

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080718\
 Data File : VW004485.D
 Acq On : 07 Aug 2018 08:56
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Quant Time: Aug 08 05:36:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 06 04:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1032100	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	992468	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	507285	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	276827	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.24%
7) Chloroethane-d5	2.90	69	248719	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
10) 1,1-Dichloroethene-d2	4.01	63	594458	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.20%
20) 2-Butanone-d5	7.10	46	246614	43.57	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.14%
24) Chloroform-d	7.65	84	640836	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.31	65	337492	21.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.64%
29) Benzene-d6	8.28	84	1225676	23.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.84%
33) 1,2-Dichloropropane-d6	9.28	67	405405	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.33	98	1105474	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.00%
38) trans-1,3-Dichloropropene-	10.58	79	167045	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.16%
39) 2-Hexanone-d5	10.93	63	196091	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	421669	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	453945	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	267439	24.923 ug/L	99
3) Chloromethane	2.21	50	289990	20.460 ug/L	98
5) Vinyl chloride	2.37	62	459599	24.849 ug/L	98
6) Bromomethane	2.79	94	252379	23.594 ug/L	97
8) Chloroethane	2.93	64	274367	24.727 ug/L	96
9) Trichlorofluoromethane	3.26	101	229570	27.212 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	384848	26.273 ug/L	97
12) 1,1-Dichloroethene	4.03	96	347502	24.282 ug/L	98
13) Acetone	4.15	43	242244	49.398 ug/L	99
14) Carbon disulfide	4.37	76	1050658	23.935 ug/L	100
16) Methylene chloride	4.91	84	459496	22.414 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	488564	25.221 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	353128	24.129 ug/L	100
19) 1,1-Dichloroethane	6.22	63	661376	23.815 ug/L	100
21) 2-Butanone	7.19	43	278245	41.452 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	389767	24.400 ug/L	99
23) Bromochloromethane	7.52	128	173577	22.703 ug/L	96

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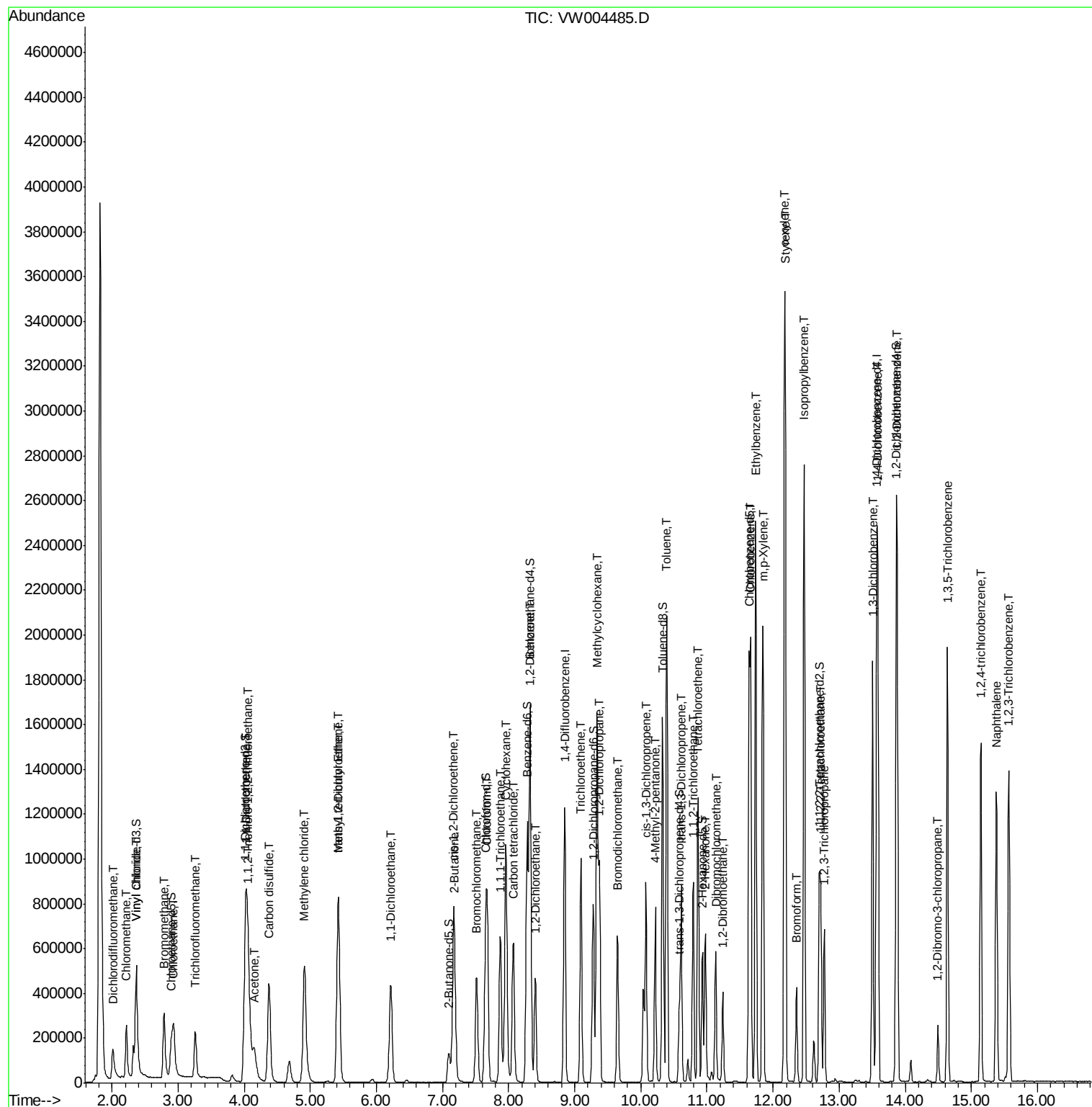
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	659202	23.255	ug/L	100
27) 1,2-Dichloroethane	8.40	62	413269	21.701	ug/L	100
30) Cyclohexane	7.96	56	618924	26.369	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	533684	25.310	ug/L	98
32) Carbon tetrachloride	8.07	117	494524	24.335	ug/L	100
34) Benzene	8.33	78	1478640	24.164	ug/L	100
35) Trichloroethene	9.09	95	365593	23.753	ug/L	99
36) Methylcyclohexane	9.34	83	694203	25.693	ug/L	100
40) 1,2-Dichloropropane	9.37	63	383040	23.635	ug/L	100
41) Bromodichloromethane	9.65	83	440239	22.614	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	538841	24.305	ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	521969	42.955	ug/L	100
44) Toluene	10.39	91	1546661	25.117	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	482809	24.227	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	287045	22.783	ug/L	99
47) Tetrachloroethene	10.87	164	296366	24.336	ug/L	99
49) 2-Hexanone	10.98	43	409150	44.806	ug/L	99
50) Dibromochloromethane	11.13	129	323426	23.141	ug/L	99
51) 1,2-Dibromoethane	11.24	107	276710	22.912	ug/L	98
52) Chlorobenzene	11.66	112	1006305	24.164	ug/L	99
53) Ethylbenzene	11.74	91	1756436	25.383	ug/L	99
54) m,p-Xylene	11.85	106	665541	25.780	ug/L	98
55) o-xylene	12.17	106	633990	25.918	ug/L	100
56) Styrene	12.19	104	1114485	26.146	ug/L	98
57) Isopropylbenzene	12.47	105	1768008	26.702	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	398931	21.816	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	295863	21.663	ug/L	100
62) Bromoform	12.35	173	204785	22.212	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	780935	24.740	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	813549	23.981	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	755663	23.893	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	64079	19.724	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	626429	25.034	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	515805	25.480	ug/L	99
69) Naphthalene	15.38	128	1105511	23.946	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	495748	25.146	ug/L	100

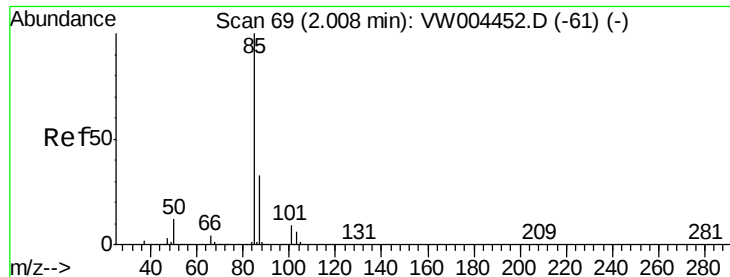
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.923 ug/L

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

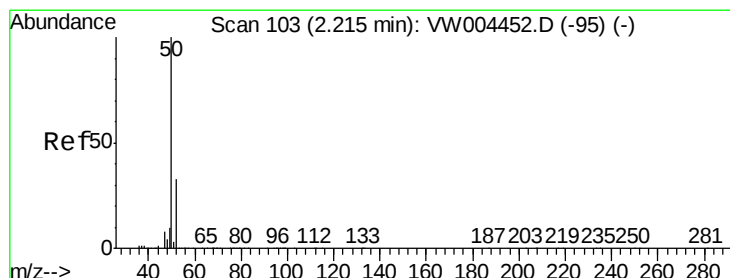
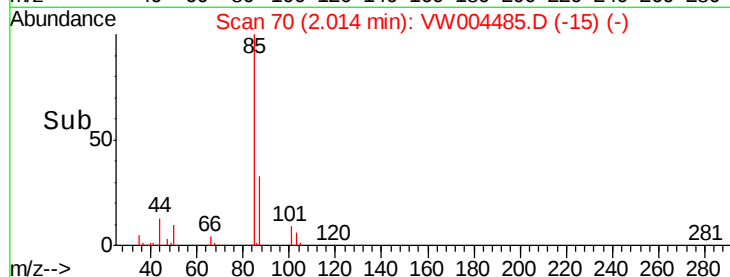
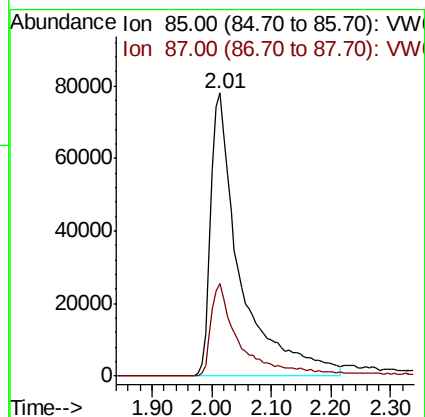
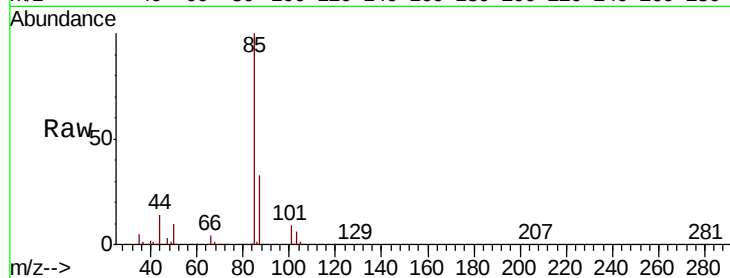
VSTD02581

Tgt Ion: 85 Resp: 267439

Ion Ratio Lower Upper

85 100

87 29.2 20.2 37.4



#3

Chloromethane

Concen: 20.460 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004485.D

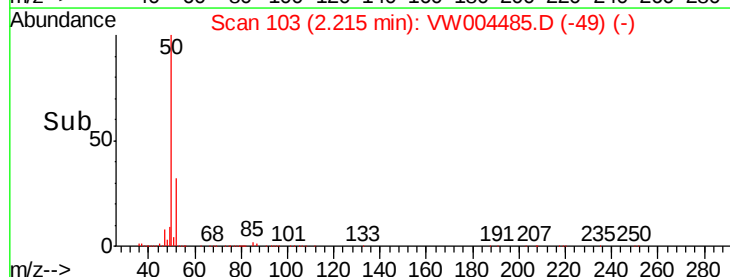
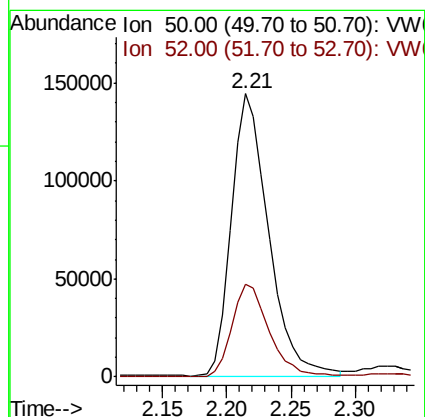
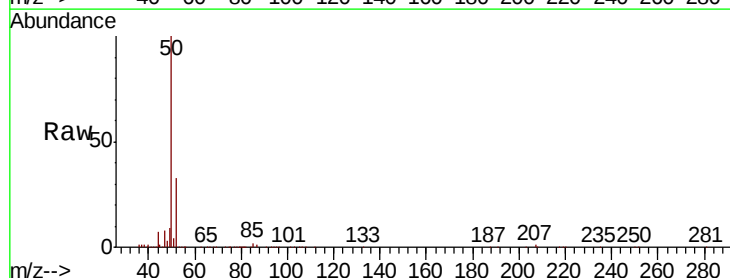
Acq: 07 Aug 2018 08:56

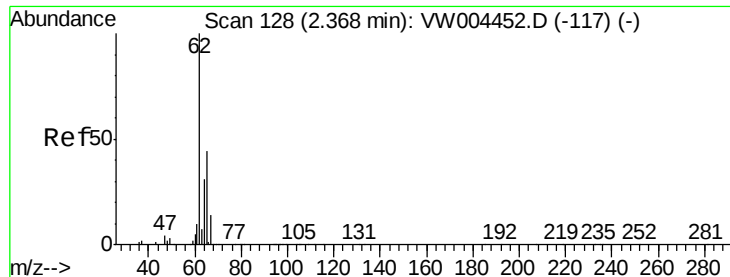
Tgt Ion: 50 Resp: 289990

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.6





#5

Vinyl chloride

Concen: 24.849 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

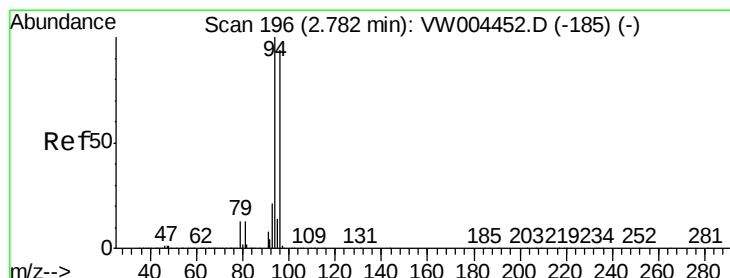
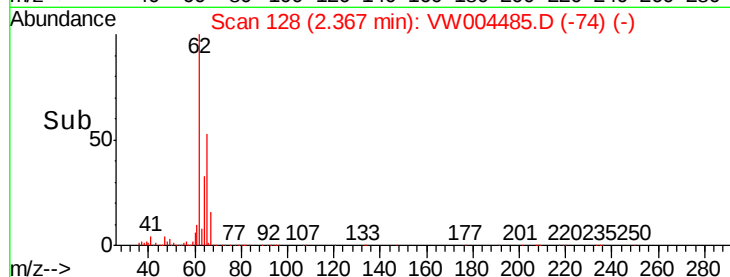
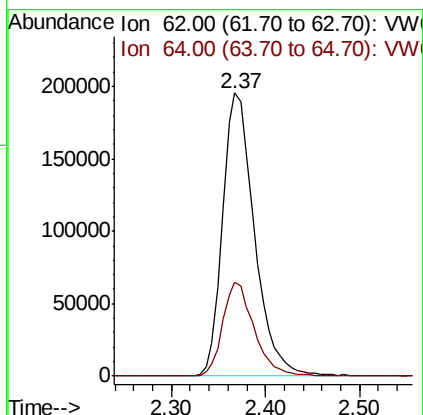
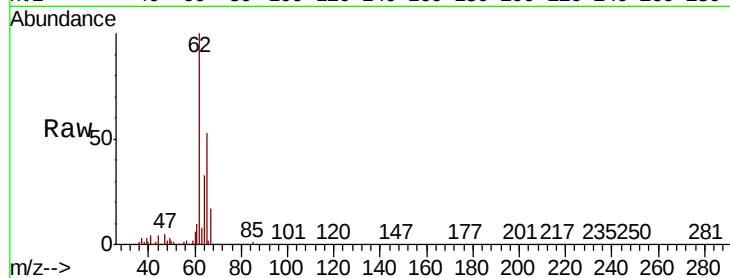
VSTD02581

Tgt Ion: 62 Resp: 459599

Ion Ratio Lower Upper

62 100

64 33.1 24.0 44.6



#6

Bromomethane

Concen: 23.594 ug/L

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004485.D

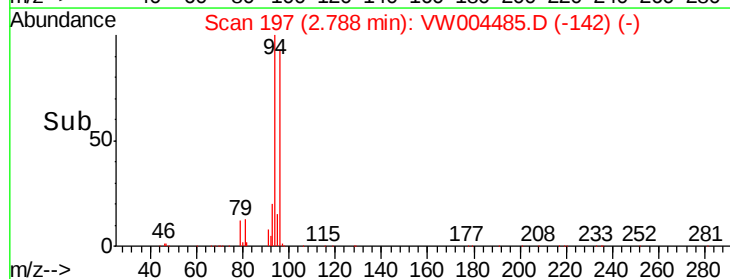
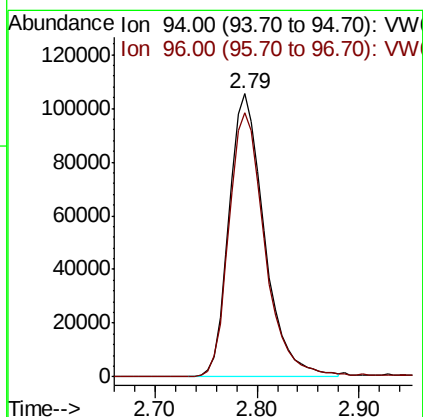
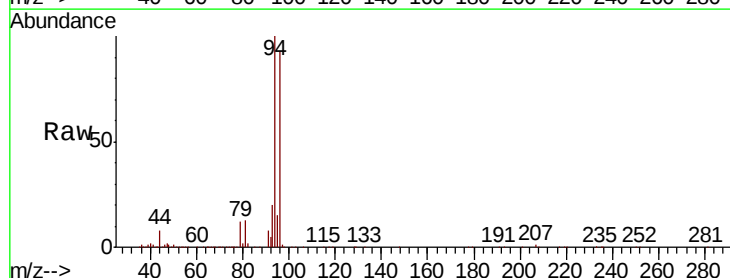
Acq: 07 Aug 2018 08:56

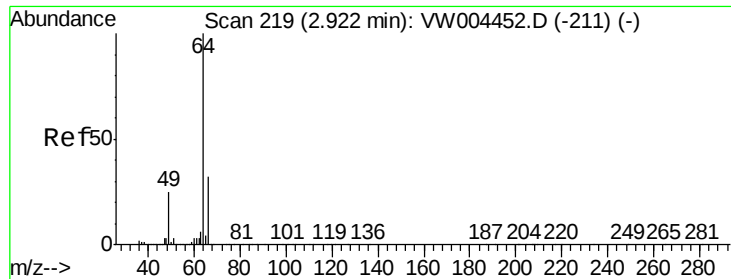
Tgt Ion: 94 Resp: 252379

Ion Ratio Lower Upper

94 100

96 94.9 9.2 175.2

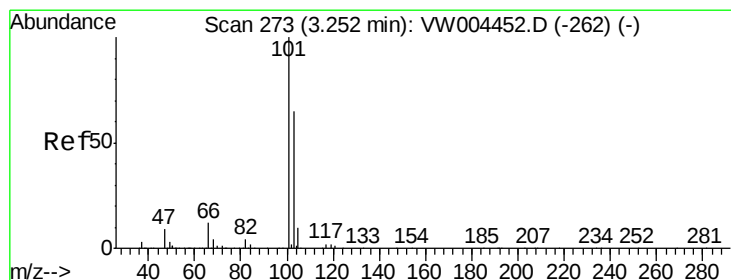
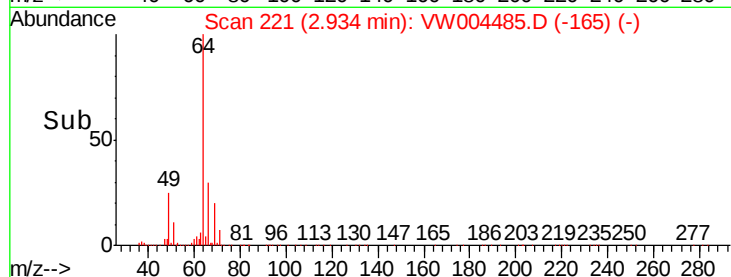
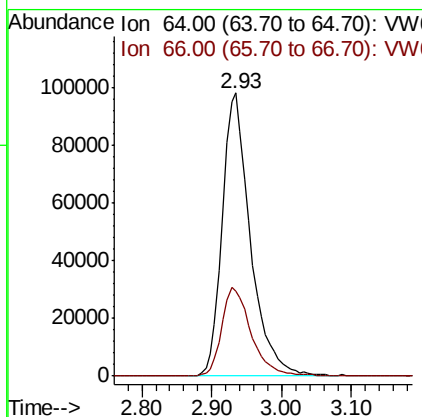
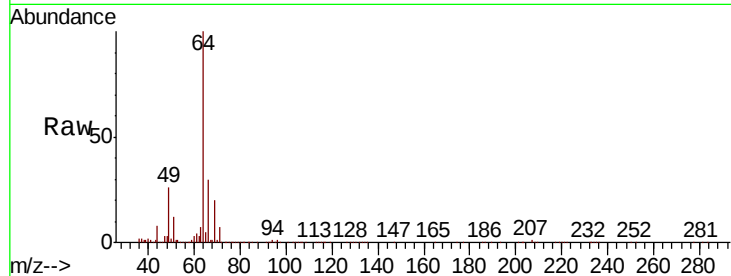




#8
Chloroethane
Concen: 24.727 ug/L
RT: 2.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

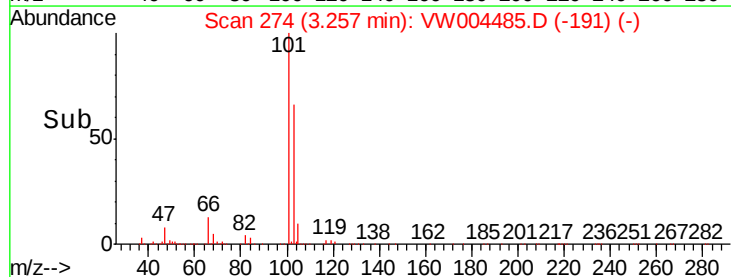
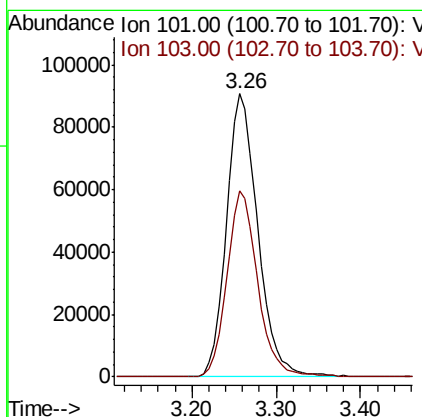
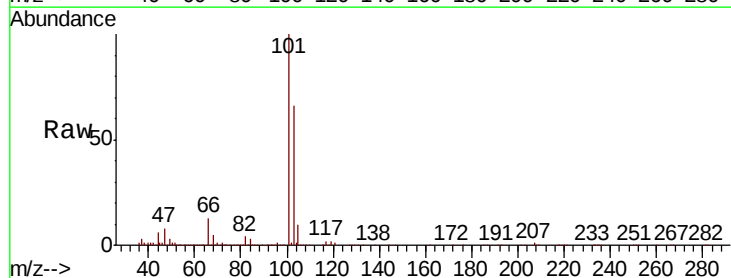
Instrument :
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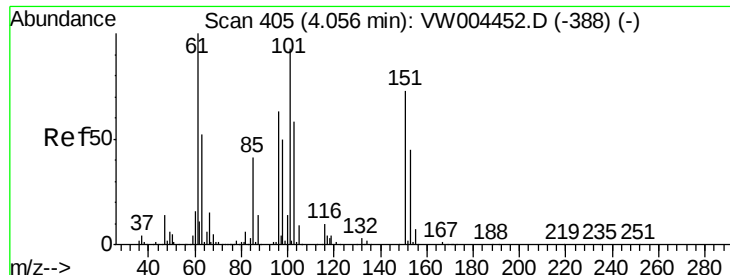
Tgt Ion: 64 Resp: 274367
Ion Ratio Lower Upper
64 100
66 30.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 27.212 ug/L
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Tgt Ion: 101 Resp: 229570
Ion Ratio Lower Upper
101 100
103 64.4 45.3 84.1





#11

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

Concen: 26.273 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

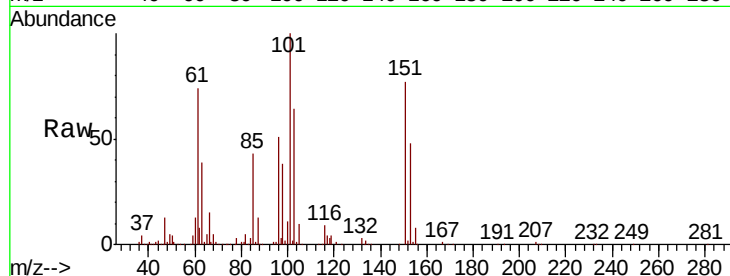
Tgt Ion:101 Resp: 384848

Ion Ratio Lower Upper

101 100

85 41.8 35.6 53.4

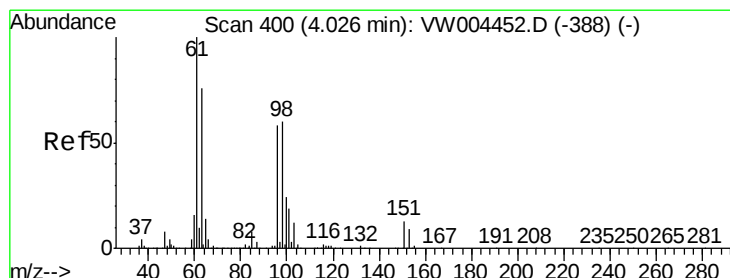
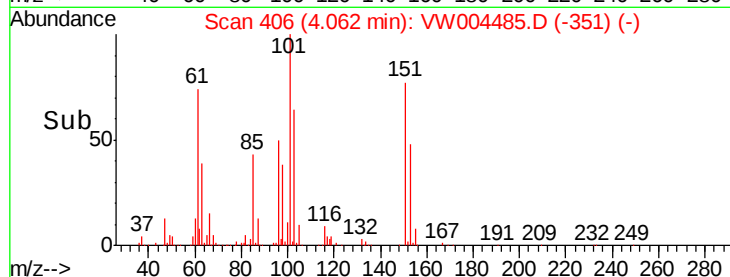
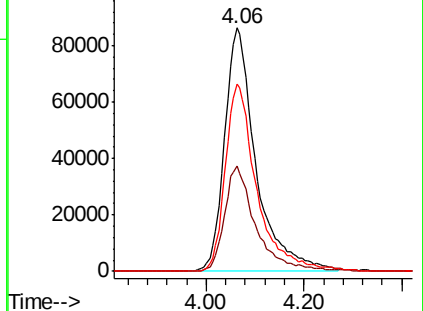
151 76.0 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.282 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

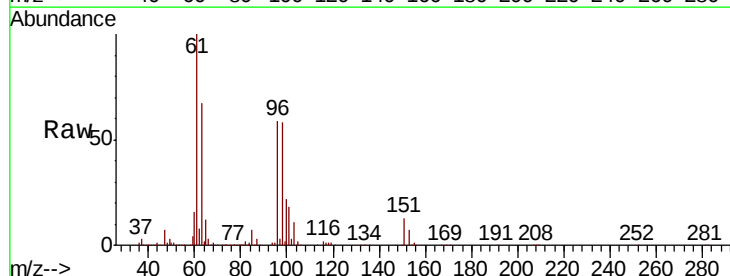
Tgt Ion: 96 Resp: 347502

Ion Ratio Lower Upper

96 100

61 168.8 115.9 215.3

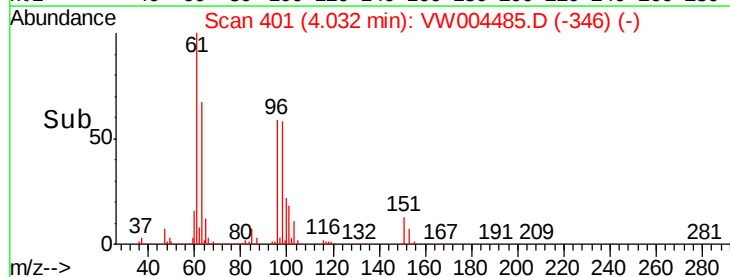
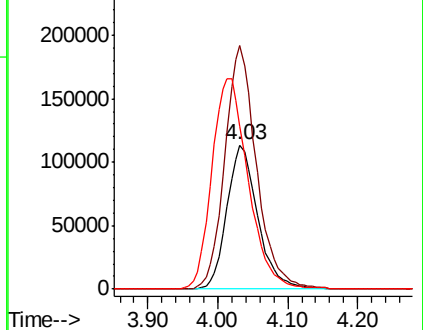
63 113.0 78.0 144.9

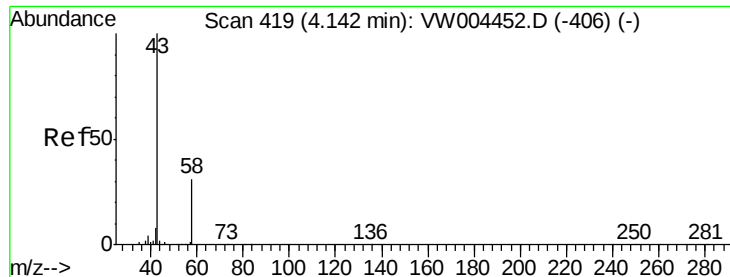


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.398 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

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ClientSampled :

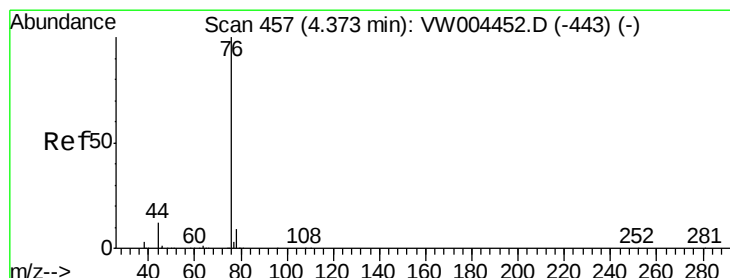
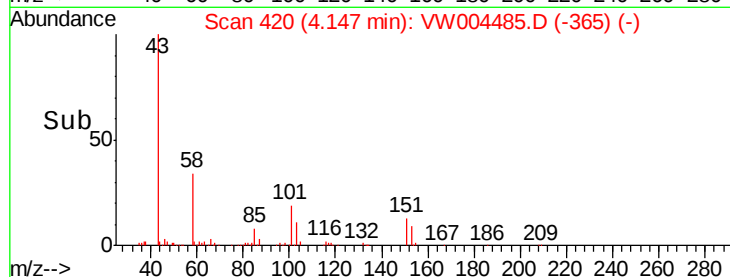
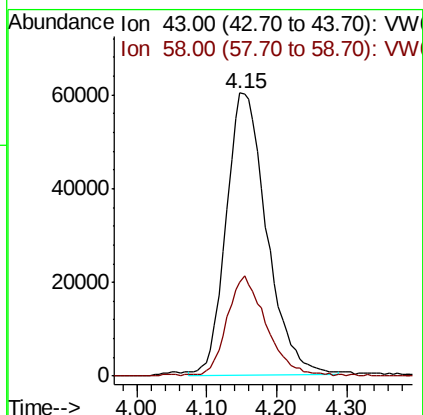
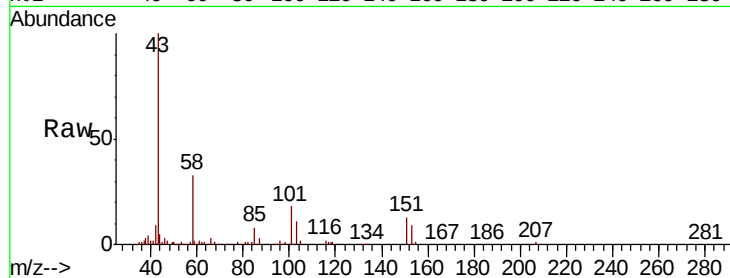
VSTD02581

Tgt Ion: 43 Resp: 242244

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.4



#14

Carbon disulfide

Concen: 23.935 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004485.D

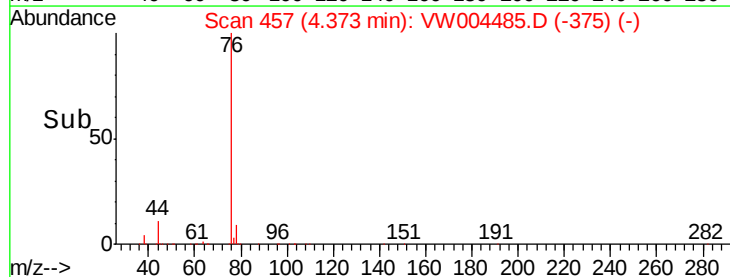
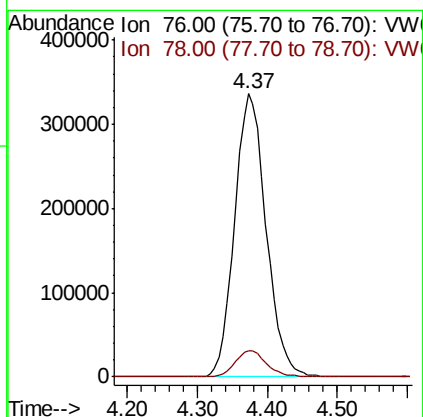
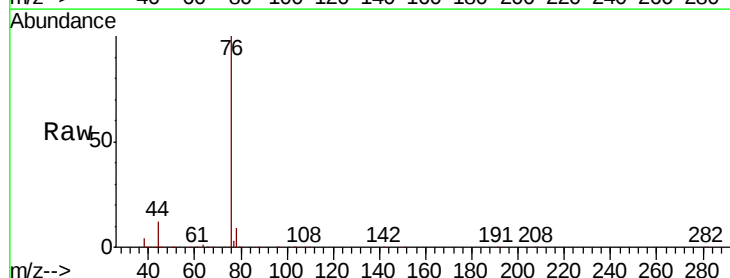
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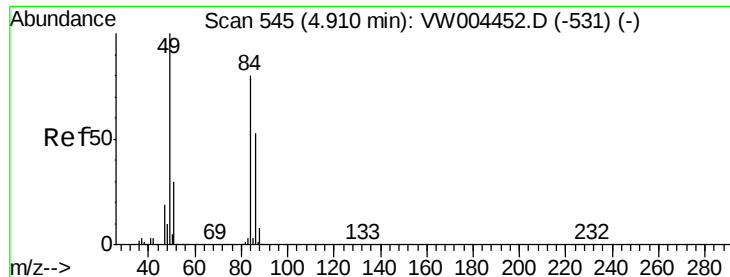
Tgt Ion: 76 Resp: 1050658

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

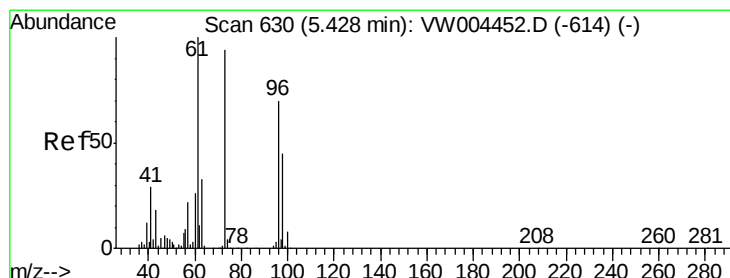
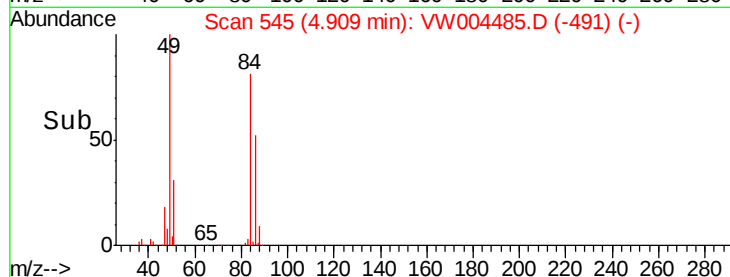
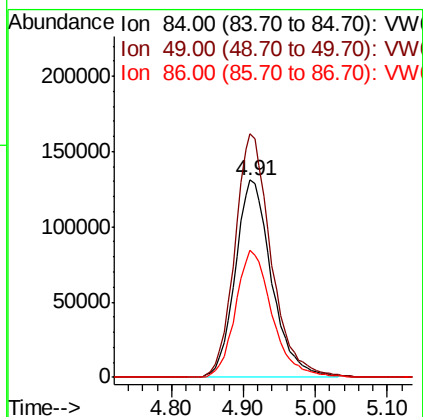
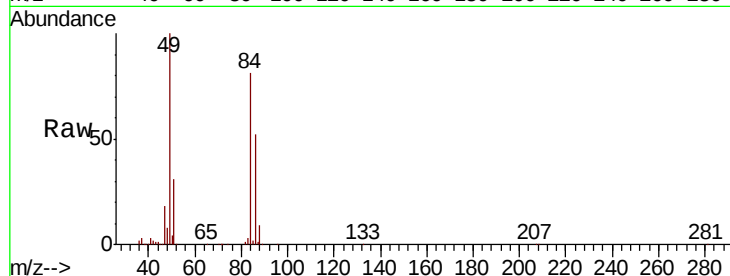




#16
Methylene chloride
Concen: 22.414 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

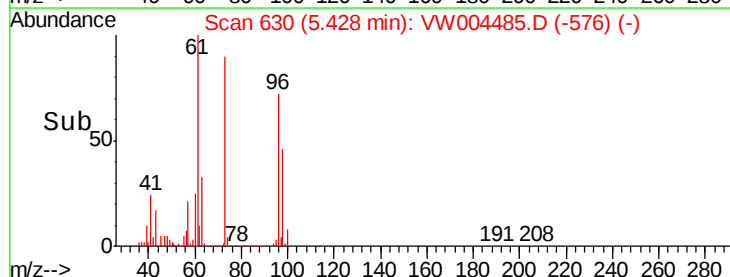
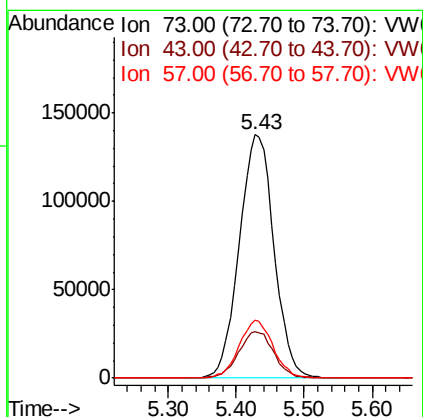
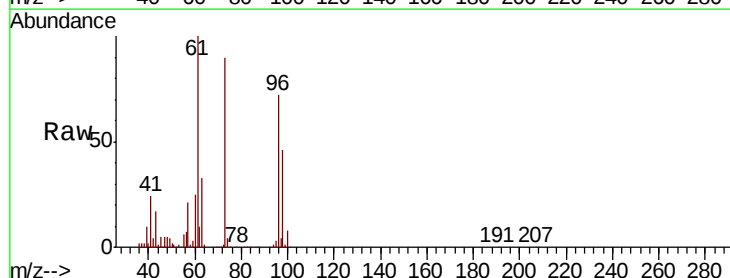
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

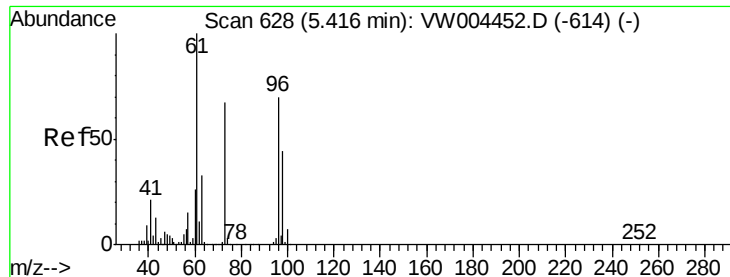
Tgt Ion: 84 Resp: 459496
Ion Ratio Lower Upper
84 100
49 123.6 86.0 159.6
86 64.6 43.5 80.9



#17
Methyl tert-butyl Ether
Concen: 25.221 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Tgt Ion: 73 Resp: 488564
Ion Ratio Lower Upper
73 100
43 19.1 16.2 24.2
57 23.2 18.9 28.3





#18

trans-1,2-Dichloroethene

Concen: 24.129 ug/L

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

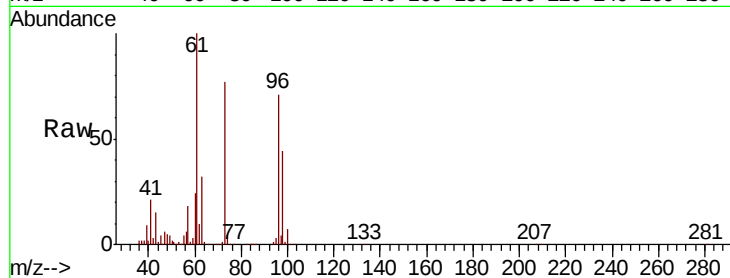
Tgt Ion: 96 Resp: 353128

Ion Ratio Lower Upper

96 100

61 140.0 97.9 181.7

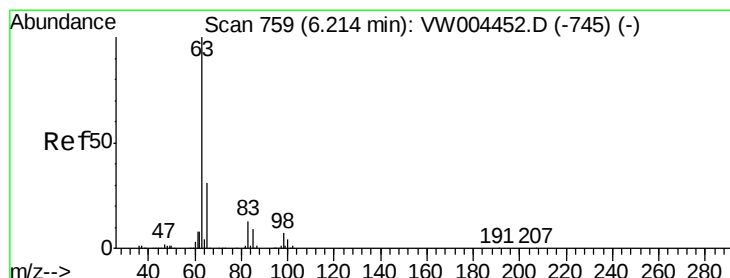
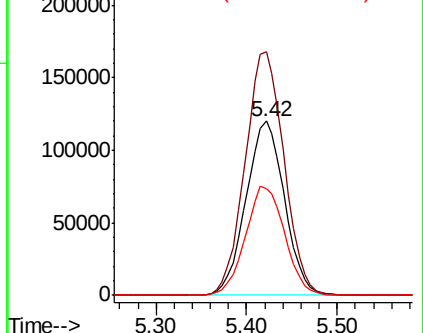
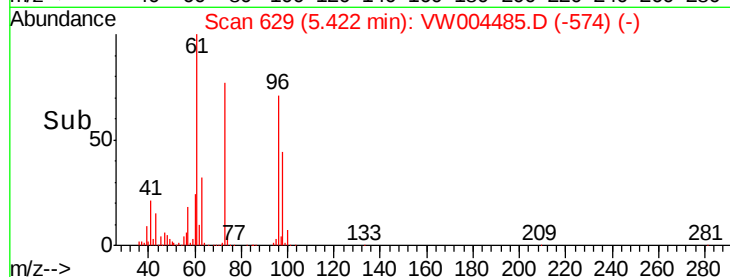
98 61.6 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#19

1,1-Dichloroethane

Concen: 23.815 ug/L

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

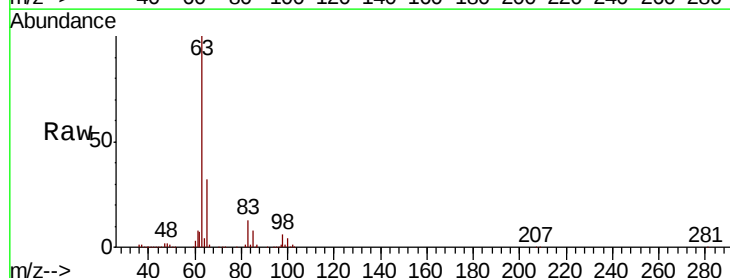
Tgt Ion: 63 Resp: 661376

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

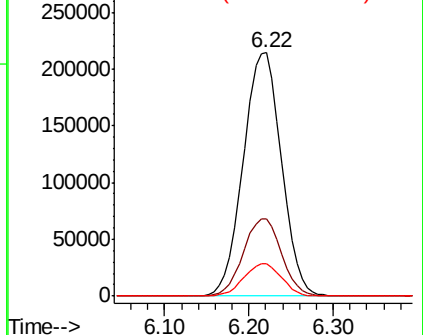
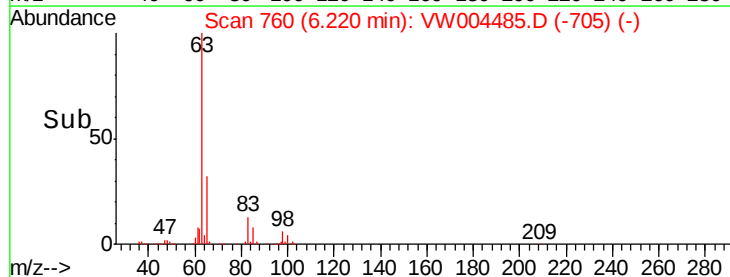
83 13.4 9.3 17.3

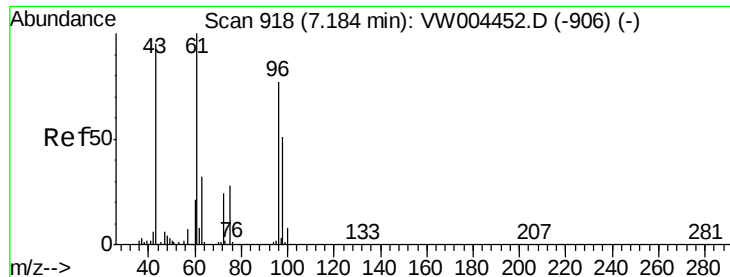


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 41.452 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

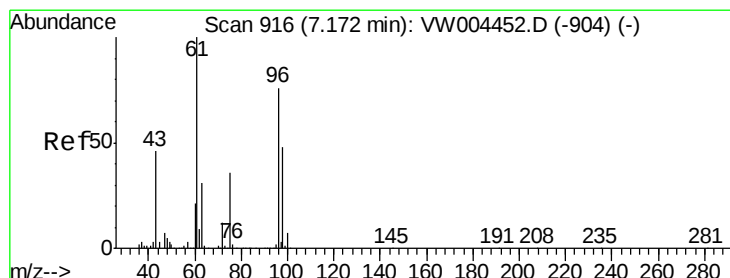
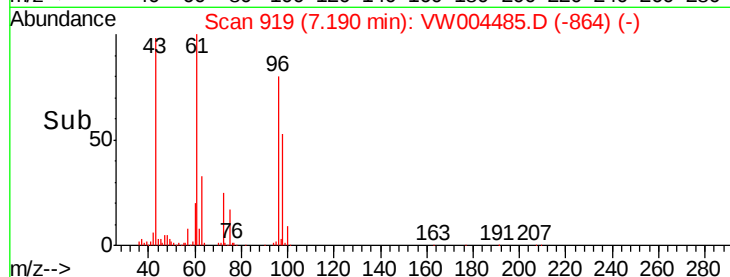
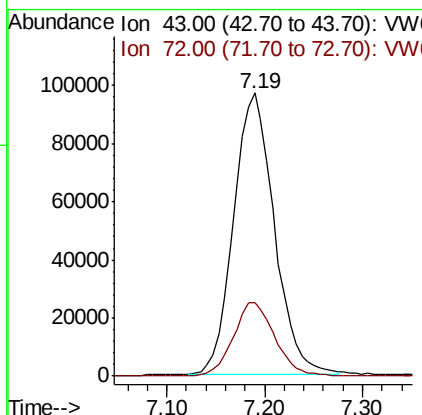
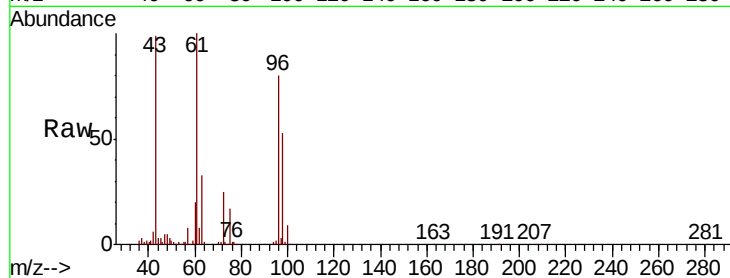
VSTD02581

Tgt Ion: 43 Resp: 278245

Ion Ratio Lower Upper

43 100

72 26.9 13.2 39.6



#22

cis-1,2-Dichloroethene

Concen: 24.400 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

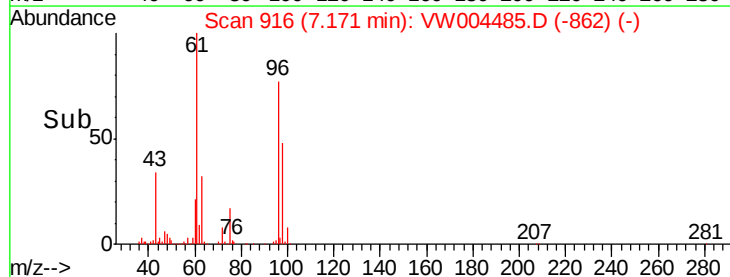
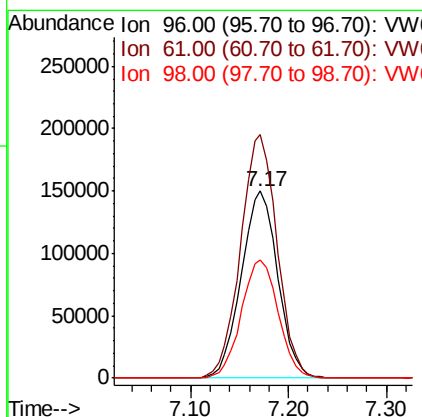
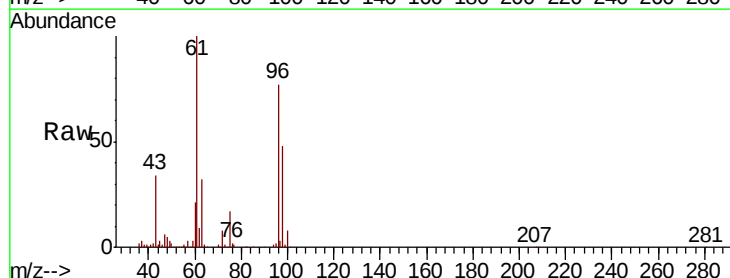
Tgt Ion: 96 Resp: 389767

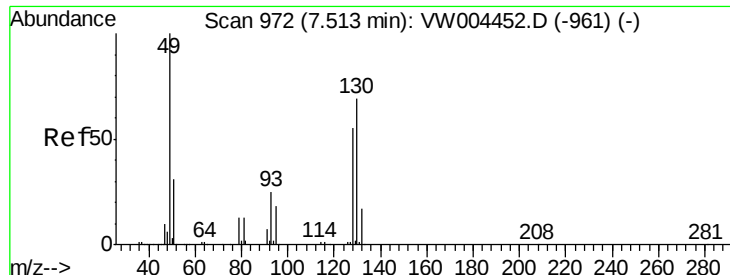
Ion Ratio Lower Upper

96 100

61 130.2 92.5 171.7

98 62.9 44.1 81.9

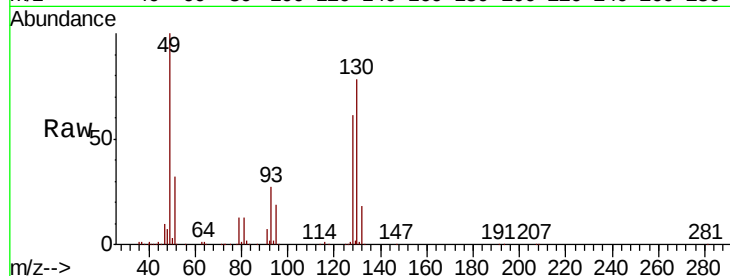




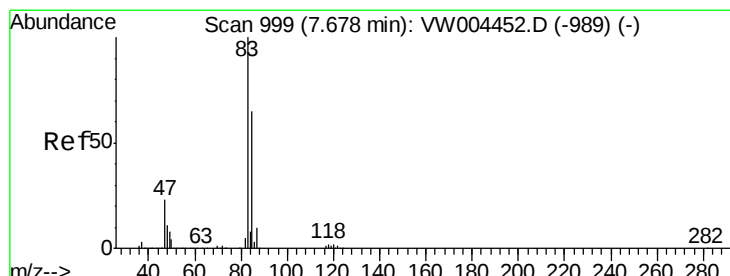
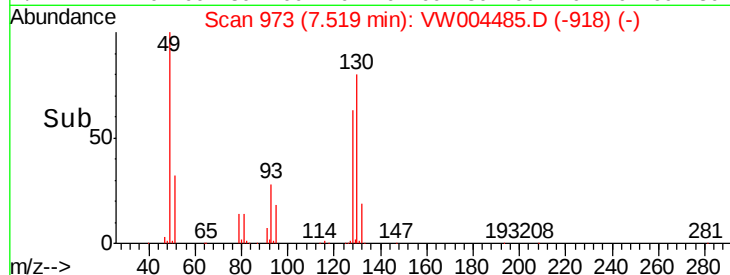
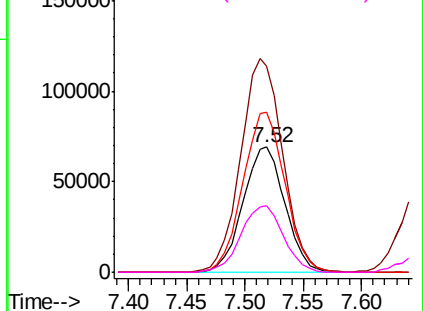
#23
Bromochloromethane
Concen: 22.703 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

Tgt Ion:	128	Resp:	173577
Ion	Ratio	Lower	Upper
128	100		
49	165.2	122.0	226.6
130	128.0	88.8	164.8
51	52.7	44.0	66.0

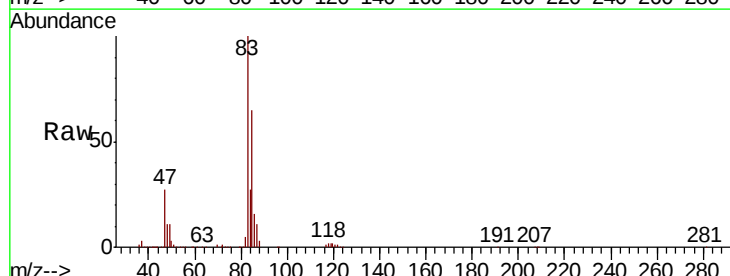


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

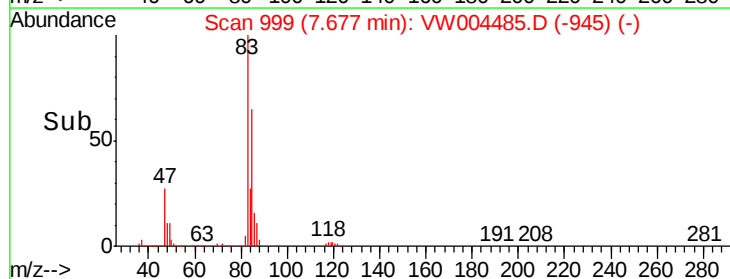
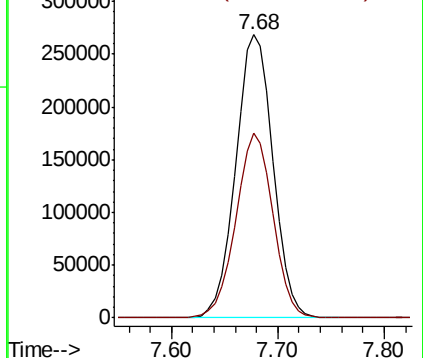


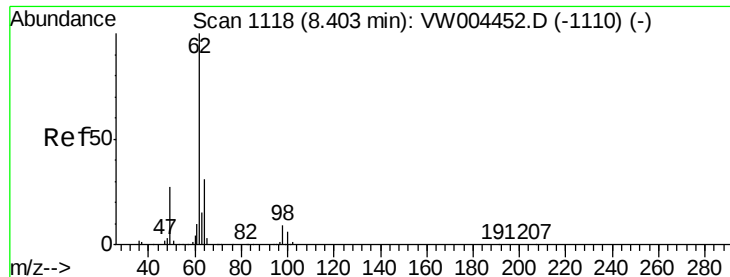
#25
Chloroform
Concen: 23.255 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Tgt Ion:	83	Resp:	659202
Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.7	84.9



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 21.701 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

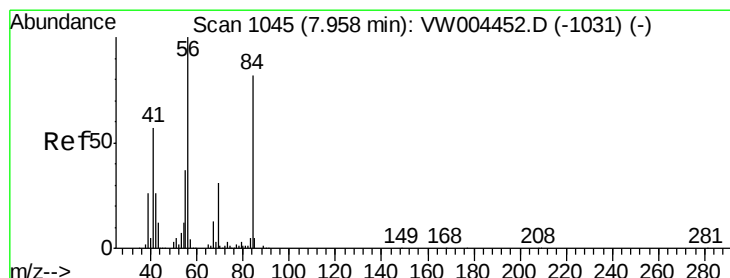
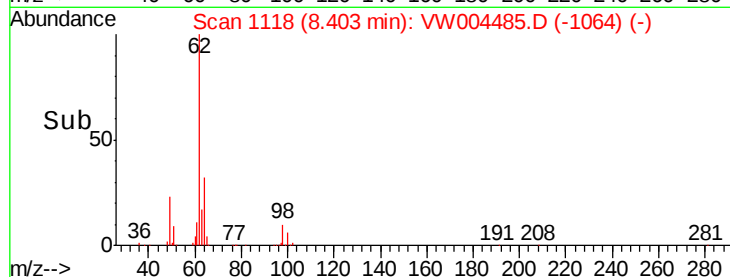
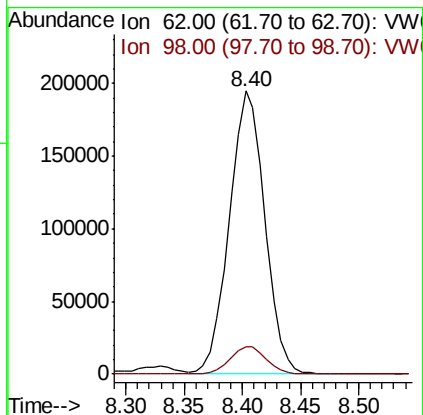
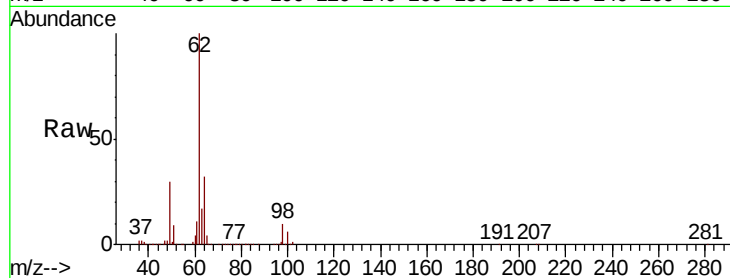
VSTD02581

Tgt Ion: 62 Resp: 413269

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4



#30

Cyclohexane

Concen: 26.369 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

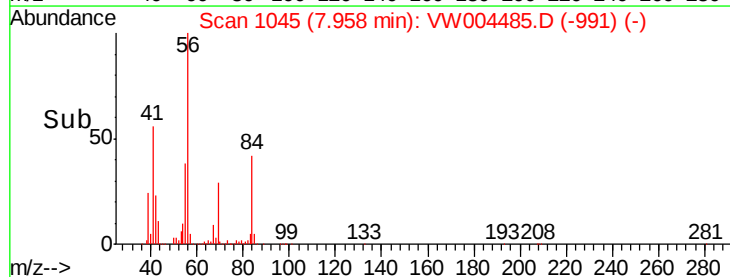
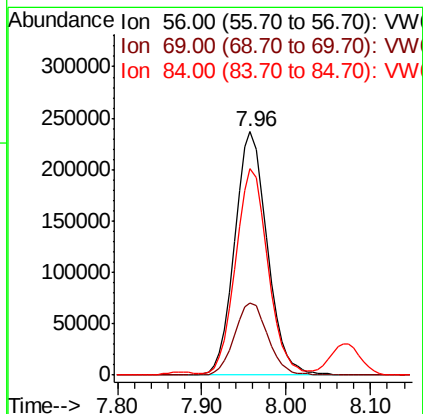
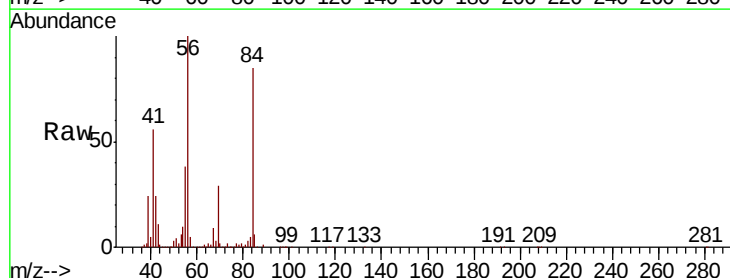
Tgt Ion: 56 Resp: 618924

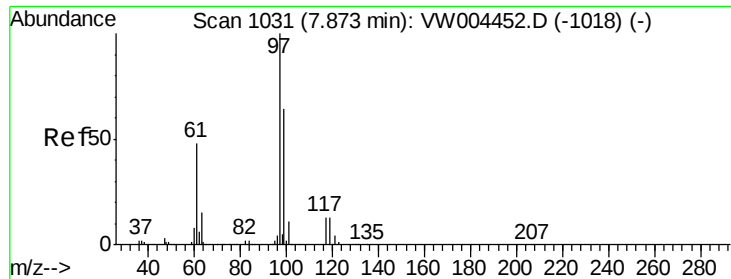
Ion Ratio Lower Upper

56 100

69 30.4 24.0 36.0

84 84.6 66.7 100.1





#31

1,1,1-Trichloroethane

Concen: 25.310 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

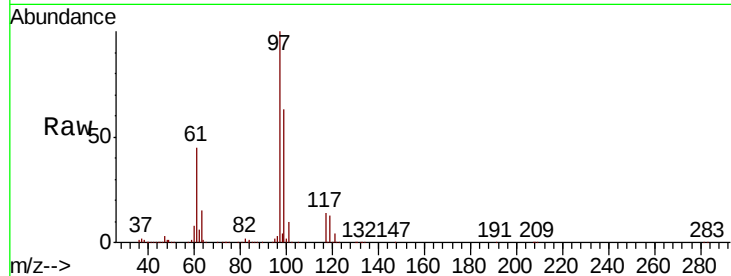
Tgt Ion: 97 Resp: 533684

Ion Ratio Lower Upper

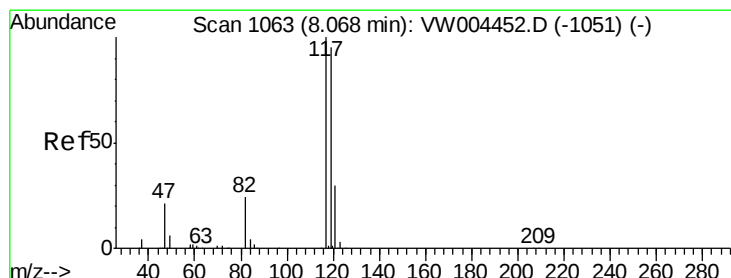
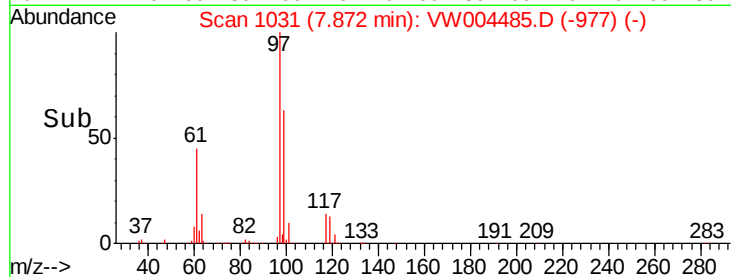
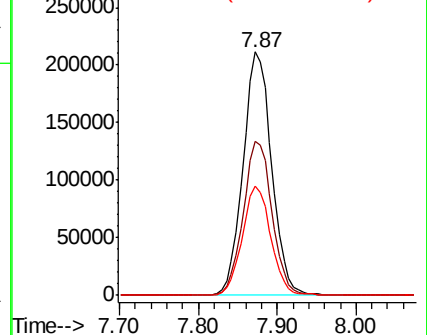
97 100

99 63.8 51.8 77.6

61 44.7 37.3 55.9



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: 24.335 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004485.D

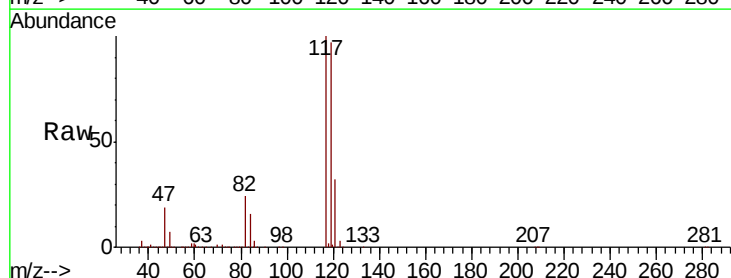
Acq: 07 Aug 2018 08:56

Tgt Ion: 117 Resp: 494524

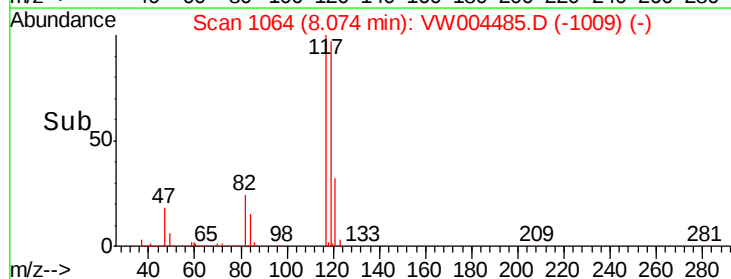
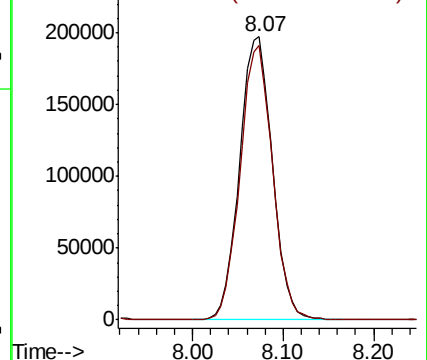
Ion Ratio Lower Upper

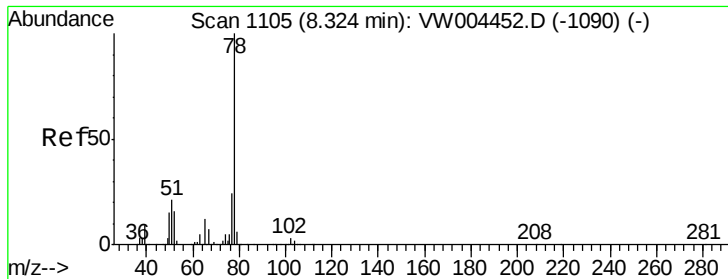
117 100

119 96.0 76.5 114.7



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





#34

Benzene

Concen: 24.164 ug/L

RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

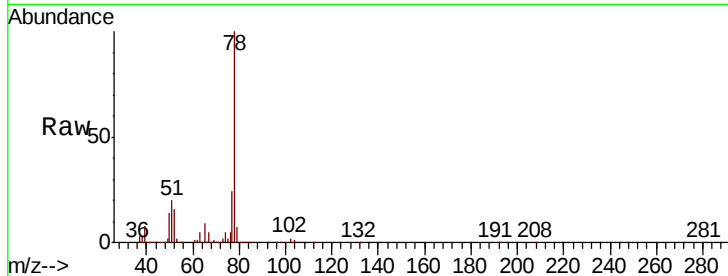
Instrument :

MSVOA_W

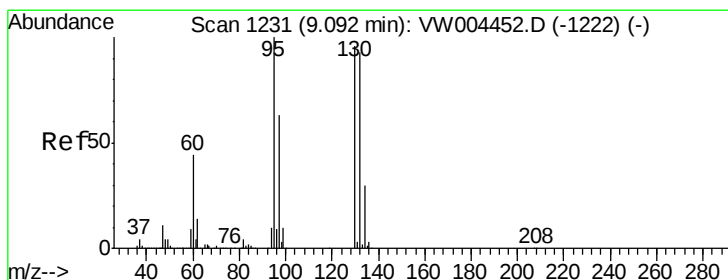
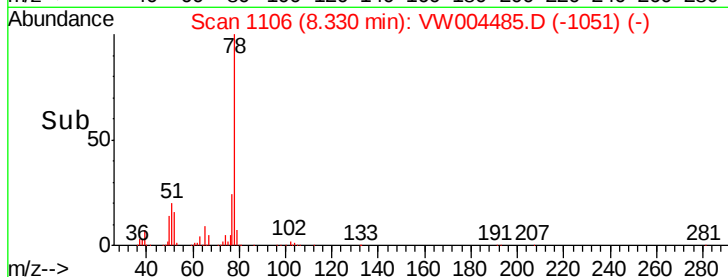
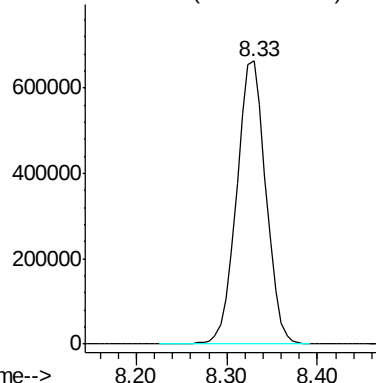
ClientSampleId :

VSTD02581

Tgt Ion: 78 Resp: 1478640



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.753 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Tgt Ion: 95 Resp: 365593

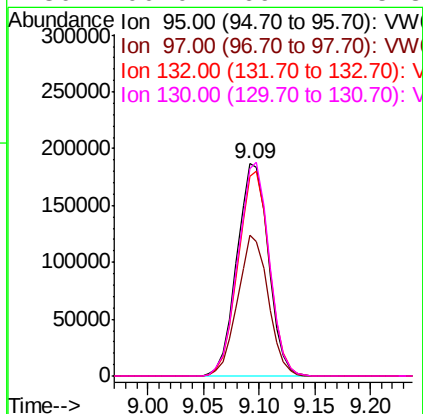
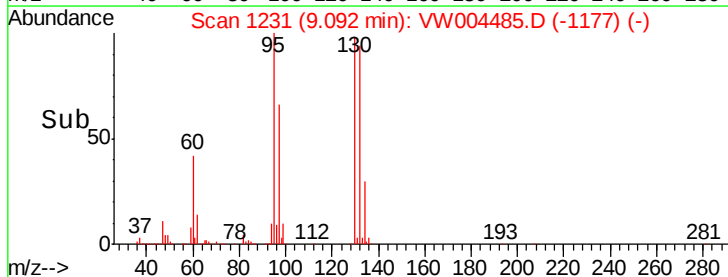
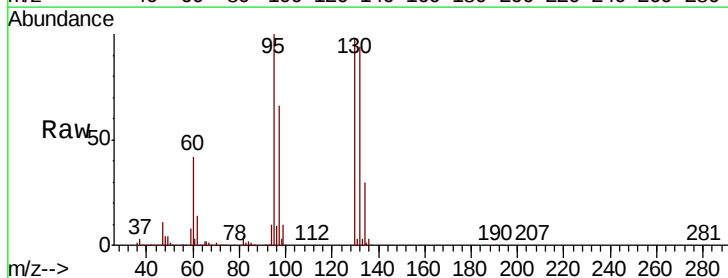
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.9	83.5
132	96.3	67.6	125.6
130	100.0	69.1	128.3

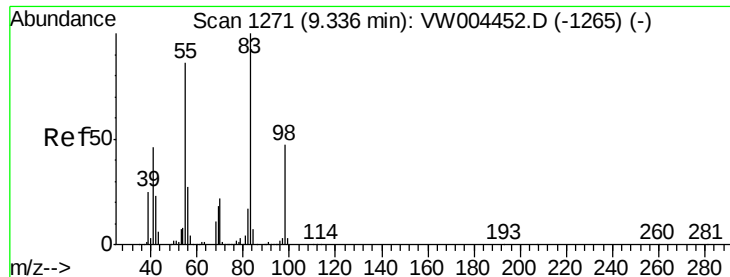
Abundance Ion 95.00 (94.70 to 95.70): VW

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

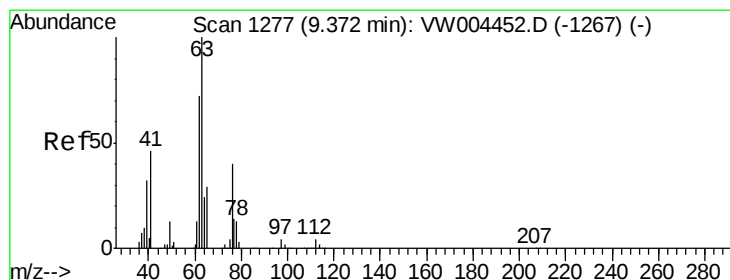
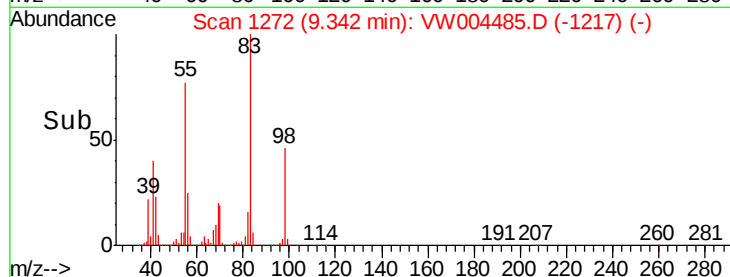
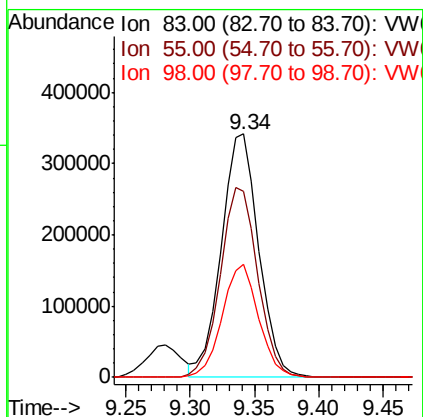
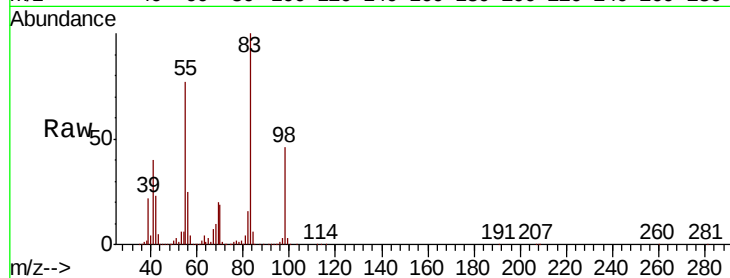




#36
Methylcyclohexane
Concen: 25.693 ug/L
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

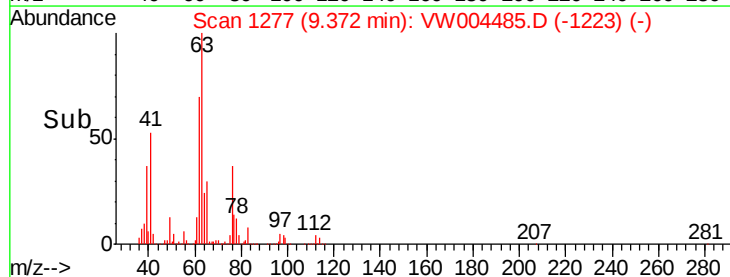
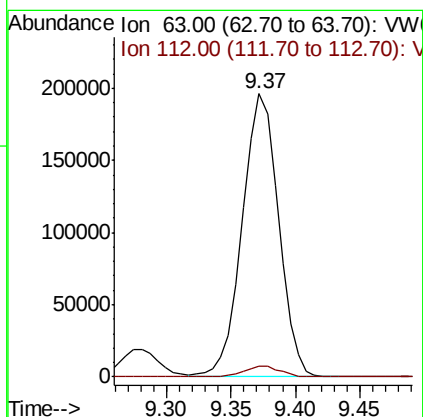
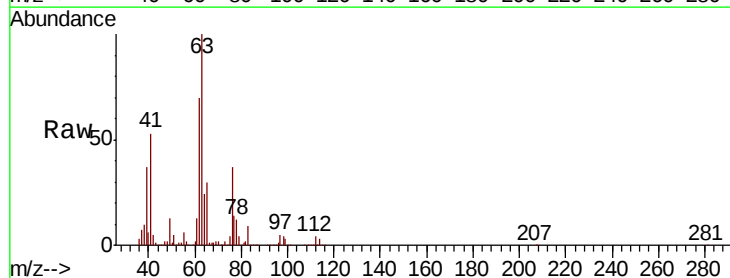
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

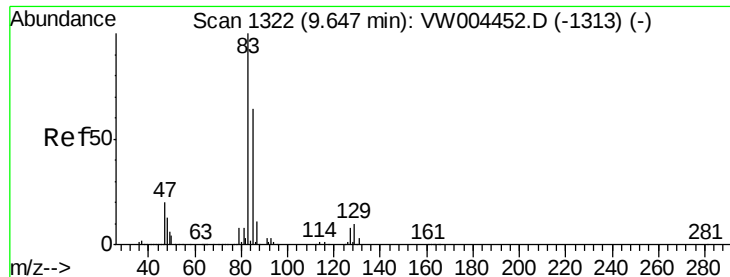
Tgt Ion: 83 Resp: 694203
Ion Ratio Lower Upper
83 100
55 78.3 62.8 94.2
98 45.2 36.6 54.8



#40
1,2-Dichloropropane
Concen: 23.635 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Tgt Ion: 63 Resp: 383040
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.6





#41

Bromodichloromethane

Concen: 22.614 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

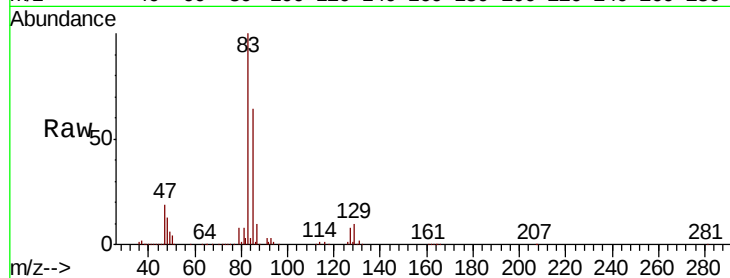
Tgt Ion: 83 Resp: 440239

Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

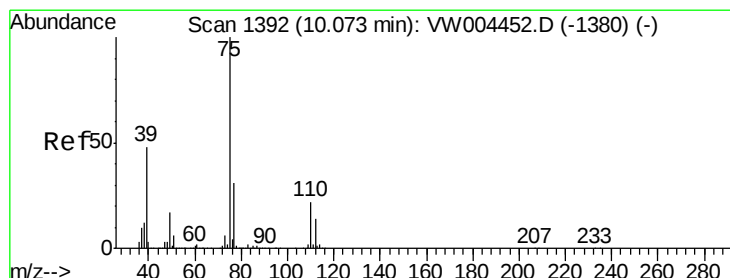
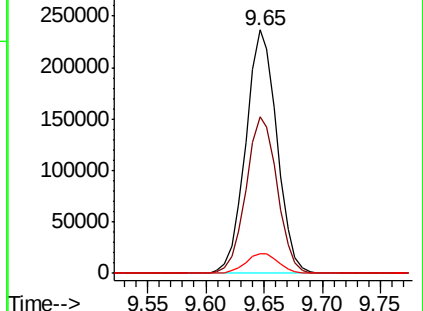
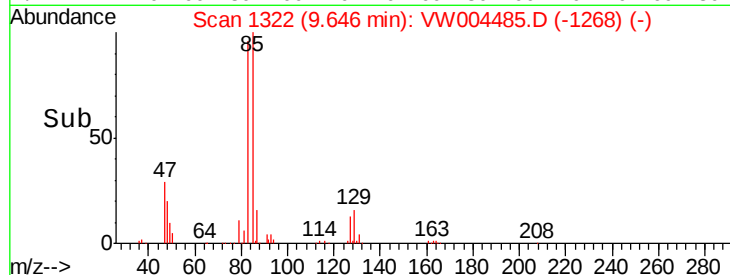
127 8.1 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 24.305 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004485.D

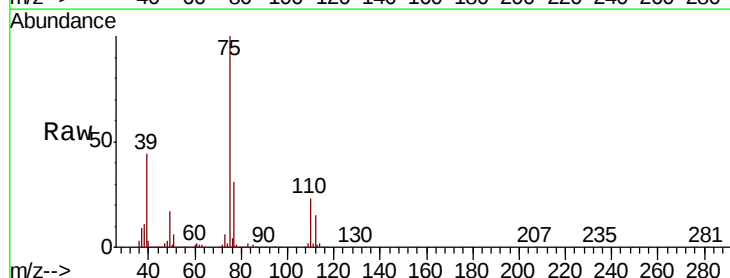
Acq: 07 Aug 2018 08:56

Tgt Ion: 75 Resp: 538841

Ion Ratio Lower Upper

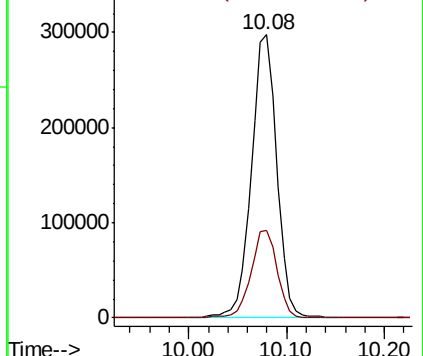
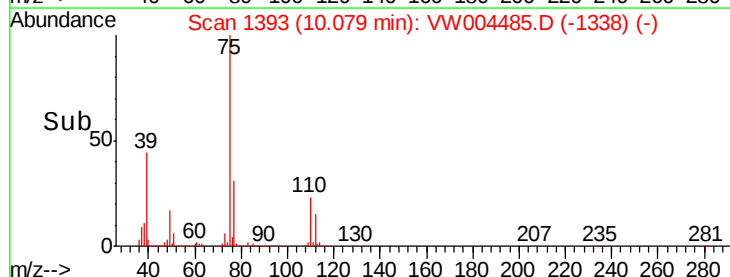
75 100

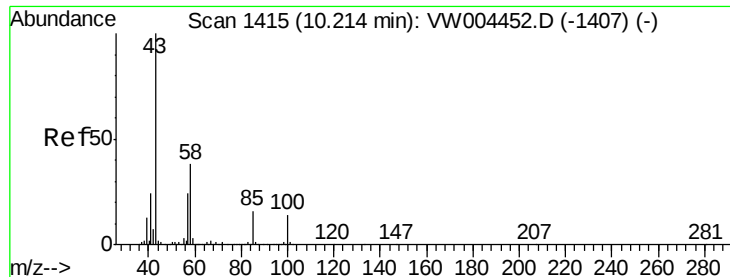
77 31.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

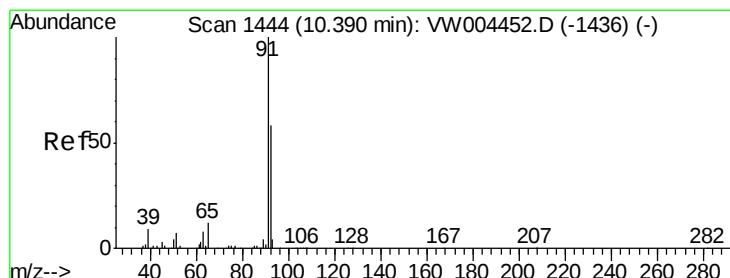
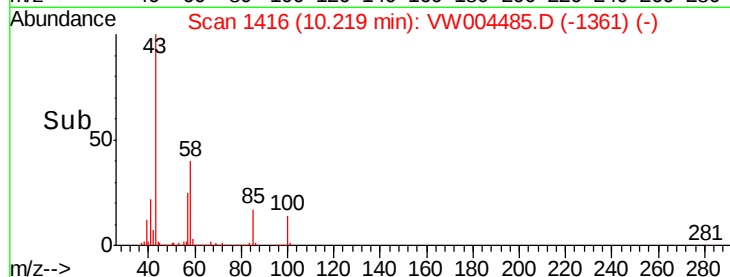
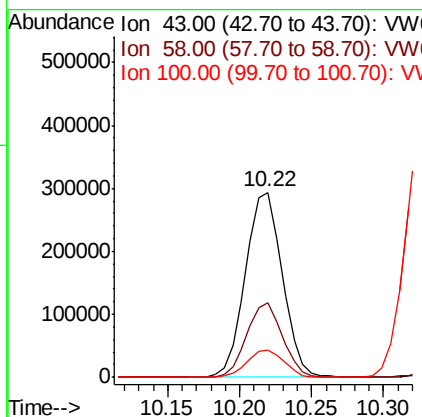
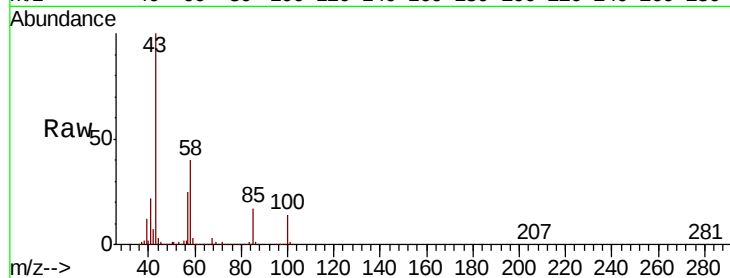




#43
 4-Methyl-2-pentanone
 Concen: 42.955 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VW004485.D
 Acq: 07 Aug 2018 08:56

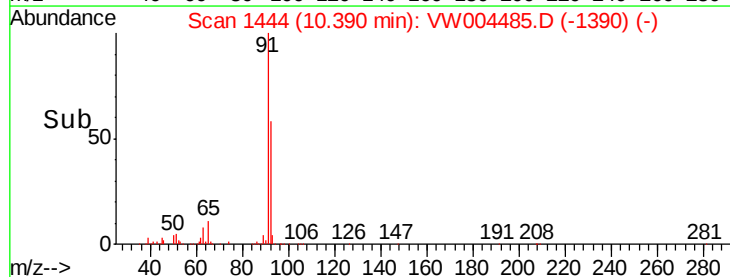
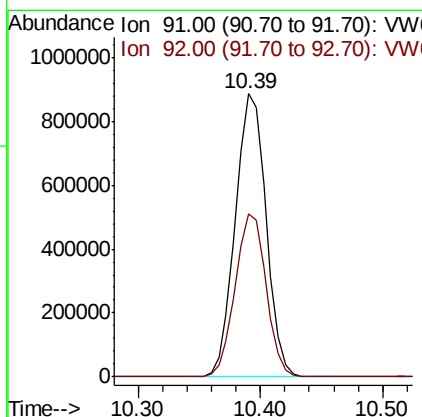
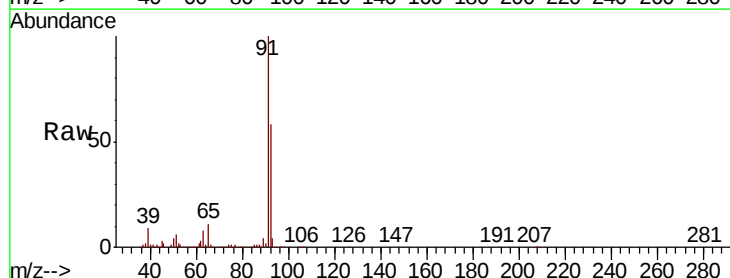
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

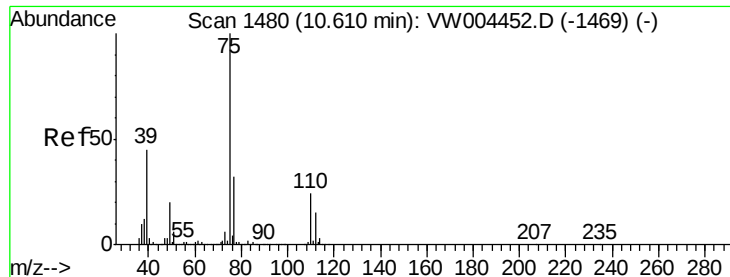
Tgt Ion: 43 Resp: 521969
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.5 47.3
 100 14.8 11.7 17.5



#44
 Toluene
 Concen: 25.117 ug/L
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004485.D
 Acq: 07 Aug 2018 08:56

Tgt Ion: 91 Resp: 1546661
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.8 75.8





#45

trans-1,3-Dichloropropene

Concen: 24.227 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

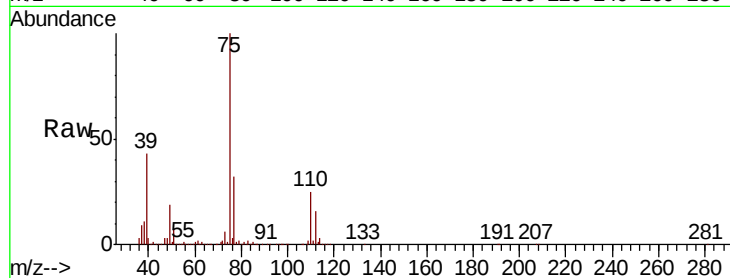
VSTD02581

Tgt Ion: 75 Resp: 482809

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

300000

250000

200000

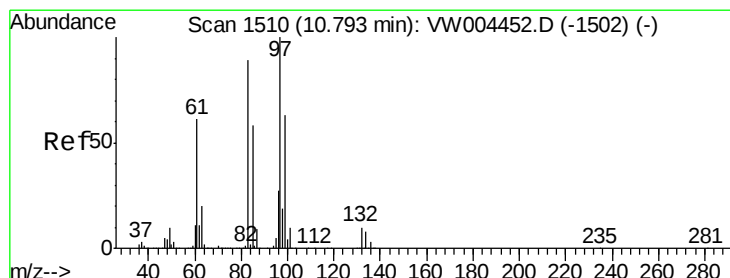
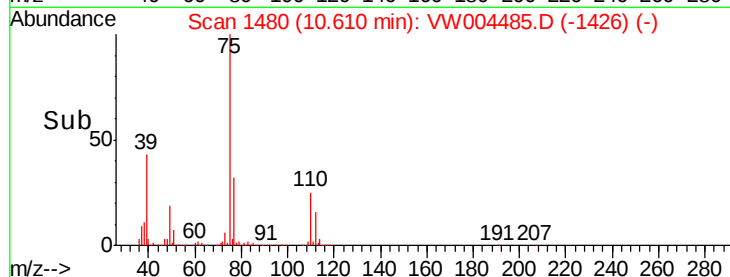
150000

100000

50000

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 22.783 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Tgt Ion: 97 Resp: 287045

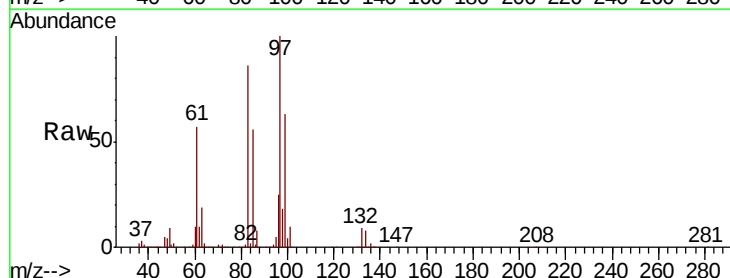
Ion Ratio Lower Upper

97 100

83 86.4 61.8 114.8

85 55.9 38.8 72.0

99 62.6 43.0 80.0



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

10.79

250000

200000

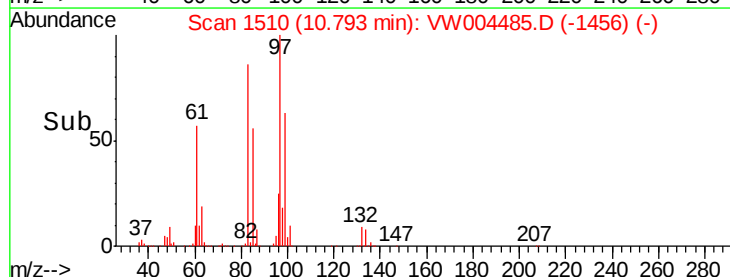
150000

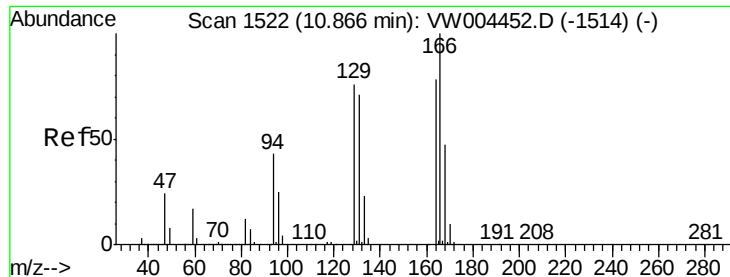
100000

50000

0

Time-->





#47

Tetrachloroethene

Concen: 24.336 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

Tgt Ion:164 Resp: 296366

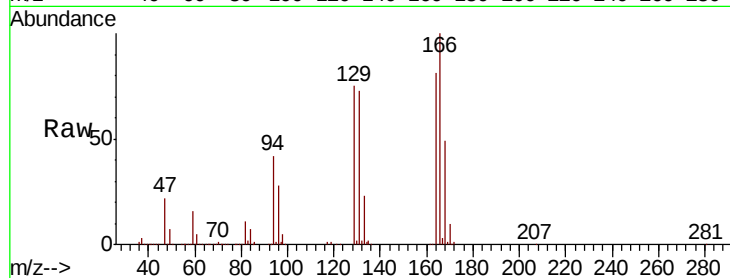
Ion Ratio Lower Upper

164 100

129 93.6 65.4 121.4

131 91.0 63.8 118.6

166 124.2 88.1 163.5

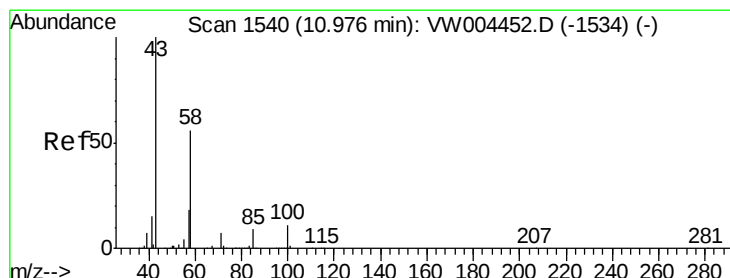
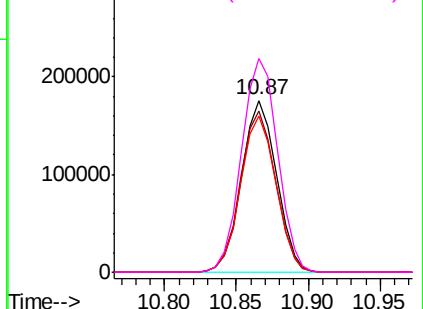
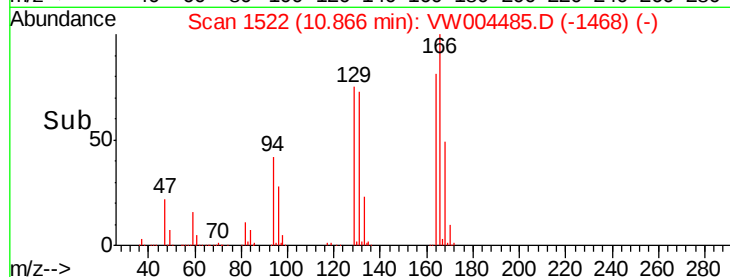


Abundance Ion 164.00 (163.70 to 164.70): V

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: 44.806 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Tgt Ion: 43 Resp: 409150

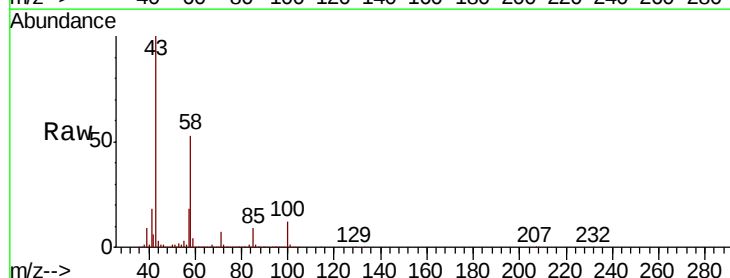
Ion Ratio Lower Upper

43 100

58 54.9 43.4 65.0

57 18.7 15.0 22.6

100 11.4 8.9 13.3

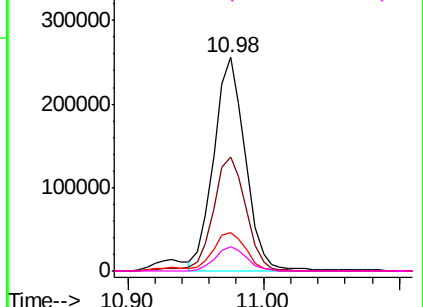
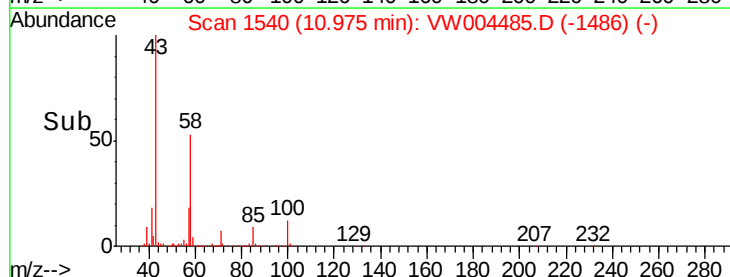


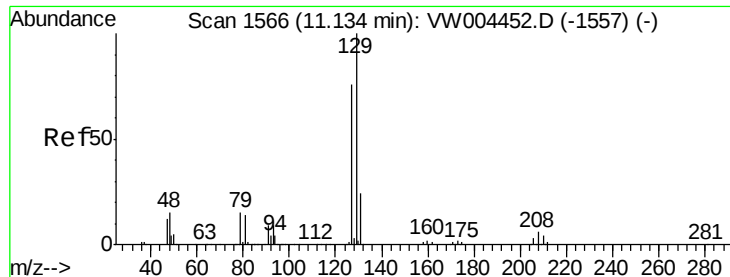
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V





#50

Dibromochloromethane

Concen: 23.141 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

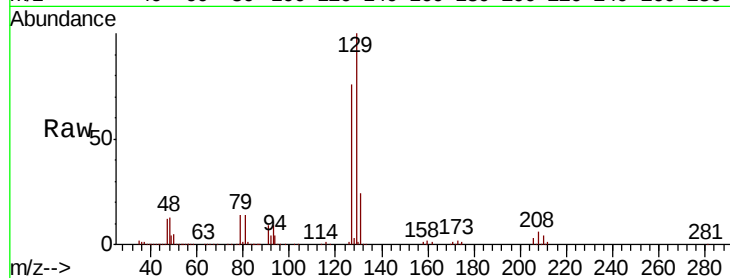
VSTD02581

Tgt Ion:129 Resp: 323426

Ion Ratio Lower Upper

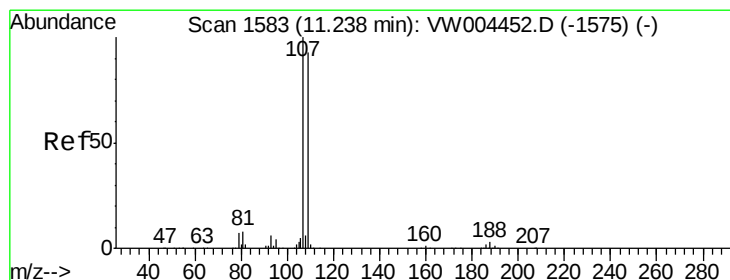
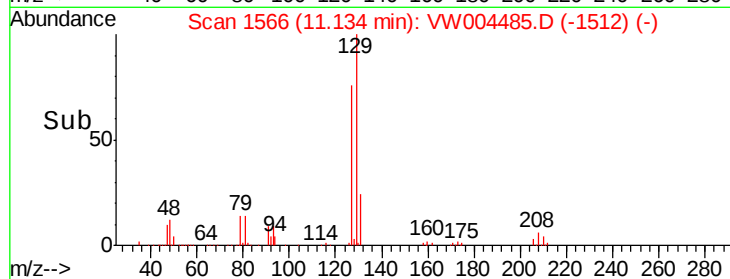
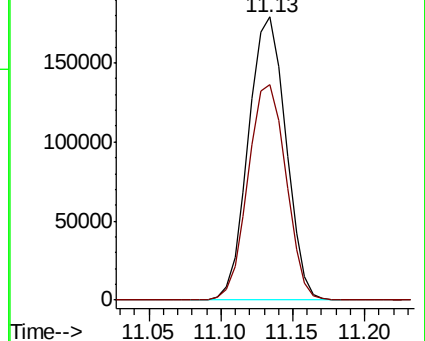
129 100

127 76.1 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 22.912 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

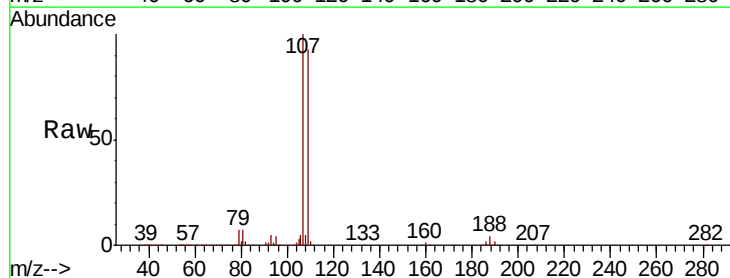
Tgt Ion:107 Resp: 276710

Ion Ratio Lower Upper

107 100

109 93.4 66.8 124.2

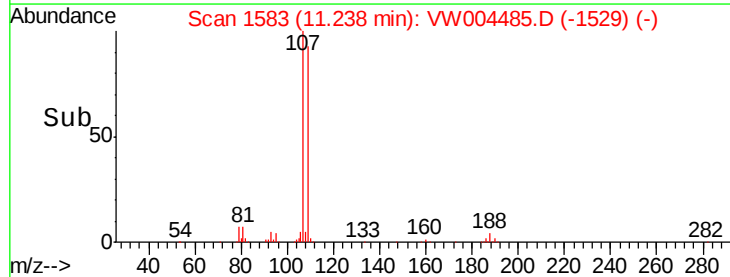
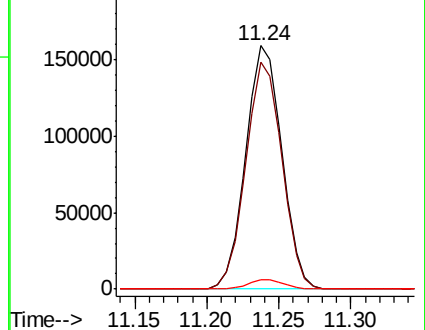
188 3.6 2.6 3.8

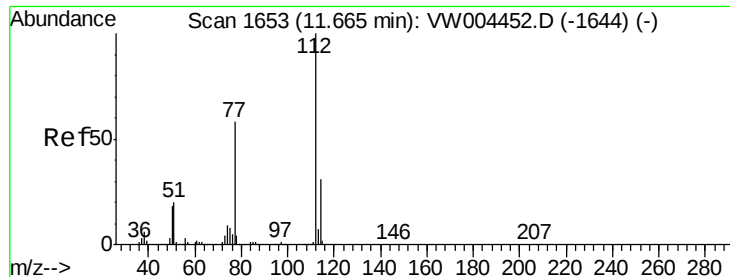


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 24.164 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

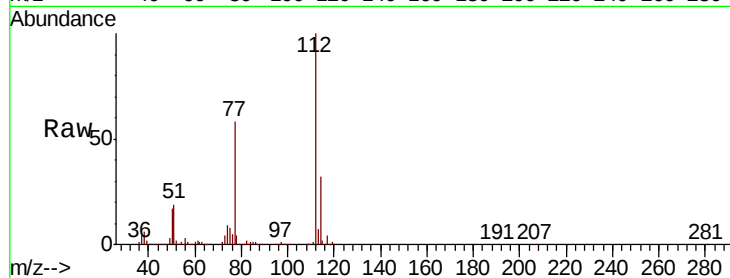
Tgt Ion:112 Resp: 1006305

Ion Ratio Lower Upper

112 100

77 58.1 46.5 69.7

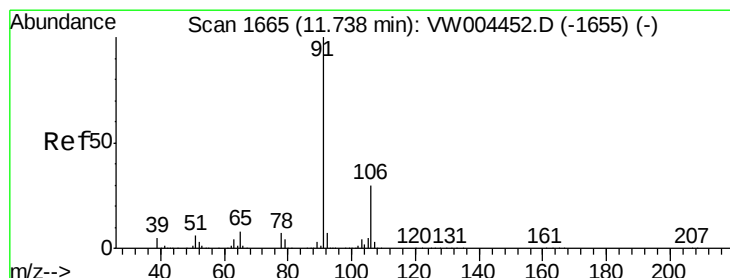
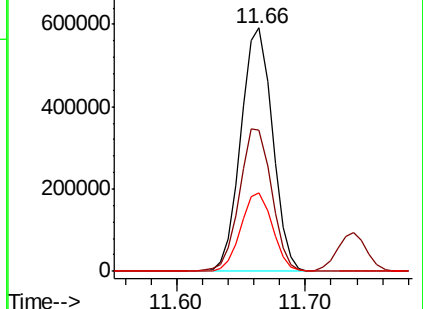
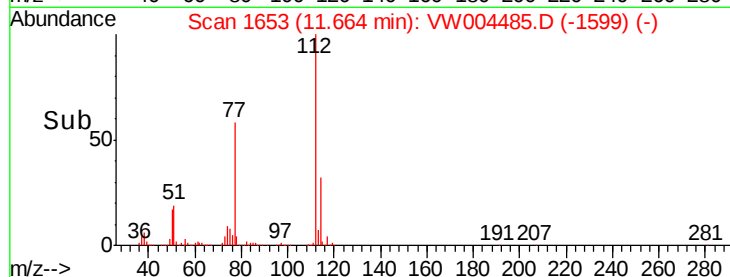
114 32.3 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 25.383 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004485.D

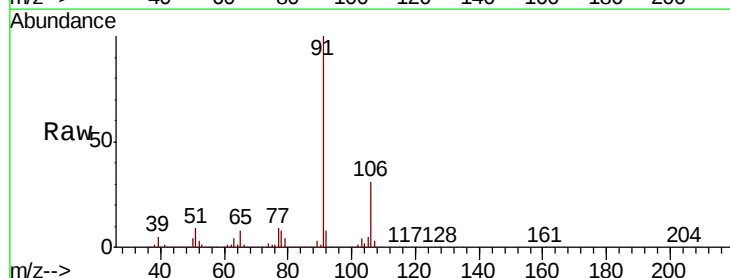
Acq: 07 Aug 2018 08:56

Tgt Ion: 91 Resp: 1756436

Ion Ratio Lower Upper

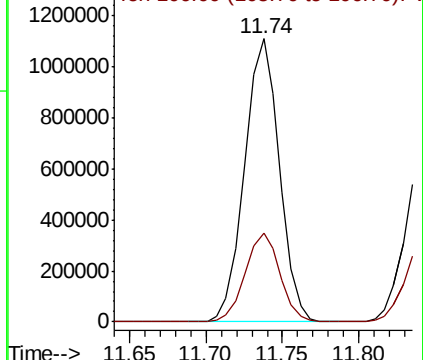
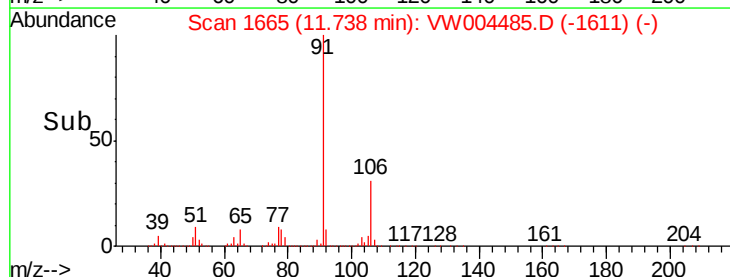
91 100

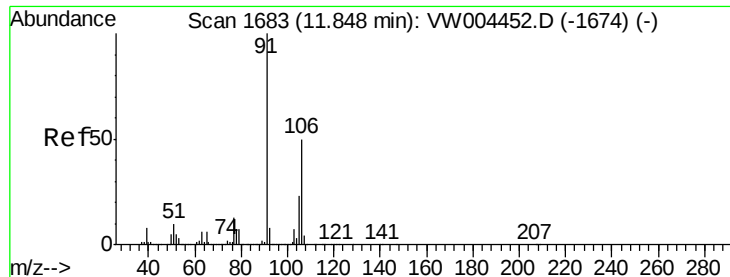
106 31.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 25.780 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

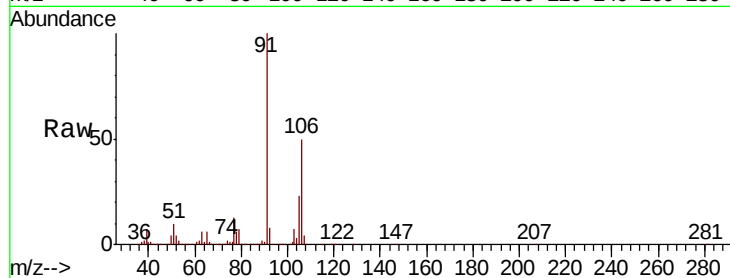
VSTD02581

Tgt Ion:106 Resp: 665541

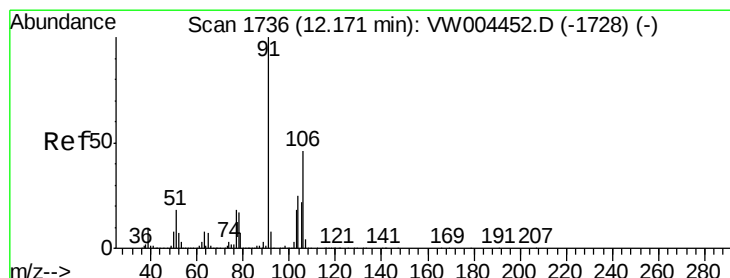
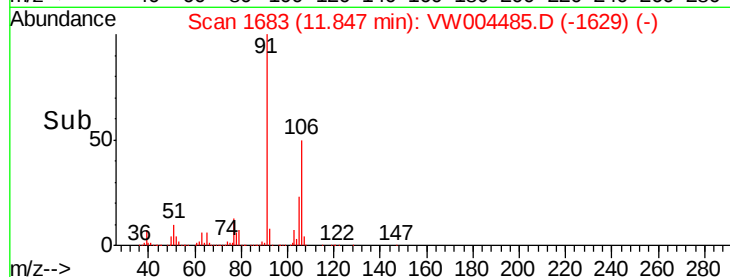
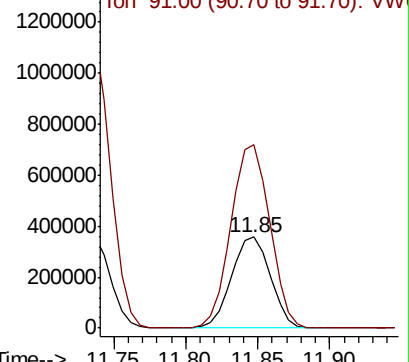
Ion Ratio Lower Upper

106 100

91 201.9 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

o-xylene

Concen: 25.918 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004485.D

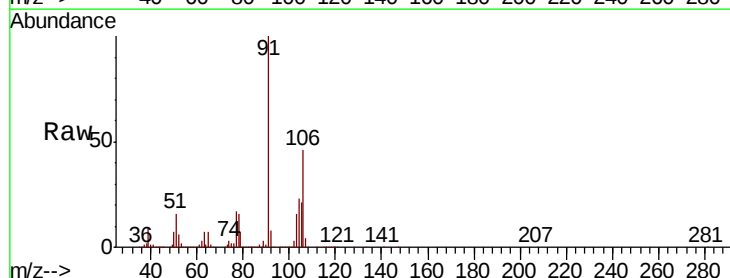
Acq: 07 Aug 2018 08:56

Tgt Ion:106 Resp: 633990

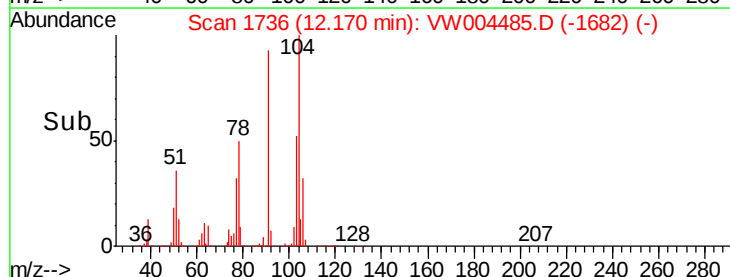
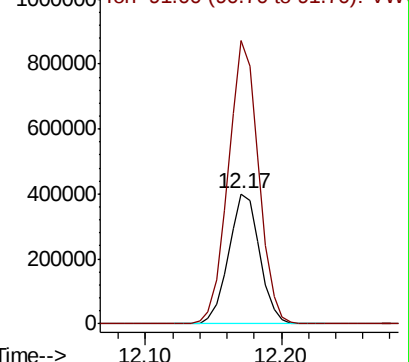
Ion Ratio Lower Upper

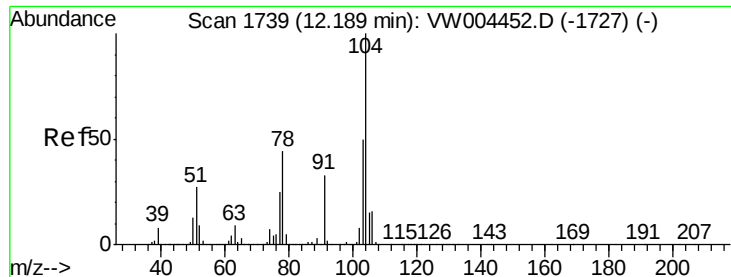
106 100

91 218.0 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V





#56

Styrene

Concen: 26.146 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

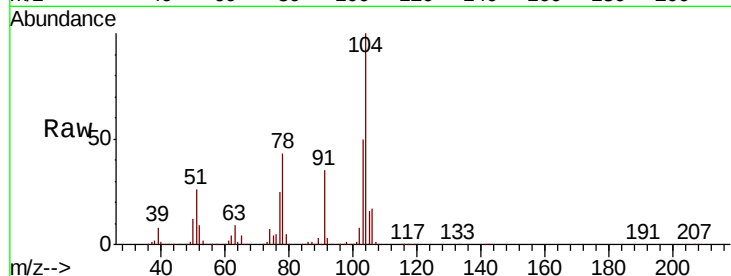
VSTD02581

Tgt Ion:104 Resp: 1114485

Ion Ratio Lower Upper

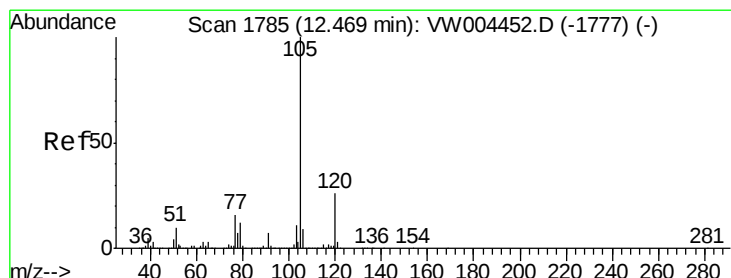
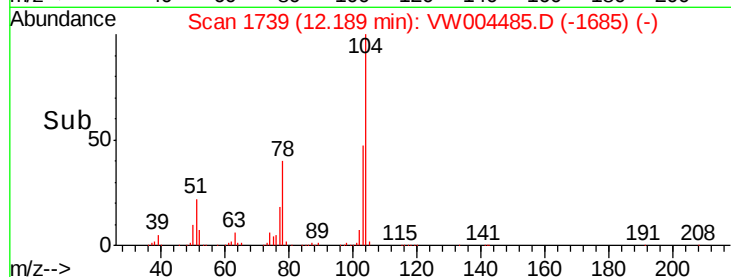
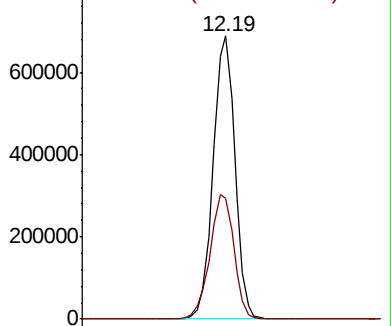
104 100

78 42.8 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 26.702 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

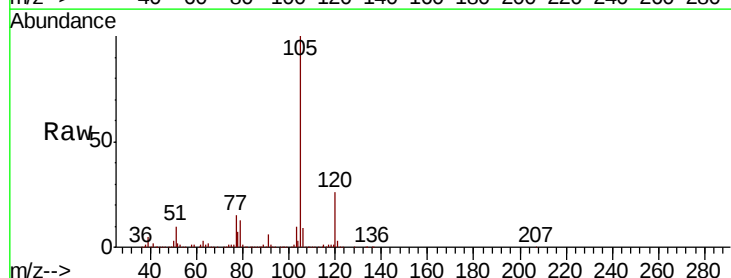
Tgt Ion:105 Resp: 1768008

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

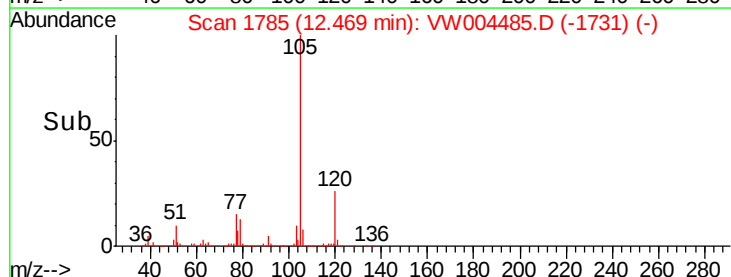
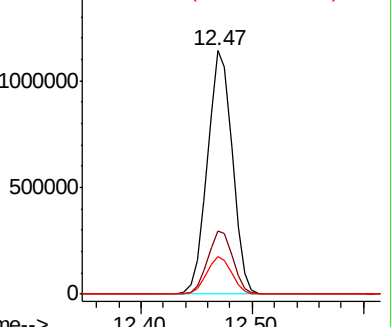
77 15.3 12.4 18.6

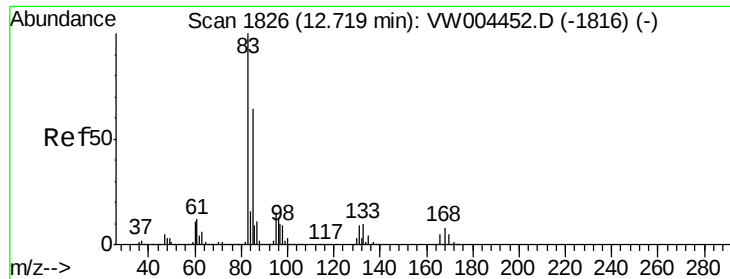


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 21.816 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

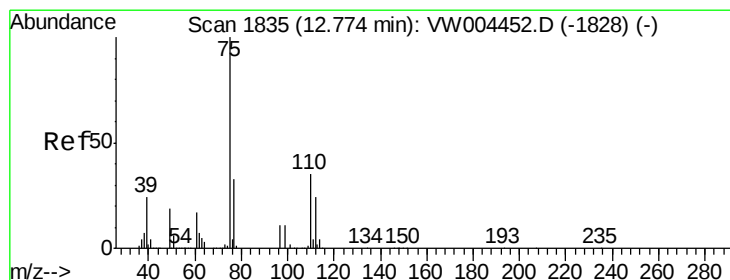
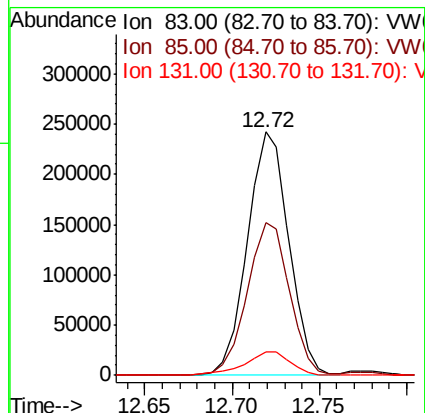
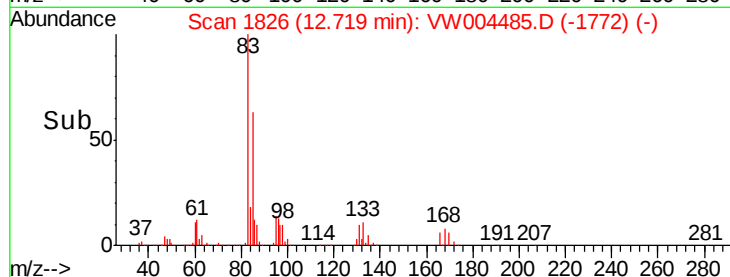
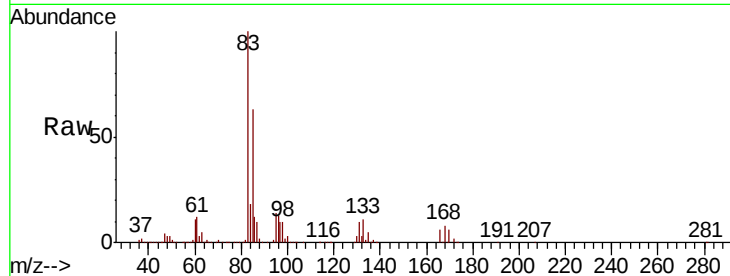
Tgt Ion: 83 Resp: 398931

Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.5

131 9.7 8.1 12.1



#59

1,2,3-Trichloropropane

Concen: 21.663 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004485.D

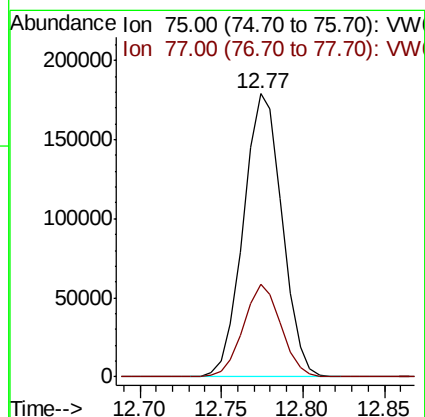
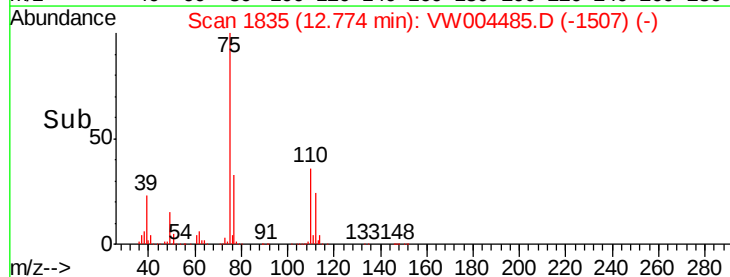
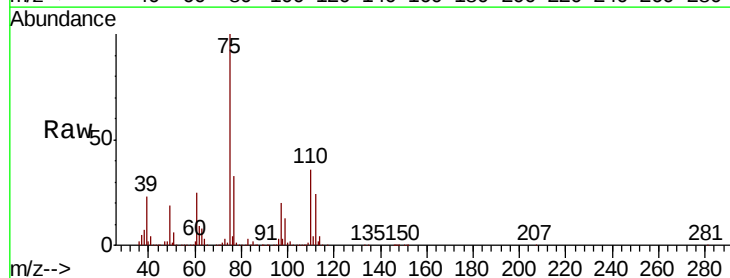
Acq: 07 Aug 2018 08:56

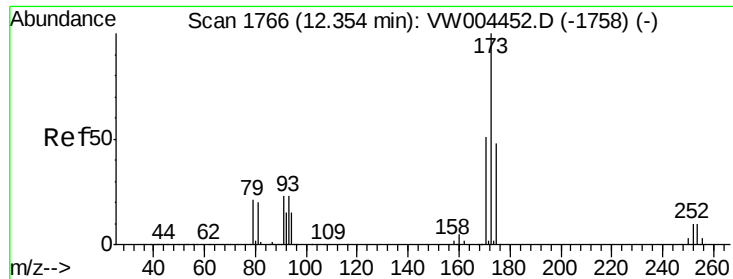
Tgt Ion: 75 Resp: 295863

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

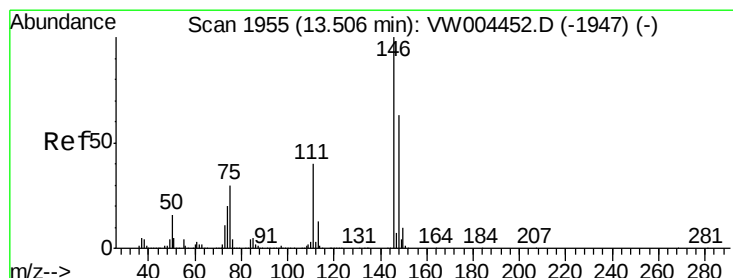
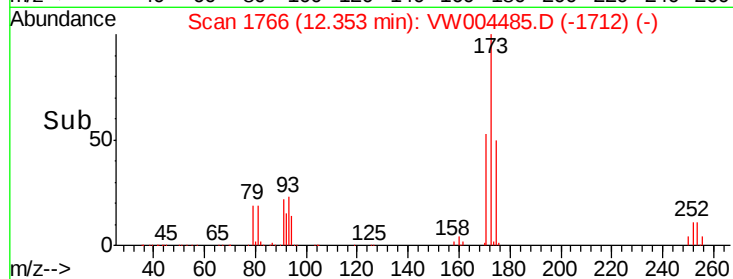
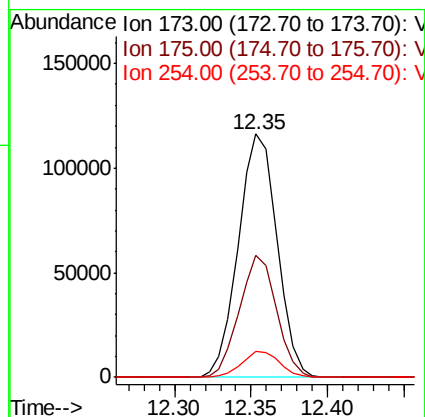
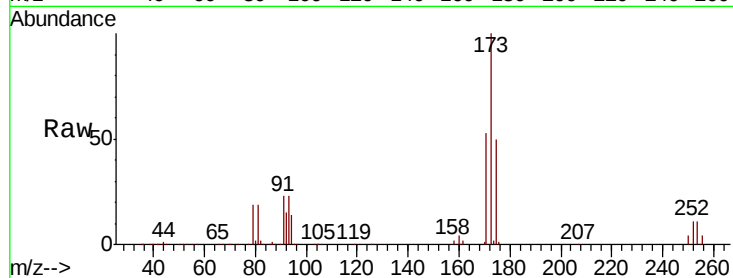




#62
Bromoform
Concen: 22.212 ug/L
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

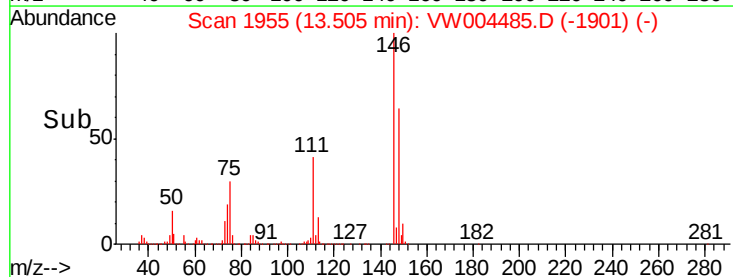
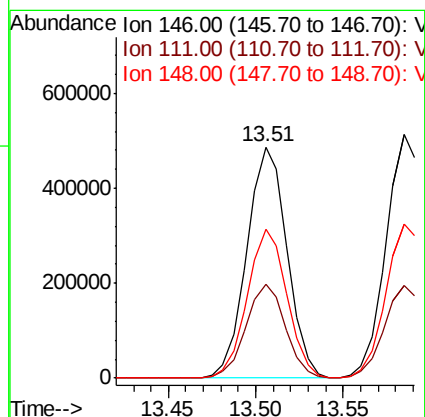
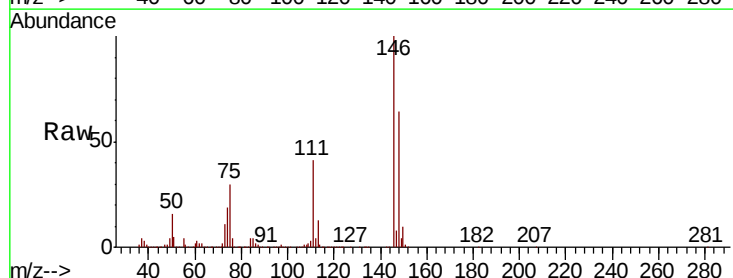
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

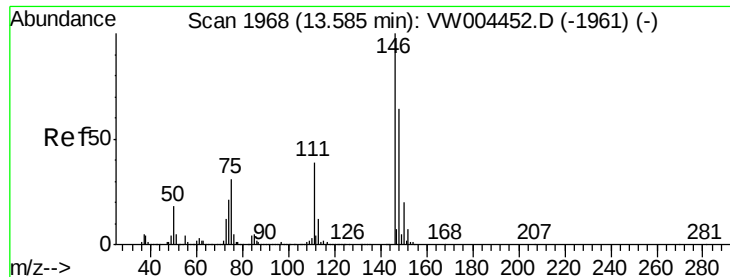
Tgt Ion:173 Resp: 204785
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.4
254 10.4 8.1 12.1



#63
1,3-Dichlorobenzene
Concen: 24.740 ug/L
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW004485.D
Acq: 07 Aug 2018 08:56

Tgt Ion:146 Resp: 780935
Ion Ratio Lower Upper
146 100
111 40.7 27.7 51.5
148 64.4 43.8 81.4

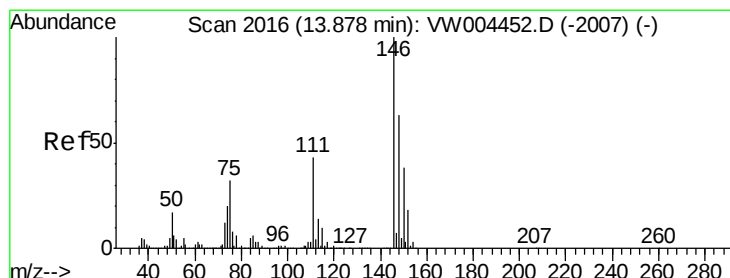
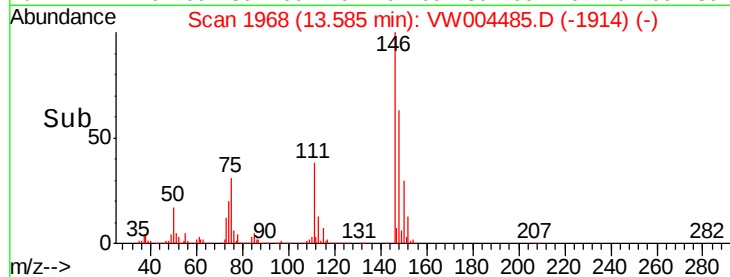
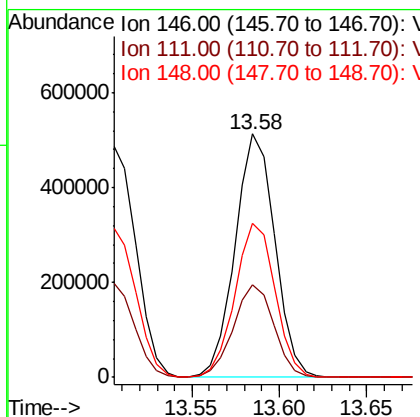
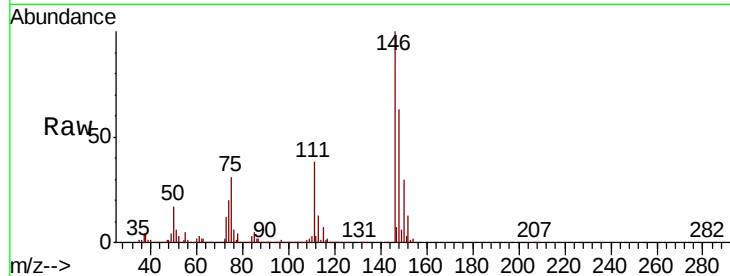




#64
 1,4-Dichlorobenzene
 Concen: 23.981 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004485.D
 Acq: 07 Aug 2018 08:56

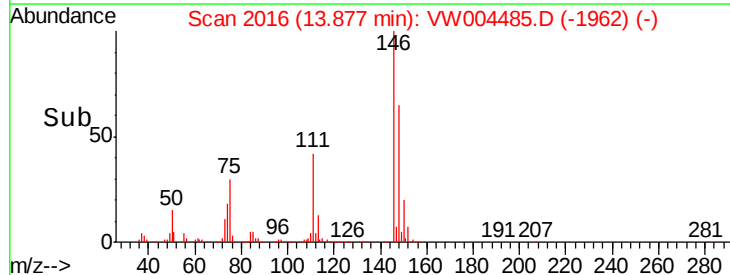
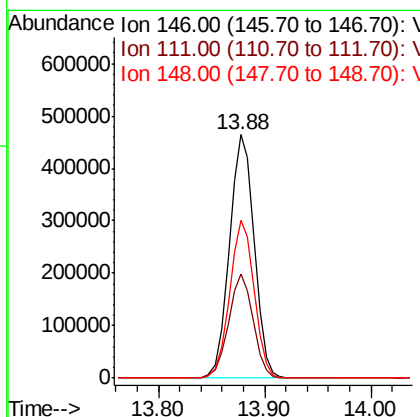
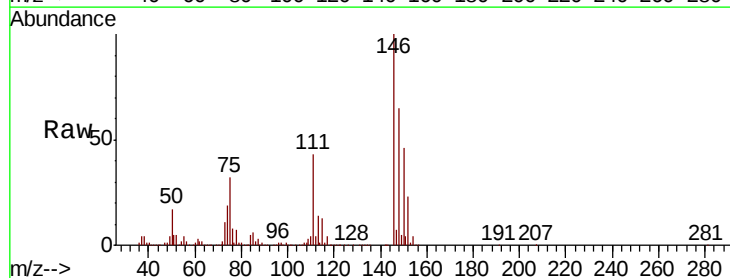
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

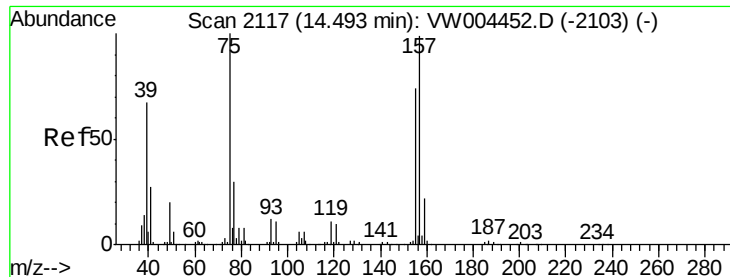
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.7	51.5
148	63.2	45.5	84.5



#65
 1,2-Dichlorobenzene
 Concen: 23.893 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004485.D
 Acq: 07 Aug 2018 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	33.4	50.2
148	64.8	50.8	76.2





#66

1,2-Dibromo-3-chloropropane

Concen: 19.724 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

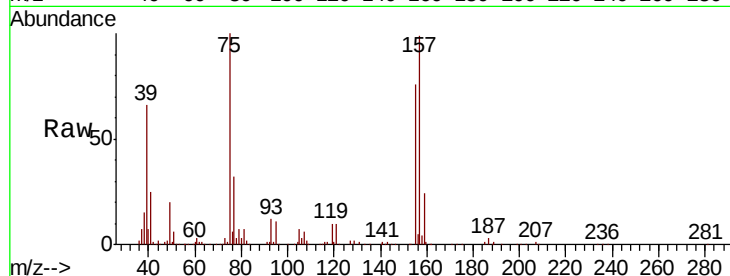
Tgt Ion: 75 Resp: 64079

Ion Ratio Lower Upper

75 100

157 99.4 81.4 122.0

155 75.9 63.0 94.6

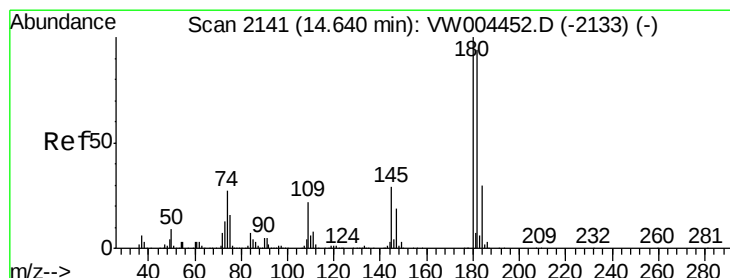
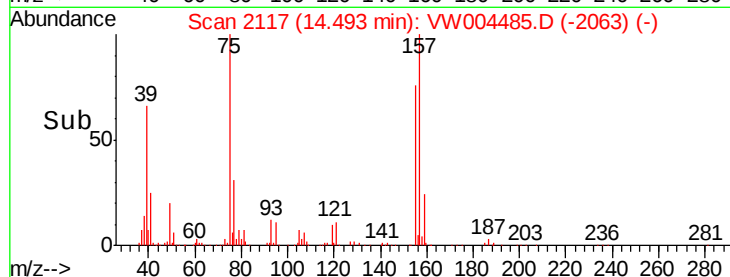
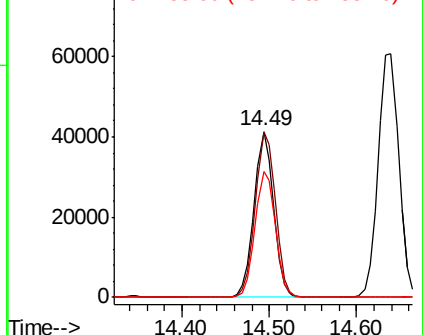


Abundance

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: 25.034 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Tgt Ion: 180 Resp: 626429

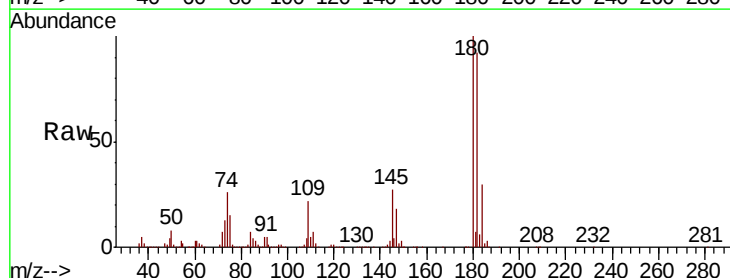
Ion Ratio Lower Upper

180 100

182 94.7 75.1 112.7

184 30.0 24.0 36.0

145 28.7 23.0 34.6



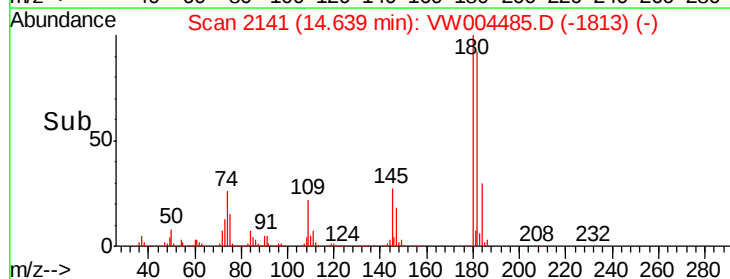
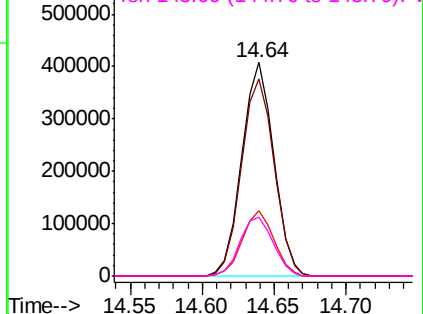
Abundance

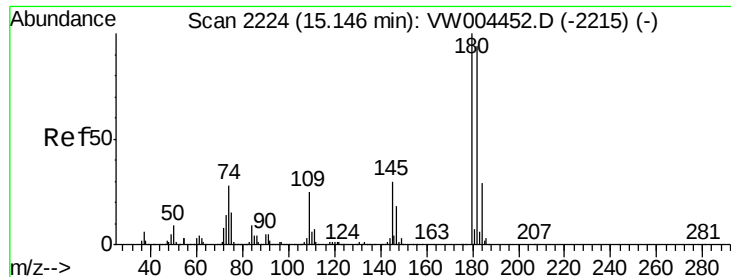
Ion 180.00 (179.70 to 180.70): V

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: 25.480 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

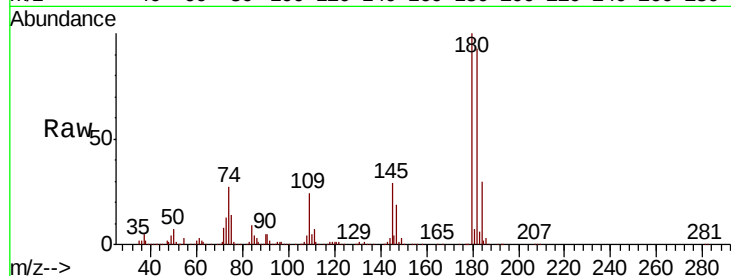
Tgt Ion:180 Resp: 515805

Ion Ratio Lower Upper

180 100

182 94.9 76.9 115.3

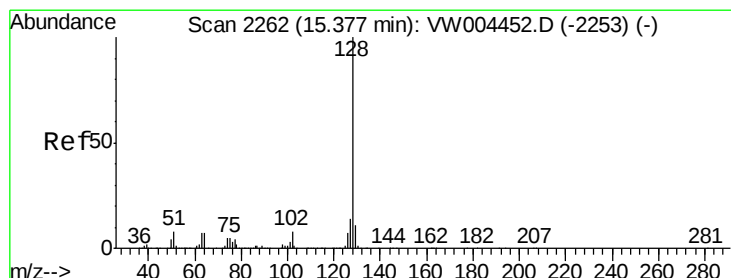
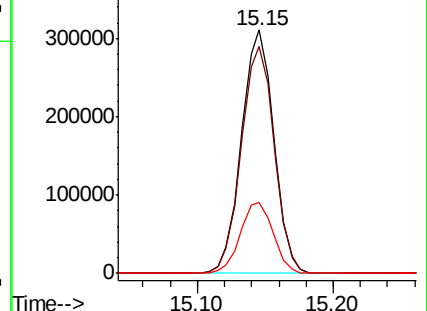
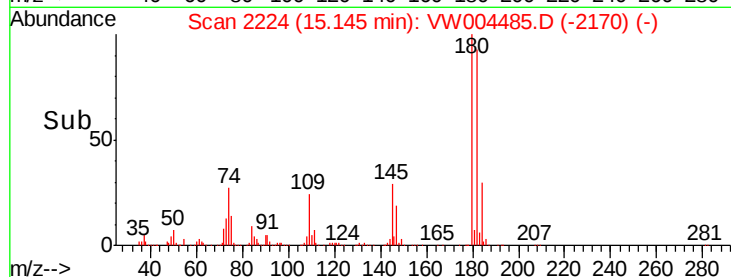
145 29.6 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 23.946 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004485.D

Acq: 07 Aug 2018 08:56

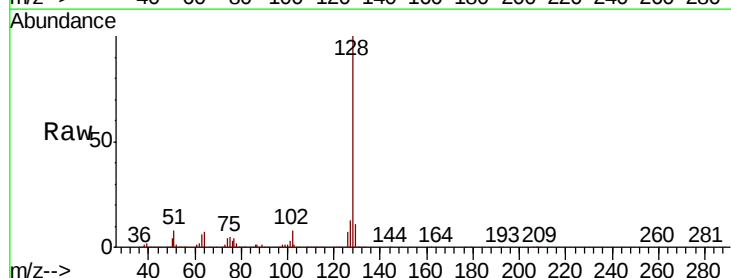
Tgt Ion:128 Resp: 1105511

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

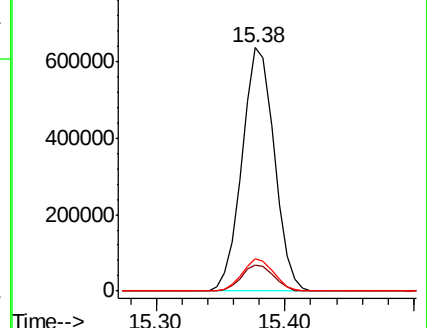
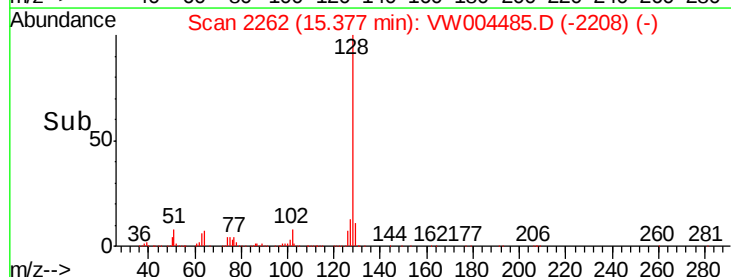
127 13.1 10.6 16.0

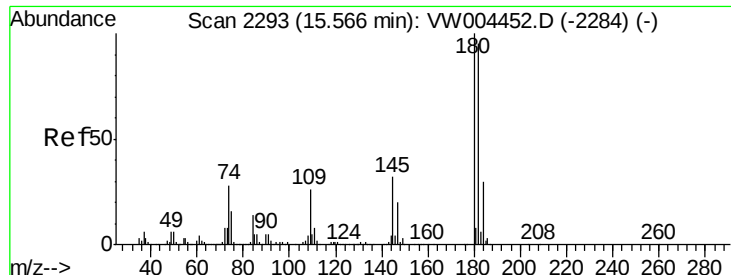


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

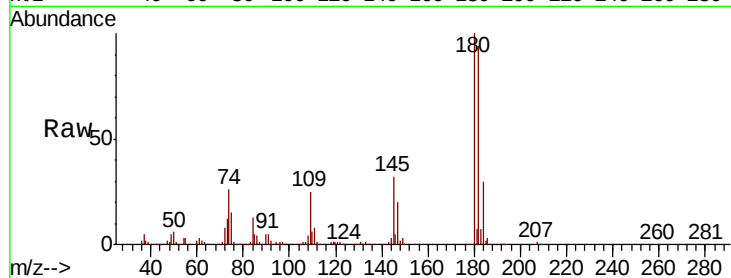




#70
 1,2,3-Trichlorobenzene
 Concen: 25.146 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW004485.D
 Acq: 07 Aug 2018 08:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	31.2	25.2	37.8



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

