

Data File : VW007939.D
Acq On : 26 Dec 2018 22:43
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

Quant Time: Dec 27 00:49:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 27 00:43:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	98228	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	88595	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	43861	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23349	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
7) Chloroethane-d5	2.90	69	16146	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.04%
10) 1,1-Dichloroethene-d2	4.01	63	62282	23.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.08%
20) 2-Butanone-d5	7.08	46	21874	52.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.96%
24) Chloroform-d	7.65	84	63001	24.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	8.31	65	38299	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.76%
29) Benzene-d6	8.27	84	119468	24.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.16%
33) 1,2-Dichloropropane-d6	9.27	67	32601	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.48%
37) Toluene-d8	10.32	98	116732	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	10.58	79	18698	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	10.93	63	18662	53.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	32773	25.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	42294	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	22423	20.712 ug/L	94
3) Chloromethane	2.21	50	17910	20.992 ug/L	97
5) Vinyl chloride	2.37	62	23693	22.325 ug/L	93
6) Bromomethane	2.78	94	14005	22.243 ug/L	98
8) Chloroethane	2.93	64	11878	22.526 ug/L	98
9) Trichlorofluoromethane	3.26	101	18955	20.683 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	28450	22.944 ug/L	98
12) 1,1-Dichloroethene	4.03	96	27112	23.877 ug/L	87
13) Acetone	4.12	43	17539	43.483 ug/L	100
14) Carbon disulfide	4.38	76	82107	22.830 ug/L	99
15) Methyl Acetate	4.67	43	15477	25.216 ug/L	98
16) Methylene chloride	4.91	84	33154	20.859 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	47021	23.298 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	28933	23.490 ug/L	96
19) 1,1-Dichloroethane	6.21	63	48392	23.616 ug/L	95
21) 2-Butanone	7.17	43	21545	46.943 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	30100	22.806 ug/L	94

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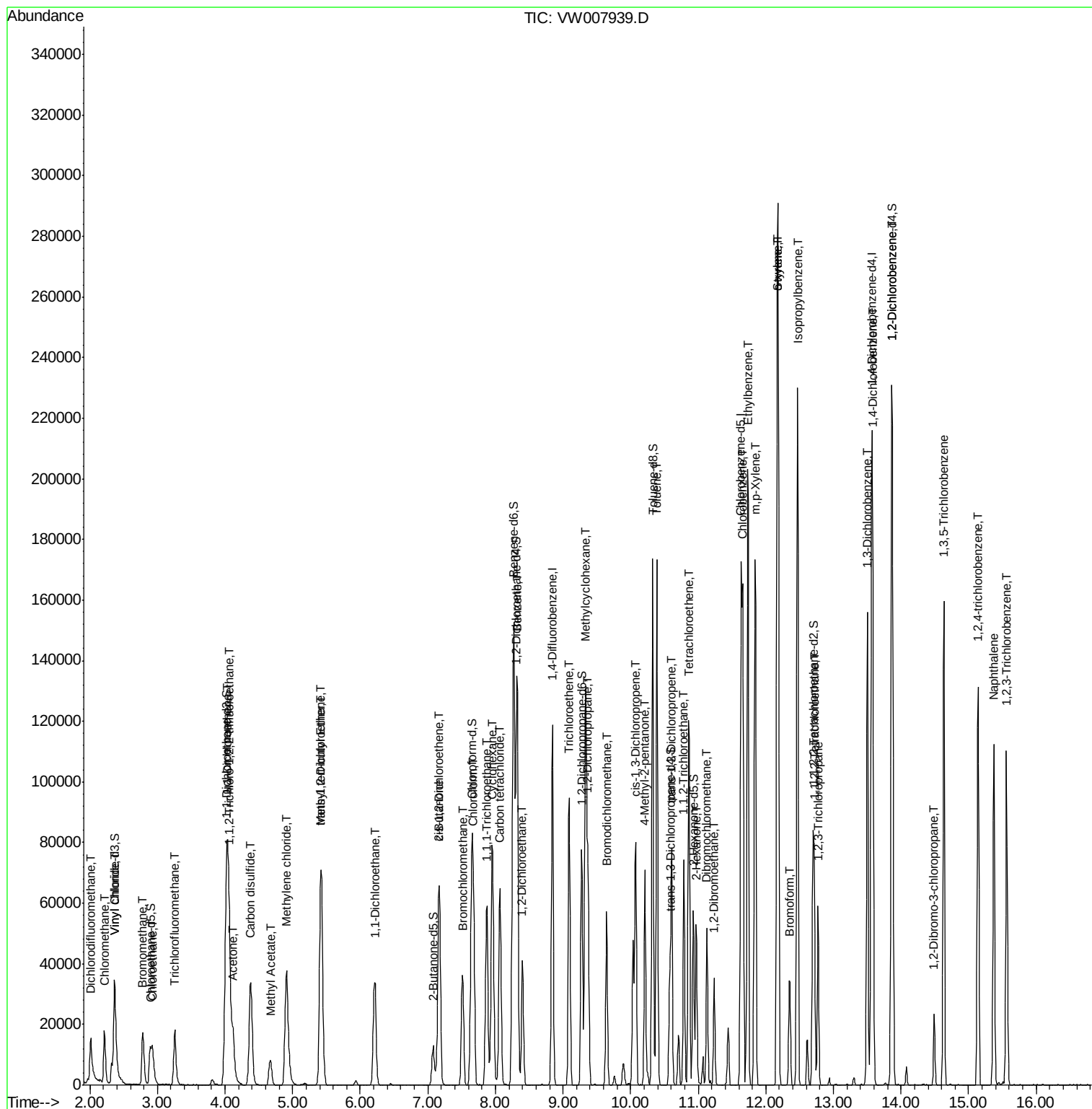
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	14082	23.698	ug/L	90
25) Chloroform	7.68	83	53858	23.337	ug/L	100
27) 1,2-Dichloroethane	8.40	62	40055	23.664	ug/L	97
30) Cyclohexane	7.95	56	45826	23.511	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	50530	23.789	ug/L	99
32) Carbon tetrachloride	8.07	117	48744	23.903	ug/L	99
34) Benzene	8.32	78	109713	23.142	ug/L	100
35) Trichloroethene	9.09	95	32509	23.602	ug/L	100
36) Methylcyclohexane	9.34	83	56476	23.910	ug/L	98
40) 1,2-Dichloropropane	9.37	63	25796	23.148	ug/L	100
41) Bromodichloromethane	9.65	83	38823	23.688	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	44705	22.981	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	42558	48.250	ug/L	98
44) Toluene	10.39	91	124392	23.452	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	41239	23.007	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	23074	24.474	ug/L	96
47) Tetrachloroethene	10.86	164	25813	23.587	ug/L	97
49) 2-Hexanone	10.97	43	31114	48.894	ug/L	98
50) Dibromochloromethane	11.13	129	27679	23.044	ug/L	99
51) 1,2-Dibromoethane	11.24	107	23683	24.612	ug/L #	99
52) Chlorobenzene	11.66	112	80790	23.398	ug/L	97
53) Ethylbenzene	11.73	91	144310	23.680	ug/L	99
54) m,p-Xylene	11.84	106	54521	23.746	ug/L	98
55) o-xylene	12.17	106	51292	23.555	ug/L	96
56) Styrene	12.18	104	88667	24.024	ug/L	100
57) Isopropylbenzene	12.47	105	147640	23.936	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	28455	24.341	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	23331	24.813	ug/L	99
62) Bromoform	12.35	173	16658	24.091	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	64336	22.944	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	63934	22.928	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	59239	23.272	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	6317	25.171	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	46232	22.511	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	39788	22.569	ug/L	98
69) Naphthalene	15.37	128	99522	24.939	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	37123	23.787	ug/L	97

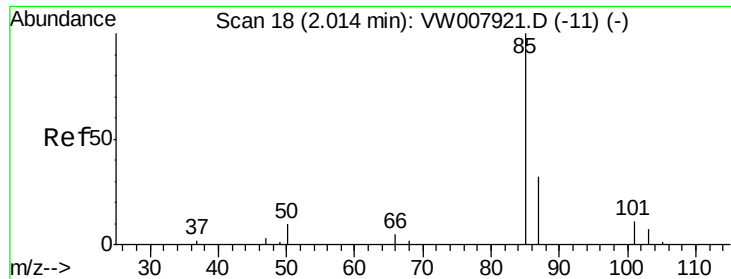
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.712 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

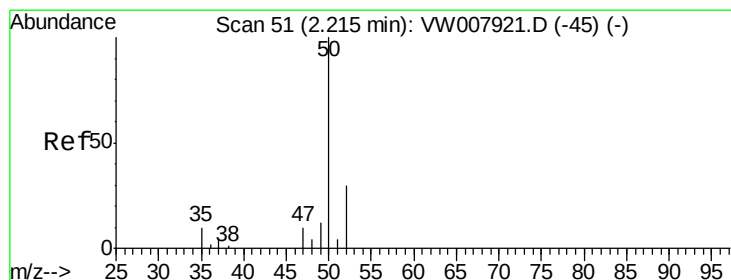
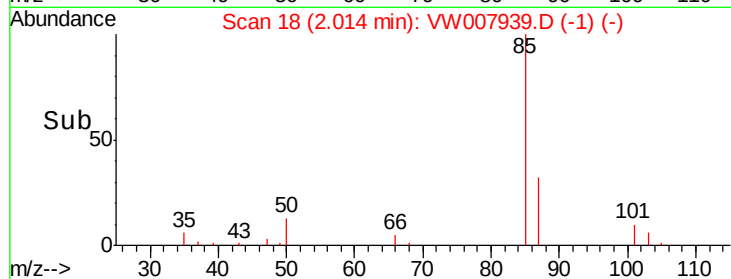
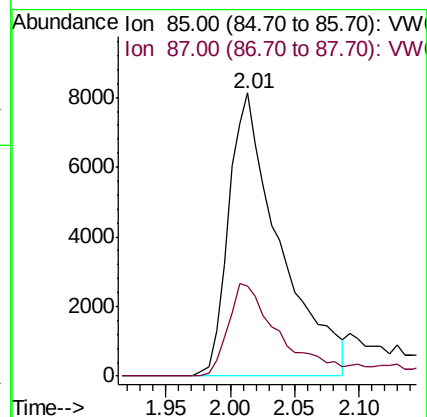
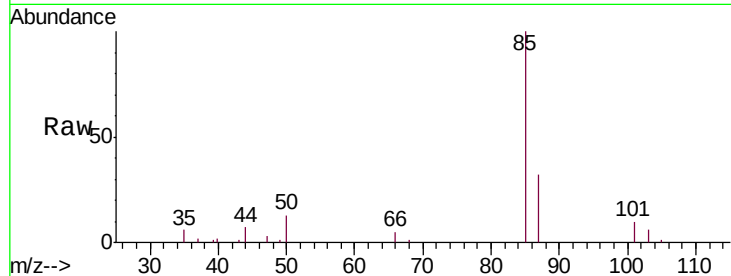
VSTD02590

Tgt Ion: 85 Resp: 22423

Ion Ratio Lower Upper

85 100

87 32.5 20.6 38.4



#3

Chloromethane

Concen: 20.992 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007939.D

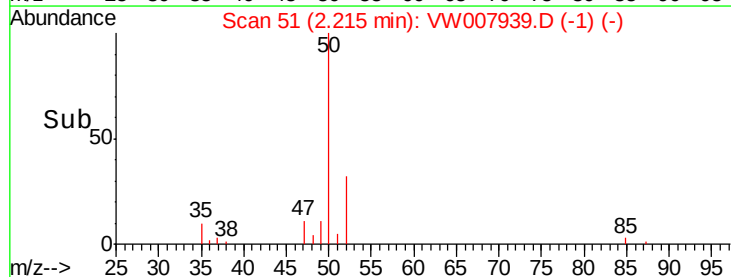
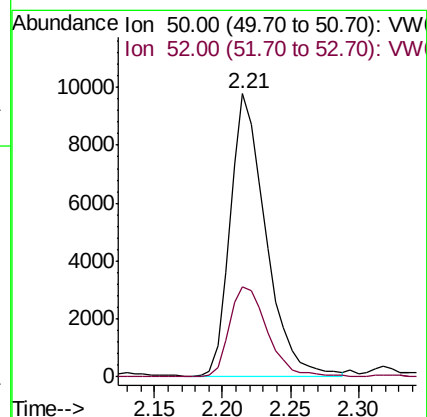
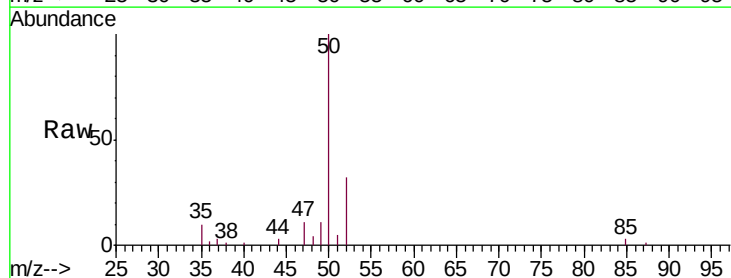
Acq: 26 Dec 2018 22:43

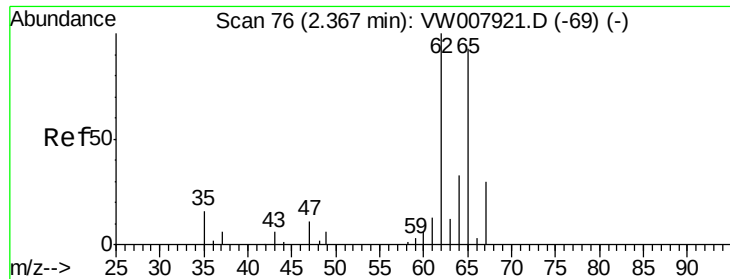
Tgt Ion: 50 Resp: 17910

Ion Ratio Lower Upper

50 100

52 32.0 21.4 39.8





#5

Vinyl chloride

Concen: 22.325 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

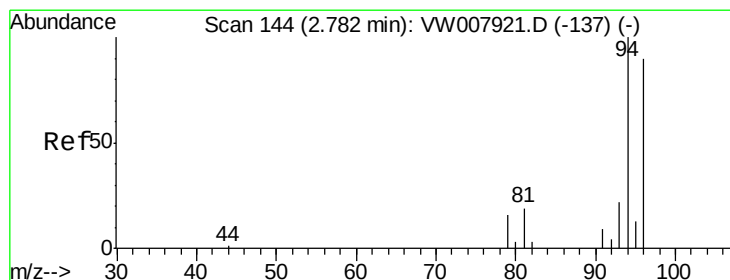
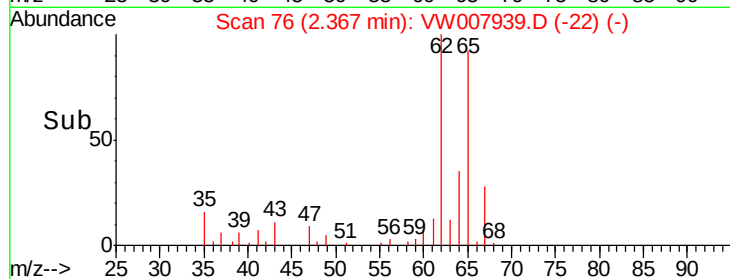
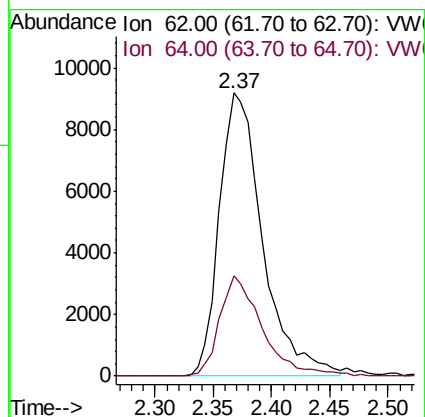
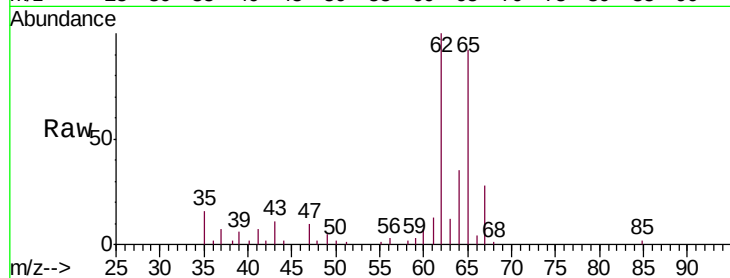
VSTD02590

Tgt Ion: 62 Resp: 23693

Ion Ratio Lower Upper

62 100

64 35.4 22.0 41.0



#6

Bromomethane

Concen: 22.243 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW007939.D

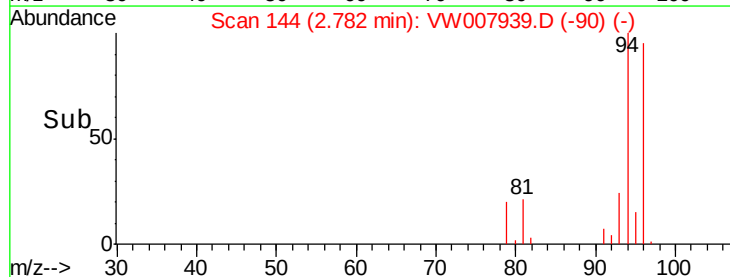
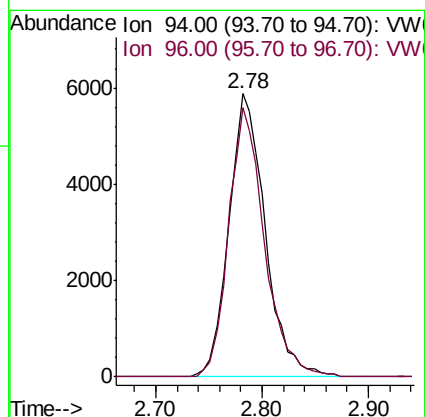
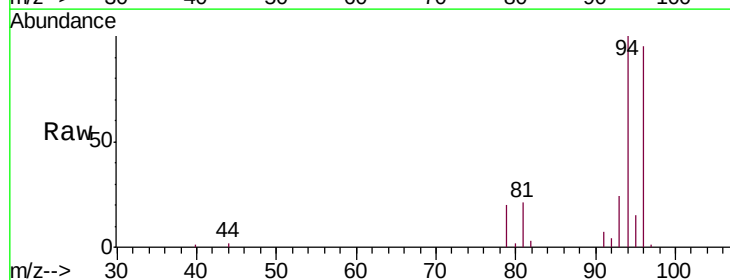
Acq: 26 Dec 2018 22:43

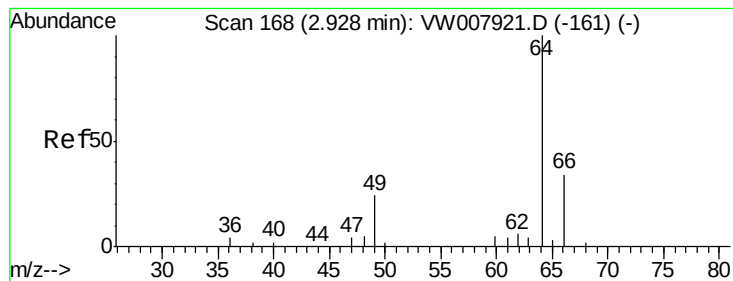
Tgt Ion: 94 Resp: 14005

Ion Ratio Lower Upper

94 100

96 94.0 9.2 175.4





#8

Chloroethane

Concen: 22.526 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

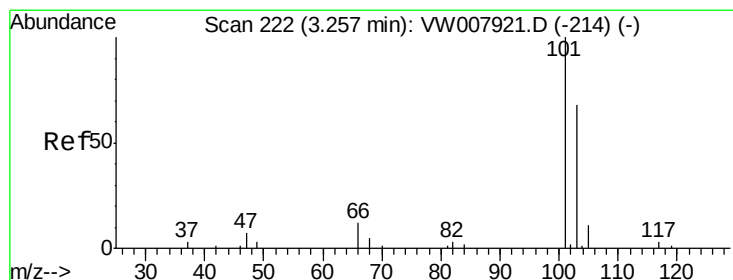
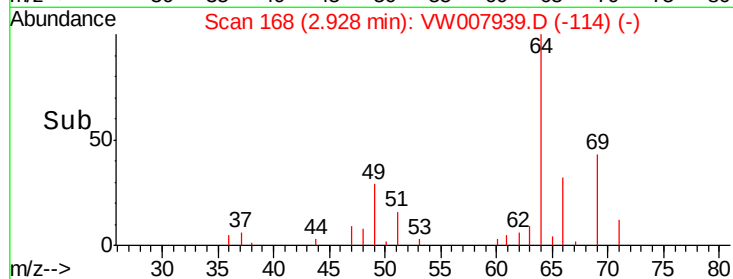
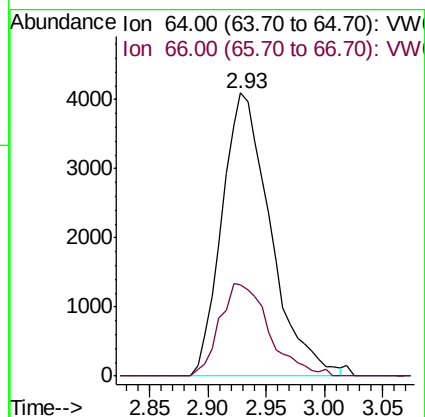
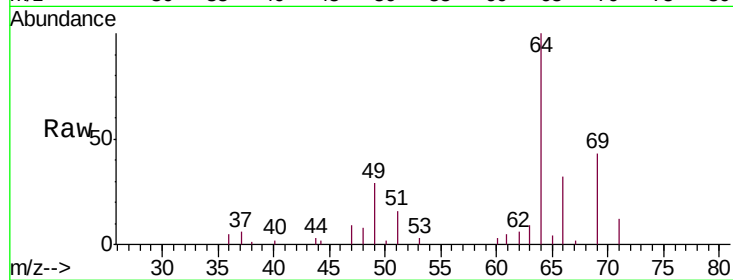
VSTD02590

Tgt Ion: 64 Resp: 11878

Ion Ratio Lower Upper

64 100

66 32.3 23.3 43.3



#9

Trichlorofluoromethane

Concen: 20.683 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW007939.D

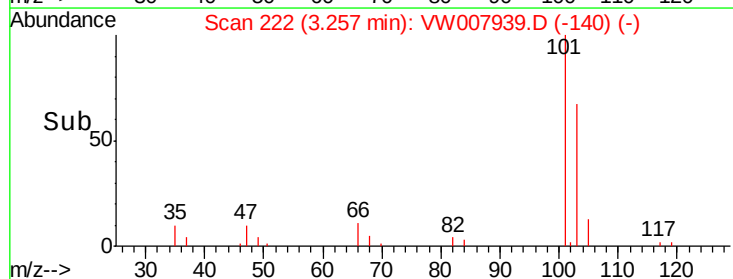
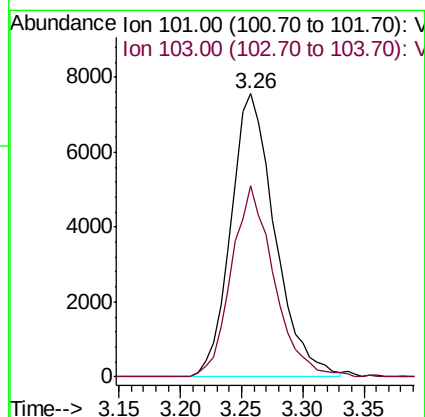
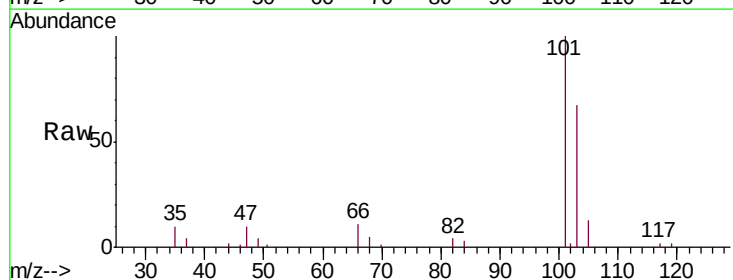
Acq: 26 Dec 2018 22:43

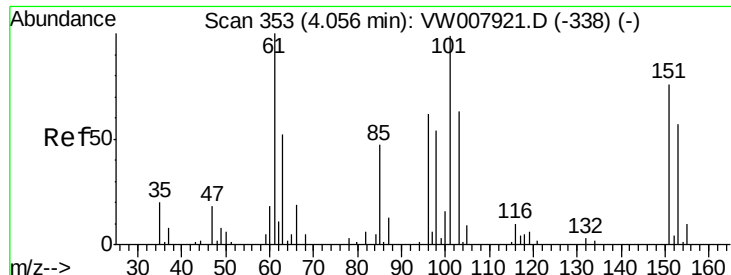
Tgt Ion: 101 Resp: 18955

Ion Ratio Lower Upper

101 100

103 65.3 44.7 83.1





#11

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

Concen: 22.944 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

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ClientSampleId :

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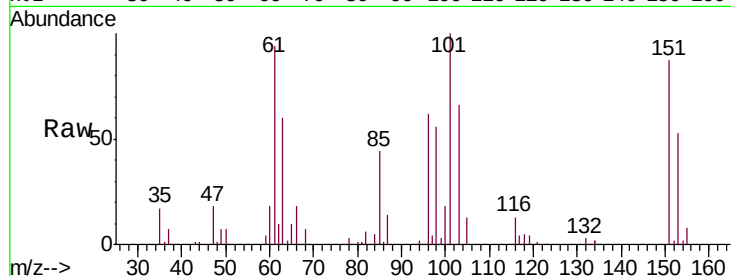
Tgt Ion: 101 Resp: 28450

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.2

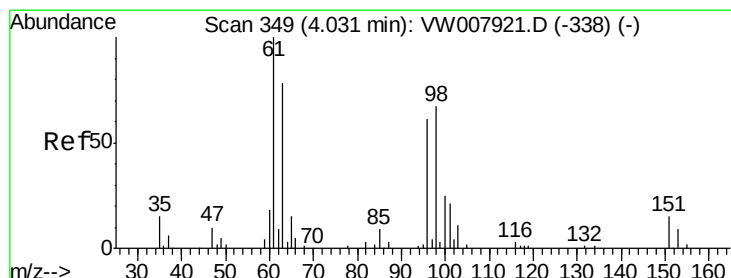
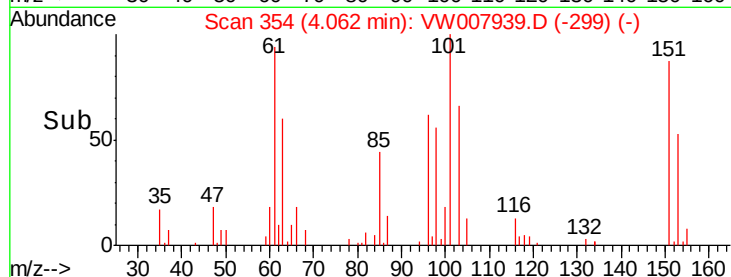
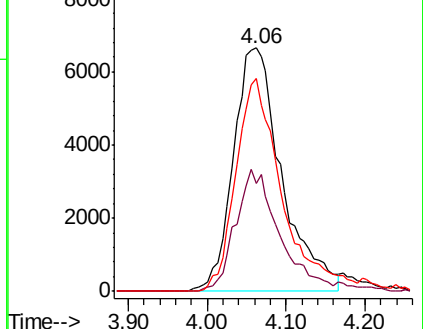
151 80.9 63.2 94.8



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: 23.877 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

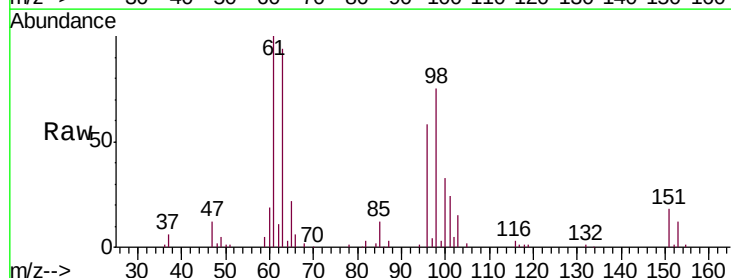
Tgt Ion: 96 Resp: 27112

Ion Ratio Lower Upper

96 100

61 173.8 120.3 223.3

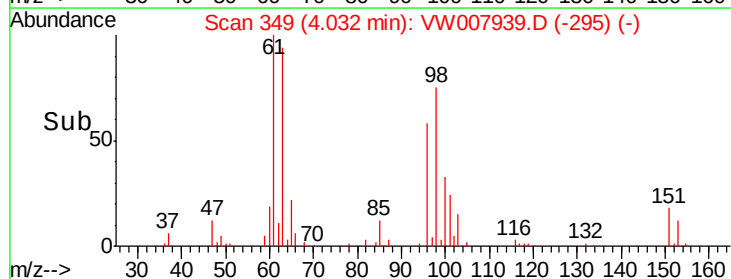
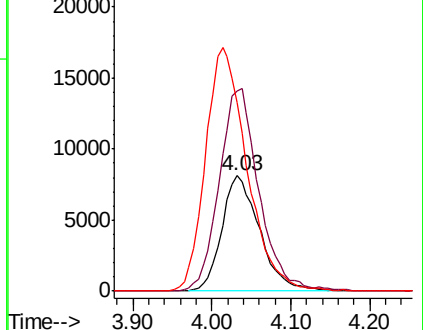
63 163.8 91.6 170.0

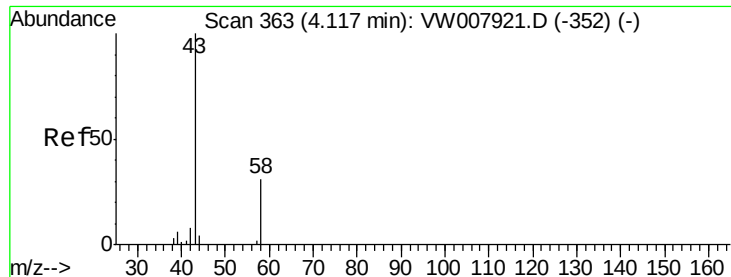


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.483 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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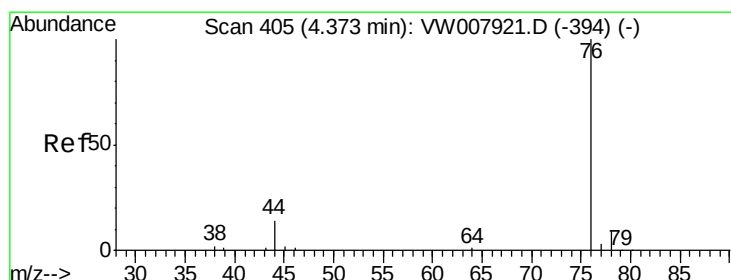
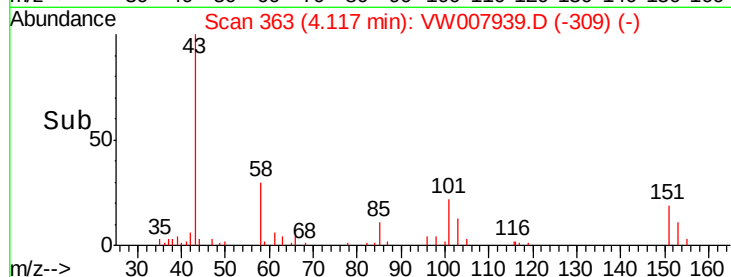
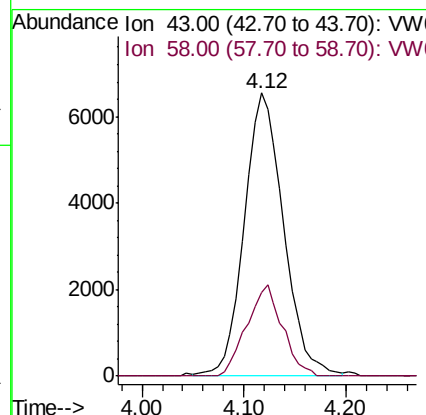
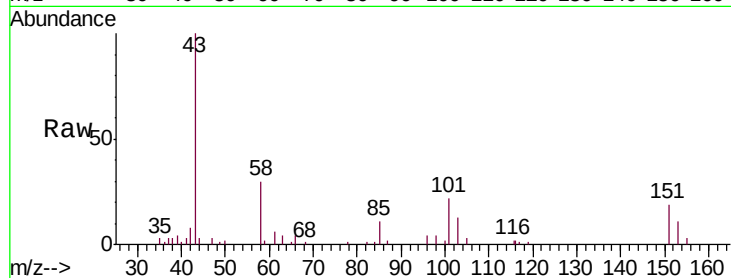
VSTD02590

Tgt Ion: 43 Resp: 17539

Ion Ratio Lower Upper

43 100

58 29.1 0.0 58.6



#14

Carbon disulfide

Concen: 22.830 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007939.D

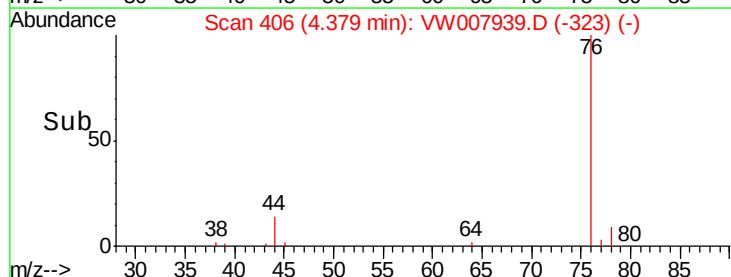
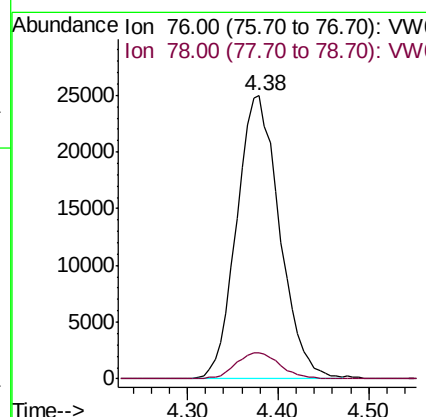
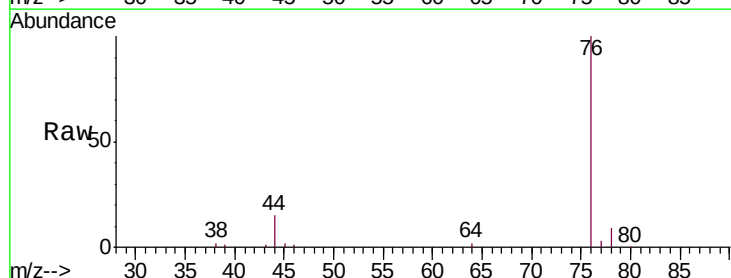
Acq: 26 Dec 2018 22:43

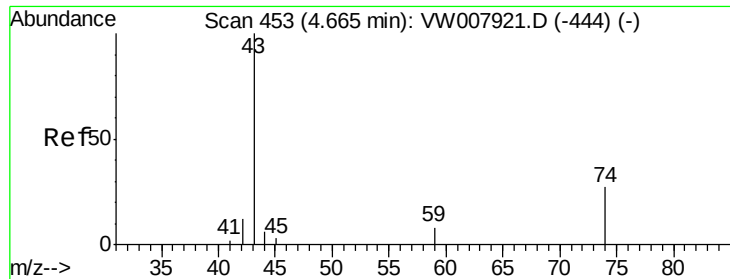
Tgt Ion: 76 Resp: 82107

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

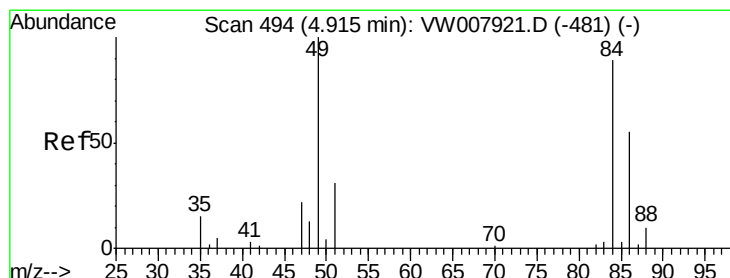
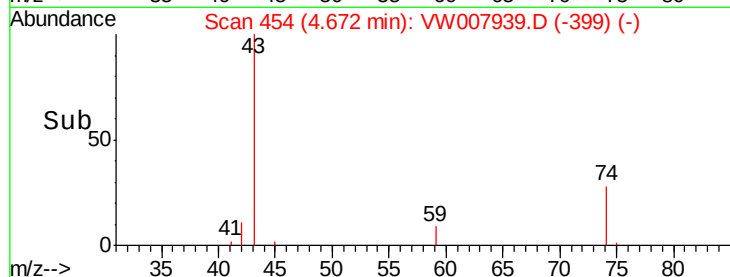
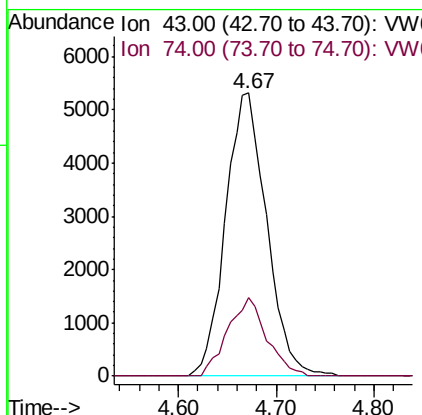
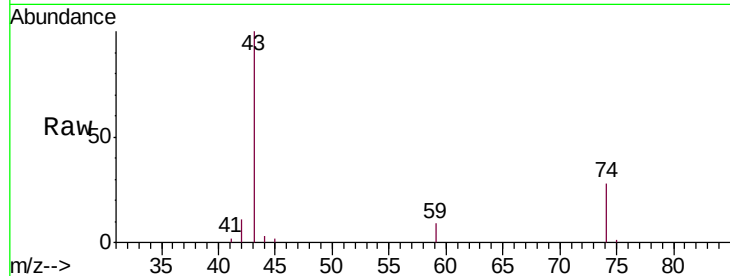




#15
Methyl Acetate
Concen: 25.216 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

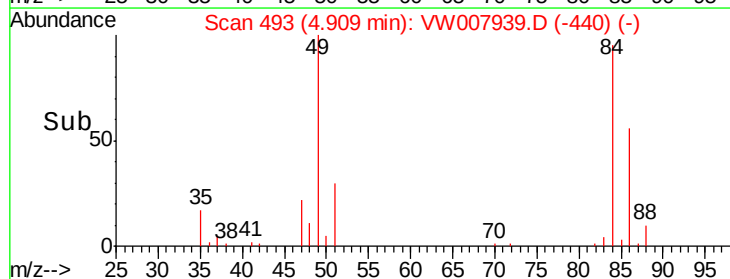
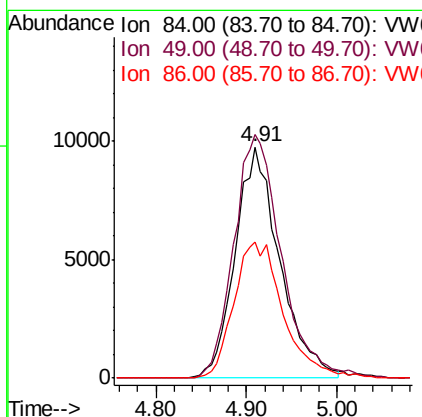
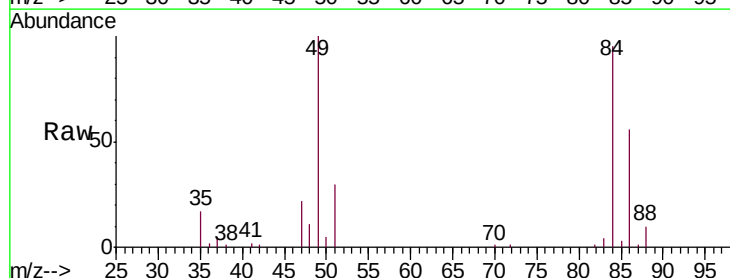
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

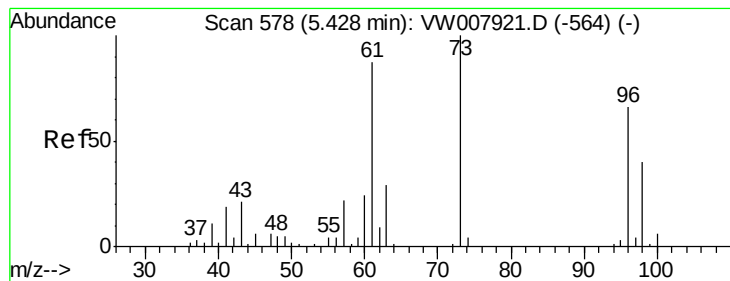
Tgt Ion: 43 Resp: 15477
Ion Ratio Lower Upper
43 100
74 26.4 20.2 30.2



#16
Methylene chloride
Concen: 20.859 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Tgt Ion: 84 Resp: 33154
Ion Ratio Lower Upper
84 100
49 105.3 79.2 147.0
86 58.7 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 23.298 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

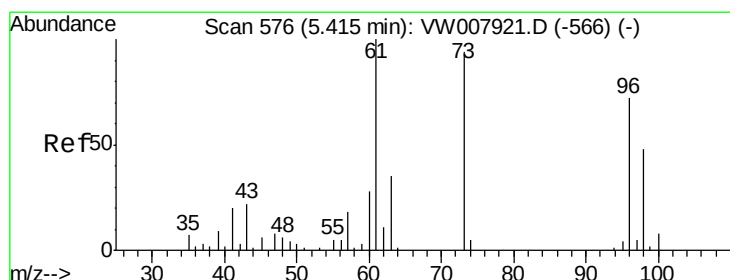
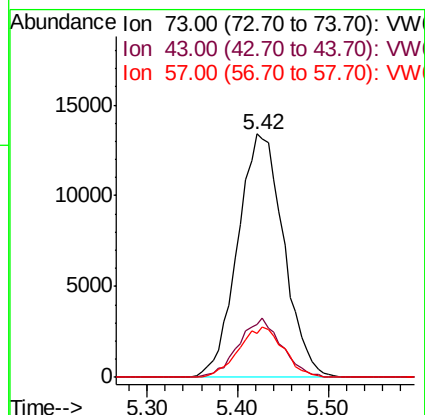
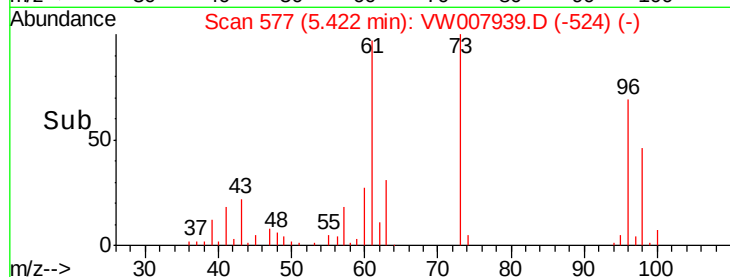
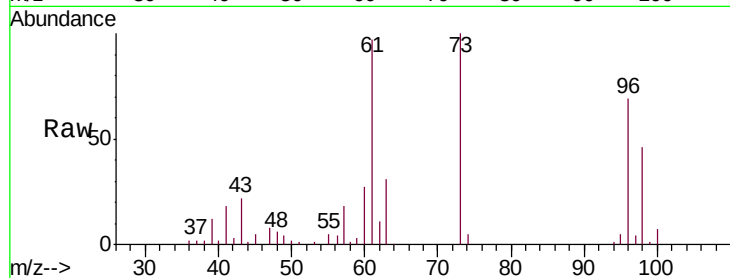
Tgt Ion: 73 Resp: 47021

Ion Ratio Lower Upper

73 100

43 22.8 18.5 27.7

57 20.1 16.4 24.6



#18

trans-1,2-Dichloroethene

Concen: 23.490 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

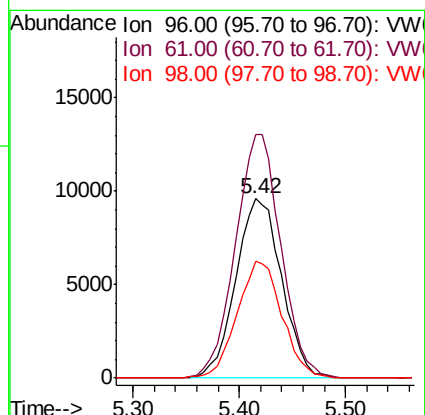
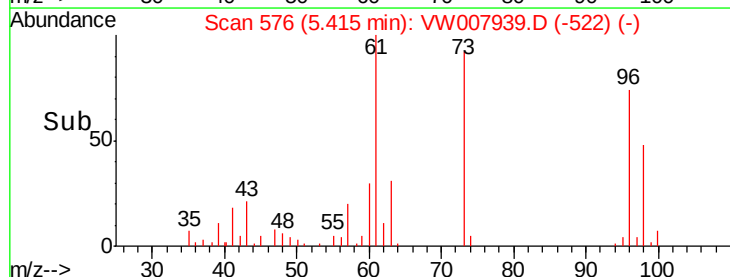
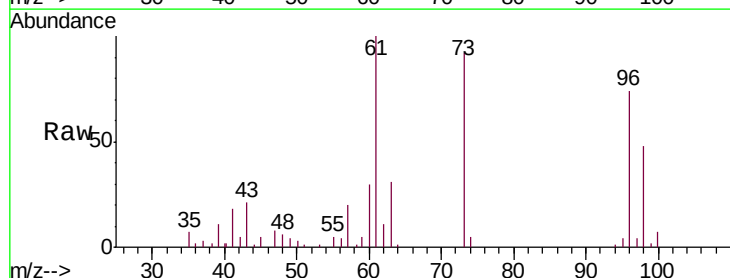
Tgt Ion: 96 Resp: 28933

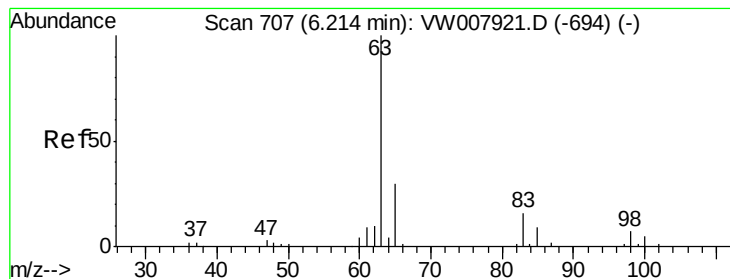
Ion Ratio Lower Upper

96 100

61 136.0 91.4 169.8

98 65.4 48.0 89.2





#19

1,1-Dichloroethane

Concen: 23.616 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

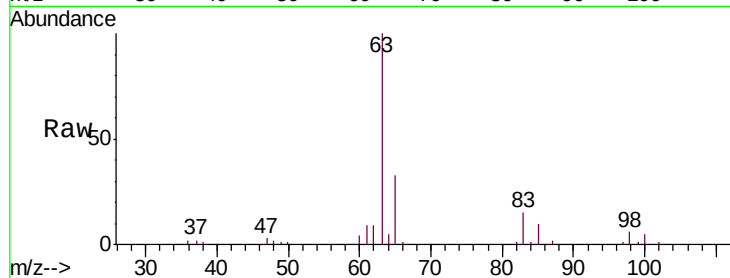
Tgt Ion: 63 Resp: 48392

Ion Ratio Lower Upper

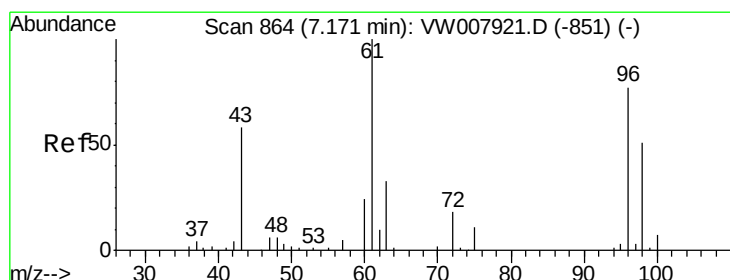
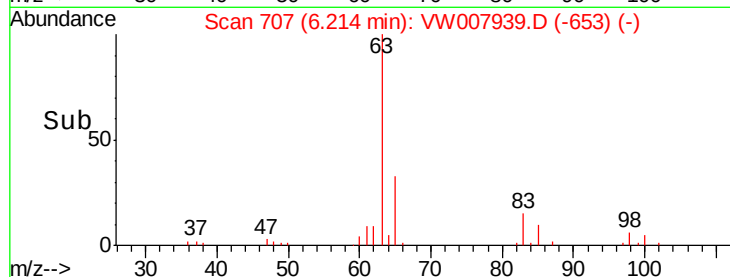
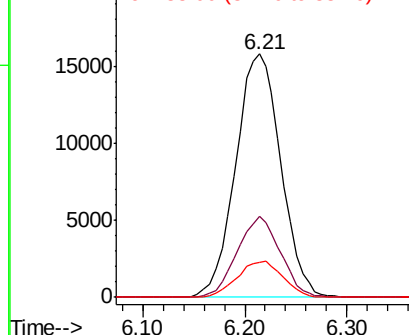
63 100

65 33.4 20.6 38.4

83 14.6 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 46.943 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007939.D

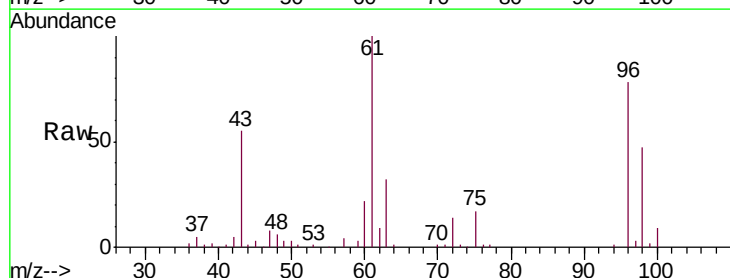
Acq: 26 Dec 2018 22:43

Tgt Ion: 43 Resp: 21545

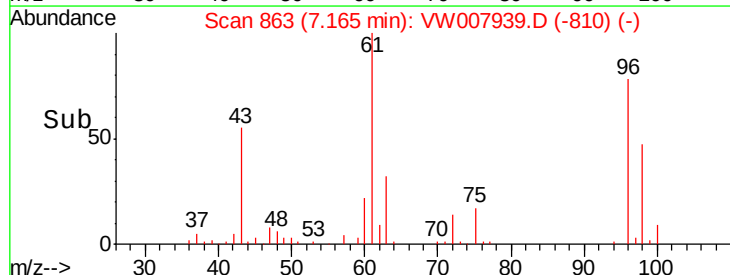
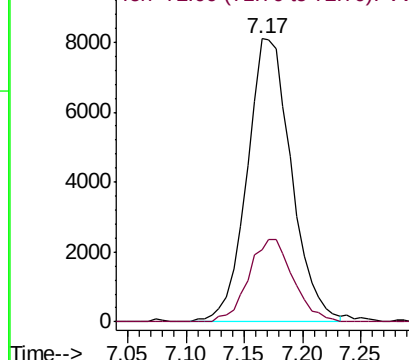
Ion Ratio Lower Upper

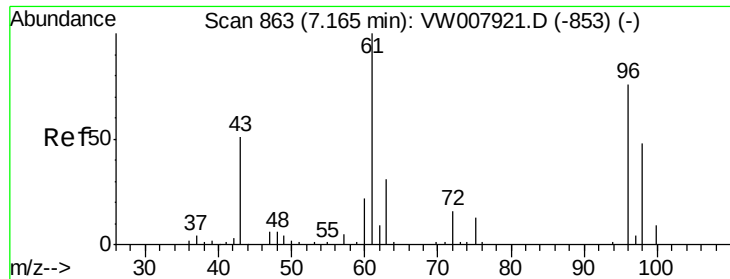
43 100

72 29.2 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



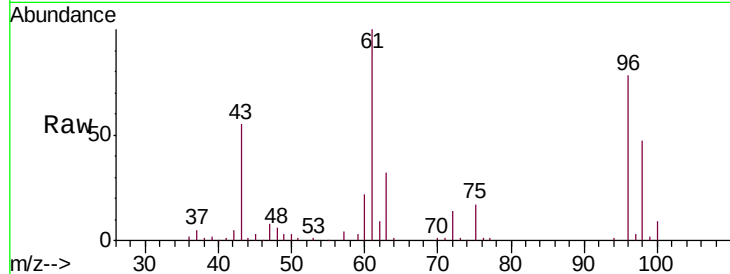


#22

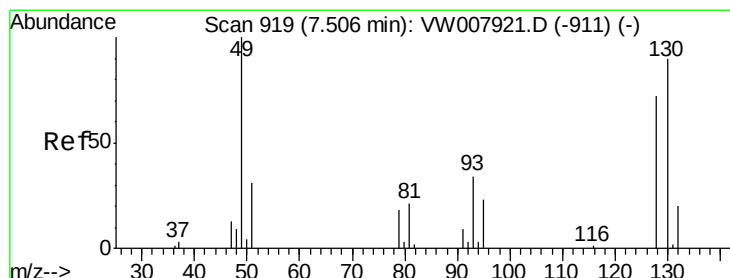
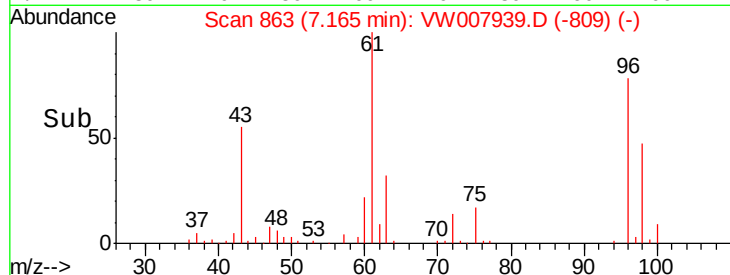
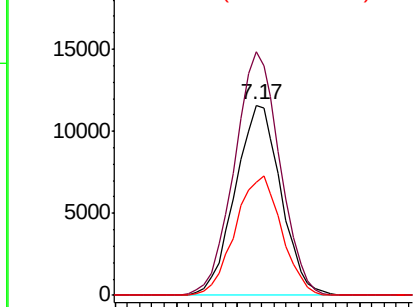
cis-1,2-Dichloroethene
Concen: 22.806 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

Tgt Ion: 96 Resp: 30100
Ion Ratio Lower Upper
96 100
61 128.2 83.4 155.0
98 59.8 42.3 78.5



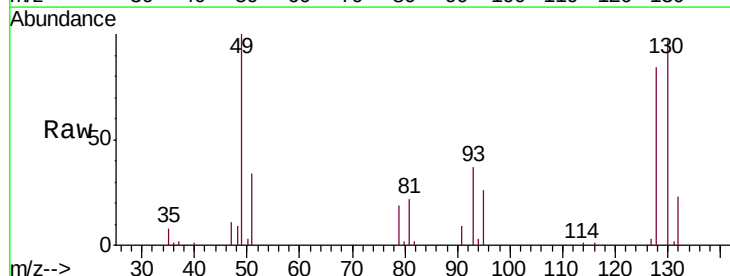
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



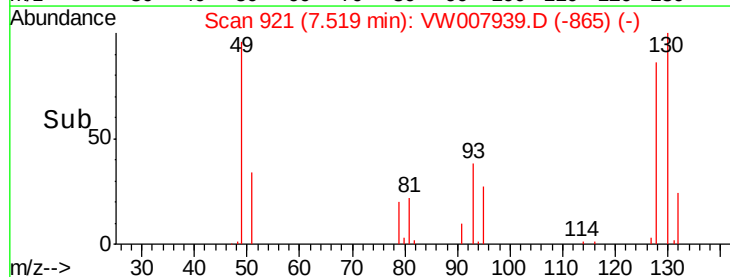
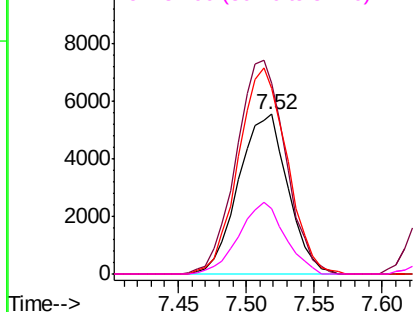
#23

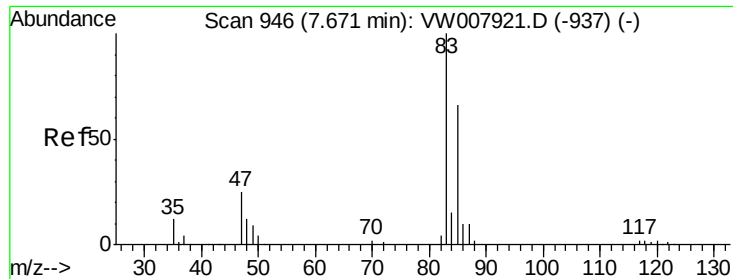
Bromochloromethane
Concen: 23.698 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Tgt Ion: 128 Resp: 14082
Ion Ratio Lower Upper
128 100
49 119.4 96.9 180.1
130 116.2 86.2 160.0
51 40.9 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

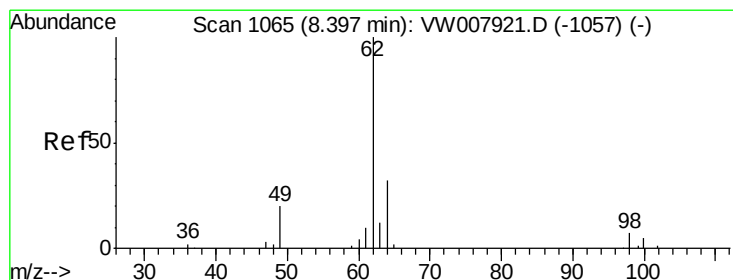
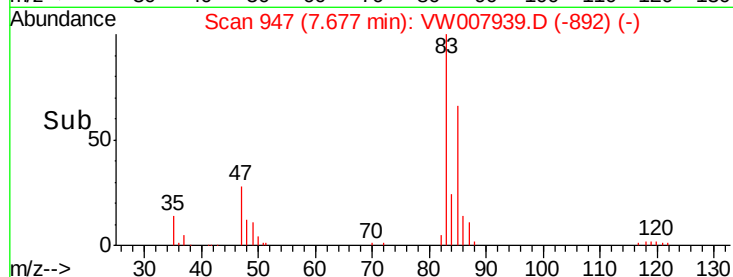
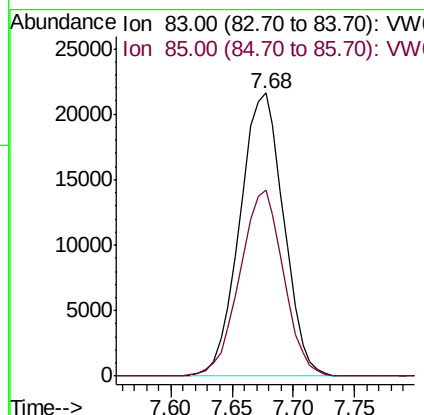
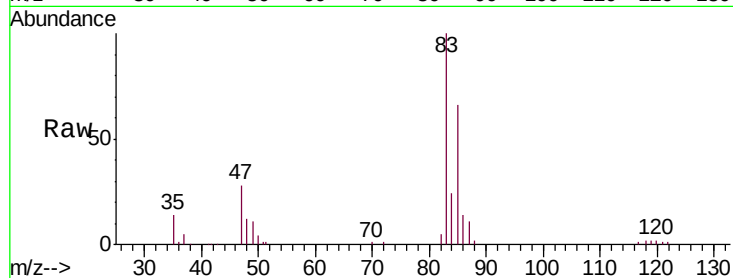




#25
Chloroform
Concen: 23.337 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

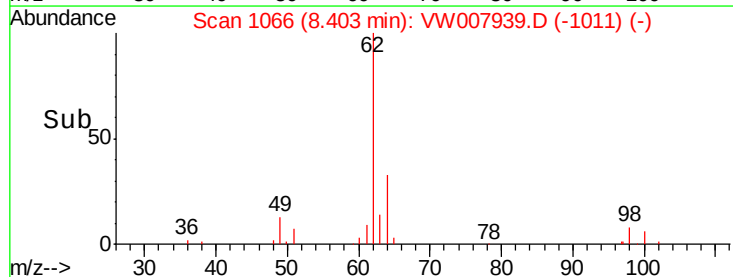
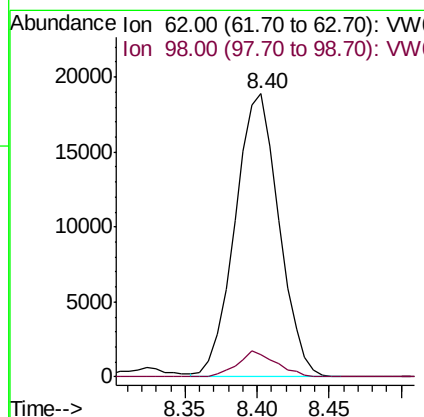
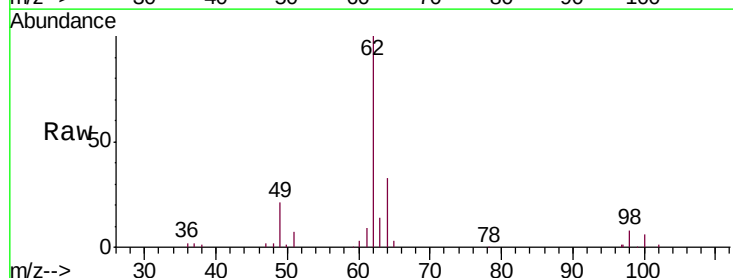
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

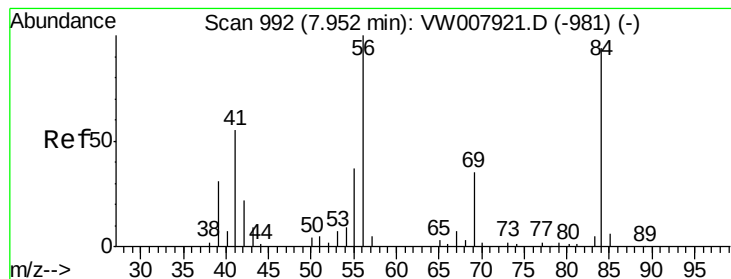
Tgt Ion: 83 Resp: 53858
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 23.664 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Tgt Ion: 62 Resp: 40055
Ion Ratio Lower Upper
62 100
98 7.7 5.4 8.2





#30

Cyclohexane

Concen: 23.511 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

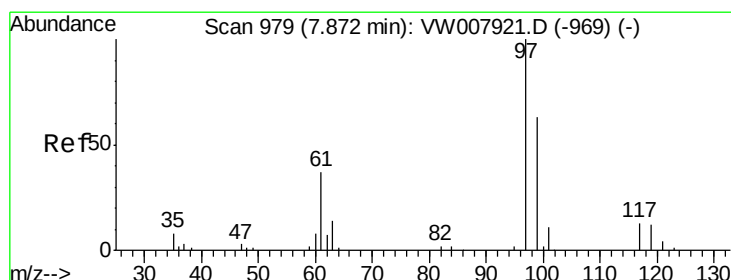
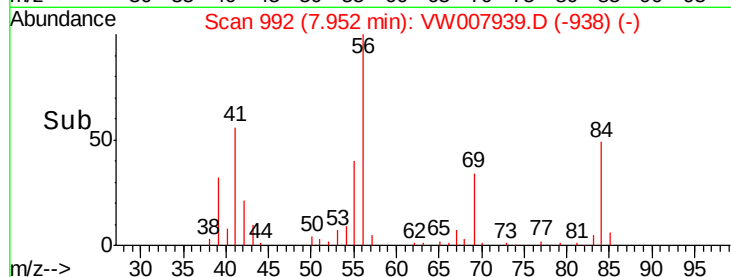
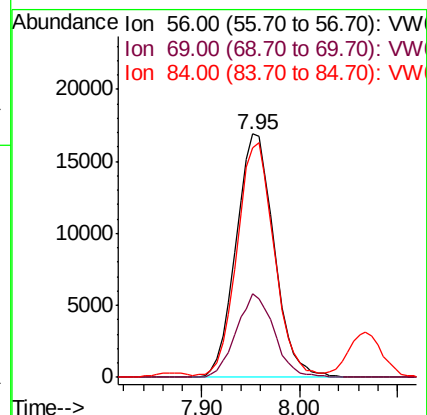
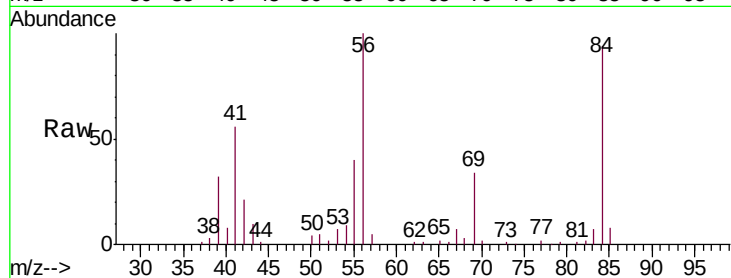
Tgt Ion: 56 Resp: 45826

Ion Ratio Lower Upper

56 100

69 33.9 26.2 39.4

84 94.5 74.3 111.5



#31

1,1,1-Trichloroethane

Concen: 23.789 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

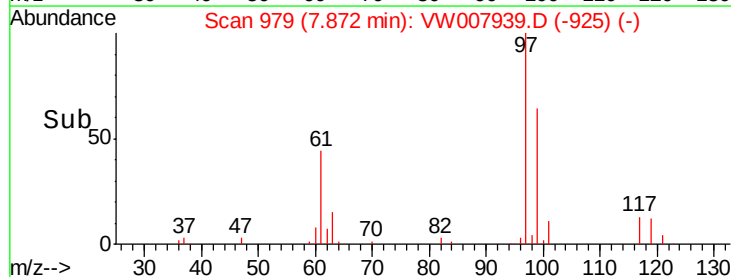
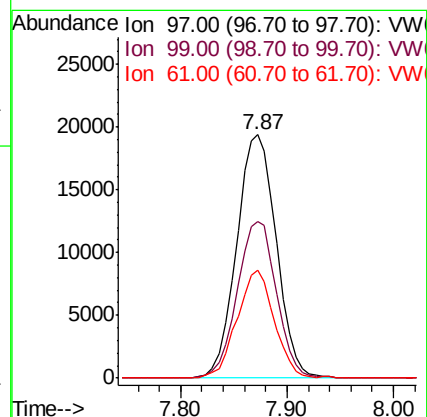
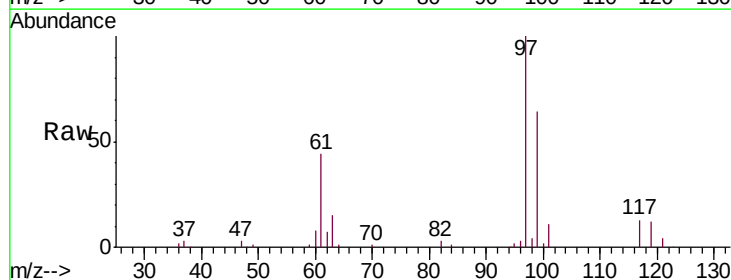
Tgt Ion: 97 Resp: 50530

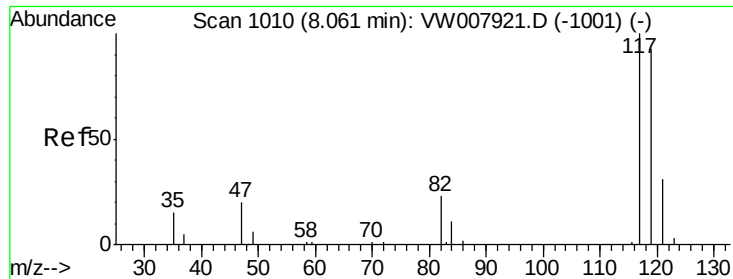
Ion Ratio Lower Upper

97 100

99 63.9 52.3 78.5

61 41.7 33.5 50.3





#32

Carbon tetrachloride

Concen: 23.903 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

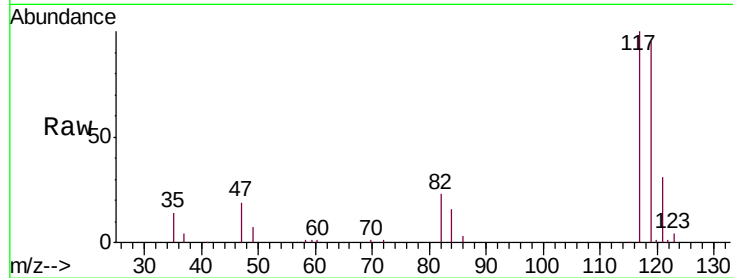
VSTD02590

Tgt Ion:117 Resp: 48744

Ion Ratio Lower Upper

117 100

119 96.2 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

20000

15000

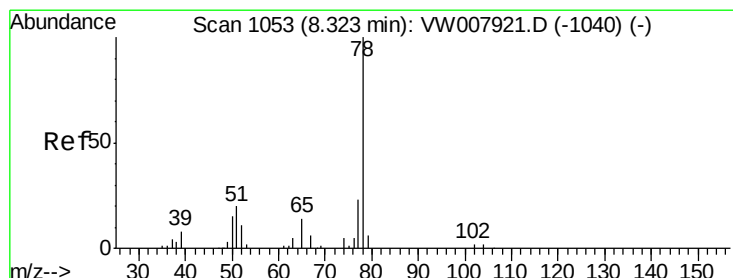
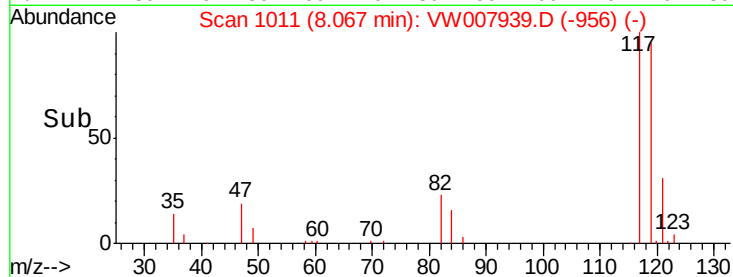
10000

5000

0

Time-->

7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 23.142 ug/L

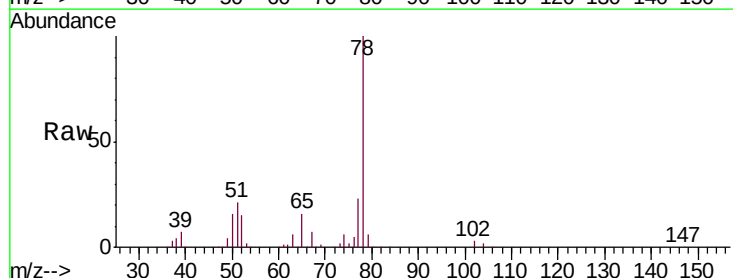
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Tgt Ion: 78 Resp: 109713



Abundance Ion 78.00 (77.70 to 78.70): VW

60000

50000

40000

30000

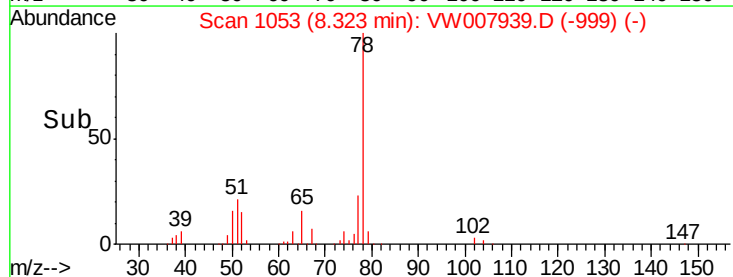
20000

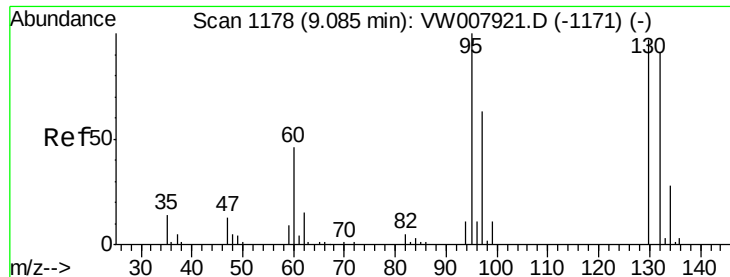
10000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 23.602 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 95 Resp: 32509

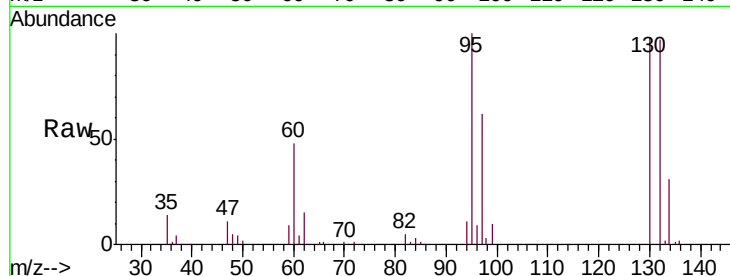
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.5

132 97.4 67.8 126.0

130 100.4 70.3 130.7



Abundance

Ion 95.00 (94.70 to 95.70): VW

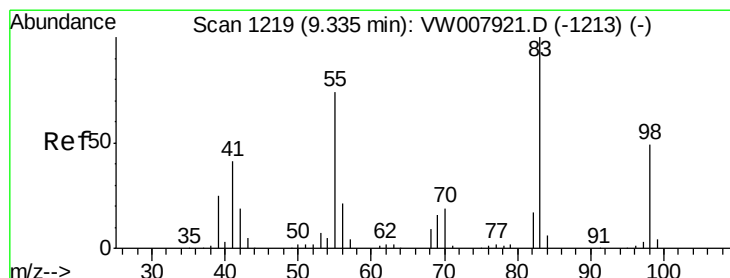
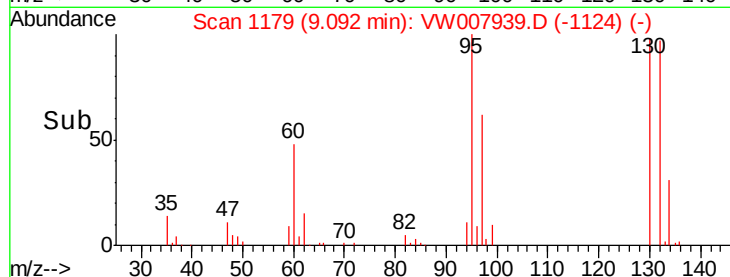
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

9.09

Time-->



#36

Methylcyclohexane

Concen: 23.910 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

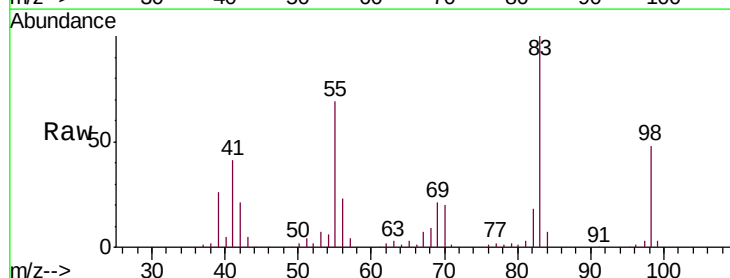
Tgt Ion: 83 Resp: 56476

Ion Ratio Lower Upper

83 100

55 72.2 59.4 89.0

98 47.9 38.2 57.2



Abundance

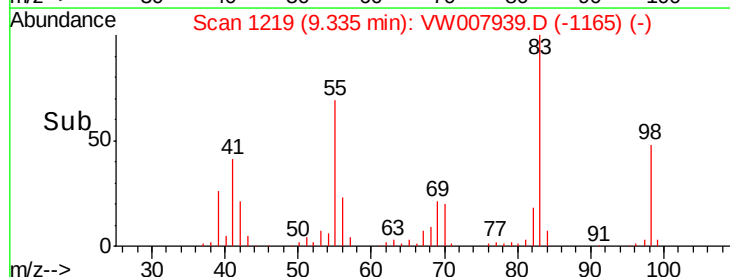
Ion 83.00 (82.70 to 83.70): VW

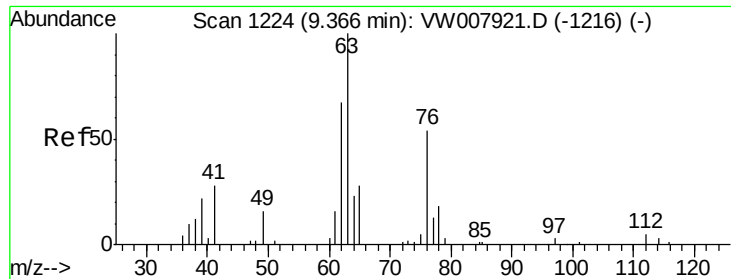
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

9.34

Time-->

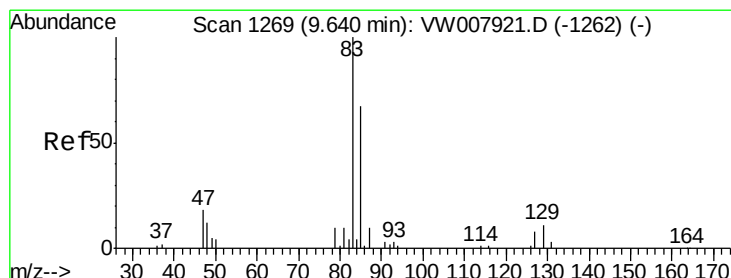
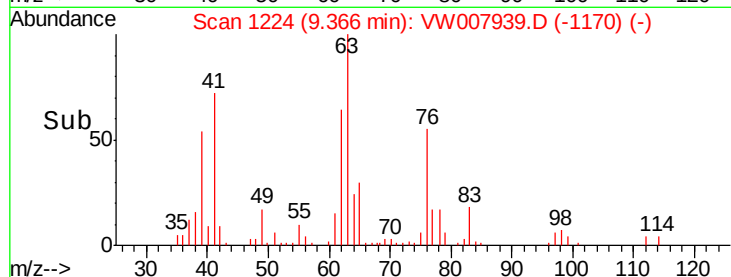
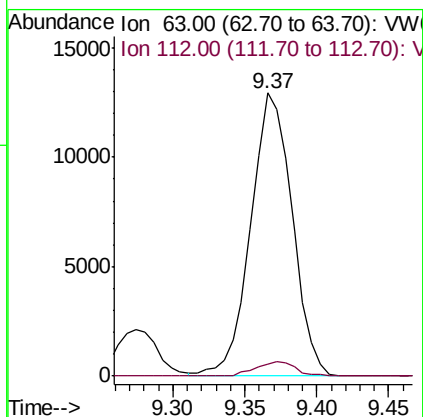
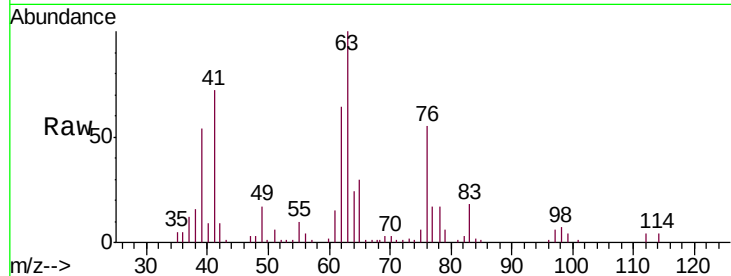




#40
 1,2-Dichloropropane
 Concen: 23.148 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

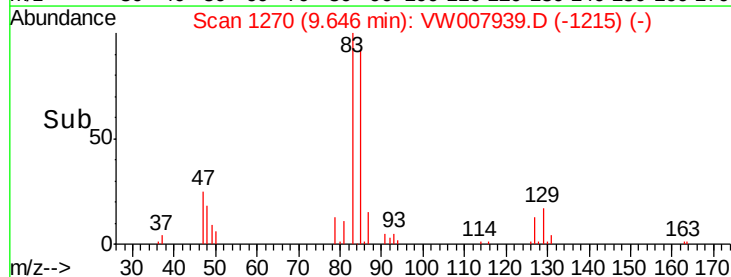
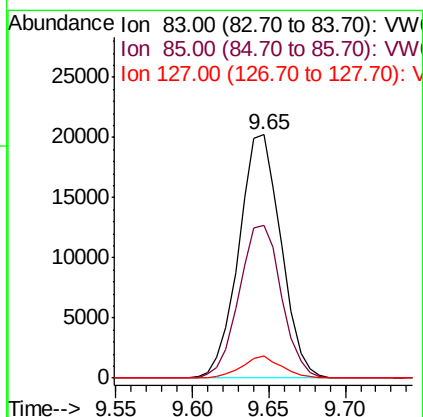
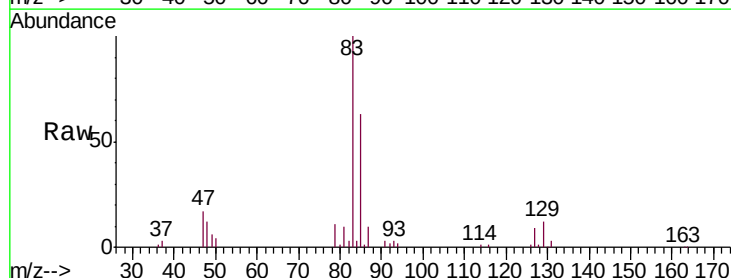
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

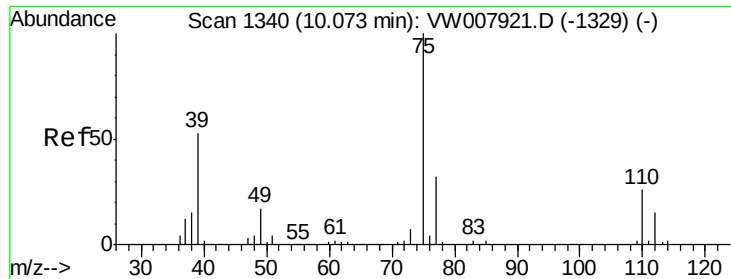
Tgt Ion: 63 Resp: 25796
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.688 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion: 83 Resp: 38823
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.4 82.5
 127 9.1 7.0 10.6

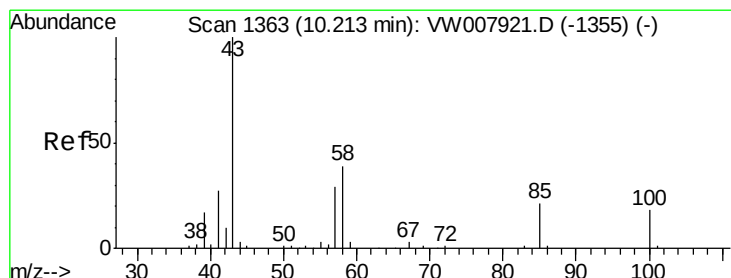
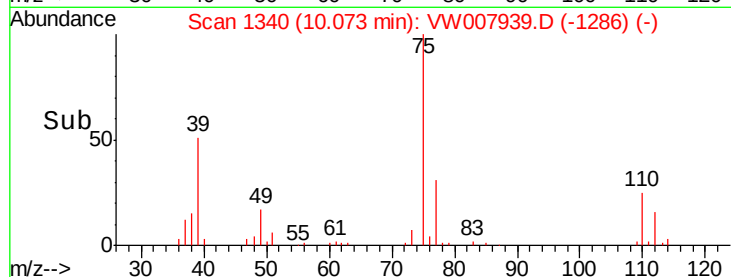
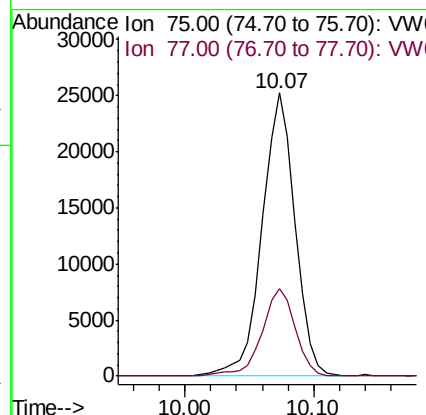
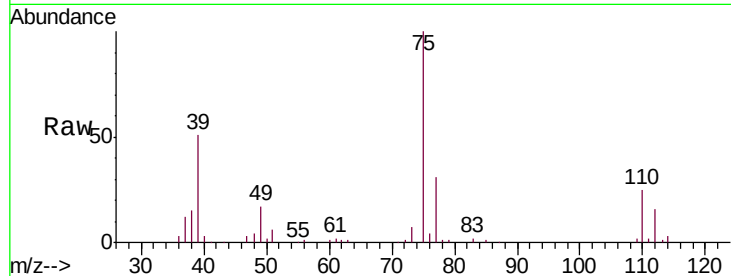




#42
 cis-1,3-Dichloropropene
 Concen: 22.981 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

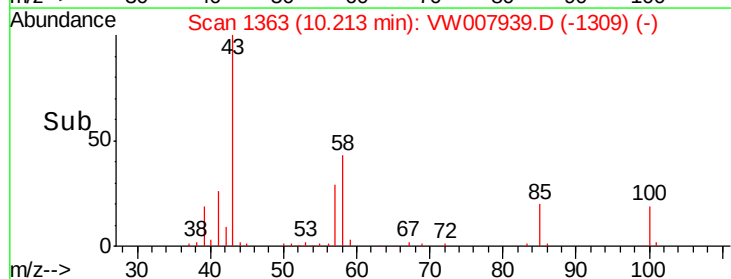
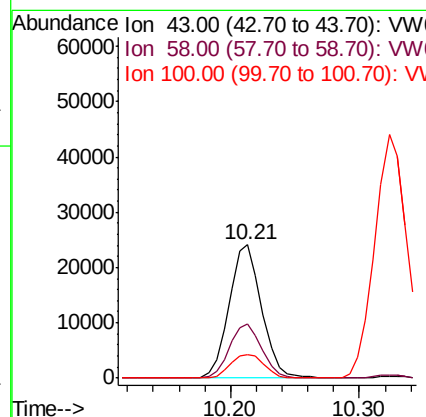
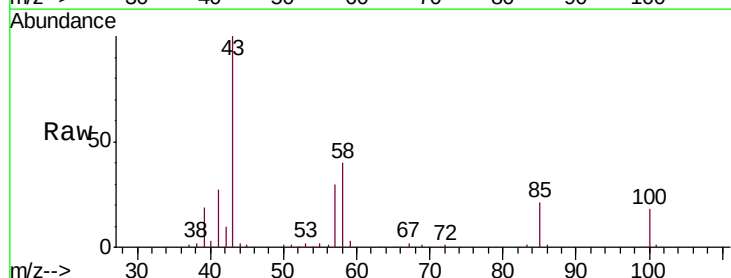
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

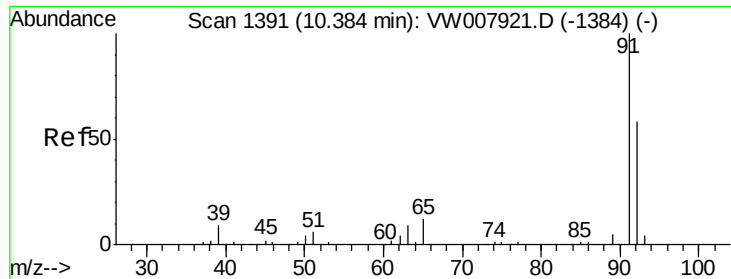
Tgt Ion: 75 Resp: 44705
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.0 42.8



#43
 4-Methyl-2-pentanone
 Concen: 48.250 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion: 43 Resp: 42558
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.1 46.7
 100 18.3 14.0 21.0





#44

Toluene

Concen: 23.452 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

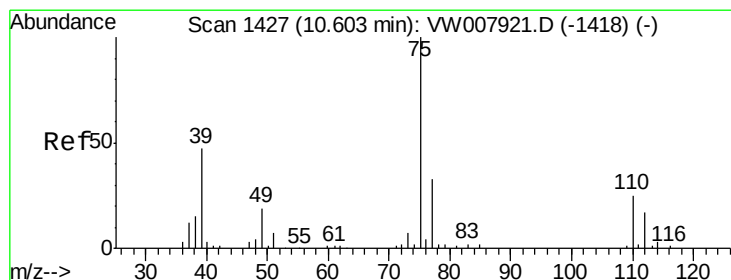
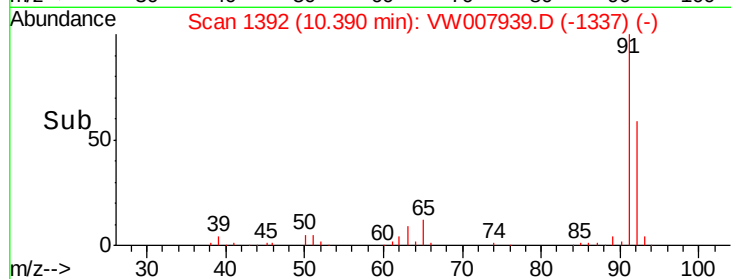
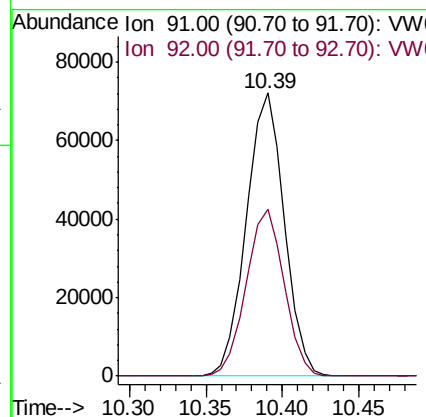
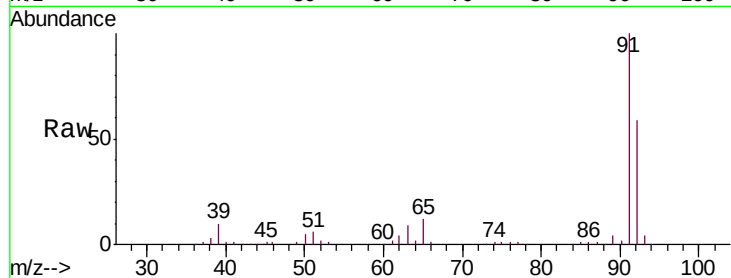
VSTD02590

Tgt Ion: 91 Resp: 124392

Ion Ratio Lower Upper

91 100

92 58.8 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 23.007 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007939.D

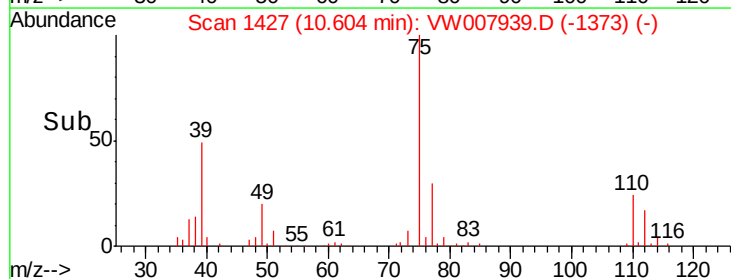
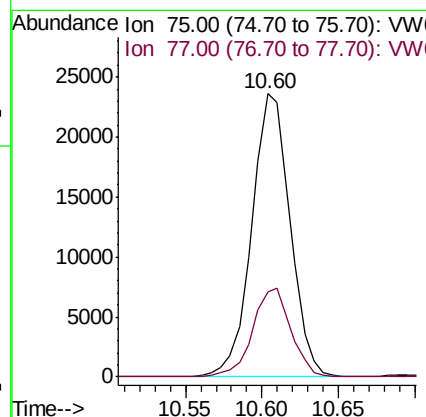
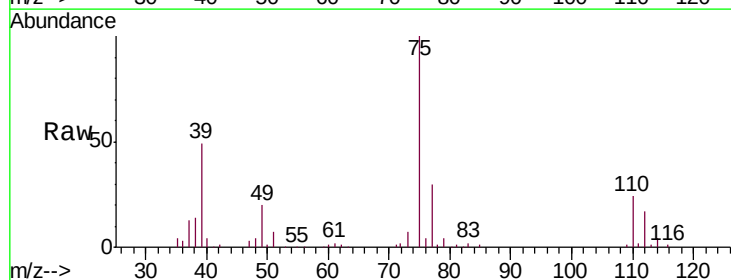
Acq: 26 Dec 2018 22:43

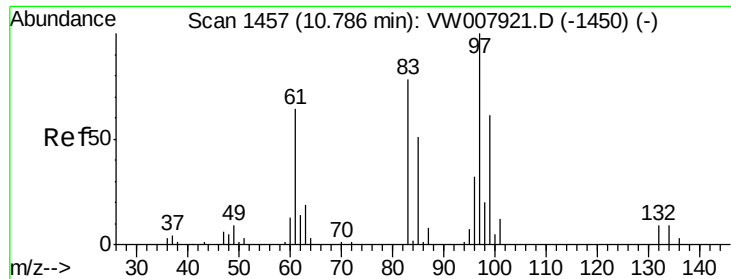
Tgt Ion: 75 Resp: 41239

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 24.474 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 97 Resp: 23074

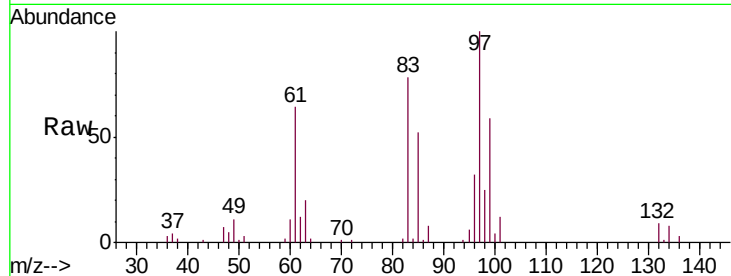
Ion Ratio Lower Upper

97 100

83 77.7 58.4 108.6

85 52.0 36.4 67.6

99 59.1 43.8 81.3



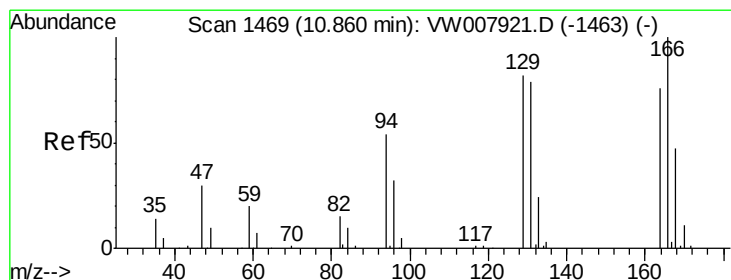
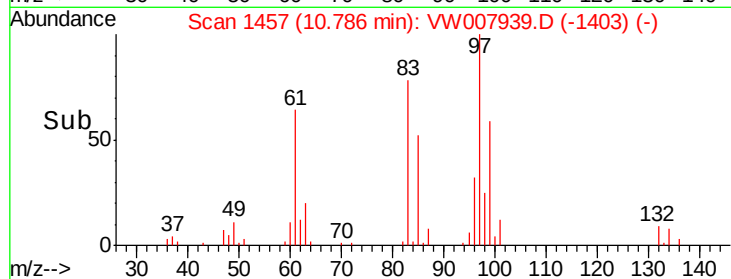
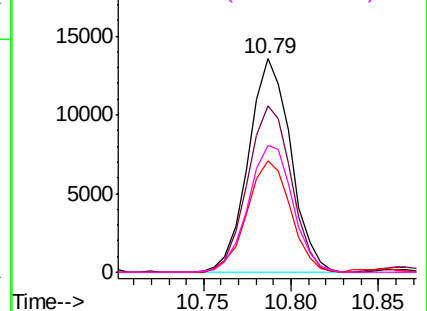
Abundance

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



#47

Tetrachloroethene

Concen: 23.587 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Tgt Ion: 164 Resp: 25813

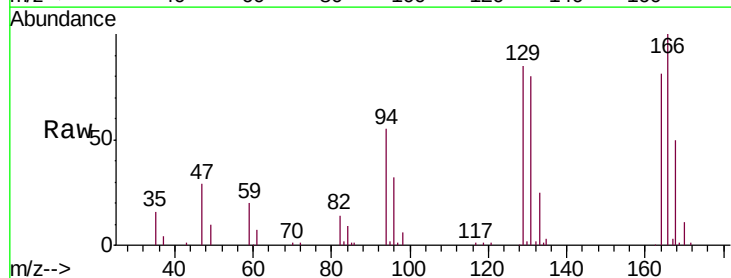
Ion Ratio Lower Upper

164 100

129 105.2 70.6 131.2

131 99.4 66.5 123.5

166 123.5 87.7 162.9



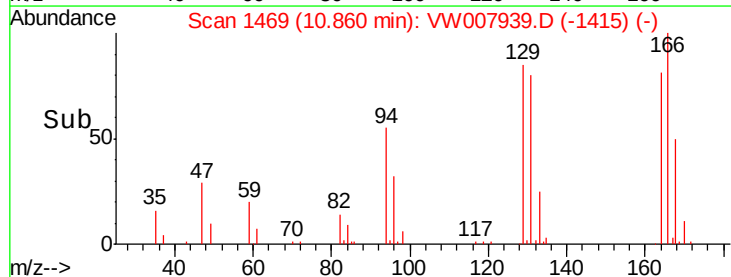
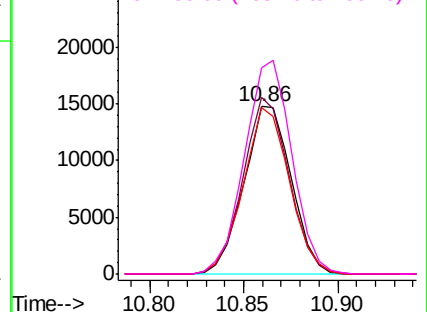
Abundance

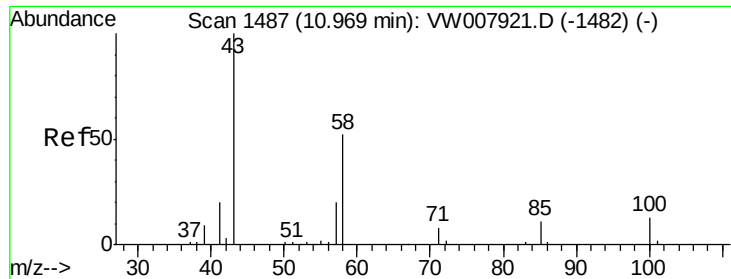
Ion 164.00 (163.70 to 164.70): V

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: 48.894 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

Tgt Ion: 43 Resp: 31114

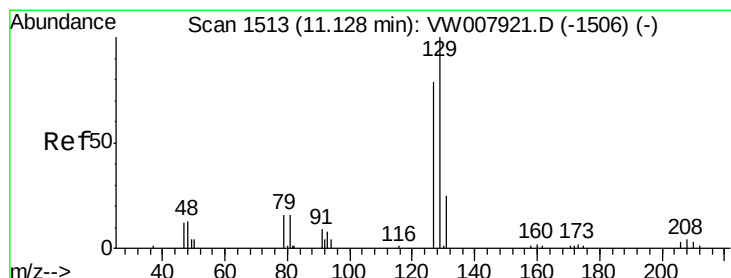
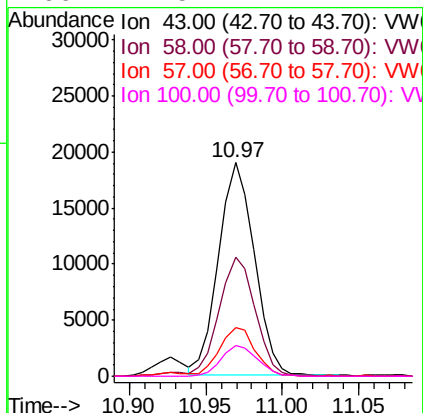
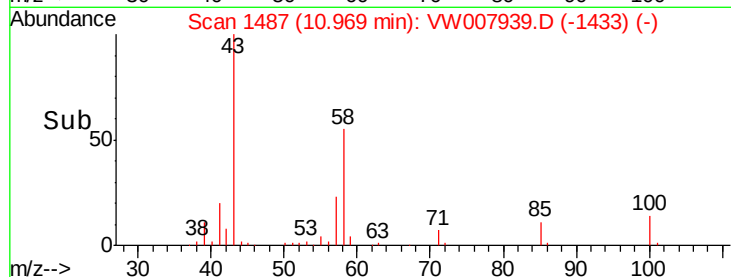
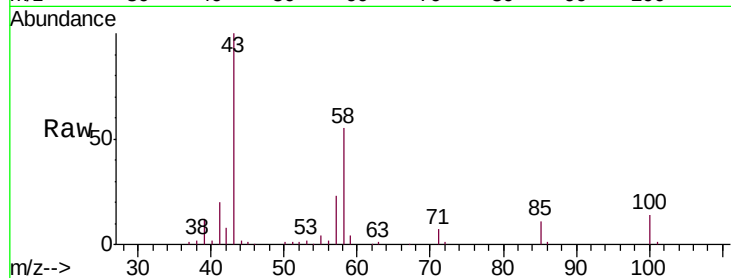
Ion Ratio Lower Upper

43 100

58 55.9 46.2 69.4

57 22.4 17.9 26.9

100 14.5 11.4 17.2



#50

Dibromochloromethane

Concen: 23.044 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007939.D

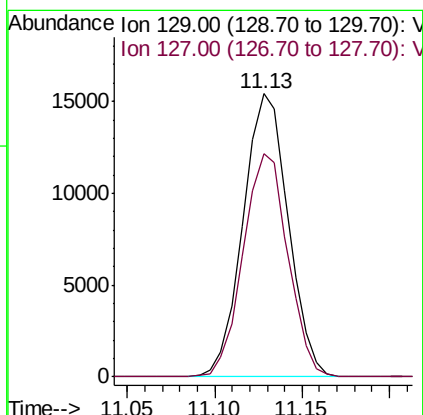
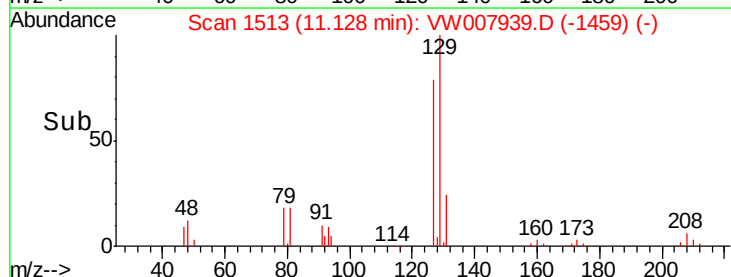
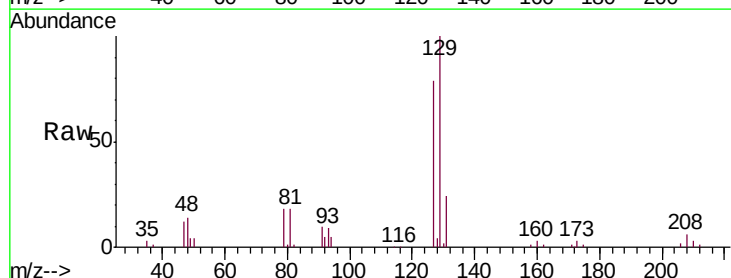
Acq: 26 Dec 2018 22:43

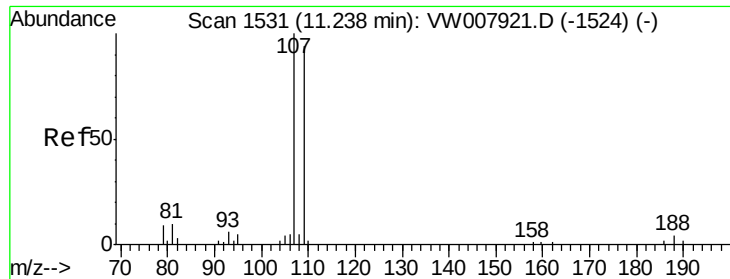
Tgt Ion: 129 Resp: 27679

Ion Ratio Lower Upper

129 100

127 78.8 55.8 103.6

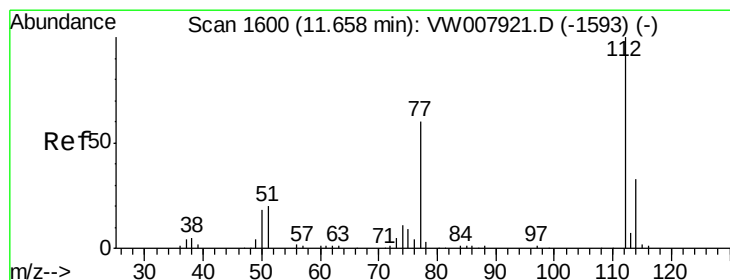
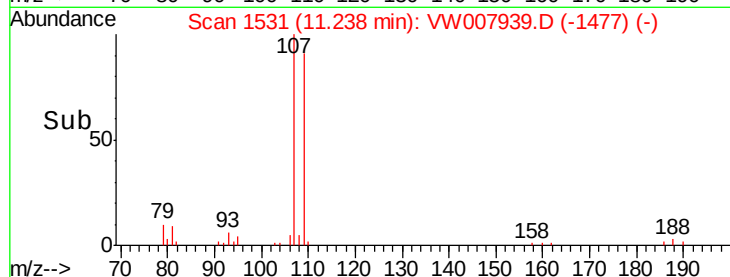
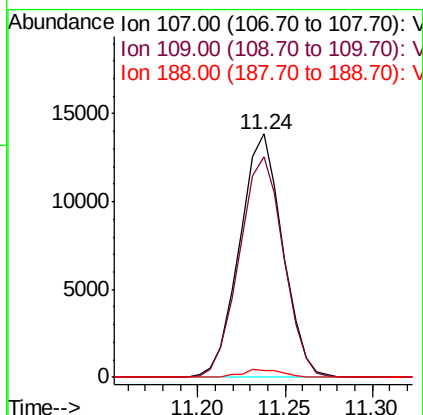
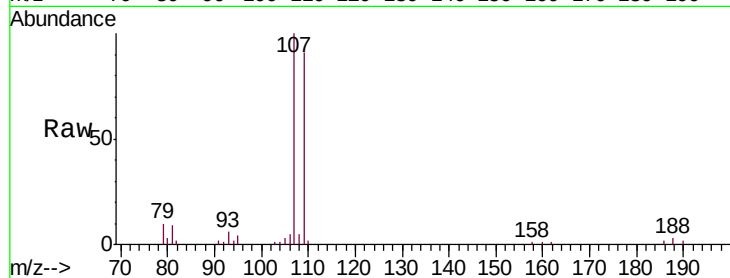




#51
1,2-Dibromoethane
Concen: 24.612 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

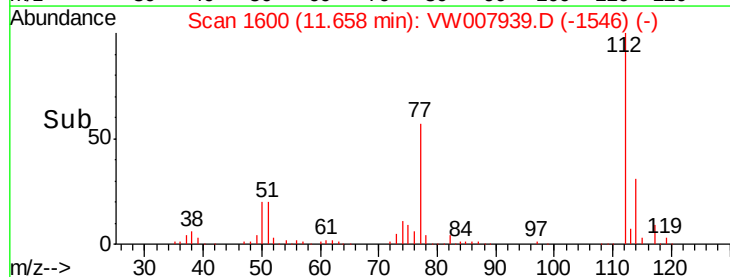
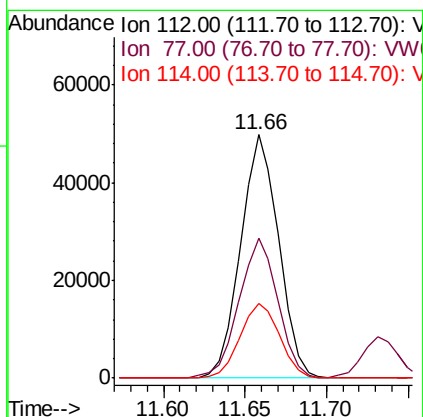
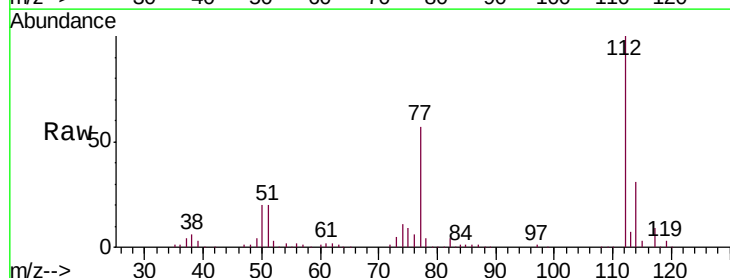
Instrument :
MSVOA_W
ClientSampleId :
VSTD02590

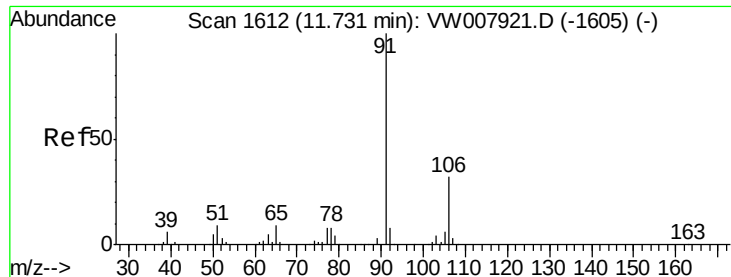
Tgt Ion:107 Resp: 23683
Ion Ratio Lower Upper
107 100
109 90.8 63.2 117.4
188 2.7 3.1 4.7#



#52
Chlorobenzene
Concen: 23.398 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Tgt Ion:112 Resp: 80790
Ion Ratio Lower Upper
112 100
77 57.4 47.8 71.6
114 30.6 22.2 41.2





#53

Ethylbenzene

Concen: 23.680 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

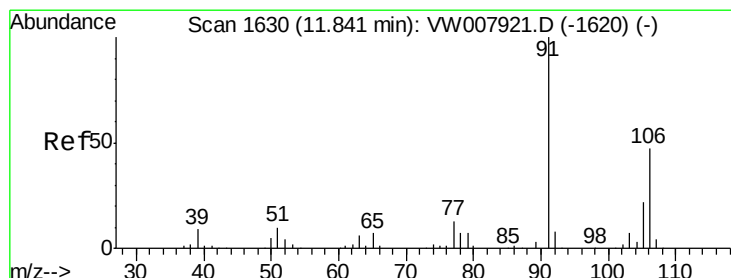
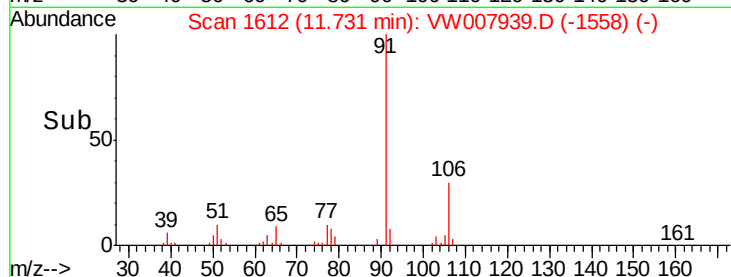
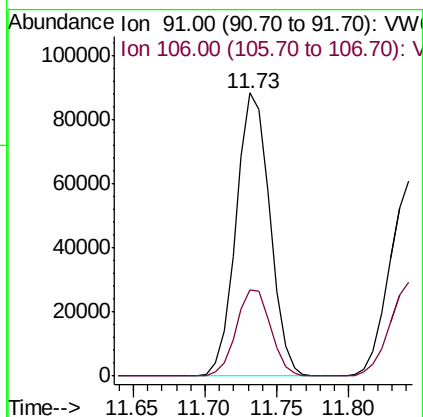
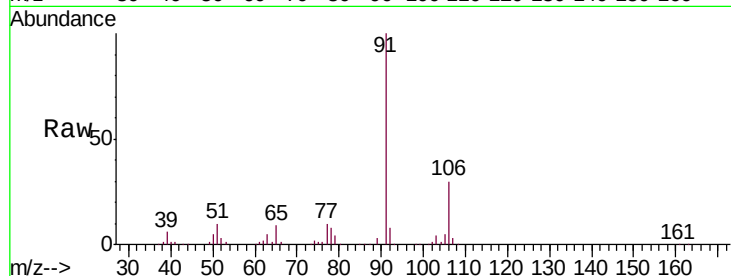
VSTD02590

Tgt Ion: 91 Resp: 144310

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#54

m,p-Xylene

Concen: 23.746 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007939.D

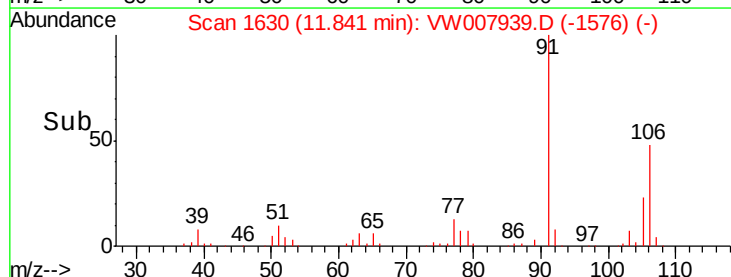
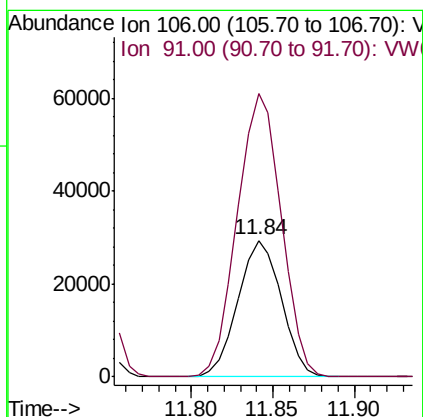
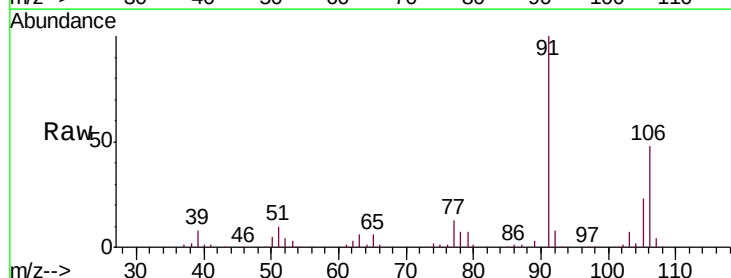
Acq: 26 Dec 2018 22:43

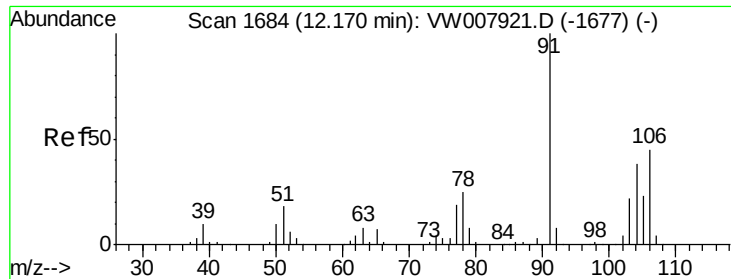
Tgt Ion: 106 Resp: 54521

Ion Ratio Lower Upper

106 100

91 207.5 147.8 274.4

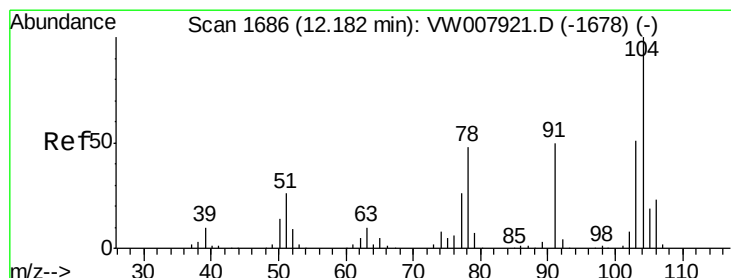
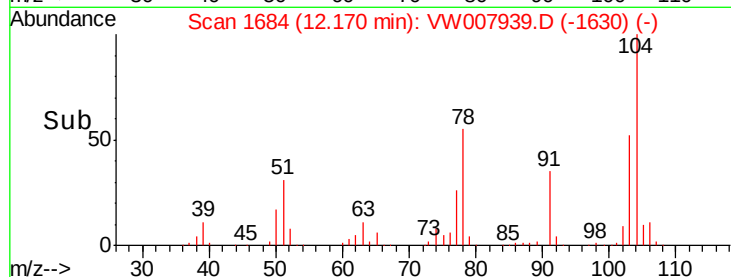
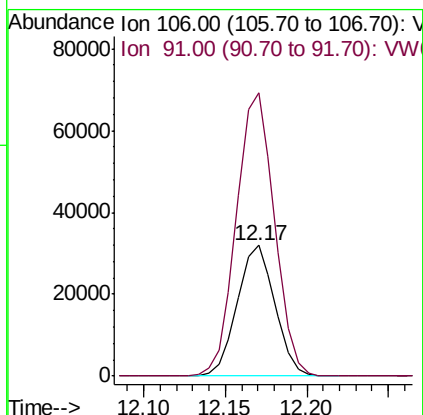
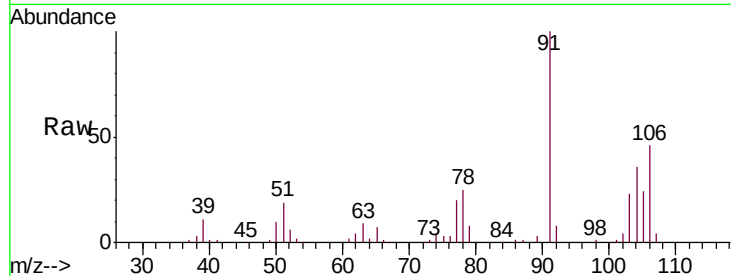




#55
o-xylene
Concen: 23.555 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

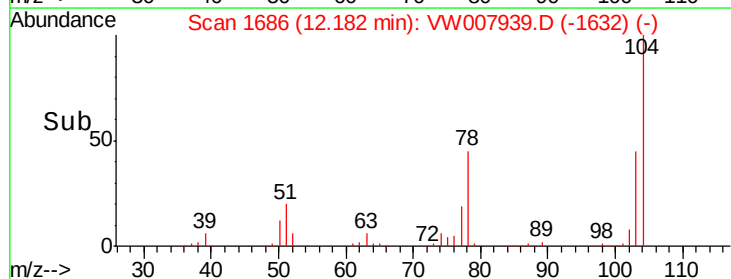
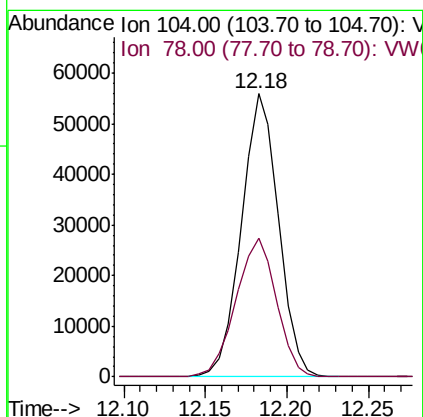
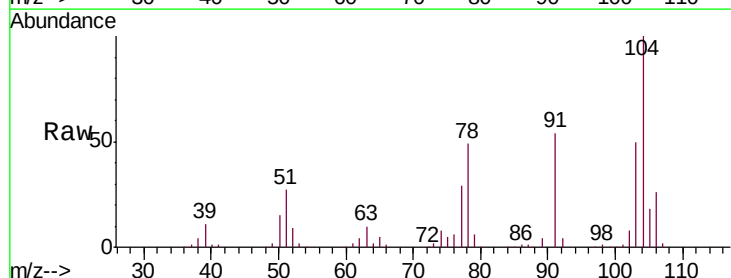
Instrument :
MSVOA_W
ClientSampled :
VSTD02590

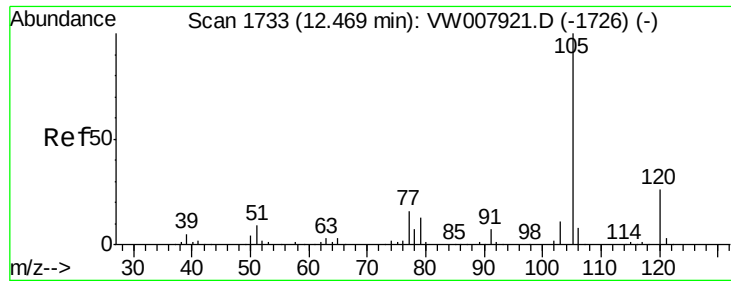
Tgt Ion:106 Resp: 51292
Ion Ratio Lower Upper
106 100
91 216.2 156.0 289.6



#56
Styrene
Concen: 24.024 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007939.D
Acq: 26 Dec 2018 22:43

Tgt Ion:104 Resp: 88667
Ion Ratio Lower Upper
104 100
78 49.2 34.6 64.3





#57

Isopropylbenzene

Concen: 23.936 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampled :

VSTD02590

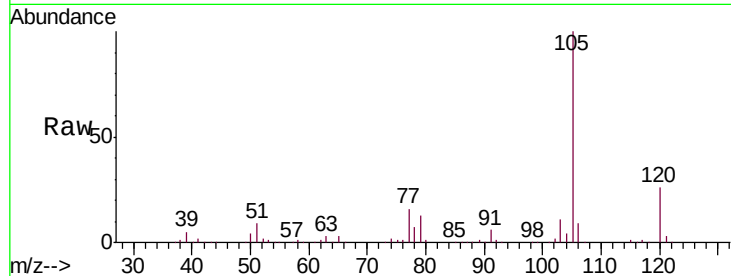
Tgt Ion: 105 Resp: 147640

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

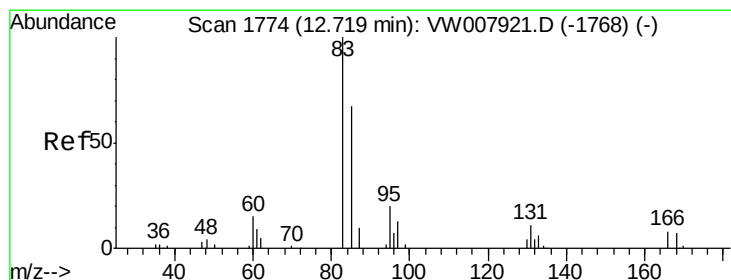
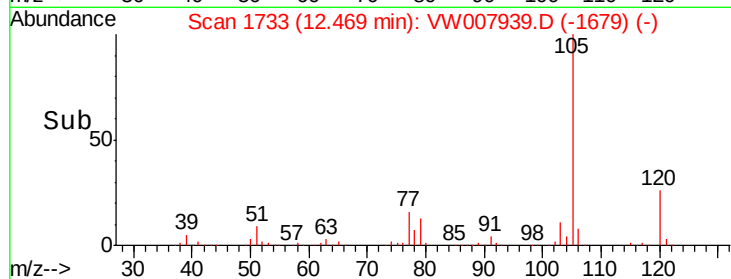
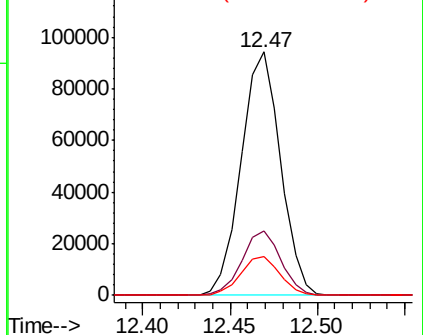
77 16.0 12.4 18.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.341 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

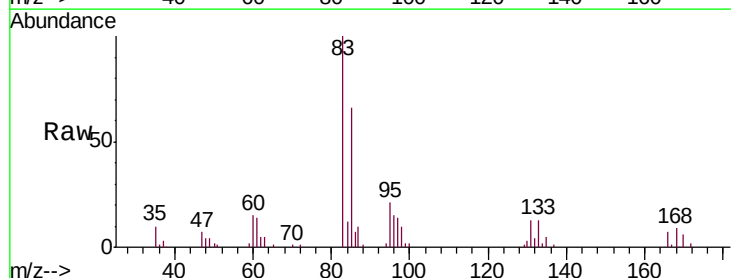
Tgt Ion: 83 Resp: 28455

Ion Ratio Lower Upper

83 100

85 65.9 46.6 86.6

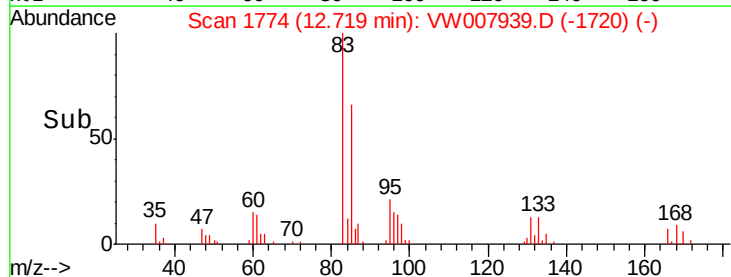
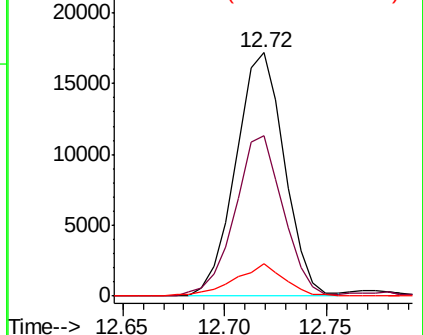
131 13.2 9.7 14.5

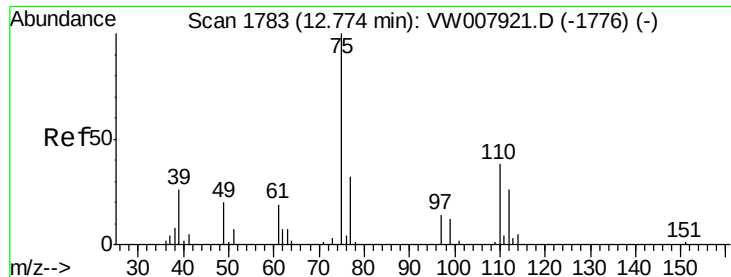


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

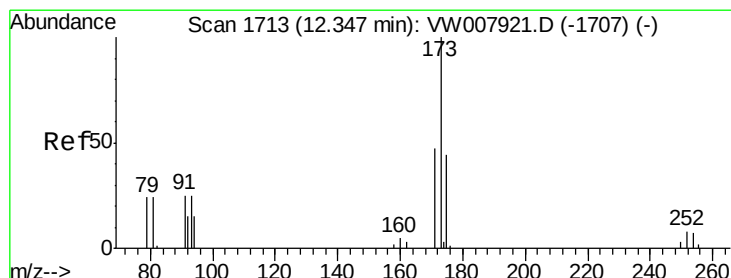
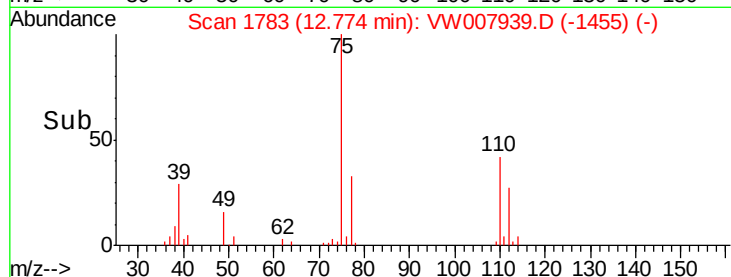
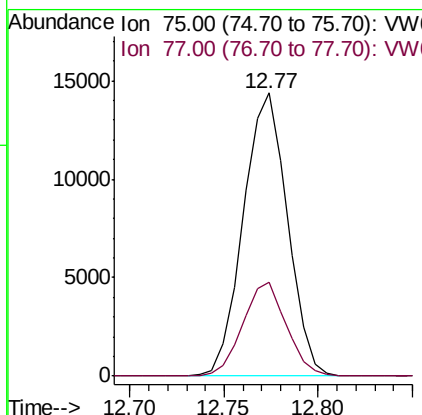
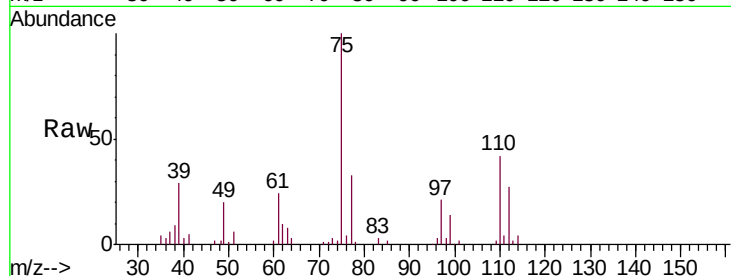




#59
 1,2,3-Trichloropropane
 Concen: 24.813 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

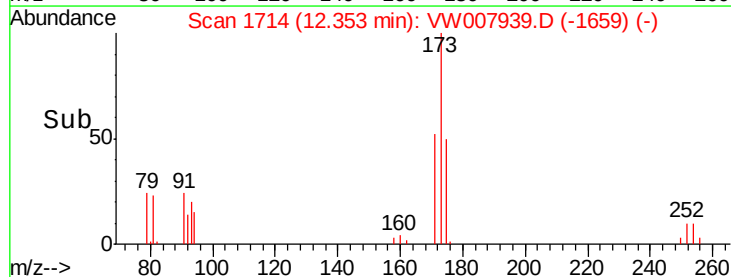
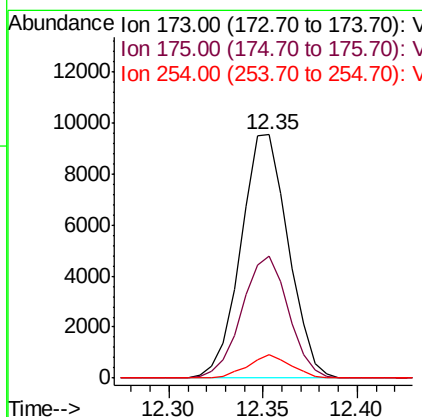
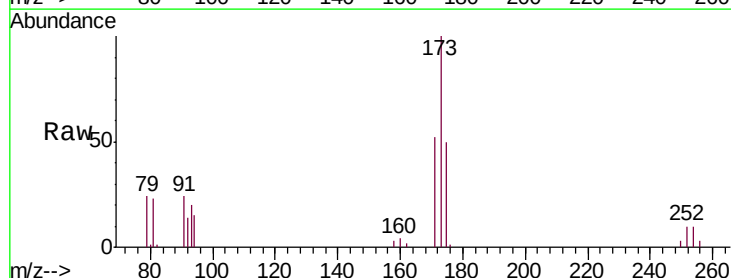
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

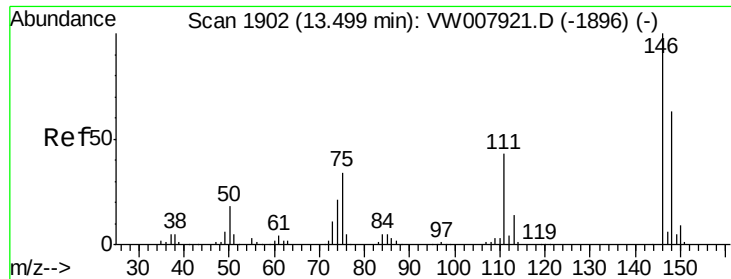
Tgt Ion: 75 Resp: 23331
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



#62
 Bromoform
 Concen: 24.091 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion: 173 Resp: 16658
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 8.6 5.8 8.8

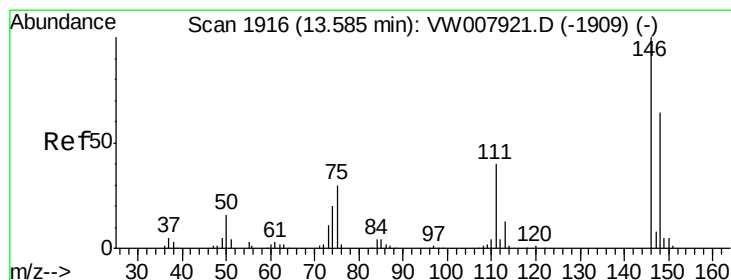
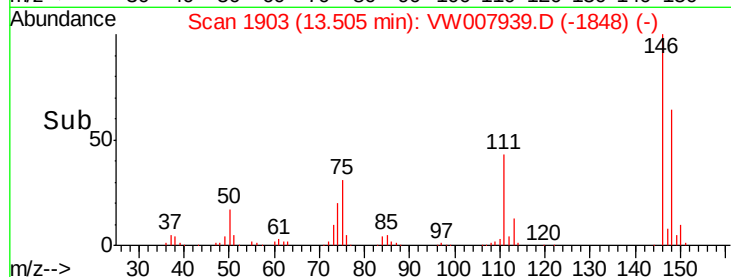
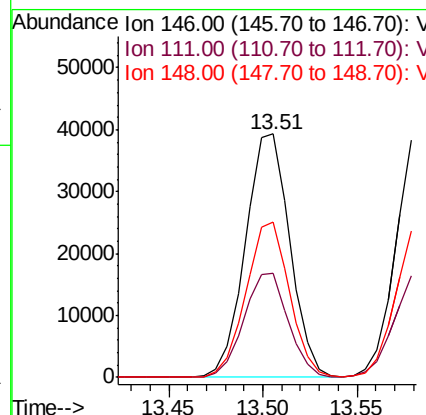
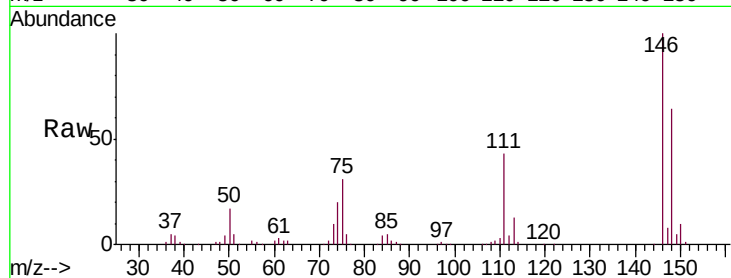




#63
 1,3-Dichlorobenzene
 Concen: 22.944 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

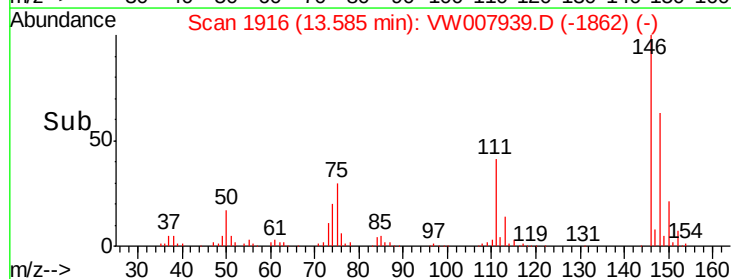
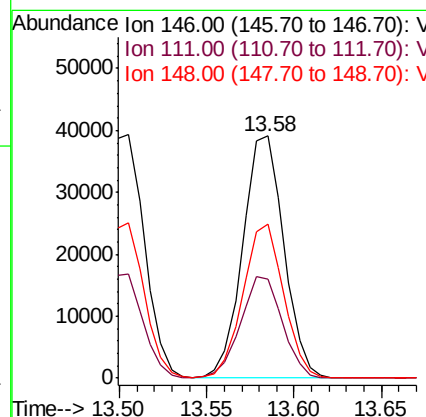
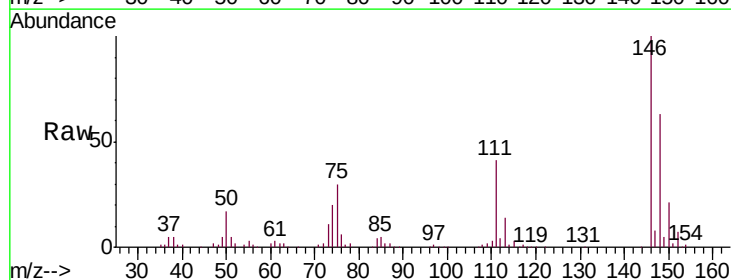
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

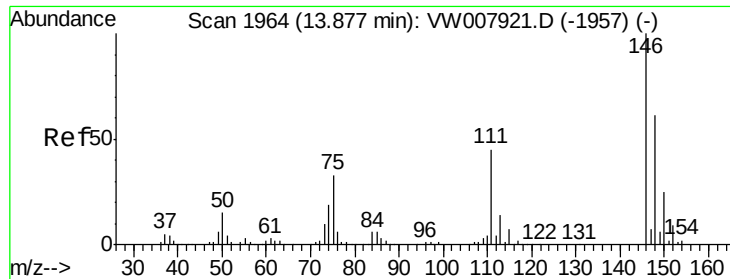
Tgt Ion:146 Resp: 64336
 Ion Ratio Lower Upper
 146 100
 111 42.5 31.0 57.6
 148 64.0 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 22.928 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion:146 Resp: 63934
 Ion Ratio Lower Upper
 146 100
 111 41.0 26.9 49.9
 148 63.5 41.6 77.3

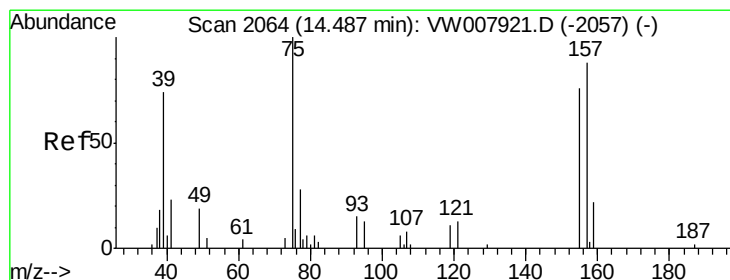
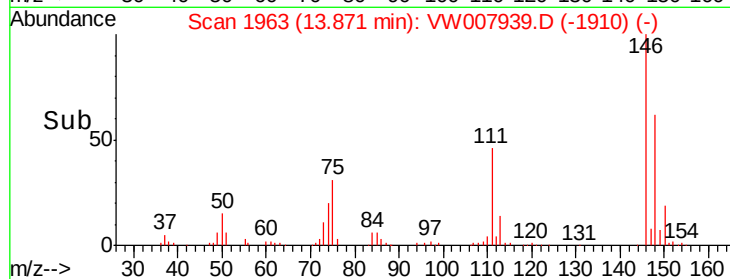
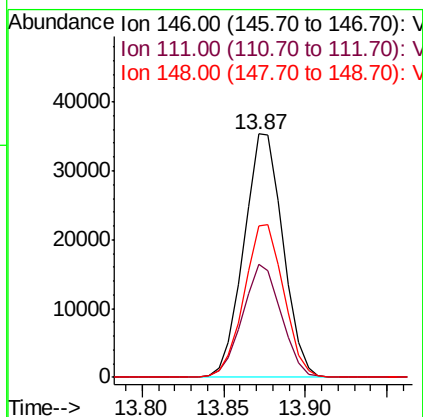
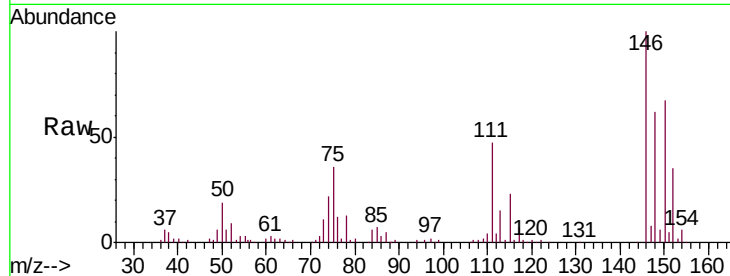




#65
 1,2-Dichlorobenzene
 Concen: 23.272 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

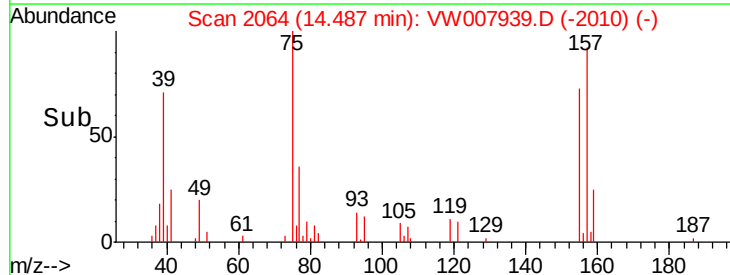
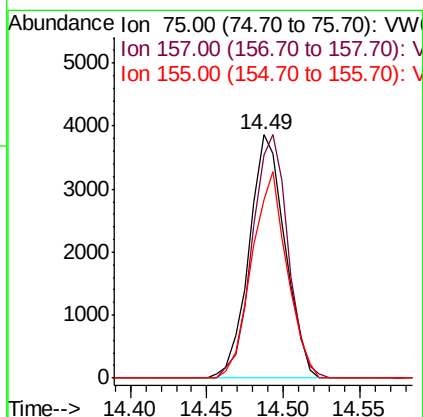
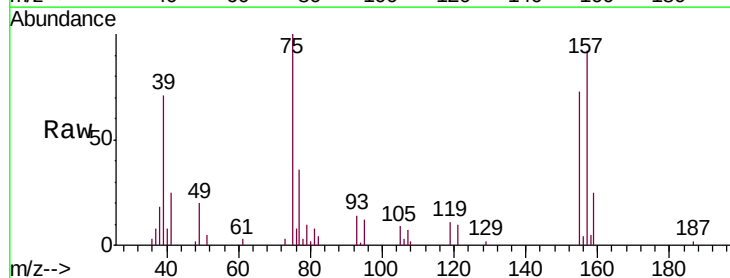
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

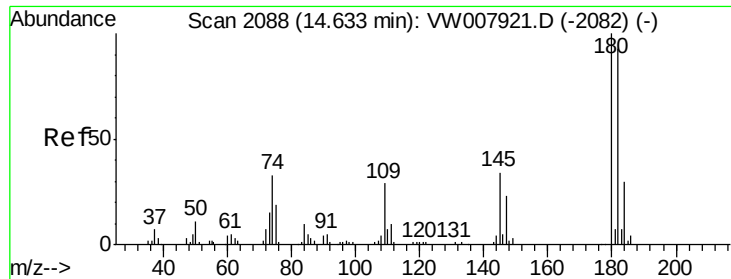
Tgt Ion:146 Resp: 59239
 Ion Ratio Lower Upper
 146 100
 111 46.6 36.4 54.6
 148 62.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.171 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion: 75 Resp: 6317
 Ion Ratio Lower Upper
 75 100
 157 91.6 85.6 128.4
 155 73.4 63.4 95.0

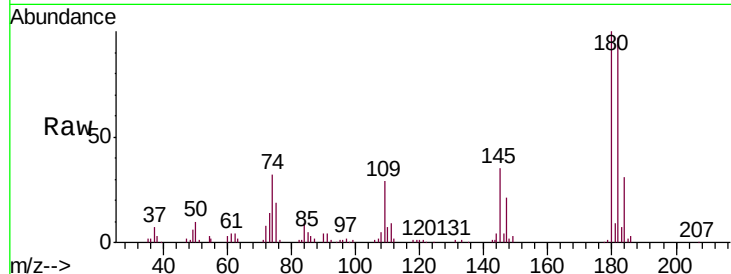




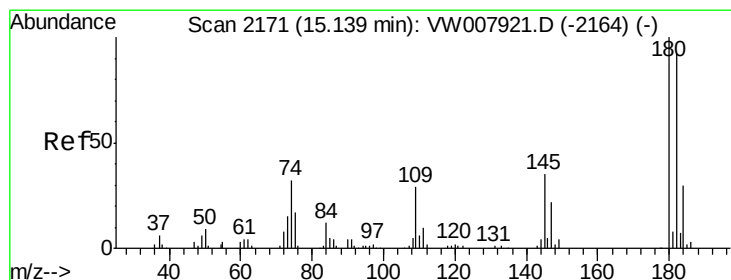
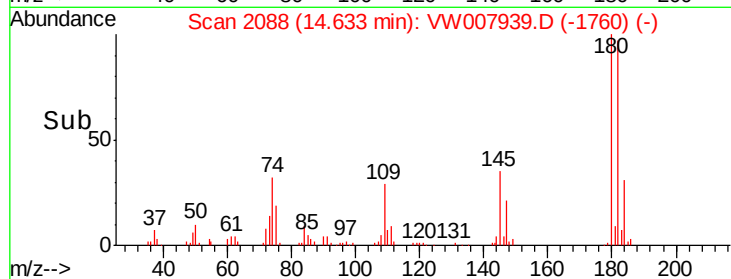
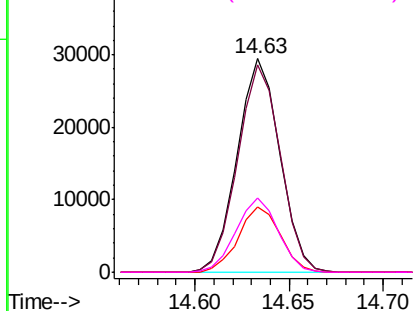
#67
 1,3,5-Trichlorobenzene
 Concen: 22.511 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Tgt Ion:180 Resp: 46232
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.0 112.4
 184 30.1 23.5 35.3
 145 34.5 26.6 39.8

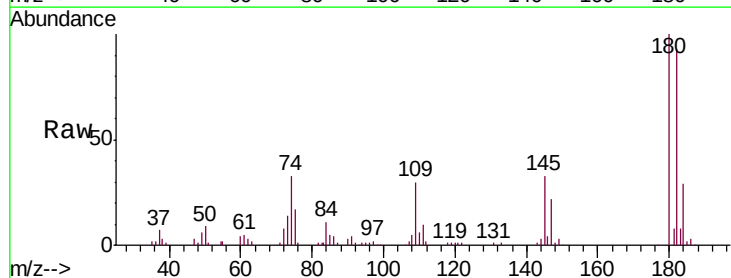


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

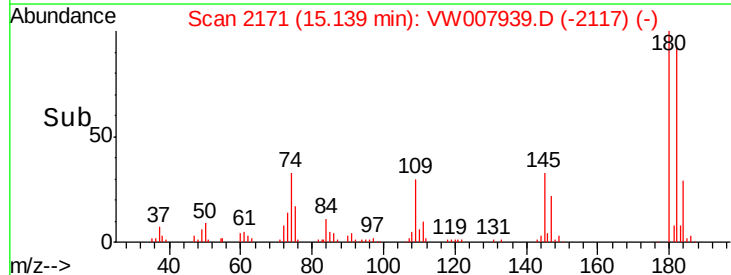
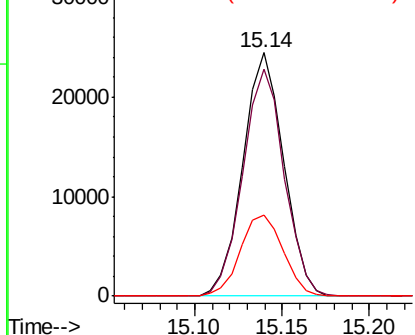


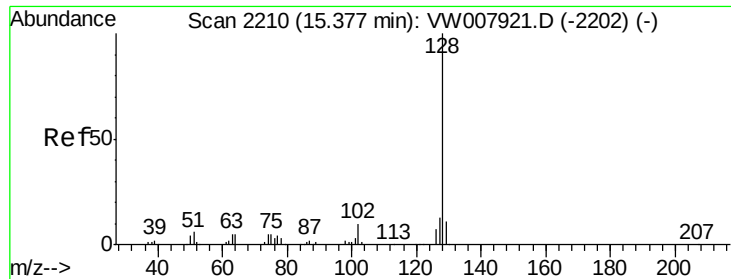
#68
 1,2,4-trichlorobenzene
 Concen: 22.569 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007939.D
 Acq: 26 Dec 2018 22:43

Tgt Ion:180 Resp: 39788
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.0 115.6
 145 34.7 27.9 41.9



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: 24.939 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD02590

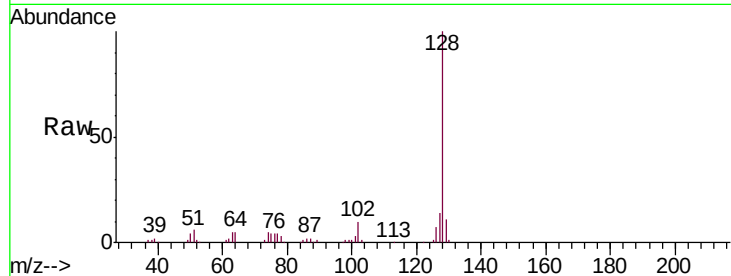
Tgt Ion:128 Resp: 99522

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

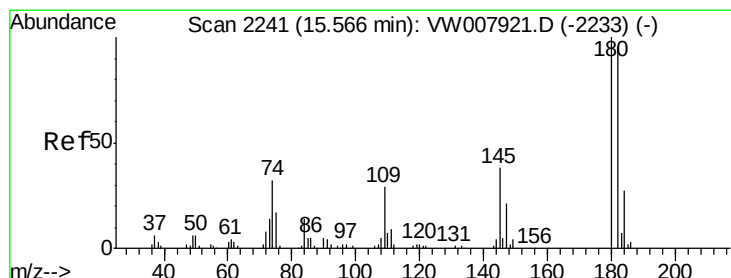
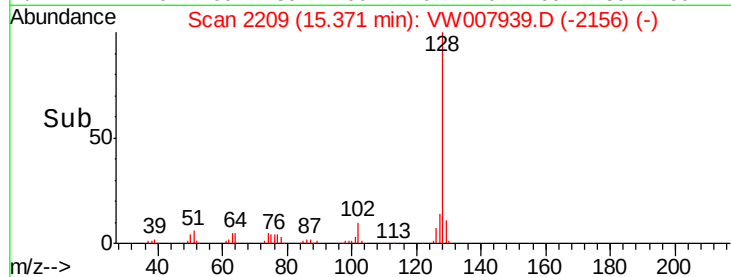
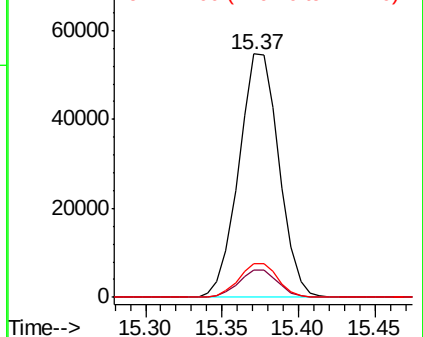
127 13.6 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.787 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW007939.D

Acq: 26 Dec 2018 22:43

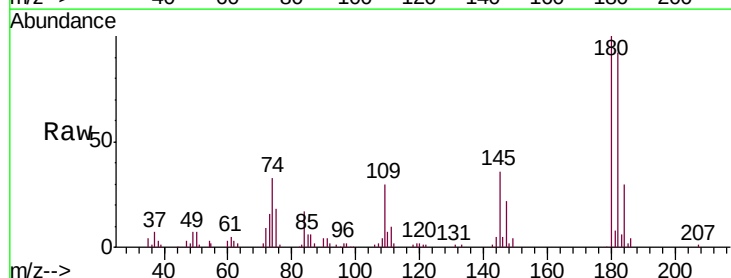
Tgt Ion:180 Resp: 37123

Ion Ratio Lower Upper

180 100

182 91.7 75.8 113.6

145 36.2 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

