

Data File : VW007994.D
Acq On : 28 Dec 2018 08:03
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Quant Time: Dec 28 22:22:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 05:56:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	100526	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	90756	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	45271	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23178	23.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.60%
7) Chloroethane-d5	2.89	69	17005	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.92%
10) 1,1-Dichloroethene-d2	4.01	63	60900	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	18269	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
24) Chloroform-d	7.65	84	64099	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	8.31	65	38951	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.16%
29) Benzene-d6	8.27	84	117049	23.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.00%
33) 1,2-Dichloropropane-d6	9.27	67	31421	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
37) Toluene-d8	10.32	98	112353	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.64%
38) trans-1,3-Dichloropropene-	10.58	79	17756	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	14249	40.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	30553	22.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	41953	22.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20473	18.479 ug/L	85
3) Chloromethane	2.21	50	18987	21.746 ug/L	94
5) Vinyl chloride	2.37	62	26250	24.168 ug/L	91
6) Bromomethane	2.78	94	15823	24.556 ug/L	99
8) Chloroethane	2.93	64	14018	25.976 ug/L	95
9) Trichlorofluoromethane	3.26	101	24635	26.266 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15632	12.318 ug/L #	24
12) 1,1-Dichloroethene	4.03	96	27774	23.901 ug/L	96
13) Acetone	4.12	43	17330	41.983 ug/L	98
14) Carbon disulfide	4.37	76	88284	23.986 ug/L	99
15) Methyl Acetate	4.67	43	13133	20.907 ug/L	99
16) Methylene chloride	4.90	84	35777	21.995 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	47714	23.101 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	29679	23.545 ug/L	93
19) 1,1-Dichloroethane	6.21	63	49205	23.464 ug/L	95
21) 2-Butanone	7.17	43	18610	39.621 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	31399	23.246 ug/L	95

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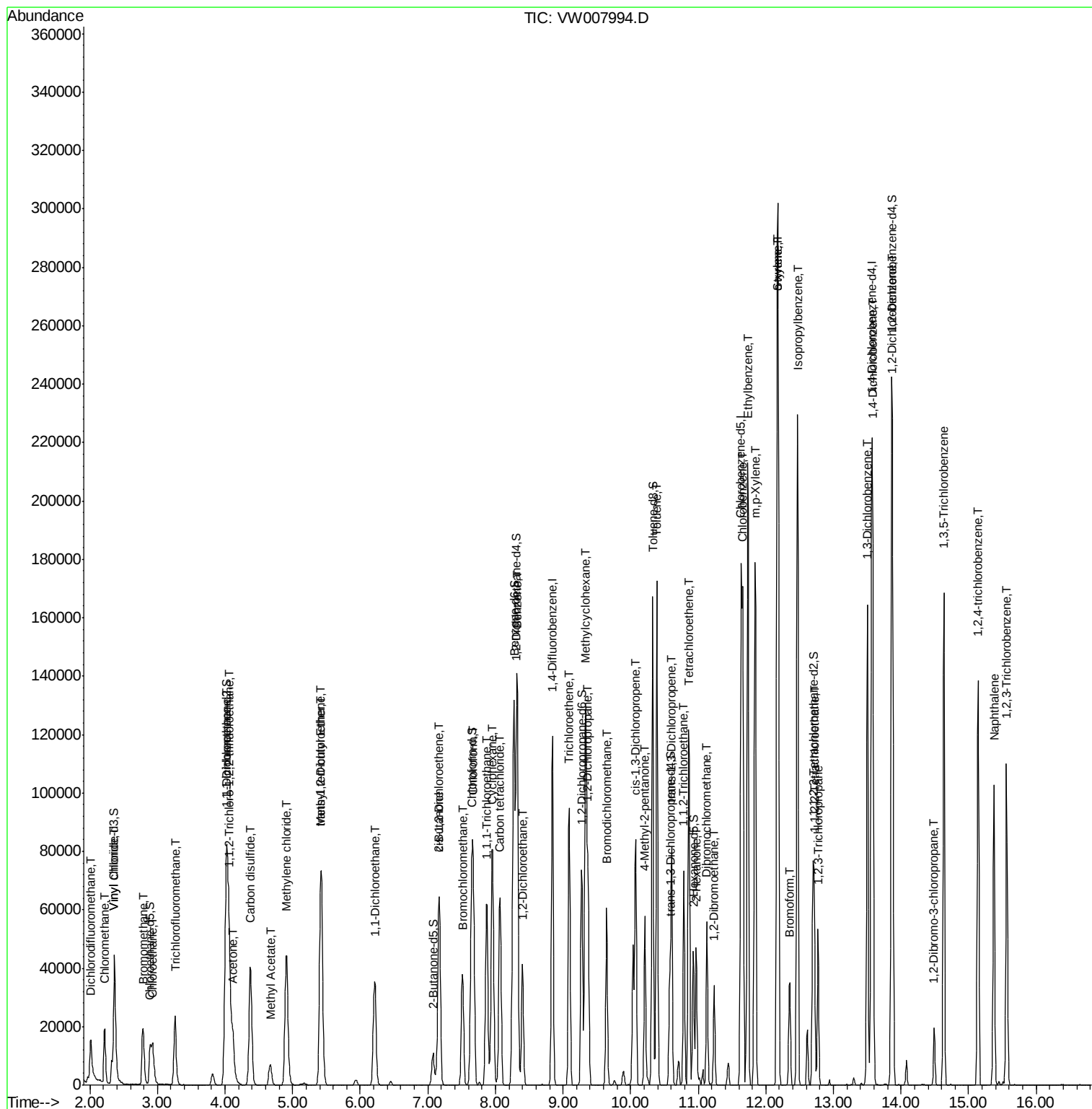
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	14232	23.403	ug/L	92
25) Chloroform	7.67	83	55717	23.591	ug/L	98
27) 1,2-Dichloroethane	8.40	62	41450	23.929	ug/L	97
30) Cyclohexane	7.95	56	44506	22.290	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	52624	24.185	ug/L	100
32) Carbon tetrachloride	8.07	117	50565	24.205	ug/L	99
34) Benzene	8.32	78	115867	23.858	ug/L	100
35) Trichloroethene	9.09	95	32153	22.788	ug/L	98
36) Methylcyclohexane	9.34	83	54833	22.662	ug/L	97
40) 1,2-Dichloropropane	9.37	63	25574	22.402	ug/L	98
41) Bromodichloromethane	9.65	83	40004	23.827	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	46261	23.215	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	35198	38.956	ug/L	97
44) Toluene	10.39	91	126420	23.267	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	41241	22.460	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21516	22.278	ug/L	98
47) Tetrachloroethene	10.86	164	25226	22.502	ug/L	98
49) 2-Hexanone	10.97	43	26177	40.156	ug/L	97
50) Dibromochloromethane	11.13	129	29292	23.806	ug/L	100
51) 1,2-Dibromoethane	11.24	107	22448	22.773	ug/L	96
52) Chlorobenzene	11.66	112	83319	23.556	ug/L	98
53) Ethylbenzene	11.73	91	149415	23.934	ug/L	100
54) m,p-Xylene	11.84	106	56796	24.148	ug/L	98
55) o-xylene	12.17	106	52451	23.514	ug/L	100
56) Styrene	12.18	104	91987	24.330	ug/L	99
57) Isopropylbenzene	12.47	105	149619	23.679	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	25878	21.610	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	20973	21.774	ug/L	99
62) Bromoform	12.35	173	16578	23.229	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	66939	23.129	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	67562	23.474	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	61225	23.303	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	5657	21.839	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	49515	23.358	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	40760	22.400	ug/L	100
69) Naphthalene	15.38	128	89251	21.669	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	36503	22.661	ug/L	100

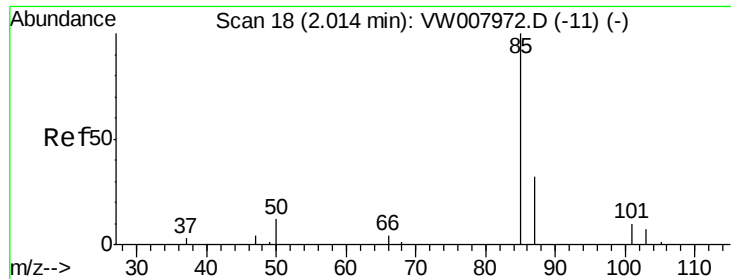
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.479 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

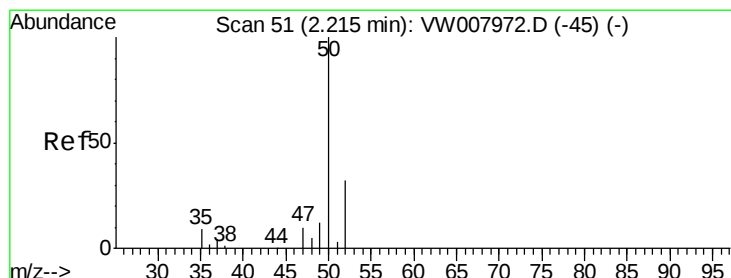
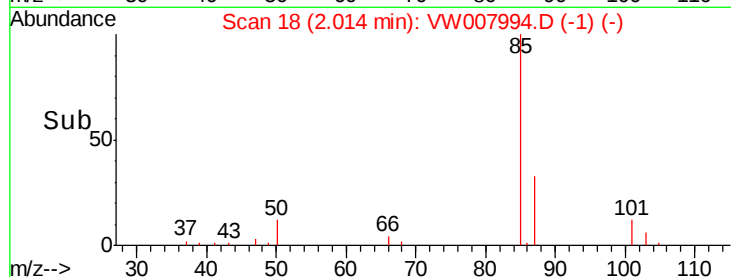
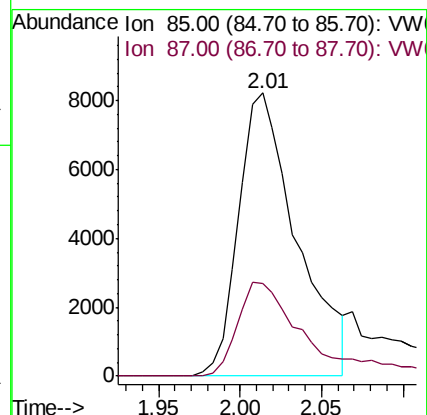
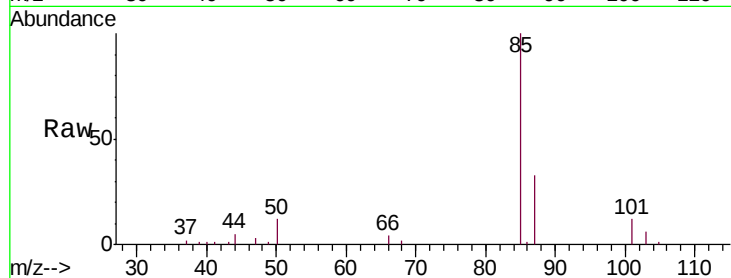
VSTD02594

Tgt Ion: 85 Resp: 20473

Ion Ratio Lower Upper

85 100

87 37.8 20.6 38.4



#3

Chloromethane

Concen: 21.746 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007994.D

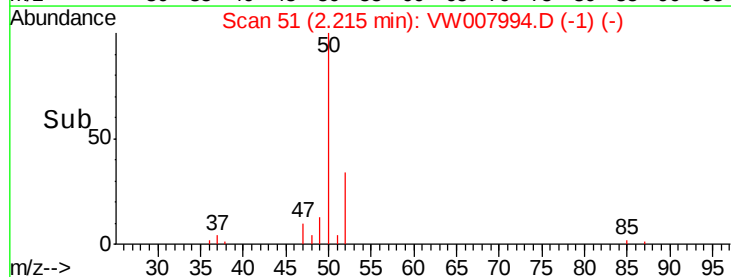
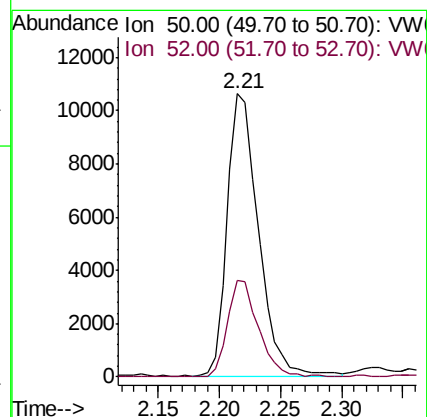
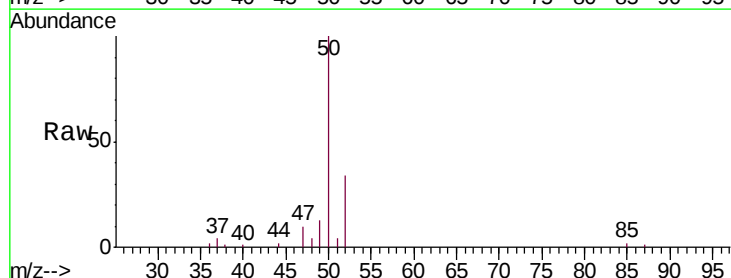
Acq: 28 Dec 2018 08:03

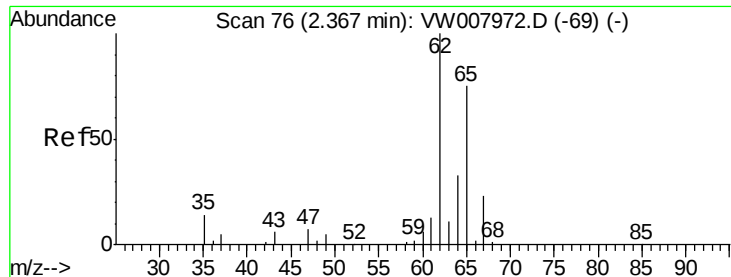
Tgt Ion: 50 Resp: 18987

Ion Ratio Lower Upper

50 100

52 33.9 21.4 39.8





#5

Vinyl chloride

Concen: 24.168 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

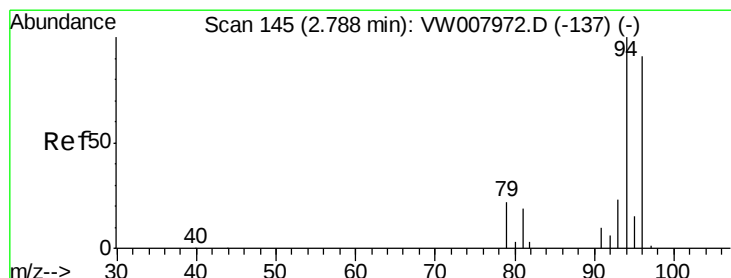
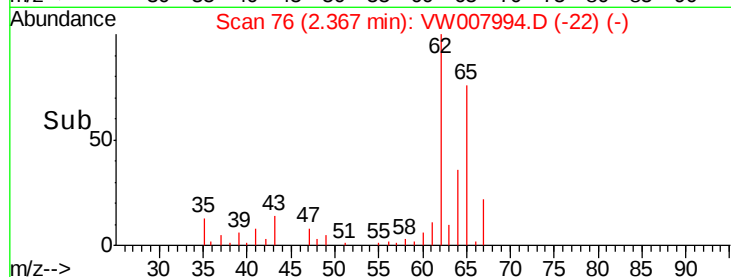
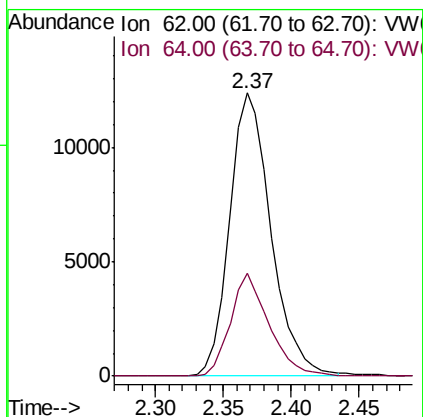
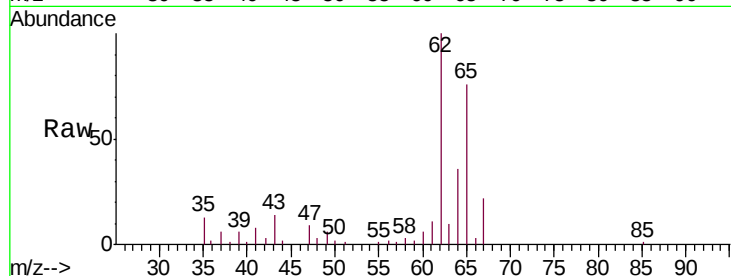
VSTD02594

Tgt Ion: 62 Resp: 26250

Ion Ratio Lower Upper

62 100

64 36.4 22.0 41.0



#6

Bromomethane

Concen: 24.556 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007994.D

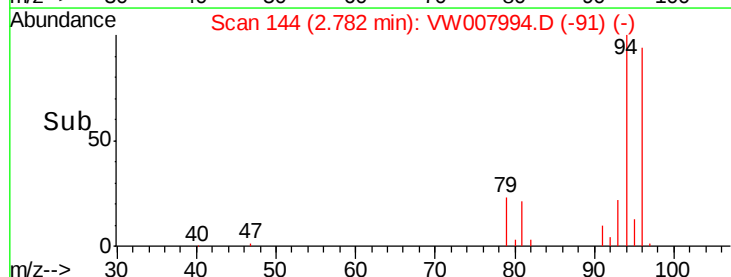
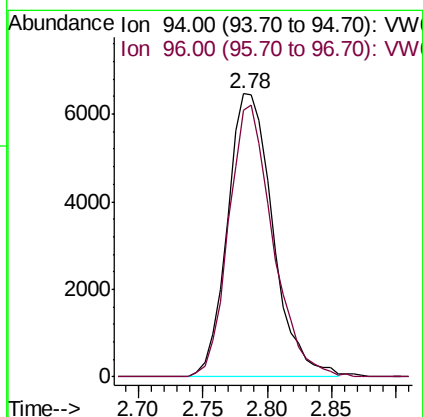
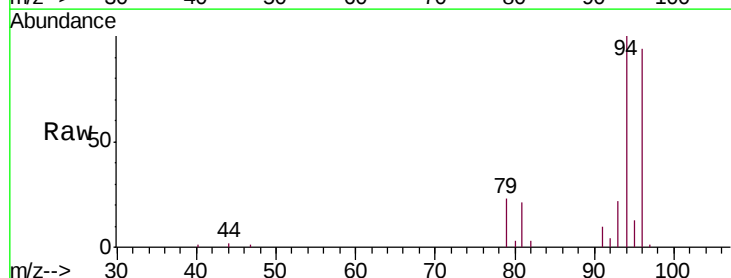
Acq: 28 Dec 2018 08:03

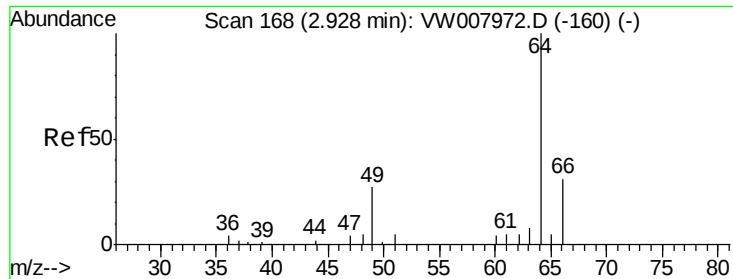
Tgt Ion: 94 Resp: 15823

Ion Ratio Lower Upper

94 100

96 93.6 9.2 175.4





#8

Chloroethane

Concen: 25.976 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampled :

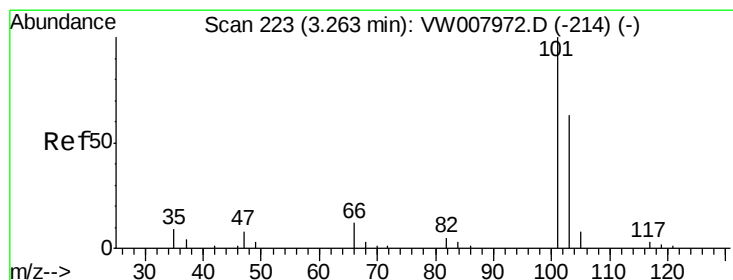
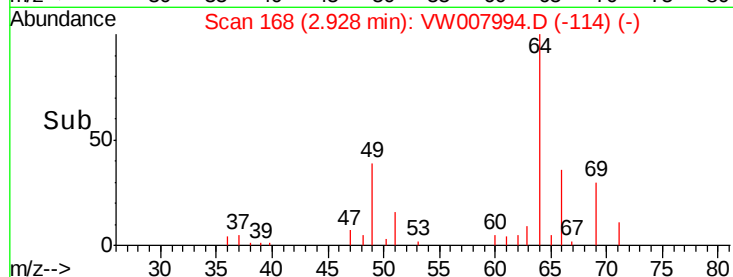
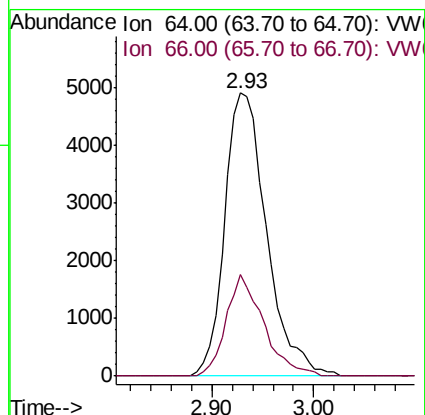
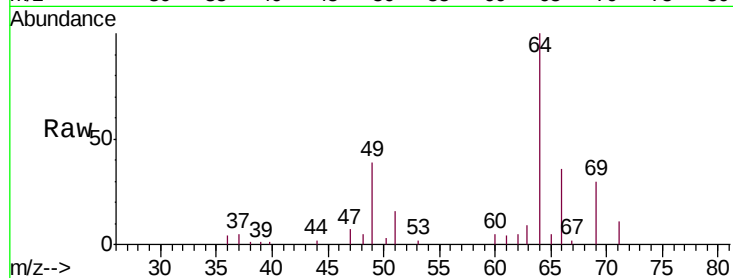
VSTD02594

Tgt Ion: 64 Resp: 14018

Ion Ratio Lower Upper

64 100

66 36.1 23.3 43.3



#9

Trichlorofluoromethane

Concen: 26.266 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW007994.D

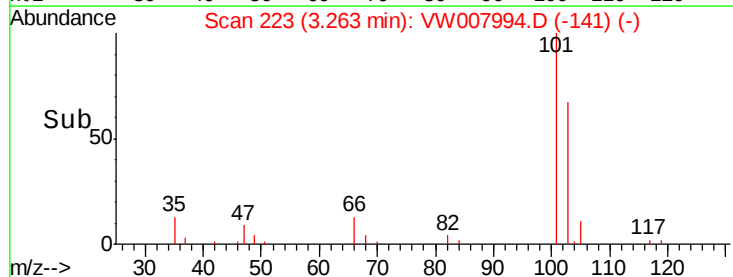
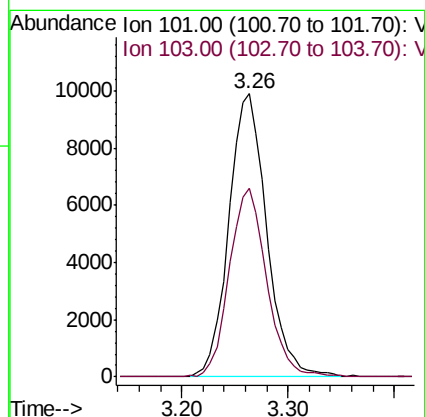
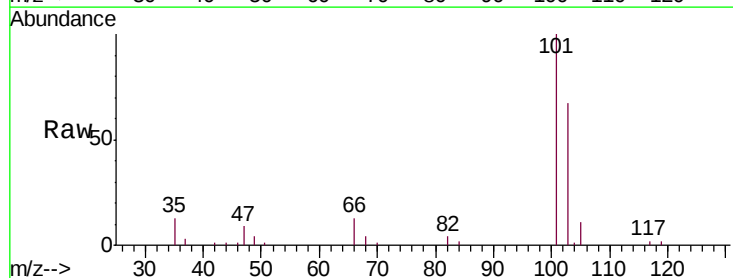
Acq: 28 Dec 2018 08:03

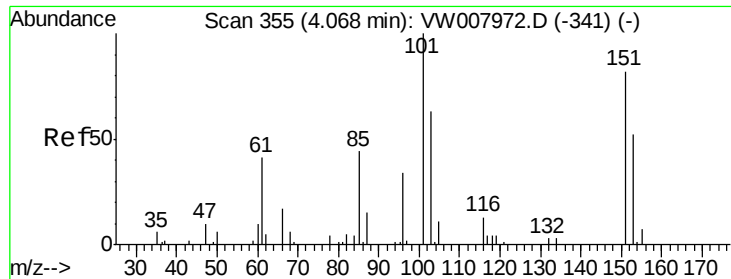
Tgt Ion: 101 Resp: 24635

Ion Ratio Lower Upper

101 100

103 64.9 44.7 83.1





#11

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

Concen: 12.318 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

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ClientSampleId :

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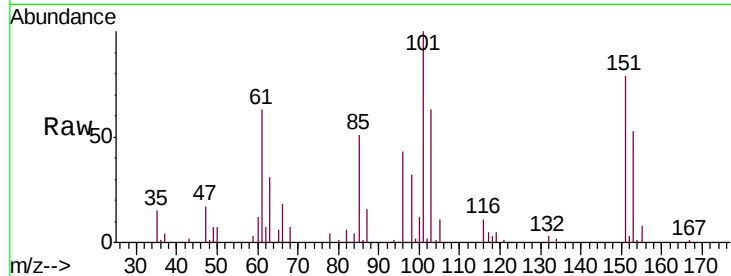
Tgt Ion: 101 Resp: 15632

Ion Ratio Lower Upper

101 100

85 81.7 33.4 50.2#

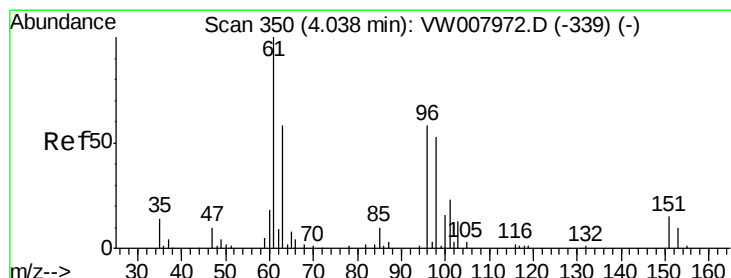
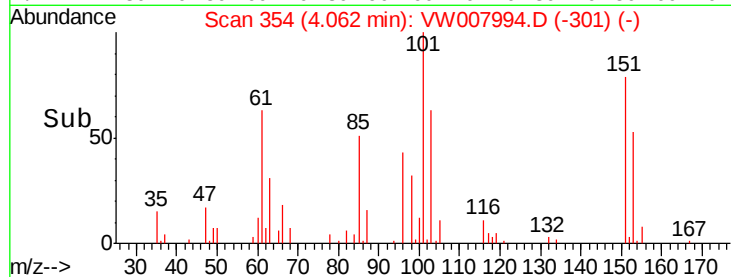
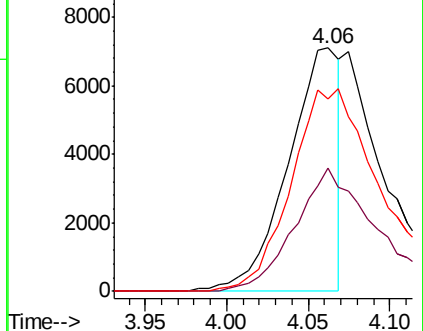
151 151.0 63.2 94.8#



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: 23.901 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

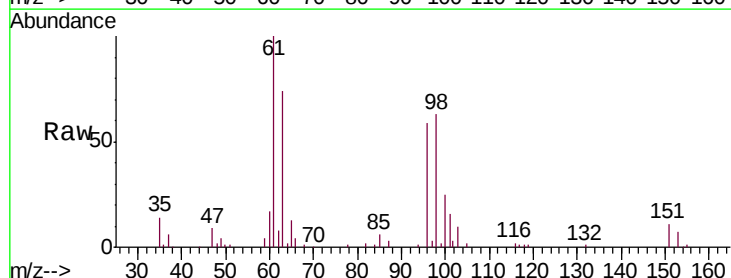
Tgt Ion: 96 Resp: 27774

Ion Ratio Lower Upper

96 100

61 168.5 120.3 223.3

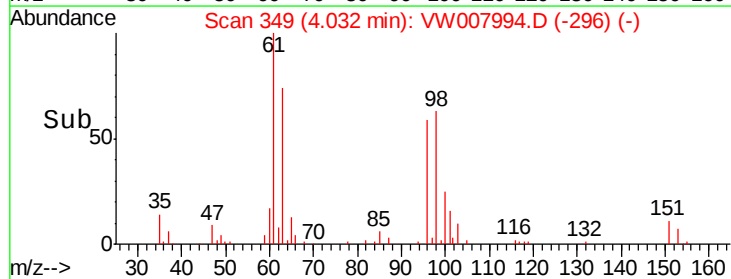
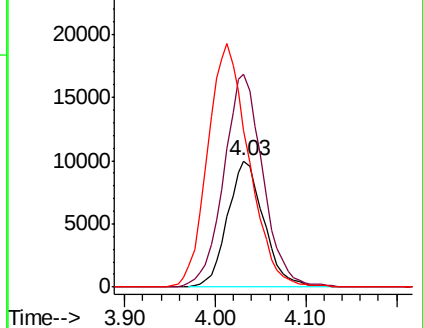
63 124.2 91.6 170.0

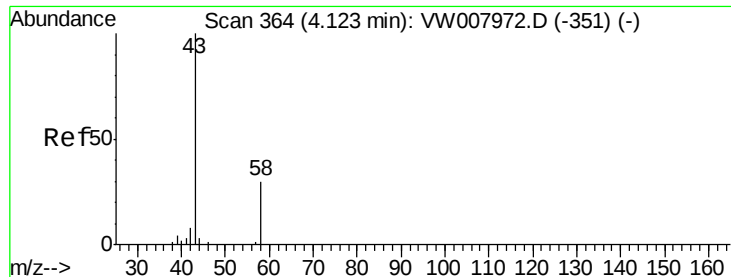


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.983 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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Acq: 28 Dec 2018 08:03

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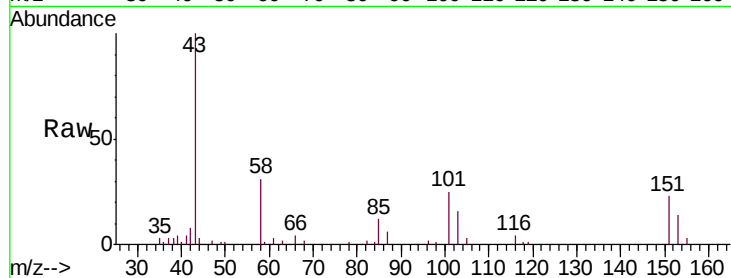
VSTD02594

Tgt Ion: 43 Resp: 17330

Ion Ratio Lower Upper

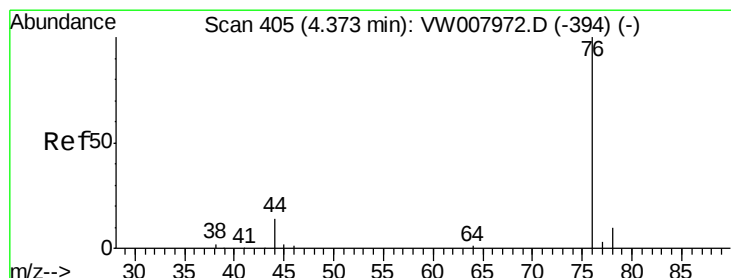
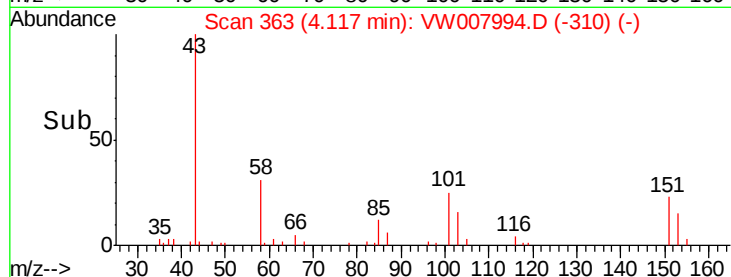
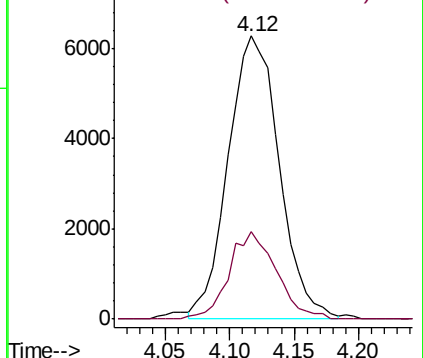
43 100

58 28.4 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: 23.986 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007994.D

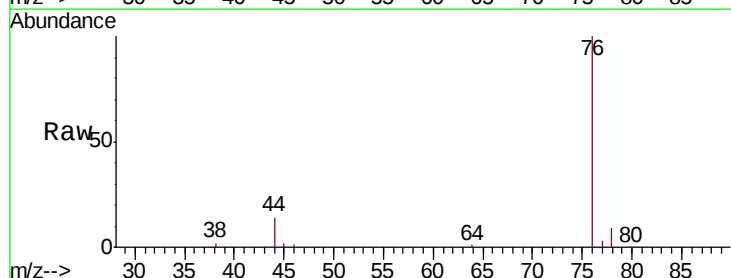
Acq: 28 Dec 2018 08:03

Tgt Ion: 76 Resp: 88284

Ion Ratio Lower Upper

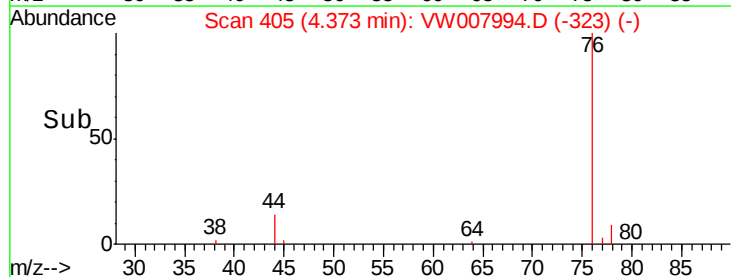
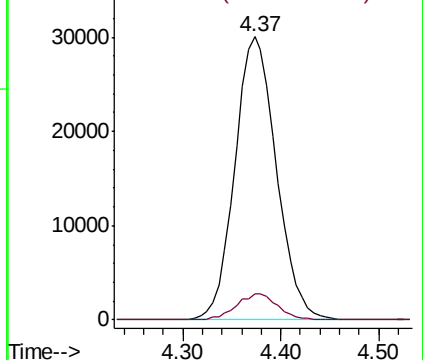
76 100

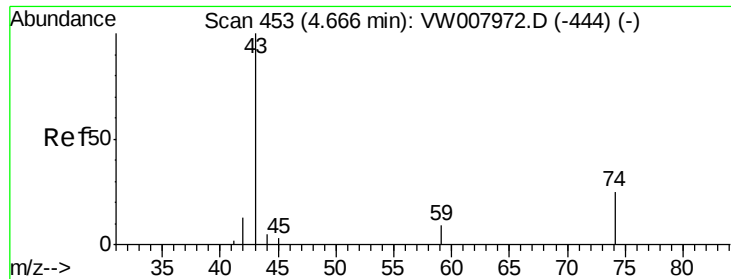
78 9.0 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

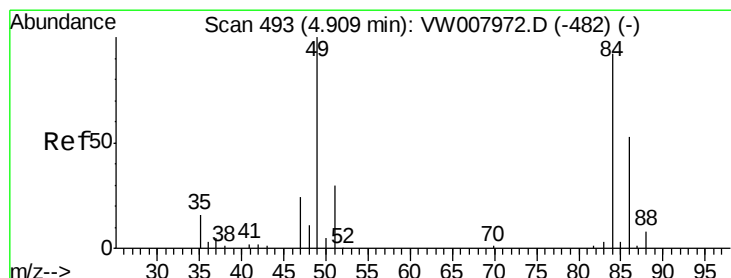
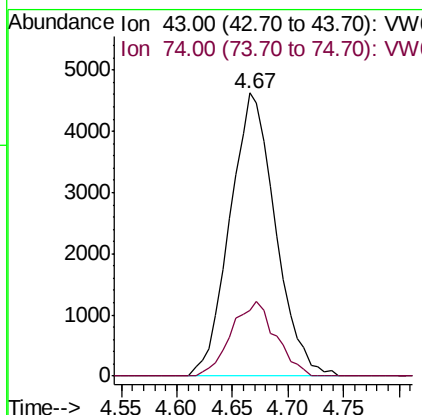
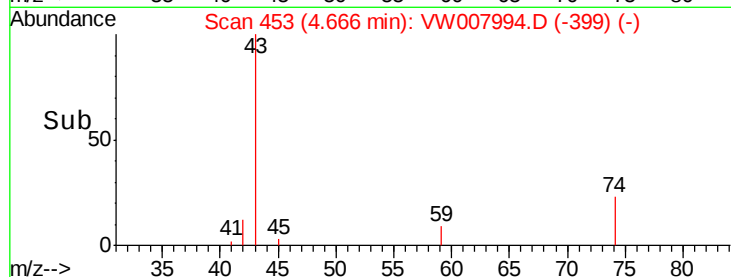
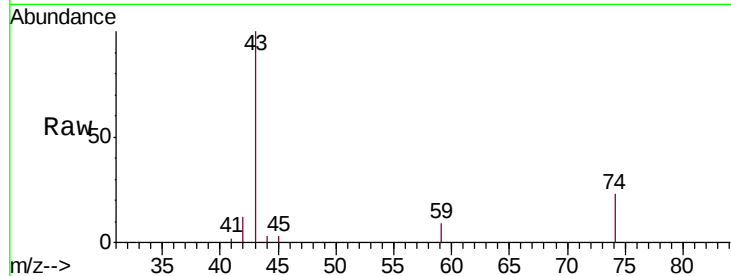




#15
Methyl Acetate
Concen: 20.907 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

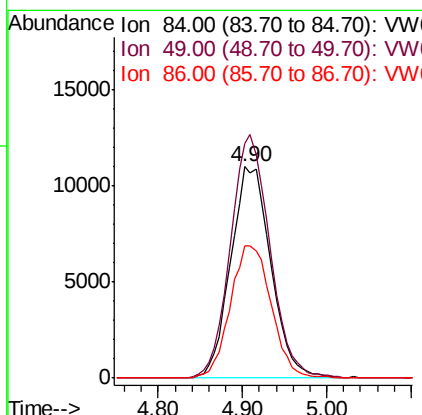
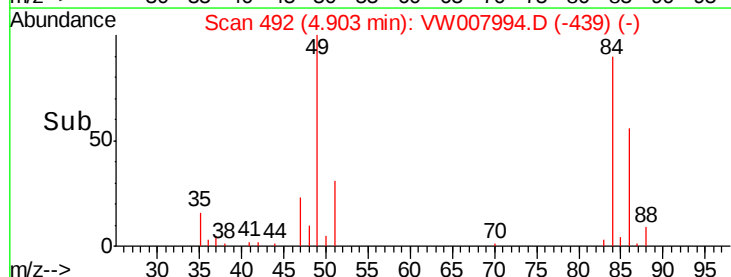
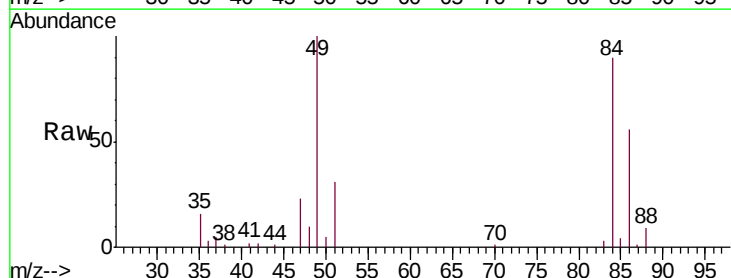
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

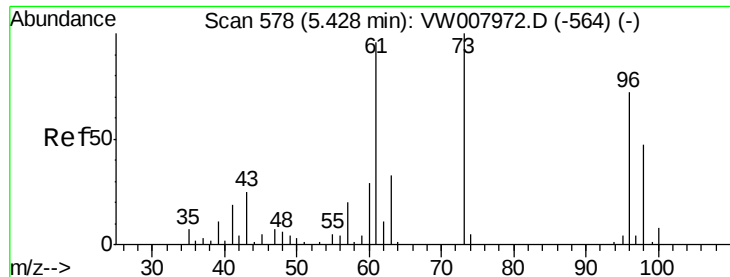
Tgt Ion: 43 Resp: 13133
Ion Ratio Lower Upper
43 100
74 25.7 20.2 30.2



#16
Methylene chloride
Concen: 21.995 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion: 84 Resp: 35777
Ion Ratio Lower Upper
84 100
49 111.1 79.2 147.0
86 62.5 43.2 80.2

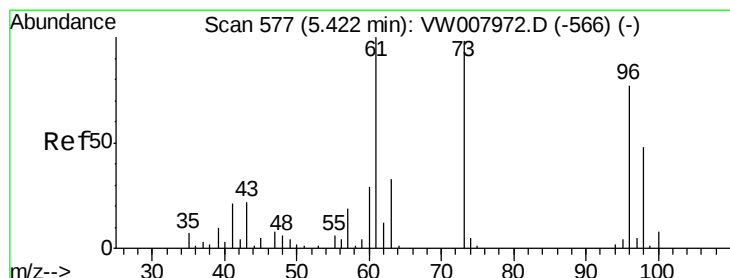
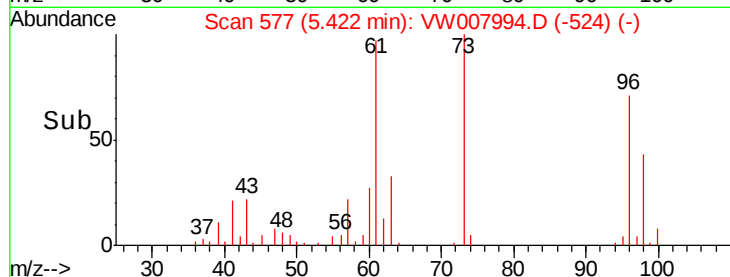
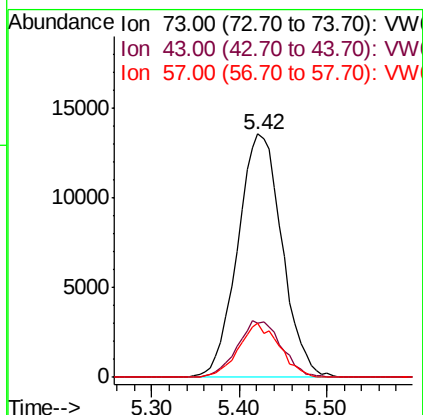
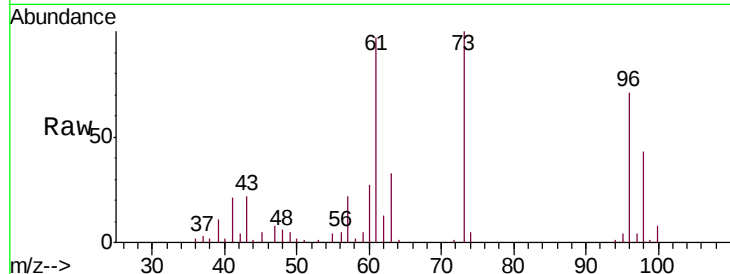




#17
Methyl tert-butyl Ether
Concen: 23.101 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

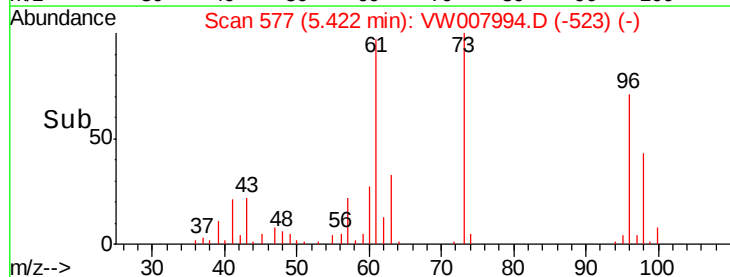
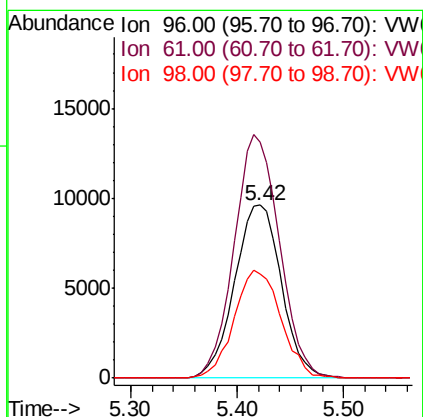
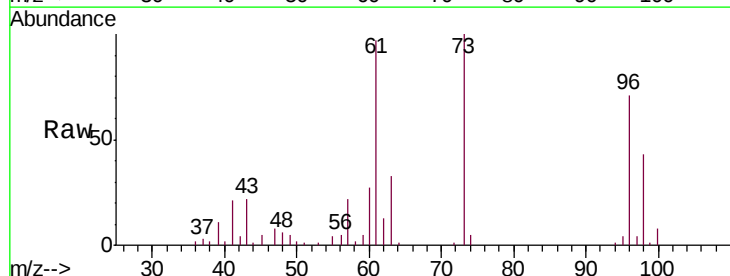
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

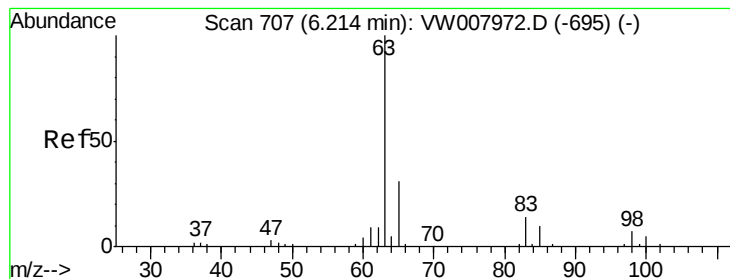
Tgt Ion: 73 Resp: 47714
Ion Ratio Lower Upper
73 100
43 23.2 18.5 27.7
57 20.6 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 23.545 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion: 96 Resp: 29679
Ion Ratio Lower Upper
96 100
61 136.0 91.4 169.8
98 59.9 48.0 89.2





#19

1,1-Dichloroethane

Concen: 23.464 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

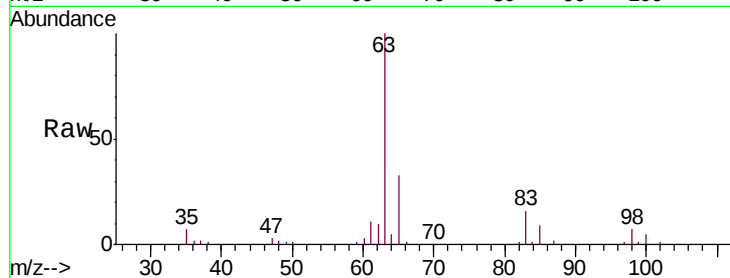
Tgt Ion: 63 Resp: 49205

Ion Ratio Lower Upper

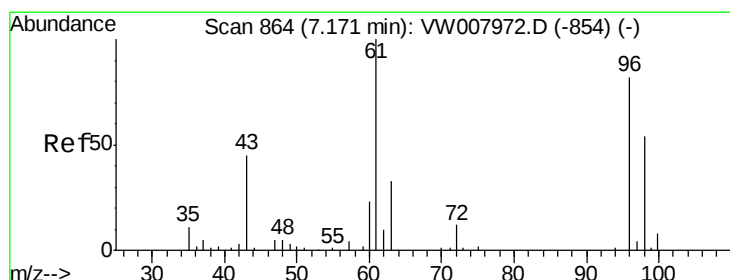
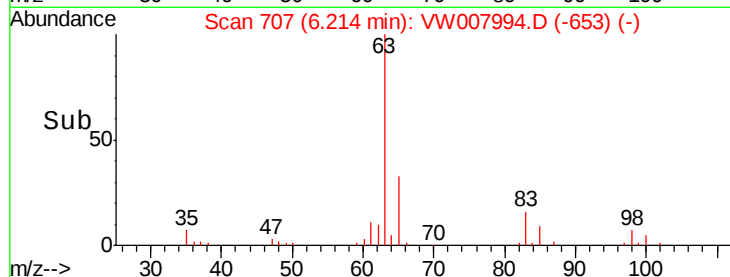
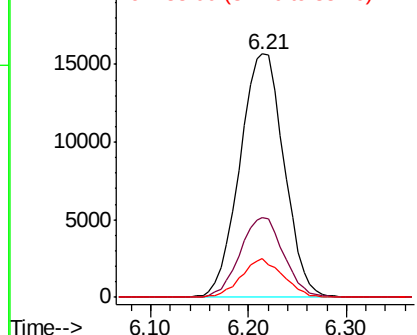
63 100

65 32.9 20.6 38.4

83 15.7 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: 39.621 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007994.D

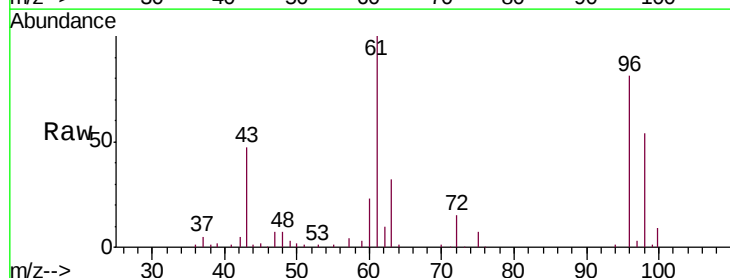
Acq: 28 Dec 2018 08:03

Tgt Ion: 43 Resp: 18610

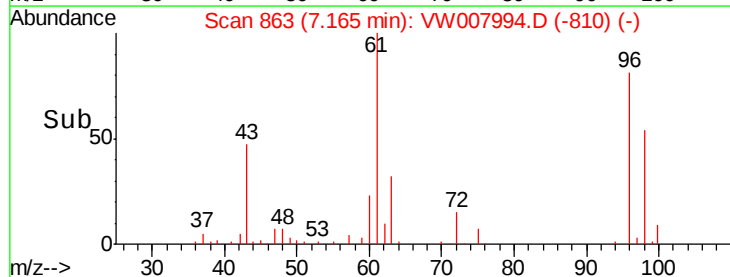
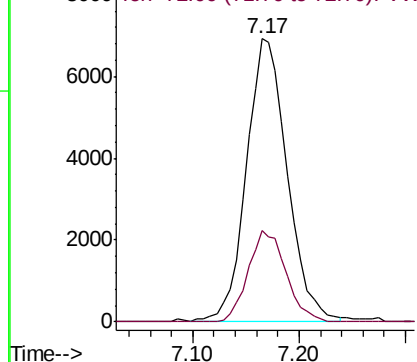
Ion Ratio Lower Upper

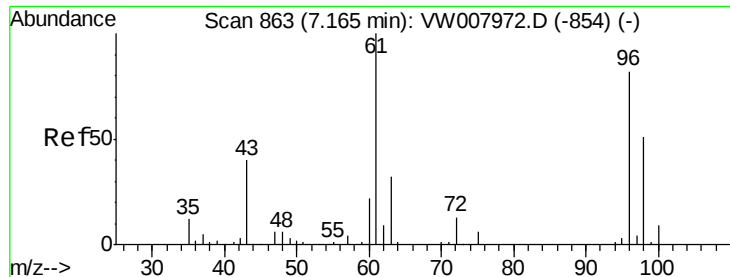
43 100

72 29.8 14.4 43.4



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



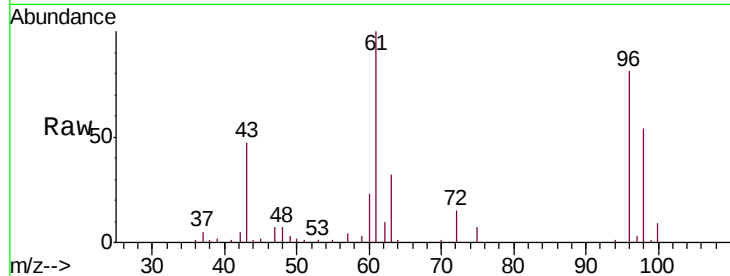


#22

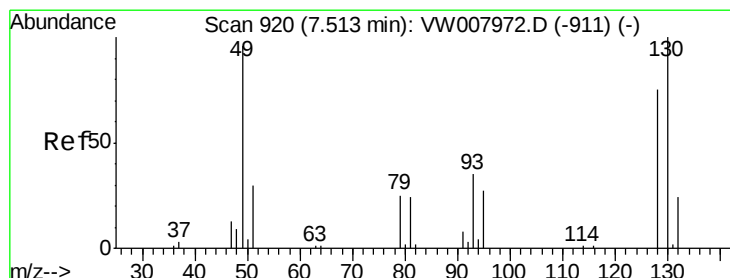
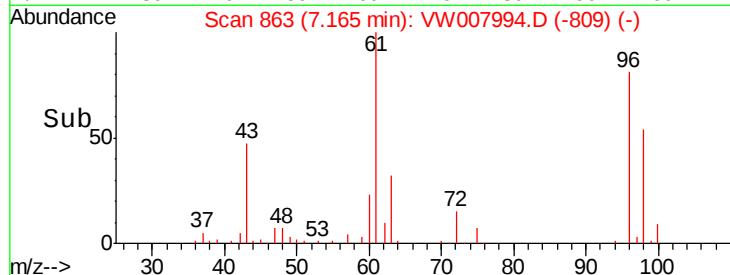
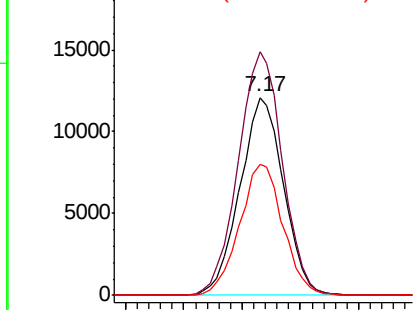
cis-1,2-Dichloroethene
Concen: 23.246 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion: 96 Resp: 31399
Ion Ratio Lower Upper
96 100
61 123.1 83.4 155.0
98 66.5 42.3 78.5



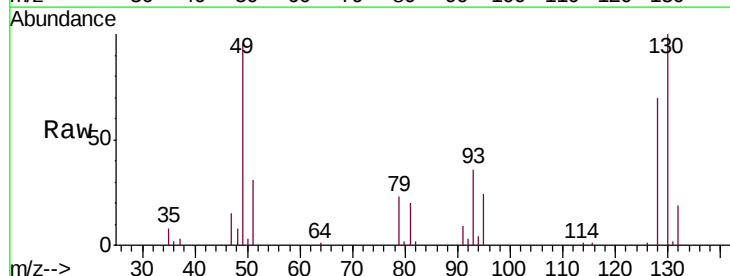
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



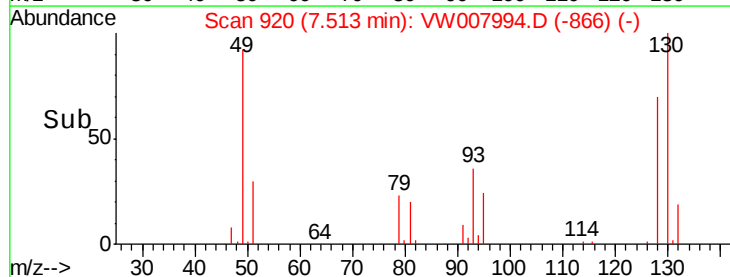
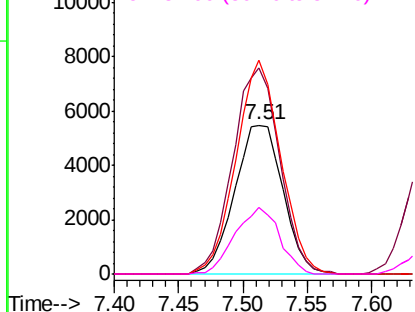
#23

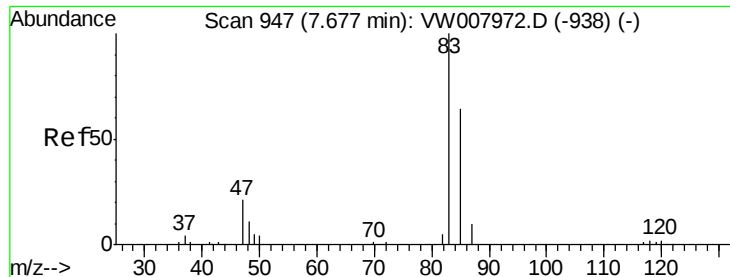
Bromochloromethane
Concen: 23.403 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion: 128 Resp: 14232
Ion Ratio Lower Upper
128 100
49 138.0 96.9 180.1
130 143.3 86.2 160.0
51 44.4 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

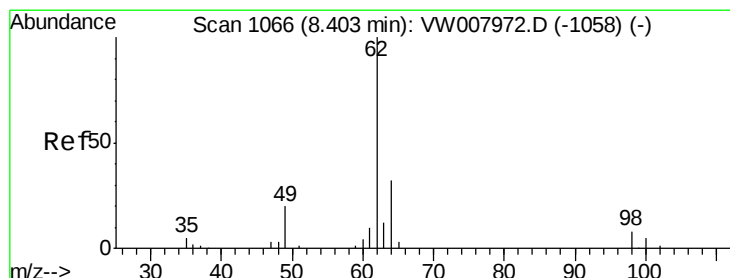
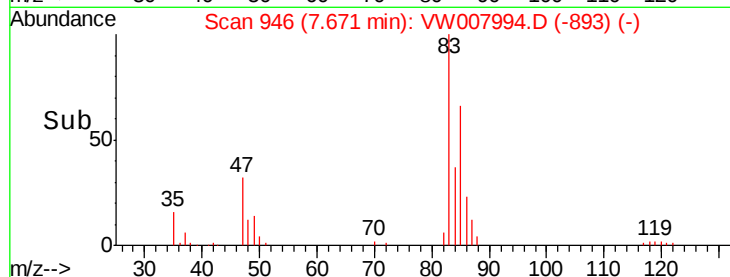
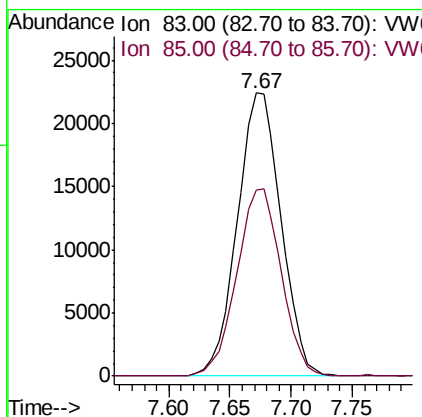
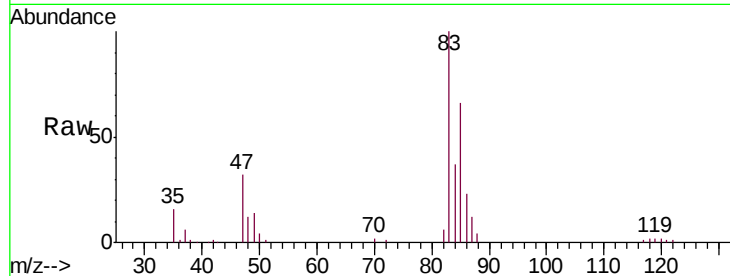




#25
Chloroform
Concen: 23.591 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

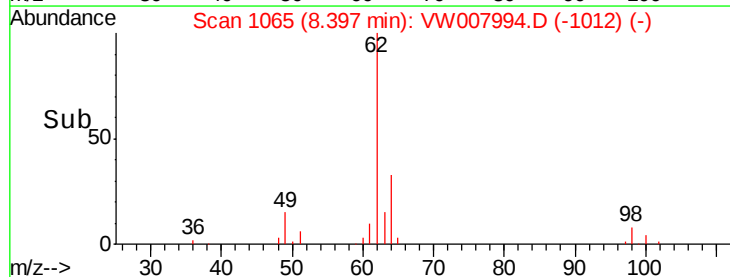
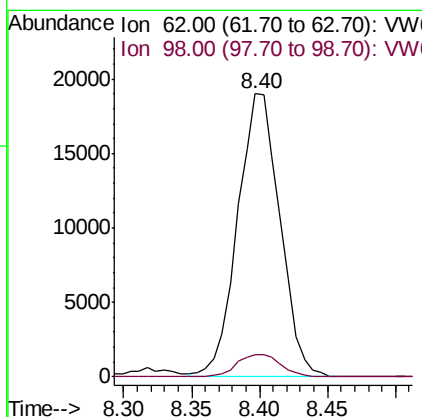
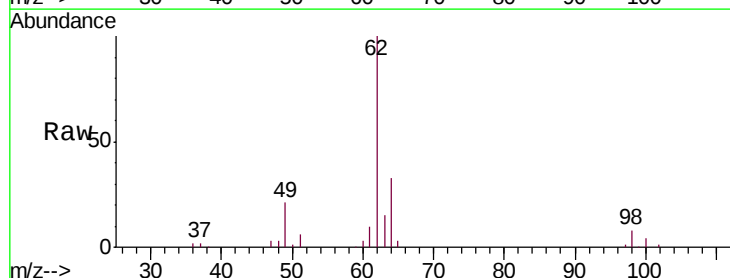
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

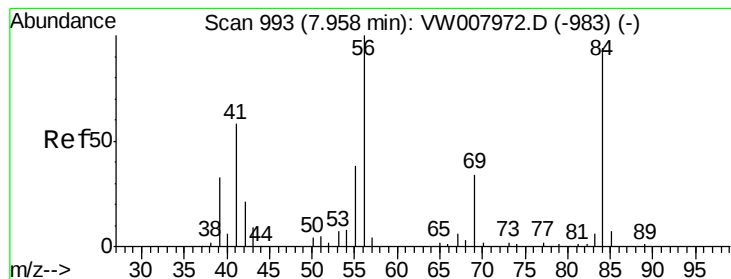
Tgt Ion: 83 Resp: 55717
Ion Ratio Lower Upper
83 100
85 67.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 23.929 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion: 62 Resp: 41450
Ion Ratio Lower Upper
62 100
98 8.0 5.4 8.2





#30

Cyclohexane

Concen: 22.290 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

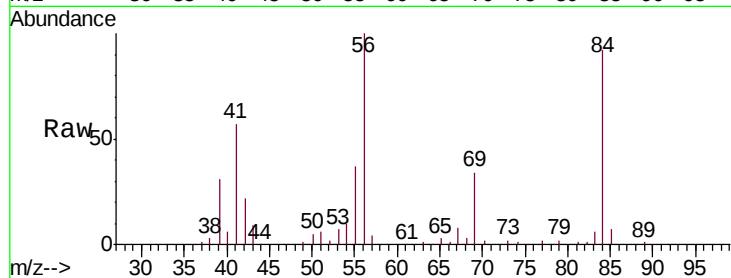
Tgt Ion: 56 Resp: 44506

Ion Ratio Lower Upper

56 100

69 34.5 26.2 39.4

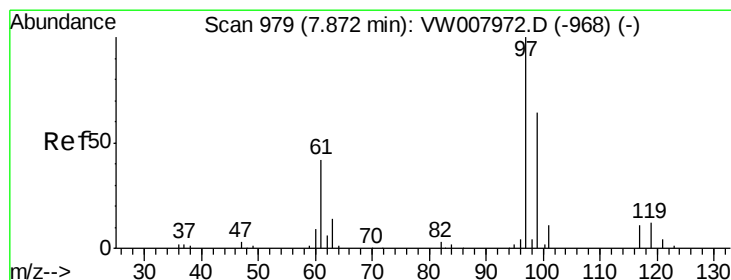
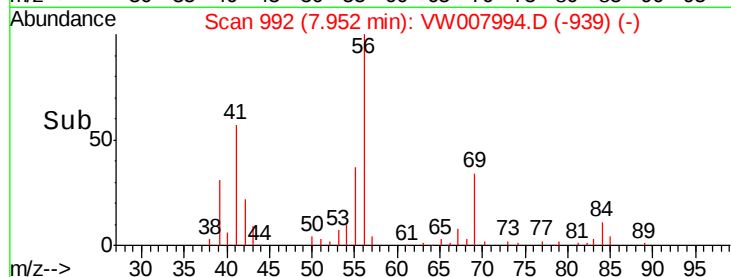
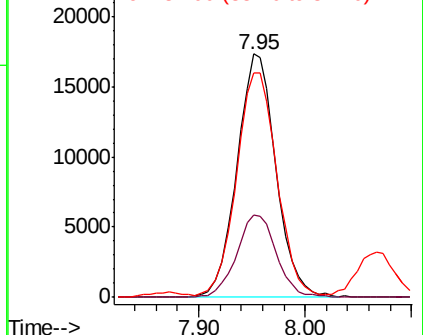
84 96.3 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 24.185 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

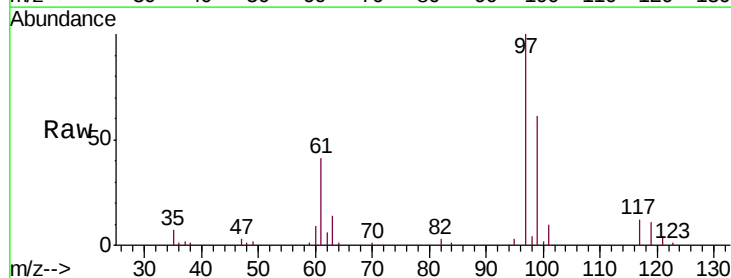
Tgt Ion: 97 Resp: 52624

Ion Ratio Lower Upper

97 100

99 65.0 52.3 78.5

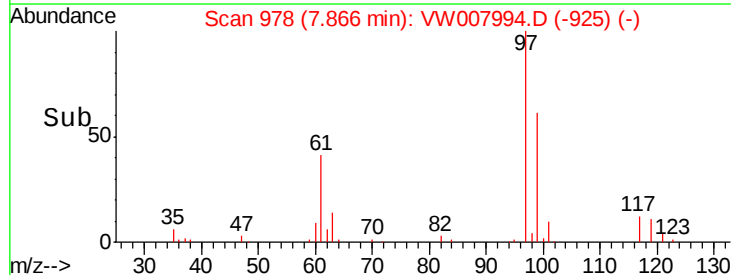
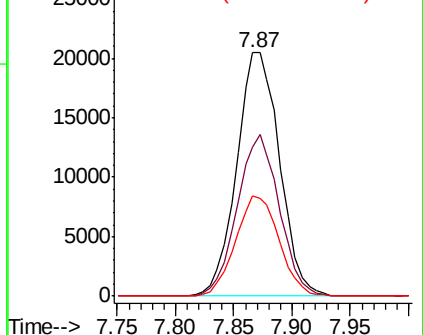
61 41.8 33.5 50.3

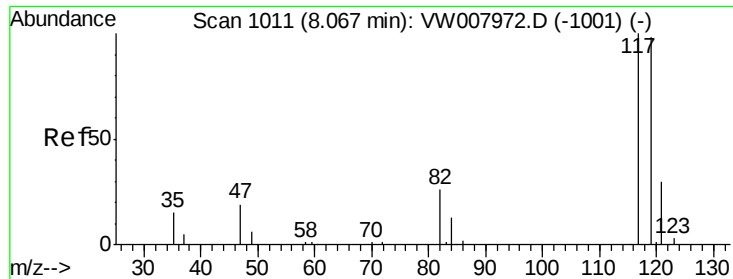


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.205 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

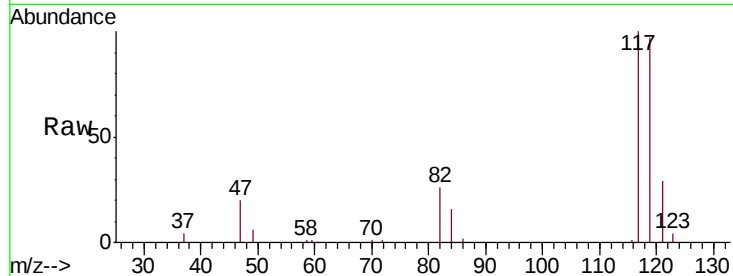
VSTD02594

Tgt Ion:117 Resp: 50565

Ion Ratio Lower Upper

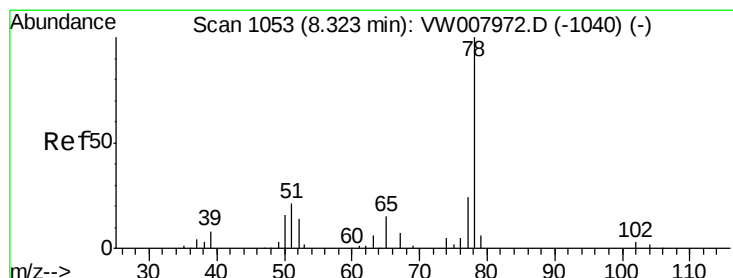
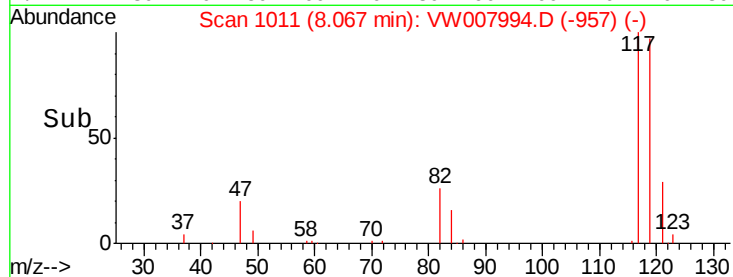
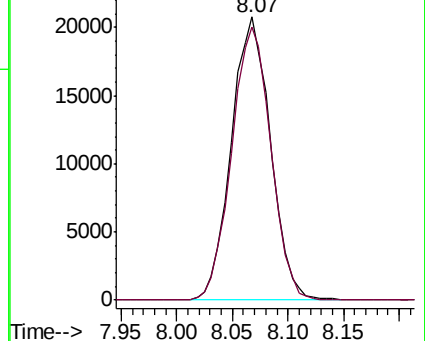
117 100

119 96.5 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: 23.858 ug/L

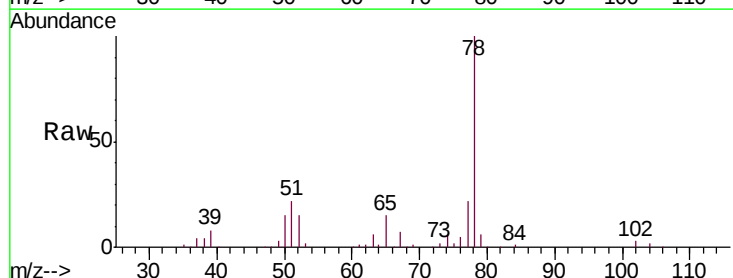
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

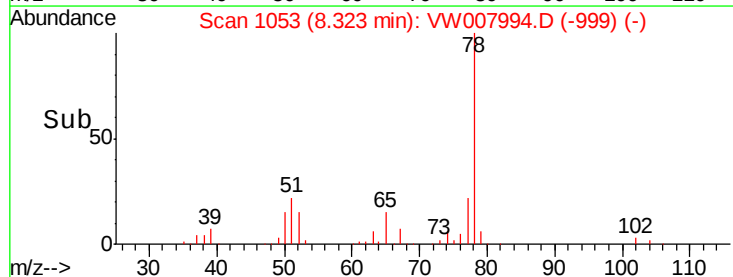
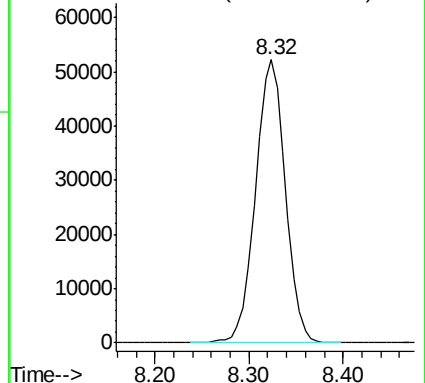
Lab File: VW007994.D

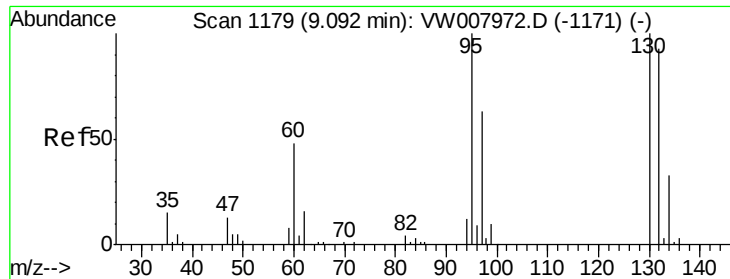
Acq: 28 Dec 2018 08:03

Tgt Ion: 78 Resp: 115867



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.788 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion: 95 Resp: 32153

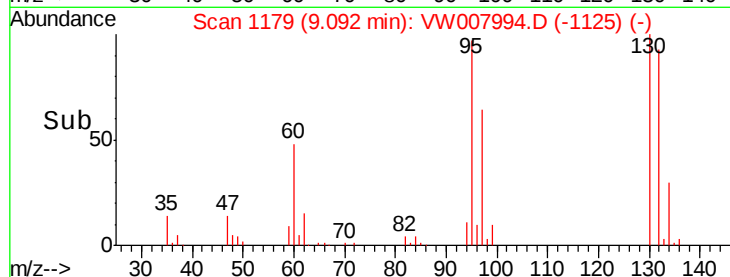
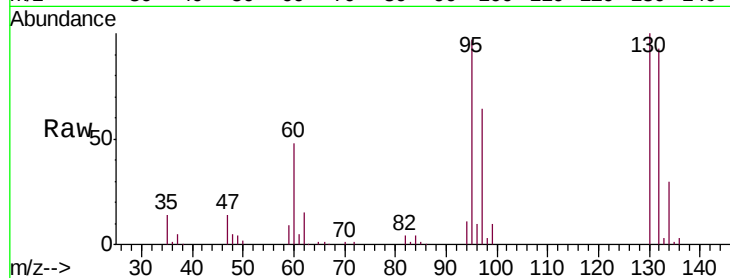
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.5

132 99.6 67.8 126.0

130 101.2 70.3 130.7

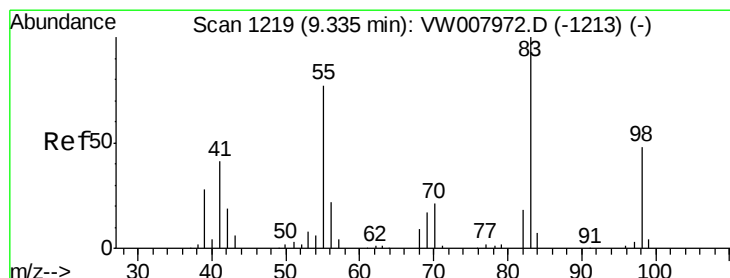
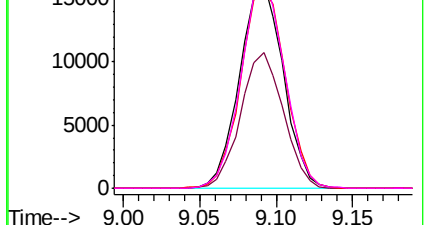


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 22.662 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

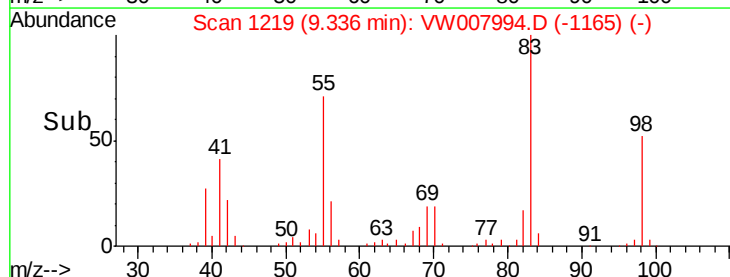
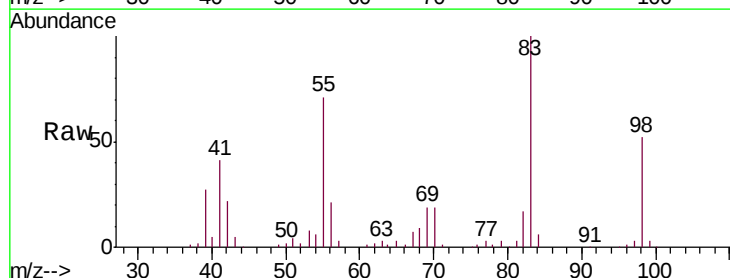
Tgt Ion: 83 Resp: 54833

Ion Ratio Lower Upper

83 100

55 72.3 59.4 89.0

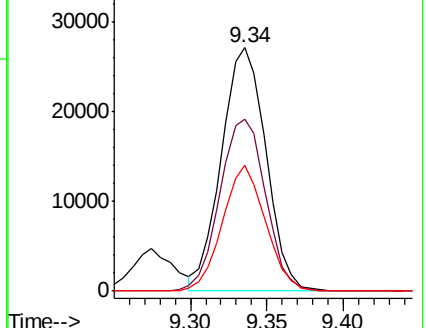
98 50.2 38.2 57.2

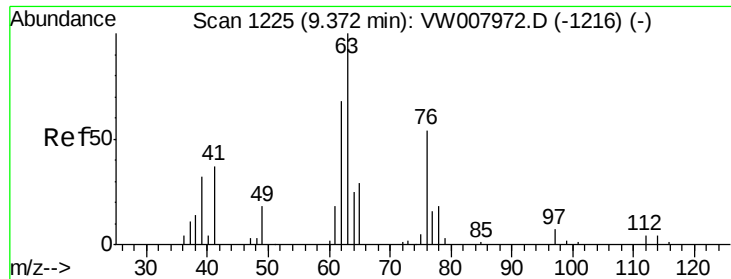


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

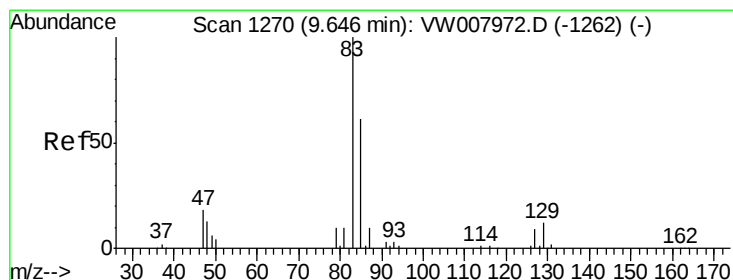
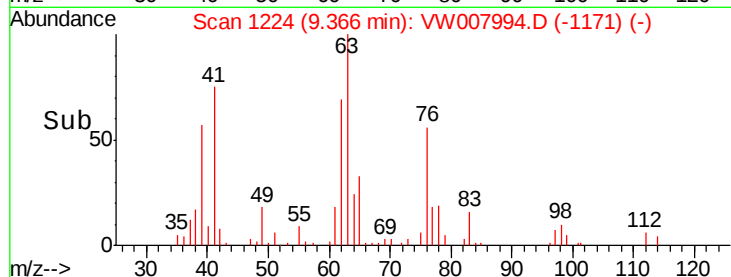
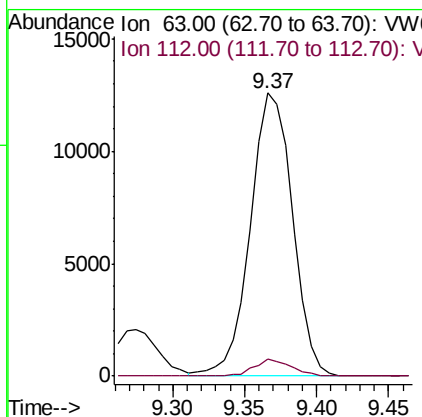
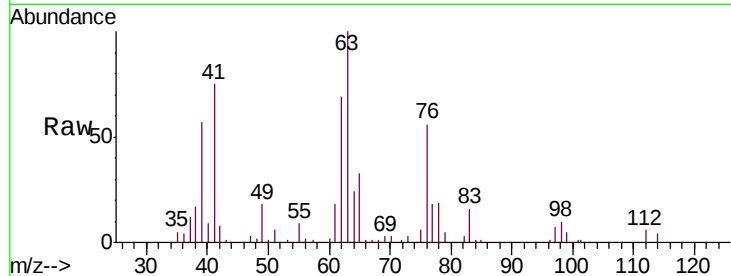




#40
 1,2-Dichloropropane
 Concen: 22.402 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007994.D
 Acq: 28 Dec 2018 08:03

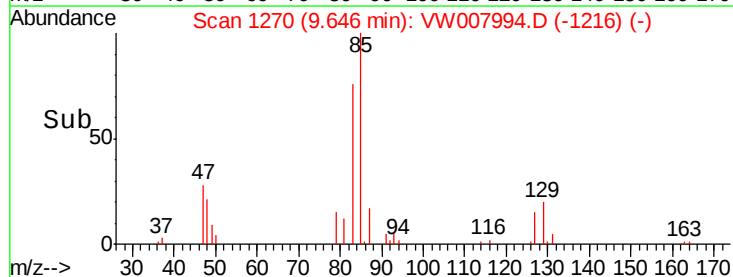
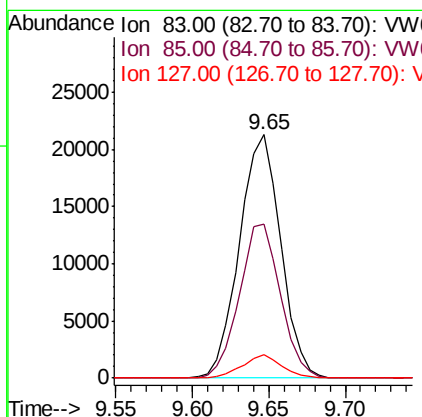
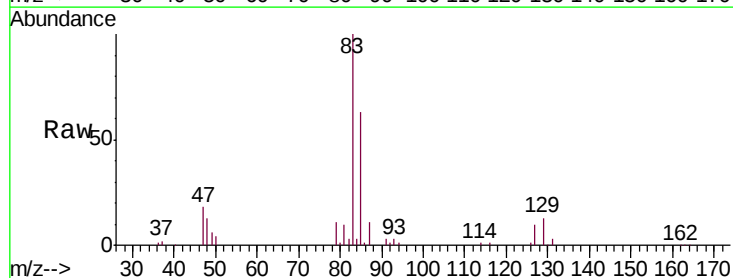
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

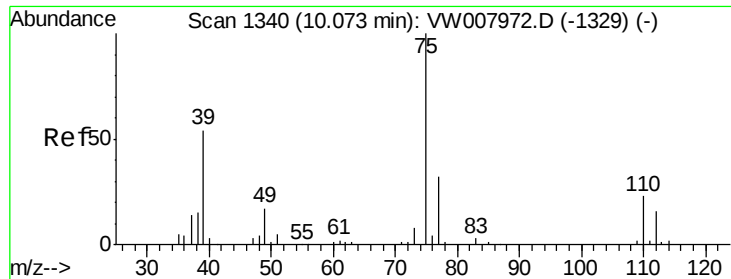
Tgt Ion: 63 Resp: 25574
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.7 5.5



#41
 Bromodichloromethane
 Concen: 23.827 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007994.D
 Acq: 28 Dec 2018 08:03

Tgt Ion: 83 Resp: 40004
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.4 82.5
 127 9.7 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 23.215 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampled :

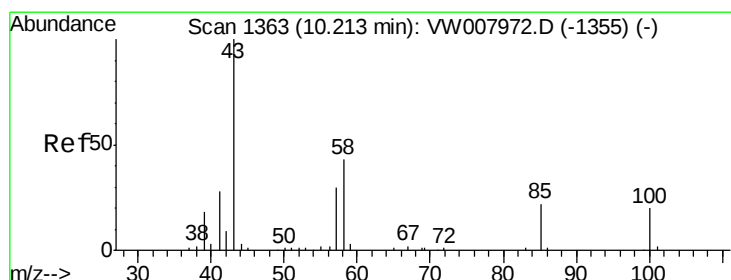
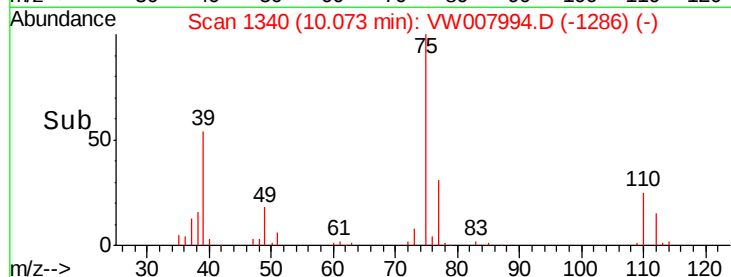
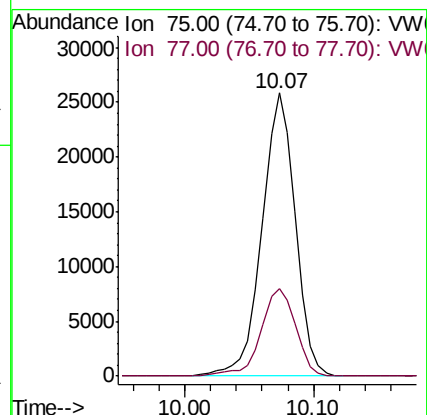
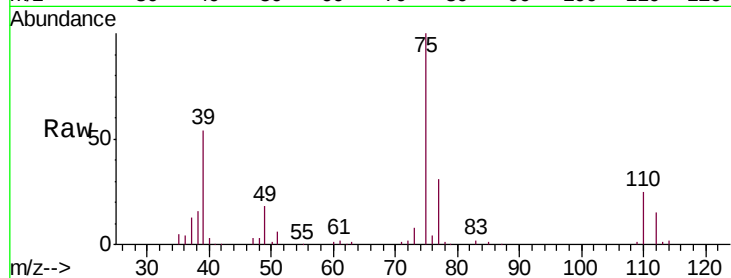
VSTD02594

Tgt Ion: 75 Resp: 46261

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 38.956 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

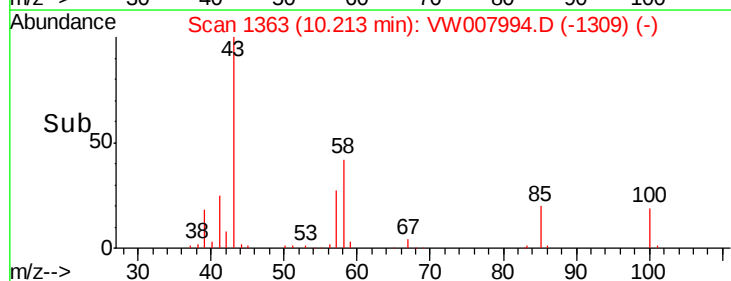
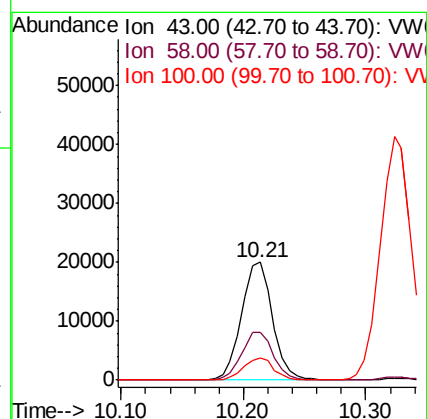
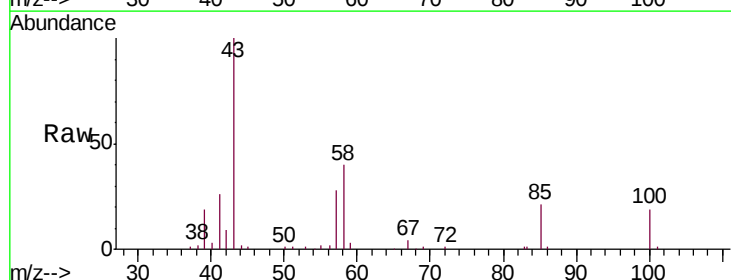
Tgt Ion: 43 Resp: 35198

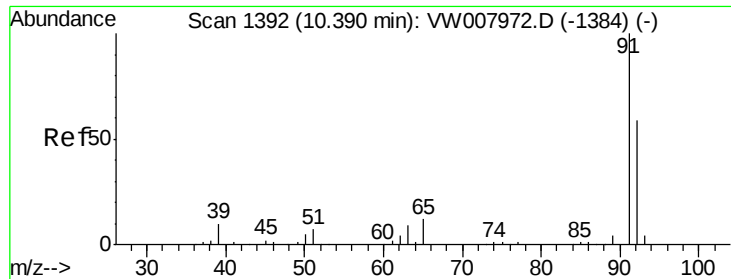
Ion Ratio Lower Upper

43 100

58 40.9 31.1 46.7

100 18.2 14.0 21.0





#44

Toluene

Concen: 23.267 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

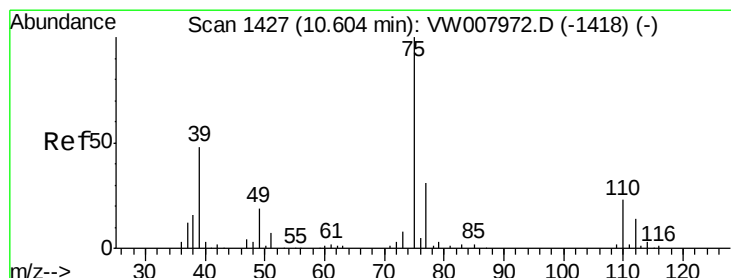
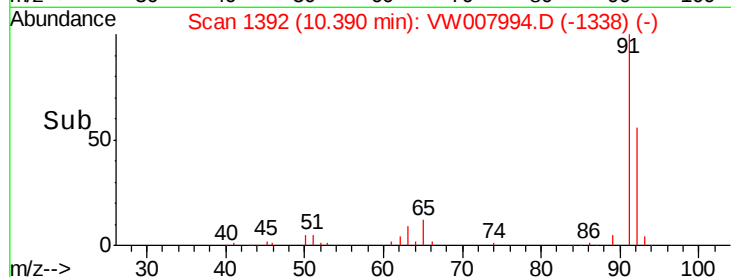
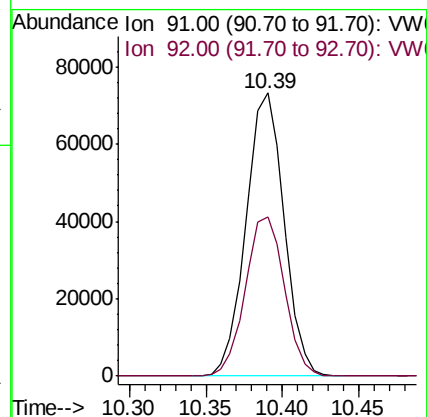
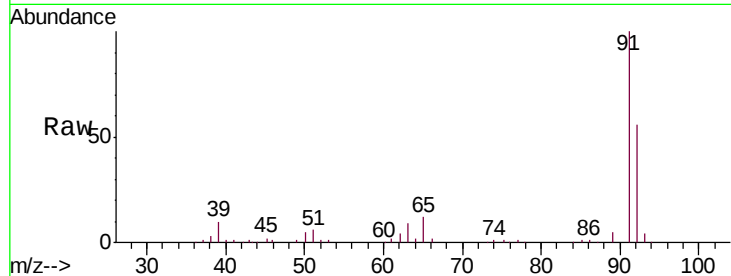
VSTD02594

Tgt Ion: 91 Resp: 126420

Ion Ratio Lower Upper

91 100

92 56.3 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 22.460 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007994.D

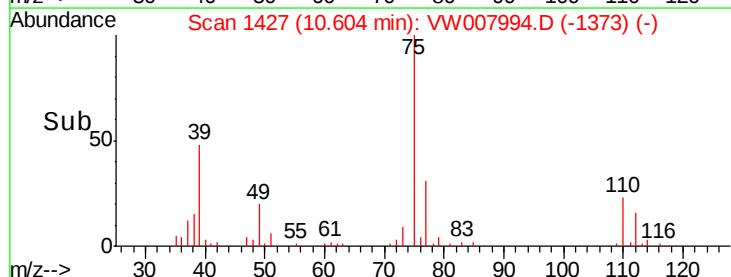
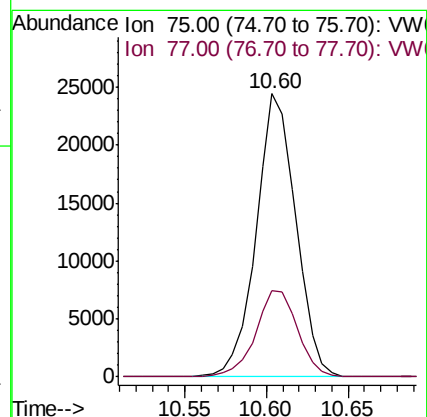
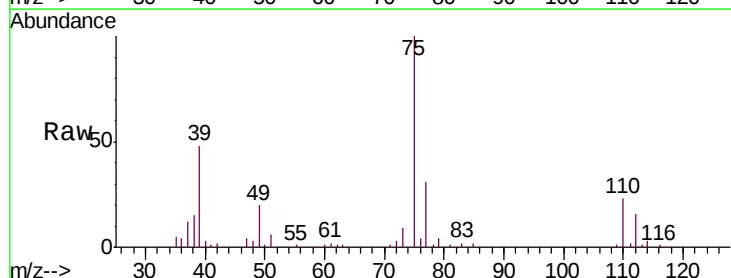
Acq: 28 Dec 2018 08:03

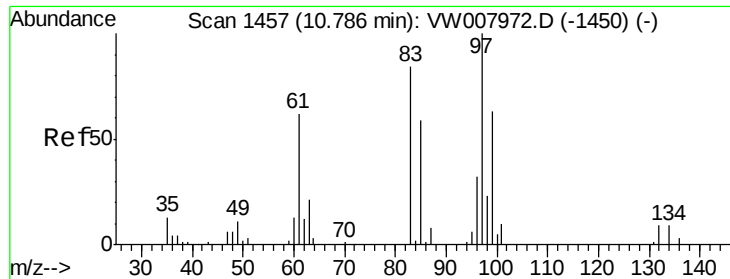
Tgt Ion: 75 Resp: 41241

Ion Ratio Lower Upper

75 100

77 30.5 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 22.278 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion: 97 Resp: 21516

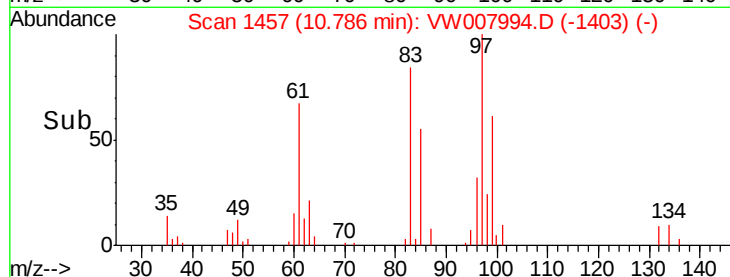
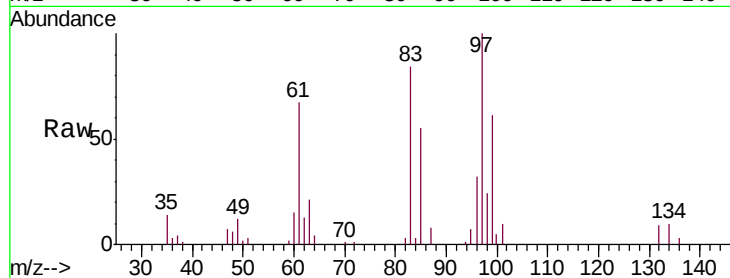
Ion Ratio Lower Upper

97 100

83 84.3 58.4 108.6

85 54.8 36.4 67.6

99 60.8 43.8 81.3



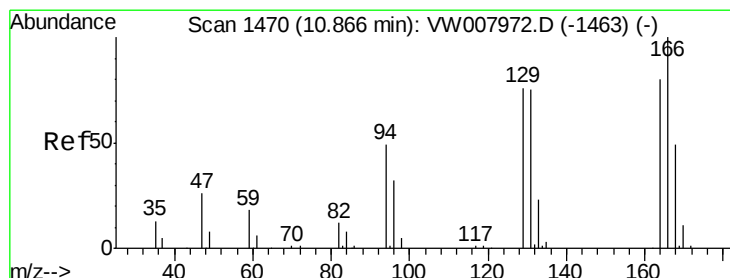
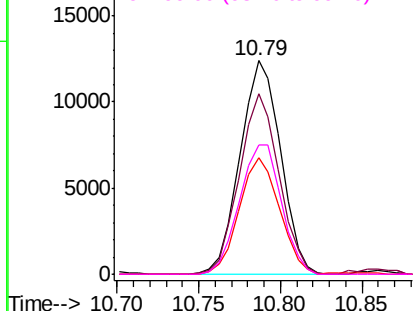
Abundance

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: 22.502 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Tgt Ion: 164 Resp: 25226

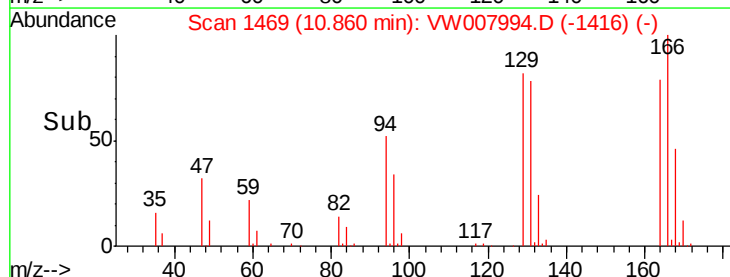
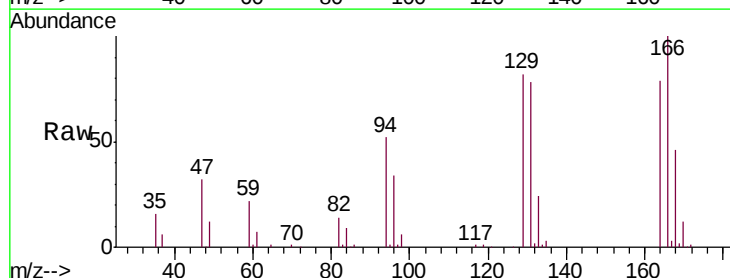
Ion Ratio Lower Upper

164 100

129 103.9 70.6 131.2

131 99.0 66.5 123.5

166 126.3 87.7 162.9



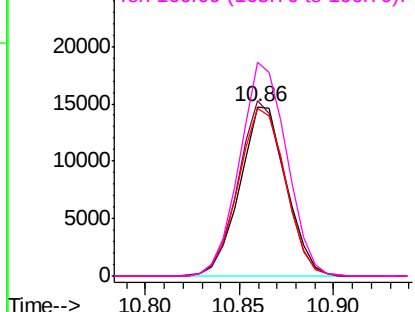
Abundance

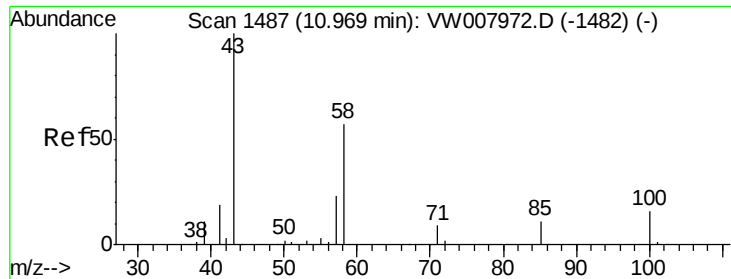
Ion 164.00 (163.70 to 164.70): V

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

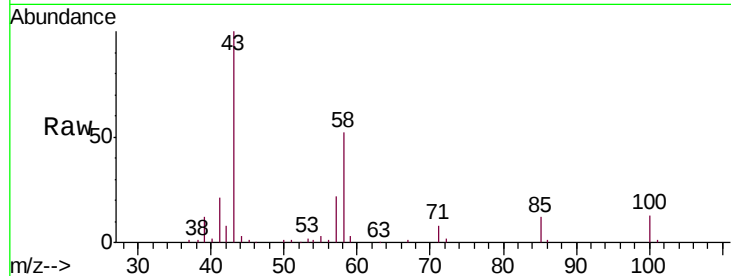




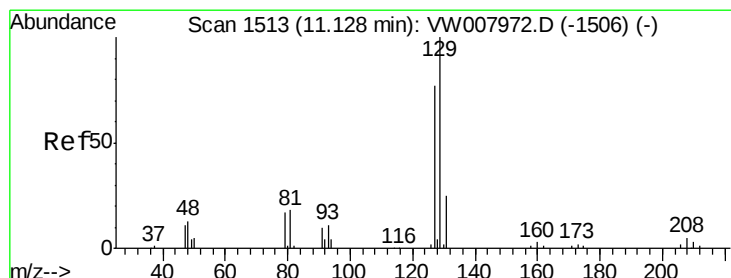
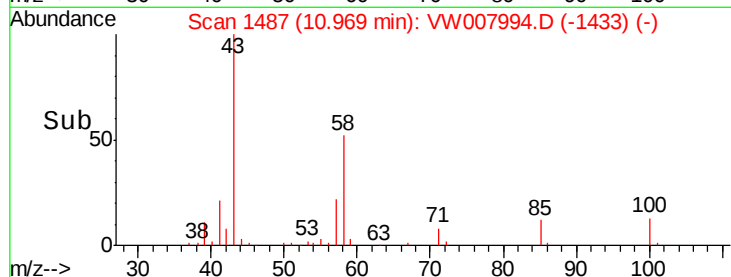
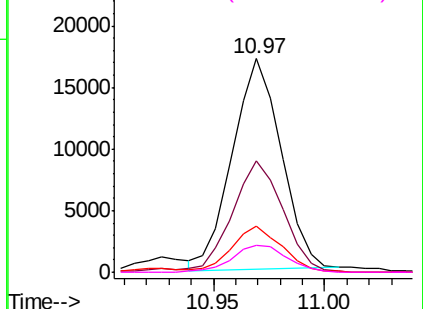
#49
2-Hexanone
Concen: 40.156 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Instrument :
MSVOA_W
ClientSampled :
VSTD02594

Tgt Ion:	43	Resp:	26177
Ion	Ratio	Lower	Upper
43	100		
58	54.7	46.2	69.4
57	22.2	17.9	26.9
100	14.5	11.4	17.2

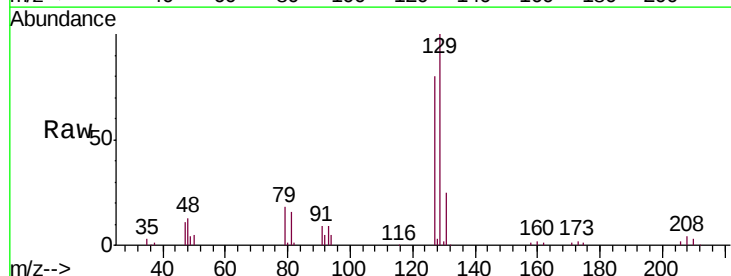


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

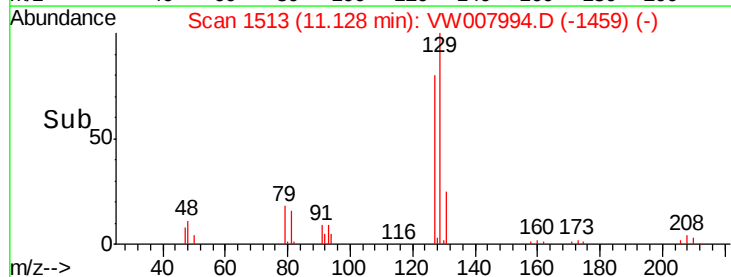
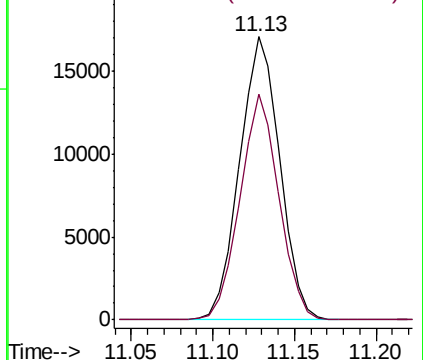


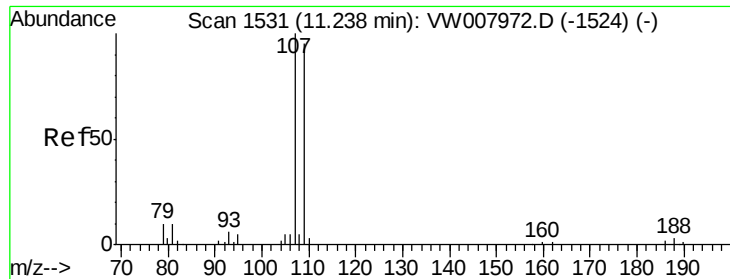
#50
Dibromochloromethane
Concen: 23.806 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion:	129	Resp:	29292
Ion	Ratio	Lower	Upper
129	100		
127	79.9	55.8	103.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

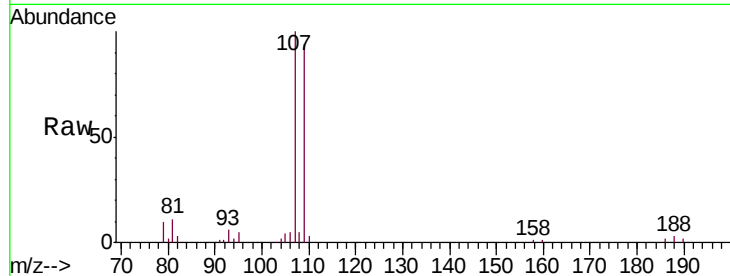




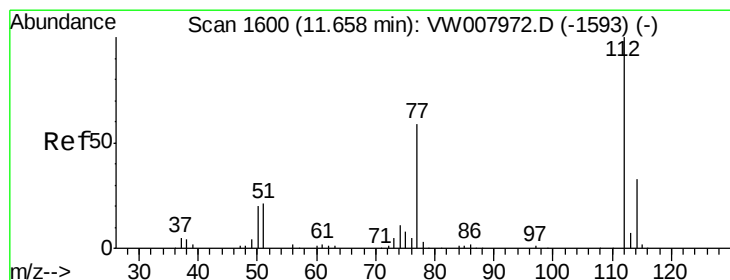
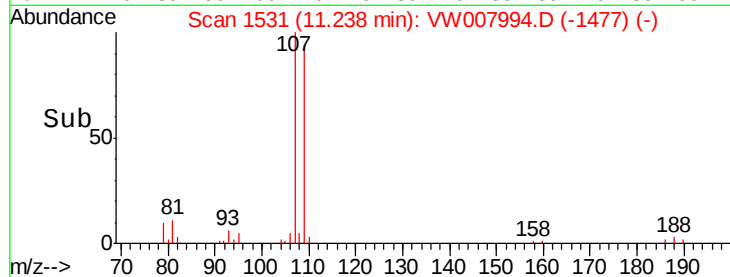
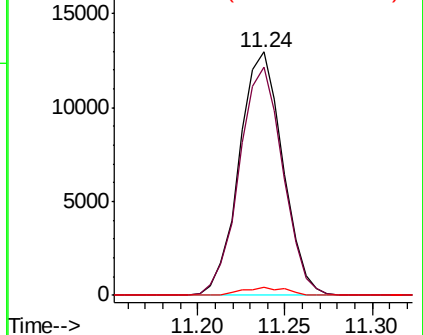
#51
1,2-Dibromoethane
Concen: 22.773 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion:107 Resp: 22448
Ion Ratio Lower Upper
107 100
109 94.0 63.2 117.4
188 3.4 3.1 4.7

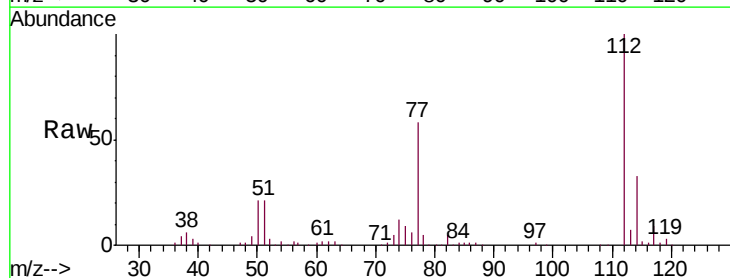


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

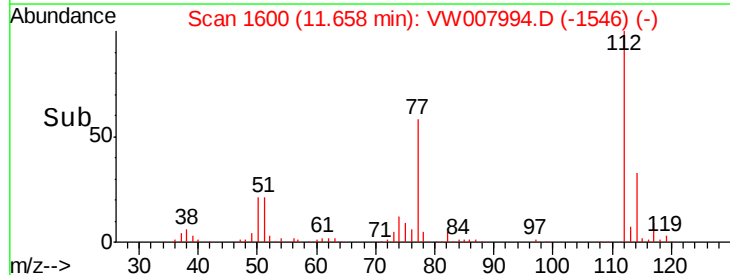
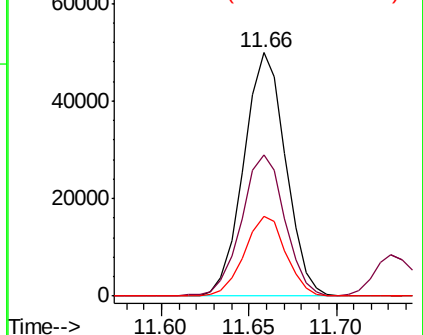


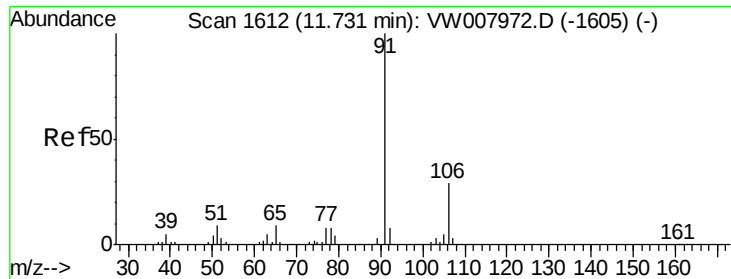
#52
Chlorobenzene
Concen: 23.556 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion:112 Resp: 83319
Ion Ratio Lower Upper
112 100
77 57.8 47.8 71.6
114 32.8 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 23.934 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampled :

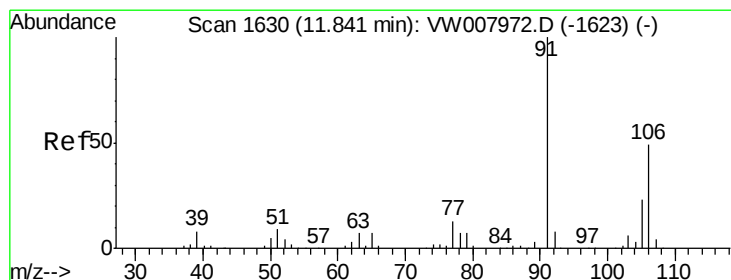
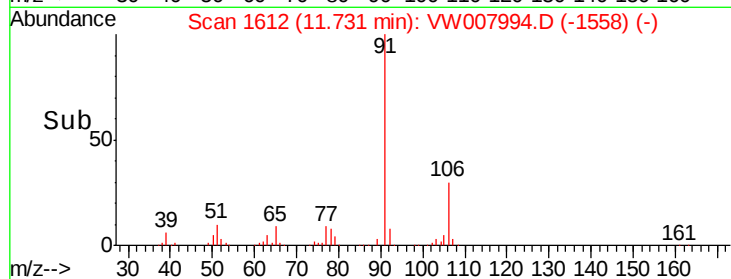
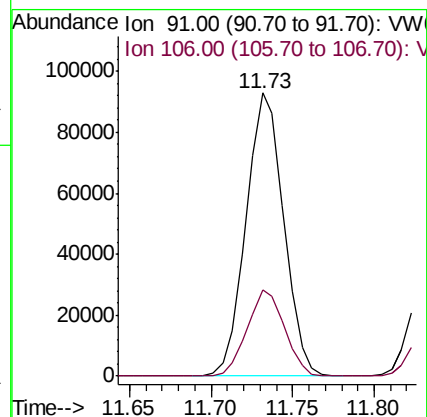
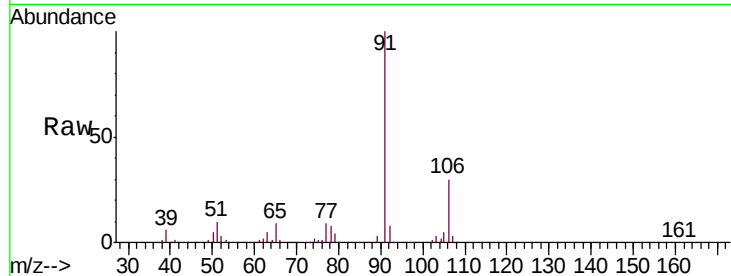
VSTD02594

Tgt Ion: 91 Resp: 149415

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#54

m,p-Xylene

Concen: 24.148 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007994.D

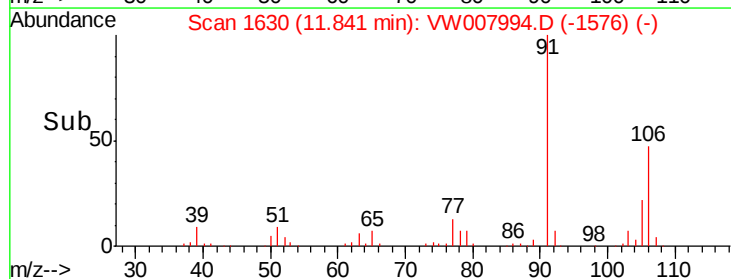
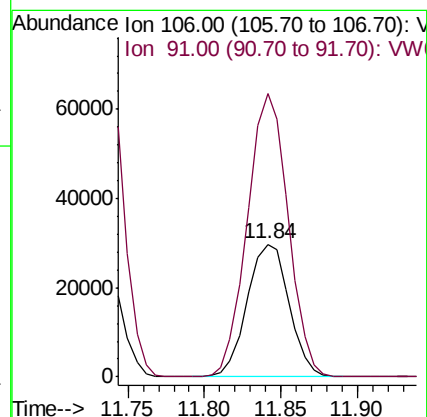
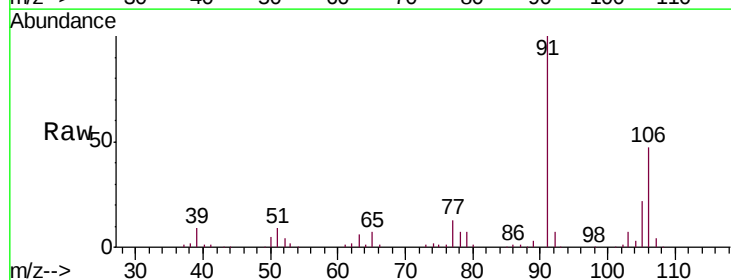
Acq: 28 Dec 2018 08:03

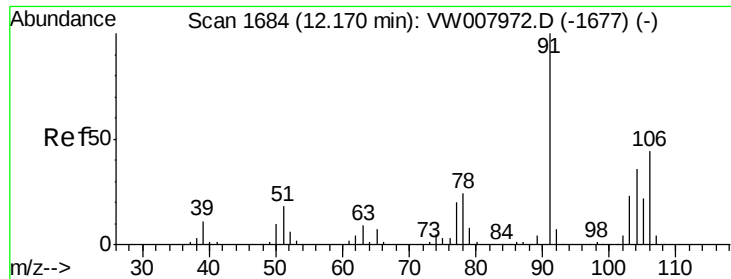
Tgt Ion: 106 Resp: 56796

Ion Ratio Lower Upper

106 100

91 213.8 147.8 274.4

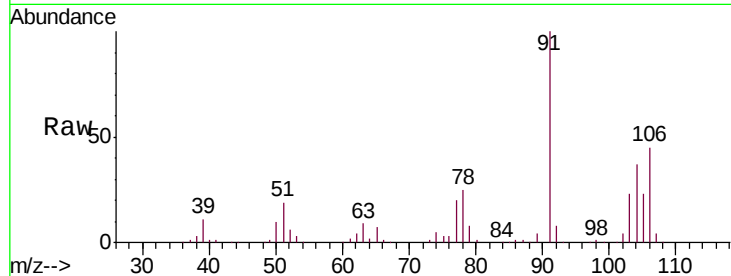




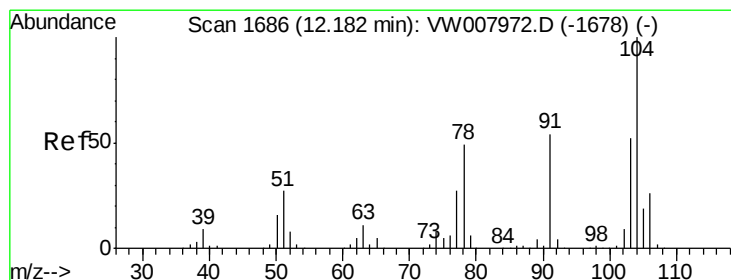
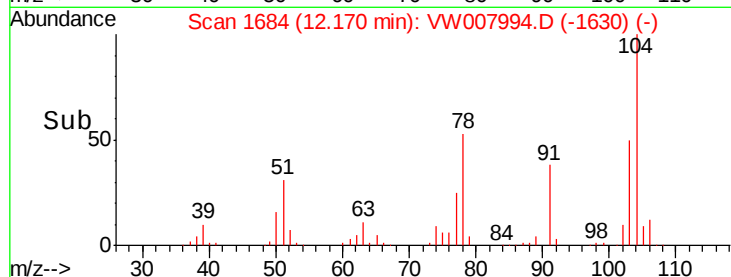
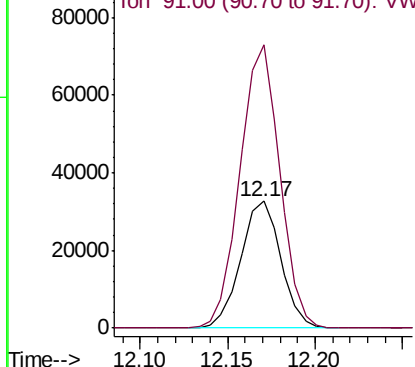
#55
o-xylene
Concen: 23.514 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion:106 Resp: 52451
Ion Ratio Lower Upper
106 100
91 222.6 156.0 289.6

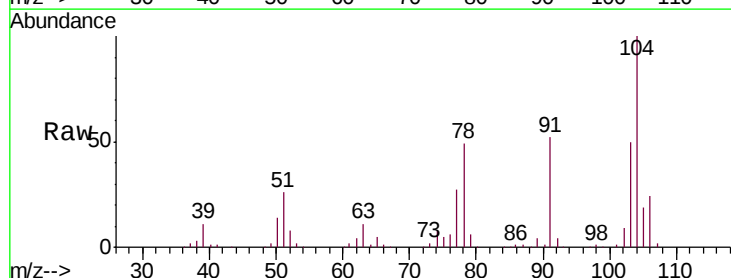


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

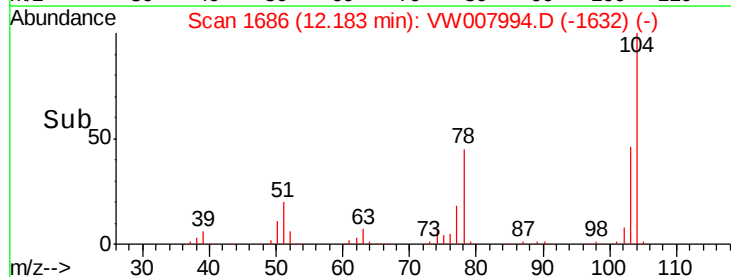
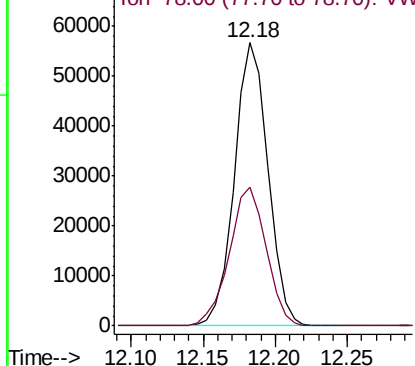


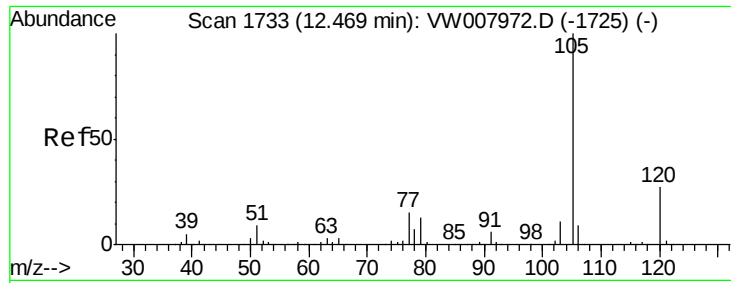
#56
Styrene
Concen: 24.330 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion:104 Resp: 91987
Ion Ratio Lower Upper
104 100
78 49.0 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: 23.679 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

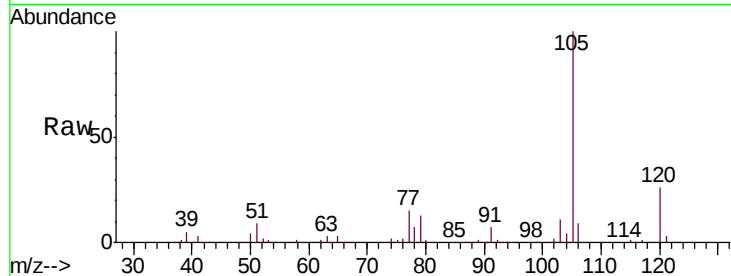
Tgt Ion: 105 Resp: 149619

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

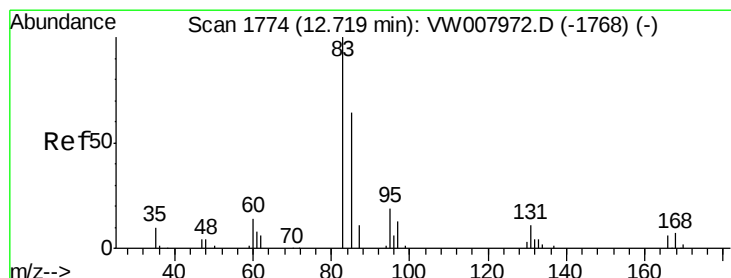
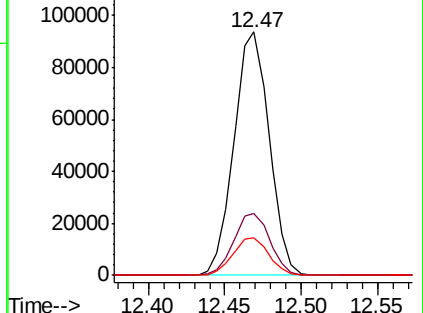
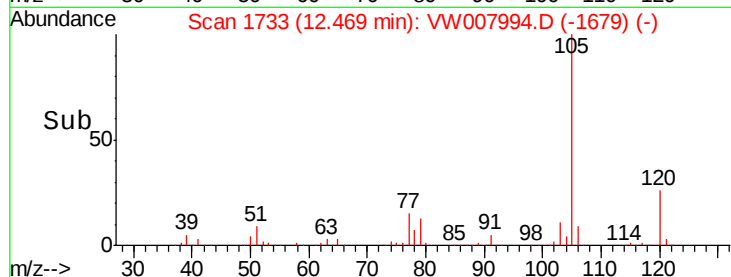
77 15.8 12.4 18.6



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: 21.610 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

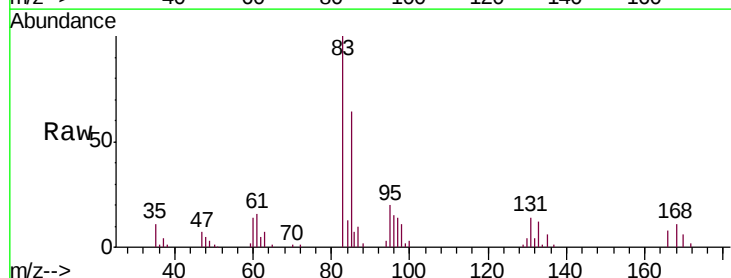
Tgt Ion: 83 Resp: 25878

Ion Ratio Lower Upper

83 100

85 64.0 46.6 86.6

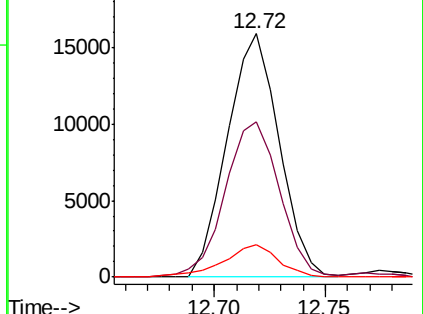
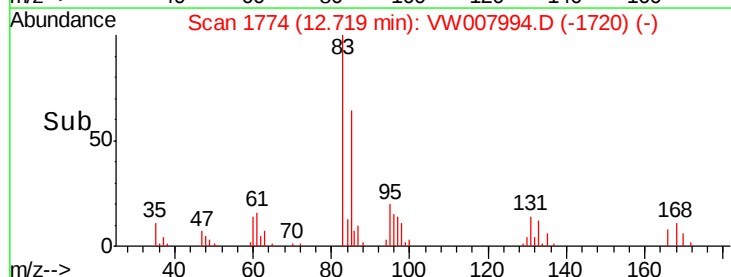
131 13.5 9.7 14.5

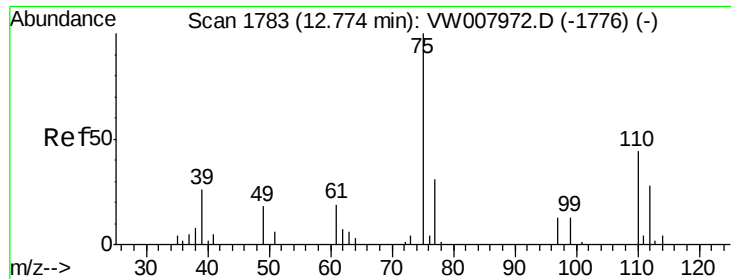


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.774 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

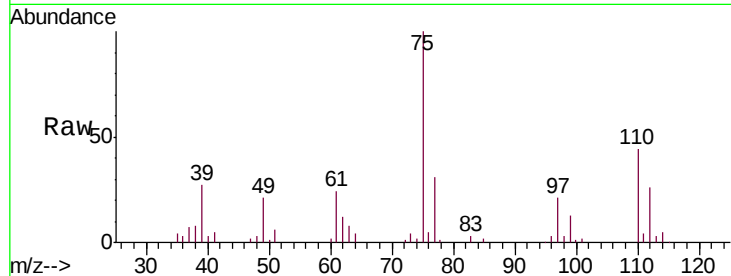
VSTD02594

Tgt Ion: 75 Resp: 20973

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

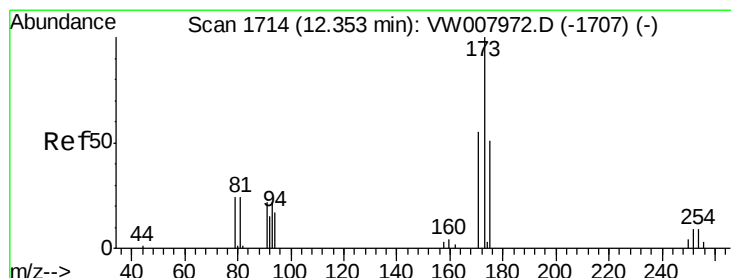
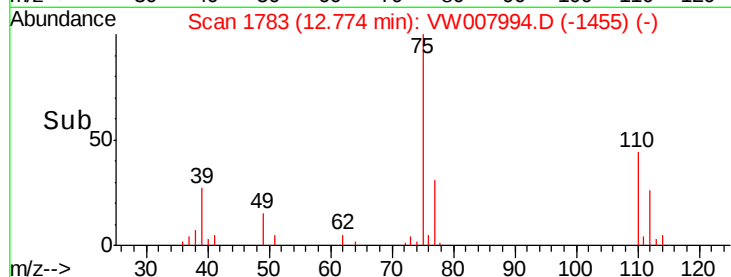
15000

10000

5000

0

Time--> 12.70 12.75 12.80



#62

Bromoform

Concen: 23.229 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

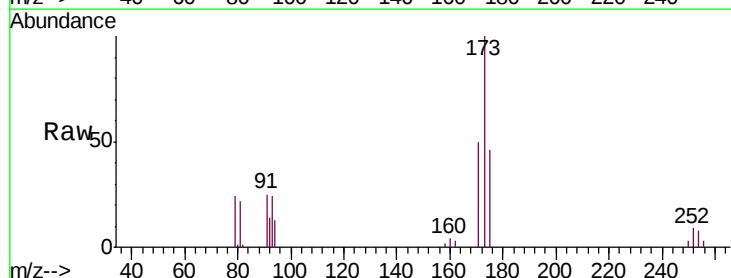
Tgt Ion: 173 Resp: 16578

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 8.0 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

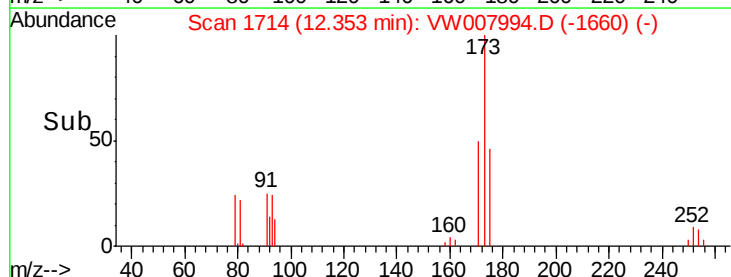
12.35

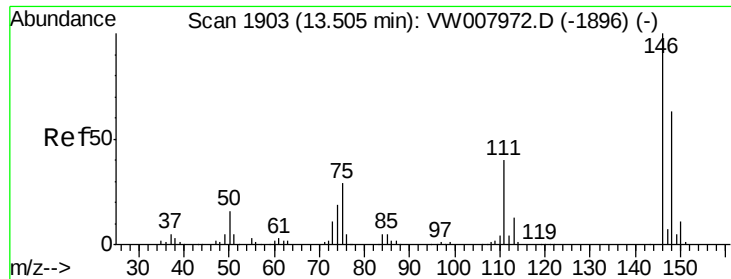
10000

5000

0

Time--> 12.30 12.35 12.40





#63

1,3-Dichlorobenzene

Concen: 23.129 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

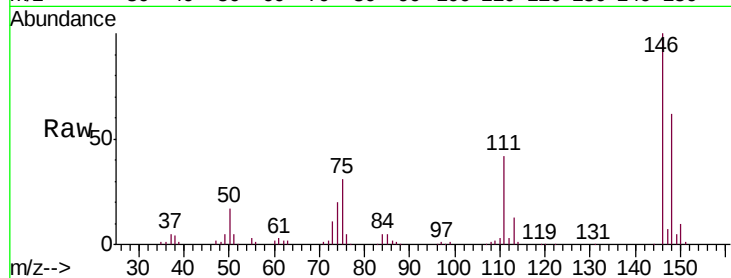
Tgt Ion:146 Resp: 66939

Ion Ratio Lower Upper

146 100

111 42.4 31.0 57.6

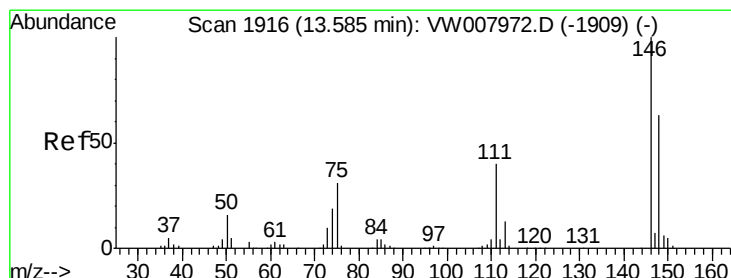
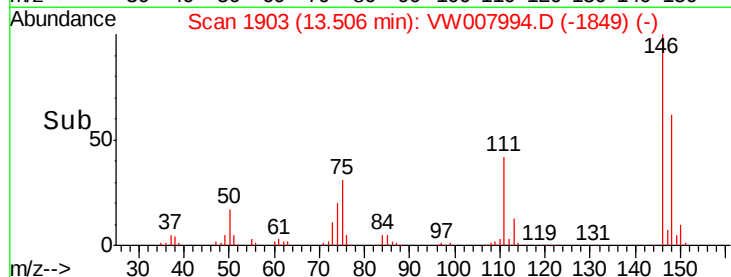
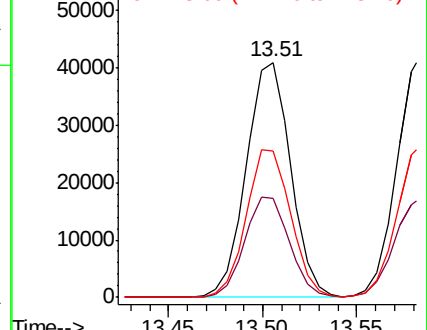
148 62.3 43.6 81.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.474 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

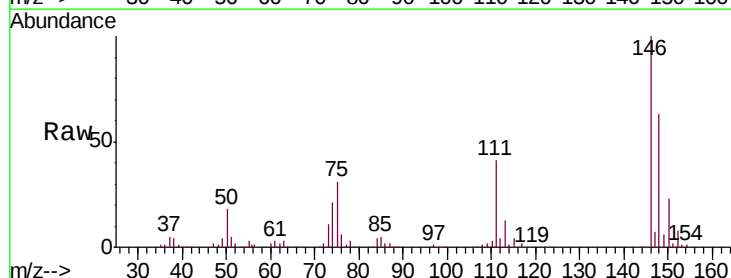
Tgt Ion:146 Resp: 67562

Ion Ratio Lower Upper

146 100

111 40.9 26.9 49.9

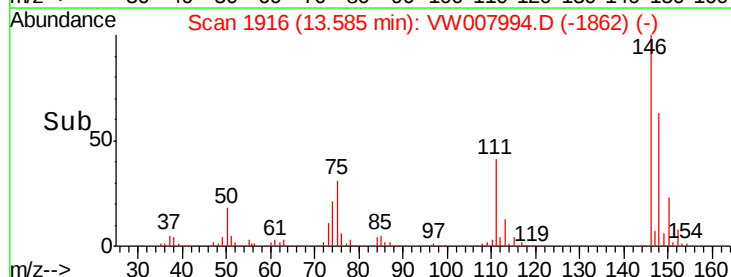
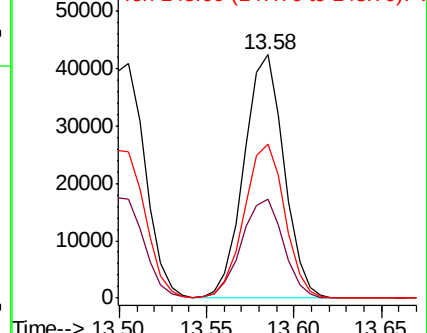
148 63.1 41.6 77.3

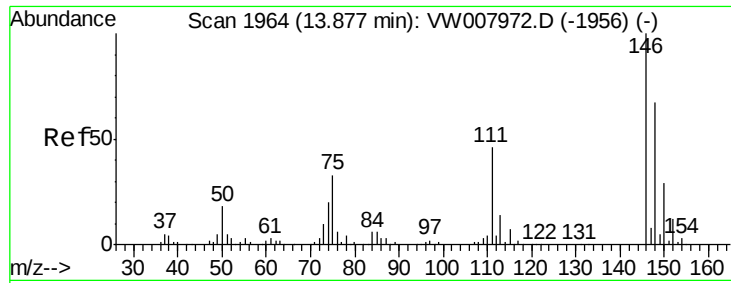


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.303 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

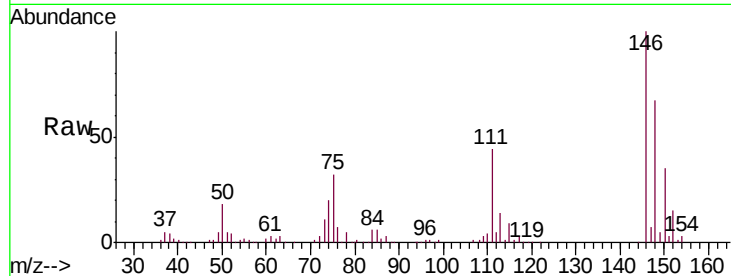
Tgt Ion:146 Resp: 61225

Ion Ratio Lower Upper

146 100

111 43.9 36.4 54.6

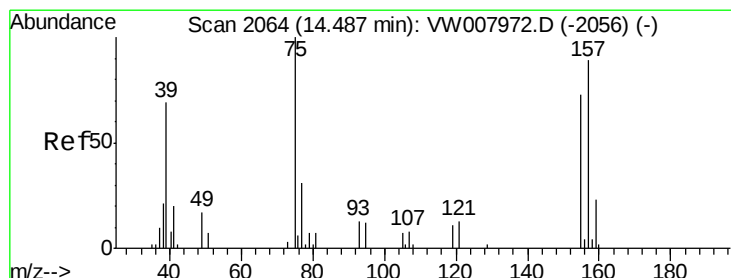
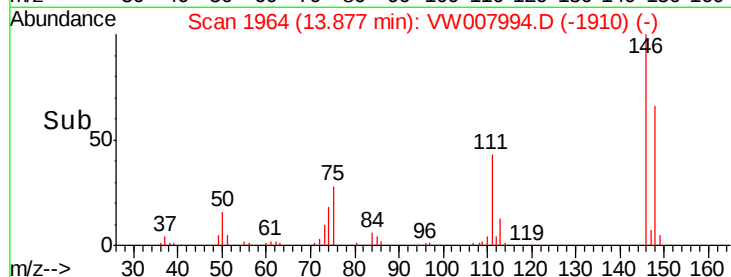
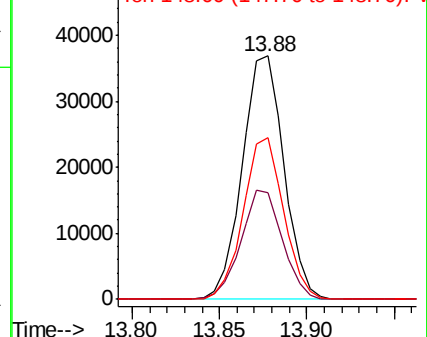
148 66.5 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.839 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW007994.D

Acq: 28 Dec 2018 08:03

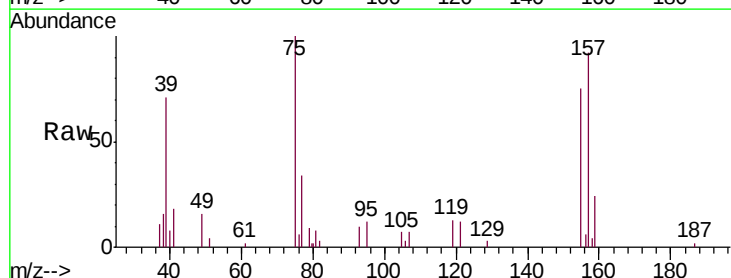
Tgt Ion: 75 Resp: 5657

Ion Ratio Lower Upper

75 100

157 91.8 85.6 128.4

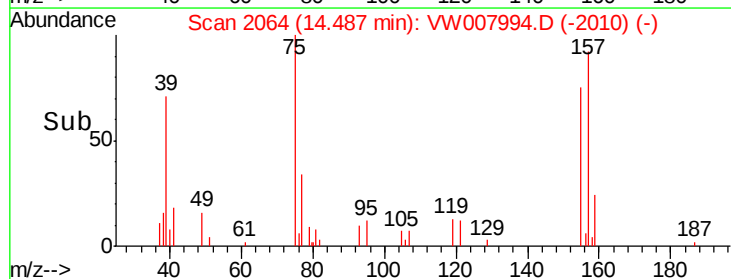
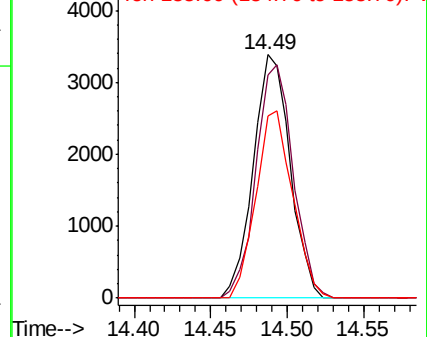
155 75.1 63.4 95.0

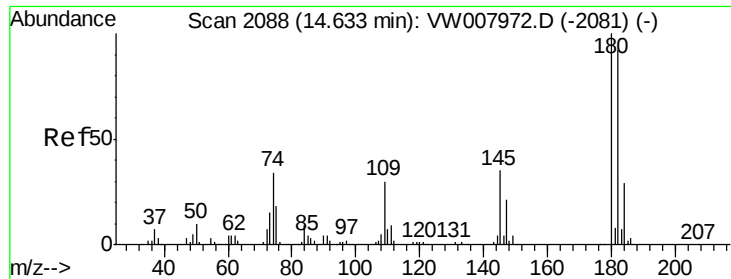


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

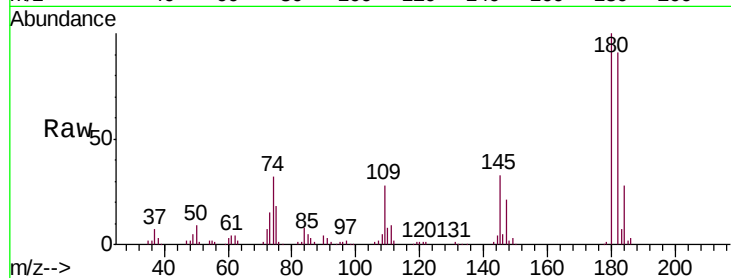




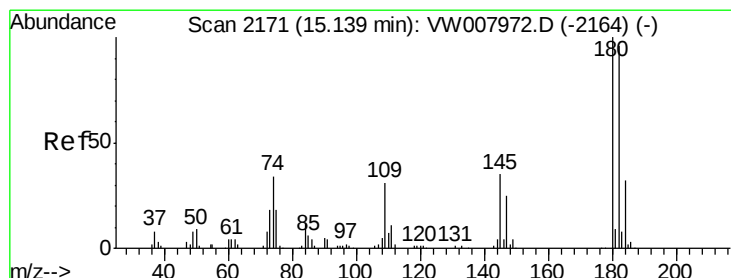
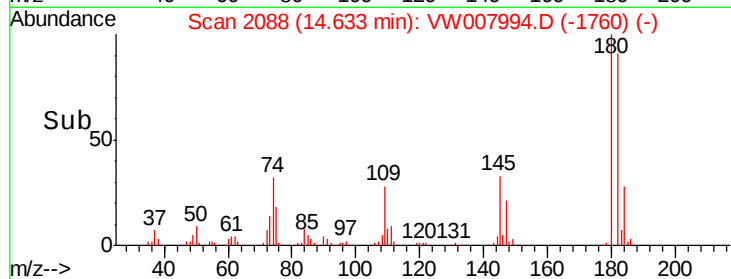
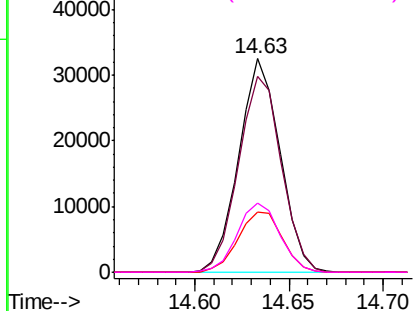
#67
 1,3,5-Trichlorobenzene
 Concen: 23.358 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007994.D
 Acq: 28 Dec 2018 08:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:180 Resp: 49515
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.0 112.4
 184 30.2 23.5 35.3
 145 33.5 26.6 39.8

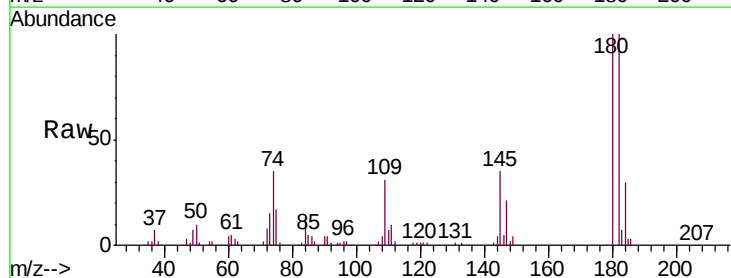


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

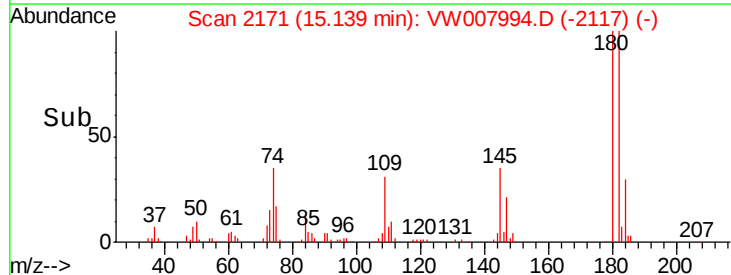
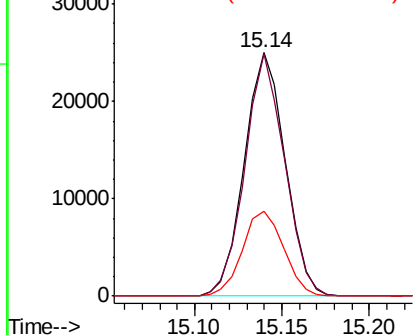


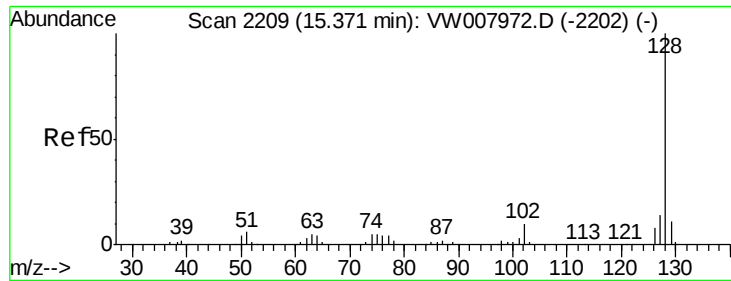
#68
 1,2,4-trichlorobenzene
 Concen: 22.400 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007994.D
 Acq: 28 Dec 2018 08:03

Tgt Ion:180 Resp: 40760
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.0 115.6
 145 35.4 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

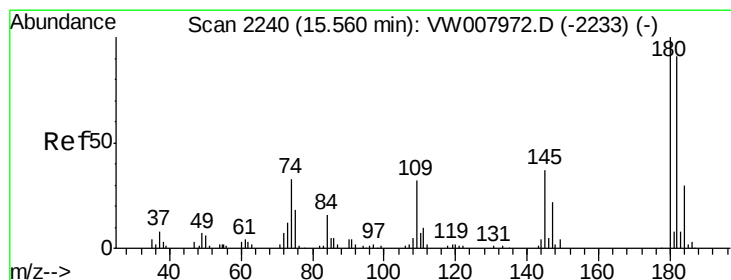
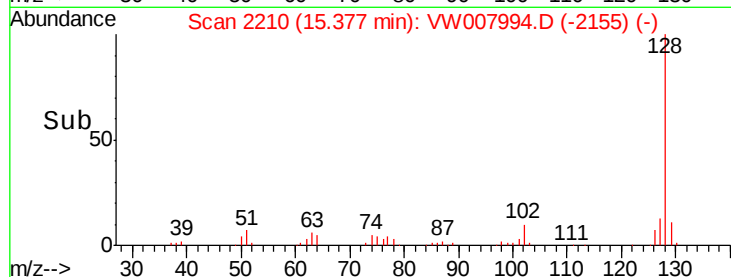
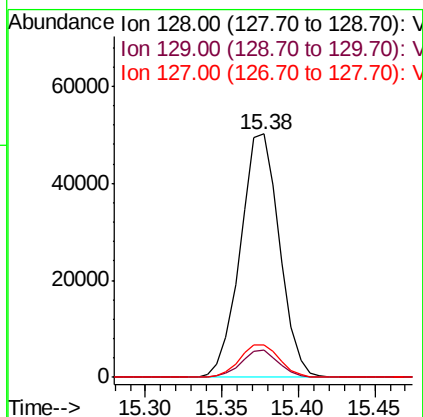
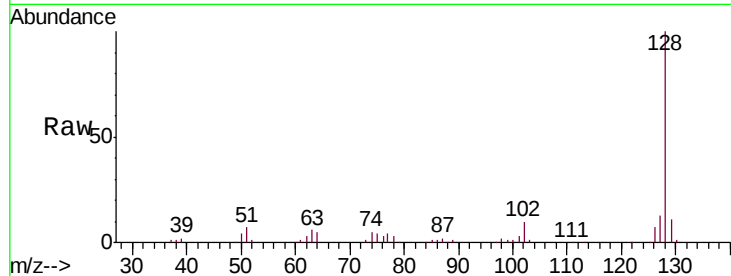




#69
Naphthalene
Concen: 21.669 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Tgt Ion:128 Resp: 89251
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.8 11.1 16.7



#70
1,2,3-Trichlorobenzene
Concen: 22.661 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007994.D
Acq: 28 Dec 2018 08:03

Tgt Ion:180 Resp: 36503
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.6
145 35.9 29.4 44.2

