

Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Quant Time: Dec 27 00:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	94617	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	85132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	43089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25716	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.32%
7) Chloroethane-d5	2.89	69	17379	27.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.64%
10) 1,1-Dichloroethene-d2	4.01	63	63982	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.40%
20) 2-Butanone-d5	7.07	46	20623	51.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.72%
24) Chloroform-d	7.65	84	63543	25.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	8.31	65	38736	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.68%
29) Benzene-d6	8.27	84	123294	25.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.28%
33) 1,2-Dichloropropane-d6	9.27	67	33439	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.00%
37) Toluene-d8	10.32	98	119480	25.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.76%
38) trans-1,3-Dichloropropene-	10.58	79	18950	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
39) 2-Hexanone-d5	10.93	63	16950	51.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31688	25.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	42050	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	18863	18.089 ug/L	94
3) Chloromethane	2.21	50	17941	21.831 ug/L	99
5) Vinyl chloride	2.37	62	24402	23.870 ug/L	98
6) Bromomethane	2.78	94	14612	24.092 ug/L	97
8) Chloroethane	2.93	64	12239	24.096 ug/L	98
9) Trichlorofluoromethane	3.26	101	20185	22.865 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27404	22.943 ug/L	94
12) 1,1-Dichloroethene	4.03	96	26582	24.304 ug/L	94
13) Acetone	4.12	43	19839	51.062 ug/L	99
14) Carbon disulfide	4.37	76	83451	24.089 ug/L	99
15) Methyl Acetate	4.67	43	13650	23.088 ug/L	98
16) Methylene chloride	4.92	84	29938	19.554 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	44812	23.051 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	27362	23.063 ug/L	94
19) 1,1-Dichloroethane	6.21	63	46339	23.477 ug/L	97
21) 2-Butanone	7.17	43	21348	48.289 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	29765	23.413 ug/L	91

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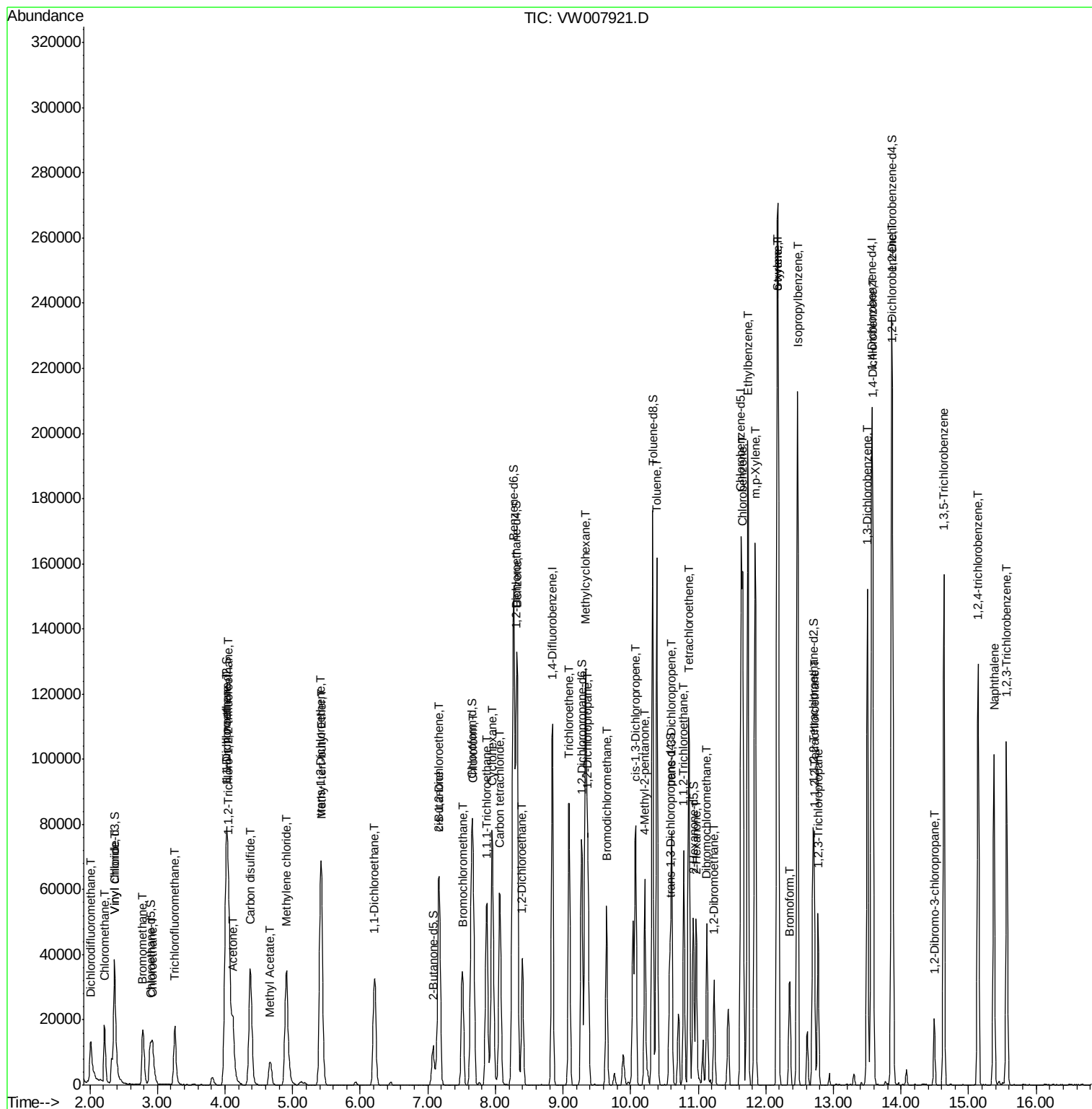
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	13469	23.531	ug/L	98
25) Chloroform	7.67	83	51373	23.110	ug/L	99
27) 1,2-Dichloroethane	8.40	62	38437	23.575	ug/L	100
30) Cyclohexane	7.95	56	44322	23.665	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	47733	23.386	ug/L	98
32) Carbon tetrachloride	8.06	117	46286	23.620	ug/L	99
34) Benzene	8.32	78	106484	23.375	ug/L	100
35) Trichloroethene	9.09	95	30518	23.058	ug/L	98
36) Methylcyclohexane	9.34	83	53044	23.371	ug/L	99
40) 1,2-Dichloropropane	9.37	63	24870	23.224	ug/L	99
41) Bromodichloromethane	9.64	83	37570	23.856	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	44944	24.044	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	38859	45.849	ug/L	99
44) Toluene	10.38	91	119458	23.438	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	40600	23.572	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	21561	23.799	ug/L	96
47) Tetrachloroethene	10.86	164	24081	22.900	ug/L	93
49) 2-Hexanone	10.97	43	30017	49.089	ug/L	95
50) Dibromochloromethane	11.13	129	26705	23.137	ug/L	99
51) 1,2-Dibromoethane	11.24	107	22285	24.101	ug/L	96
52) Chlorobenzene	11.66	112	77443	23.341	ug/L	98
53) Ethylbenzene	11.73	91	138391	23.633	ug/L	98
54) m,p-Xylene	11.84	106	52252	23.684	ug/L	98
55) o-xylene	12.17	106	48916	23.378	ug/L	99
56) Styrene	12.18	104	85129	24.004	ug/L	98
57) Isopropylbenzene	12.47	105	141131	23.811	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	26364	23.470	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21221	23.487	ug/L	98
62) Bromoform	12.35	173	15332	22.571	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	62297	22.615	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	62319	22.749	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	57185	22.867	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	5452	22.113	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	45733	22.667	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	38529	22.246	ug/L	100
69) Naphthalene	15.38	128	89980	22.952	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	34483	22.491	ug/L	100

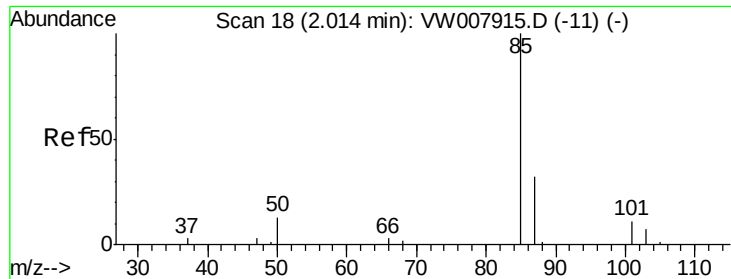
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.089 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

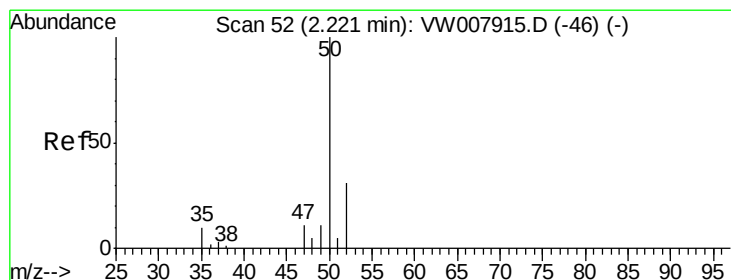
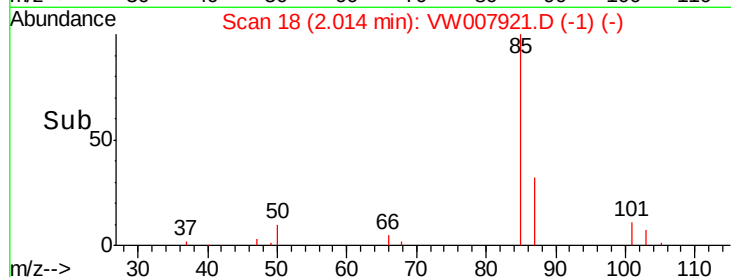
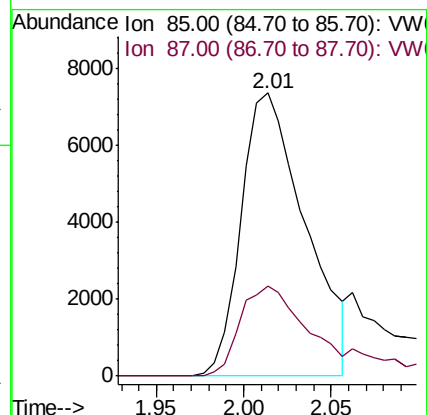
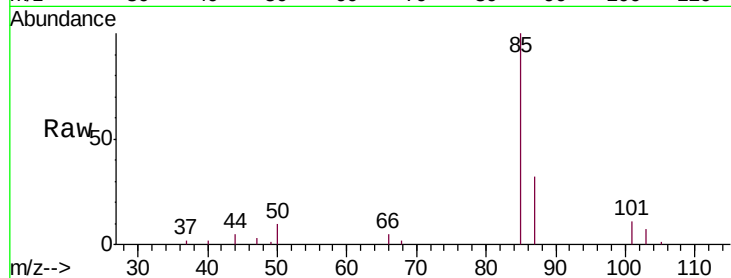
VSTD02589

Tgt Ion: 85 Resp: 18863

Ion Ratio Lower Upper

85 100

87 32.7 20.6 38.4



#3

Chloromethane

Concen: 21.831 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007921.D

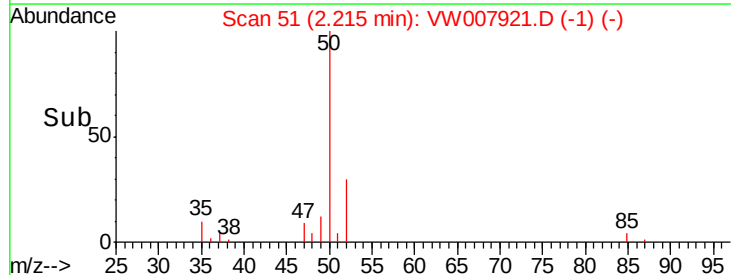
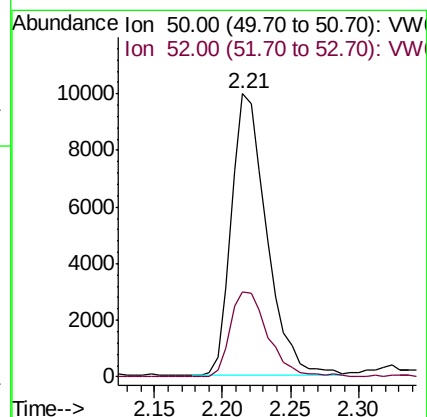
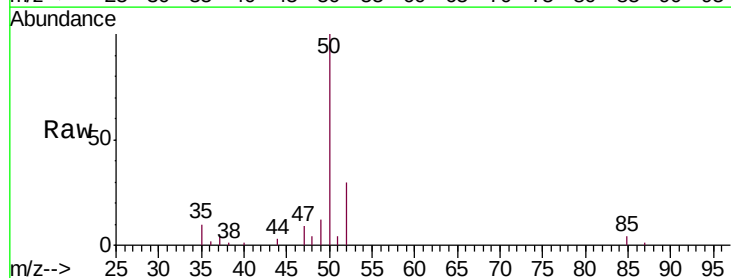
Acq: 26 Dec 2018 14:16

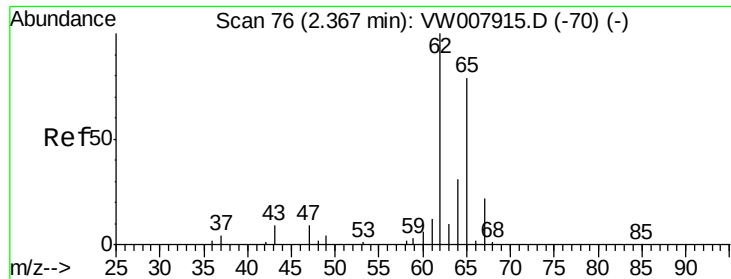
Tgt Ion: 50 Resp: 17941

Ion Ratio Lower Upper

50 100

52 29.9 21.4 39.8





#5

Vinyl chloride

Concen: 23.870 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

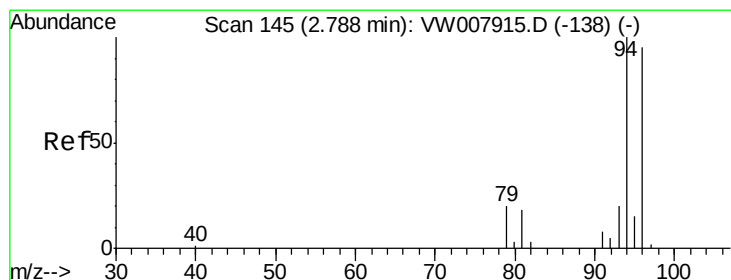
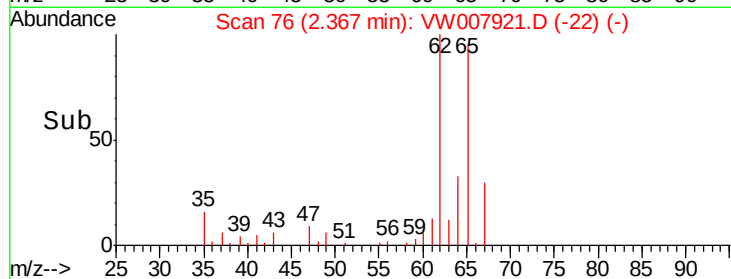
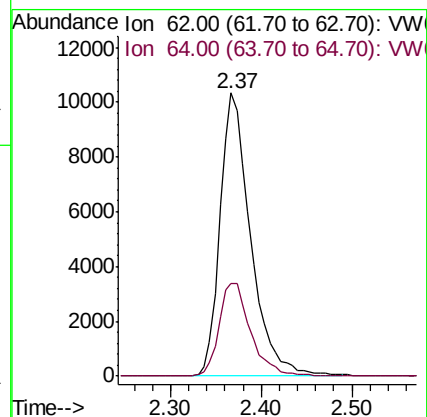
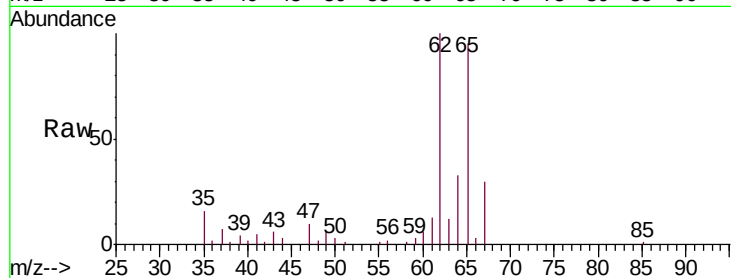
VSTD02589

Tgt Ion: 62 Resp: 24402

Ion Ratio Lower Upper

62 100

64 32.8 22.0 41.0



#6

Bromomethane

Concen: 24.092 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007921.D

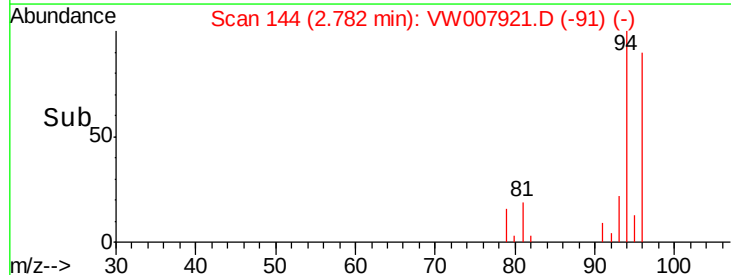
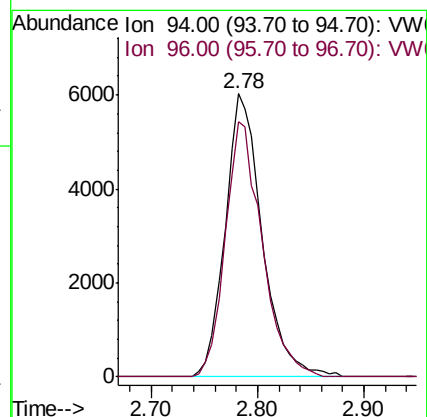
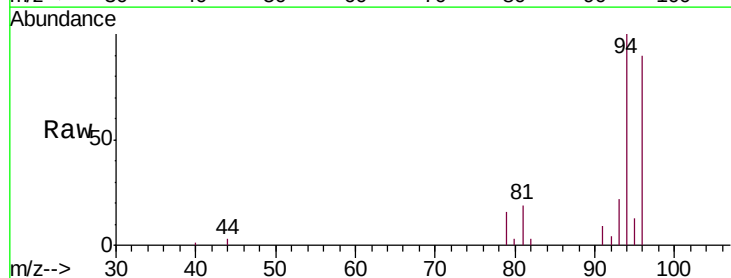
Acq: 26 Dec 2018 14:16

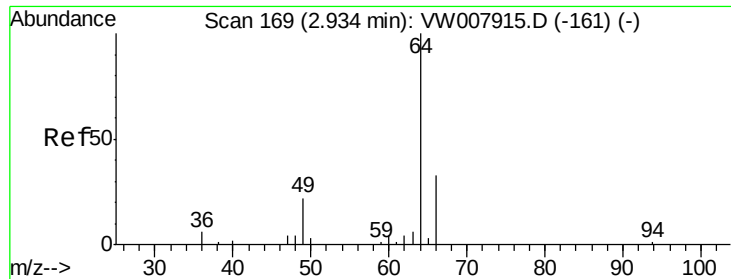
Tgt Ion: 94 Resp: 14612

Ion Ratio Lower Upper

94 100

96 89.7 9.2 175.4





#8

Chloroethane

Concen: 24.096 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

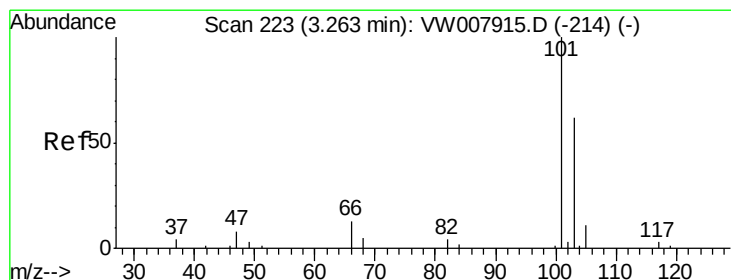
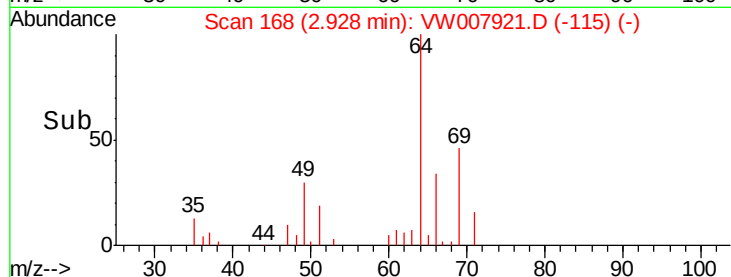
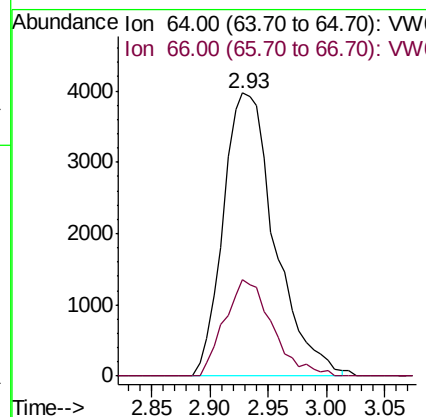
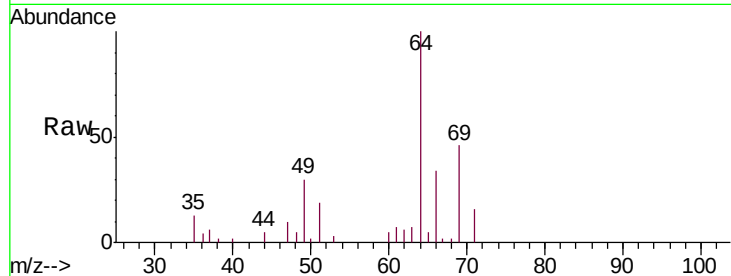
VSTD02589

Tgt Ion: 64 Resp: 12239

Ion Ratio Lower Upper

64 100

66 34.2 23.3 43.3



#9

Trichlorofluoromethane

Concen: 22.865 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007921.D

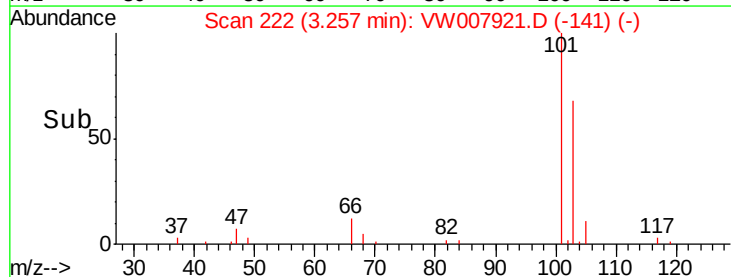
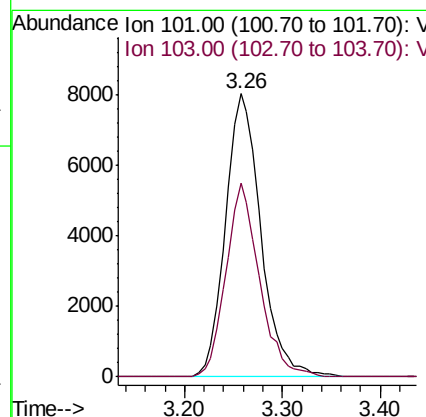
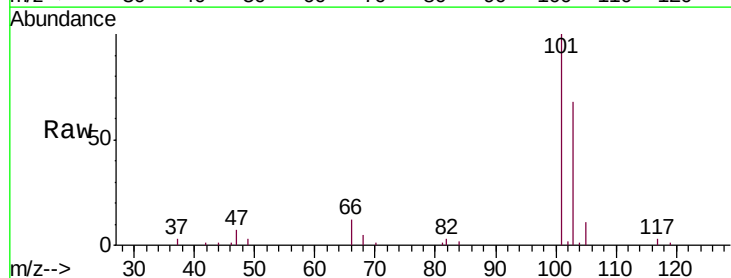
Acq: 26 Dec 2018 14:16

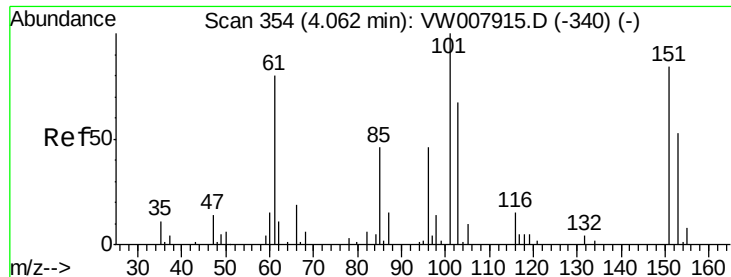
Tgt Ion: 101 Resp: 20185

Ion Ratio Lower Upper

101 100

103 64.7 44.7 83.1





#11

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

Concen: 22.943 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

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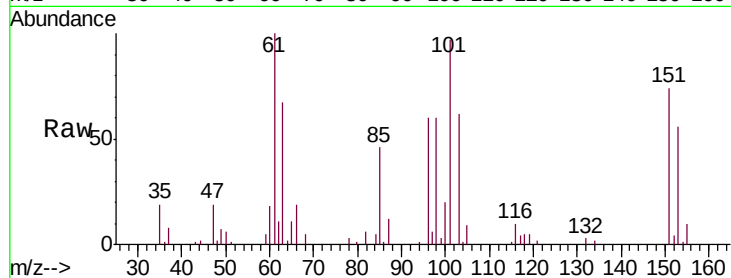
Tgt Ion: 101 Resp: 27404

Ion Ratio Lower Upper

101 100

85 43.7 33.4 50.2

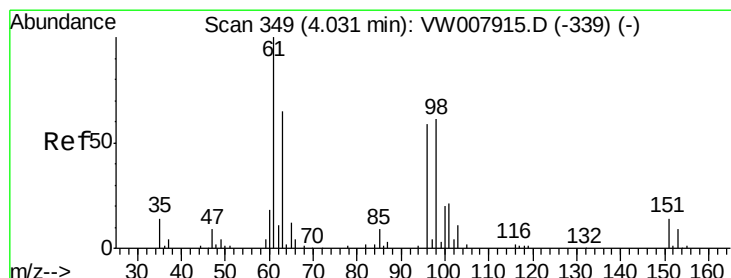
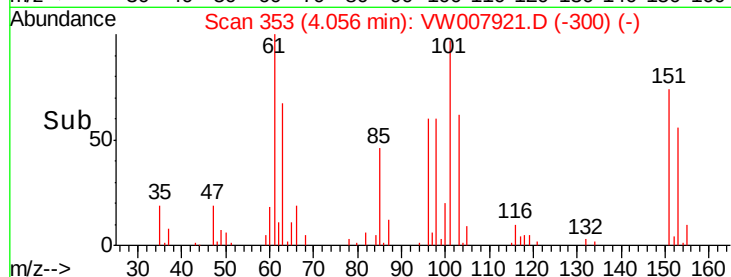
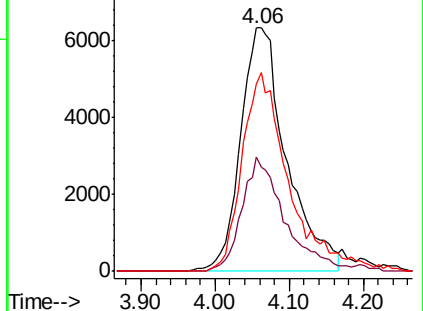
151 73.0 63.2 94.8



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: 24.304 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

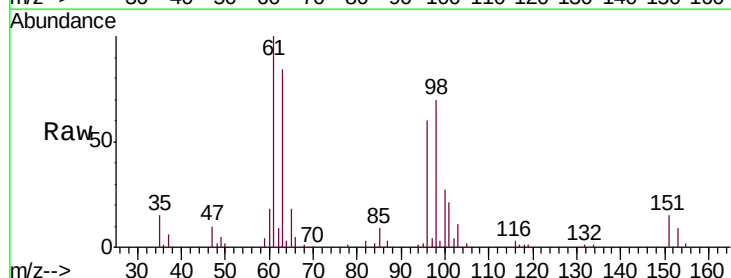
Tgt Ion: 96 Resp: 26582

Ion Ratio Lower Upper

96 100

61 166.8 120.3 223.3

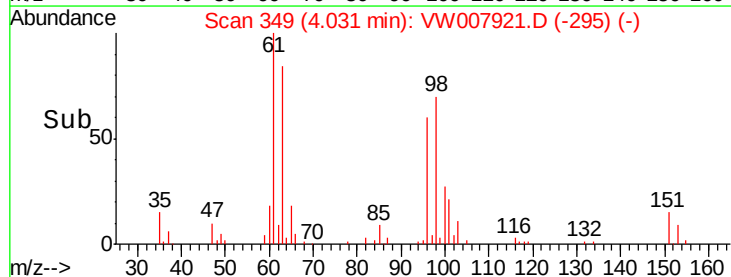
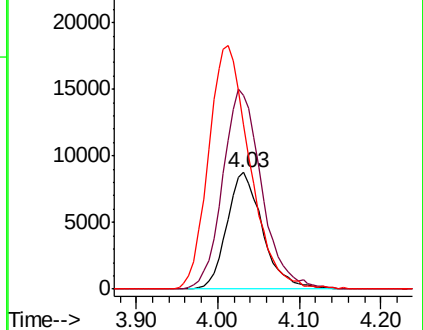
63 140.7 91.6 170.0

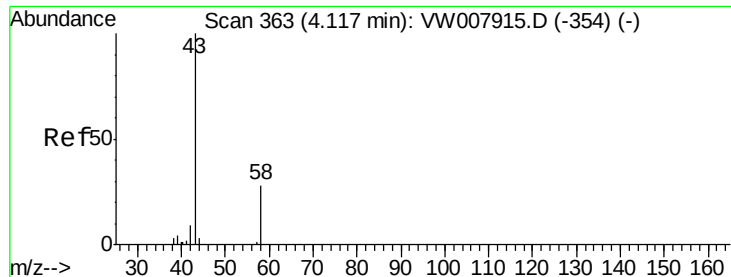


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.062 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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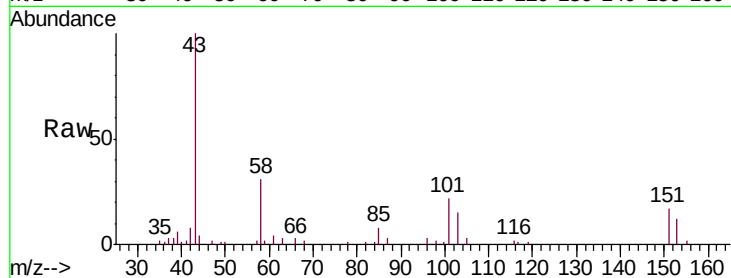
VSTD02589

Tgt Ion: 43 Resp: 19839

Ion Ratio Lower Upper

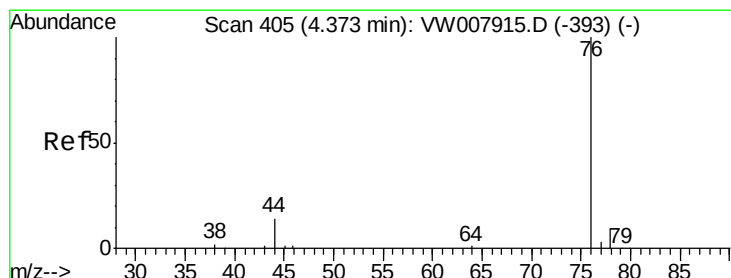
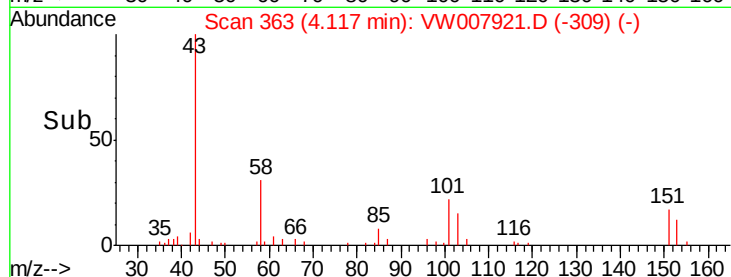
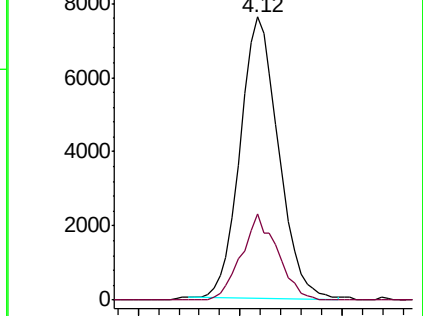
43 100

58 28.8 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.089 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007921.D

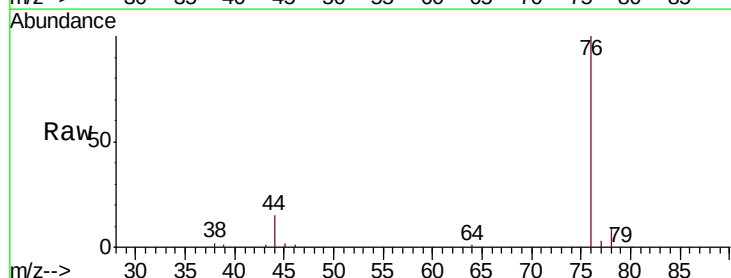
Acq: 26 Dec 2018 14:16

Tgt Ion: 76 Resp: 83451

Ion Ratio Lower Upper

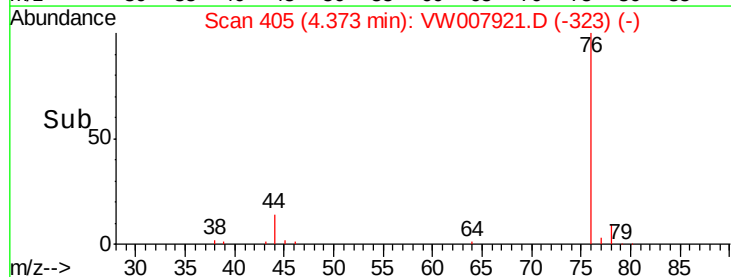
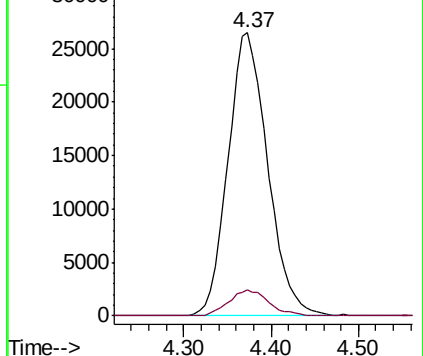
76 100

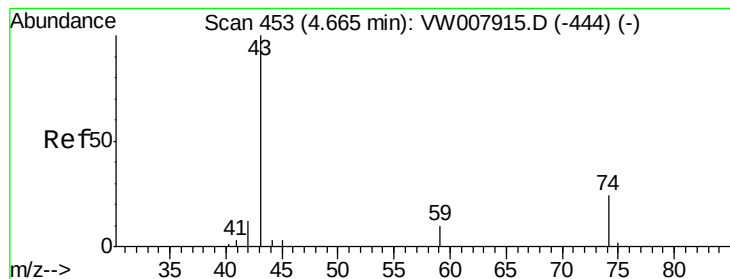
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 23.088 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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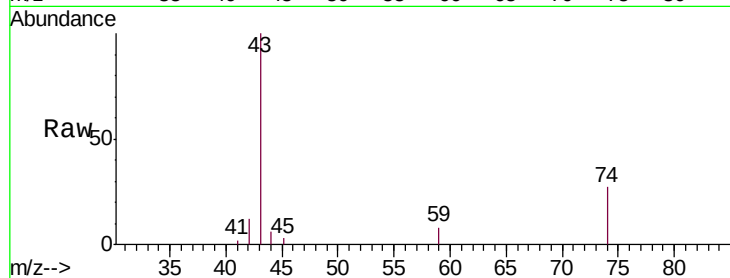
VSTD02589

Tgt Ion: 43 Resp: 13650

Ion Ratio Lower Upper

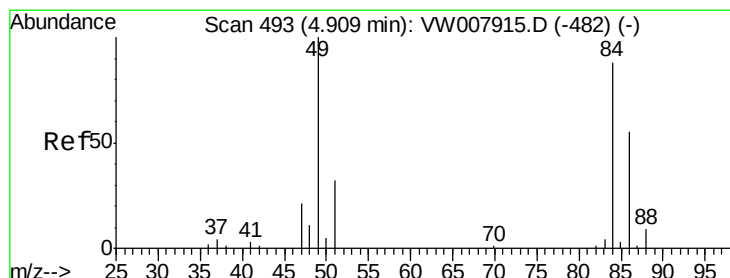
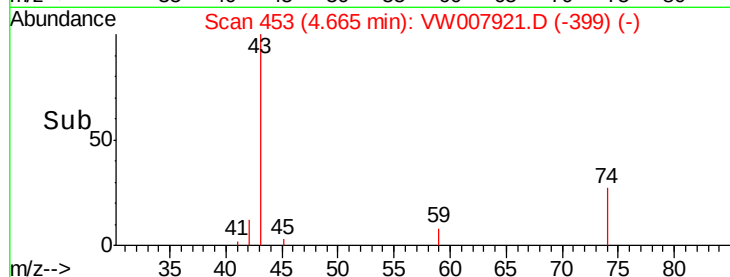
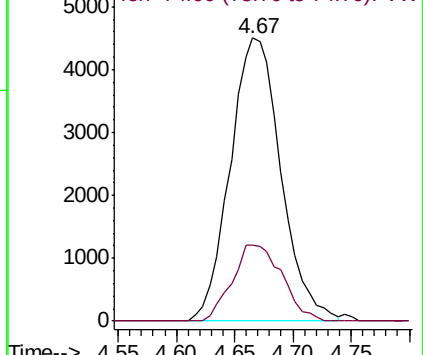
43 100

74 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 19.554 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

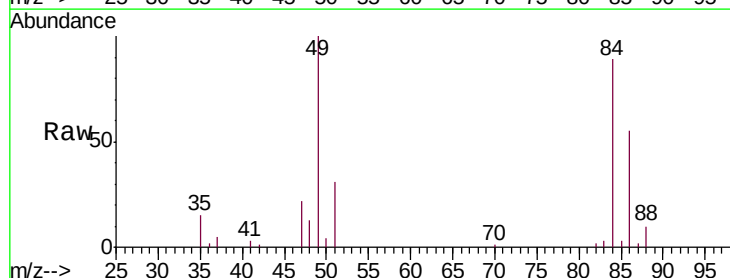
Tgt Ion: 84 Resp: 29938

Ion Ratio Lower Upper

84 100

49 111.9 79.2 147.0

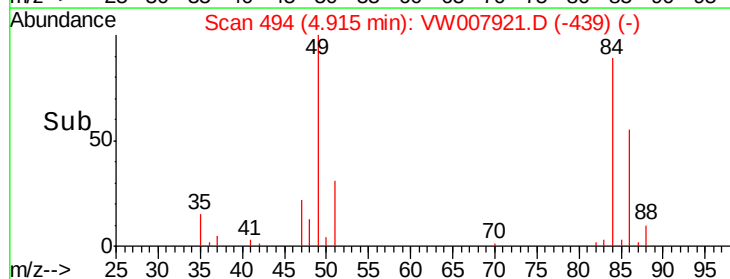
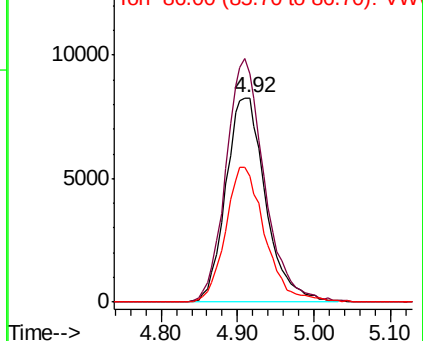
86 61.5 43.2 80.2

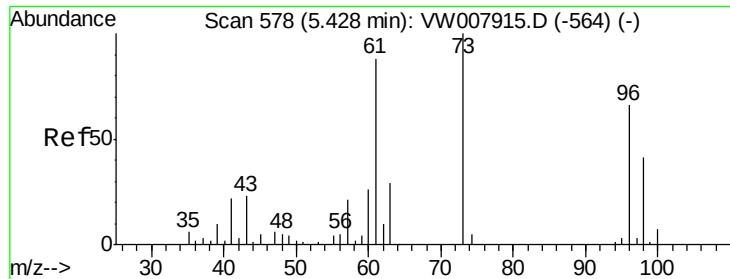


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

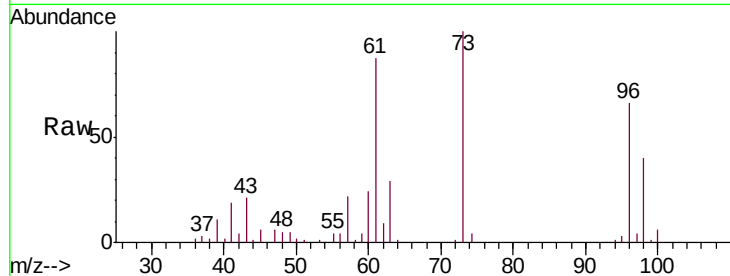




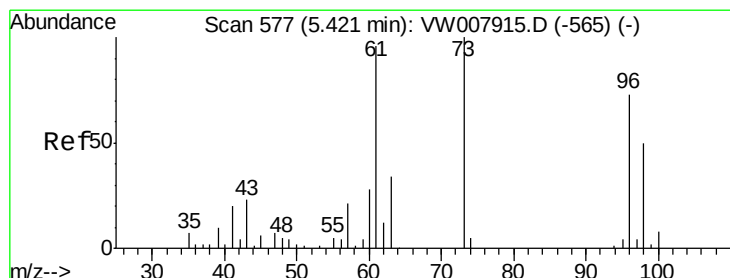
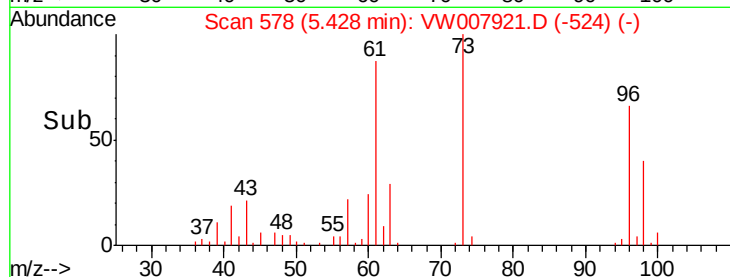
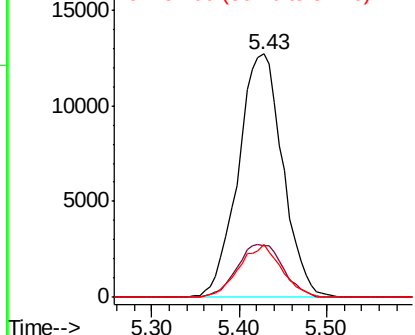
#17
Methyl tert-butyl Ether
Concen: 23.051 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion: 73 Resp: 44812
Ion Ratio Lower Upper
73 100
43 22.7 18.5 27.7
57 20.7 16.4 24.6

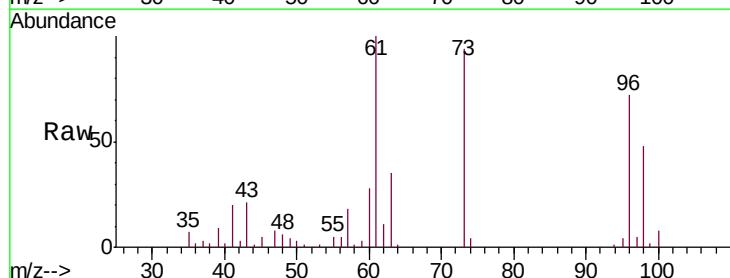


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

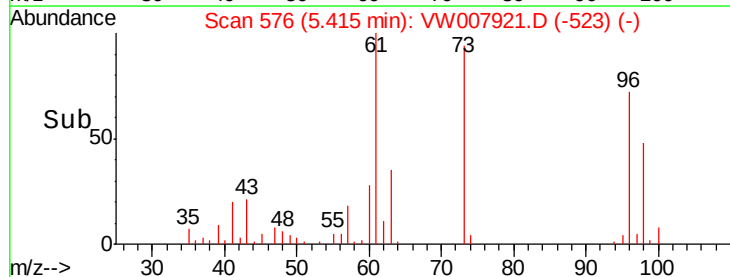
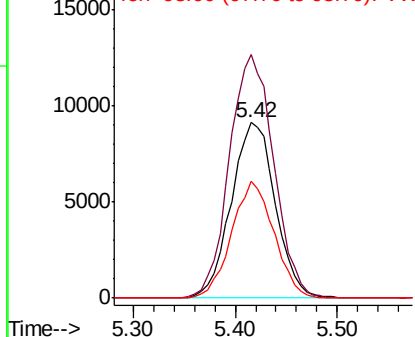


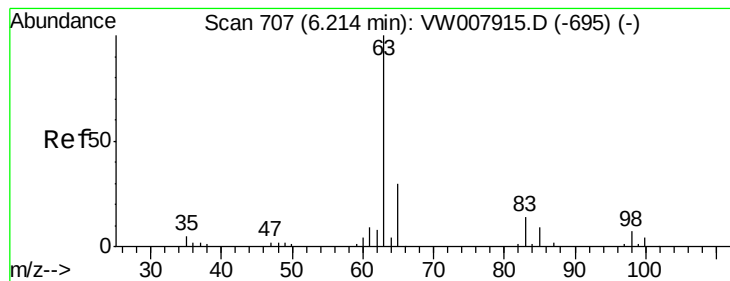
#18
trans-1,2-Dichloroethene
Concen: 23.063 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion: 96 Resp: 27362
Ion Ratio Lower Upper
96 100
61 139.0 91.4 169.8
98 66.5 48.0 89.2



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





#19

1,1-Dichloroethane

Concen: 23.477 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

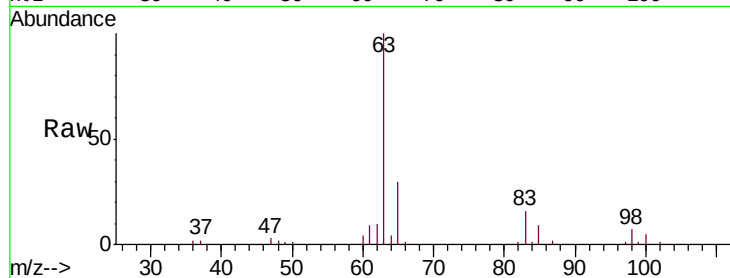
Tgt Ion: 63 Resp: 46339

Ion Ratio Lower Upper

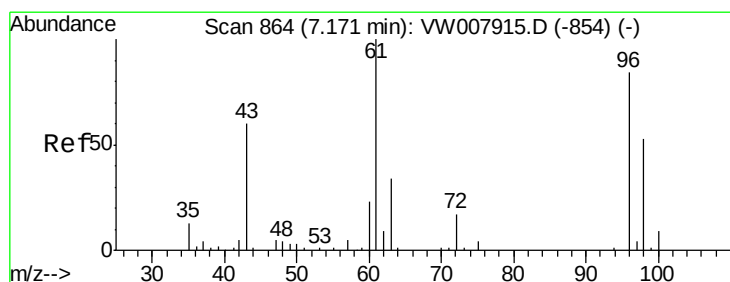
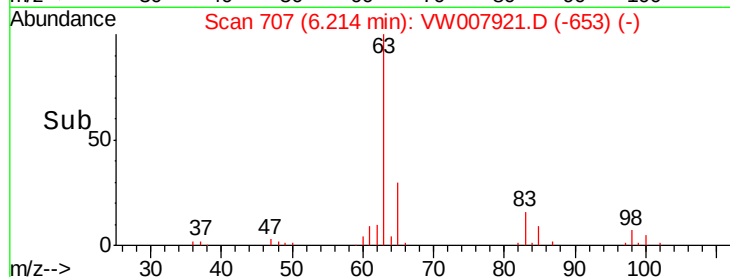
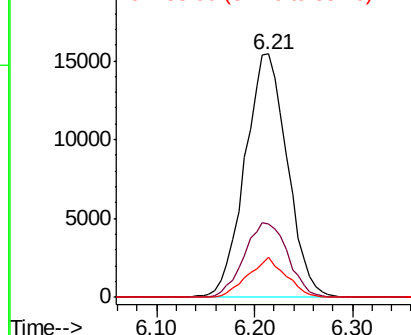
63 100

65 30.3 20.6 38.4

83 16.5 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: 48.289 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007921.D

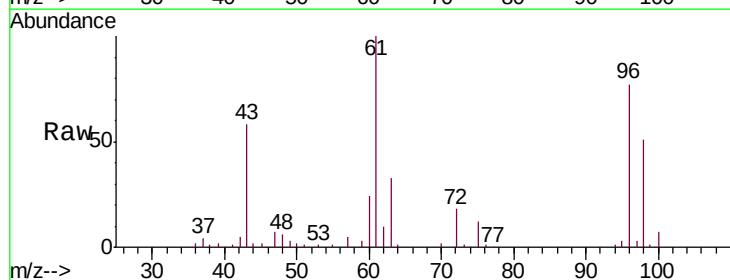
Acq: 26 Dec 2018 14:16

Tgt Ion: 43 Resp: 21348

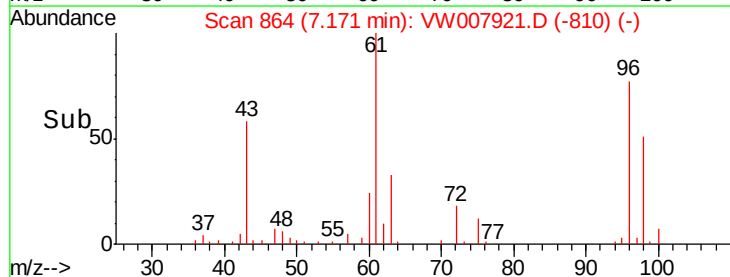
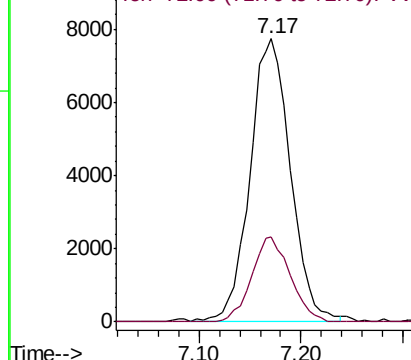
Ion Ratio Lower Upper

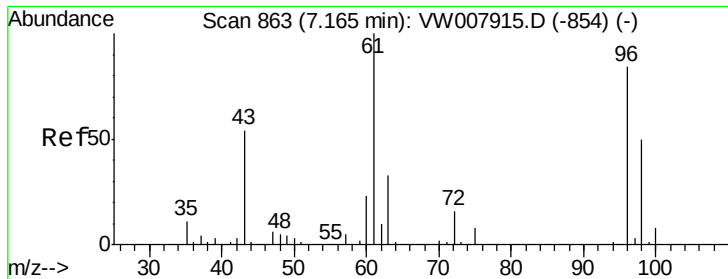
43 100

72 28.5 14.4 43.4



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



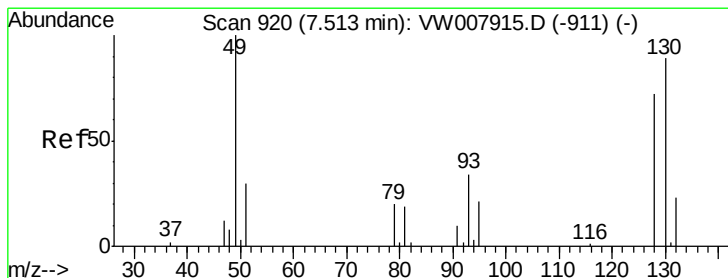
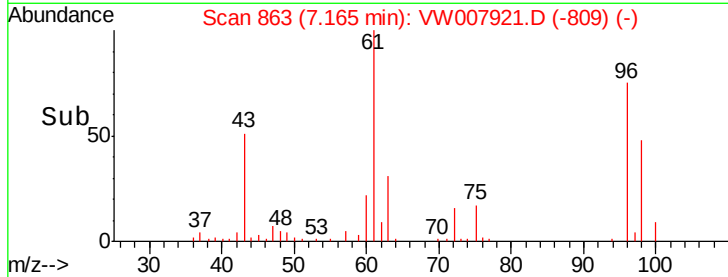
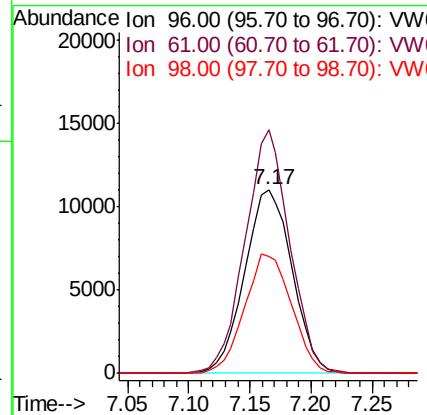
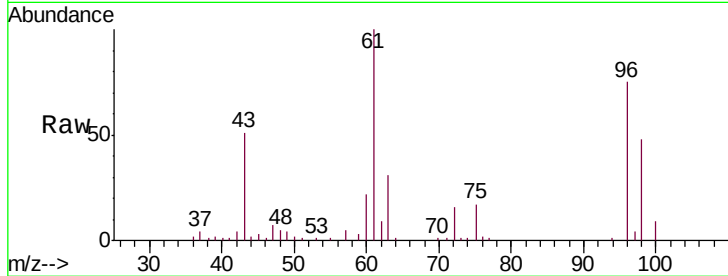


#22

cis-1,2-Dichloroethene
Concen: 23.413 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

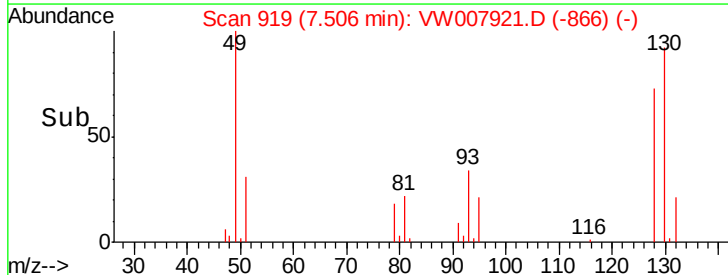
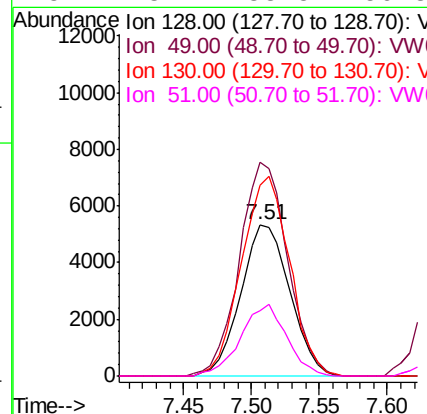
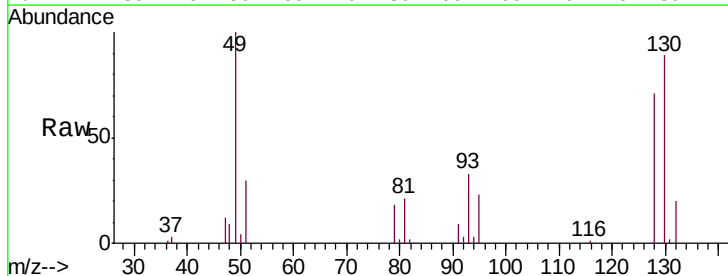
Tgt Ion: 96 Resp: 29765
Ion Ratio Lower Upper
96 100
61 132.6 83.4 155.0
98 63.6 42.3 78.5

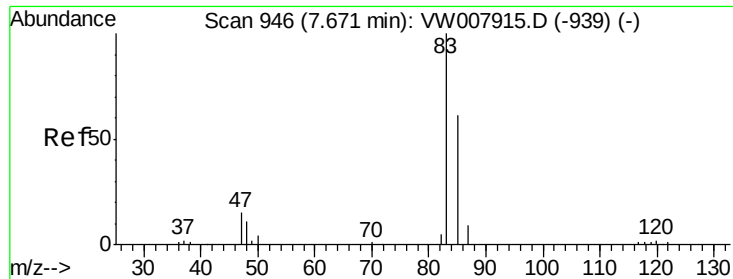


#23

Bromochloromethane
Concen: 23.531 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion: 128 Resp: 13469
Ion Ratio Lower Upper
128 100
49 141.4 96.9 180.1
130 125.9 86.2 160.0
51 43.1 33.5 50.3

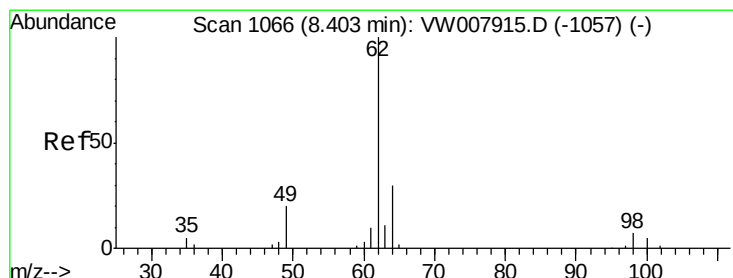
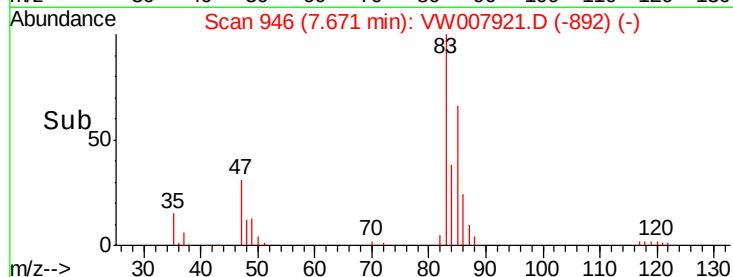
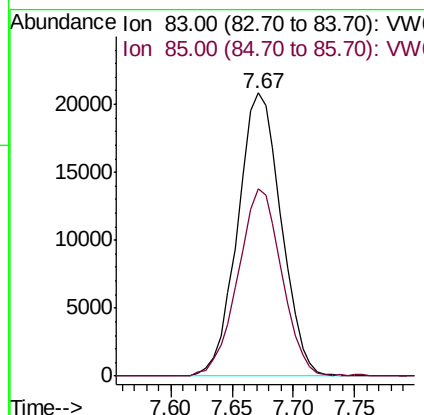
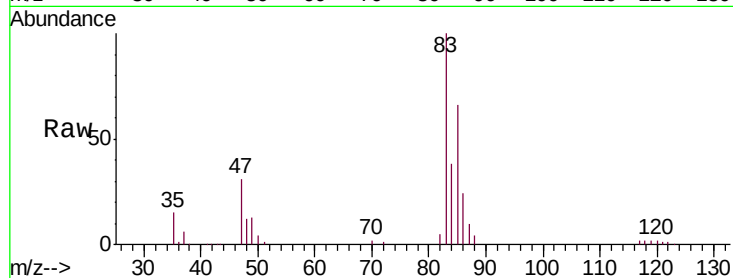




#25
Chloroform
Concen: 23.110 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

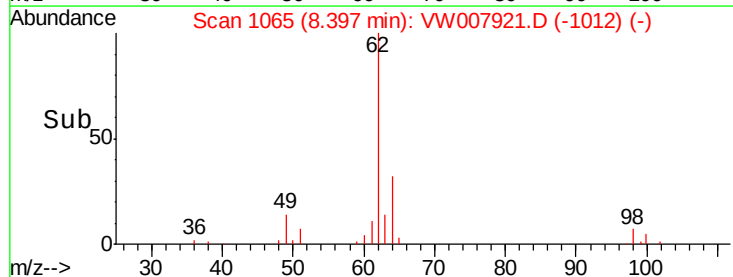
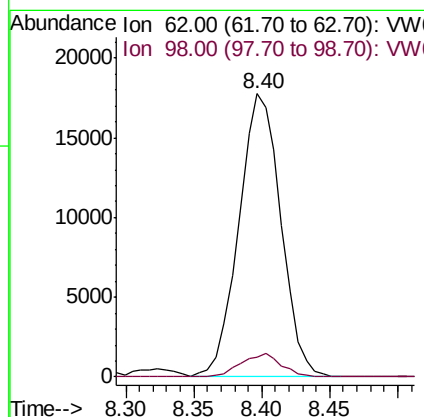
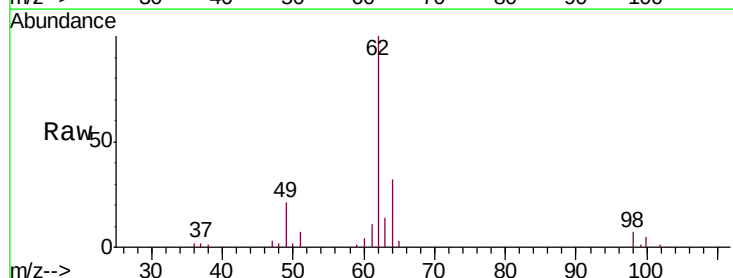
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

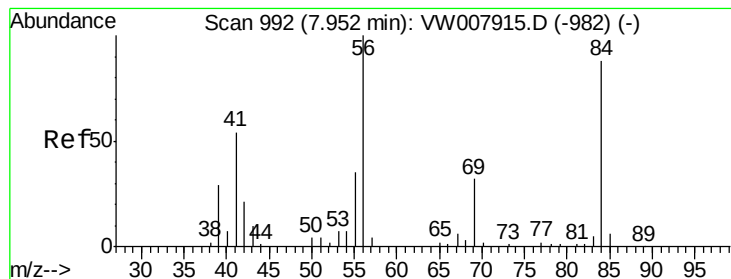
Tgt Ion: 83 Resp: 51373
Ion Ratio Lower Upper
83 100
85 66.7 45.8 85.2



#27
1,2-Dichloroethane
Concen: 23.575 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion: 62 Resp: 38437
Ion Ratio Lower Upper
62 100
98 6.7 5.4 8.2





#30

Cyclohexane

Concen: 23.665 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

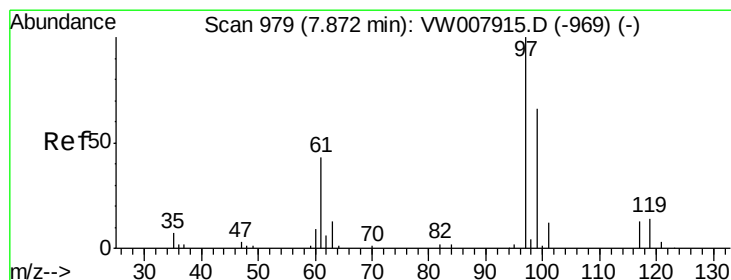
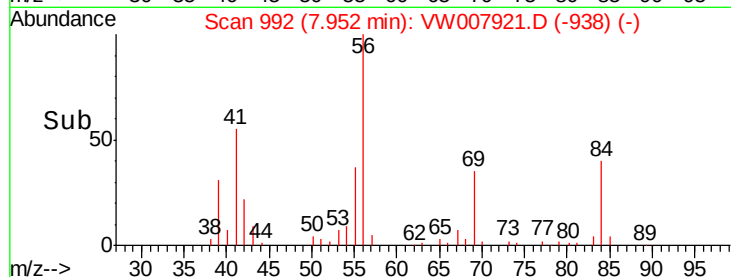
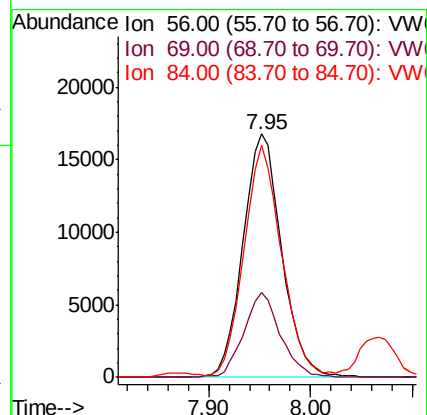
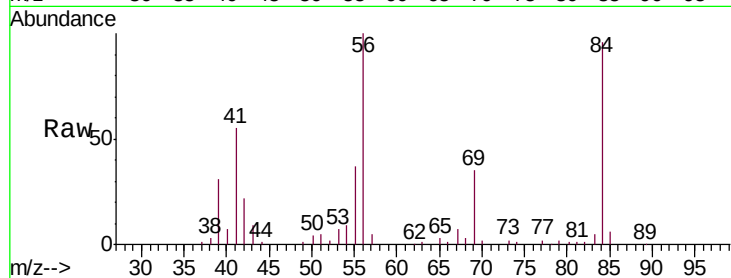
Tgt Ion: 56 Resp: 44322

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

84 93.3 74.3 111.5



#31

1,1,1-Trichloroethane

Concen: 23.386 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

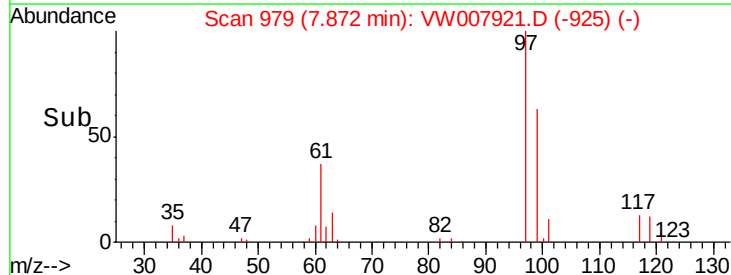
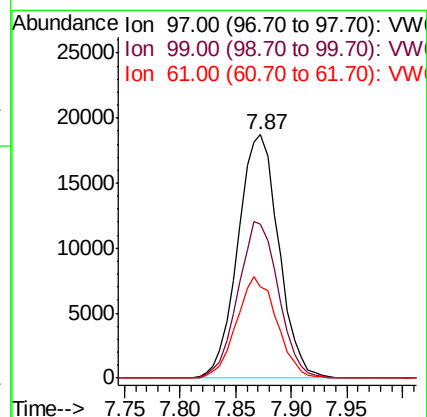
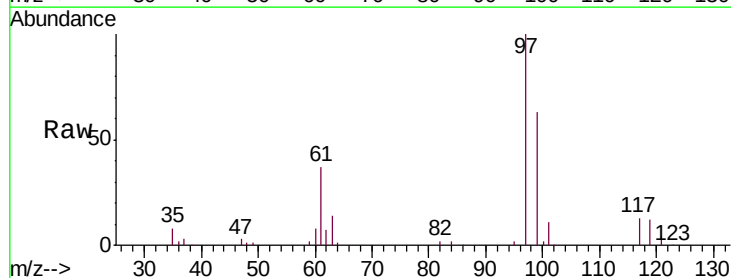
Tgt Ion: 97 Resp: 47733

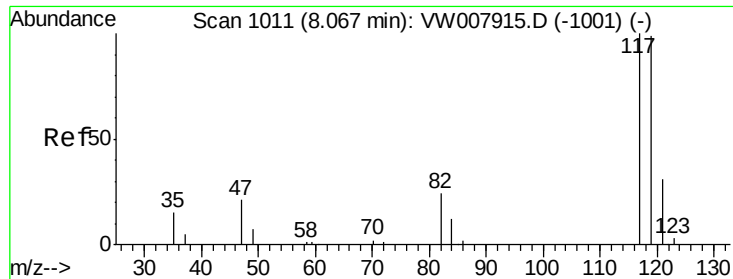
Ion Ratio Lower Upper

97 100

99 63.9 52.3 78.5

61 41.0 33.5 50.3





#32

Carbon tetrachloride

Concen: 23.620 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

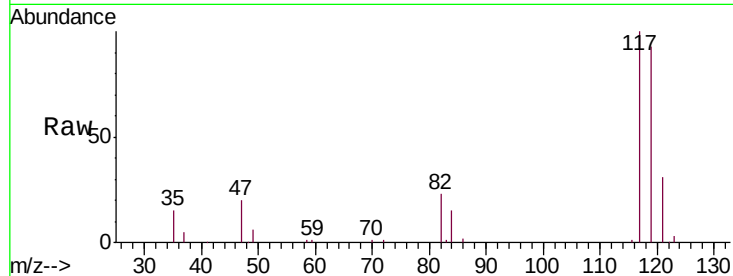
VSTD02589

Tgt Ion:117 Resp: 46286

Ion Ratio Lower Upper

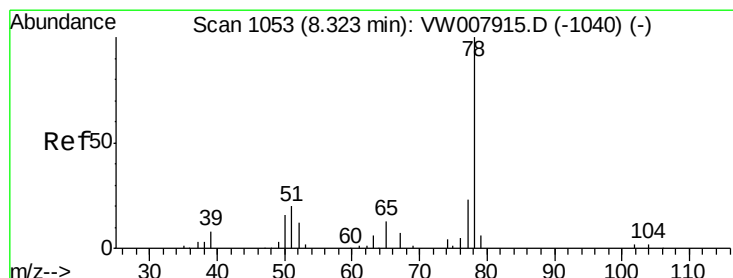
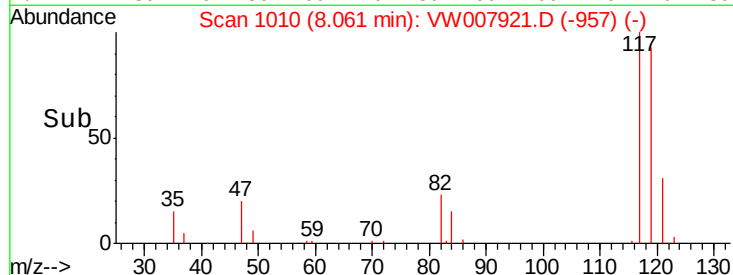
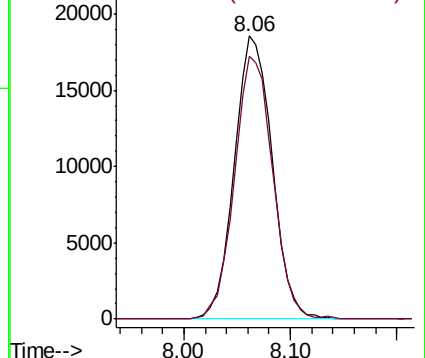
117 100

119 93.7 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: 23.375 ug/L

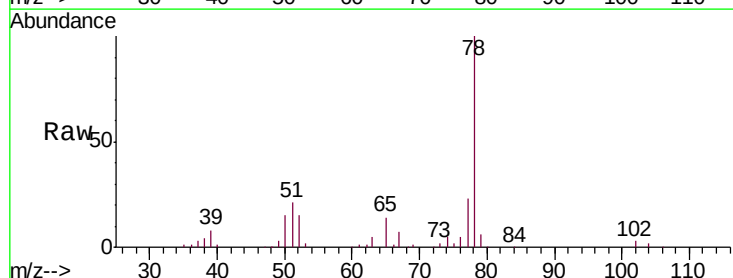
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

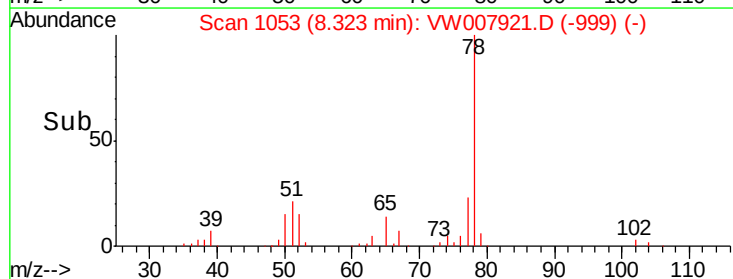
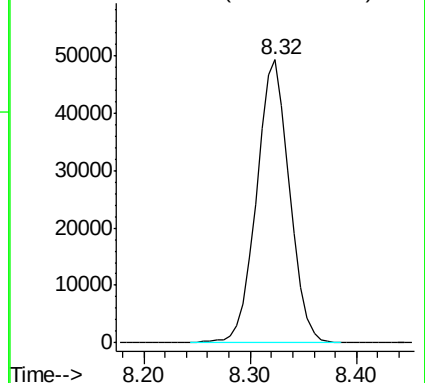
Lab File: VW007921.D

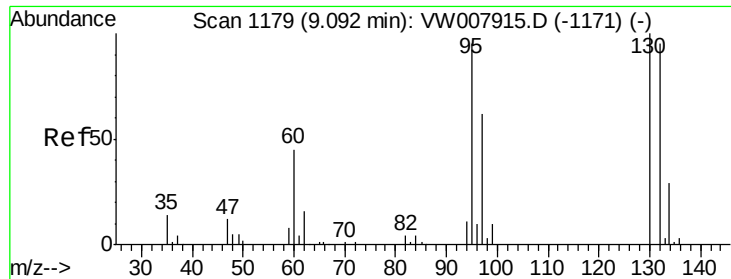
Acq: 26 Dec 2018 14:16

Tgt Ion: 78 Resp: 106484



Abundance Ion 78.00 (77.70 to 78.70): VW

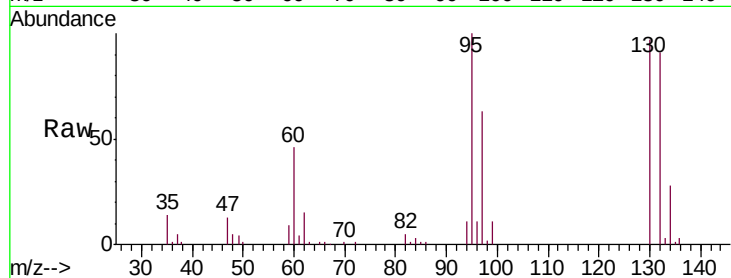




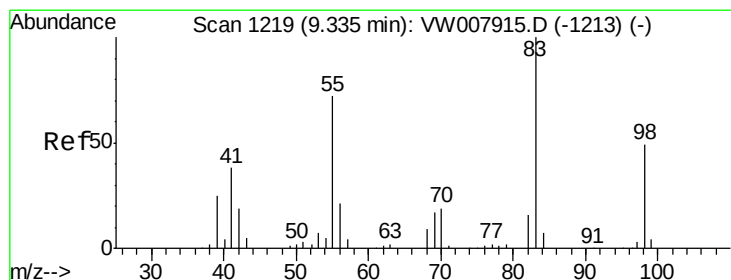
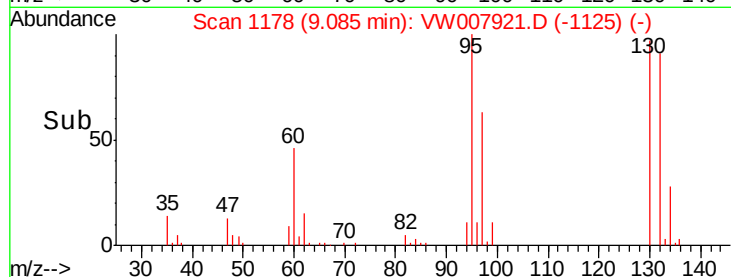
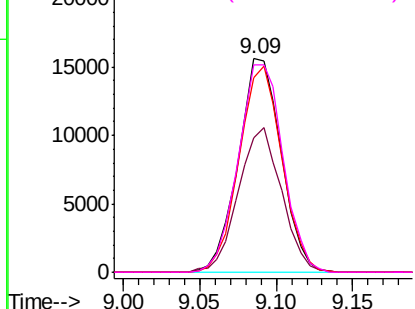
#35
 Trichloroethene
 Concen: 23.058 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion: 95 Resp: 30518
 Ion Ratio Lower Upper
 95 100
 97 67.6 44.4 82.5
 132 95.9 67.8 126.0
 130 101.5 70.3 130.7

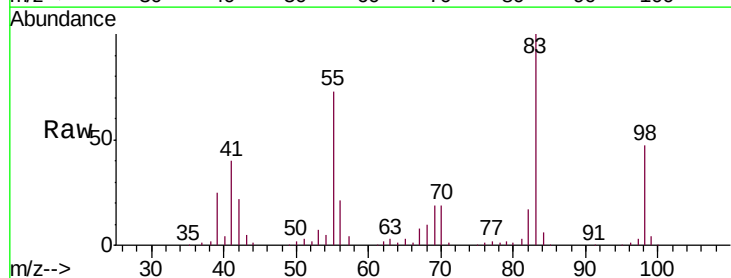


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

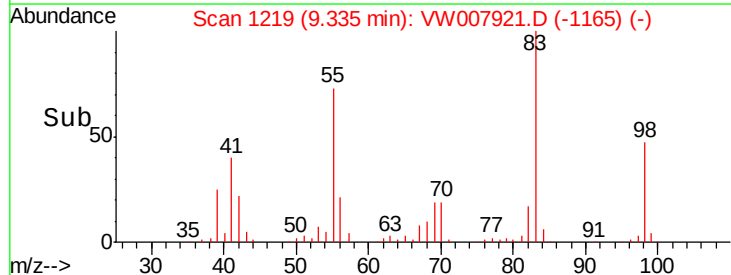
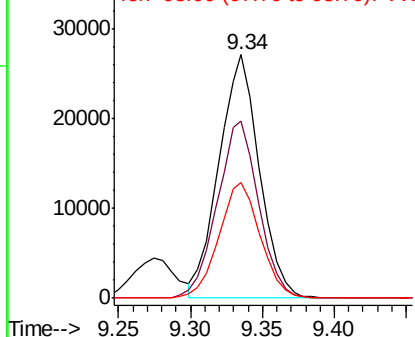


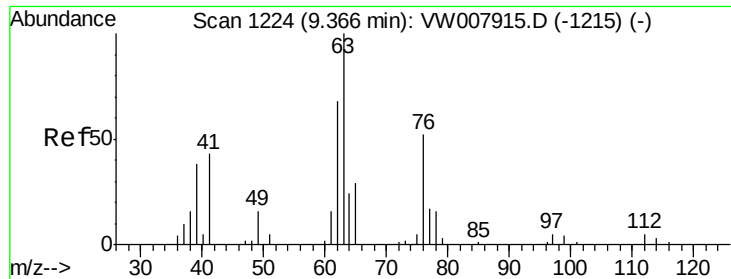
#36
 Methylcyclohexane
 Concen: 23.371 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion: 83 Resp: 53044
 Ion Ratio Lower Upper
 83 100
 55 74.3 59.4 89.0
 98 48.5 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

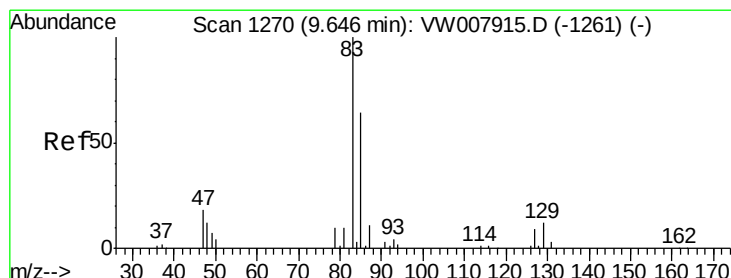
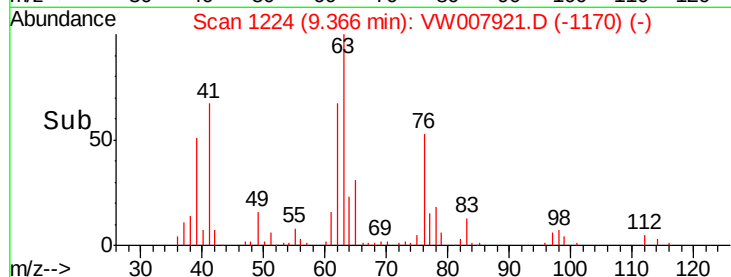
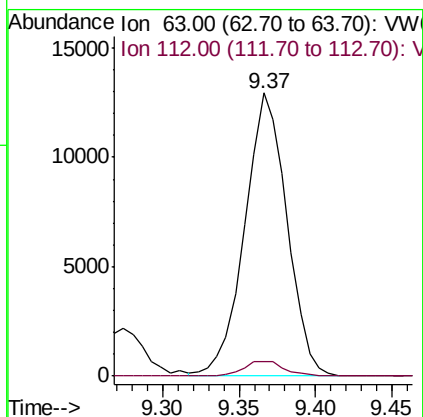
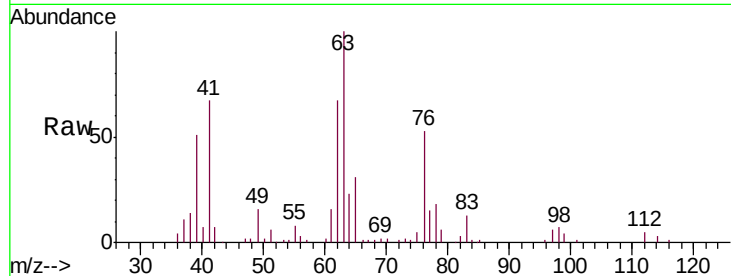




#40
 1,2-Dichloropropane
 Concen: 23.224 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

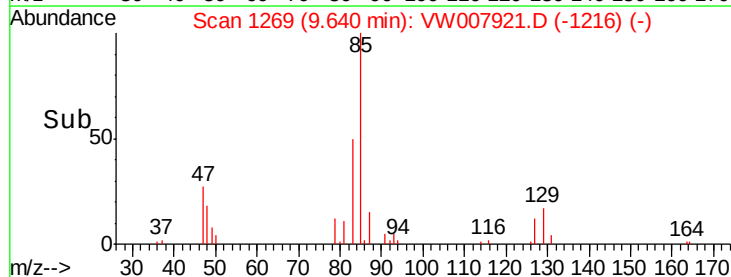
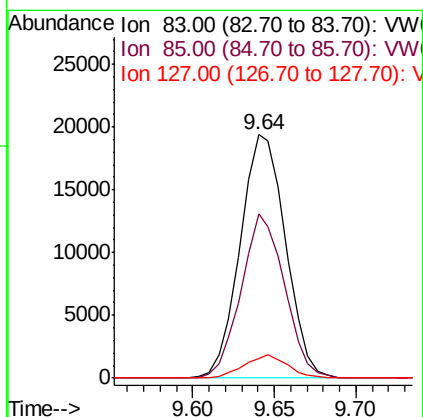
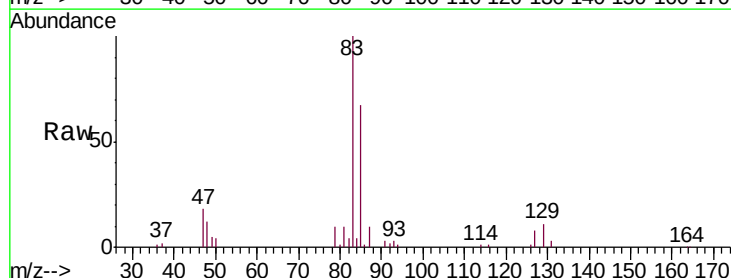
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

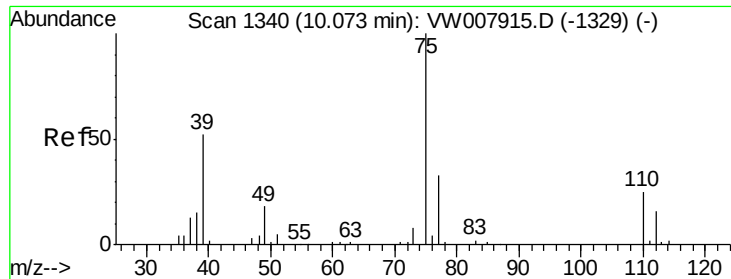
Tgt Ion: 63 Resp: 24870
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.856 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion: 83 Resp: 37570
 Ion Ratio Lower Upper
 83 100
 85 67.5 44.4 82.5
 127 7.9 7.0 10.6

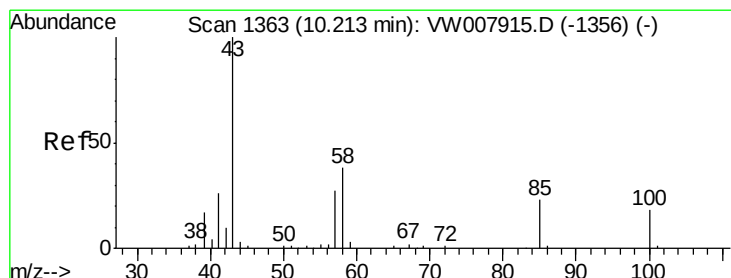
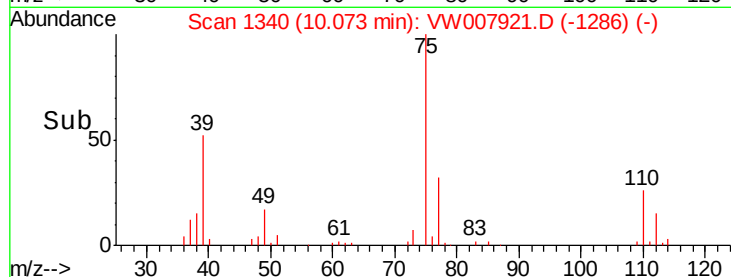
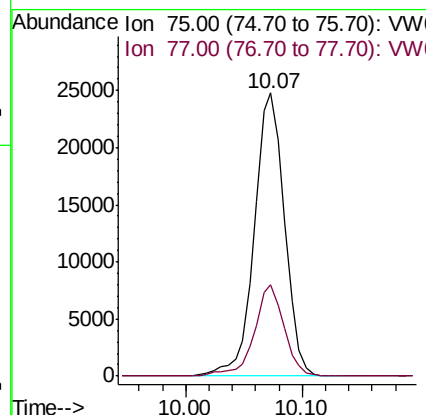
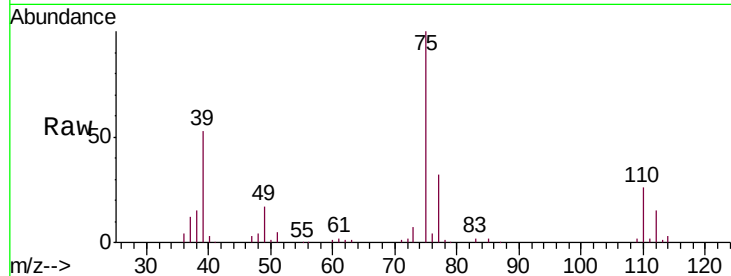




#42
 cis-1,3-Dichloropropene
 Concen: 24.044 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

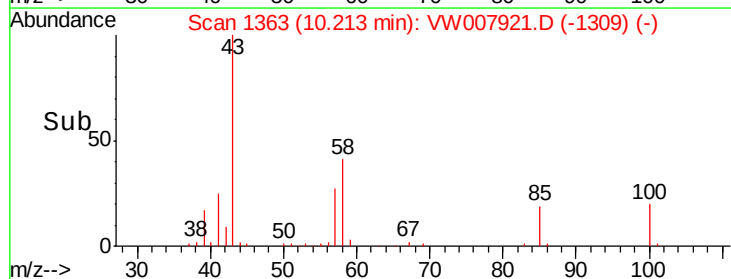
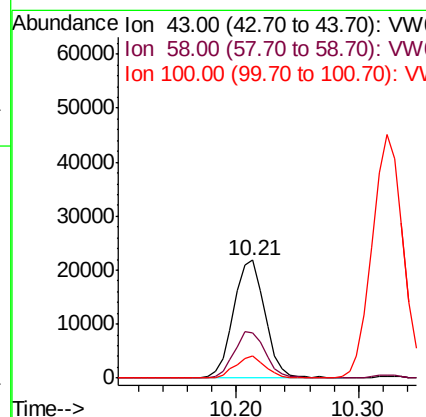
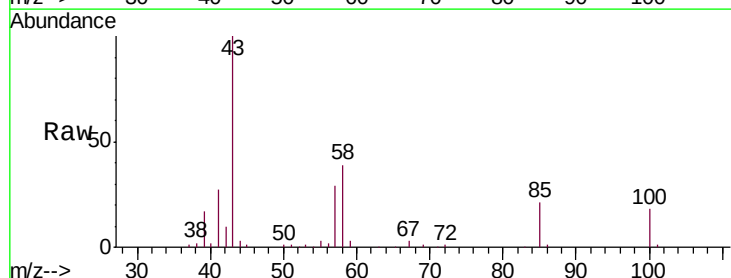
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

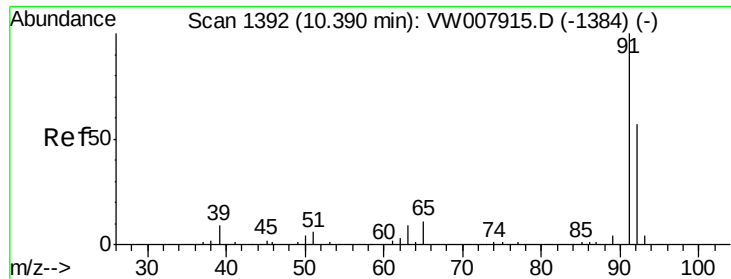
Tgt Ion: 75 Resp: 44944
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.8



#43
 4-Methyl-2-pentanone
 Concen: 45.849 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion: 43 Resp: 38859
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.1 46.7
 100 17.3 14.0 21.0





#44

Toluene

Concen: 23.438 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

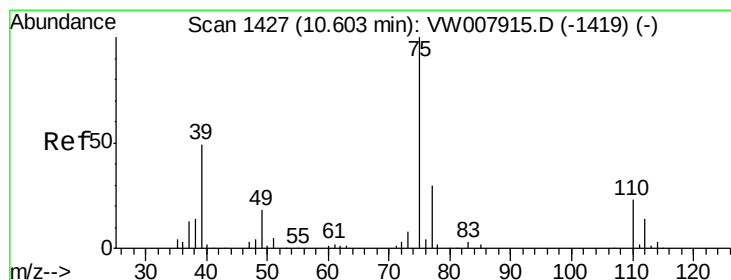
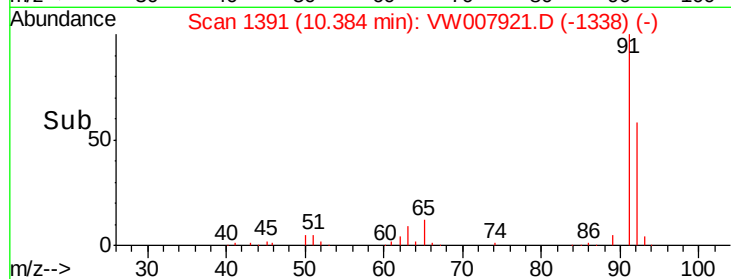
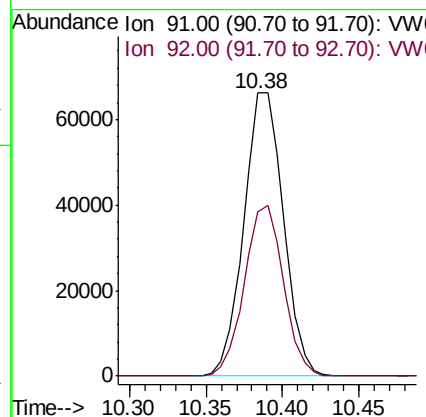
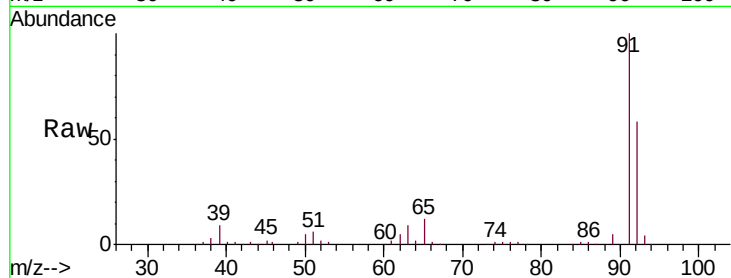
VSTD02589

Tgt Ion: 91 Resp: 119458

Ion Ratio Lower Upper

91 100

92 58.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 23.572 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007921.D

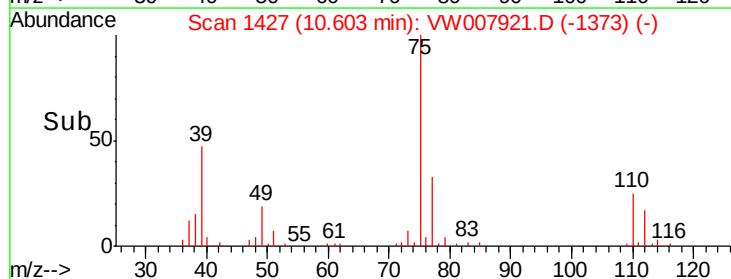
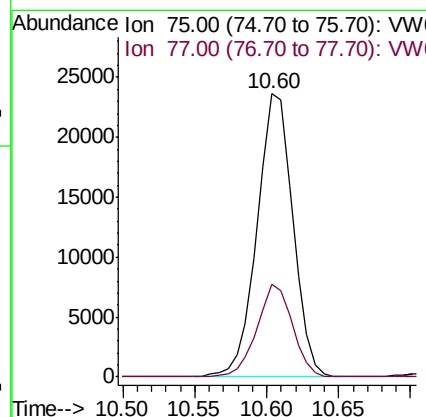
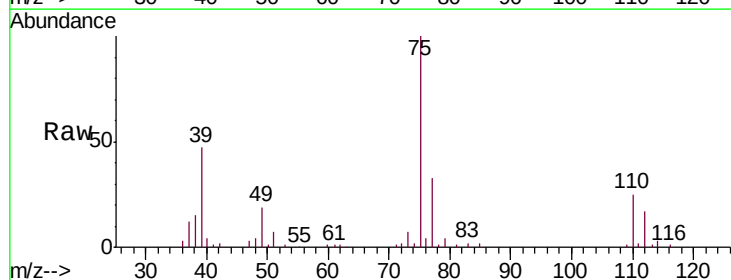
Acq: 26 Dec 2018 14:16

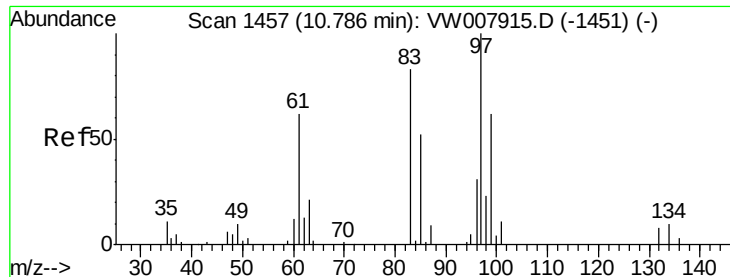
Tgt Ion: 75 Resp: 40600

Ion Ratio Lower Upper

75 100

77 32.8 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.799 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 97 Resp: 21561

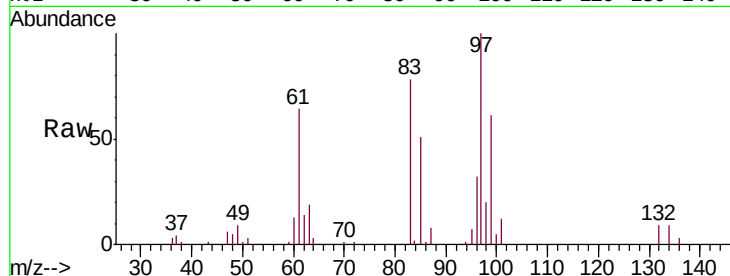
Ion Ratio Lower Upper

97 100

83 77.6 58.4 108.6

85 51.0 36.4 67.6

99 61.0 43.8 81.3



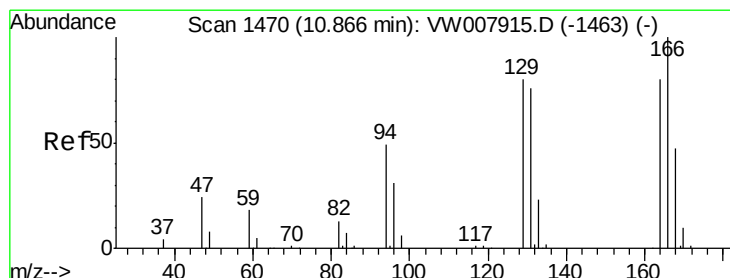
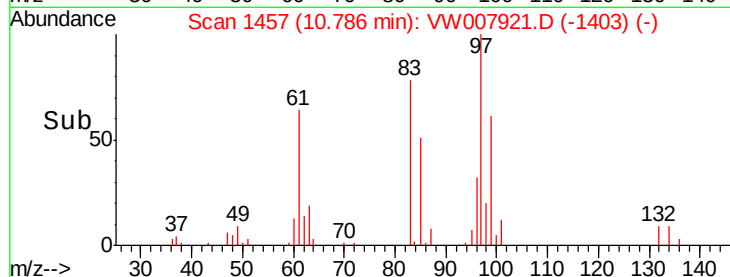
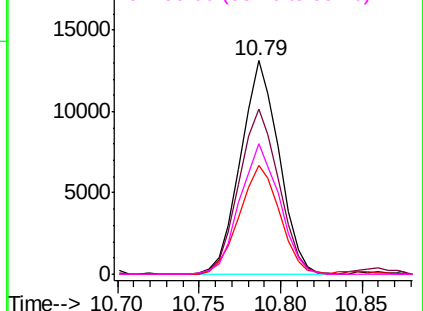
Abundance

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: 22.900 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Tgt Ion: 164 Resp: 24081

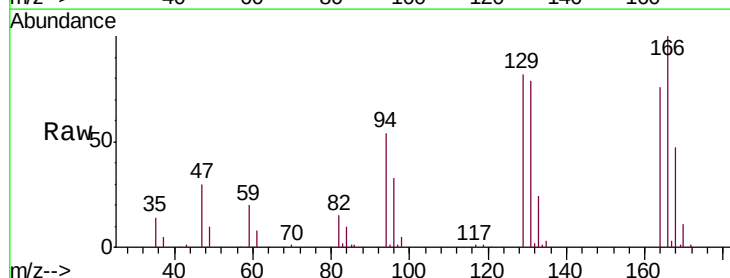
Ion Ratio Lower Upper

164 100

129 107.9 70.6 131.2

131 104.1 66.5 123.5

166 131.6 87.7 162.9



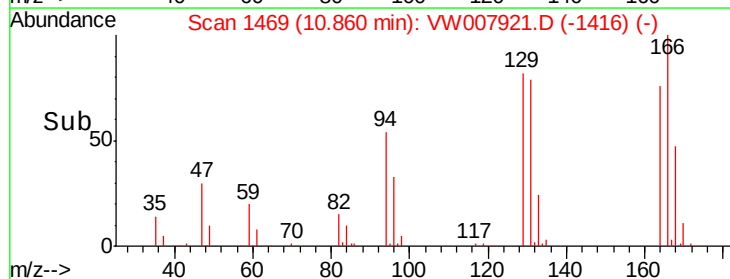
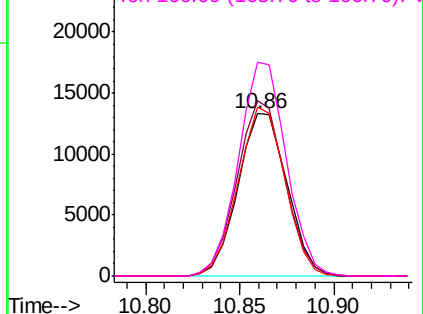
Abundance

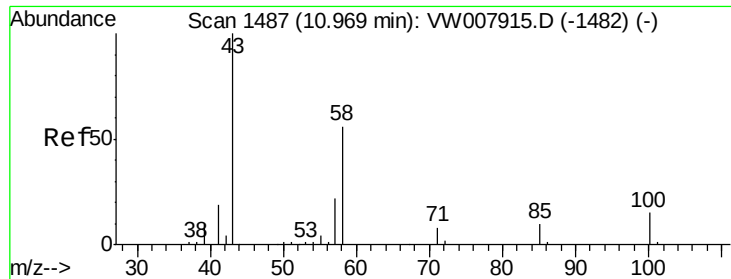
Ion 164.00 (163.70 to 164.70): V

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

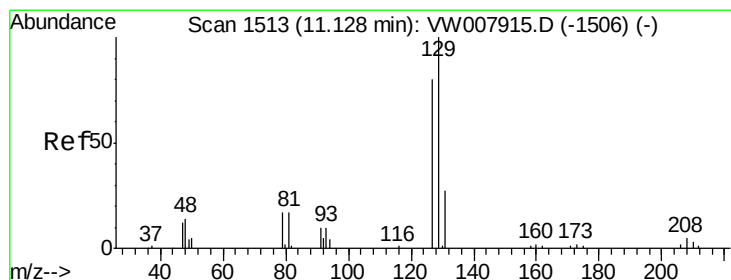
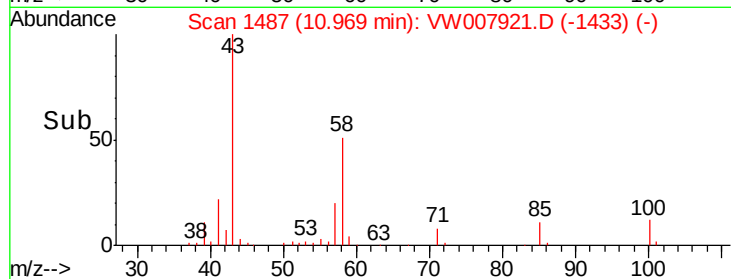
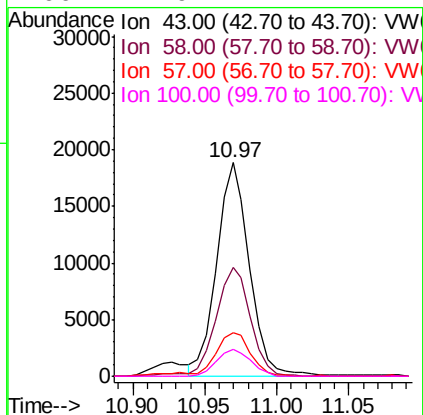
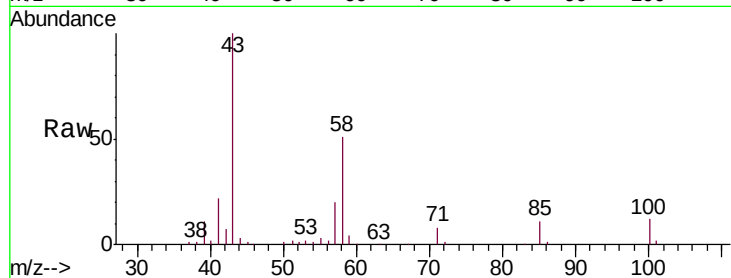




#49
2-Hexanone
Concen: 49.089 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

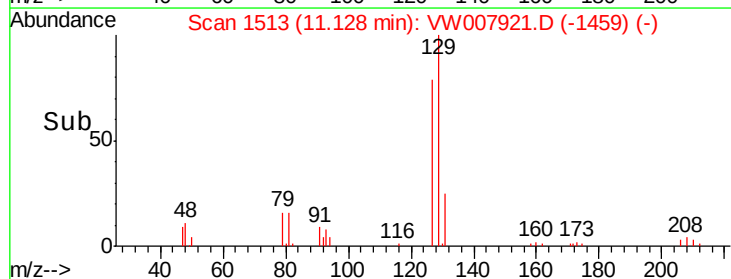
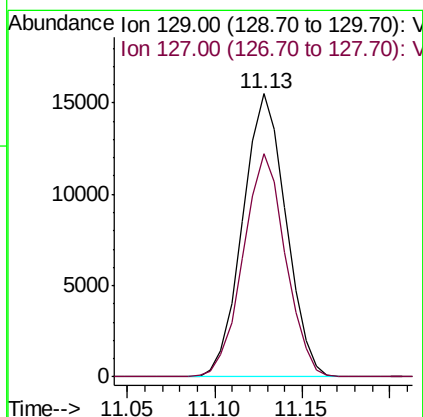
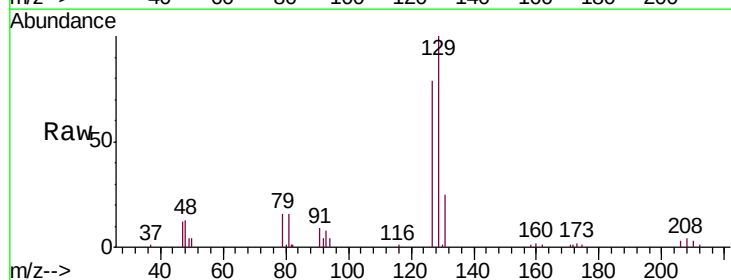
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

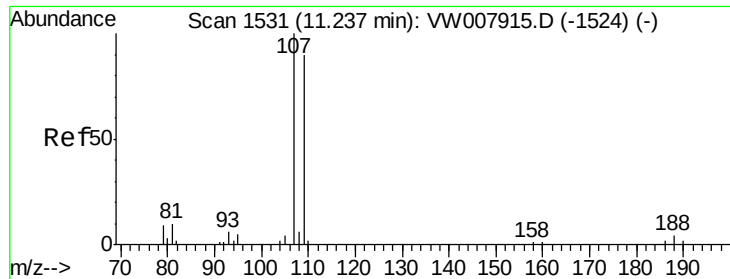
Tgt Ion:	43	Resp:	30017
Ion	Ratio	Lower	Upper
43	100		
58	53.1	46.2	69.4
57	21.1	17.9	26.9
100	12.9	11.4	17.2



#50
Dibromochloromethane
Concen: 23.137 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion:	129	Resp:	26705
Ion	Ratio	Lower	Upper
129	100		
127	78.8	55.8	103.6

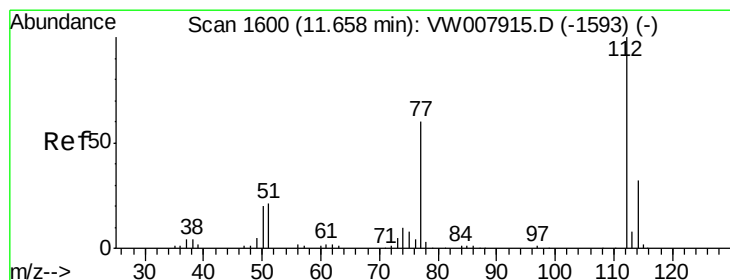
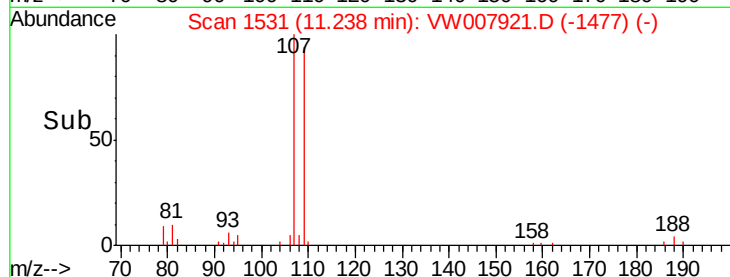
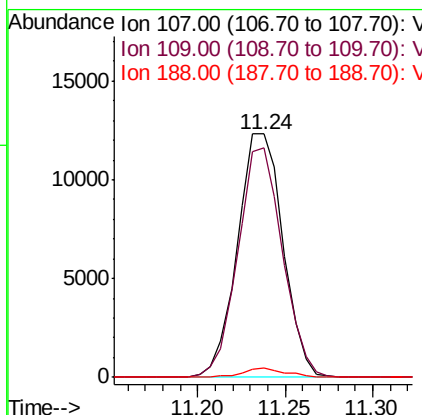
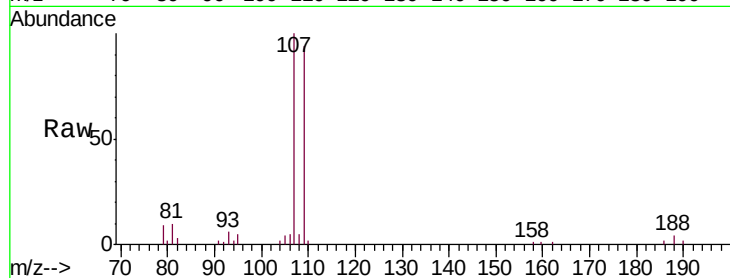




#51
 1,2-Dibromoethane
 Concen: 24.101 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

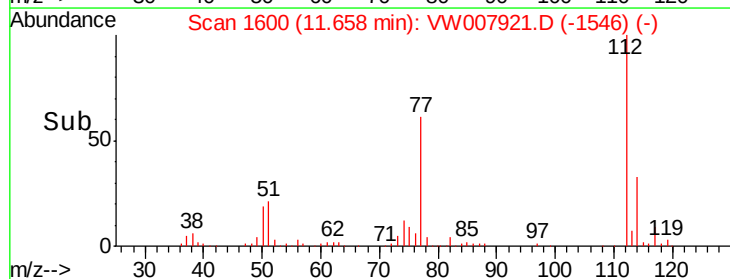
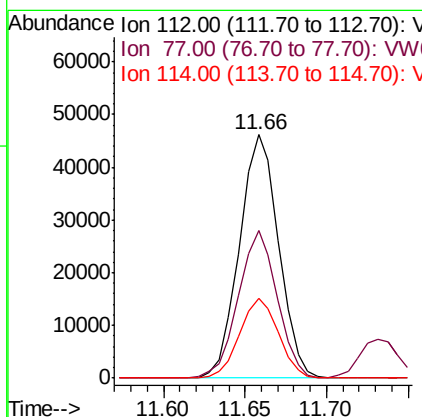
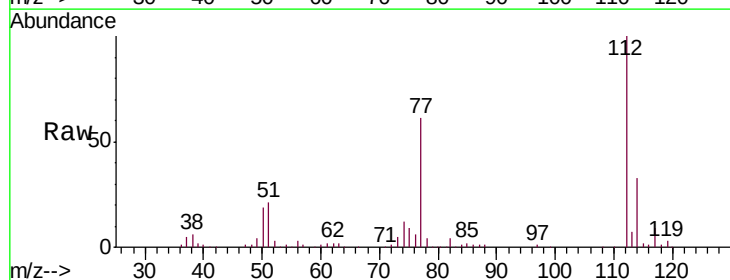
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

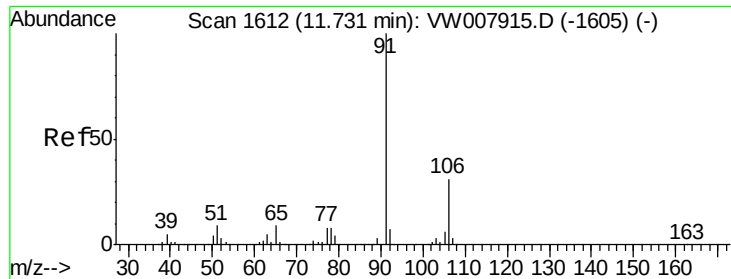
Tgt Ion:107 Resp: 22285
 Ion Ratio Lower Upper
 107 100
 109 94.4 63.2 117.4
 188 3.7 3.1 4.7



#52
 Chlorobenzene
 Concen: 23.341 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion:112 Resp: 77443
 Ion Ratio Lower Upper
 112 100
 77 60.8 47.8 71.6
 114 32.8 22.2 41.2

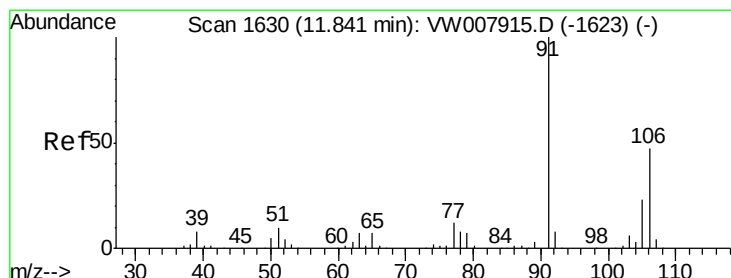
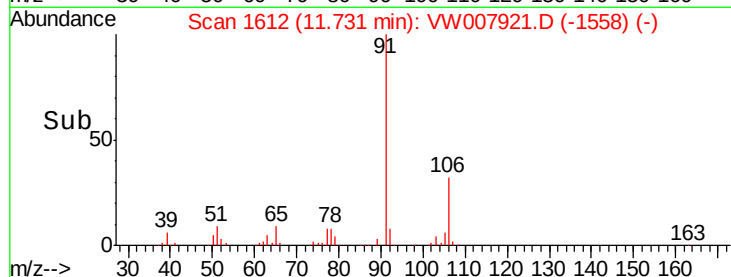
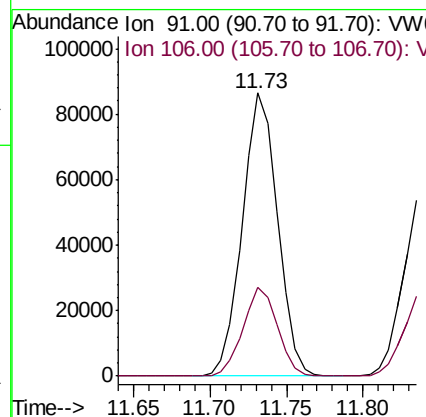
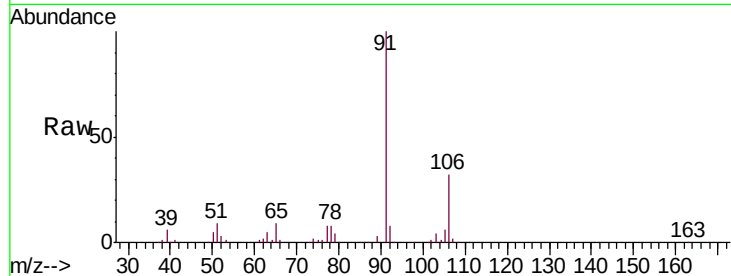




#53
Ethylbenzene
Concen: 23.633 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

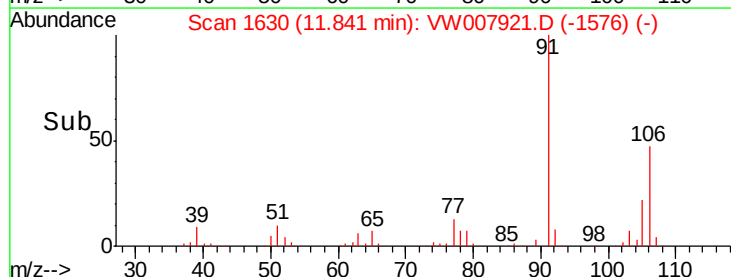
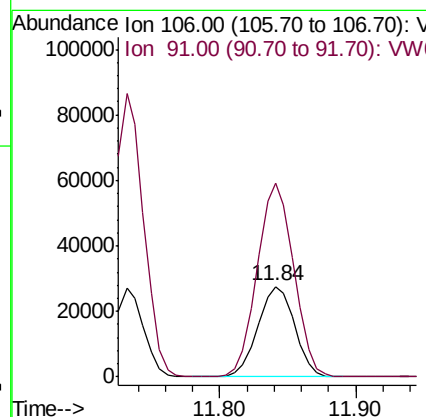
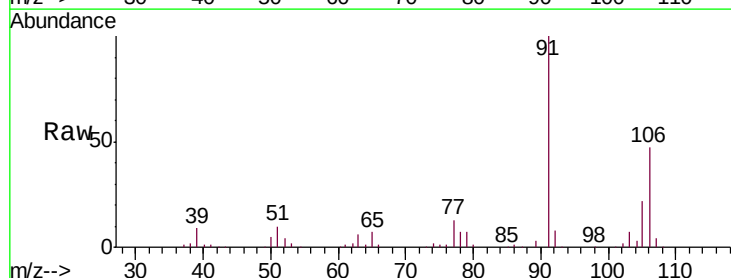
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

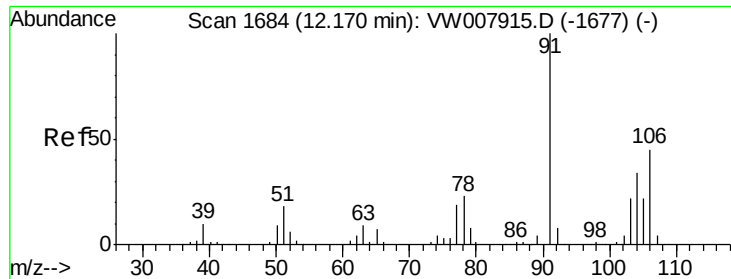
Tgt Ion: 91 Resp: 138391
Ion Ratio Lower Upper
91 100
106 31.5 21.5 39.9



#54
m,p-Xylene
Concen: 23.684 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion: 106 Resp: 52252
Ion Ratio Lower Upper
106 100
91 213.8 147.8 274.4

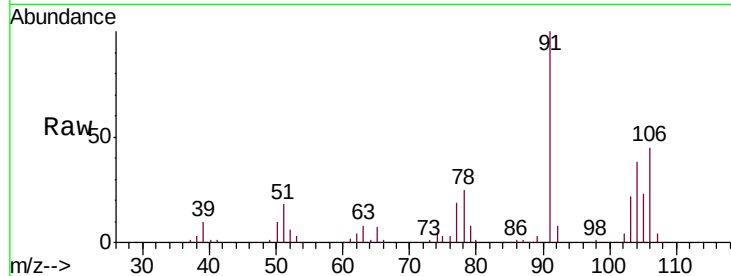




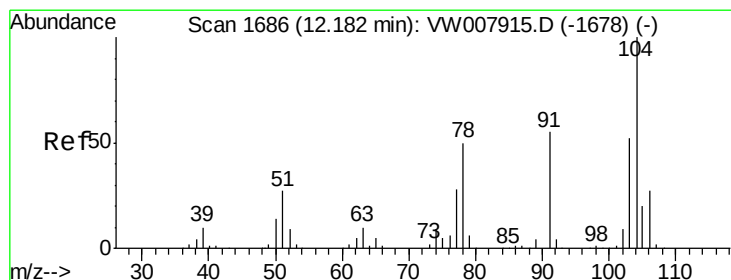
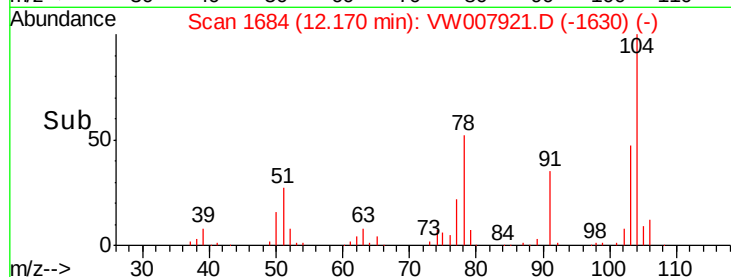
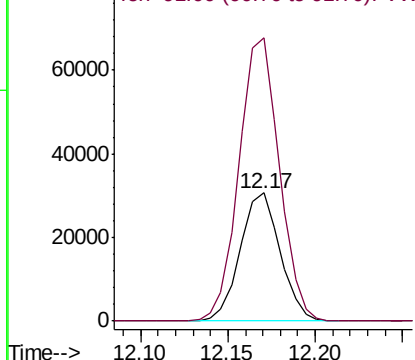
#55
o-xylene
Concen: 23.378 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion:106 Resp: 48916
Ion Ratio Lower Upper
106 100
91 221.0 156.0 289.6

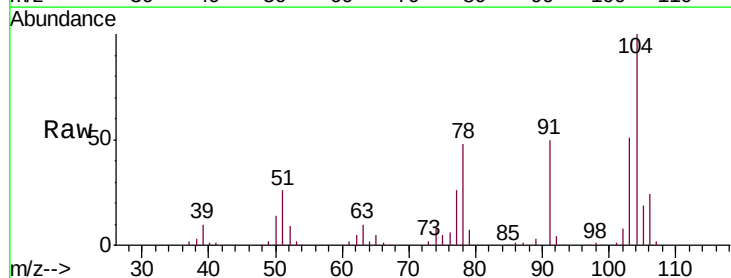


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

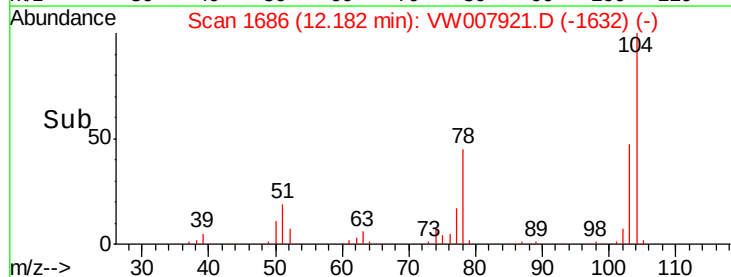
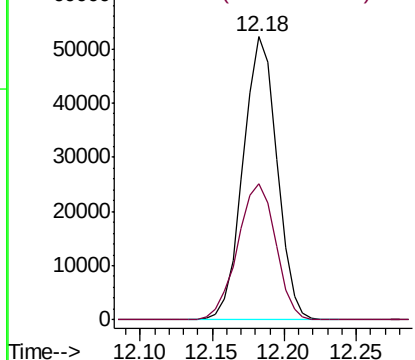


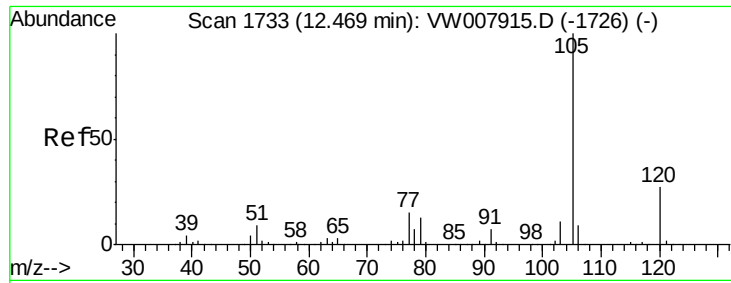
#56
Styrene
Concen: 24.004 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007921.D
Acq: 26 Dec 2018 14:16

Tgt Ion:104 Resp: 85129
Ion Ratio Lower Upper
104 100
78 48.3 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: 23.811 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

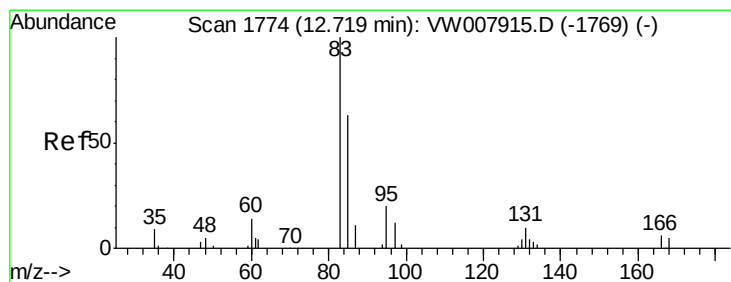
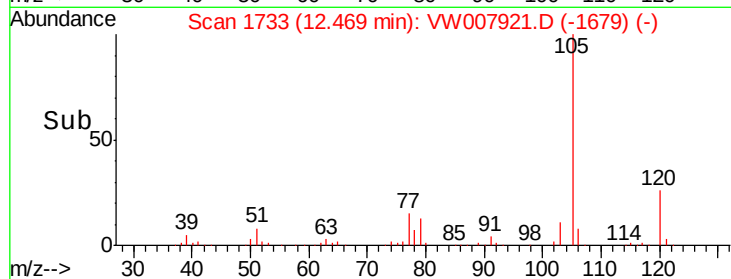
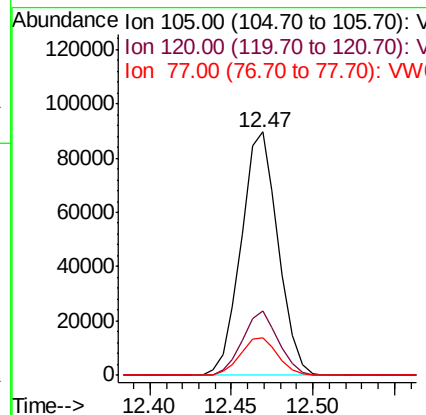
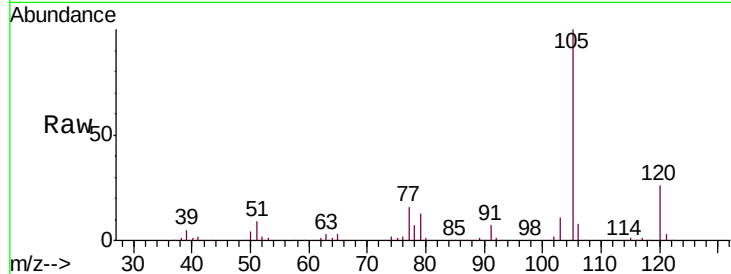
Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion:	105	Resp:	141131
Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.1	31.7
77	15.7	12.4	18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 23.470 ug/L

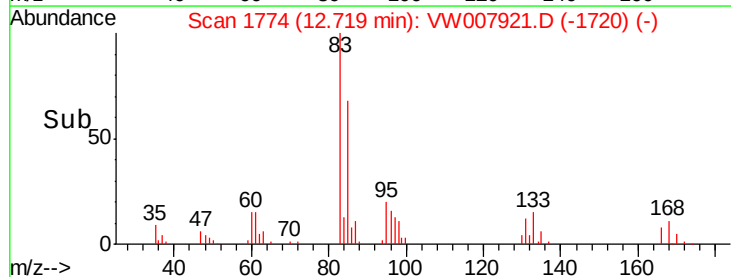
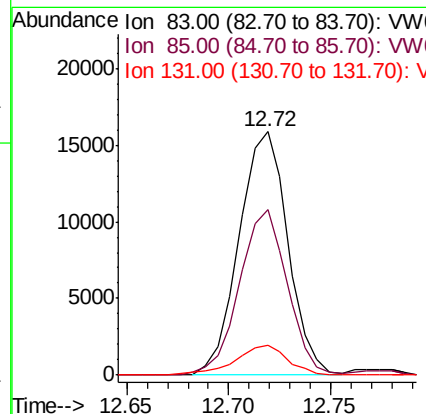
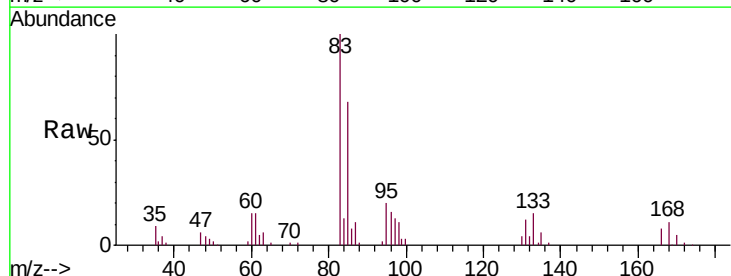
RT: 12.72 min Scan# 1774

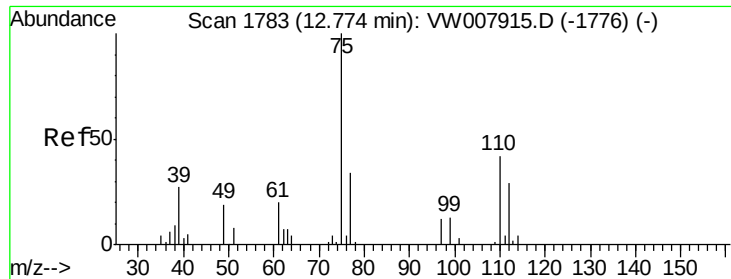
Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Tgt Ion:	83	Resp:	26364
Ion	Ratio	Lower	Upper
83	100		
85	68.1	46.6	86.6
131	12.0	9.7	14.5





#59

1,2,3-Trichloropropane

Concen: 23.487 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

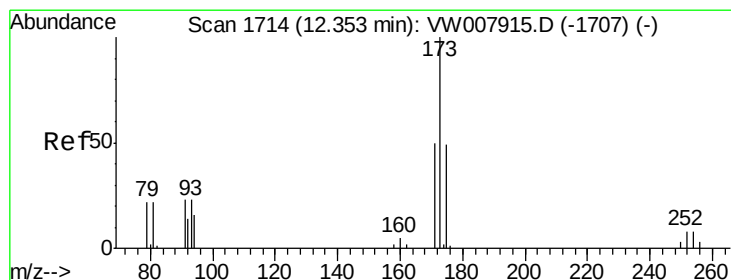
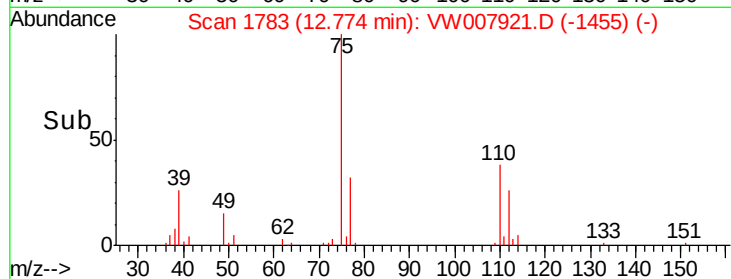
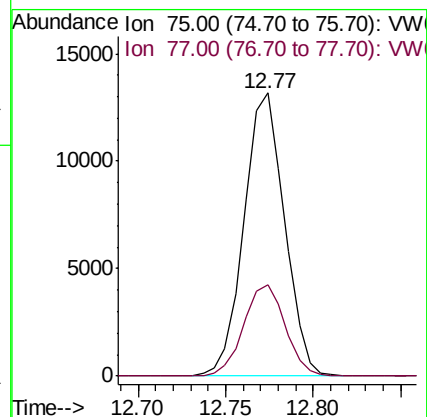
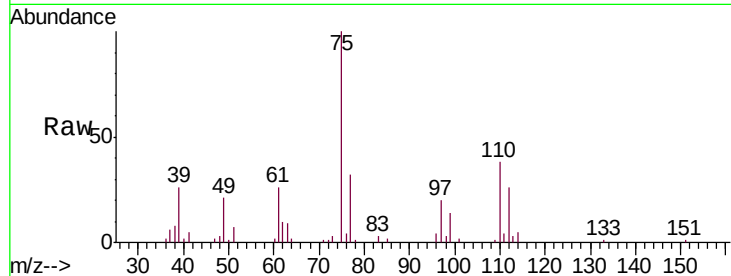
VSTD02589

Tgt Ion: 75 Resp: 21221

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3



#62

Bromoform

Concen: 22.571 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

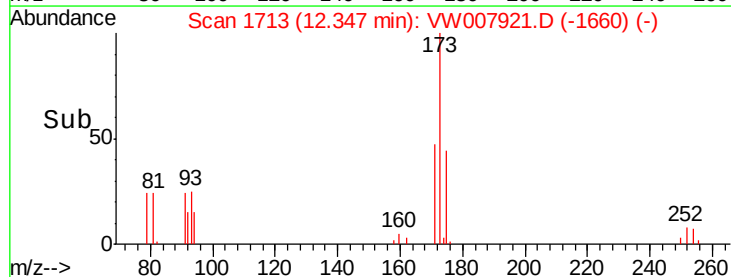
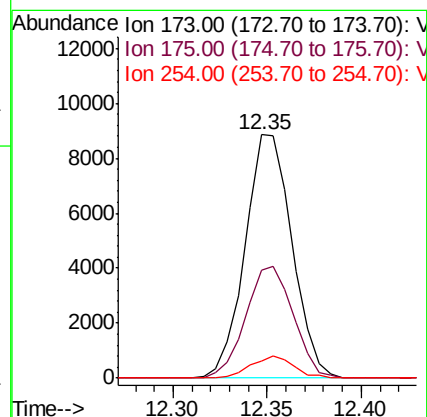
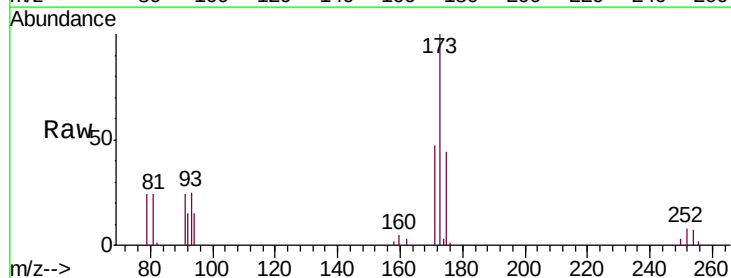
Tgt Ion: 173 Resp: 15332

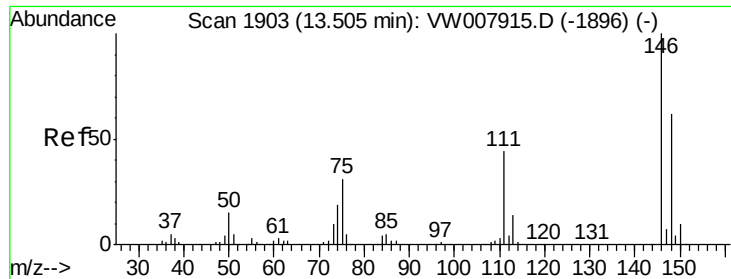
Ion Ratio Lower Upper

173 100

175 46.5 39.0 58.4

254 8.4 5.8 8.8

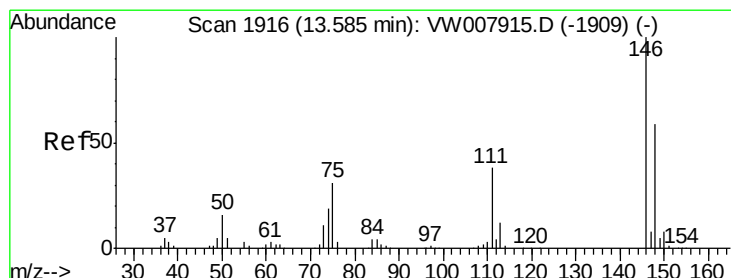
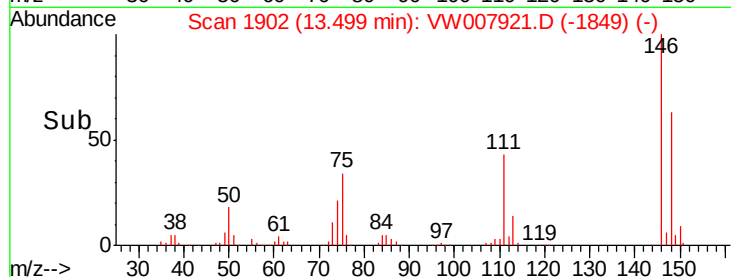
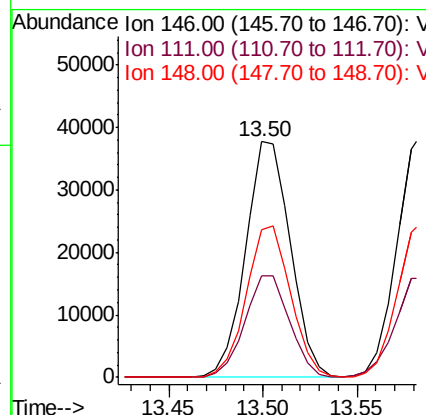
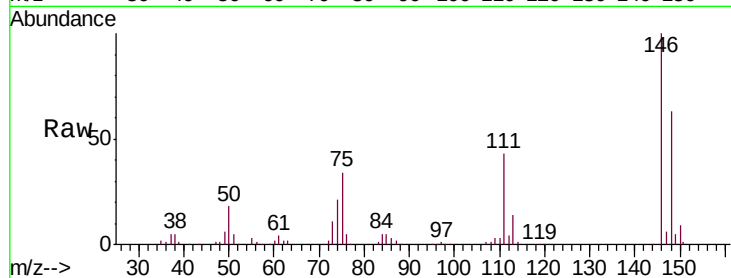




#63
 1,3-Dichlorobenzene
 Concen: 22.615 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

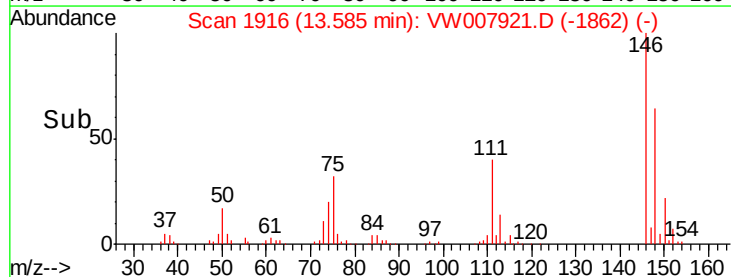
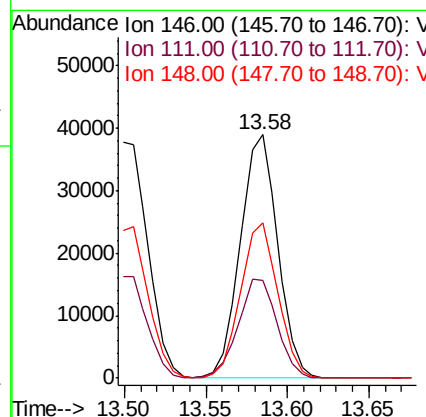
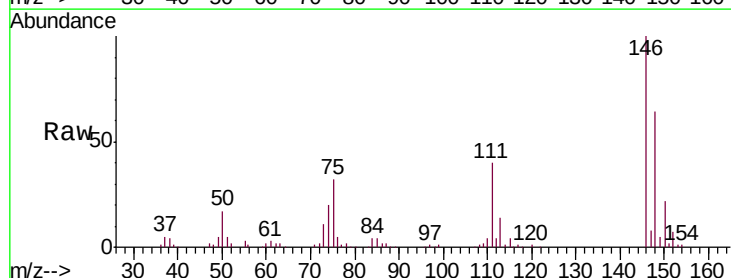
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

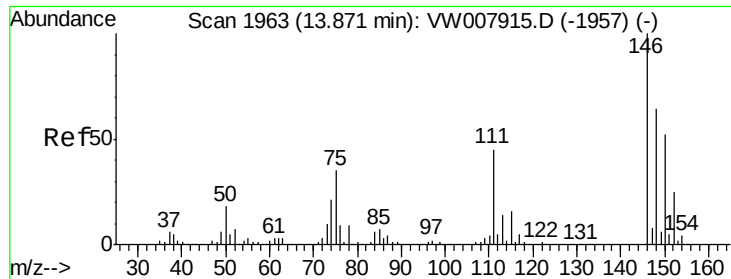
Tgt Ion:146 Resp: 62297
 Ion Ratio Lower Upper
 146 100
 111 42.9 31.0 57.6
 148 62.7 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 22.749 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion:146 Resp: 62319
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.9 49.9
 148 63.7 41.6 77.3

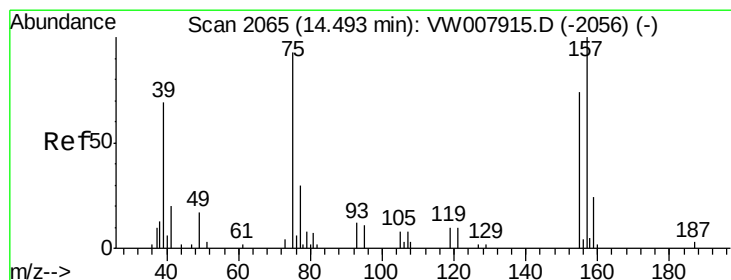
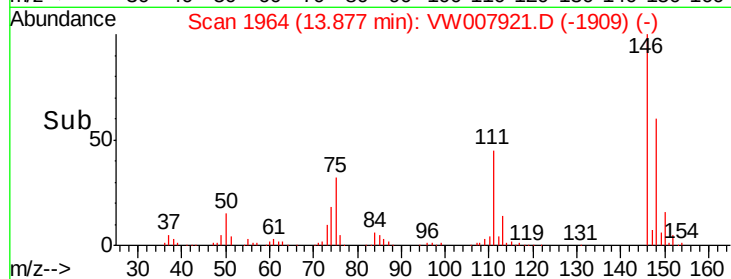
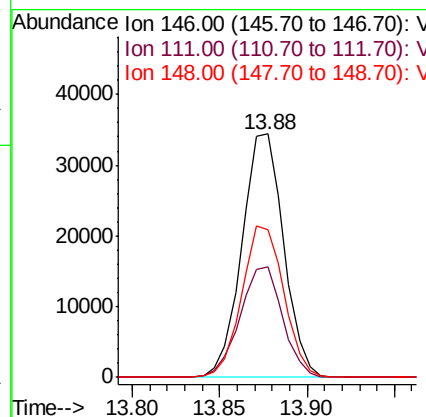
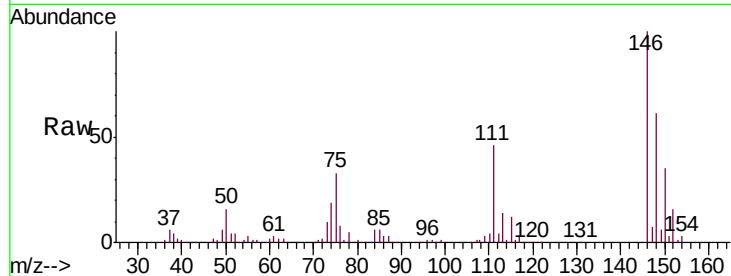




#65
 1,2-Dichlorobenzene
 Concen: 22.867 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

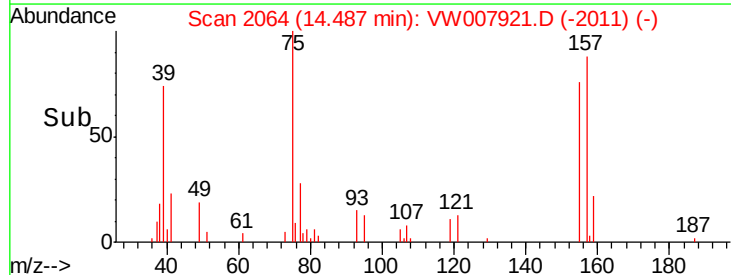
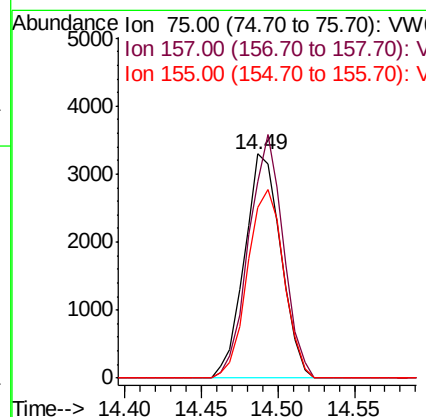
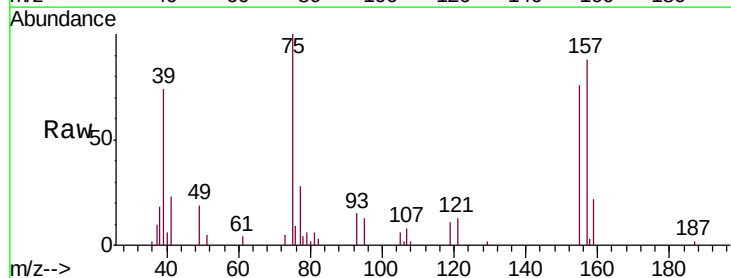
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

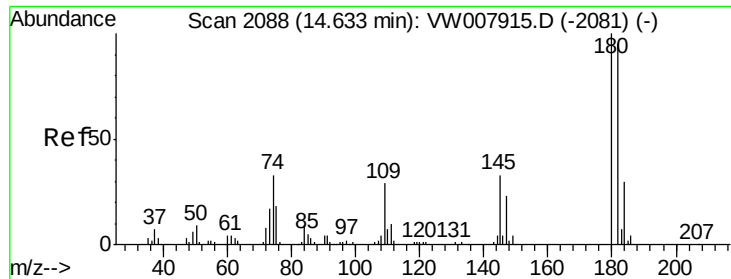
Tgt Ion: 146 Resp: 57185
 Ion Ratio Lower Upper
 146 100
 111 45.6 36.4 54.6
 148 60.6 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.113 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion: 75 Resp: 5452
 Ion Ratio Lower Upper
 75 100
 157 87.6 85.6 128.4
 155 76.1 63.4 95.0

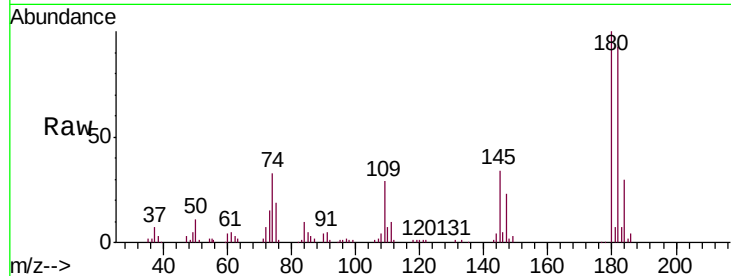




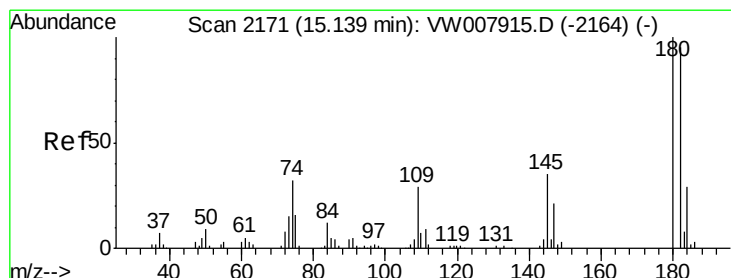
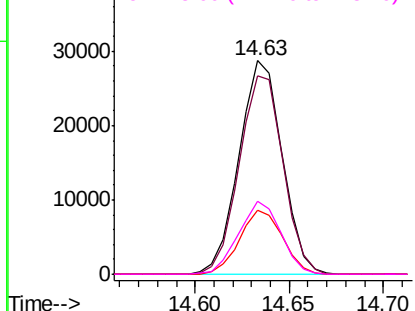
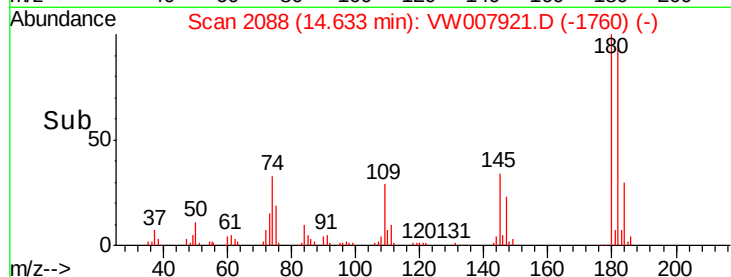
#67
 1,3,5-Trichlorobenzene
 Concen: 22.667 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:180 Resp: 45733
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.0 112.4
 184 30.0 23.5 35.3
 145 33.4 26.6 39.8

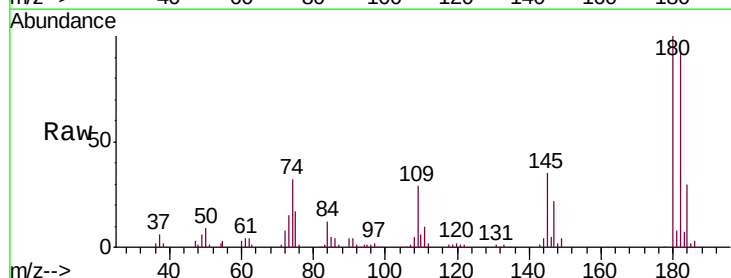


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

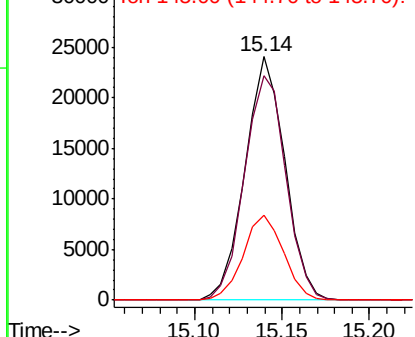
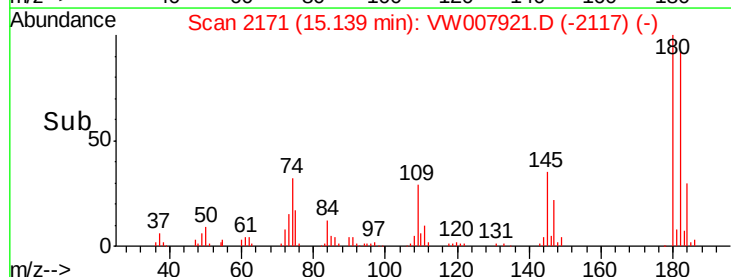


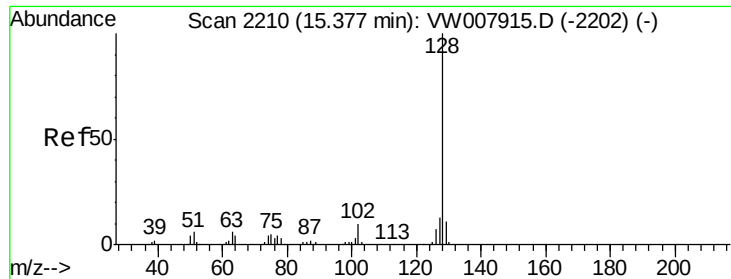
#68
 1,2,4-trichlorobenzene
 Concen: 22.246 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007921.D
 Acq: 26 Dec 2018 14:16

Tgt Ion:180 Resp: 38529
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 145 35.2 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: 22.952 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

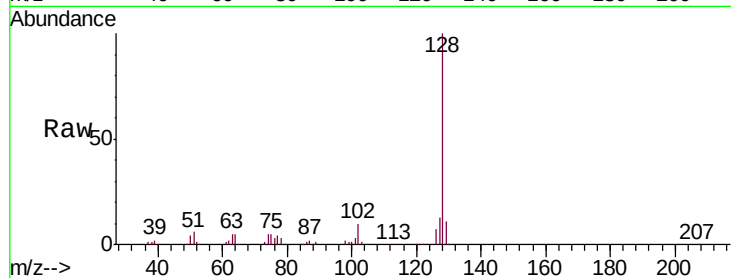
Tgt Ion:128 Resp: 89980

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

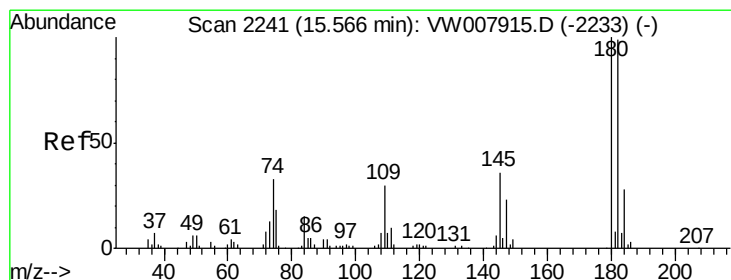
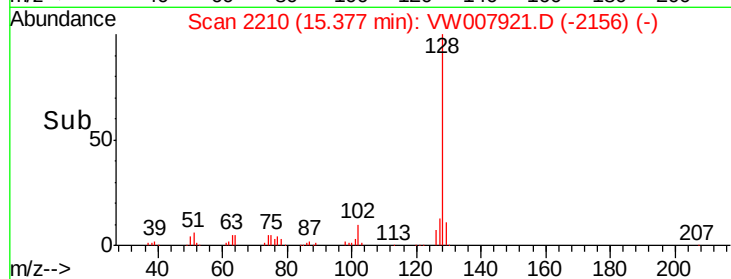
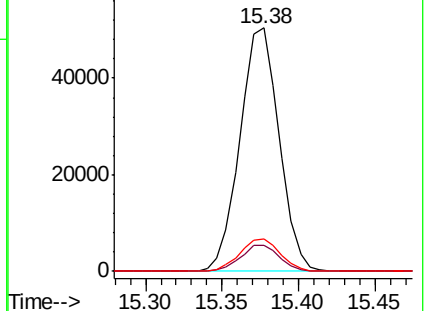
127 13.6 11.1 16.7



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: 22.491 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007921.D

Acq: 26 Dec 2018 14:16

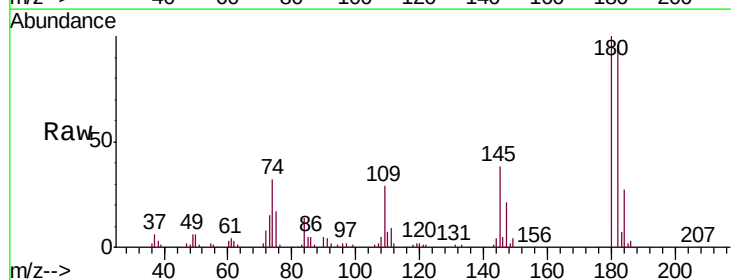
Tgt Ion:180 Resp: 34483

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.6

145 37.1 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

