

Data File : VW004995.D
Acq On : 28 Aug 2018 19:24
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

Quant Time: Aug 29 05:16:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 29 04:23:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	639710	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	663456	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	357066	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	243866	20.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.68%
7) Chloroethane-d5	2.89	69	197918	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
10) 1,1-Dichloroethene-d2	4.03	63	346175	22.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.68%
20) 2-Butanone-d5	7.09	46	128954	52.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.80%
24) Chloroform-d	7.65	84	358549	25.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	8.31	65	208343	27.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.00%
29) Benzene-d6	8.28	84	900939	26.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.60%
33) 1,2-Dichloropropane-d6	9.28	67	267945	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.88%
37) Toluene-d8	10.33	98	933437	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
38) trans-1,3-Dichloropropene-	10.58	79	112501	26.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.32%
39) 2-Hexanone-d5	10.93	63	141123	56.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	278197	27.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	380619	26.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	254884	21.181 ug/L	100
3) Chloromethane	2.22	50	278051	20.389 ug/L	99
5) Vinyl chloride	2.36	62	284363	20.588 ug/L	100
6) Bromomethane	2.78	94	165413	22.861 ug/L	98
8) Chloroethane	2.92	64	161700	20.949 ug/L	97
9) Trichlorofluoromethane	3.26	101	315444	22.568 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	197428	23.613 ug/L	98
12) 1,1-Dichloroethene	4.04	96	170502	22.893 ug/L	97
13) Acetone	4.15	43	81170	42.584 ug/L	98
14) Carbon disulfide	4.39	76	653037	21.162 ug/L	99
15) Methyl Acetate	4.68	43	94627	21.955 ug/L	97
16) Methylene chloride	4.92	84	265684	21.418 ug/L	94
17) Methyl tert-butyl Ether	5.44	73	395099	24.560 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	177865	22.935 ug/L	98
19) 1,1-Dichloroethane	6.23	63	327879	23.161 ug/L	96
21) 2-Butanone	7.18	43	126899	43.235 ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	195569	23.369 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	106027	23.993	ug/L	97
25) Chloroform	7.68	83	351776	24.793	ug/L	99
27) 1,2-Dichloroethane	8.41	62	215947	23.220	ug/L	100
30) Cyclohexane	7.96	56	319398	22.615	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	304593	23.836	ug/L	99
32) Carbon tetrachloride	8.07	117	273819	23.956	ug/L	99
34) Benzene	8.33	78	885829	23.417	ug/L	100
35) Trichloroethene	9.10	95	213450	22.692	ug/L	99
36) Methylcyclohexane	9.34	83	372966	21.436	ug/L	99
40) 1,2-Dichloropropane	9.37	63	218078	23.435	ug/L	98
41) Bromodichloromethane	9.65	83	249264	24.310	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	304522	23.575	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	302852	44.087	ug/L	99
44) Toluene	10.39	91	1042083	22.938	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	270284	23.071	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	171612	23.627	ug/L	99
47) Tetrachloroethene	10.87	164	208713	22.664	ug/L	98
49) 2-Hexanone	10.98	43	241076	45.413	ug/L	96
50) Dibromochloromethane	11.13	129	192955	23.928	ug/L	98
51) 1,2-Dibromoethane	11.24	107	158780	22.269	ug/L	99
52) Chlorobenzene	11.66	112	687230	22.772	ug/L	99
53) Ethylbenzene	11.74	91	1163237	22.755	ug/L	99
54) m,p-Xylene	11.85	106	463807	23.387	ug/L	95
55) o-xylene	12.17	106	434314	23.439	ug/L	97
56) Styrene	12.19	104	768664	24.144	ug/L	99
57) Isopropylbenzene	12.47	105	1146697	23.168	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	238018	22.992	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	177272	22.223	ug/L	98
62) Bromoform	12.35	173	127518	22.524	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	548181	22.284	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	581036	22.561	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	542702	23.024	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	39907	19.965	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	434717	22.085	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	355530	22.370	ug/L	100
69) Naphthalene	15.38	128	720797	22.312	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	350190	23.393	ug/L	98

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

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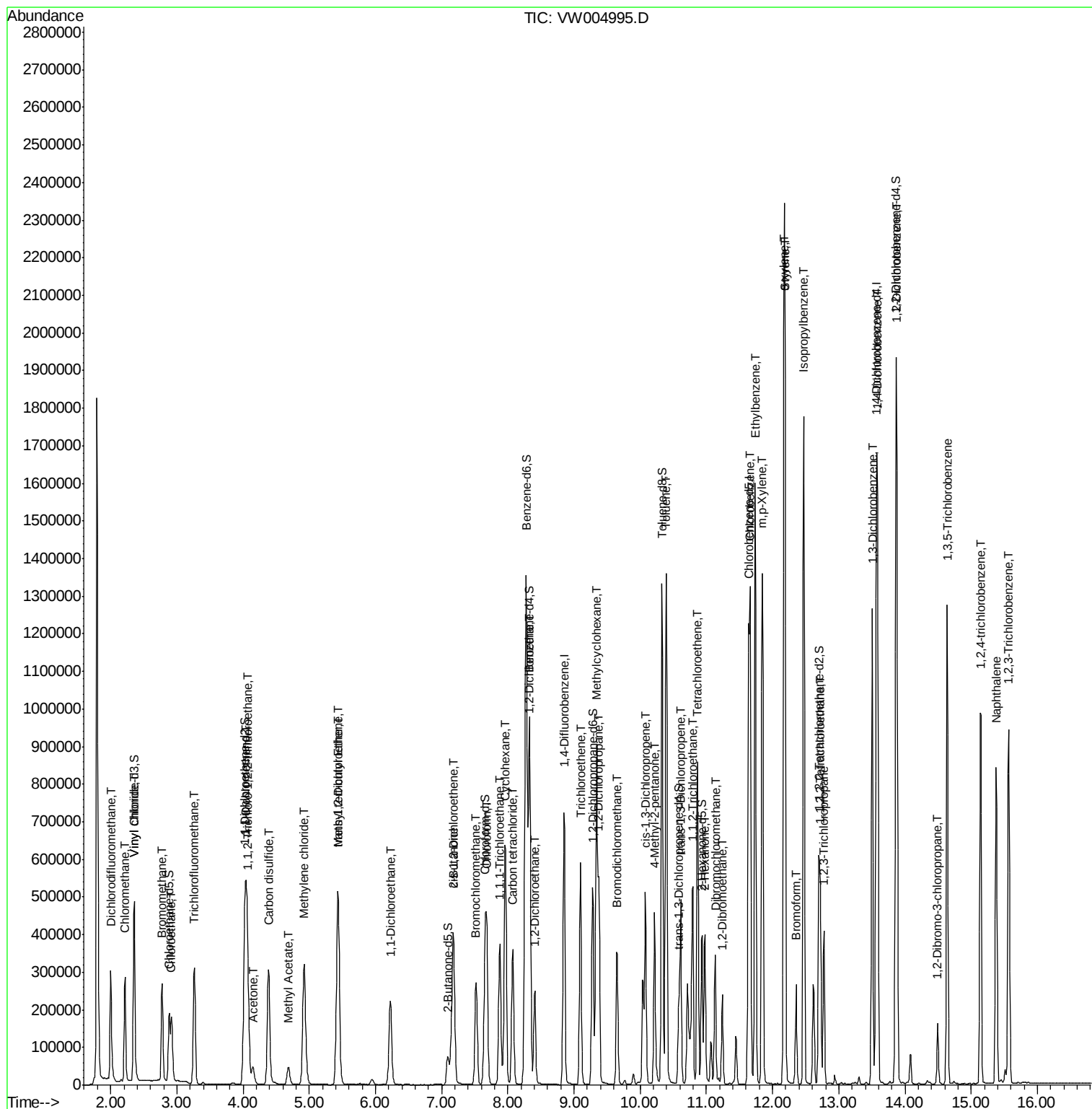
Quant Time: Aug 29 05:16:21 2018

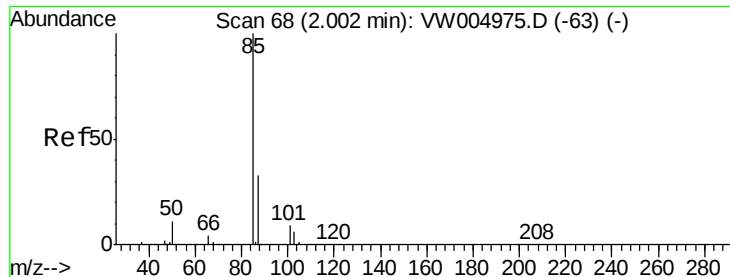
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_W\METHOD\SOM2WLM082218S.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 21.181 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

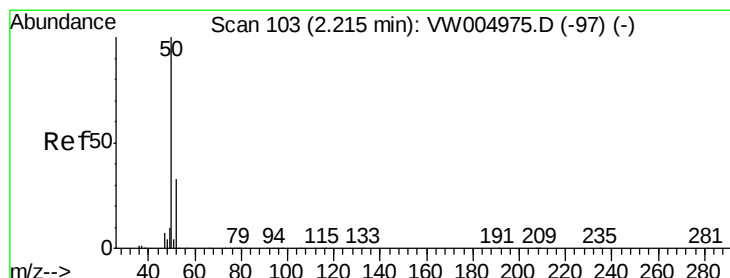
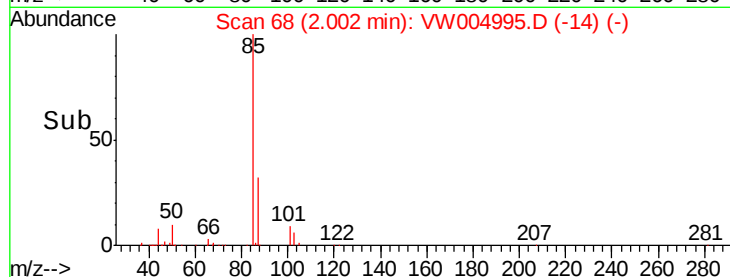
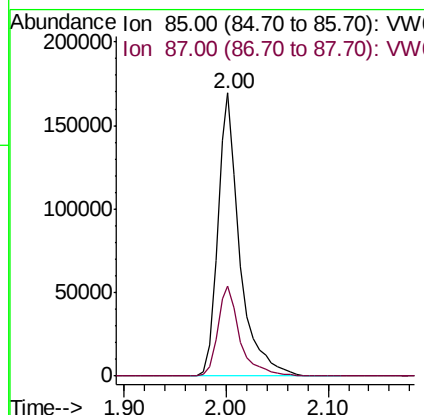
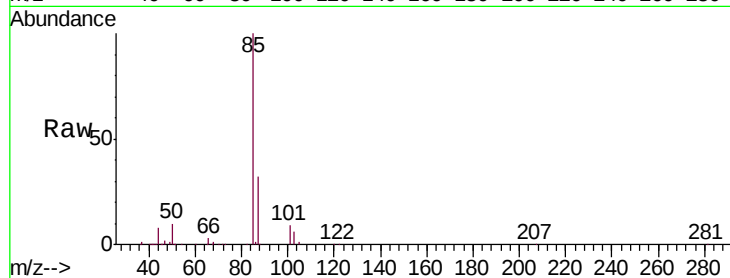
VSTD02586

Tgt Ion: 85 Resp: 254884

Ion Ratio Lower Upper

85 100

87 32.3 22.6 42.0



#3

Chloromethane

Concen: 20.389 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004995.D

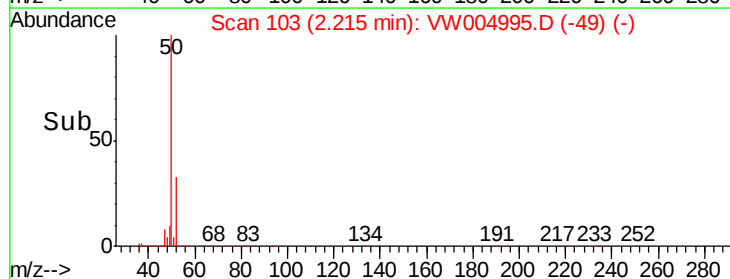
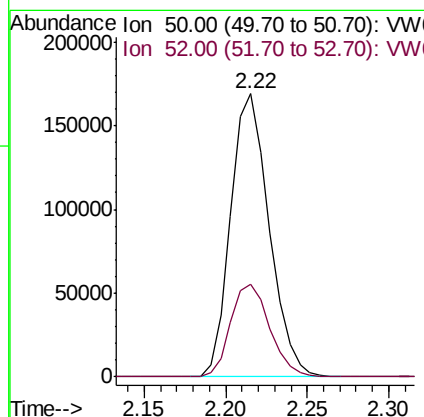
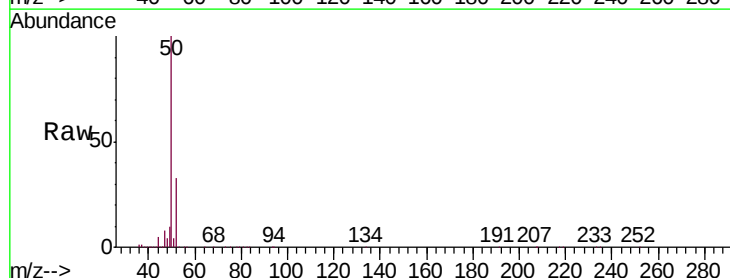
Acq: 28 Aug 2018 19:24

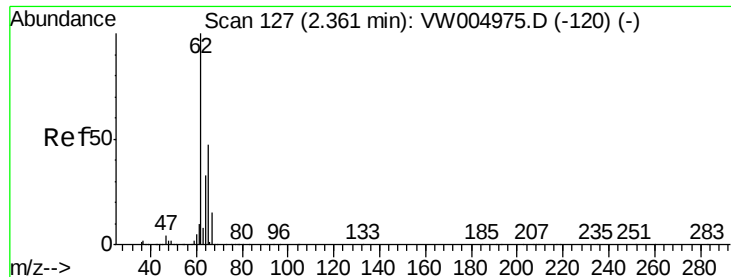
Tgt Ion: 50 Resp: 278051

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.9





#5

Vinyl chloride

Concen: 20.588 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

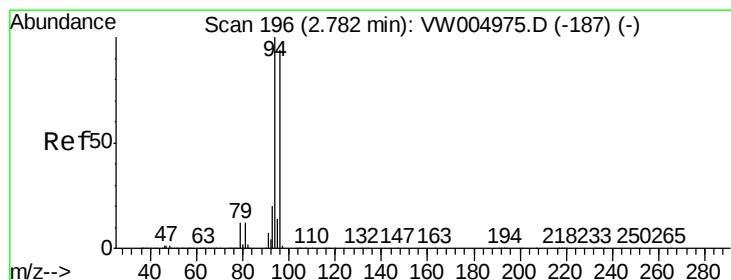
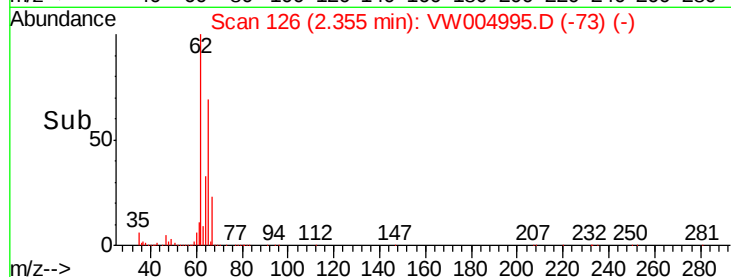
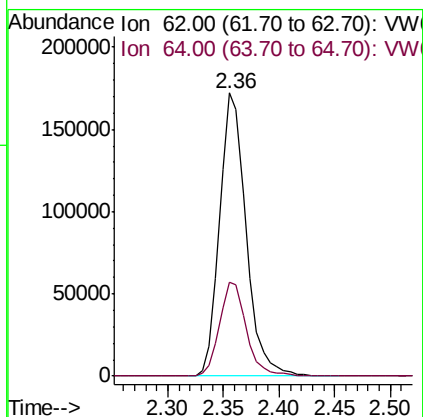
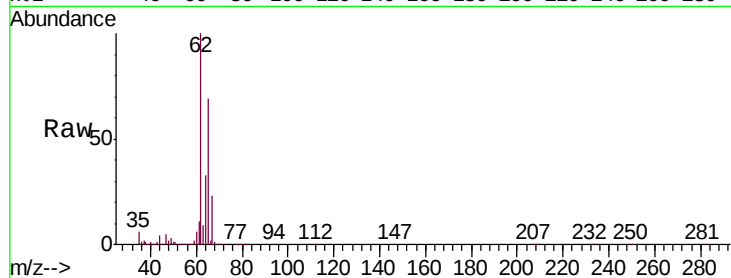
VSTD02586

Tgt Ion: 62 Resp: 284363

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 22.861 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004995.D

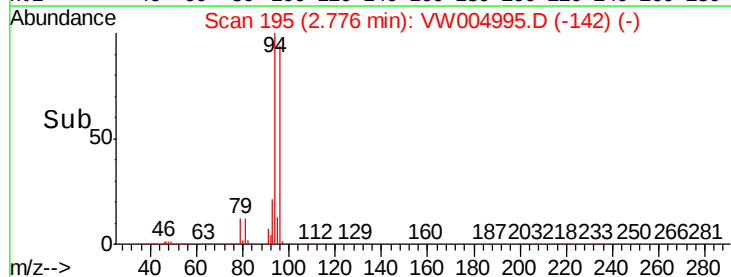
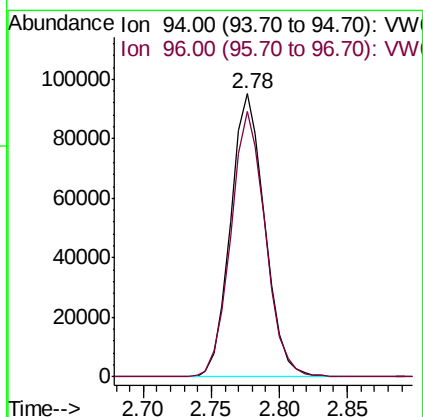
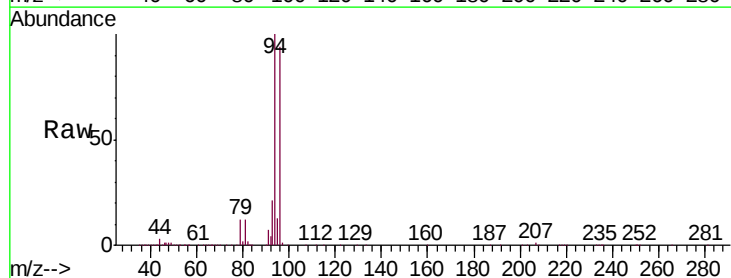
Acq: 28 Aug 2018 19:24

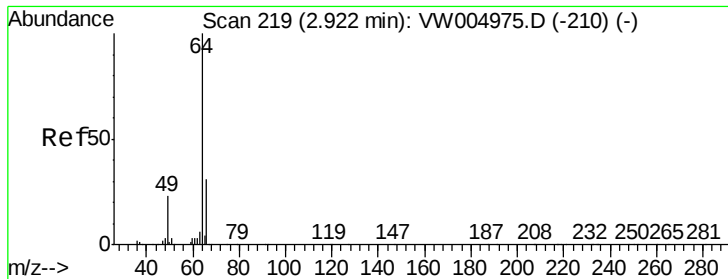
Tgt Ion: 94 Resp: 165413

Ion Ratio Lower Upper

94 100

96 95.0 9.3 177.7





#8

Chloroethane

Concen: 20.949 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

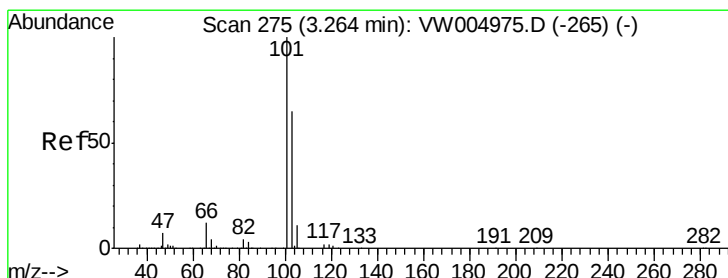
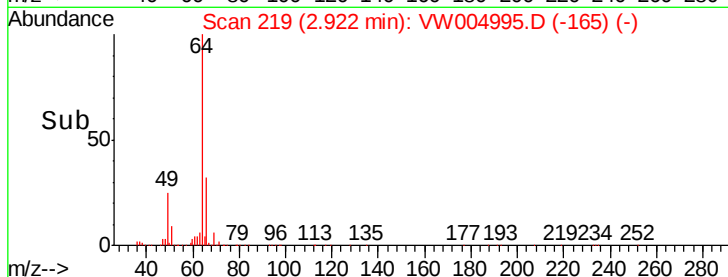
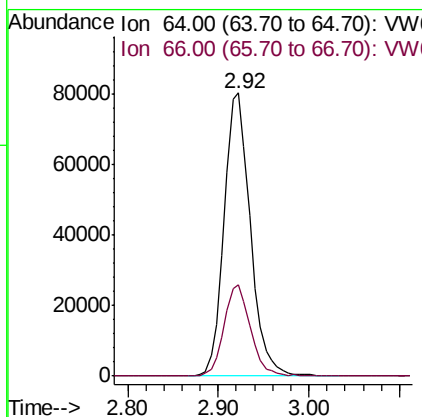
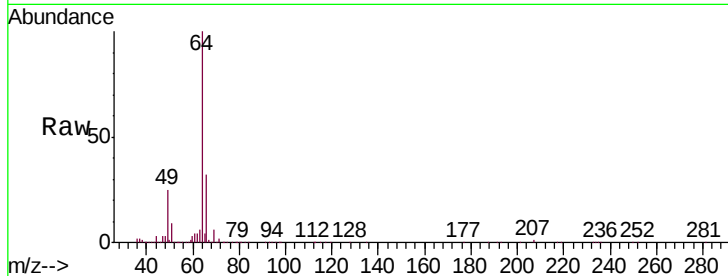
VSTD02586

Tgt Ion: 64 Resp: 161700

Ion Ratio Lower Upper

64 100

66 32.3 21.5 39.9



#9

Trichlorofluoromethane

Concen: 22.568 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.00 min

Lab File: VW004995.D

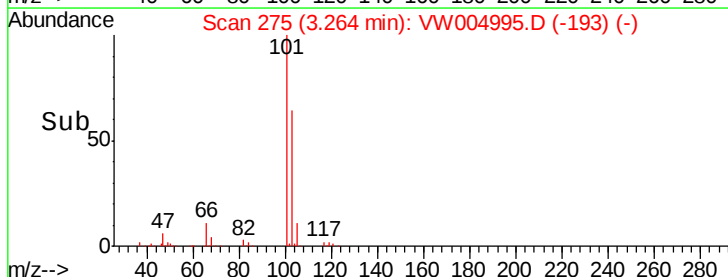
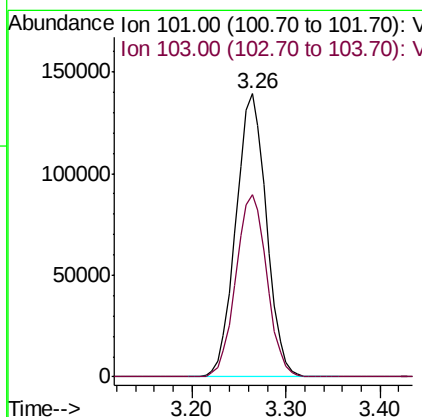
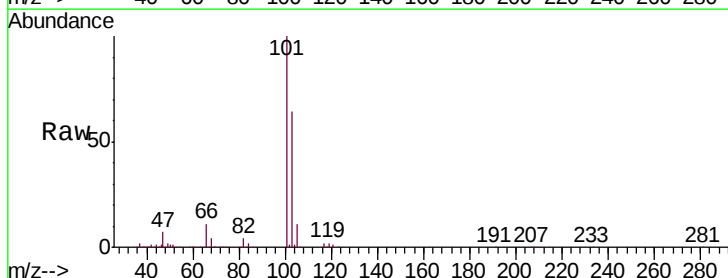
Acq: 28 Aug 2018 19:24

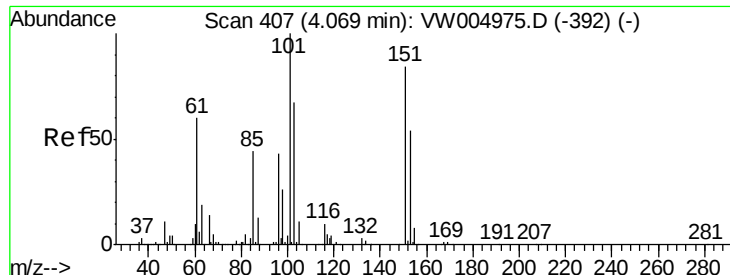
Tgt Ion: 101 Resp: 315444

Ion Ratio Lower Upper

101 100

103 65.3 45.1 83.7





#11

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

Concen: 23.613 ug/L

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

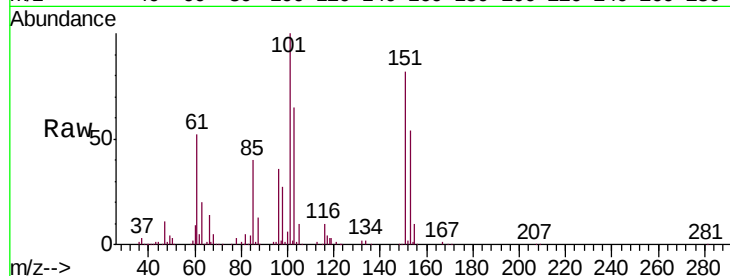
Tgt Ion: 101 Resp: 197428

Ion Ratio Lower Upper

101 100

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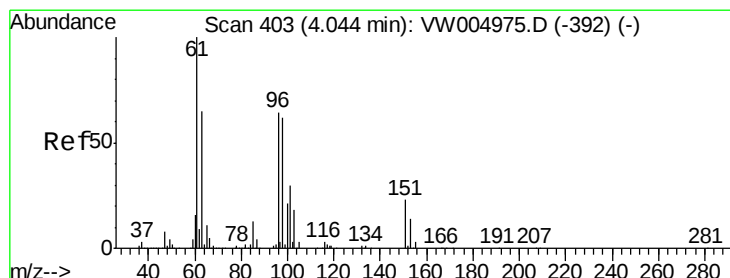
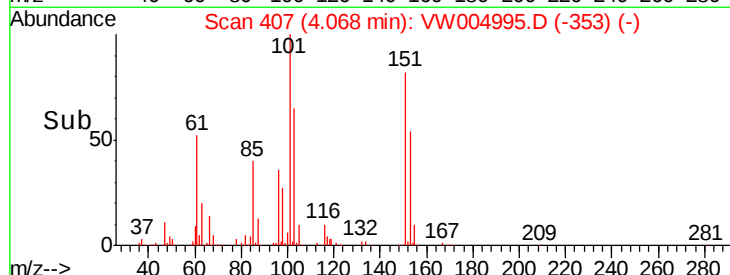
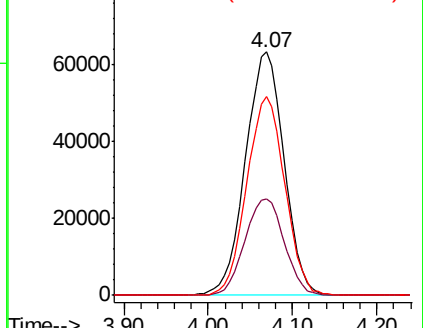
151 80.7 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.893 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

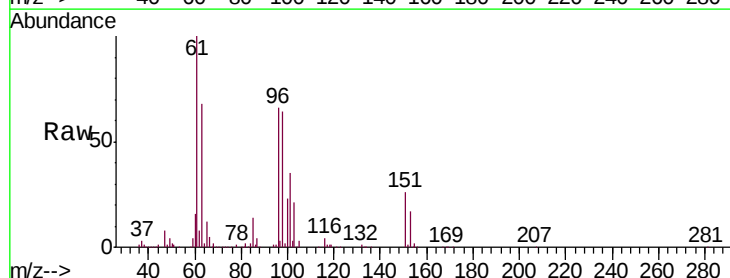
Tgt Ion: 96 Resp: 170502

Ion Ratio Lower Upper

96 100

61 151.3 107.0 198.8

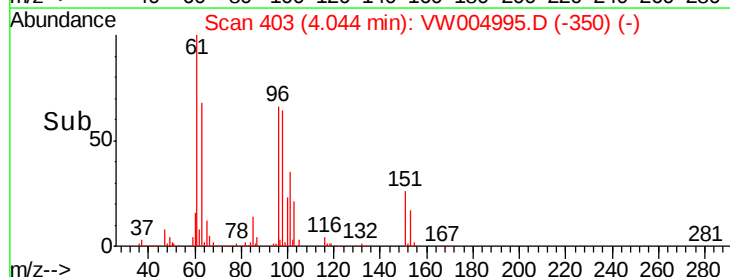
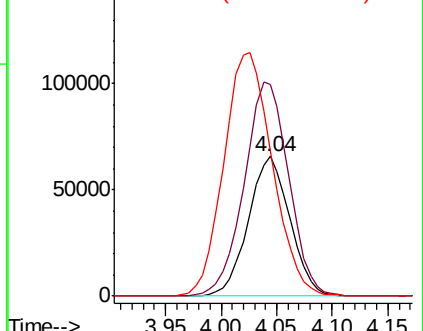
63 103.6 76.9 142.7

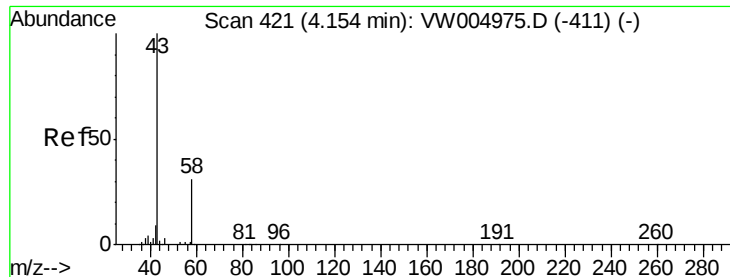


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.584 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

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ClientSampleId :

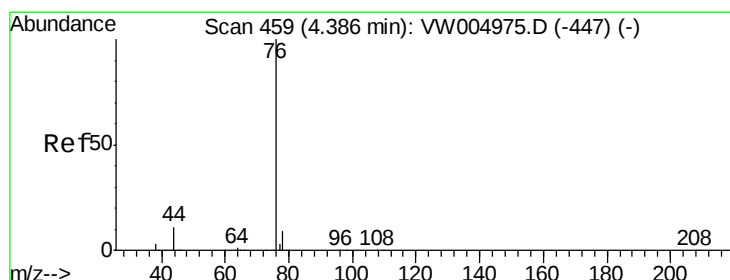
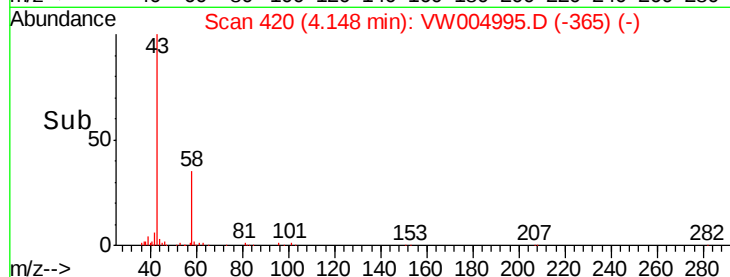
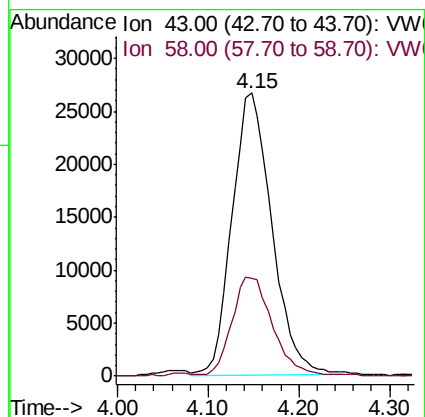
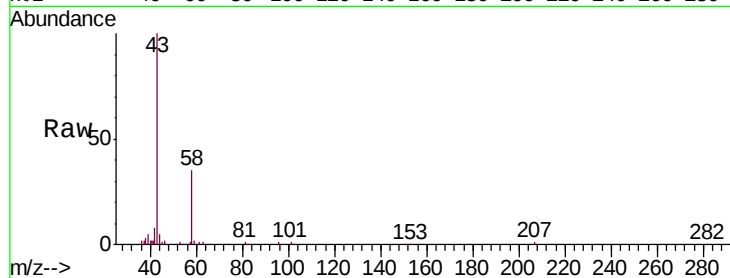
VSTD02586

Tgt Ion: 43 Resp: 81170

Ion Ratio Lower Upper

43 100

58 35.9 0.0 69.4



#14

Carbon disulfide

Concen: 21.162 ug/L

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW004995.D

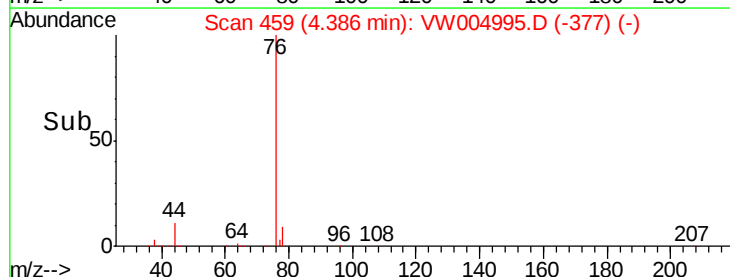
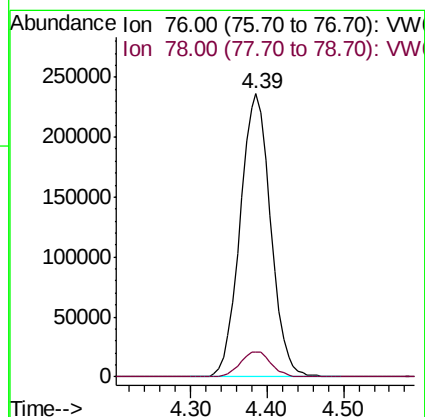
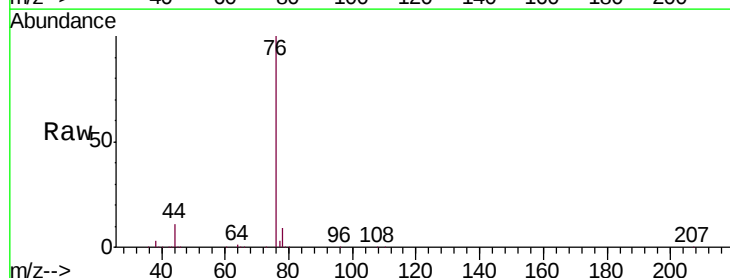
Acq: 28 Aug 2018 19:24

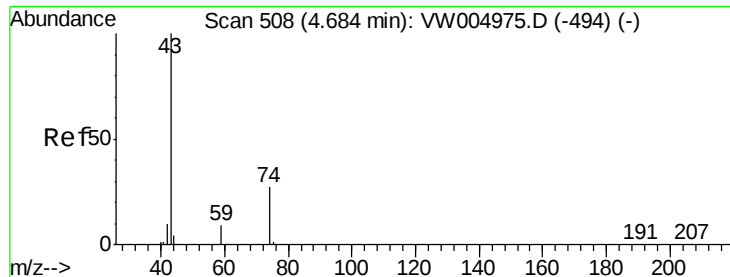
Tgt Ion: 76 Resp: 653037

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

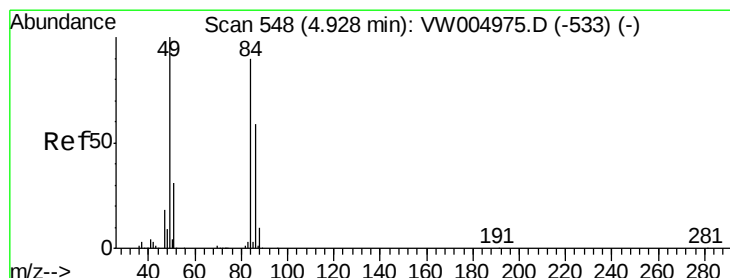
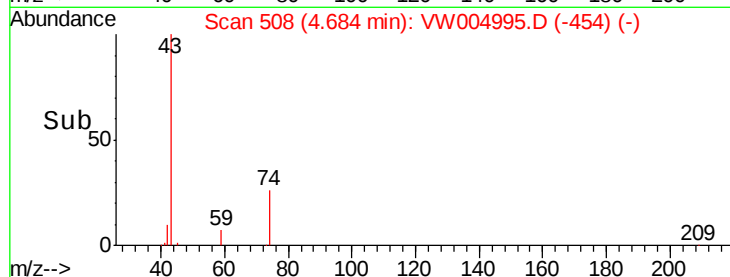
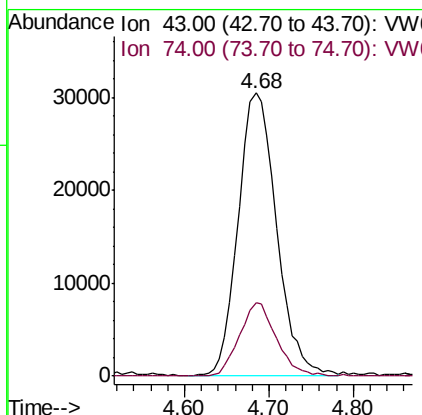
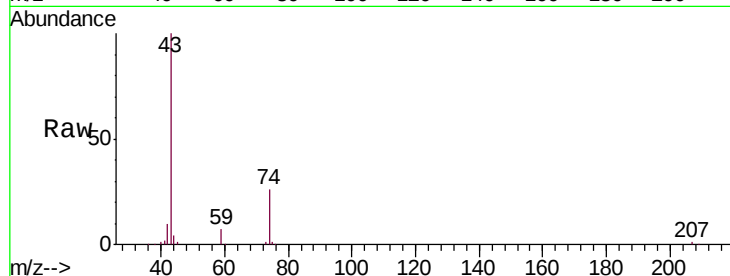




#15
Methyl Acetate
Concen: 21.955 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

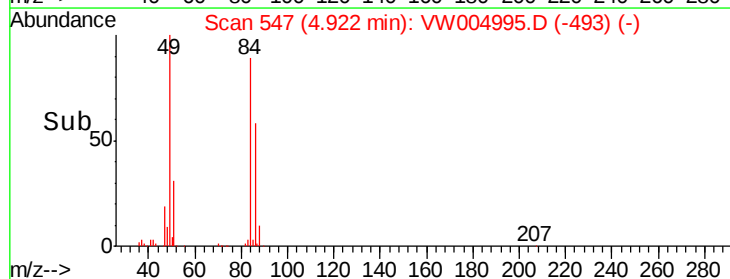
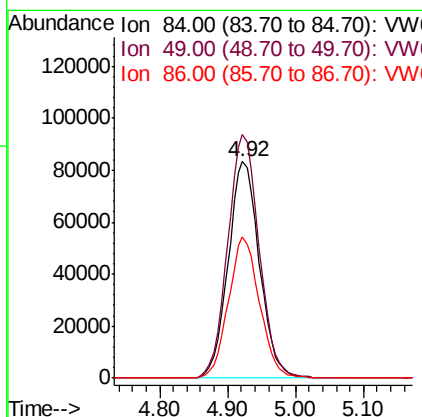
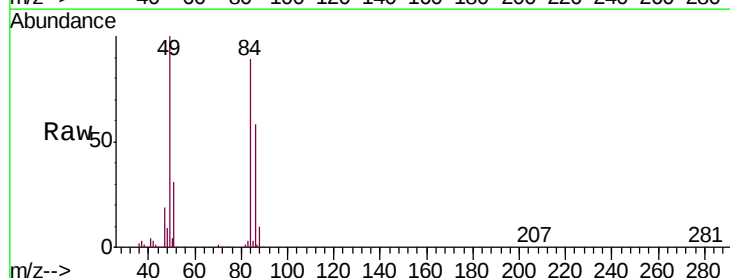
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

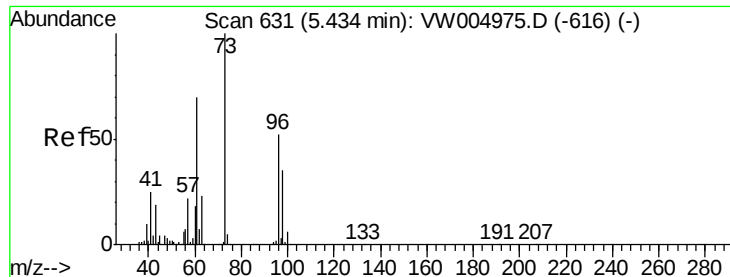
Tgt Ion: 43 Resp: 94627
Ion Ratio Lower Upper
43 100
74 24.8 18.6 27.8



#16
Methylene chloride
Concen: 21.418 ug/L
RT: 4.92 min Scan# 547
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

Tgt Ion: 84 Resp: 265684
Ion Ratio Lower Upper
84 100
49 112.4 83.8 155.6
86 65.0 42.6 79.0

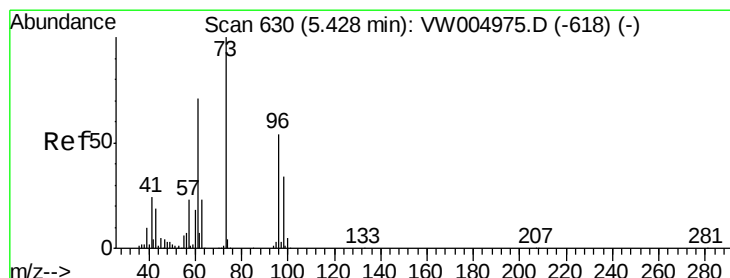
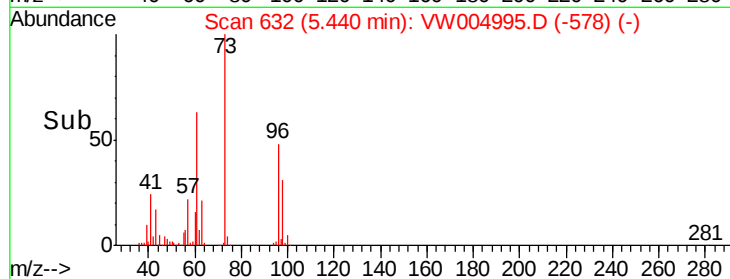
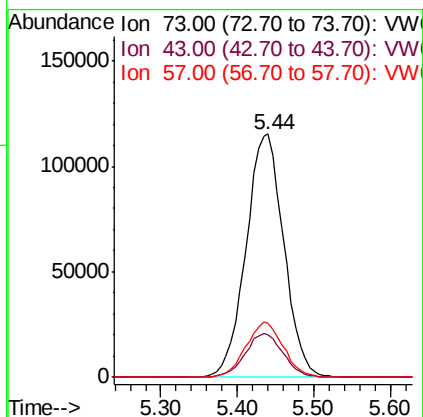
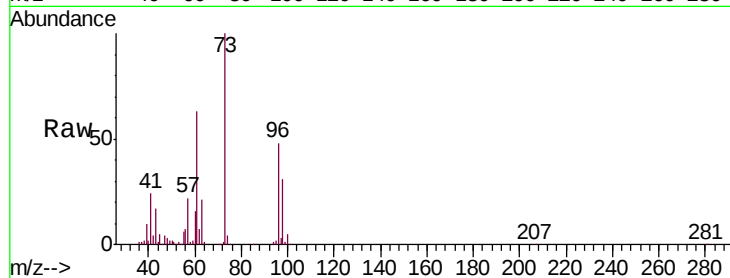




#17
Methyl tert-butyl Ether
Concen: 24.560 ug/L
RT: 5.44 min Scan# 632
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

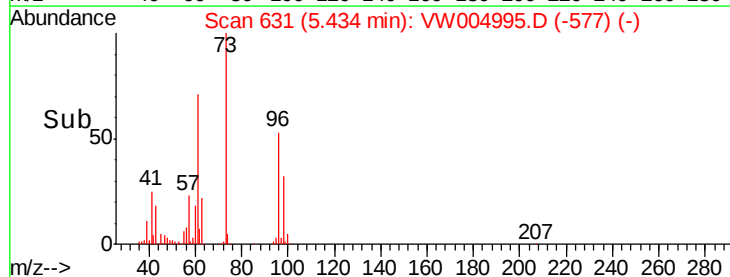
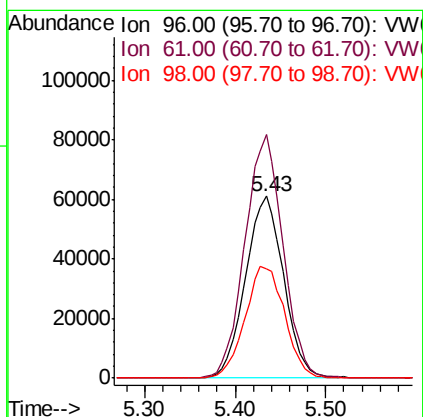
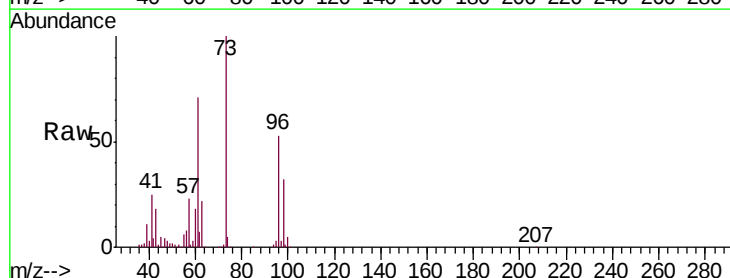
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

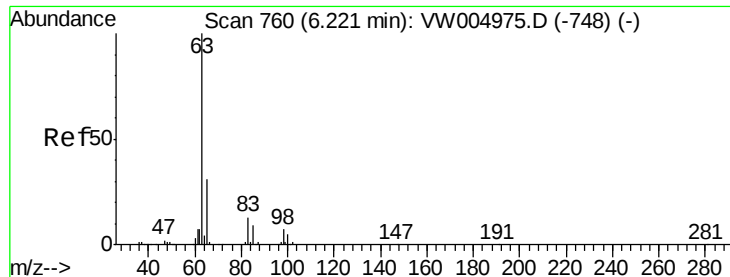
Tgt Ion: 73 Resp: 395099
Ion Ratio Lower Upper
73 100
43 18.1 14.6 22.0
57 22.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 22.935 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

Tgt Ion: 96 Resp: 177865
Ion Ratio Lower Upper
96 100
61 134.1 92.5 171.9
98 60.1 42.8 79.4





#19

1,1-Dichloroethane

Concen: 23.161 ug/L

RT: 6.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

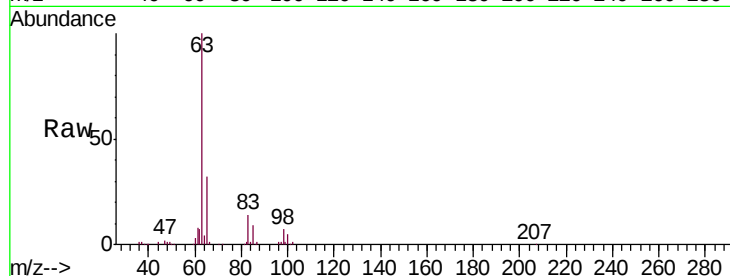
Tgt Ion: 63 Resp: 327879

Ion Ratio Lower Upper

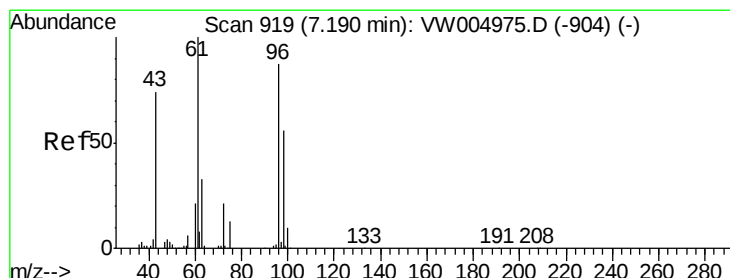
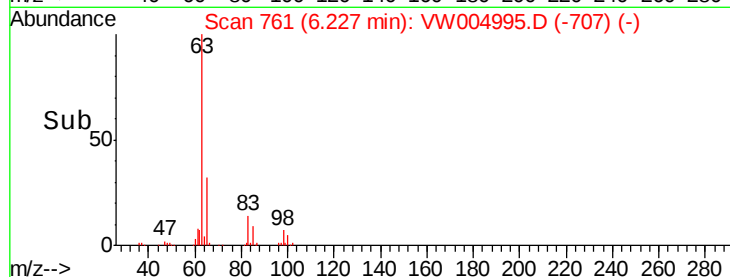
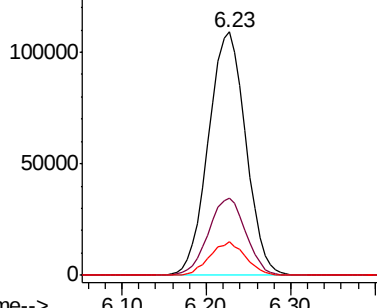
63 100

65 31.7 20.5 38.1

83 14.0 8.8 16.4



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: 43.235 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004995.D

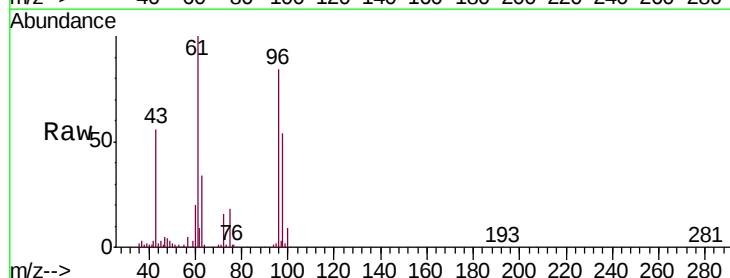
Acq: 28 Aug 2018 19:24

Tgt Ion: 43 Resp: 126899

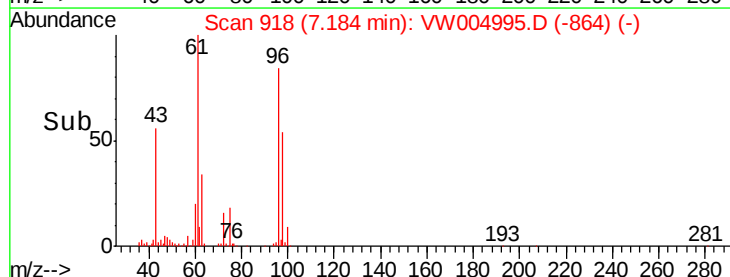
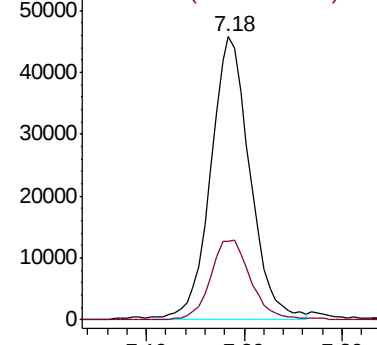
Ion Ratio Lower Upper

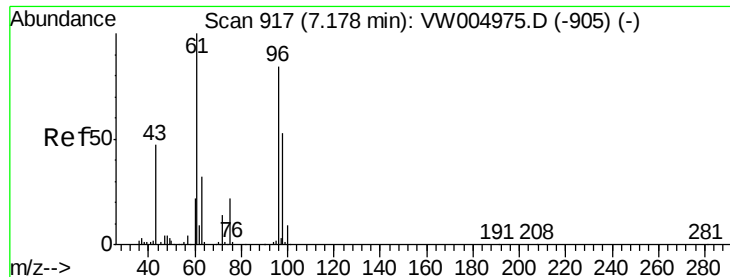
43 100

72 28.9 14.2 42.8



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



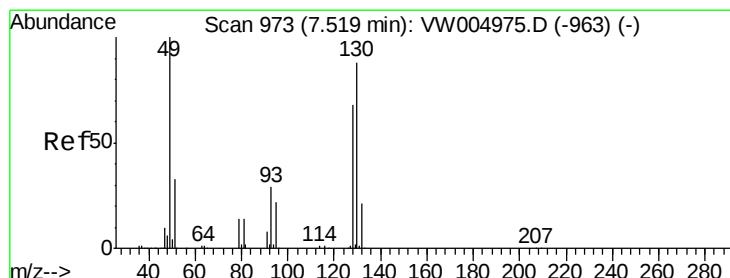
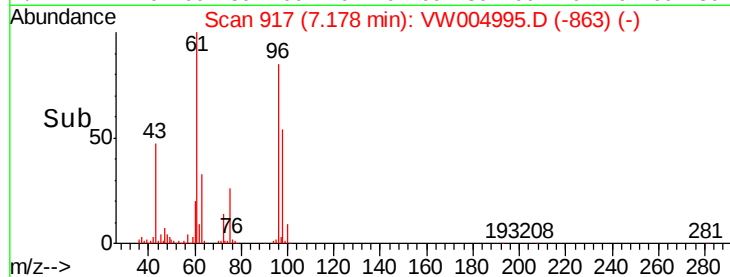
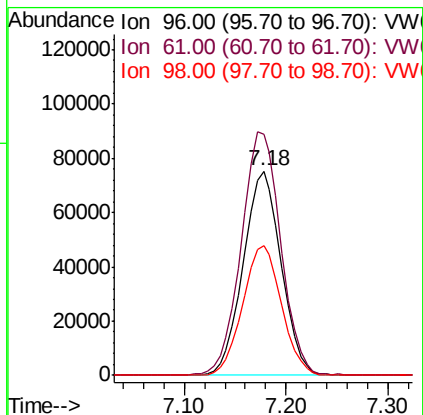
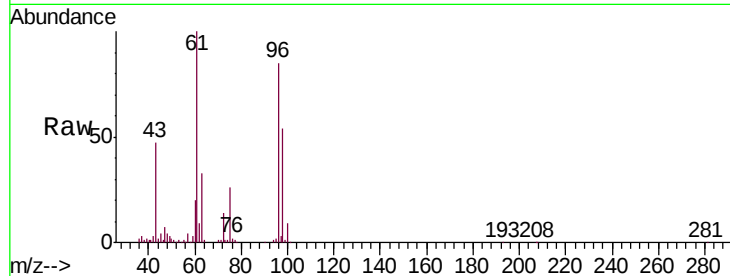


#22

cis-1,2-Dichloroethene
 Concen: 23.369 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

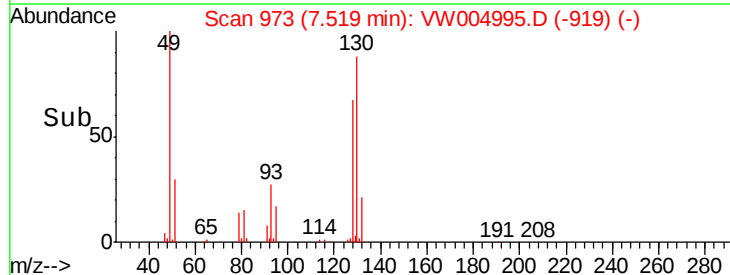
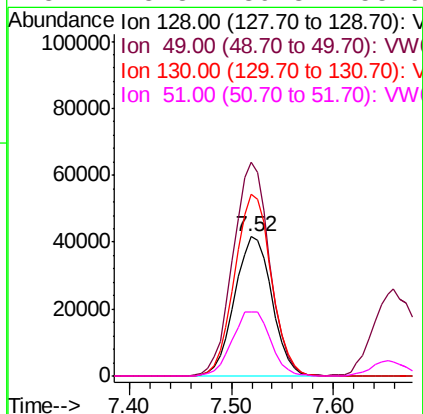
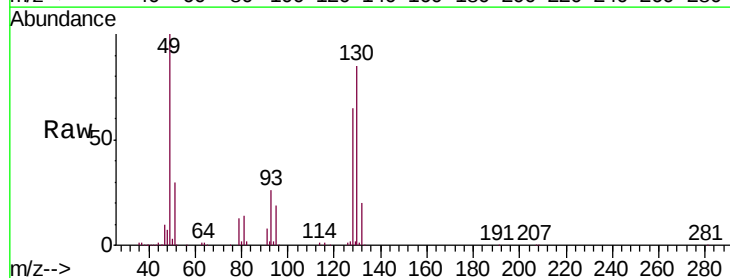
Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.2	89.7	166.7
98	63.7	45.0	83.6

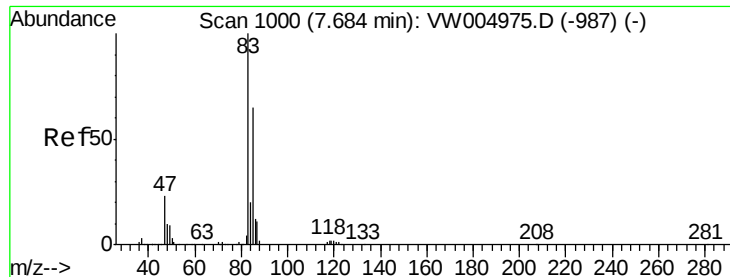


#23

Bromochloromethane
 Concen: 23.993 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	153.1	111.3	206.7
130	130.6	90.2	167.6
51	45.8	39.3	58.9





#25

Chloroform

Concen: 24.793 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

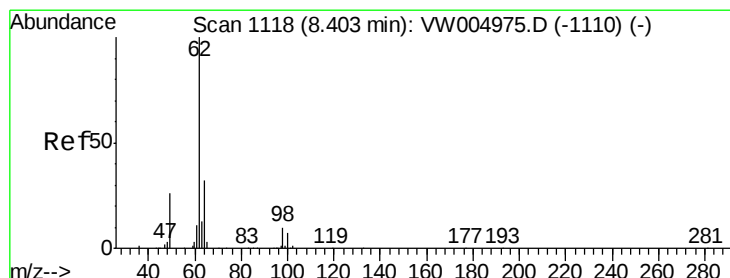
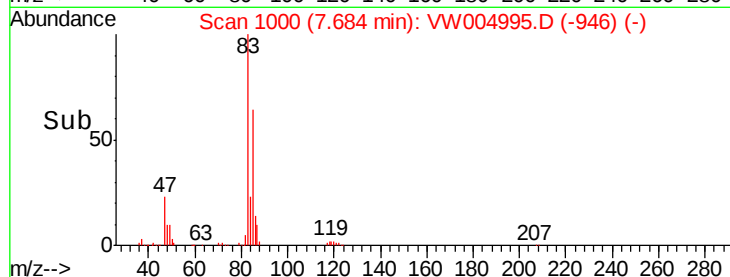
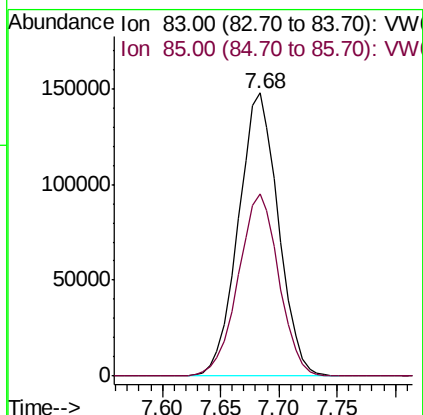
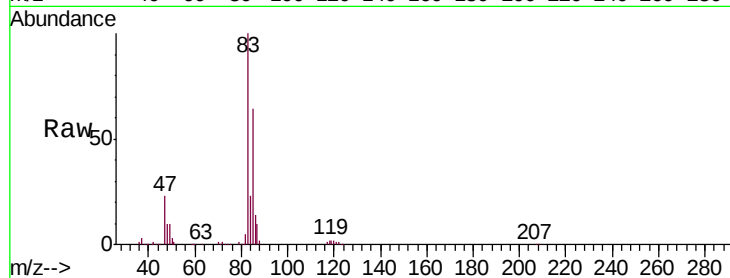
VSTD02586

Tgt Ion: 83 Resp: 351776

Ion Ratio Lower Upper

83 100

85 65.5 46.3 85.9



#27

1,2-Dichloroethane

Concen: 23.220 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW004995.D

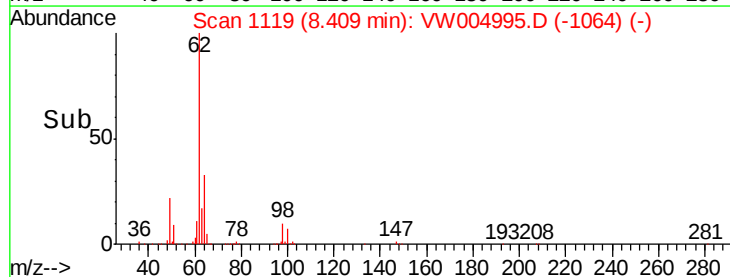
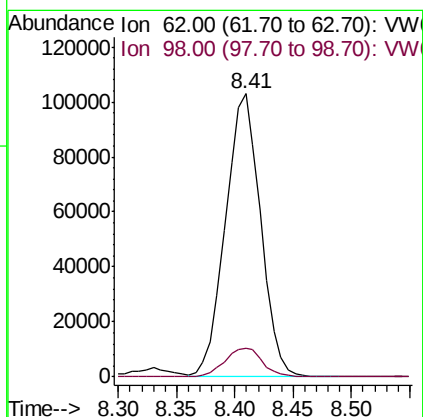
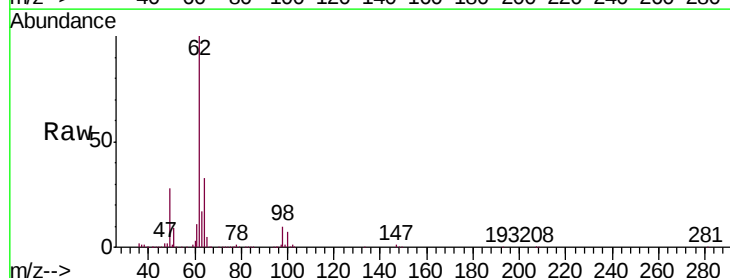
Acq: 28 Aug 2018 19:24

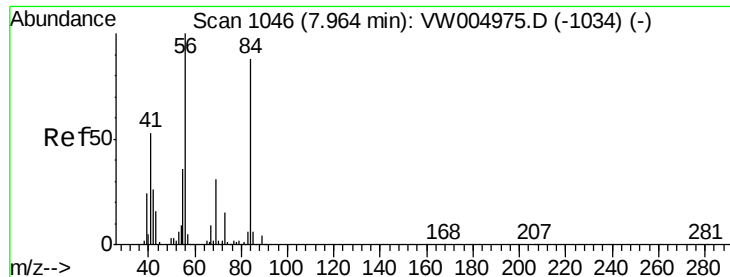
Tgt Ion: 62 Resp: 215947

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0

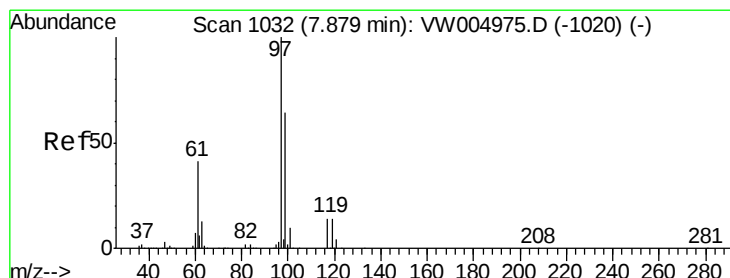
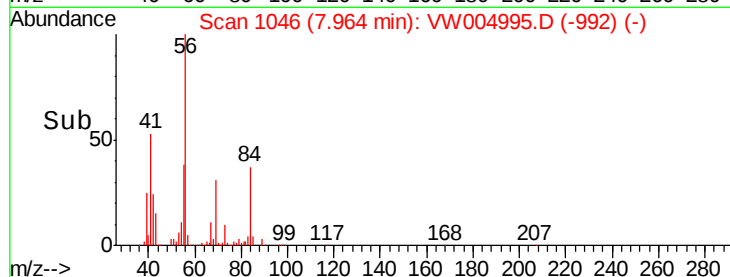
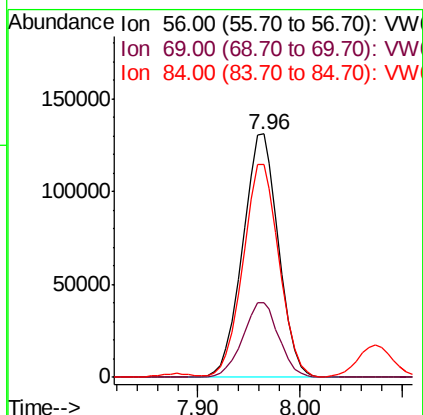
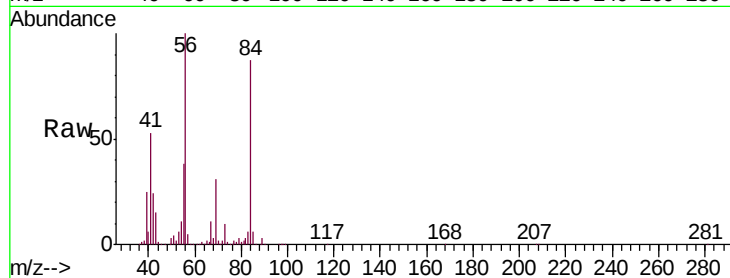




#30
Cyclohexane
Concen: 22.615 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

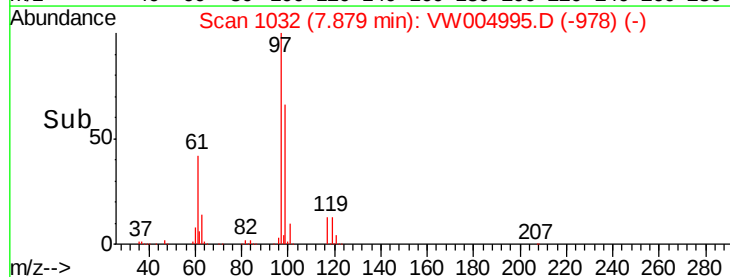
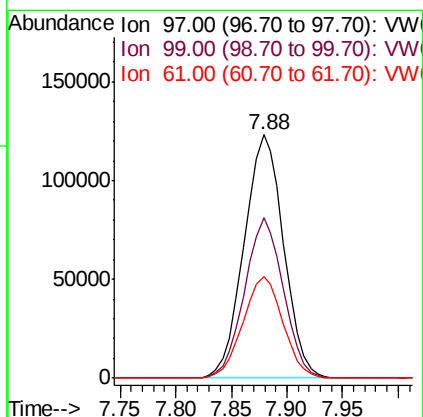
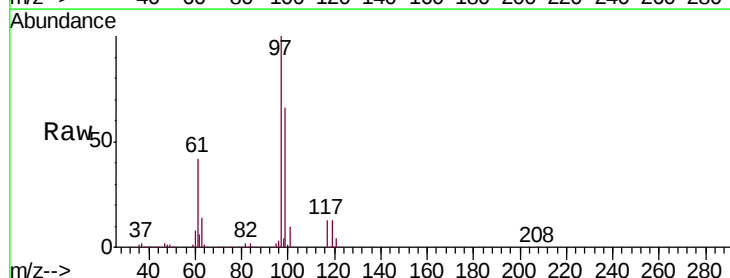
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

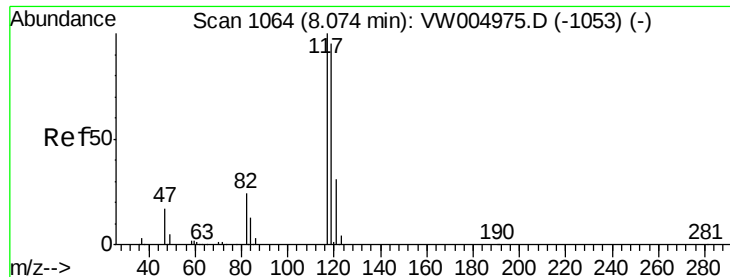
Tgt Ion: 56 Resp: 319398
Ion Ratio Lower Upper
56 100
69 30.8 24.1 36.1
84 88.6 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 23.836 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

Tgt Ion: 97 Resp: 304593
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 42.2 34.9 52.3





#32

Carbon tetrachloride

Concen: 23.956 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

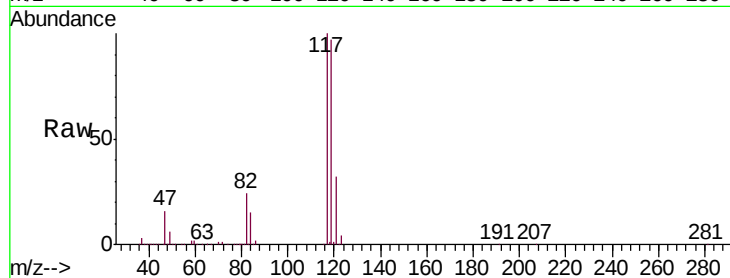
VSTD02586

Tgt Ion:117 Resp: 273819

Ion Ratio Lower Upper

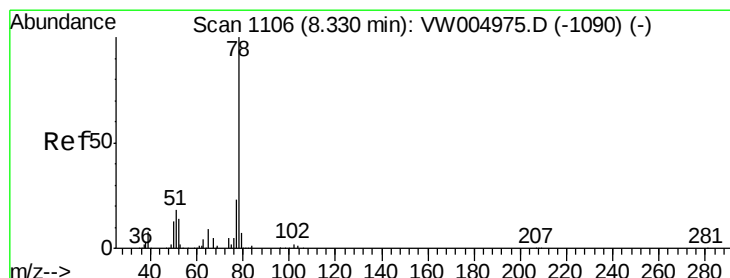
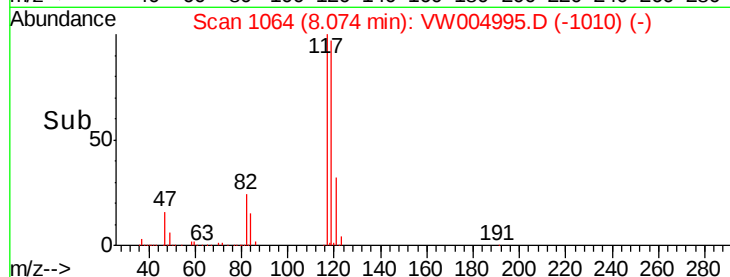
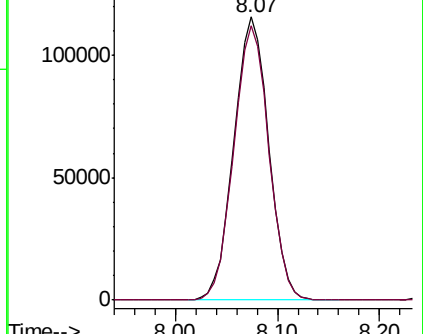
117 100

119 97.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.417 ug/L

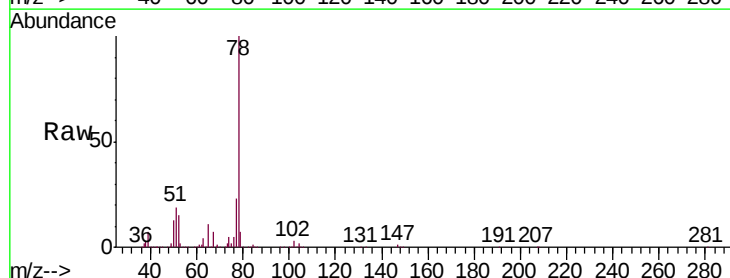
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

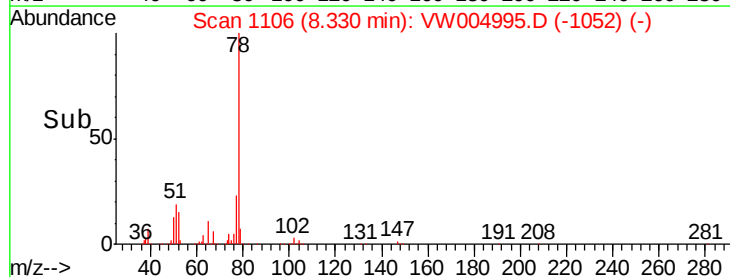
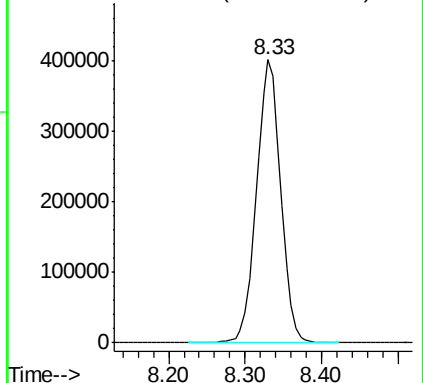
Lab File: VW004995.D

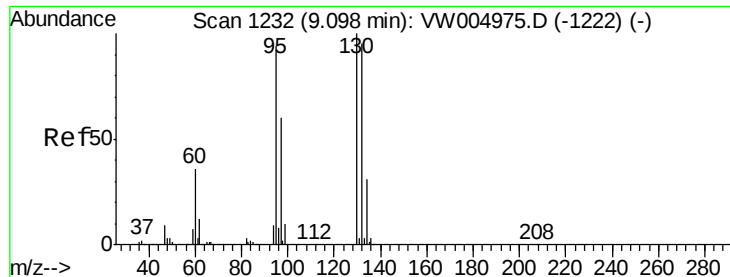
Acq: 28 Aug 2018 19:24

Tgt Ion: 78 Resp: 885829



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.692 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

Tgt Ion: 95 Resp: 213450

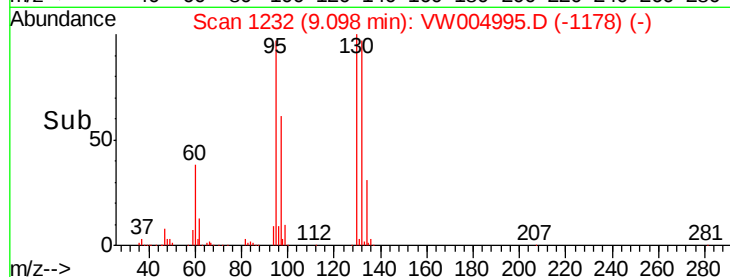
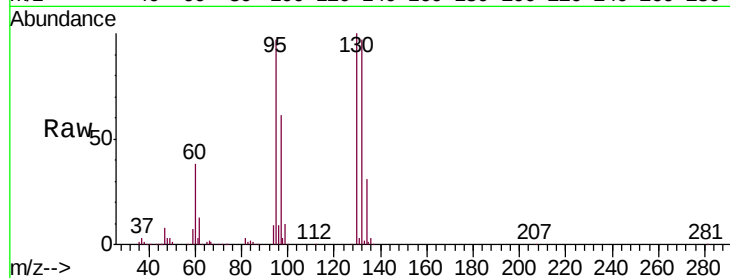
Ion Ratio Lower Upper

95 100

97 63.9 45.9 85.3

132 100.2 69.2 128.4

130 104.1 72.7 135.1

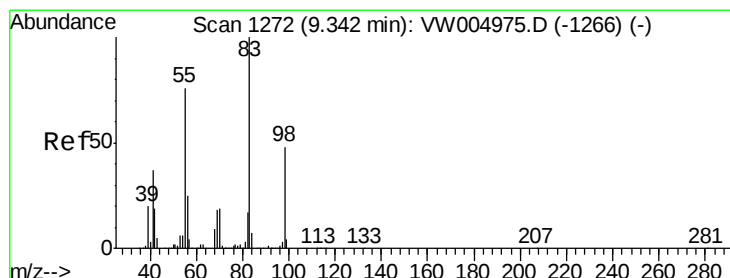
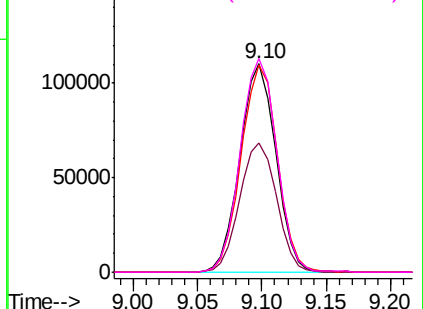


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 21.436 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

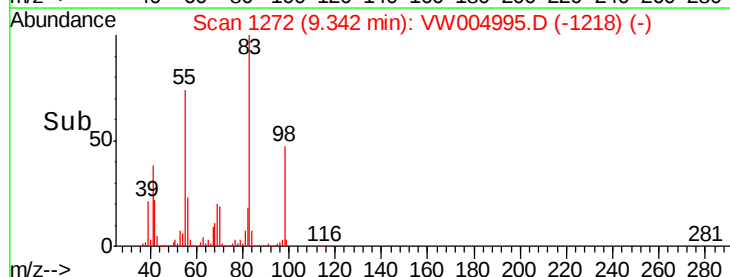
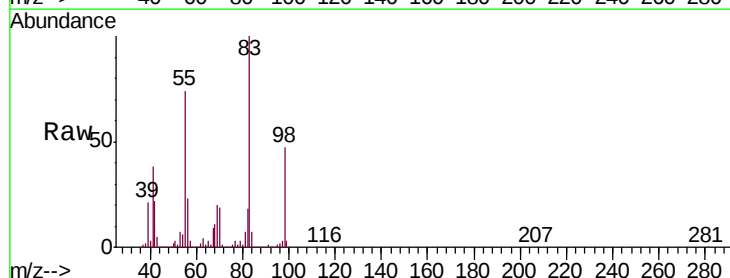
Tgt Ion: 83 Resp: 372966

Ion Ratio Lower Upper

83 100

55 75.2 61.1 91.7

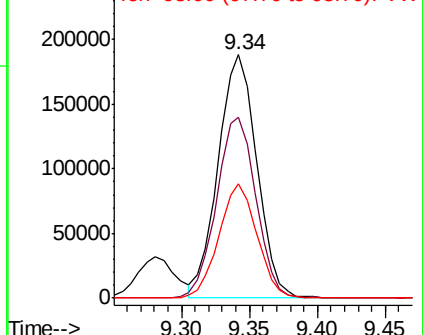
98 46.3 37.0 55.4

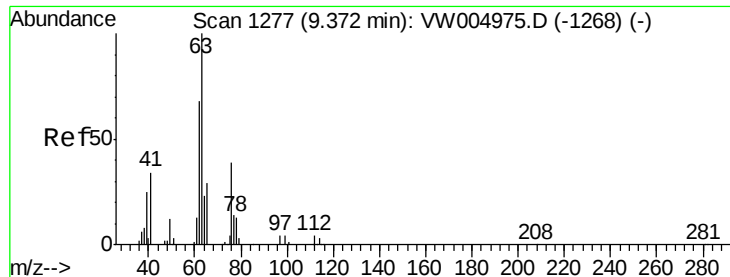


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.435 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

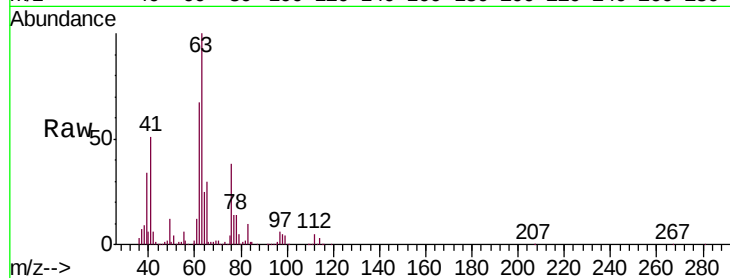
VSTD02586

Tgt Ion: 63 Resp: 218078

Ion Ratio Lower Upper

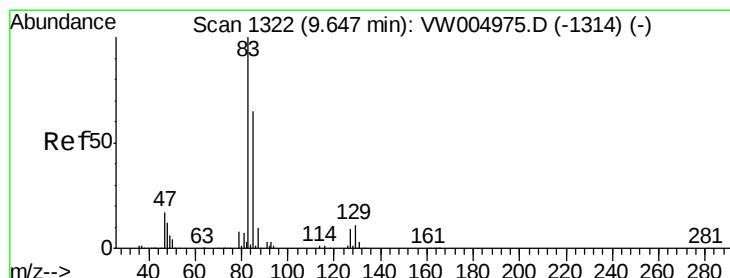
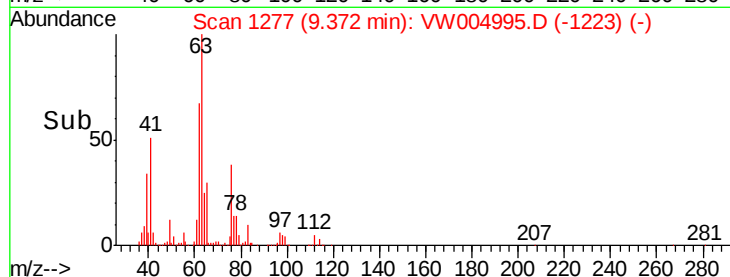
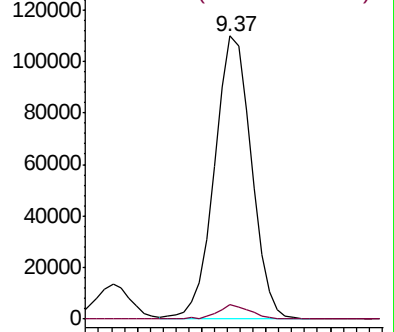
63 100

112 4.6 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.310 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

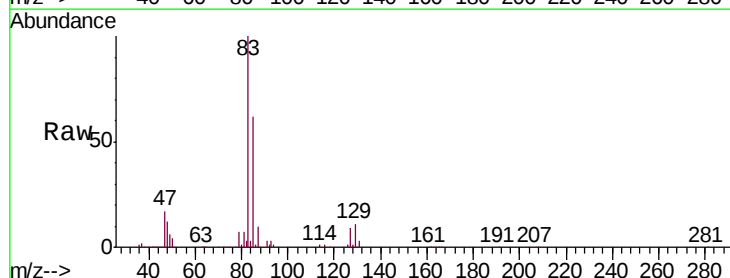
Tgt Ion: 83 Resp: 249264

Ion Ratio Lower Upper

83 100

85 61.9 43.6 81.0

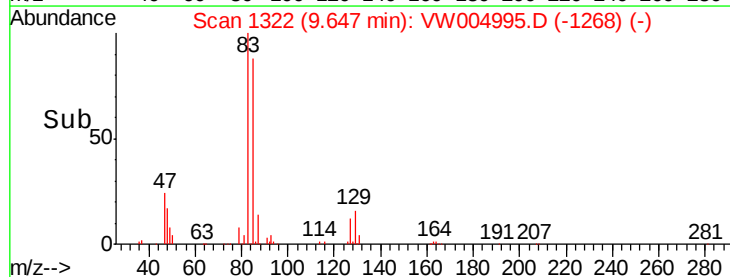
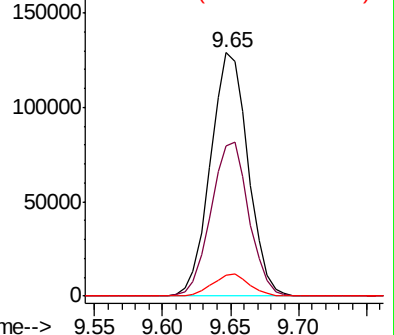
127 8.7 7.0 10.6

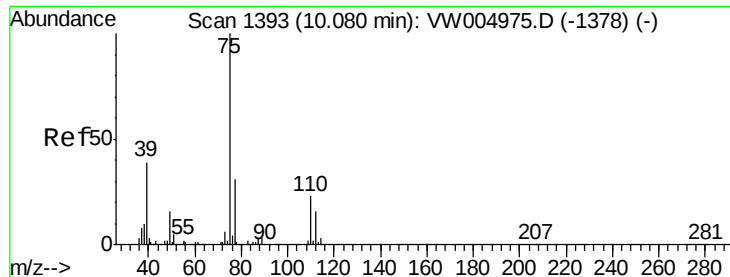


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.575 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

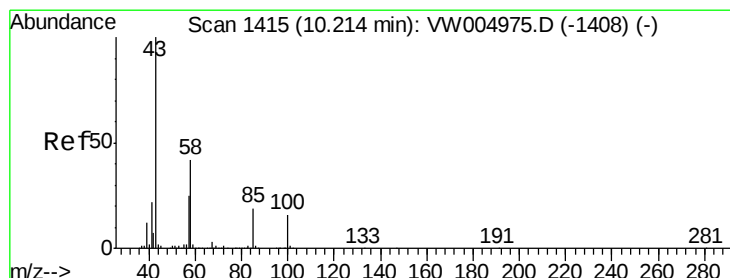
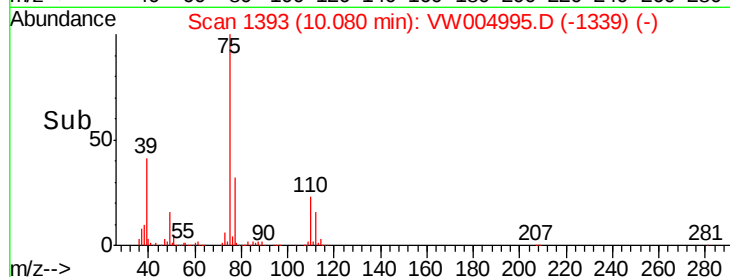
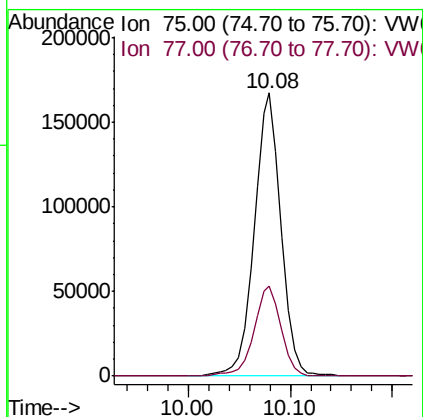
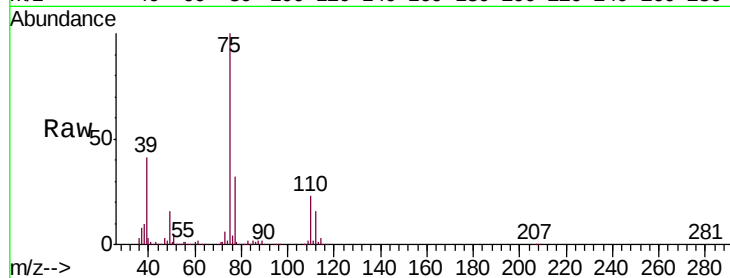
VSTD02586

Tgt Ion: 75 Resp: 304522

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 44.087 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

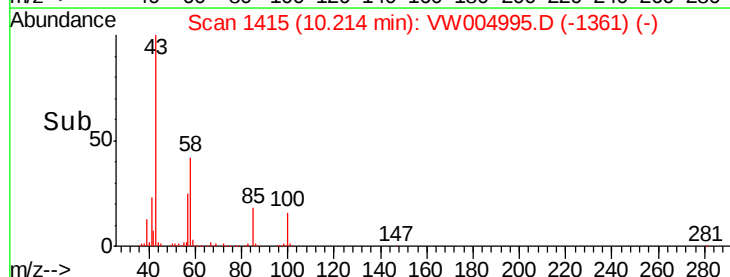
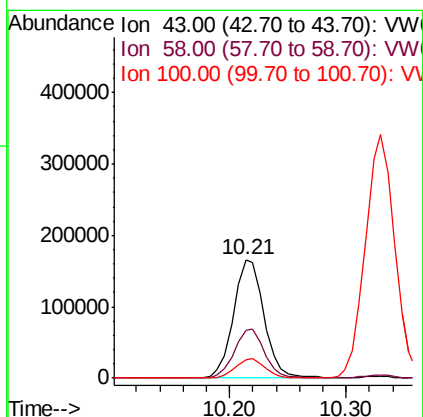
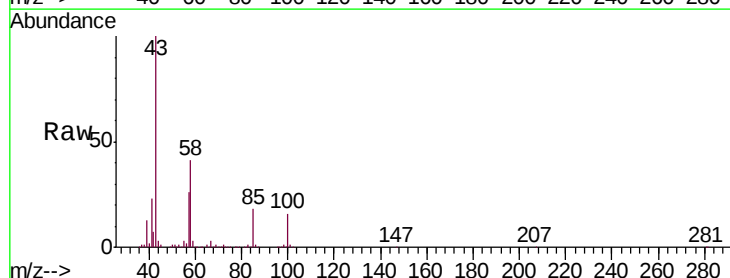
Tgt Ion: 43 Resp: 302852

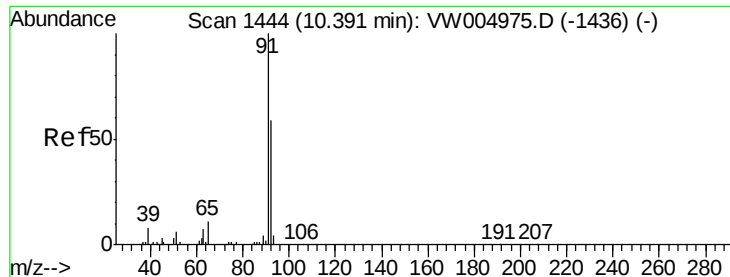
Ion Ratio Lower Upper

43 100

58 41.0 32.1 48.1

100 16.2 12.6 18.8





#44

Toluene

Concen: 22.938 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

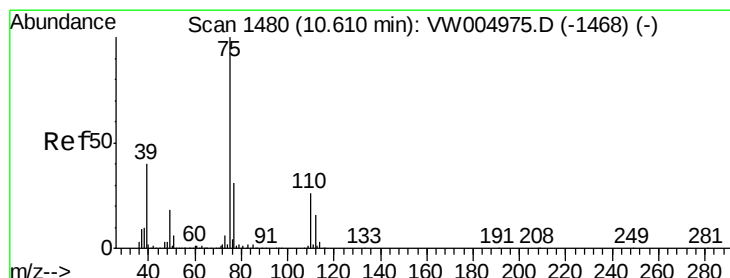
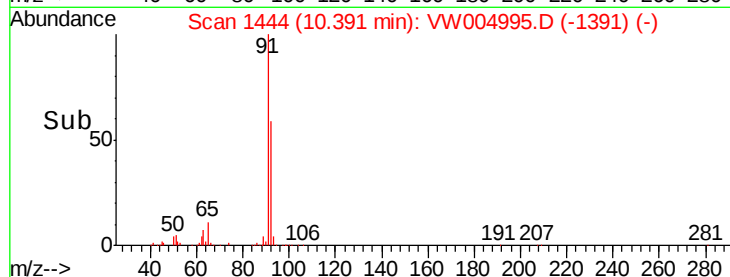
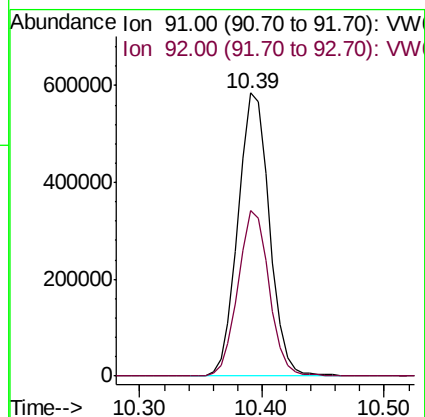
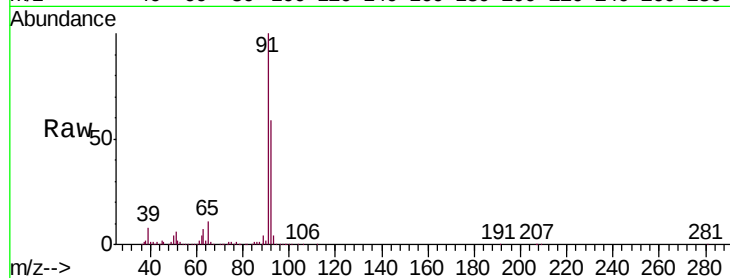
VSTD02586

Tgt Ion: 91 Resp: 1042083

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 23.071 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004995.D

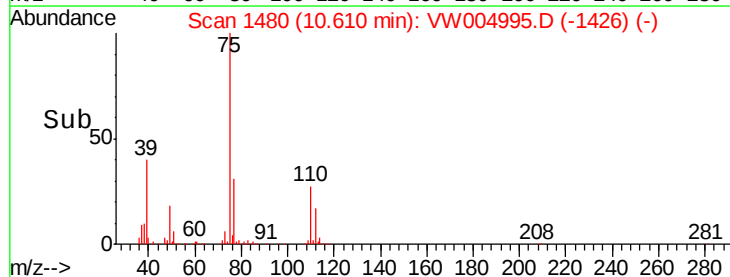
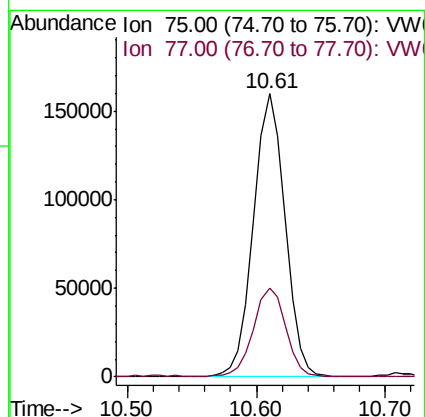
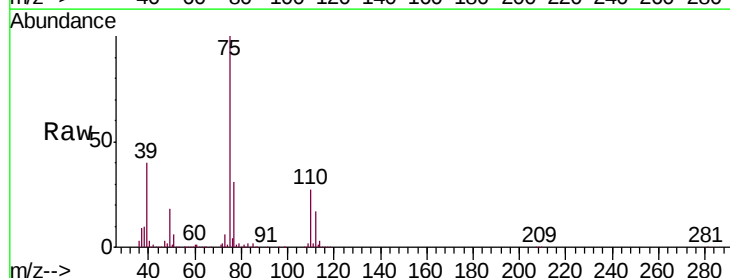
Acq: 28 Aug 2018 19:24

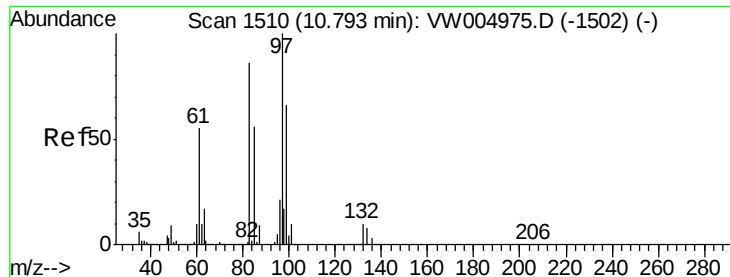
Tgt Ion: 75 Resp: 270284

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2





#46

1,1,2-Trichloroethane

Concen: 23.627 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

Tgt Ion: 97 Resp: 171612

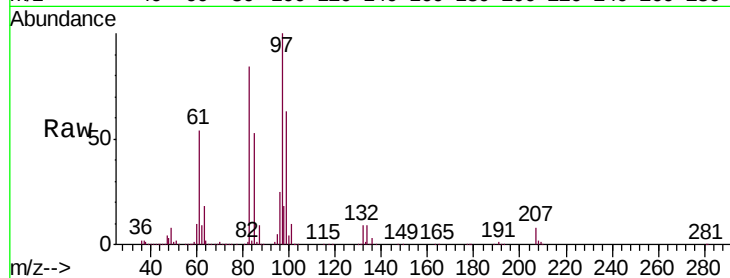
Ion Ratio Lower Upper

97 100

83 84.3 59.6 110.8

85 53.2 38.1 70.9

99 63.0 43.8 81.3

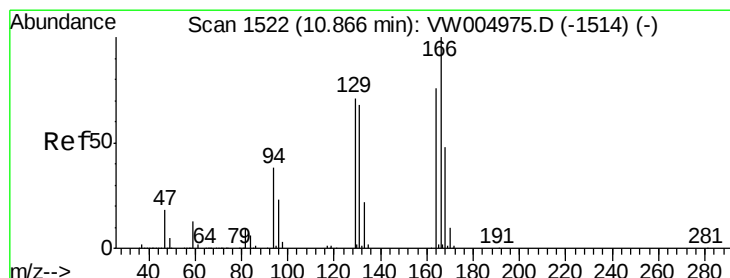
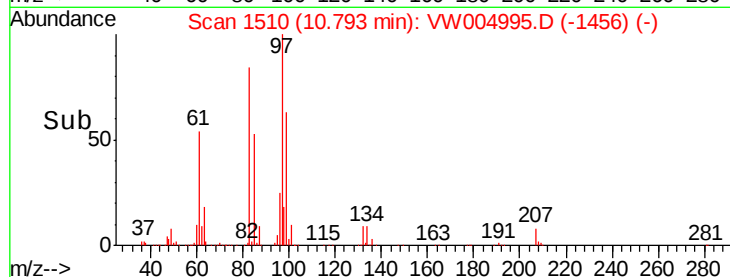
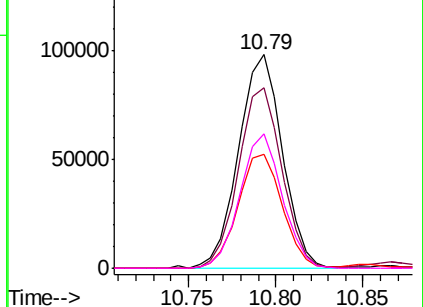


Abundance Ion 97.00 (96.70 to 97.70): VW

150000 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: 22.664 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Tgt Ion: 164 Resp: 208713

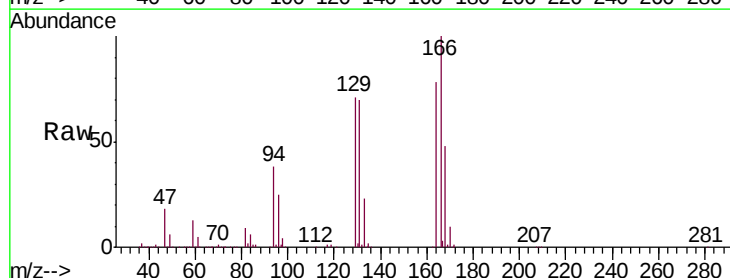
Ion Ratio Lower Upper

164 100

129 92.0 66.8 124.0

131 89.6 64.0 119.0

166 128.9 89.8 166.8

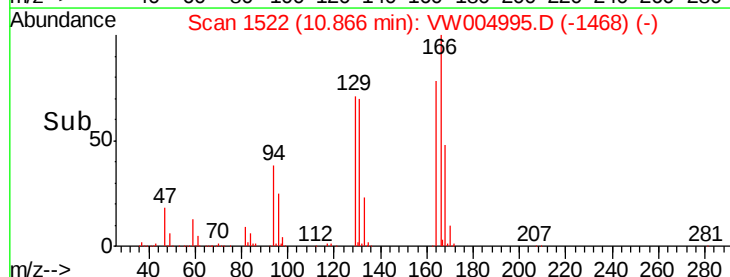
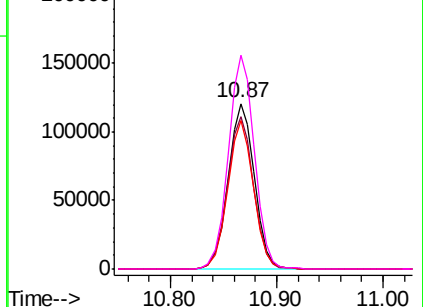


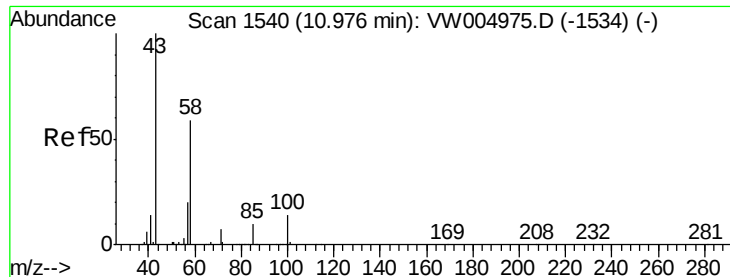
Abundance Ion 164.00 (163.70 to 164.70): V

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

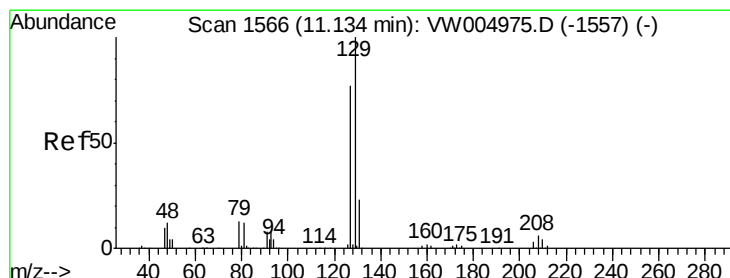
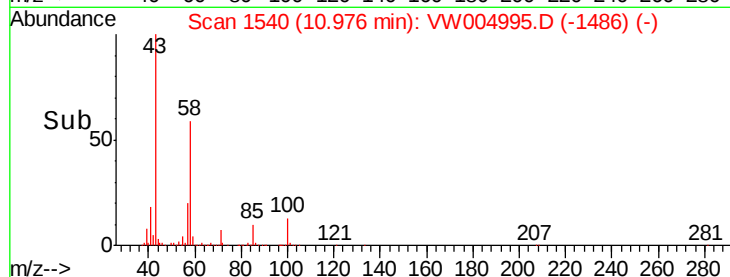
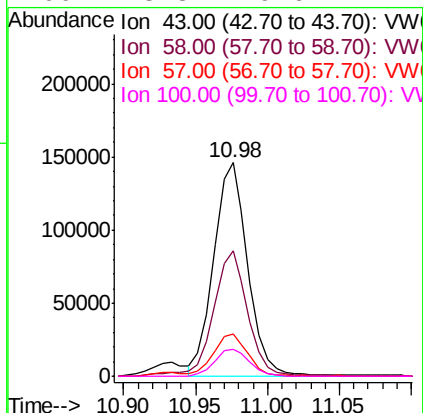
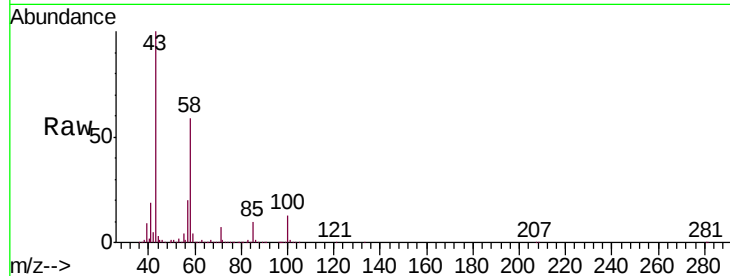




#49
2-Hexanone
Concen: 45.413 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

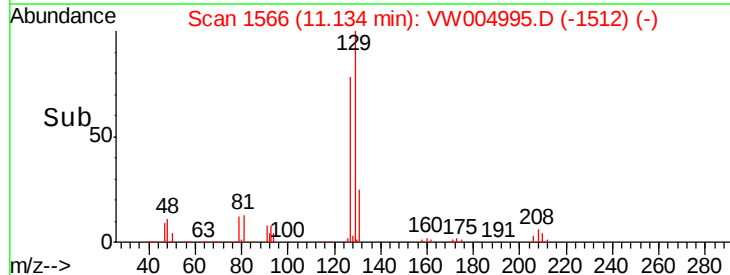
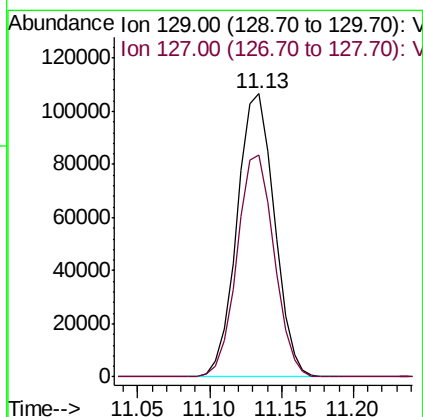
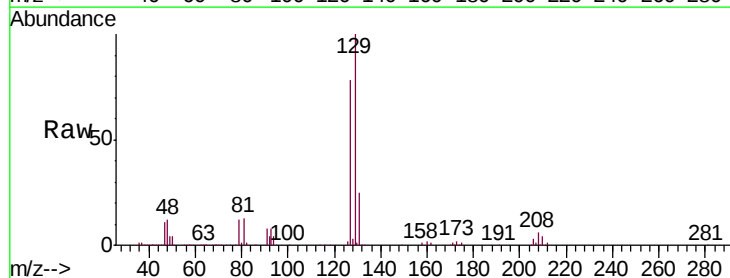
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

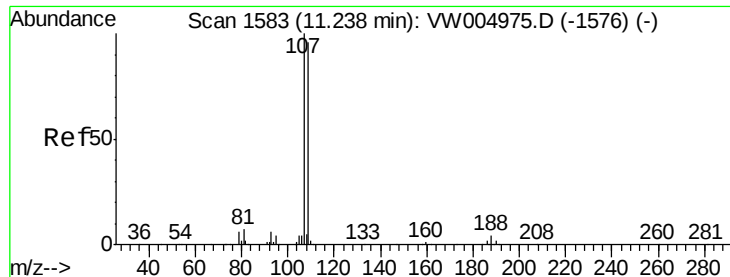
Tgt Ion:	43	Resp:	241076
Ion	Ratio	Lower	Upper
43	100		
58	59.5	44.6	67.0
57	19.8	15.4	23.2
100	13.3	9.6	14.4



#50
Dibromochloromethane
Concen: 23.928 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

Tgt Ion:	129	Resp:	192955
Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.8	99.8





#51

1,2-Dibromoethane

Concen: 22.269 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

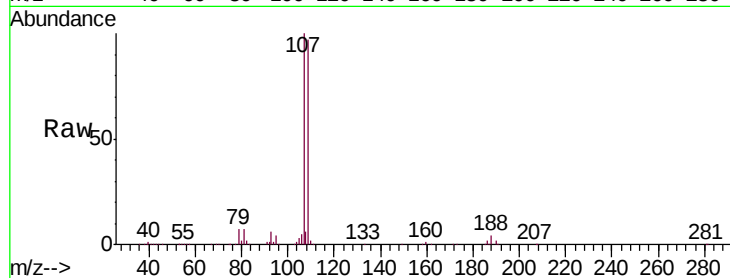
Tgt Ion:107 Resp: 158780

Ion Ratio Lower Upper

107 100

109 97.1 67.3 124.9

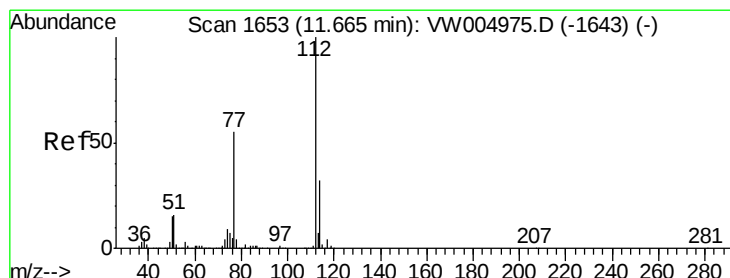
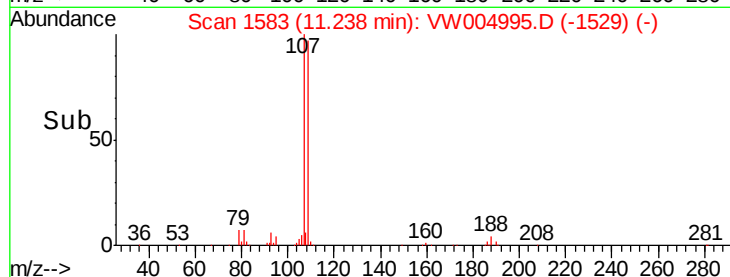
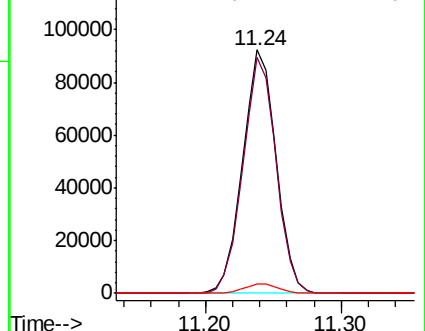
188 3.7 3.0 4.6



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: 22.772 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

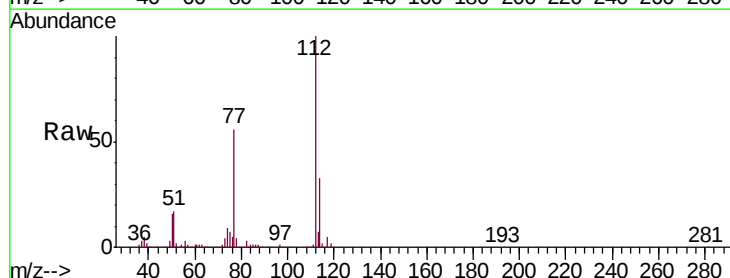
Tgt Ion:112 Resp: 687230

Ion Ratio Lower Upper

112 100

77 56.1 45.8 68.8

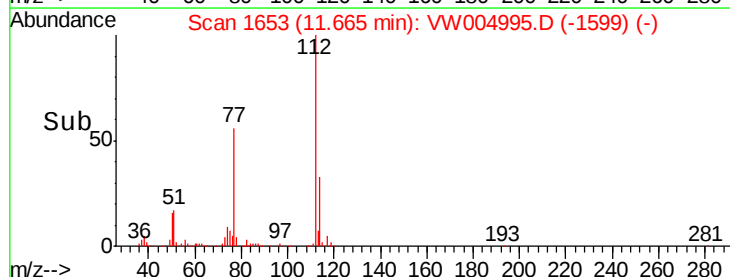
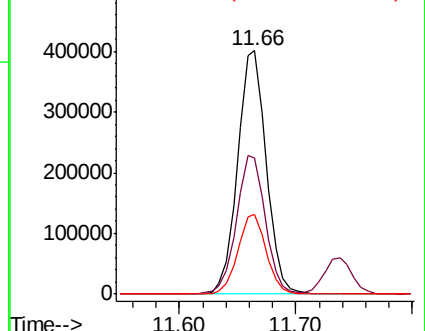
114 32.5 22.5 41.7

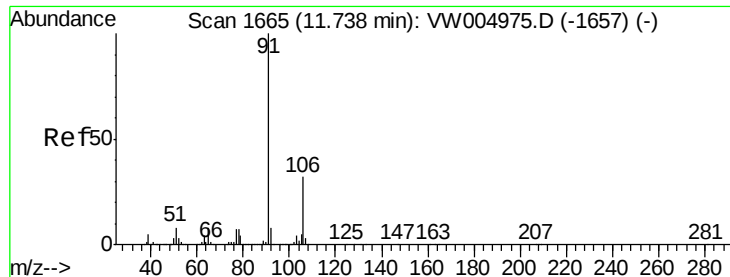


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

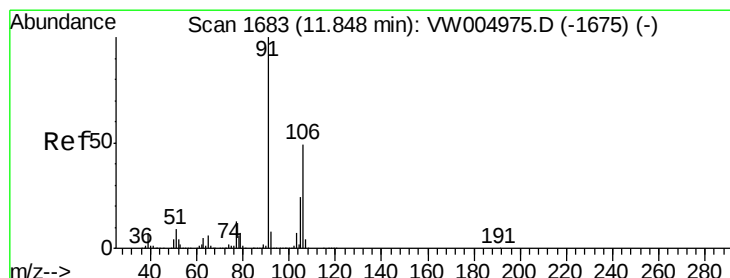
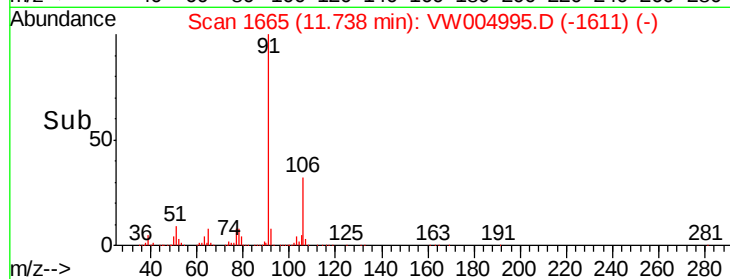
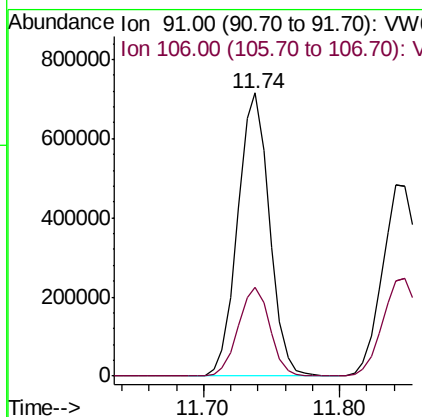
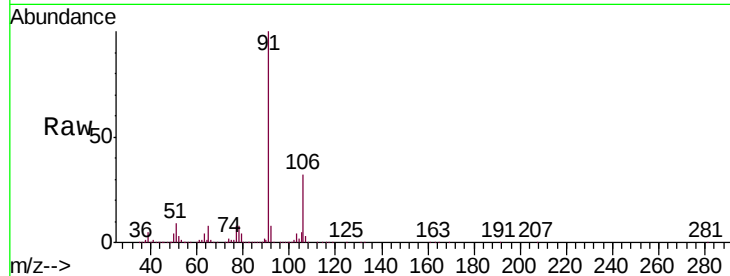




#53
Ethylbenzene
Concen: 22.755 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

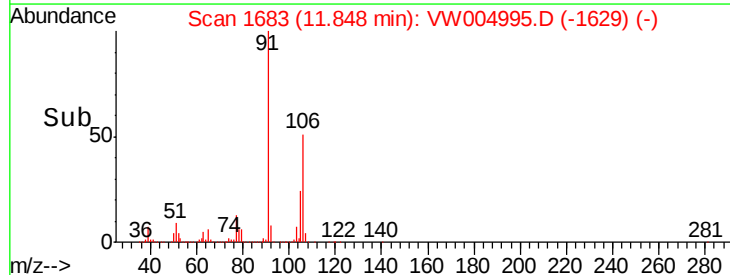
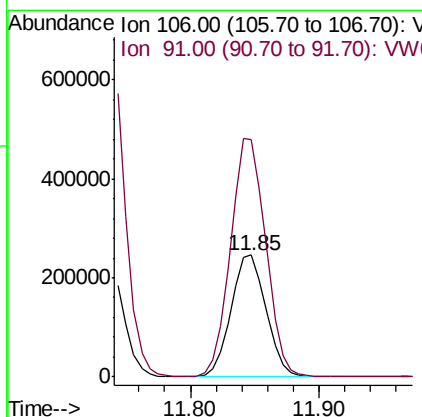
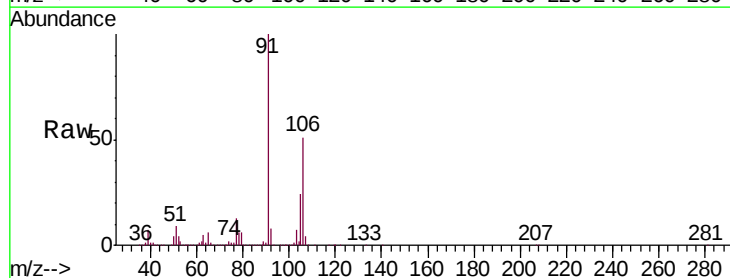
Instrument :
MSVOA_W
ClientSampleId :
VSTD02586

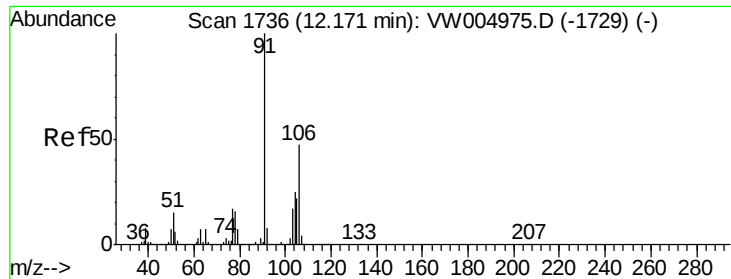
Tgt Ion: 91 Resp: 1163237
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.2



#54
m,p-Xylene
Concen: 23.387 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004995.D
Acq: 28 Aug 2018 19:24

Tgt Ion: 106 Resp: 463807
Ion Ratio Lower Upper
106 100
91 195.0 141.4 262.6





#55

o-xylene

Concen: 23.439 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

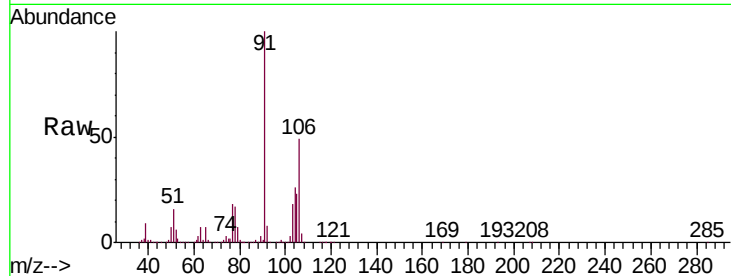
VSTD02586

Tgt Ion:106 Resp: 434314

Ion Ratio Lower Upper

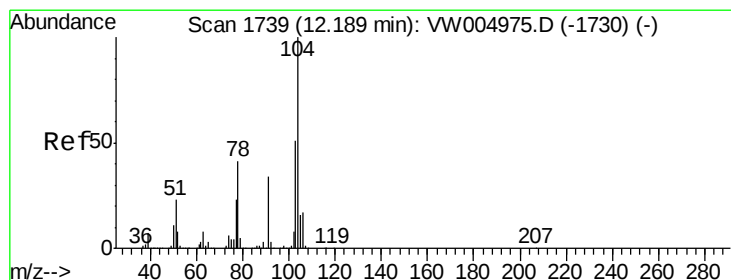
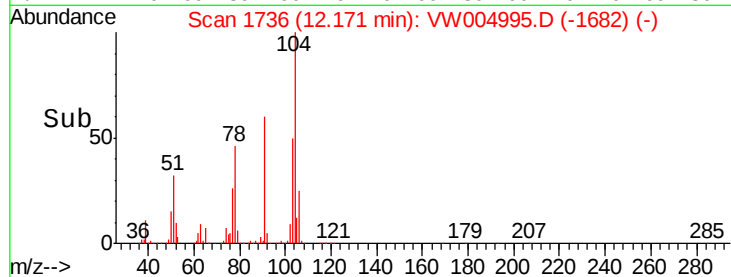
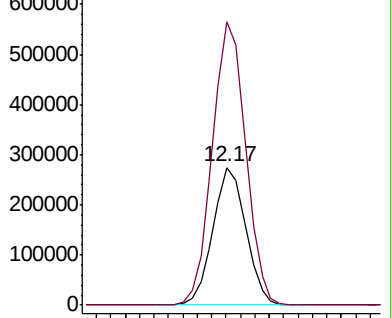
106 100

91 206.0 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.144 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004995.D

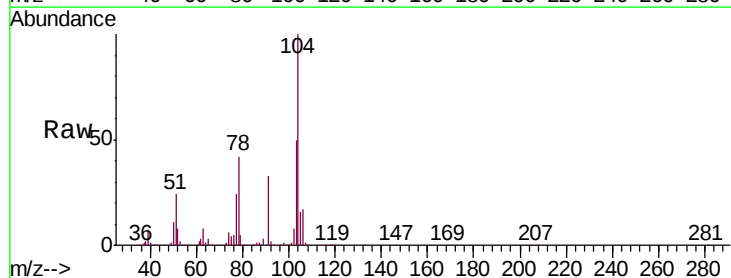
Acq: 28 Aug 2018 19:24

Tgt Ion:104 Resp: 768664

Ion Ratio Lower Upper

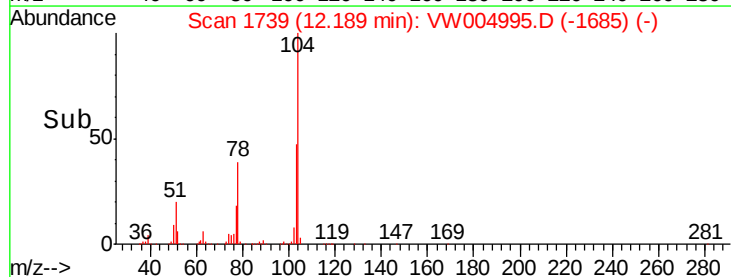
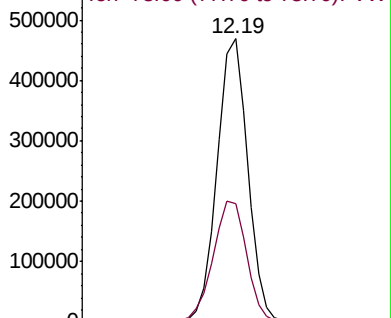
104 100

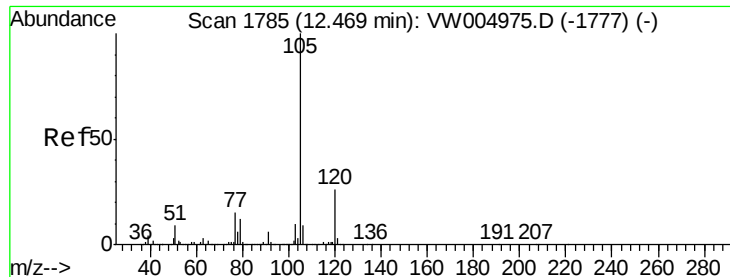
78 41.8 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.168 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

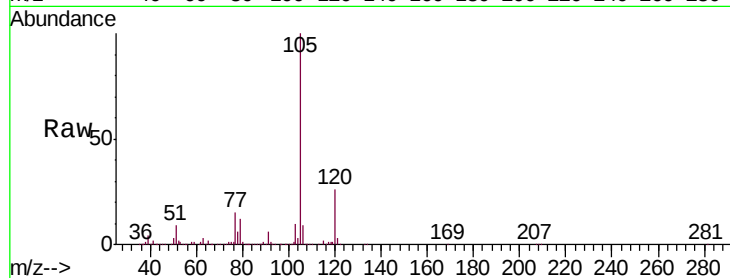
Tgt Ion: 105 Resp: 1146697

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

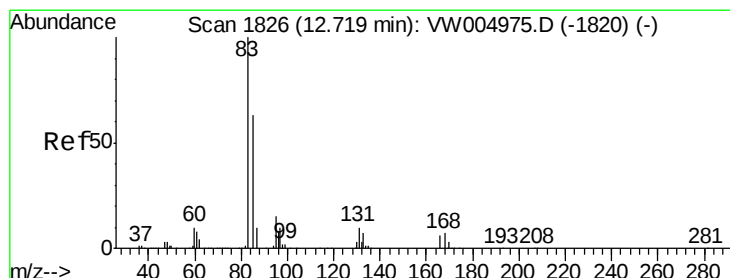
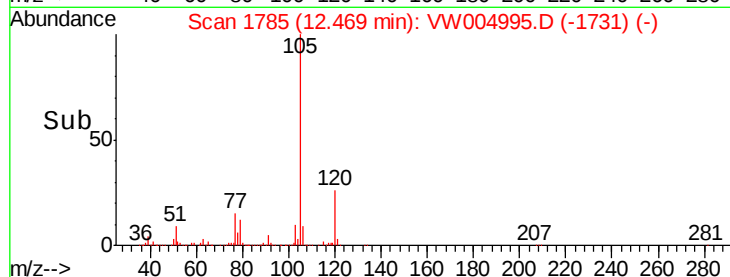
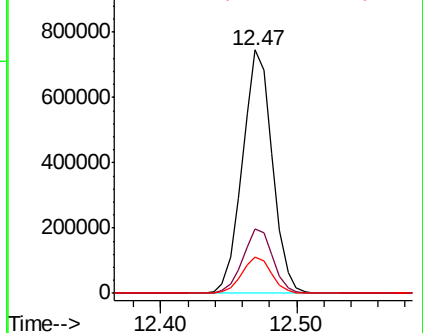
77 14.9 12.0 18.0



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: 22.992 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

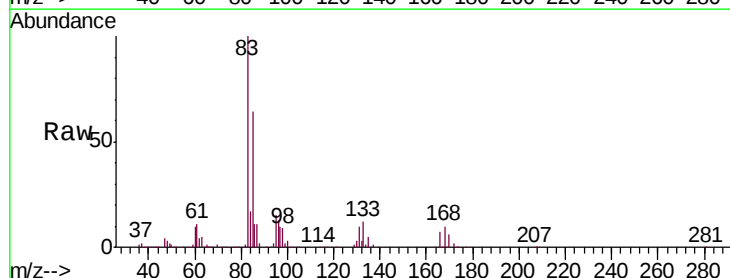
Tgt Ion: 83 Resp: 238018

Ion Ratio Lower Upper

83 100

85 63.7 46.3 85.9

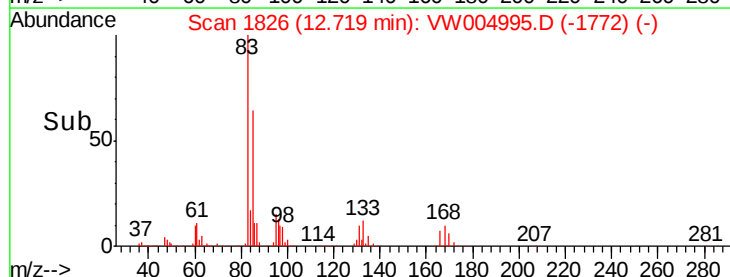
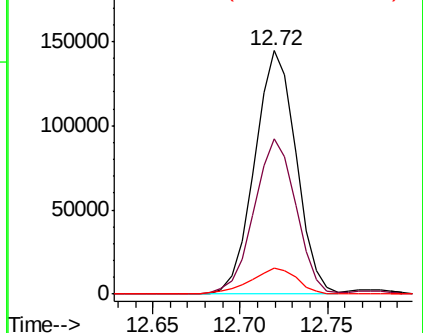
131 10.5 7.8 11.6

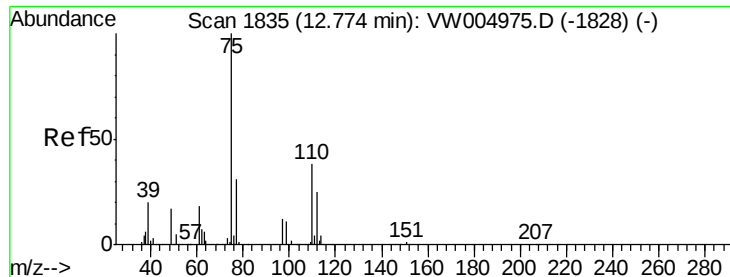


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.223 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

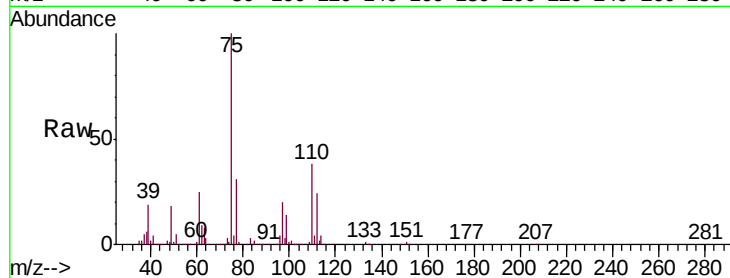
VSTD02586

Tgt Ion: 75 Resp: 177272

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

120000

100000

80000

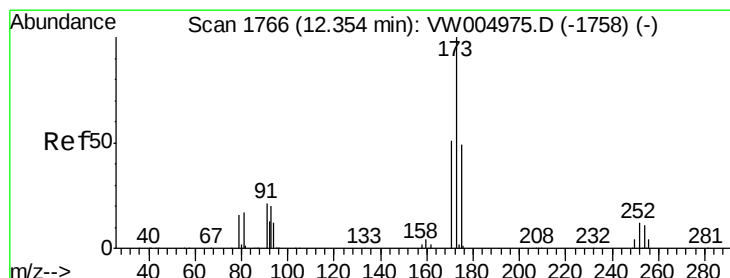
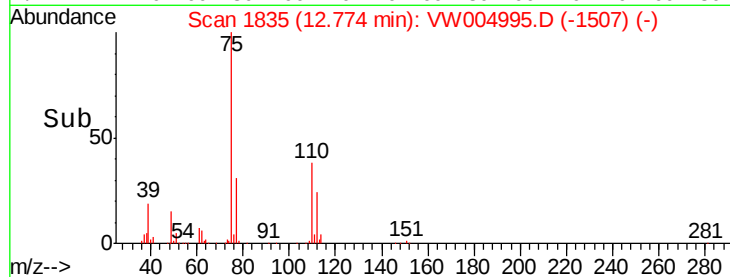
60000

40000

20000

0

Time-->



#62

Bromoform

Concen: 22.524 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

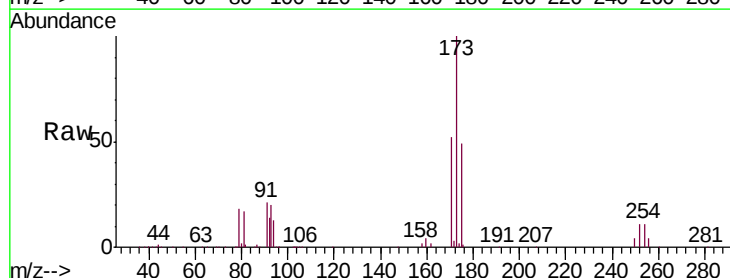
Tgt Ion: 173 Resp: 127518

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 11.5 9.0 13.6



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

100000

80000

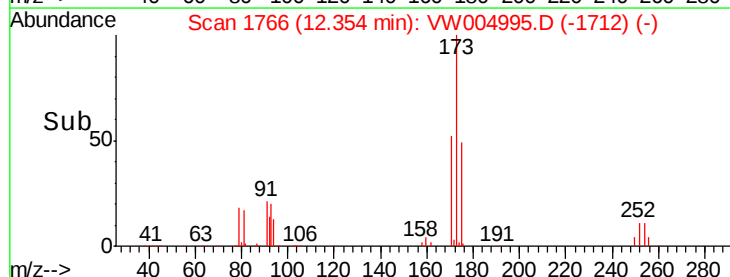
60000

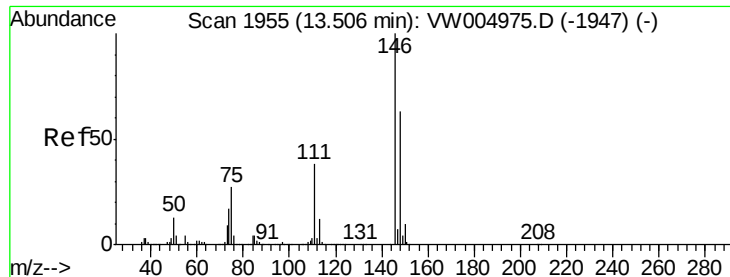
40000

20000

0

Time-->





#63

1,3-Dichlorobenzene

Concen: 22.284 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

VSTD02586

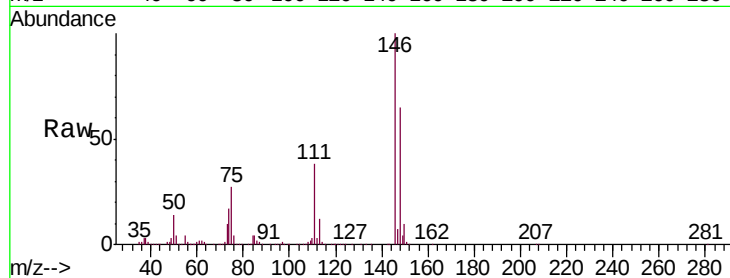
Tgt Ion:146 Resp: 548181

Ion Ratio Lower Upper

146 100

111 37.8 25.6 47.6

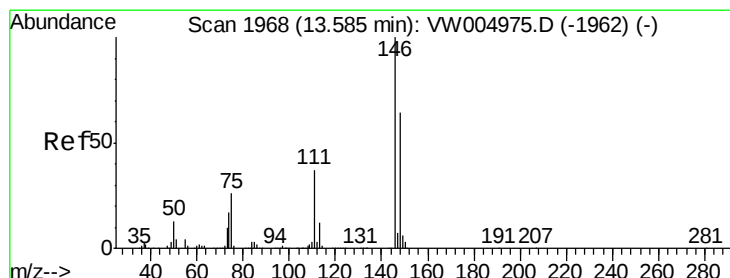
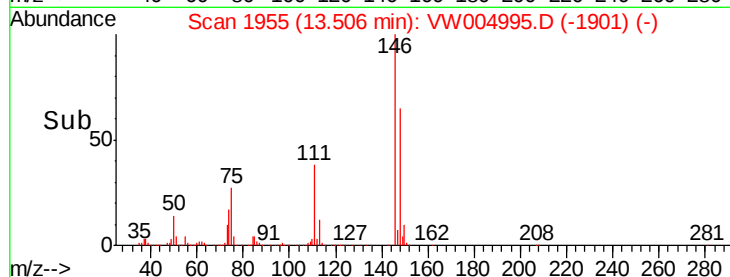
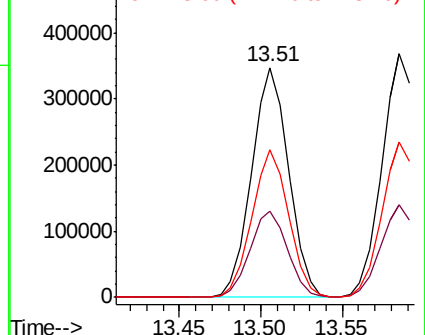
148 64.5 42.7 79.3



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



#64

1,4-Dichlorobenzene

Concen: 22.561 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

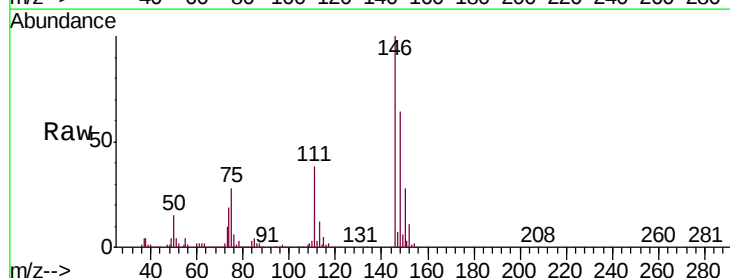
Tgt Ion:146 Resp: 581036

Ion Ratio Lower Upper

146 100

111 37.9 27.6 51.4

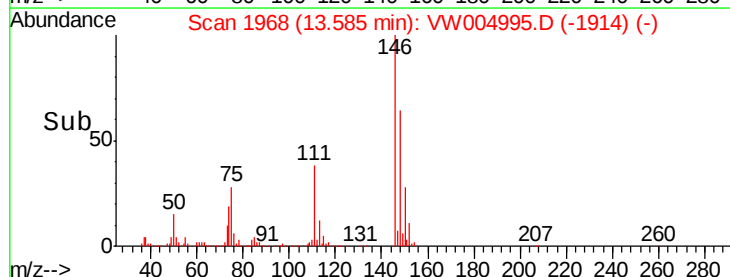
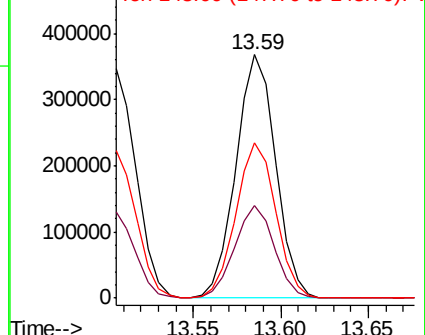
148 63.8 45.8 85.0

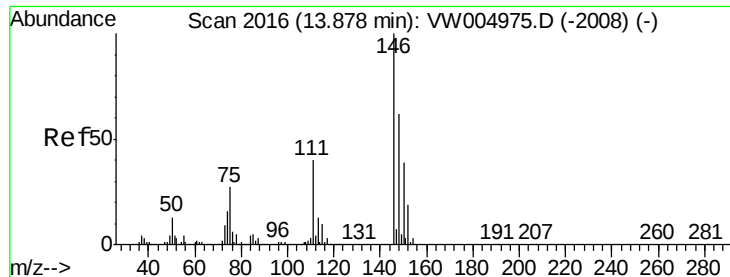


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

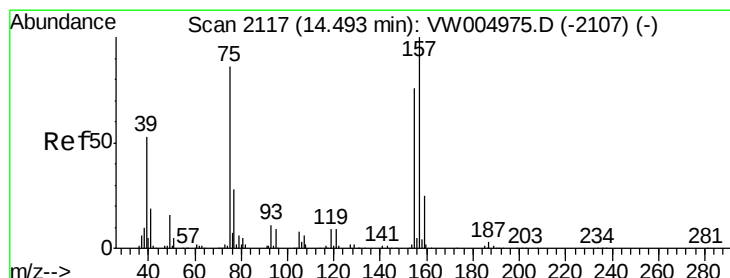
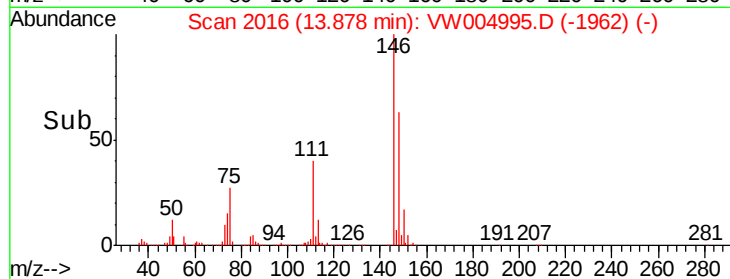
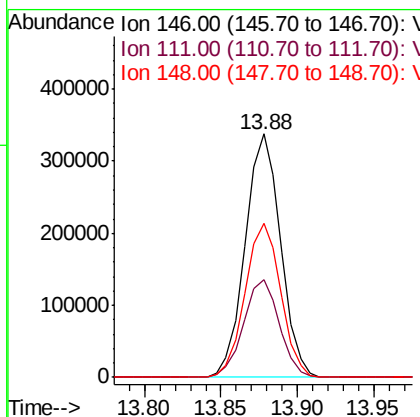
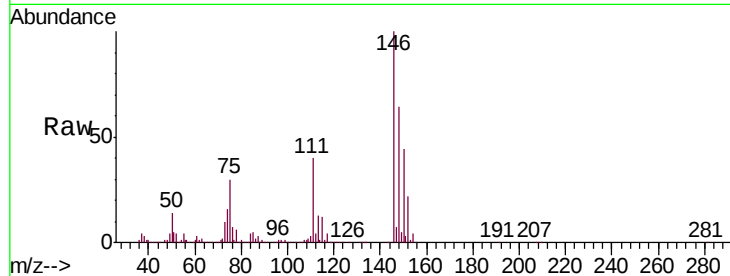




#65
 1,2-Dichlorobenzene
 Concen: 23.024 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

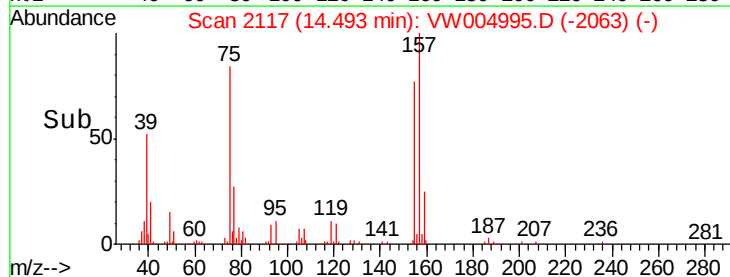
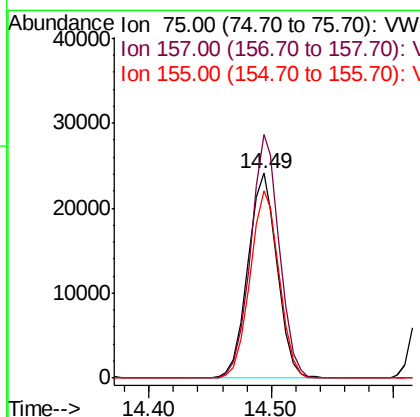
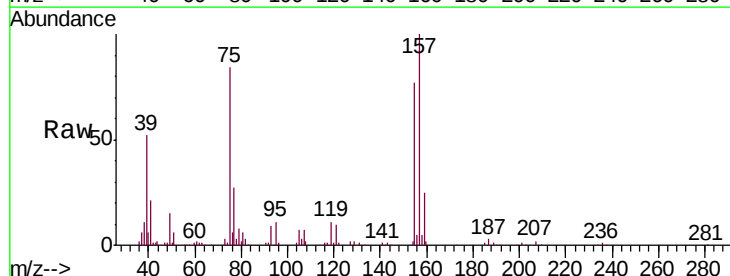
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

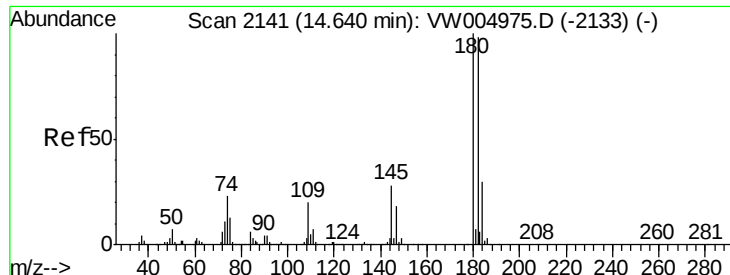
Tgt Ion: 146 Resp: 542702
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.0 48.0
 148 63.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.965 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

Tgt Ion: 75 Resp: 39907
 Ion Ratio Lower Upper
 75 100
 157 119.0 90.7 136.1
 155 91.2 69.5 104.3

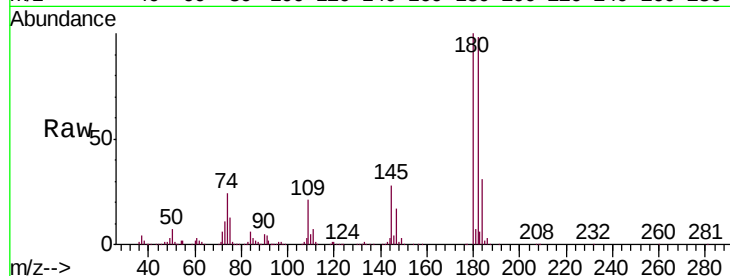




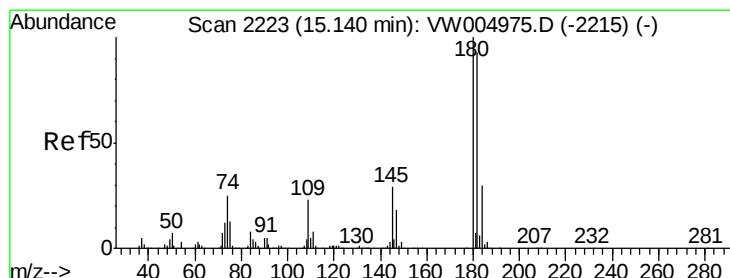
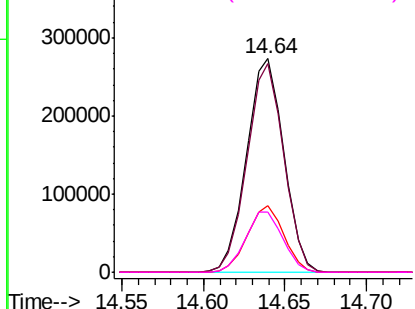
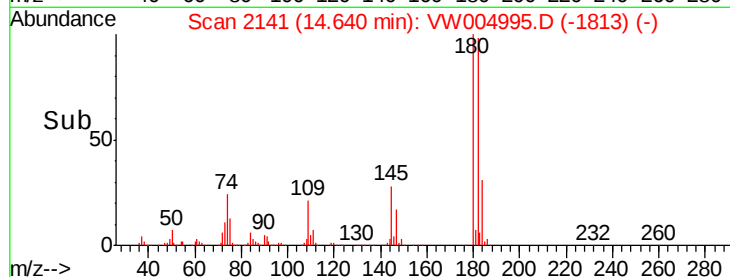
#67
 1,3,5-Trichlorobenzene
 Concen: 22.085 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Tgt Ion:	180	Resp:	434717
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.0	114.0
184	30.6	24.3	36.5
145	28.6	23.0	34.6

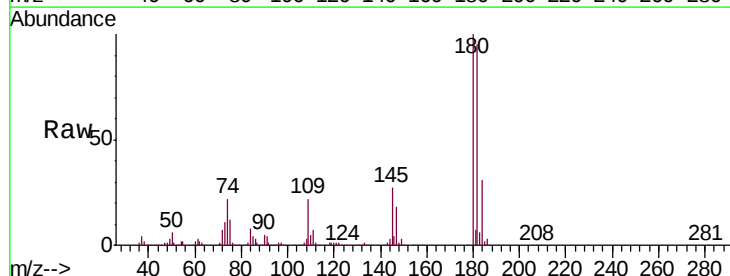


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

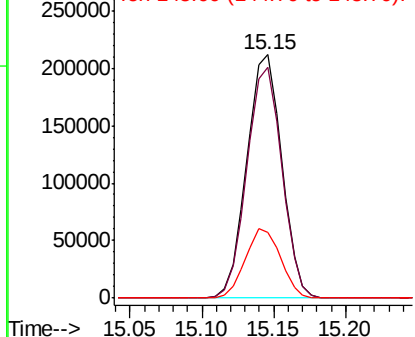
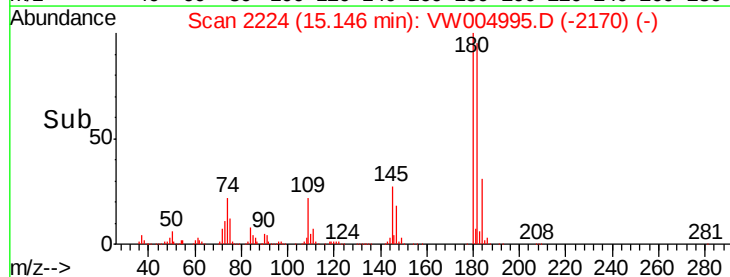


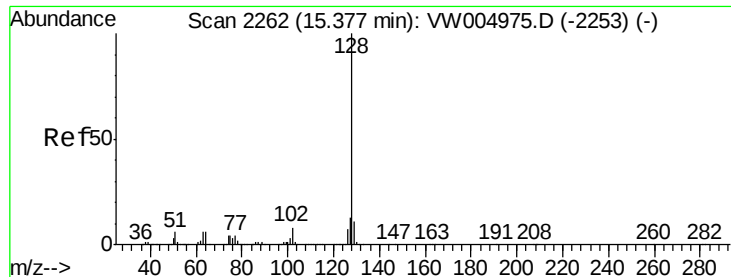
#68
 1,2,4-trichlorobenzene
 Concen: 22.370 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004995.D
 Acq: 28 Aug 2018 19:24

Tgt Ion:	180	Resp:	355530
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.1	114.1
145	28.6	23.3	34.9



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: 22.312 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

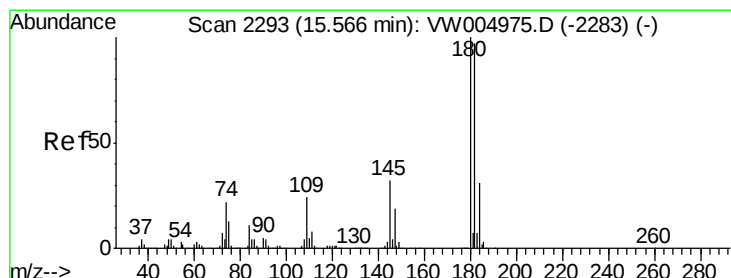
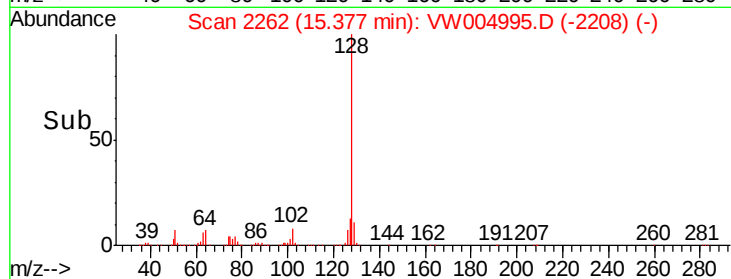
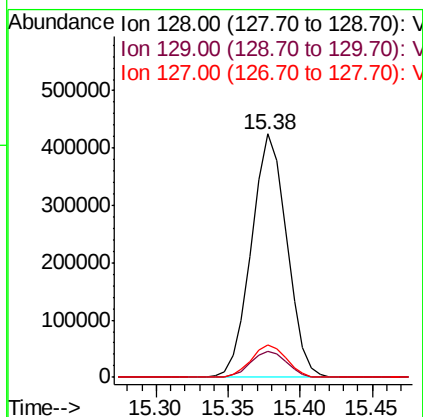
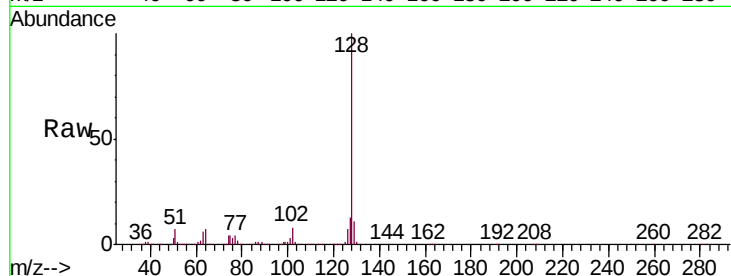
Instrument :

MSVOA_W

ClientSampled :

VSTD02586

Tgt Ion:	128	Resp:	720797
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8



#70

1,2,3-Trichlorobenzene

Concen: 23.393 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004995.D

Acq: 28 Aug 2018 19:24

Tgt Ion:	180	Resp:	350190
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.6
145	30.7	24.6	37.0

