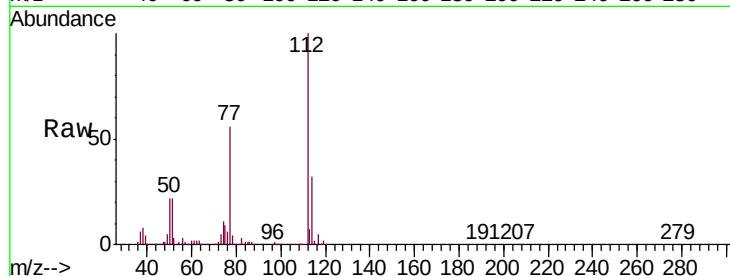
Tgt Ion: 112 Resp: 415806

Ion Ratio Lower Upper

112 100

77 55.6 47.8 71.6

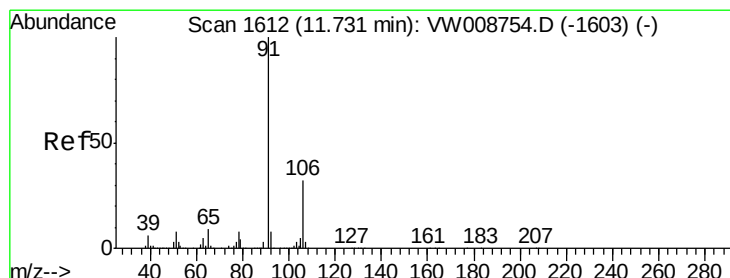
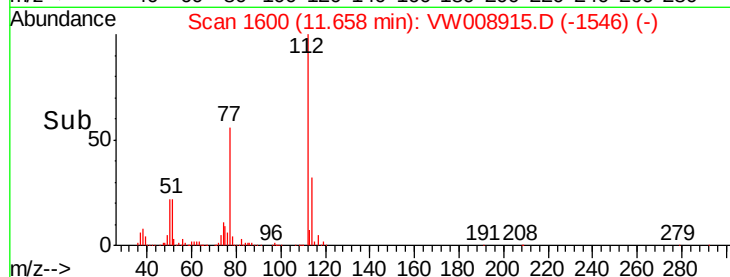
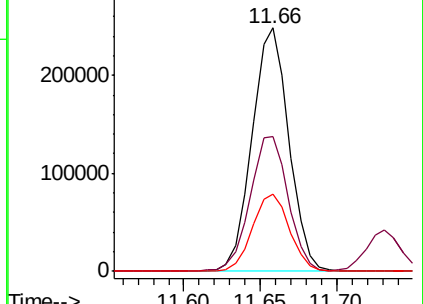
114 31.6 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 23.627 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008915.D

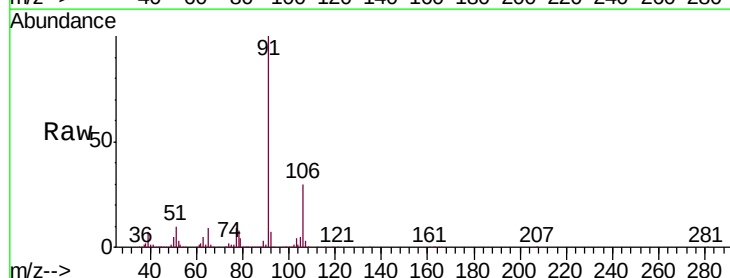
Acq: 01 Mar 2019 09:57

Tgt Ion: 91 Resp: 729178

Ion Ratio Lower Upper

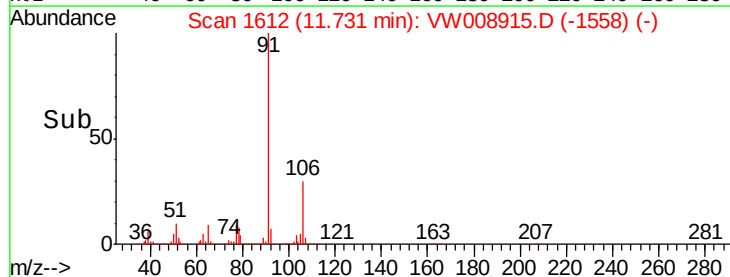
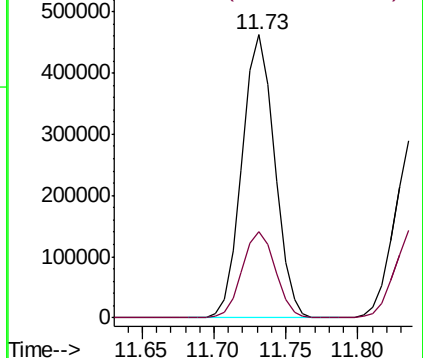
91 100

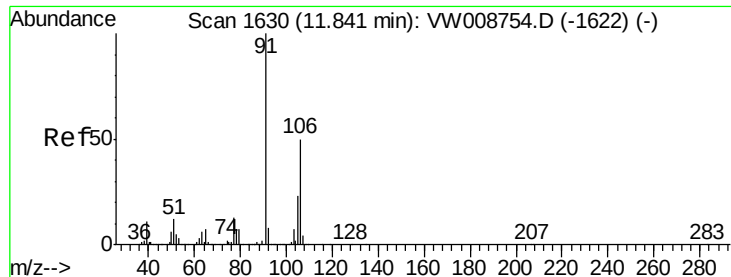
106 30.5 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 23.408 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

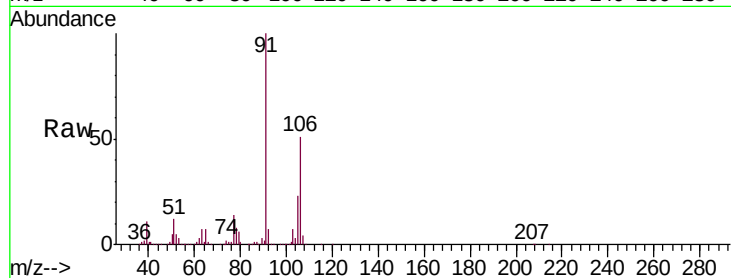
VSTD02588

Tgt Ion:106 Resp: 284079

Ion Ratio Lower Upper

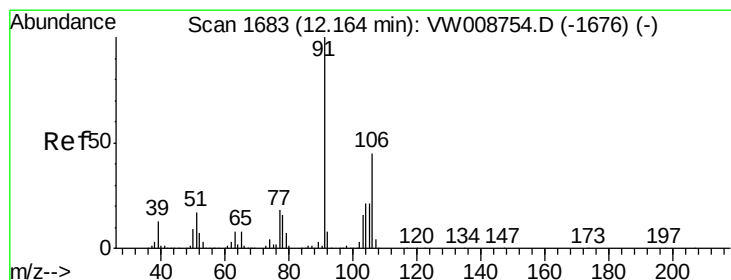
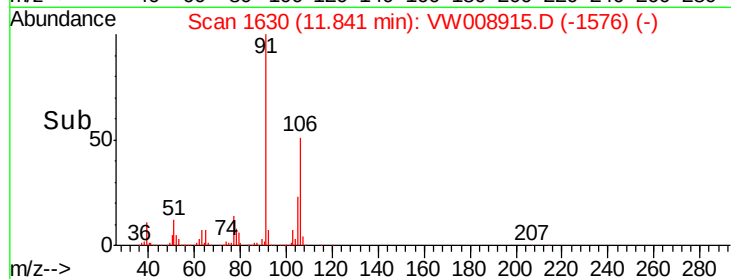
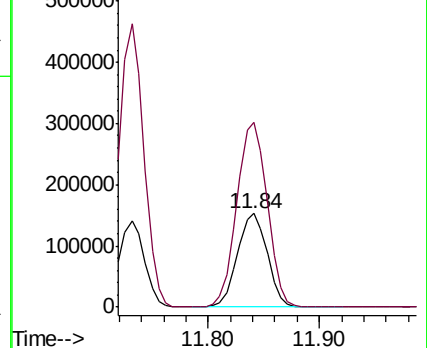
106 100

91 196.3 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 22.785 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW008915.D

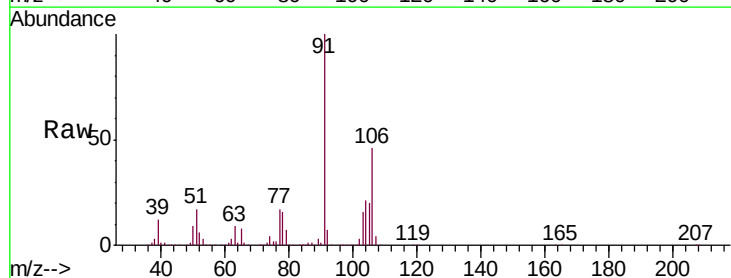
Acq: 01 Mar 2019 09:57

Tgt Ion:106 Resp: 266014

Ion Ratio Lower Upper

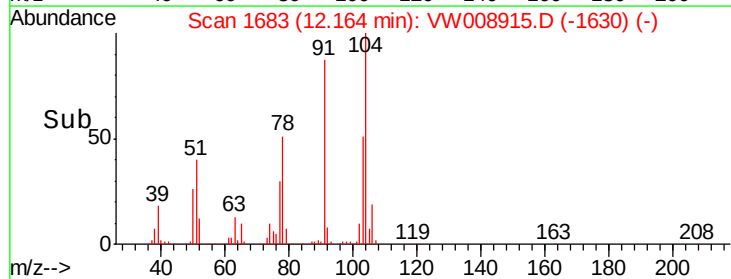
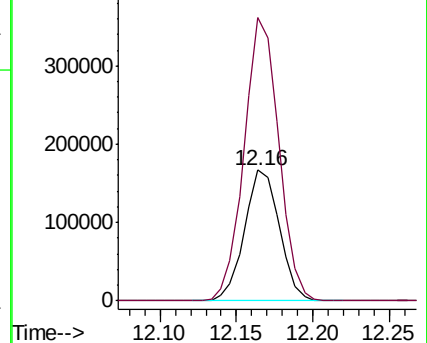
106 100

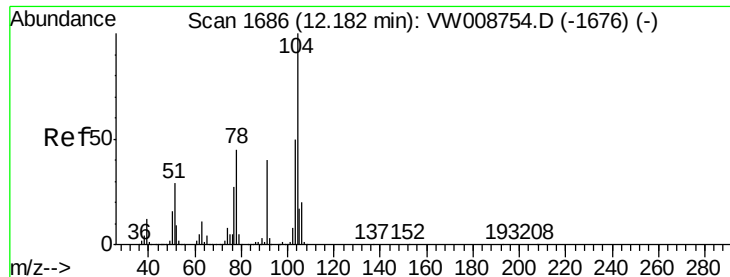
91 216.8 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 22.913 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

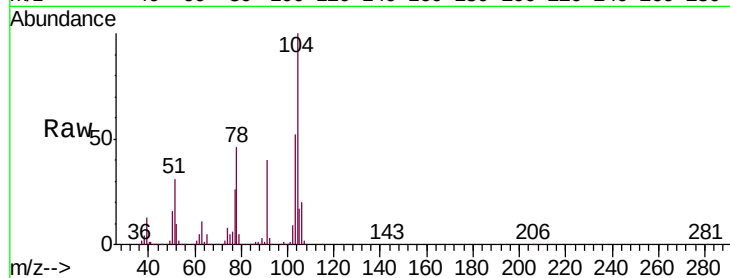
VSTD02588

Tgt Ion:104 Resp: 448643

Ion Ratio Lower Upper

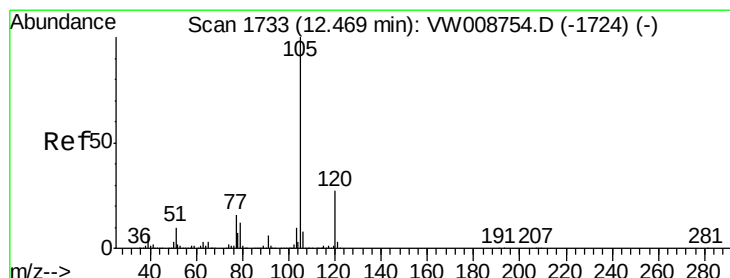
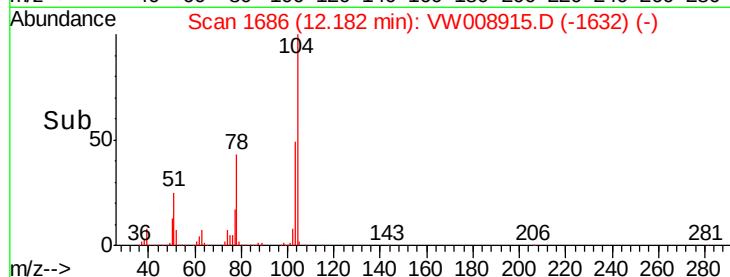
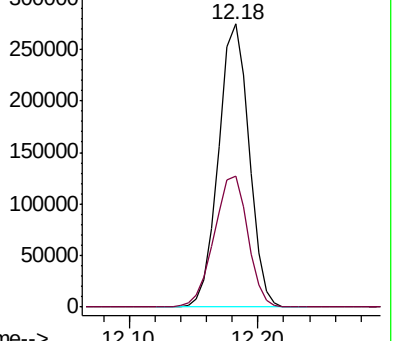
104 100

78 46.5 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 23.301 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

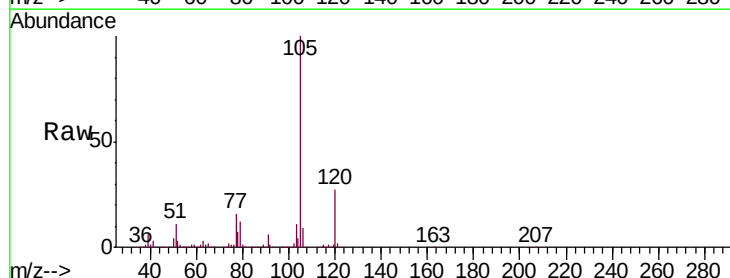
Tgt Ion:105 Resp: 725677

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

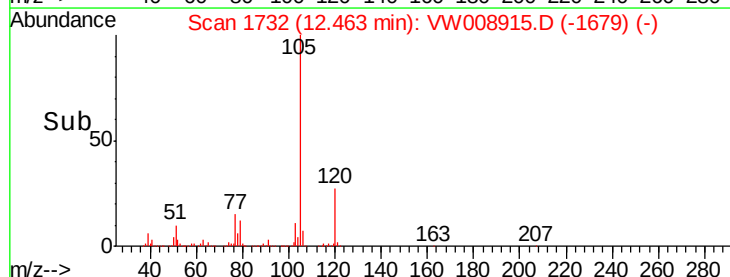
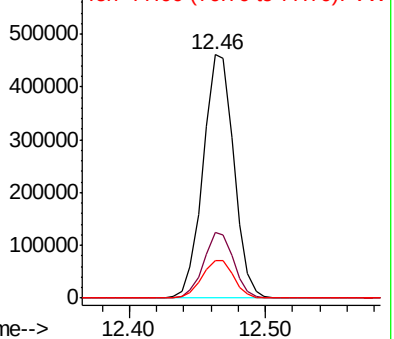
77 16.0 12.4 18.6

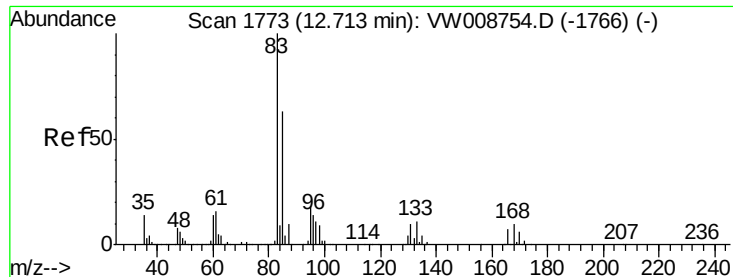


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

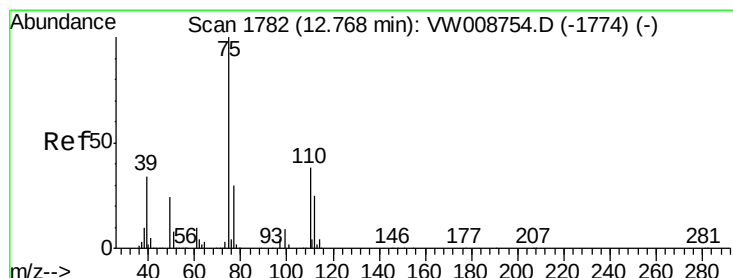
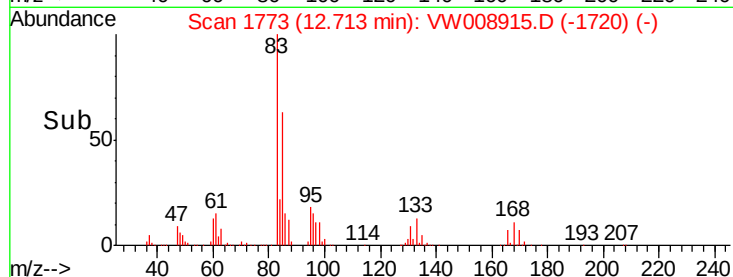
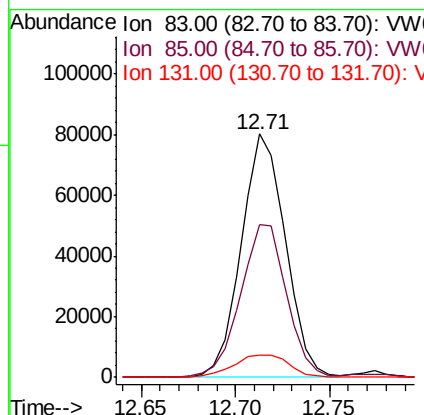
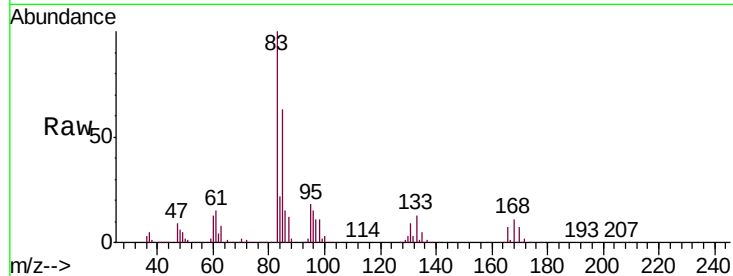




#58
 1,1,2,2-Tetrachloroethane
 Concen: 20.378 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

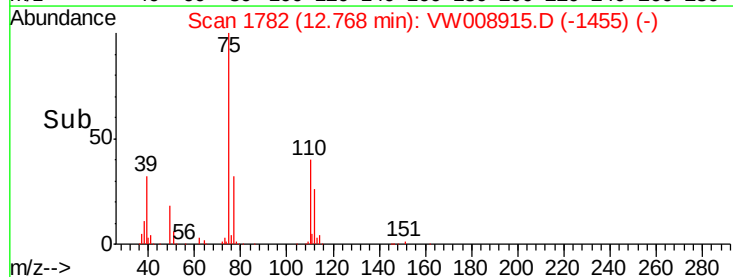
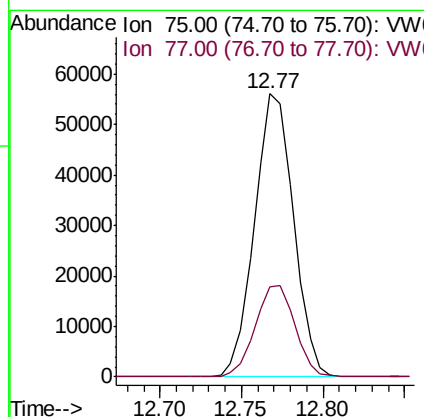
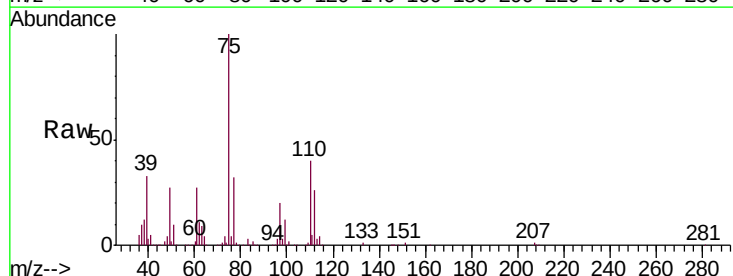
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

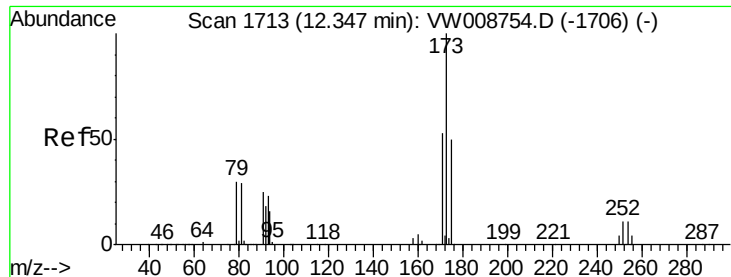
Tgt Ion: 83 Resp: 130461
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.6 86.6
 131 9.3 9.7 14.5#



#59
 1,2,3-Trichloropropane
 Concen: 19.719 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Tgt Ion: 75 Resp: 93336
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3





#62

Bromoform

Concen: 22.262 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

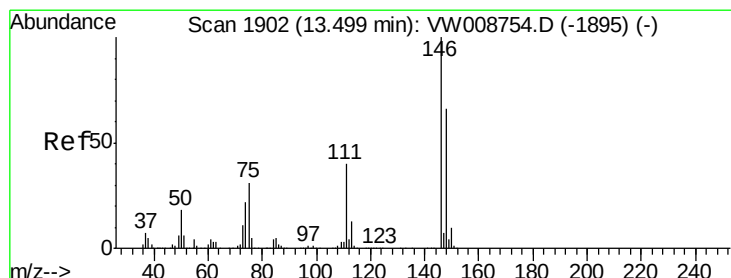
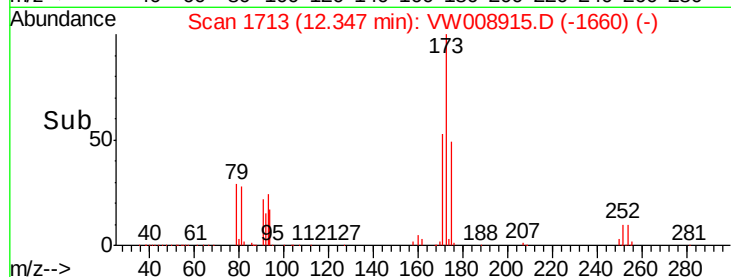
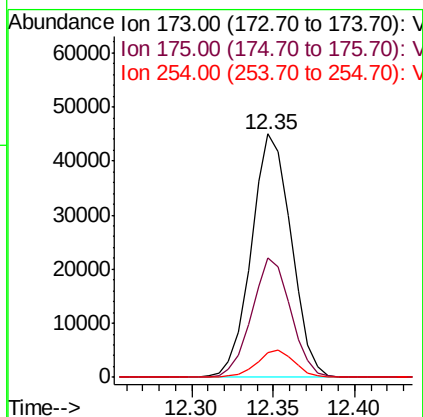
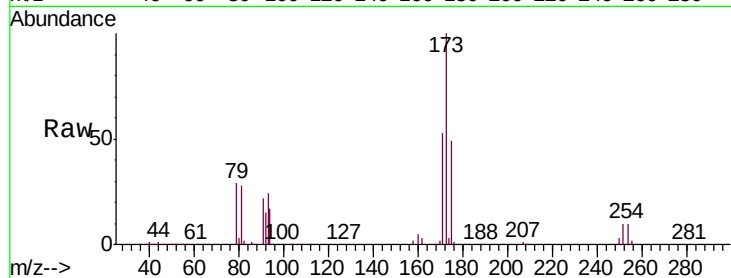
Tgt Ion:173 Resp: 76729

Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 10.8 5.8 8.8#



#63

1,3-Dichlorobenzene

Concen: 23.495 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008915.D

Acq: 01 Mar 2019 09:57

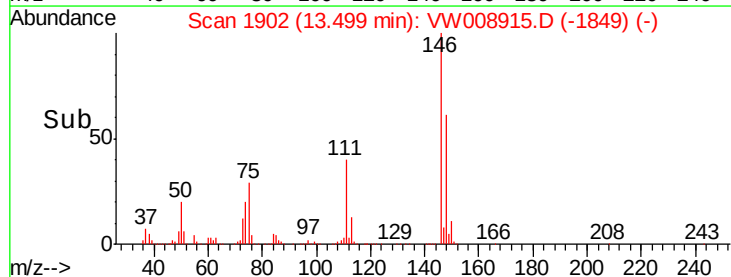
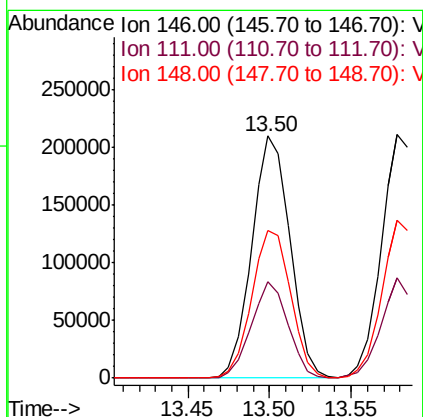
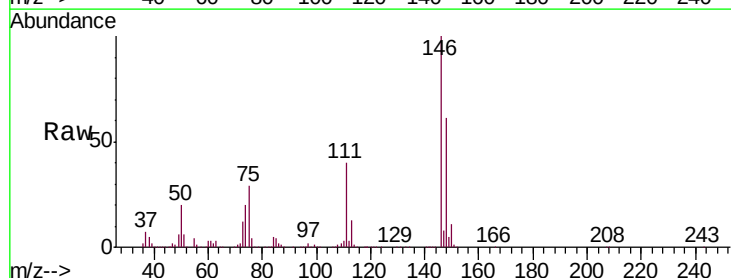
Tgt Ion:146 Resp: 341383

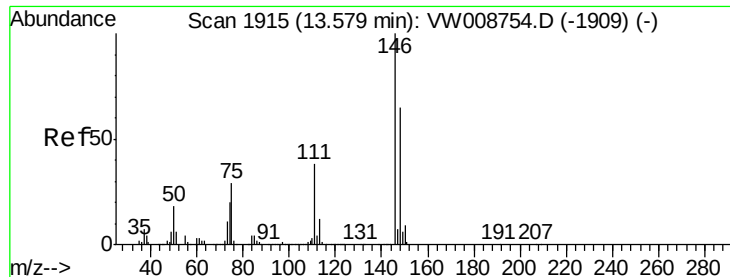
Ion Ratio Lower Upper

146 100

111 39.8 31.0 57.6

148 60.8 43.6 81.0

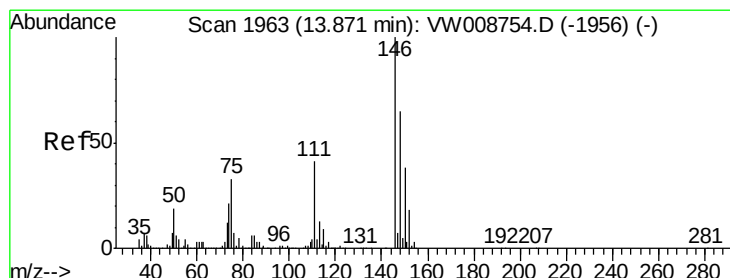
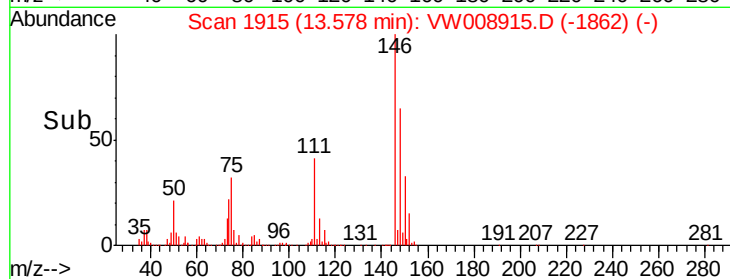
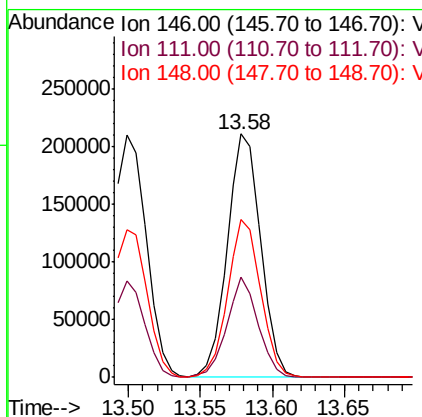
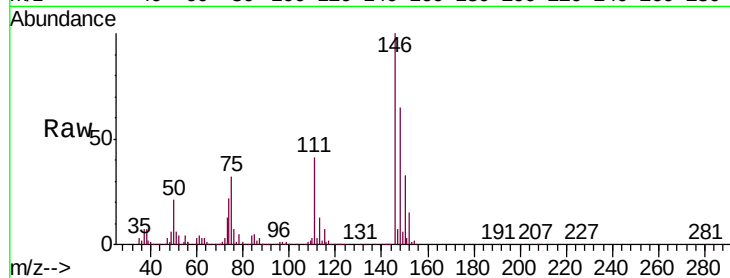




#64
 1,4-Dichlorobenzene
 Concen: 23.153 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

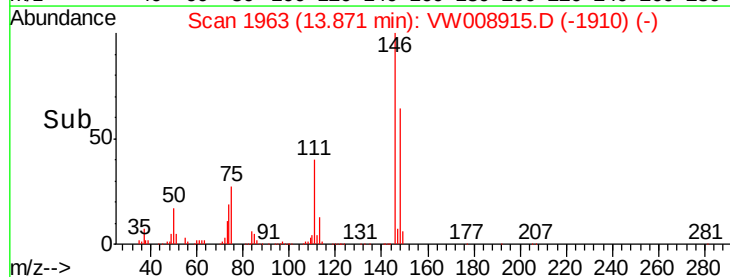
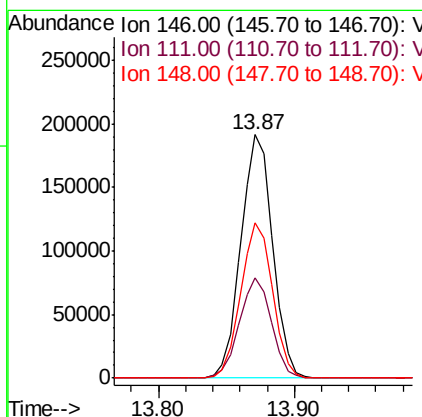
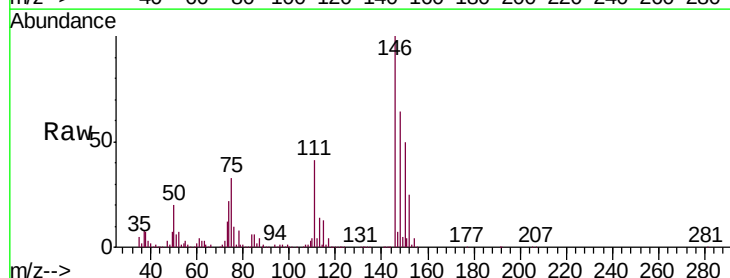
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

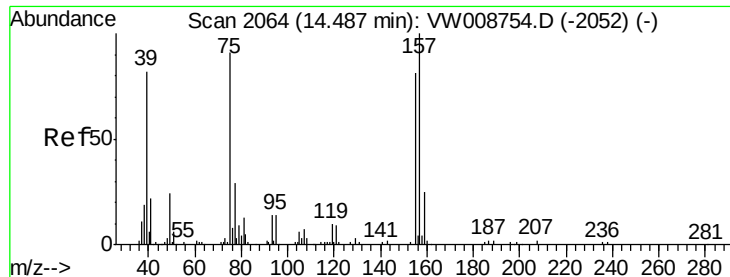
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.9	49.9
148	65.0	41.6	77.3



#65
 1,2-Dichlorobenzene
 Concen: 23.158 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	36.4	54.6
148	63.7	51.0	76.4

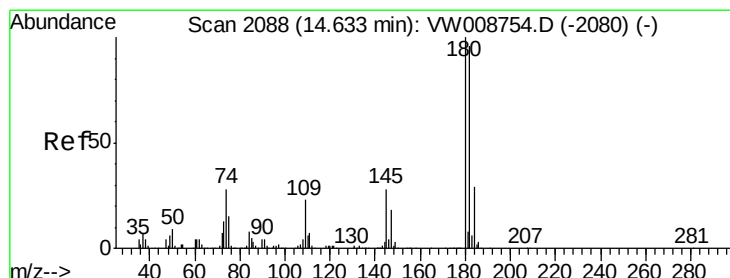
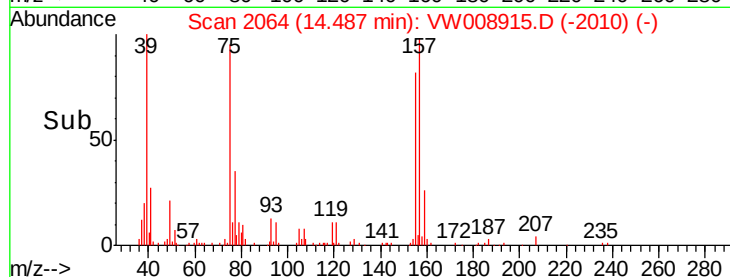
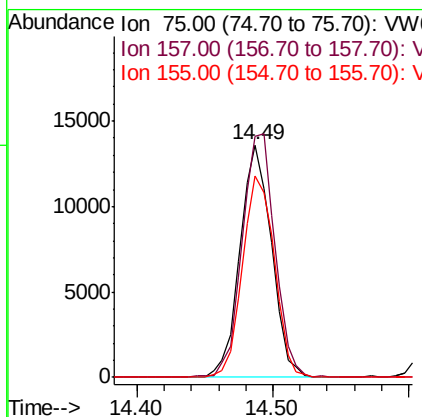
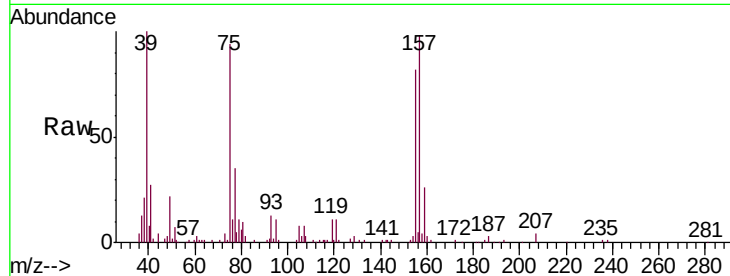




#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.424 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

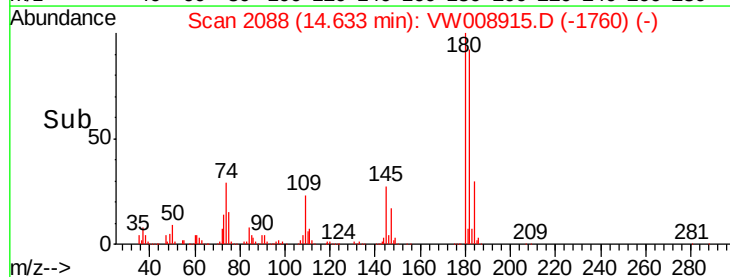
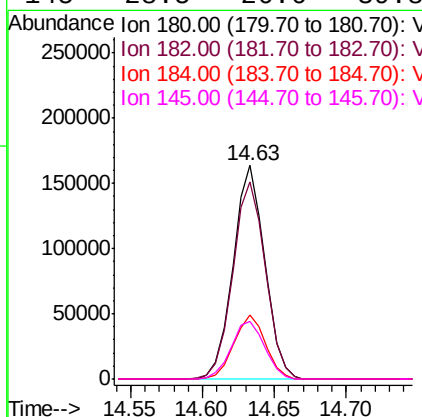
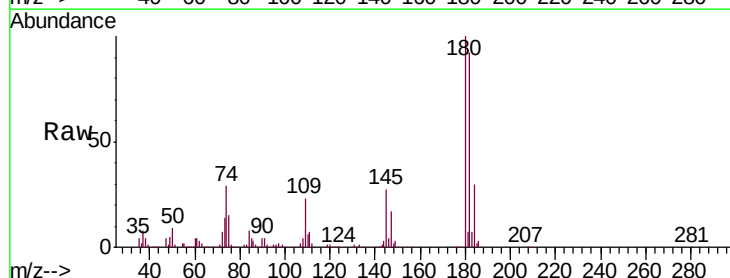
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

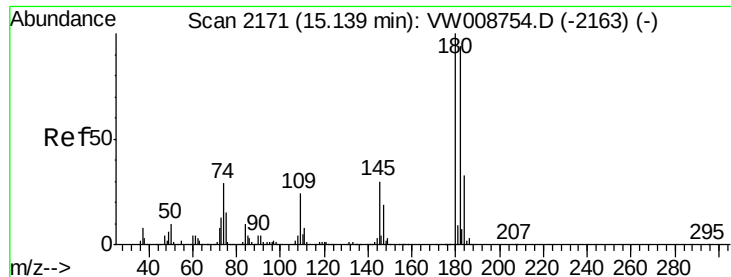
Tgt Ion: 75 Resp: 22017
 Ion Ratio Lower Upper
 75 100
 157 103.8 85.6 128.4
 155 86.6 63.4 95.0



#67
 1,3,5-Trichlorobenzene
 Concen: 21.847 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Tgt Ion: 180 Resp: 249929
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.4
 184 30.1 23.5 35.3
 145 28.5 26.6 39.8

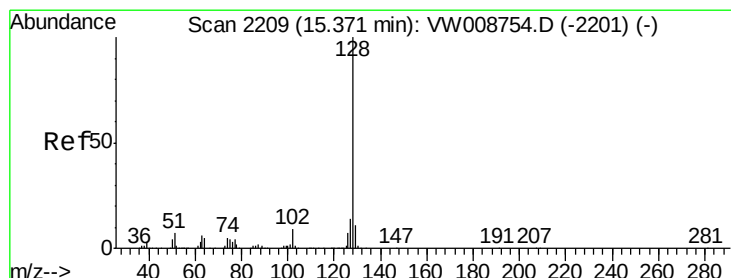
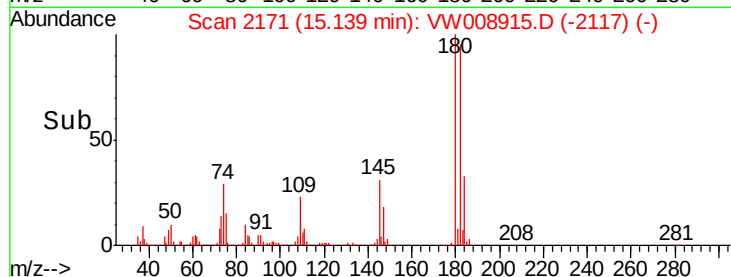
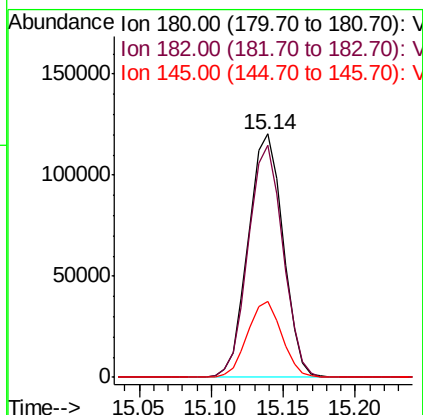
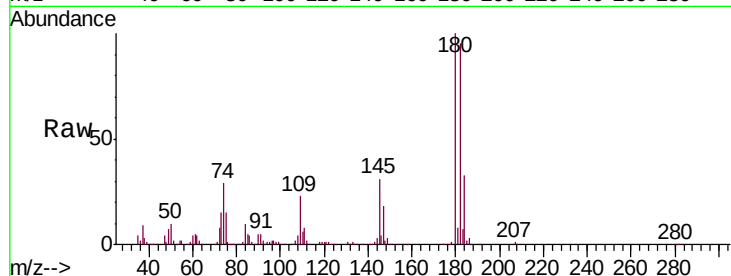




#68
 1,2,4-trichlorobenzene
 Concen: 20.460 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

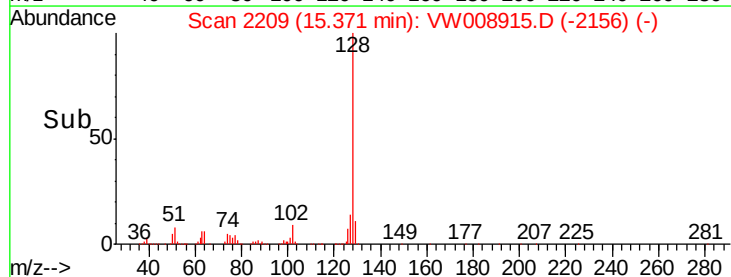
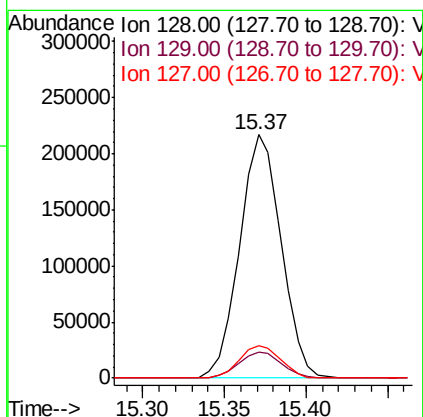
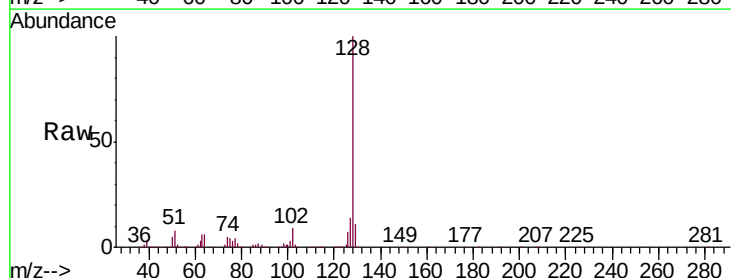
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

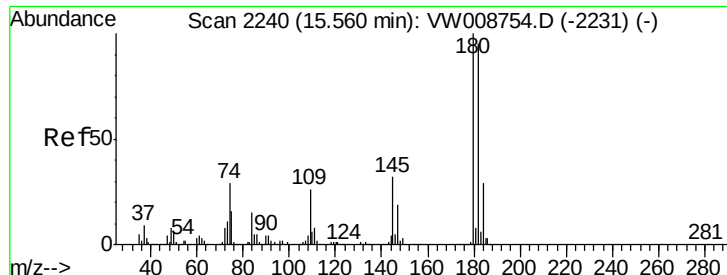
Tgt Ion:180 Resp: 201612
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.0 115.6
 145 30.8 27.9 41.9



#69
 Naphthalene
 Concen: 18.877 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Tgt Ion:128 Resp: 382957
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 13.4 11.1 16.7

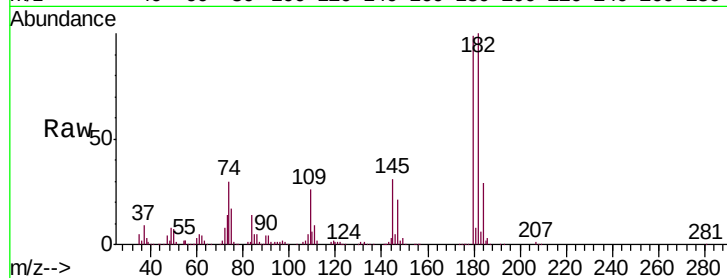




#70
 1,2,3-Trichlorobenzene
 Concen: 20.348 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW008915.D
 Acq: 01 Mar 2019 09:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
145	31.2	29.4	44.2



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

