

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072518\
 Data File : VW004198.D
 Acq On : 25 Jul 2018 14:56
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Quant Time: Jul 26 00:50:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 00:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	294924	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152600	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	49304	16.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.20%
7) Chloroethane-d5	2.89	69	44472	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.60%
10) 1,1-Dichloroethene-d2	4.01	63	159756	22.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.08%
20) 2-Butanone-d5	7.08	46	114968	64.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.66%
24) Chloroform-d	7.65	84	189534	26.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	8.31	65	114872	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.12%
29) Benzene-d6	8.28	84	330394	24.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.60%
33) 1,2-Dichloropropane-d6	9.27	67	118142	25.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.56%
37) Toluene-d8	10.33	98	295422	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	10.58	79	51409	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.56%
39) 2-Hexanone-d5	10.93	63	83620	68.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.16%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148339	29.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	127569	26.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	39165	20.009 ug/L	# 87
3) Chloromethane	2.21	50	73006	23.331 ug/L	97
5) Vinyl chloride	2.36	62	94478	20.051 ug/L	99
6) Bromomethane	2.78	94	55666	22.253 ug/L	100
8) Chloroethane	2.92	64	57025	23.085 ug/L	94
9) Trichlorofluoromethane	3.25	101	46953	20.000 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110338	26.430 ug/L	97
12) 1,1-Dichloroethene	4.03	96	104266	25.621 ug/L	88
13) Acetone	4.12	43	99288	51.502 ug/L	98
14) Carbon disulfide	4.37	76	323373	24.562 ug/L	98
15) Methyl Acetate	4.67	43	93082	28.302 ug/L	98
16) Methylene chloride	4.91	84	126587	21.584 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	214435	27.246 ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	112849	26.935 ug/L	94
19) 1,1-Dichloroethane	6.21	63	221631	27.805 ug/L	99
21) 2-Butanone	7.18	43	133864	55.962 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	125745	28.080 ug/L	99

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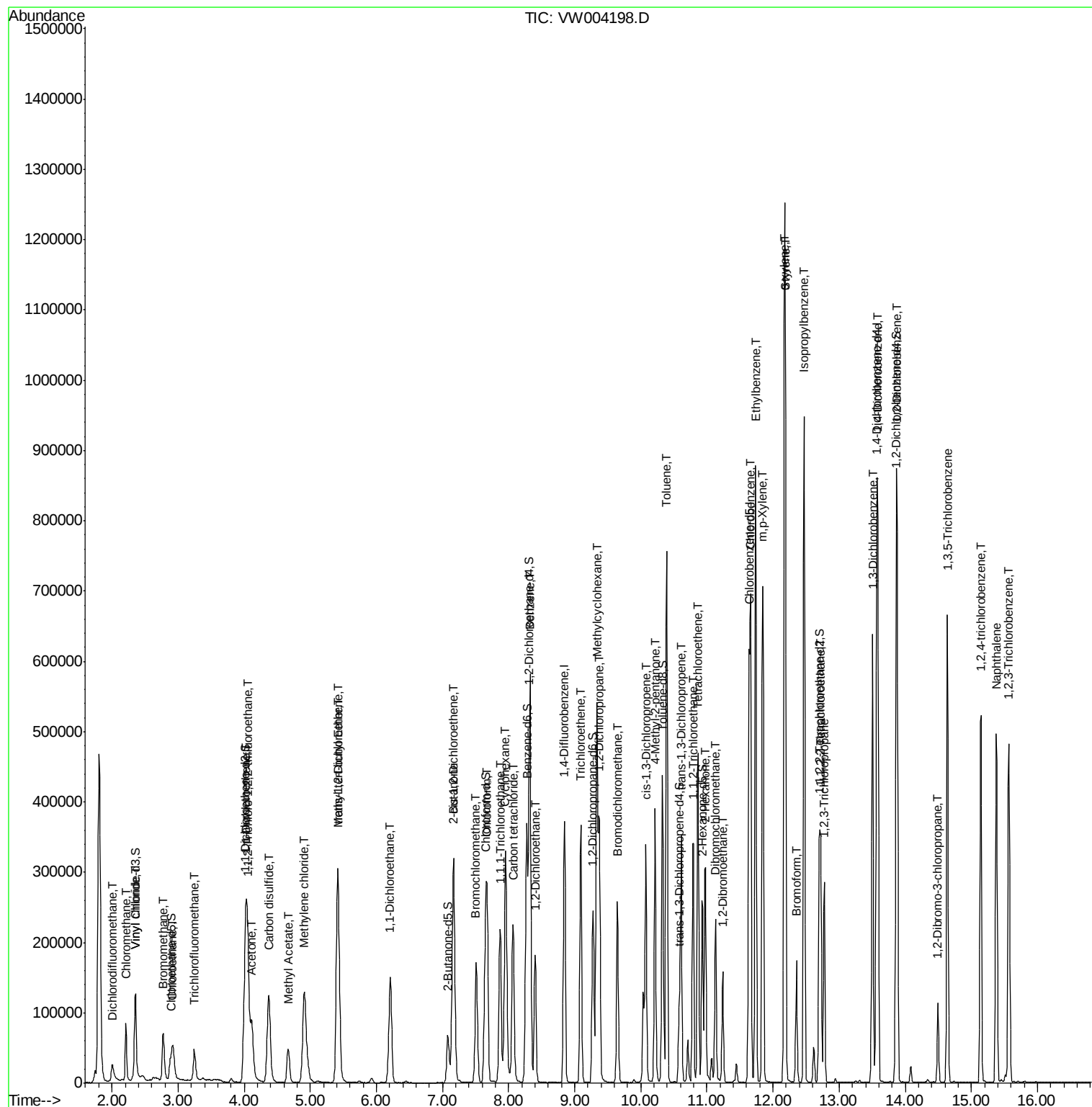
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60111	28.548	ug/L	96
25) Chloroform	7.67	83	227534	27.954	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163641	27.278	ug/L	98
30) Cyclohexane	7.95	56	184644	25.670	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	175331	26.140	ug/L	99
32) Carbon tetrachloride	8.07	117	169546	26.200	ug/L	100
34) Benzene	8.32	78	499769	27.645	ug/L	100
35) Trichloroethene	9.09	95	127445	26.348	ug/L	99
36) Methylcyclohexane	9.34	83	216046	27.024	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136761	27.906	ug/L	99
41) Bromodichloromethane	9.65	83	167030	27.681	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	194192	28.121	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	254291	59.023	ug/L	100
44) Toluene	10.39	91	538019	28.401	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	182715	28.686	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	106480	27.956	ug/L	99
47) Tetrachloroethene	10.87	164	104760	26.854	ug/L	97
49) 2-Hexanone	10.97	43	201656	60.458	ug/L	99
50) Dibromochloromethane	11.13	129	122616	28.737	ug/L	95
51) 1,2-Dibromoethane	11.24	107	104615	28.122	ug/L	98
52) Chlorobenzene	11.66	112	339151	27.923	ug/L	100
53) Ethylbenzene	11.74	91	597830	29.154	ug/L	99
54) m,p-Xylene	11.85	106	225639	29.856	ug/L	99
55) o-xylene	12.17	106	209216	28.942	ug/L	99
56) Styrene	12.19	104	377190	30.204	ug/L	98
57) Isopropylbenzene	12.47	105	582114	29.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	154043	28.295	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	118848	28.201	ug/L	100
62) Bromoform	12.35	173	79588	27.636	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	258810	27.537	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	276754	27.462	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	254591	27.796	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28980	27.139	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	205629	27.668	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	167997	28.187	ug/L	98
69) Naphthalene	15.38	128	407833	30.391	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	169918	29.964	ug/L	99

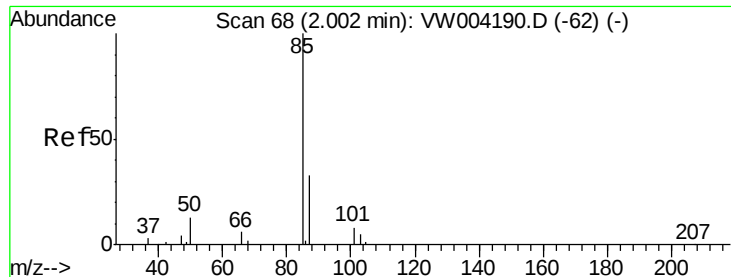
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.009 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

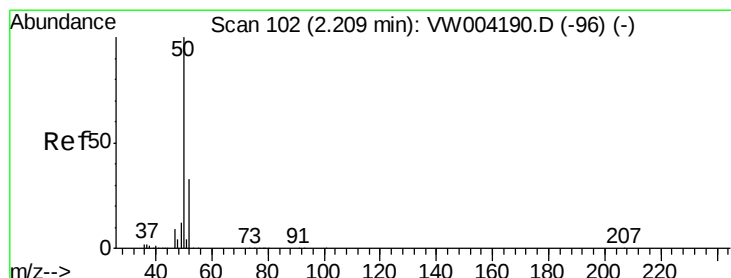
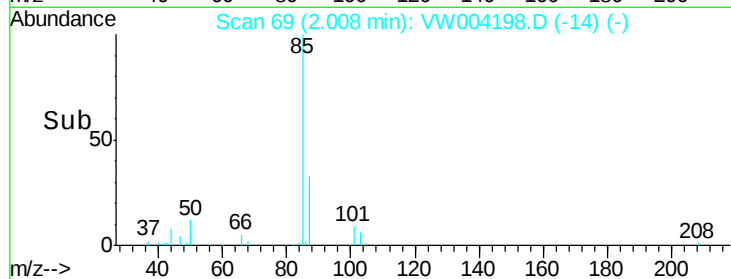
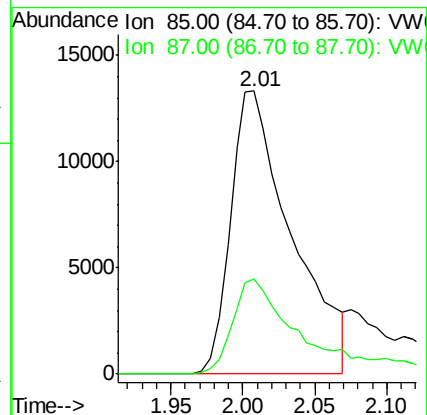
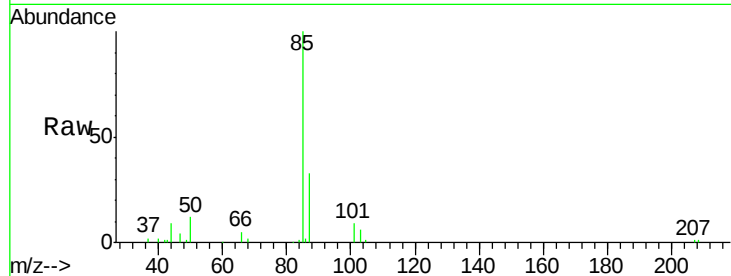
VSTD02584

Tgt Ion: 85 Resp: 39165

Ion Ratio Lower Upper

85 100

87 31.6 0.1 0.1#



#3

Chloromethane

Concen: 23.331 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004198.D

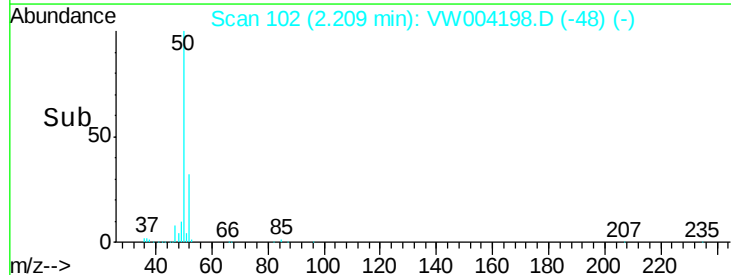
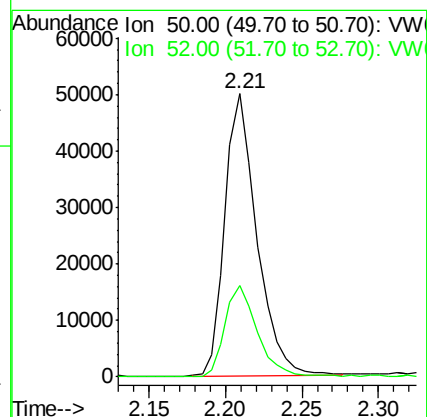
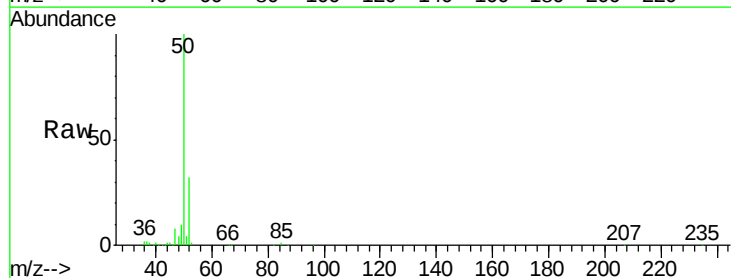
Acq: 25 Jul 2018 14:56

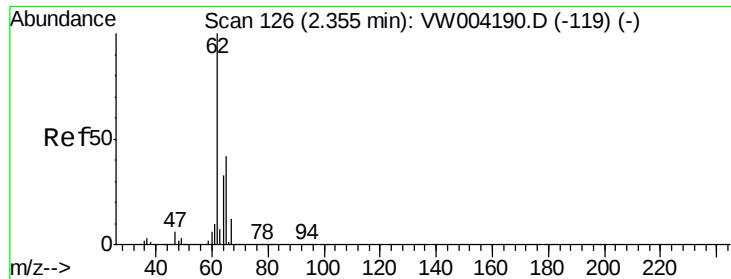
Tgt Ion: 50 Resp: 73006

Ion Ratio Lower Upper

50 100

52 32.3 21.3 39.6





#5

Vinyl chloride

Concen: 20.051 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

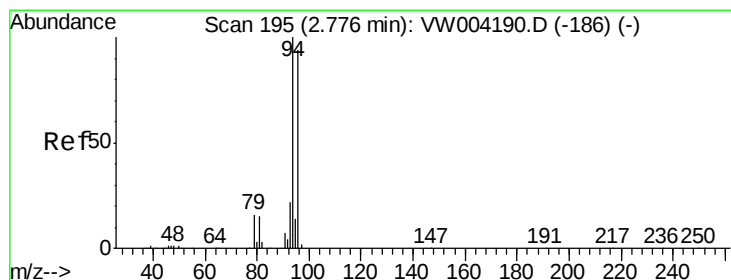
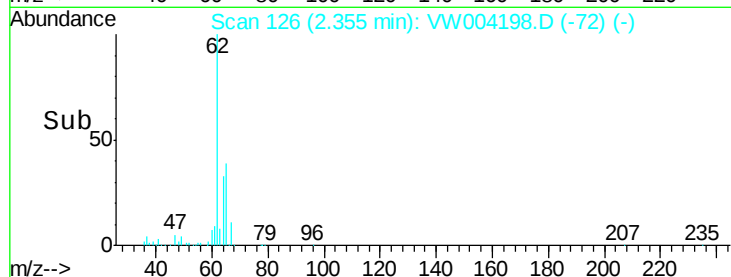
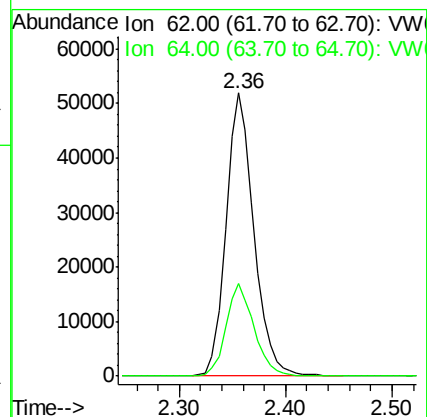
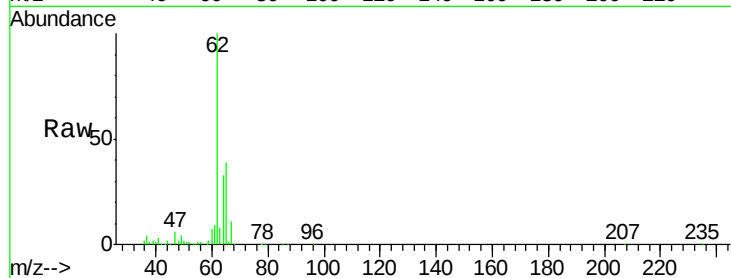
VSTD02584

Tgt Ion: 62 Resp: 94478

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 22.253 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW004198.D

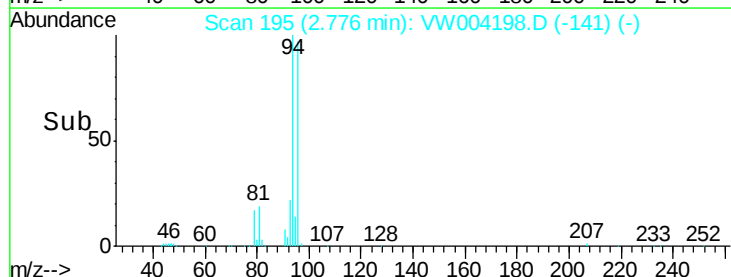
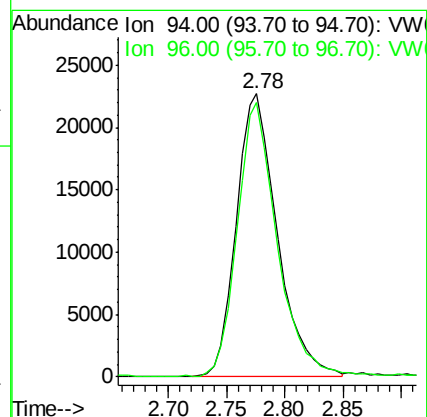
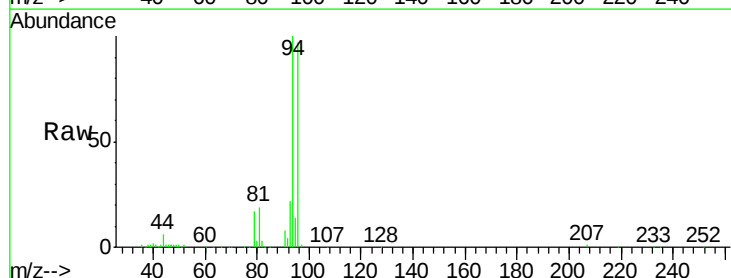
Acq: 25 Jul 2018 14:56

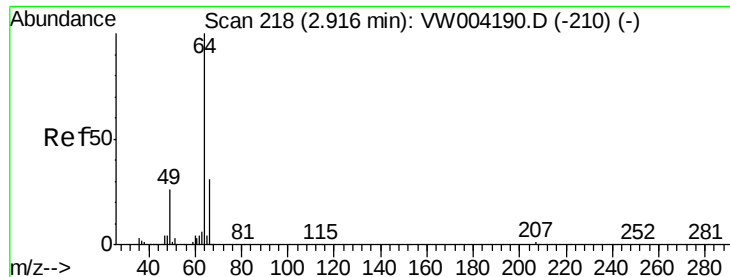
Tgt Ion: 94 Resp: 55666

Ion Ratio Lower Upper

94 100

96 94.6 9.5 179.9





#8

Chloroethane

Concen: 23.085 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

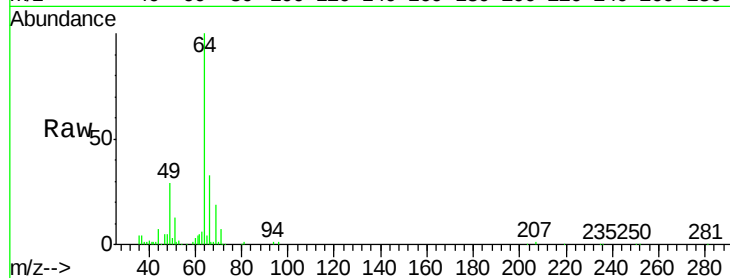
VSTD02584

Tgt Ion: 64 Resp: 57025

Ion Ratio Lower Upper

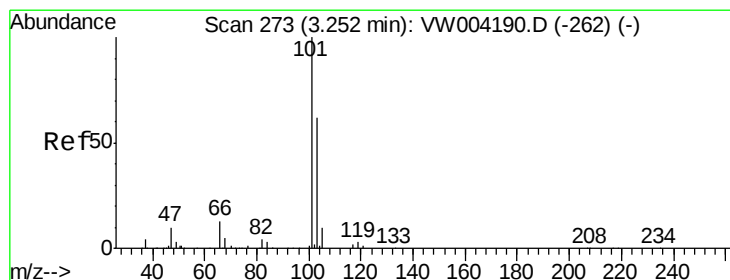
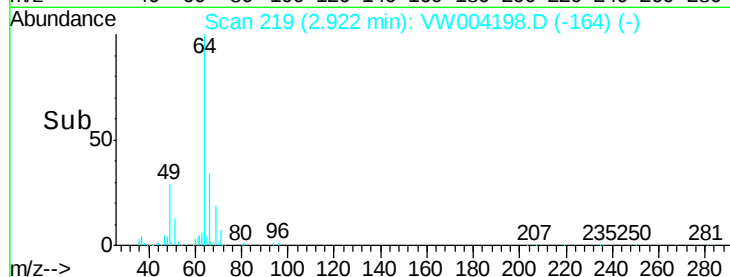
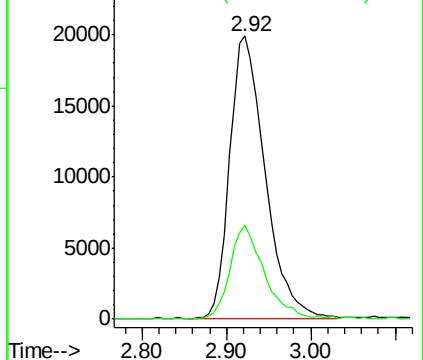
64 100

66 33.4 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 20.000 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004198.D

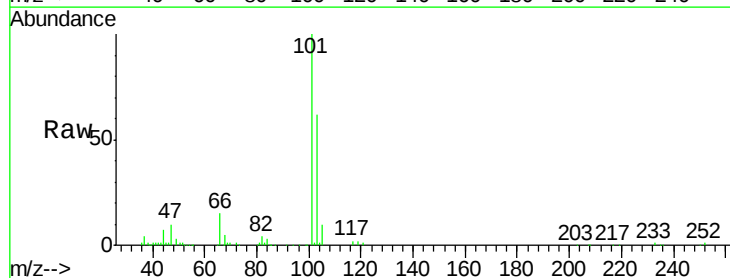
Acq: 25 Jul 2018 14:56

Tgt Ion: 101 Resp: 46953

Ion Ratio Lower Upper

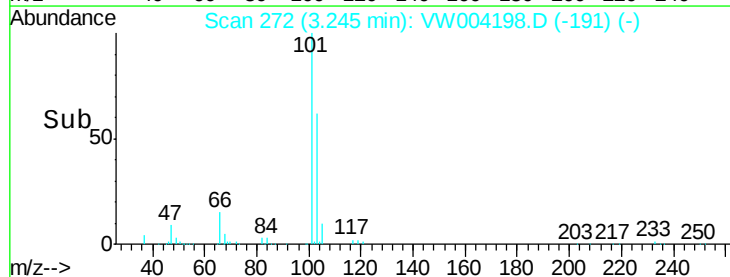
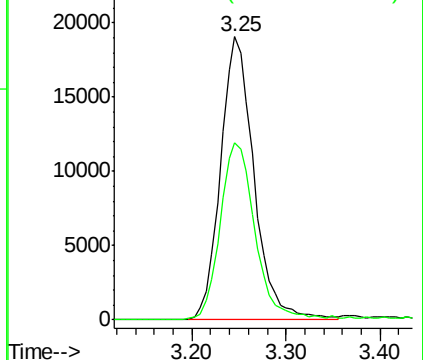
101 100

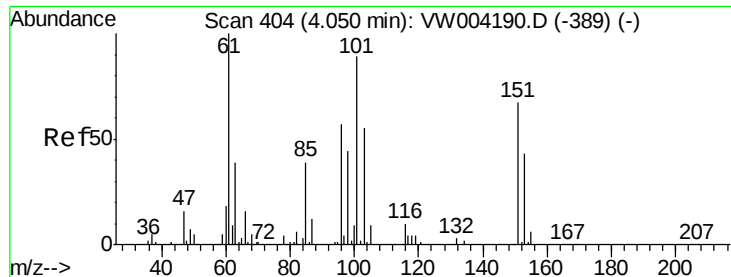
103 64.4 45.6 84.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.430 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

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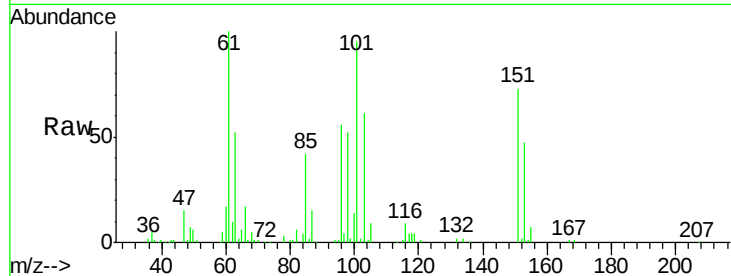
Tgt Ion:101 Resp: 110338

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

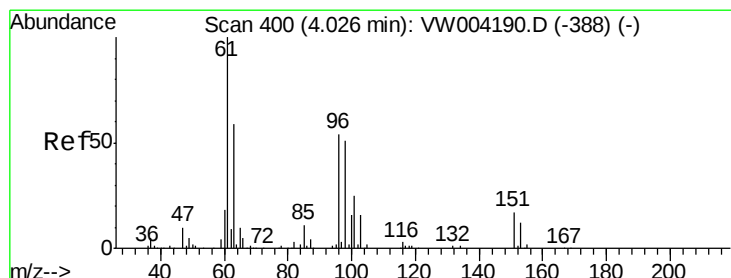
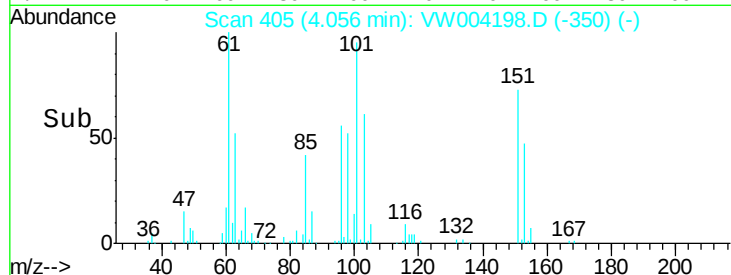
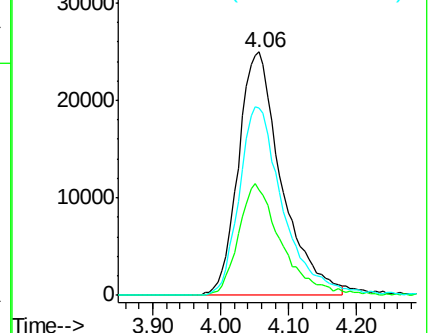
151 78.2 59.5 89.3



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: 25.621 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

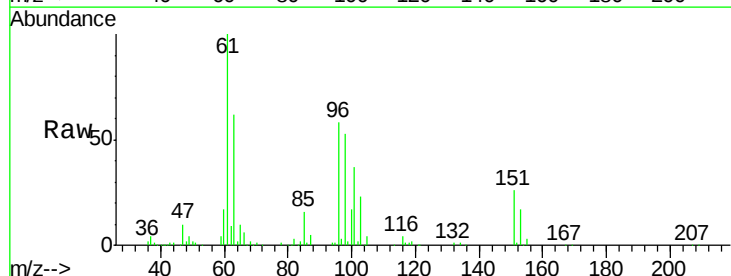
Tgt Ion: 96 Resp: 104266

Ion Ratio Lower Upper

96 100

61 171.2 127.3 236.5

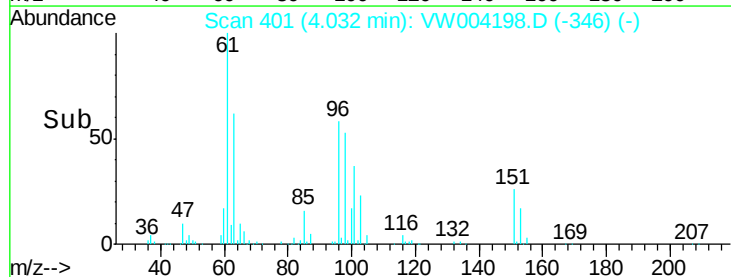
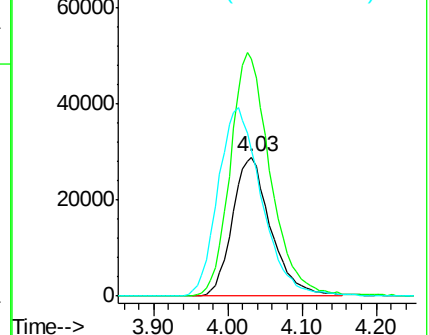
63 105.8 88.5 164.4

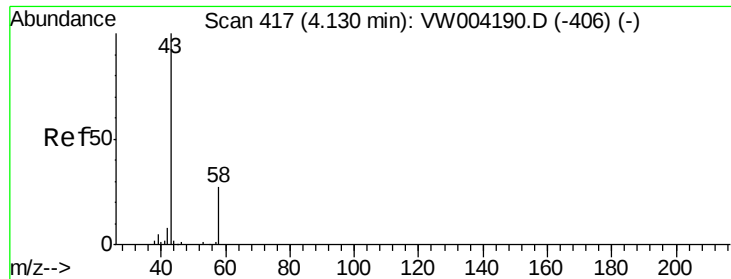


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.502 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

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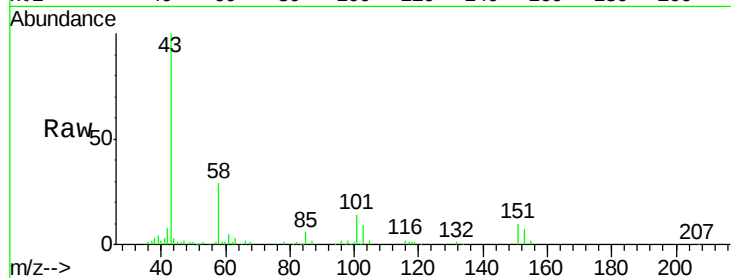
VSTD02584

Tgt Ion: 43 Resp: 99288

Ion Ratio Lower Upper

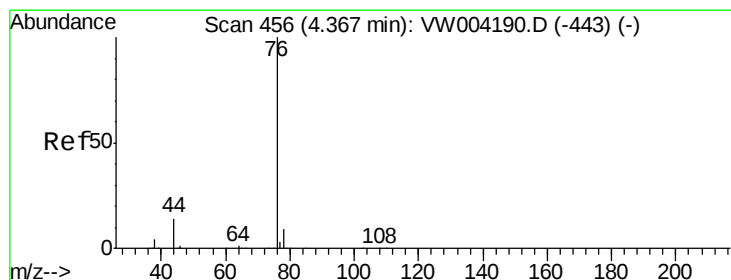
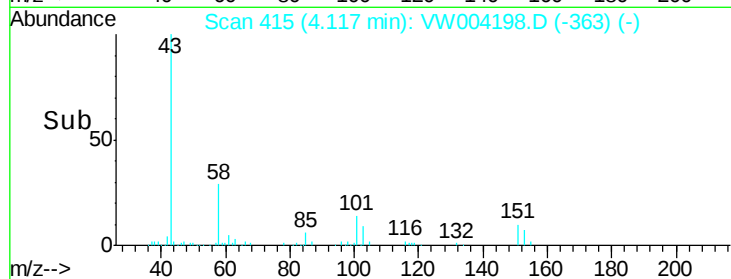
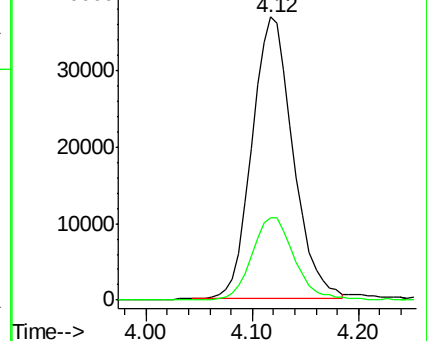
43 100

58 30.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.562 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004198.D

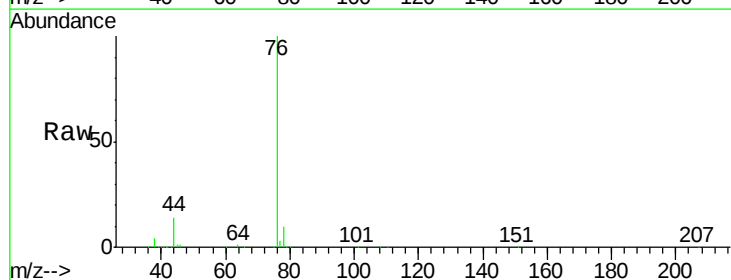
Acq: 25 Jul 2018 14:56

Tgt Ion: 76 Resp: 323373

Ion Ratio Lower Upper

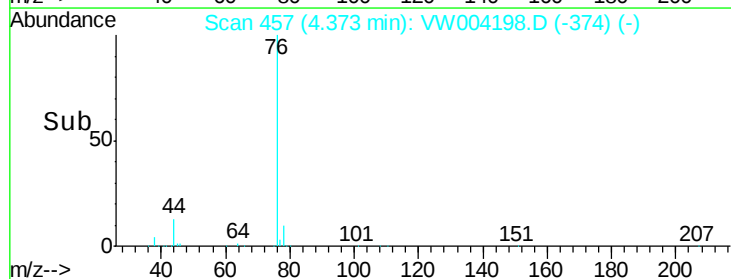
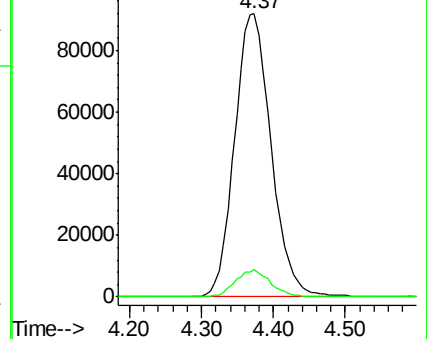
76 100

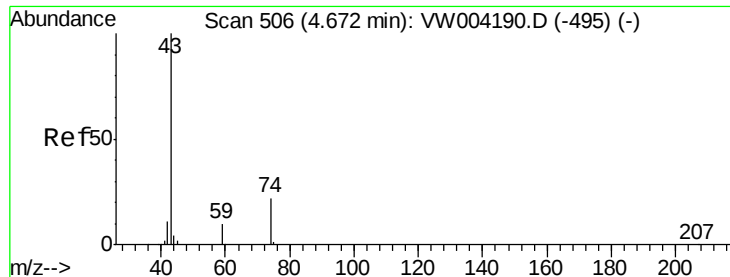
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

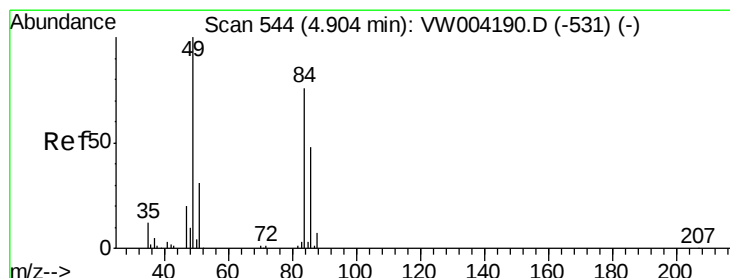
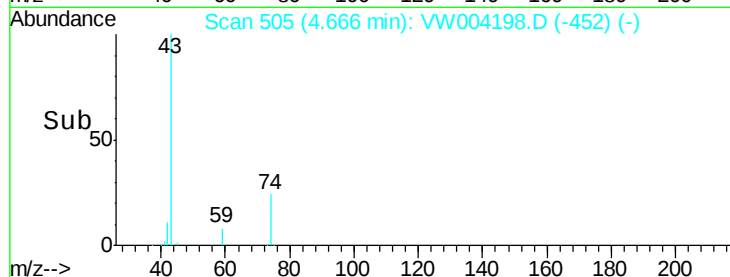
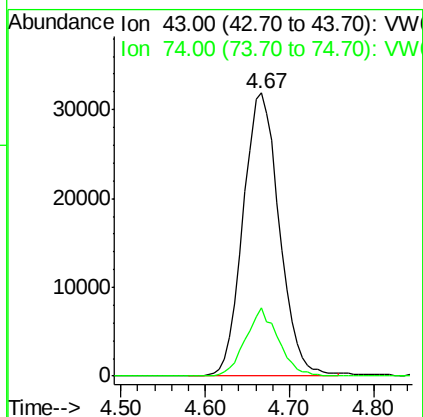
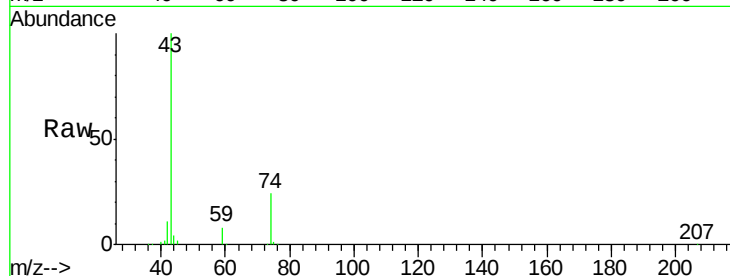




#15
Methyl Acetate
Concen: 28.302 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

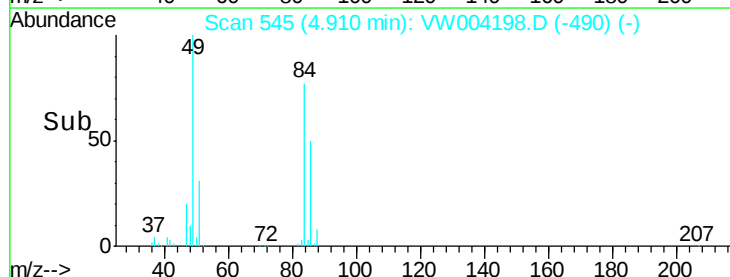
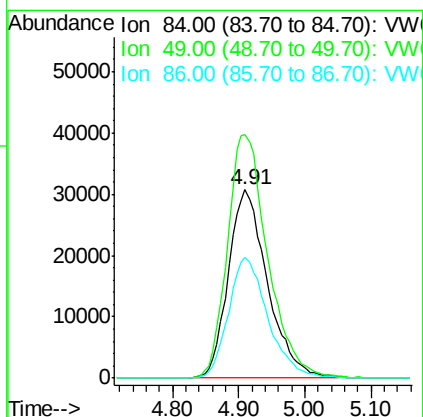
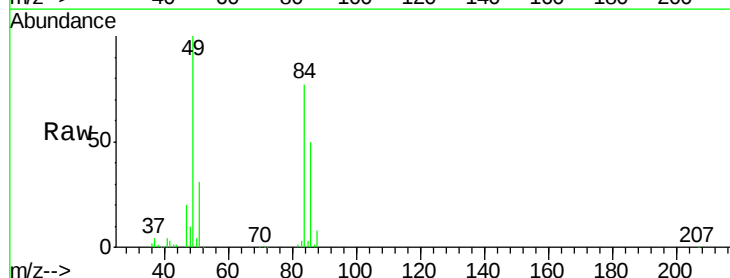
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

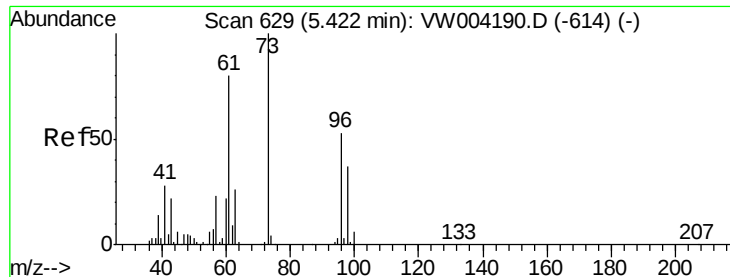
Tgt Ion: 43 Resp: 93082
Ion Ratio Lower Upper
43 100
74 21.8 16.6 24.8



#16
Methylene chloride
Concen: 21.584 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion: 84 Resp: 126587
Ion Ratio Lower Upper
84 100
49 129.5 94.2 175.0
86 64.5 45.1 83.9

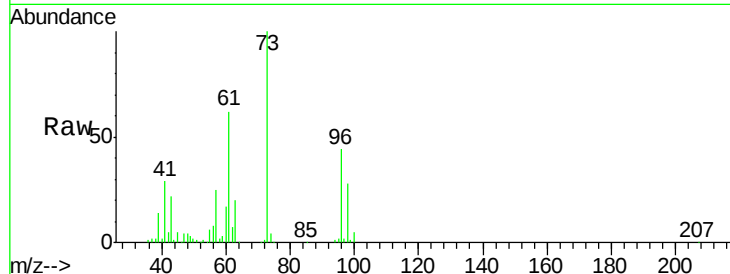




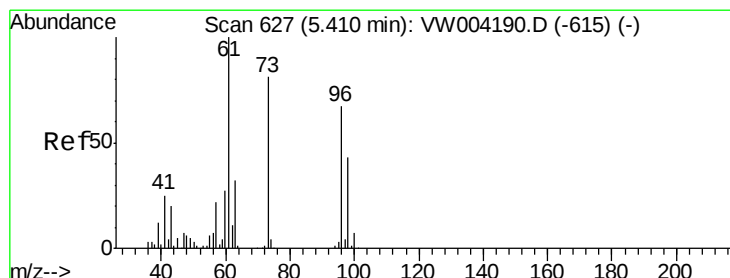
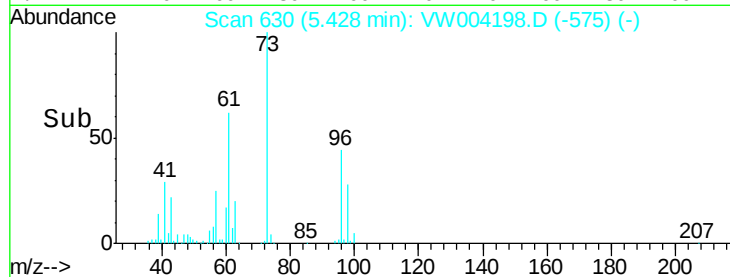
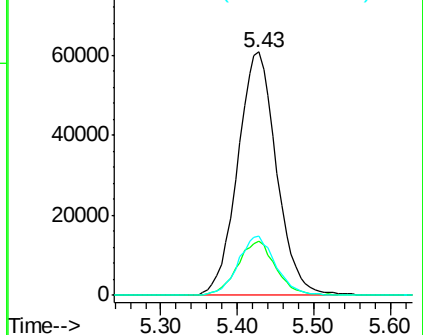
#17
Methyl tert-butyl Ether
Concen: 27.246 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

Tgt Ion: 73 Resp: 214435
Ion Ratio Lower Upper
73 100
43 22.0 18.1 27.1
57 23.6 19.0 28.4

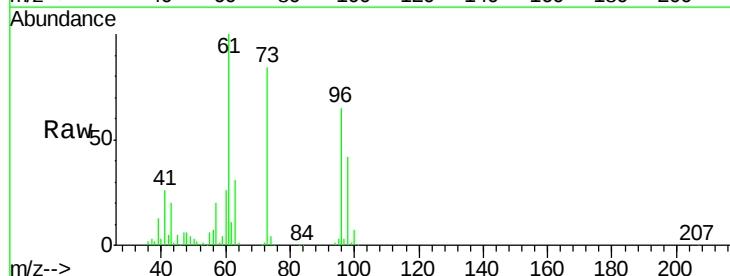


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

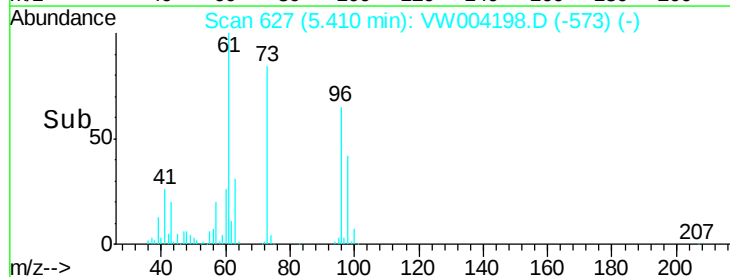
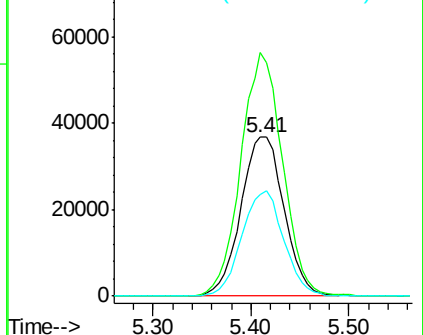


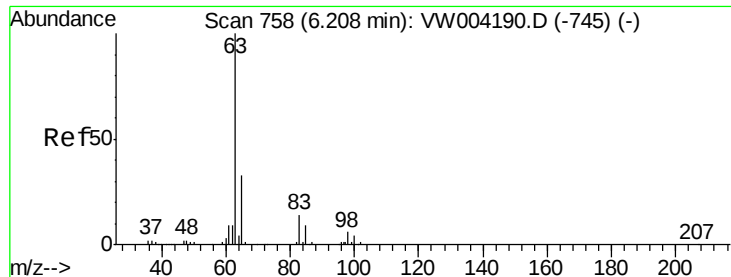
#18
trans-1,2-Dichloroethene
Concen: 26.935 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion: 96 Resp: 112849
Ion Ratio Lower Upper
96 100
61 153.3 99.8 185.4
98 64.1 44.9 83.3



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: 27.805 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

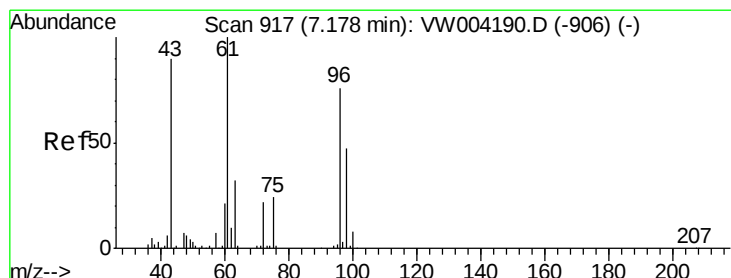
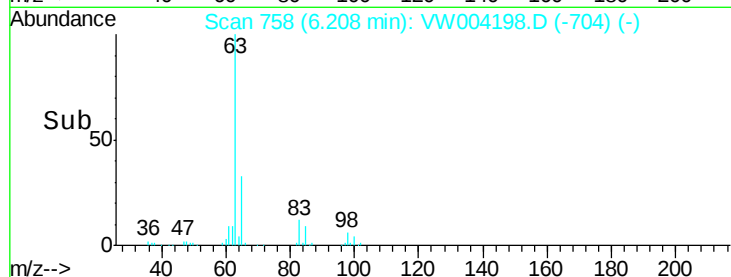
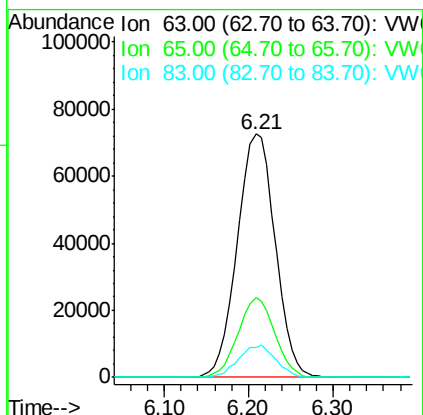
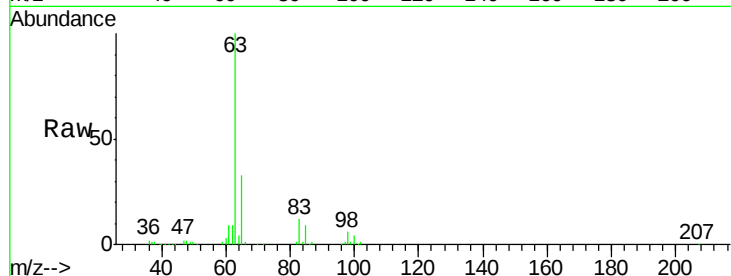
Tgt Ion: 63 Resp: 221631

Ion Ratio Lower Upper

63 100

65 32.7 22.4 41.6

83 12.4 9.2 17.2



#21

2-Butanone

Concen: 55.962 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004198.D

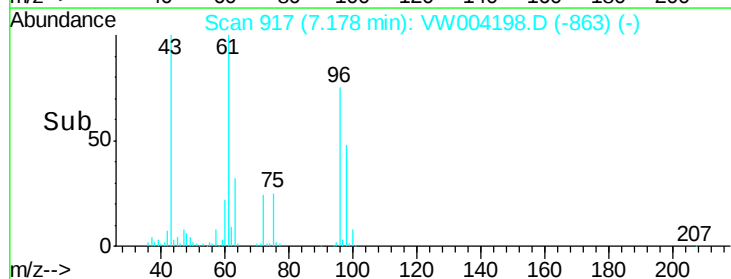
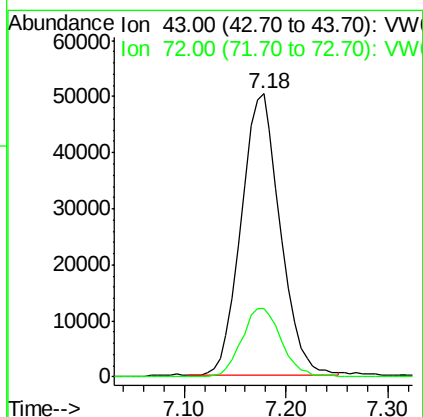
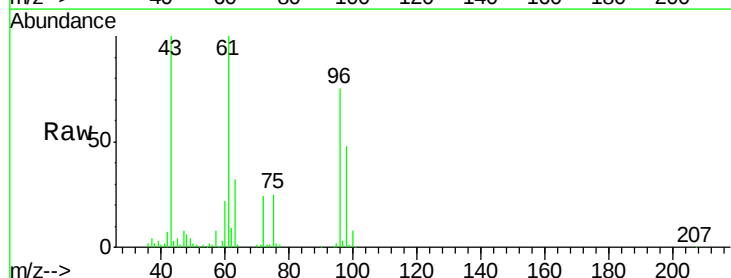
Acq: 25 Jul 2018 14:56

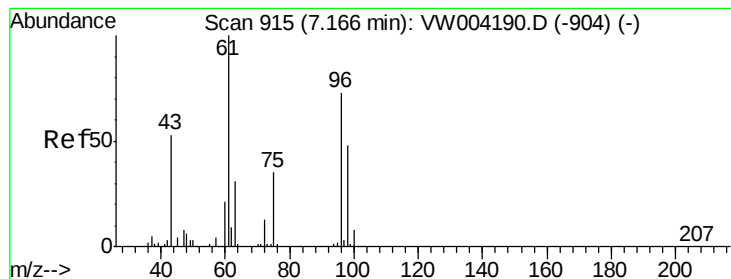
Tgt Ion: 43 Resp: 133864

Ion Ratio Lower Upper

43 100

72 24.5 12.1 36.3



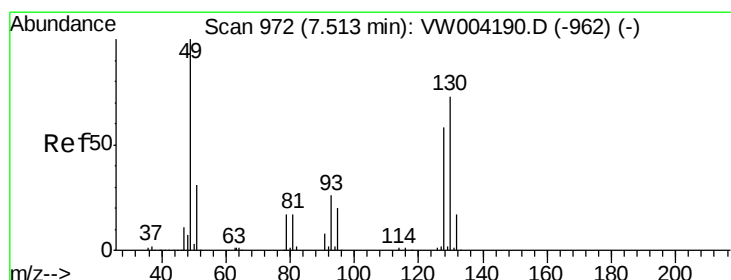
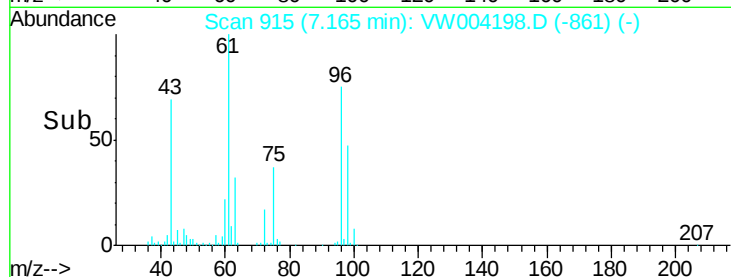
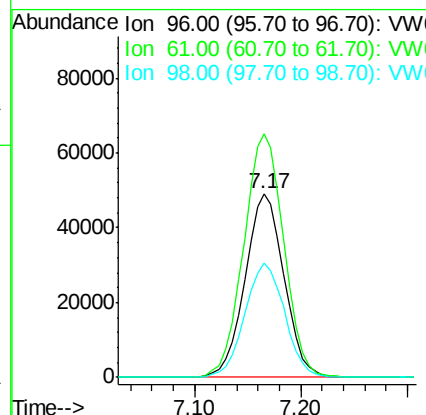
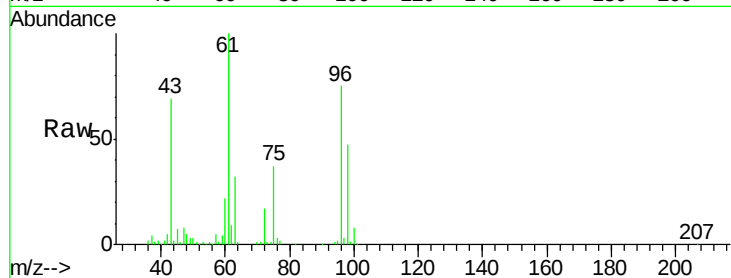


#22

cis-1,2-Dichloroethene
Concen: 28.080 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

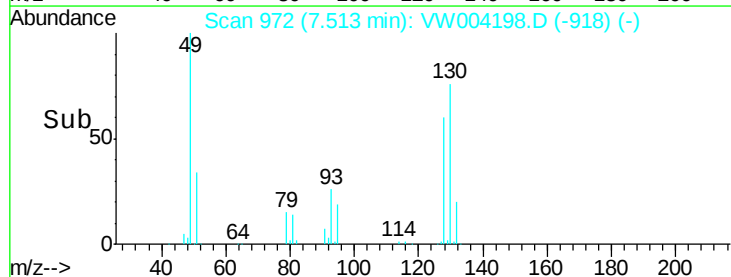
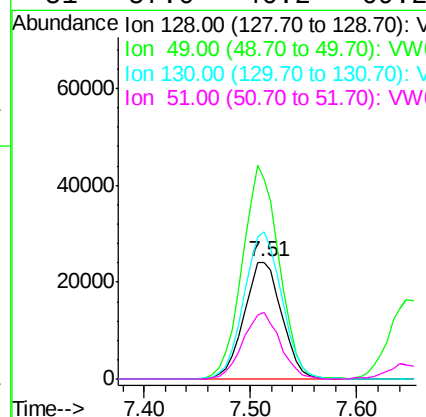
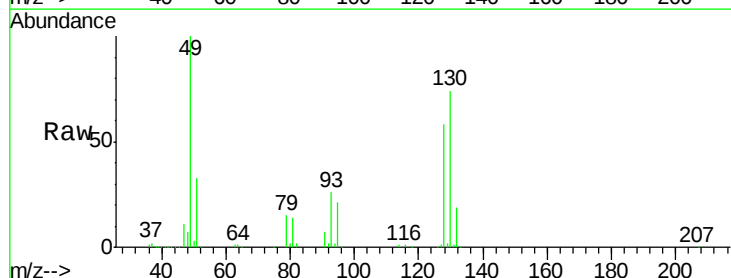
Tgt Ion: 96 Resp: 125745
Ion Ratio Lower Upper
96 100
61 132.6 92.5 171.9
98 62.6 43.0 80.0

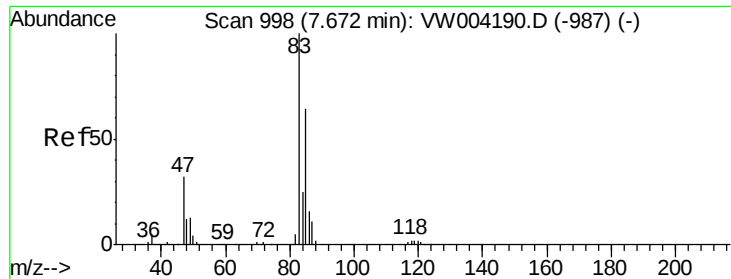


#23

Bromochloromethane
Concen: 28.548 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion: 128 Resp: 60111
Ion Ratio Lower Upper
128 100
49 171.2 126.4 234.8
130 126.2 87.8 163.0
51 57.0 46.2 69.2





#25

Chloroform

Concen: 27.954 ug/L

RT: 7.67 min Scan# 998

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

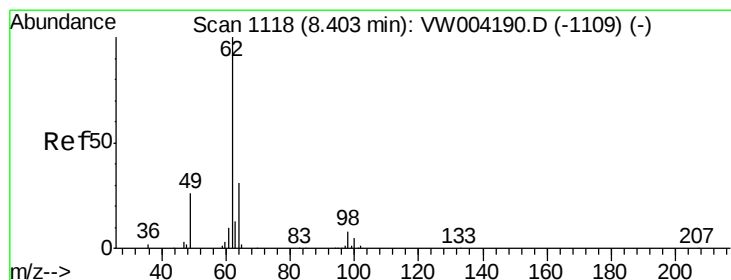
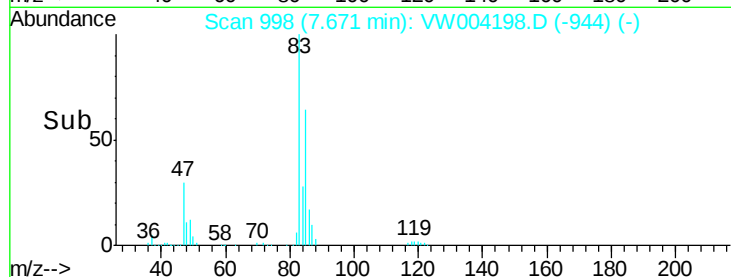
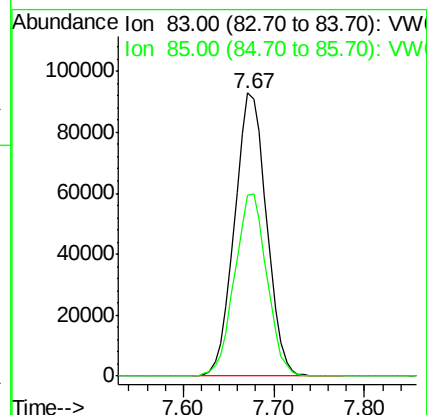
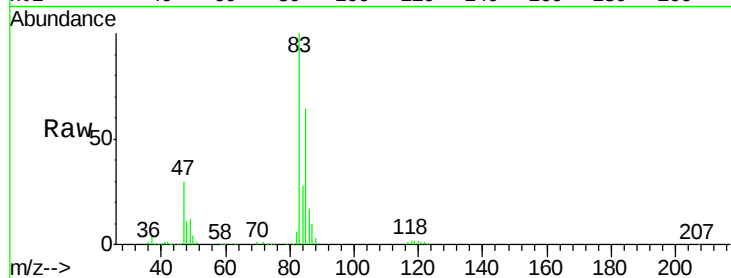
VSTD02584

Tgt Ion: 83 Resp: 227534

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 27.278 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004198.D

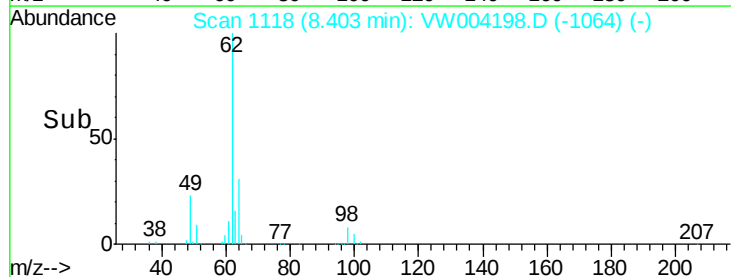
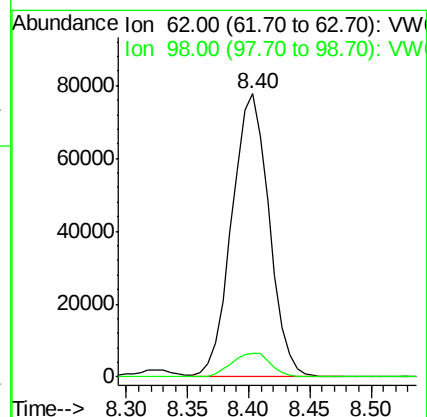
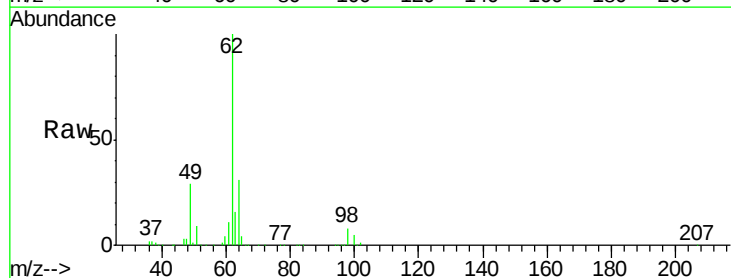
Acq: 25 Jul 2018 14:56

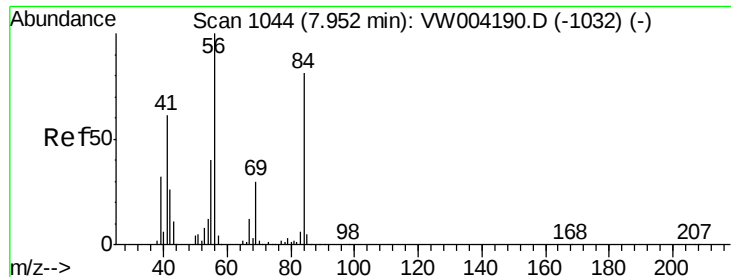
Tgt Ion: 62 Resp: 163641

Ion Ratio Lower Upper

62 100

98 8.4 6.2 9.4

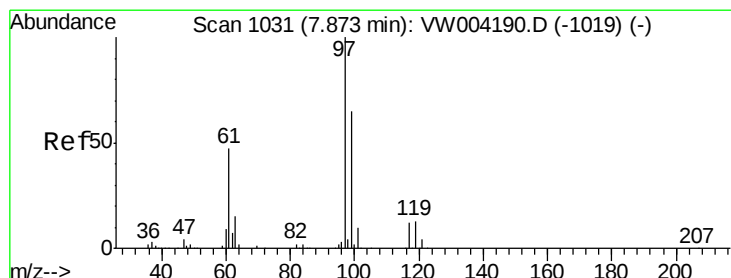
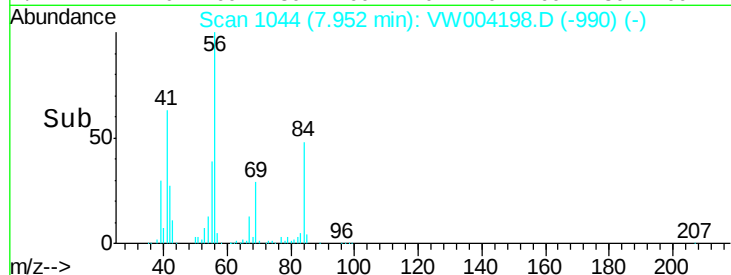
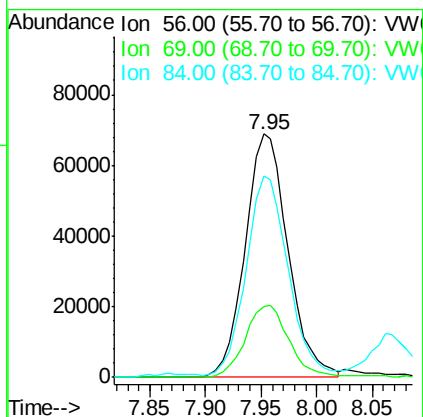
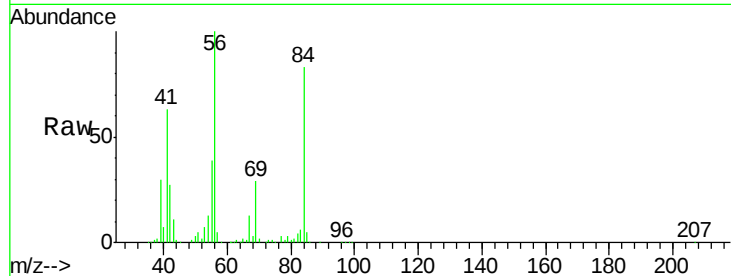




#30
Cyclohexane
Concen: 25.670 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

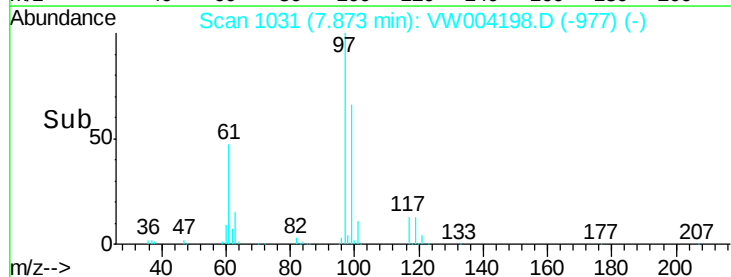
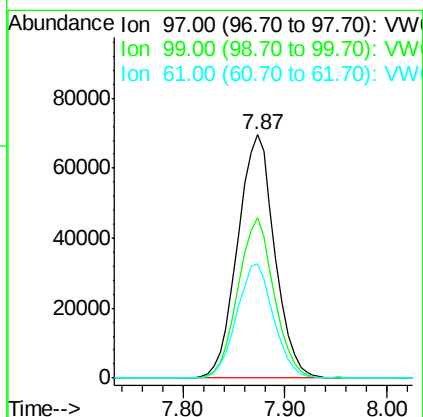
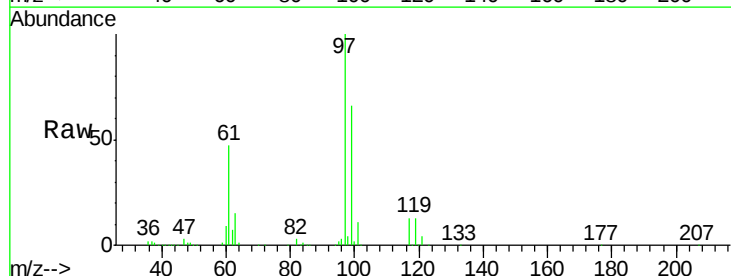
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

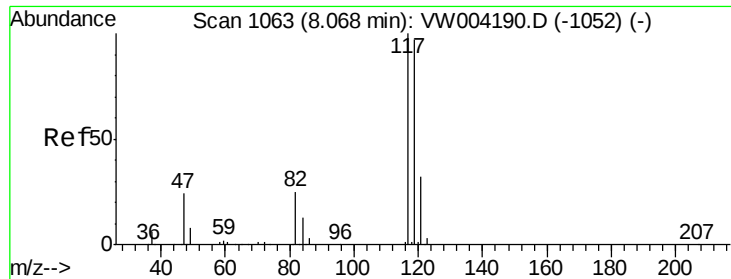
Tgt Ion: 56 Resp: 184644
Ion Ratio Lower Upper
56 100
69 29.9 22.8 34.2
84 82.3 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 26.140 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion: 97 Resp: 175331
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 46.7 38.6 57.8





#32

Carbon tetrachloride

Concen: 26.200 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

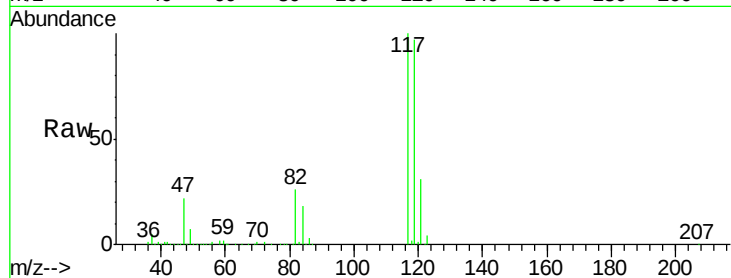
VSTD02584

Tgt Ion:117 Resp: 169546

Ion Ratio Lower Upper

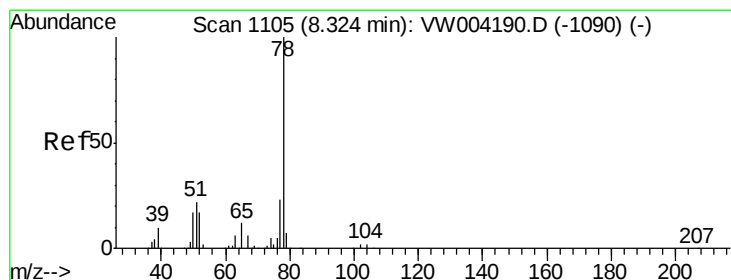
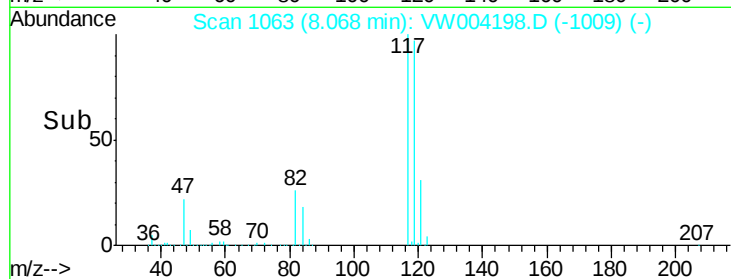
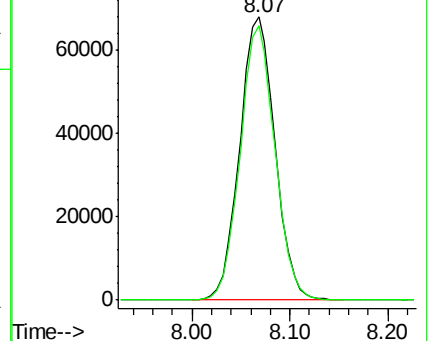
117 100

119 95.6 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.645 ug/L

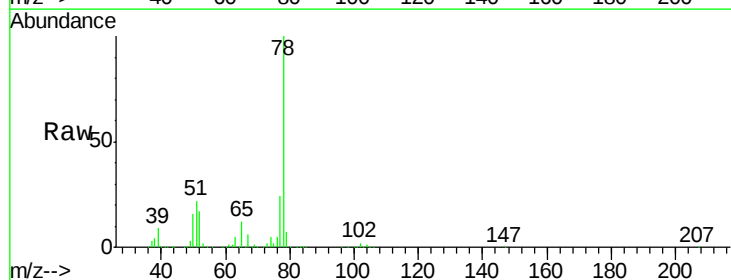
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

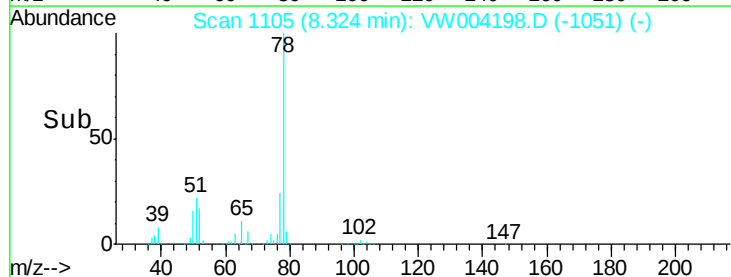
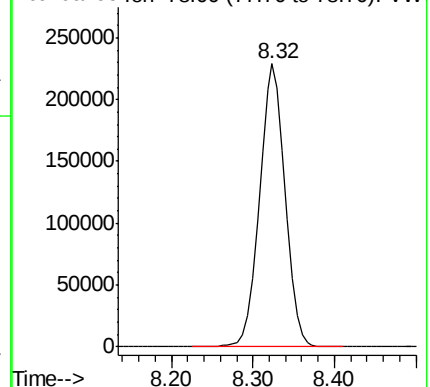
Lab File: VW004198.D

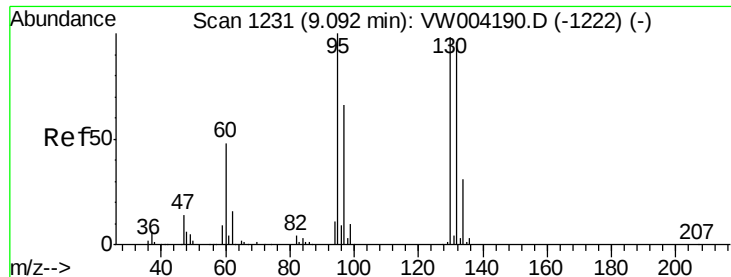
Acq: 25 Jul 2018 14:56

Tgt Ion: 78 Resp: 499769



Abundance Ion 78.00 (77.70 to 78.70): VW

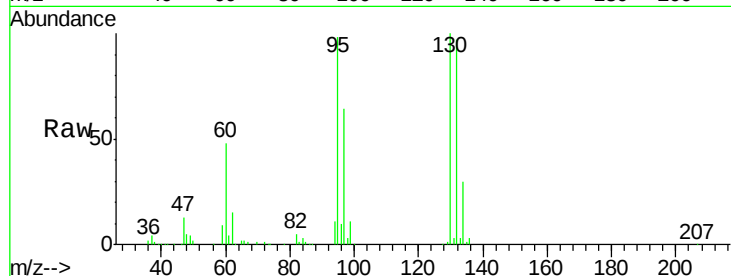




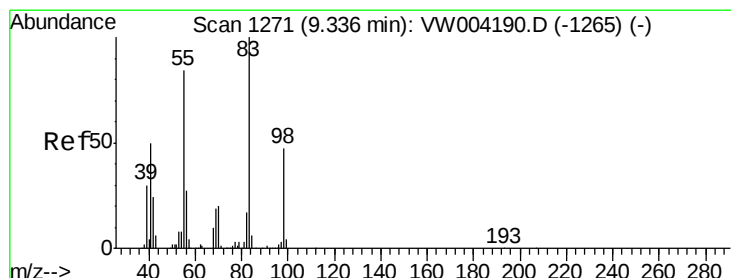
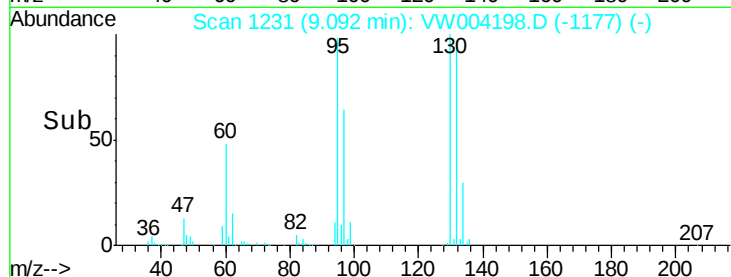
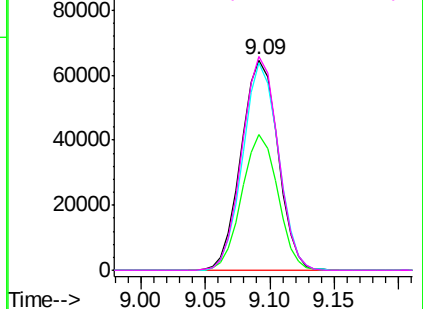
#35
 Trichloroethene
 Concen: 26.348 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Tgt Ion:	95	Resp:	127445
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.7	83.1
132	95.9	66.1	122.7
130	100.0	68.9	127.9

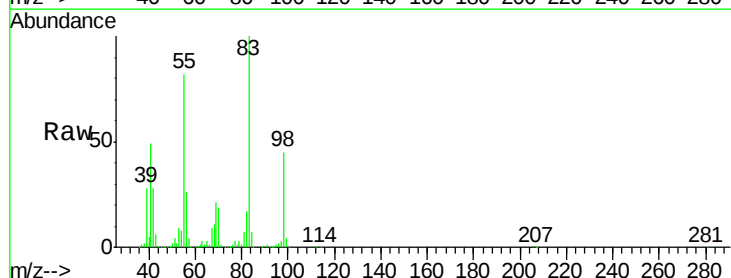


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

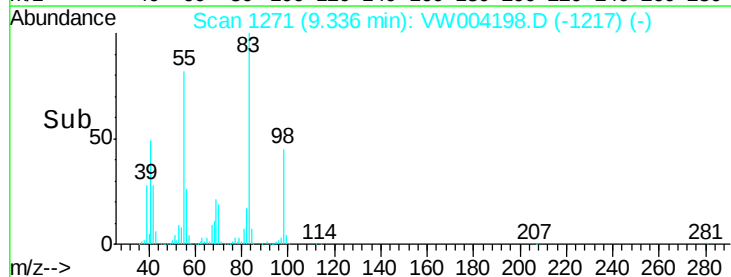
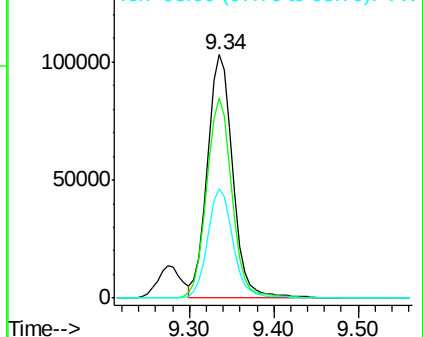


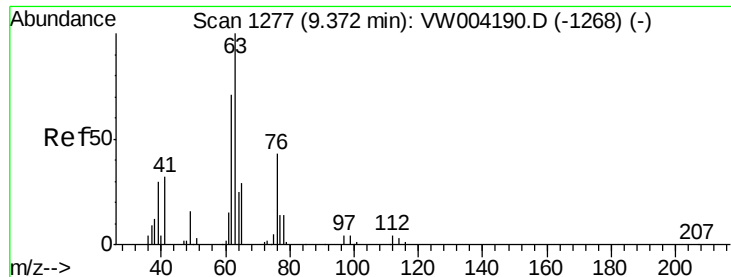
#36
 Methylcyclohexane
 Concen: 27.024 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion:	83	Resp:	216046
Ion	Ratio	Lower	Upper
83	100		
55	82.2	65.8	98.6
98	44.7	37.0	55.6



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

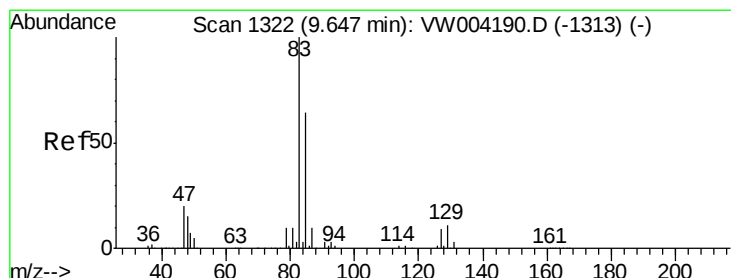
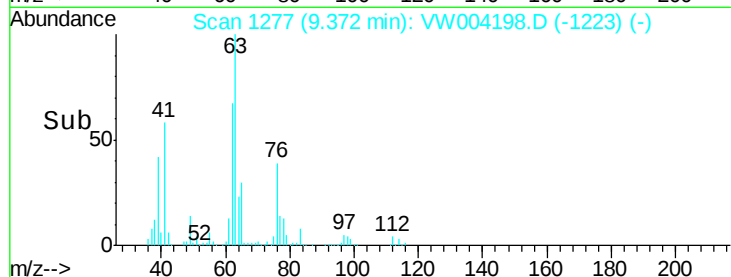
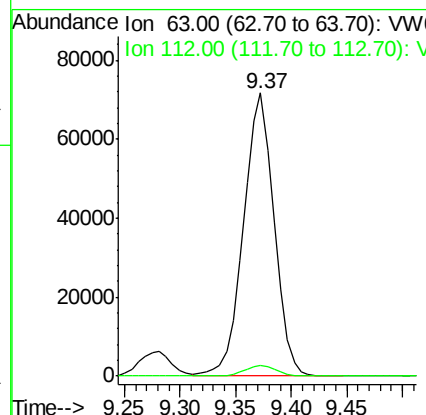
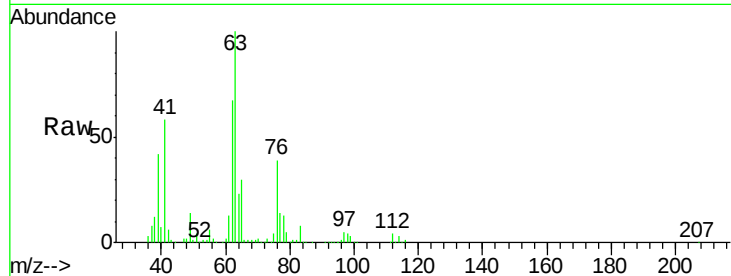




#40
 1,2-Dichloropropane
 Concen: 27.906 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

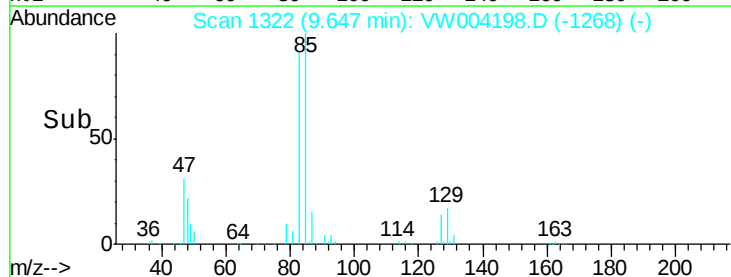
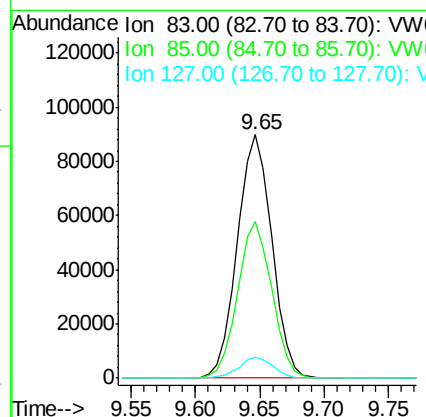
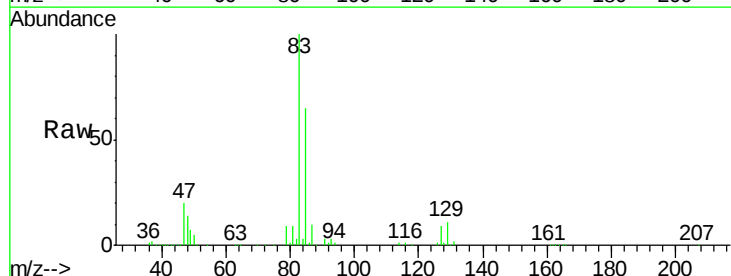
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

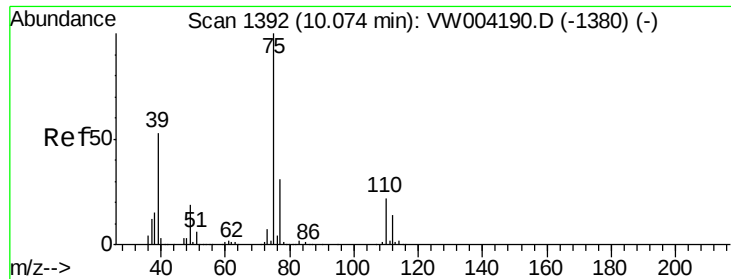
Tgt Ion: 63 Resp: 136761
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.681 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion: 83 Resp: 167030
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 82.9
 127 8.8 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 28.121 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

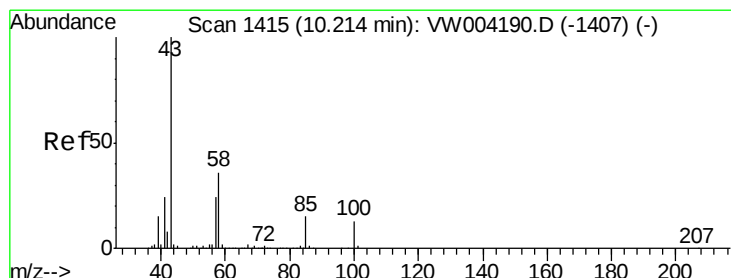
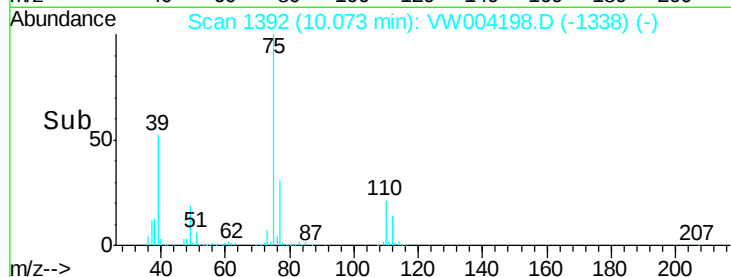
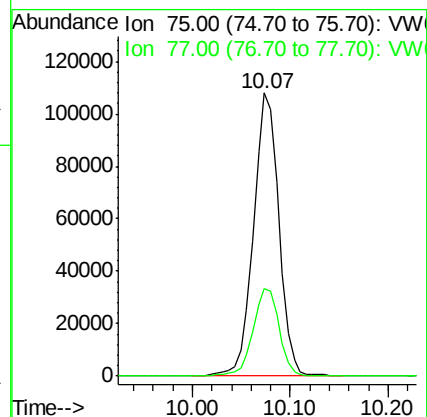
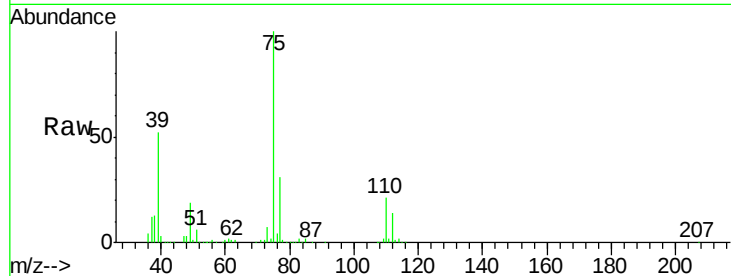
VSTD02584

Tgt Ion: 75 Resp: 194192

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 59.023 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

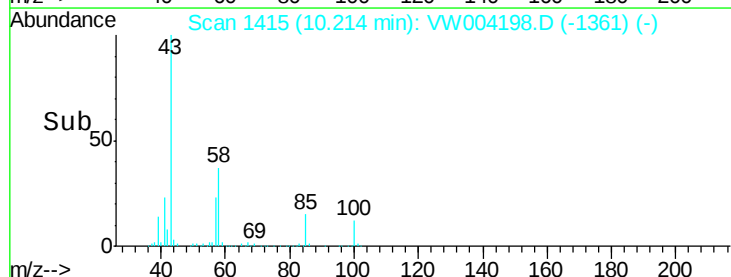
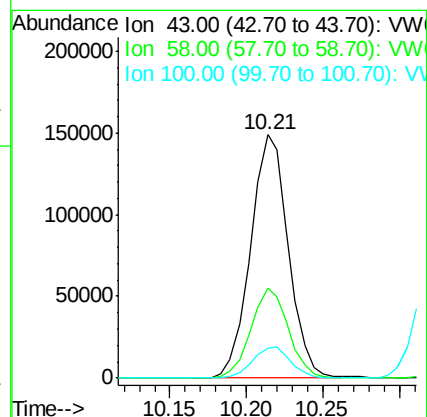
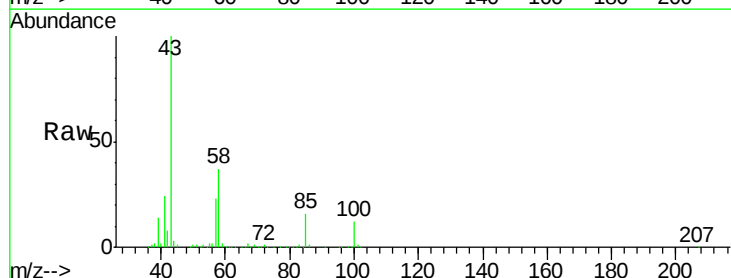
Tgt Ion: 43 Resp: 254291

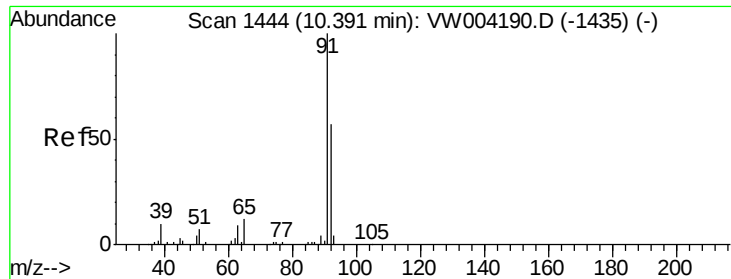
Ion Ratio Lower Upper

43 100

58 36.9 29.4 44.2

100 13.1 10.8 16.2





#44

Toluene

Concen: 28.401 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

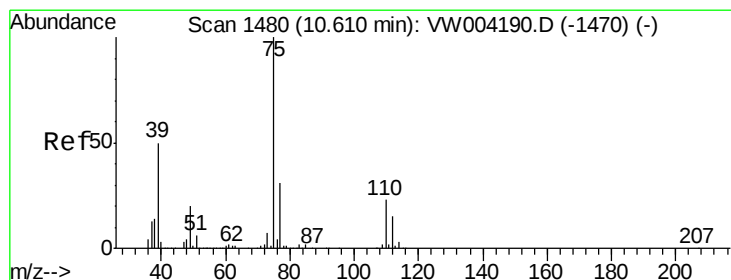
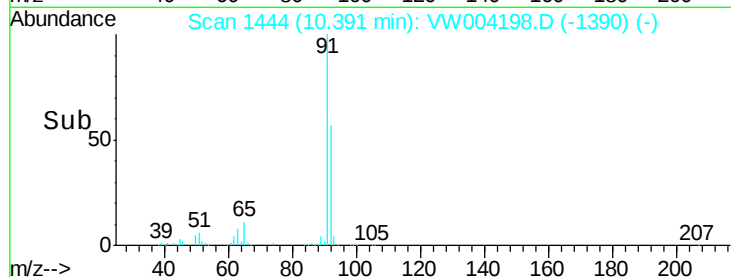
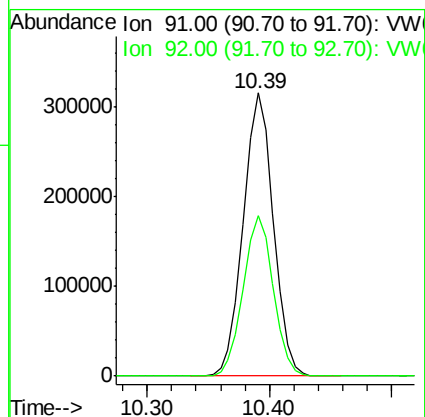
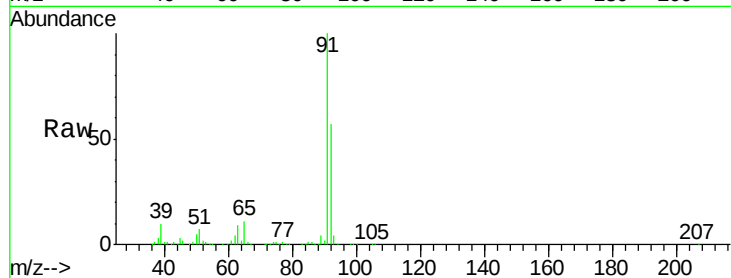
VSTD02584

Tgt Ion: 91 Resp: 538019

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 28.686 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004198.D

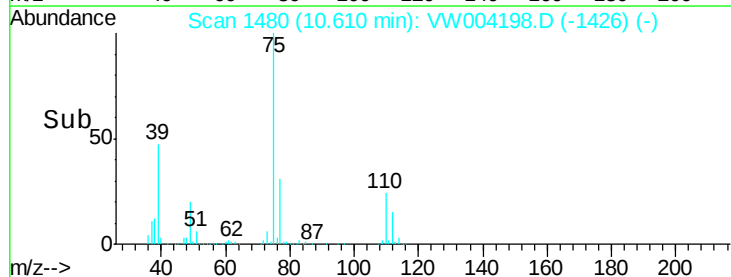
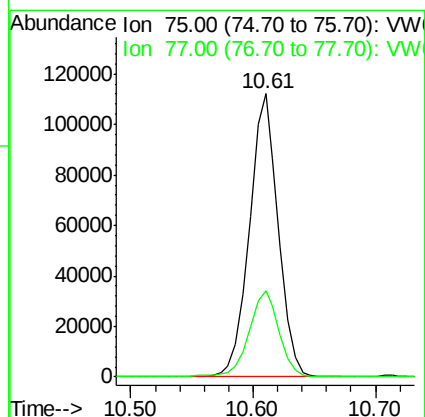
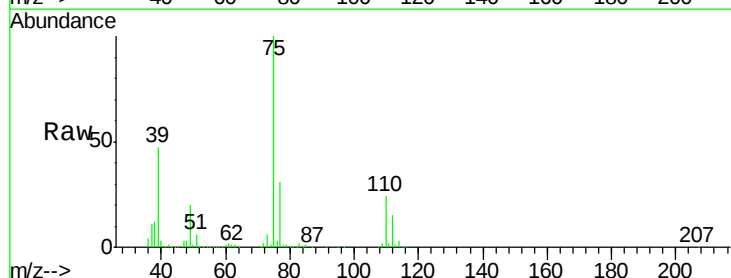
Acq: 25 Jul 2018 14:56

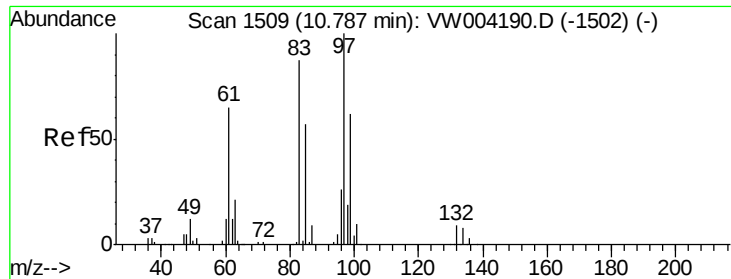
Tgt Ion: 75 Resp: 182715

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.7

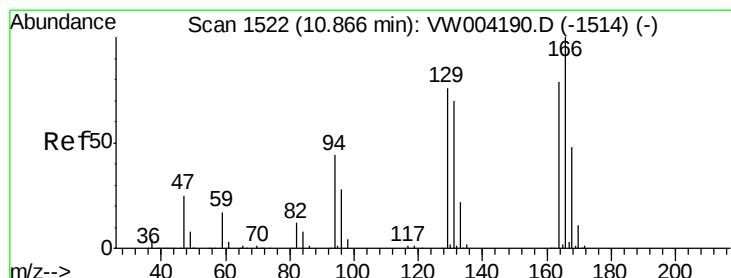
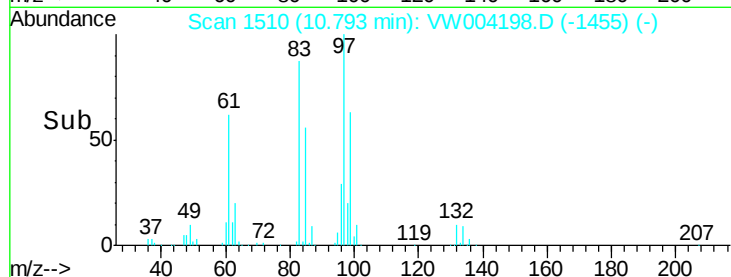
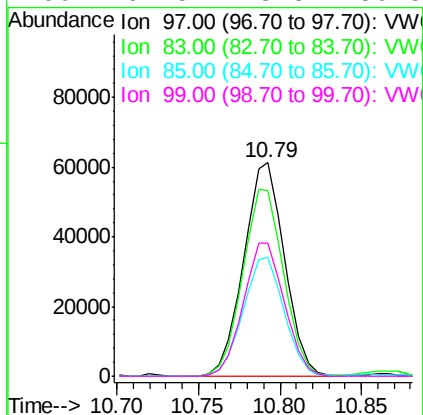
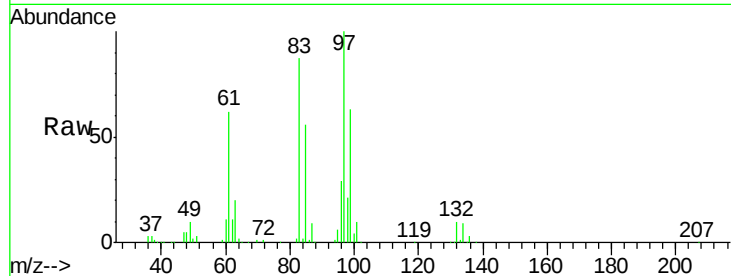




#46
 1,1,2-Trichloroethane
 Concen: 27.956 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

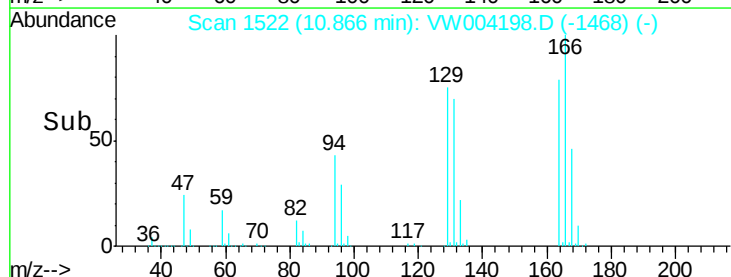
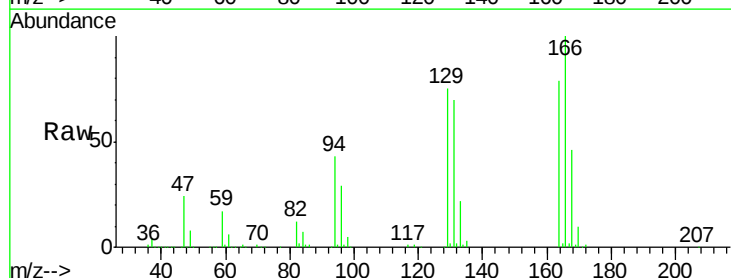
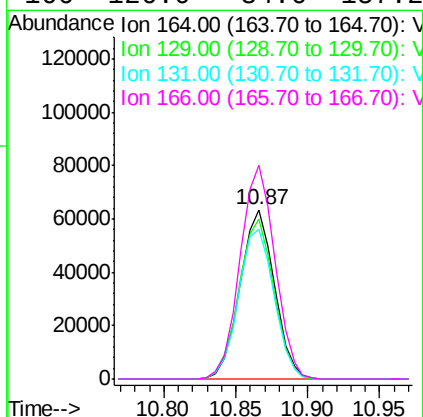
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

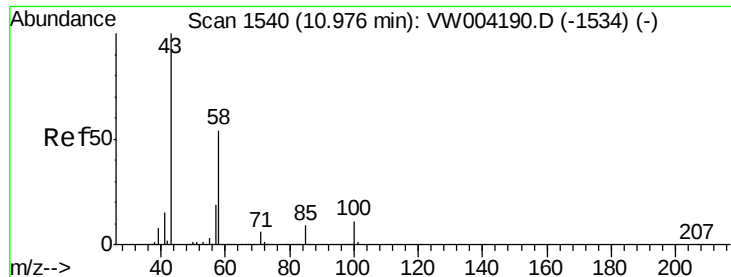
Tgt Ion: 97 Resp: 106480
 Ion Ratio Lower Upper
 97 100
 83 86.6 59.4 110.4
 85 56.0 40.0 74.2
 99 62.5 43.3 80.5



#47
 Tetrachloroethene
 Concen: 26.854 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion: 164 Resp: 104760
 Ion Ratio Lower Upper
 164 100
 129 94.3 63.1 117.3
 131 88.6 62.8 116.6
 166 126.0 84.6 157.2

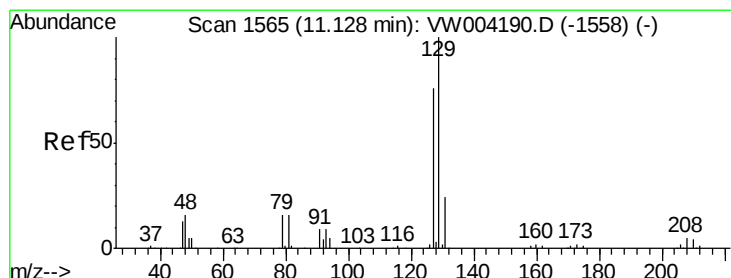
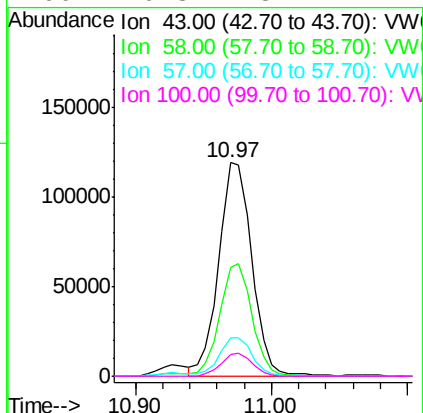
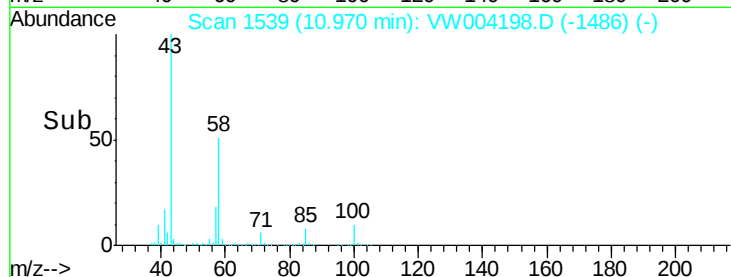
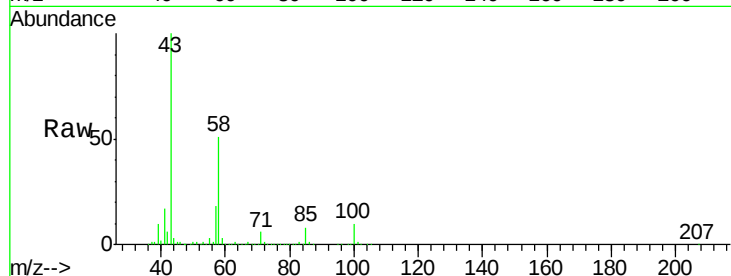




#49
2-Hexanone
Concen: 60.458 ug/L
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

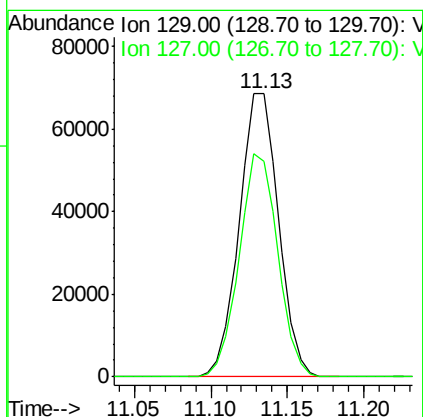
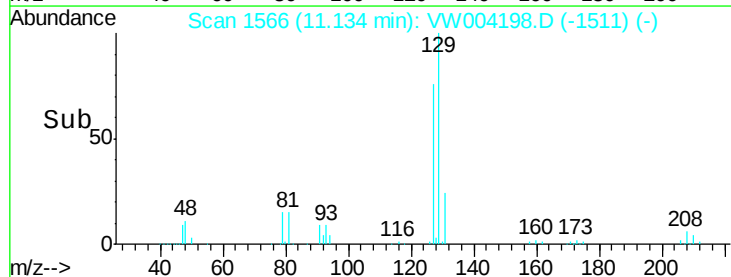
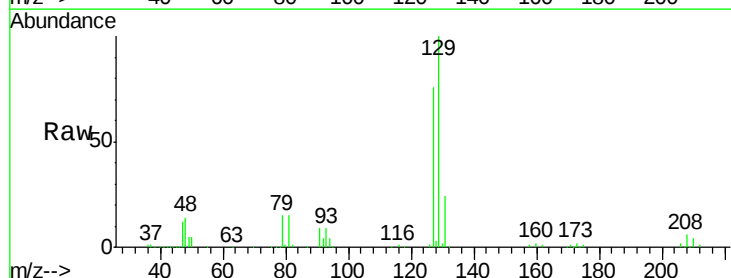
Instrument :
MSVOA_W
ClientSampled :
VSTD02584

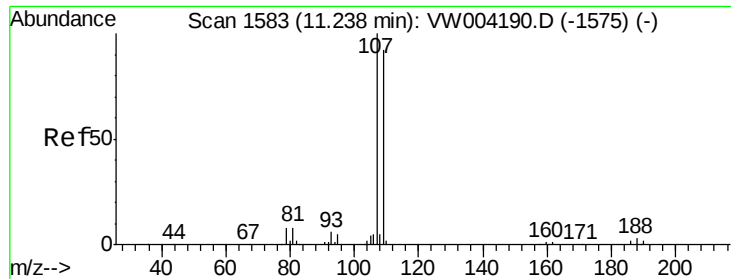
Tgt Ion: 43 Resp: 201656
Ion Ratio Lower Upper
43 100
58 51.4 40.4 60.6
57 17.9 14.0 21.0
100 10.3 8.2 12.2



#50
Dibromochloromethane
Concen: 28.737 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion: 129 Resp: 122616
Ion Ratio Lower Upper
129 100
127 76.0 56.1 104.3

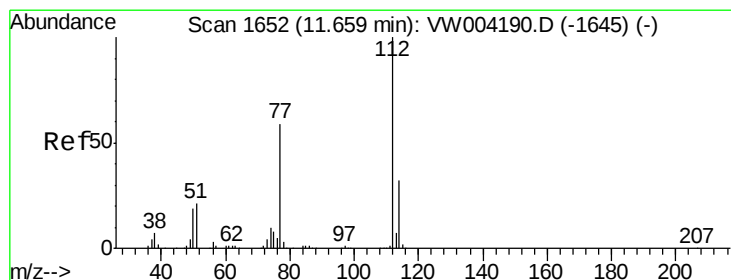
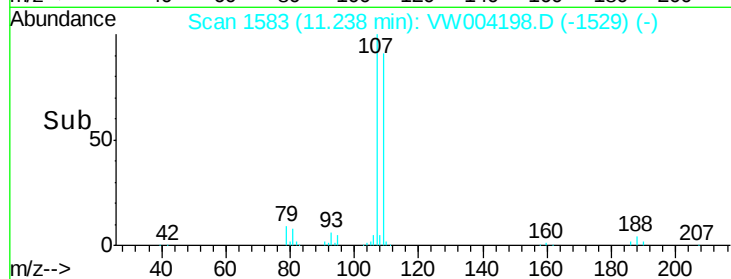
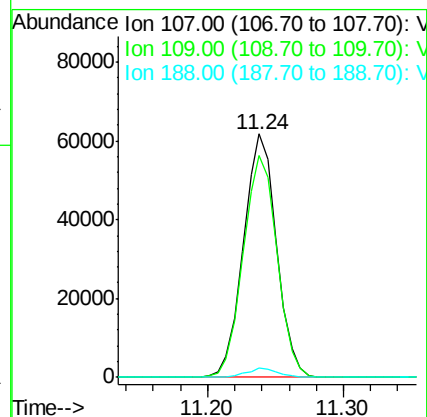
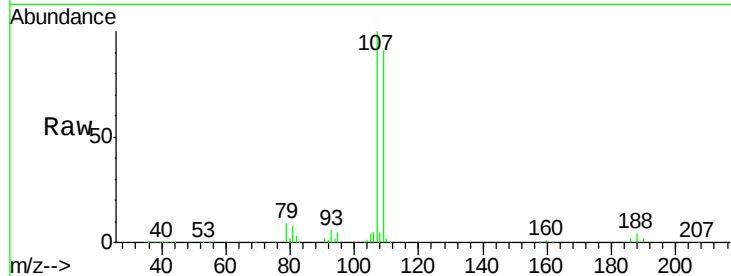




#51
1,2-Dibromoethane
Concen: 28.122 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

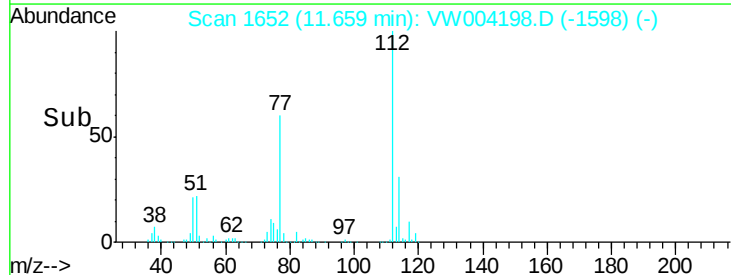
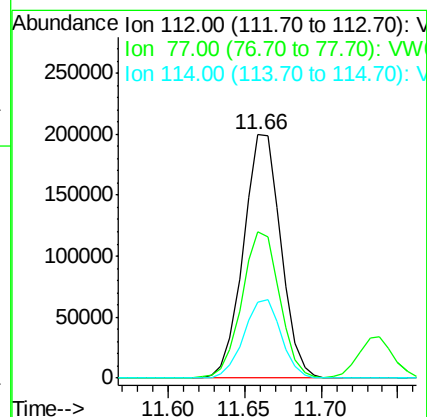
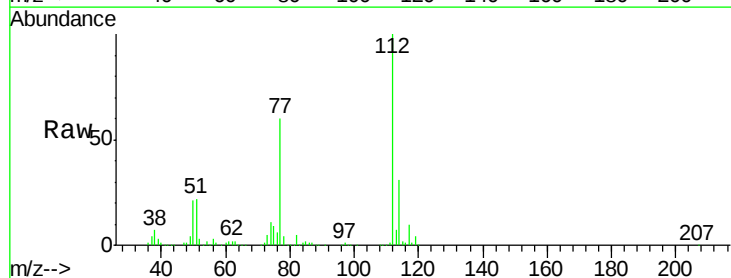
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

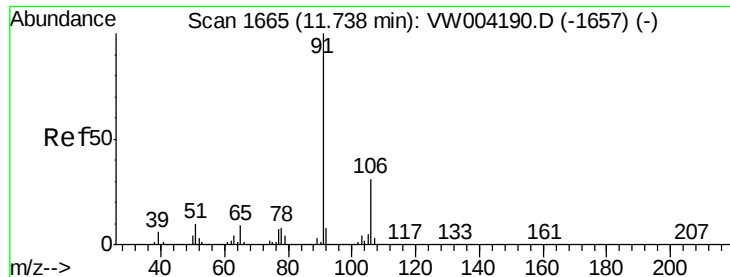
Tgt Ion:107 Resp: 104615
Ion Ratio Lower Upper
107 100
109 91.2 65.2 121.0
188 3.8 2.9 4.3



#52
Chlorobenzene
Concen: 27.923 ug/L
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion:112 Resp: 339151
Ion Ratio Lower Upper
112 100
77 59.9 47.7 71.5
114 31.3 22.2 41.2





#53

Ethylbenzene

Concen: 29.154 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

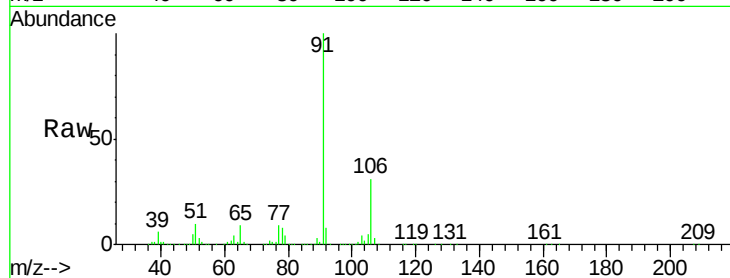
VSTD02584

Tgt Ion: 91 Resp: 597830

Ion Ratio Lower Upper

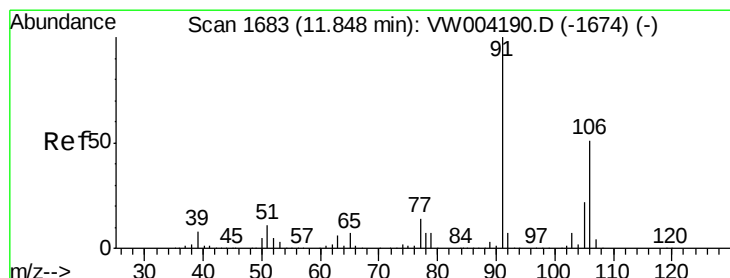
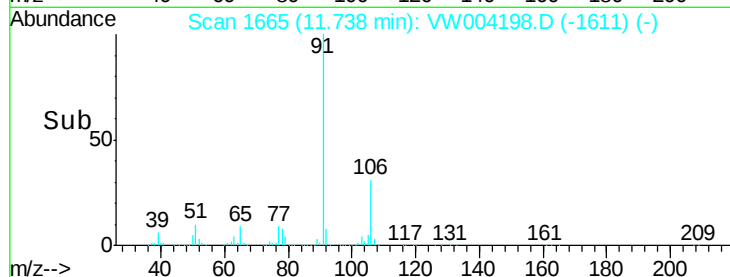
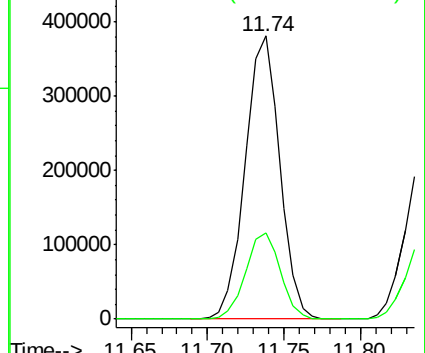
91 100

106 30.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 29.856 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004198.D

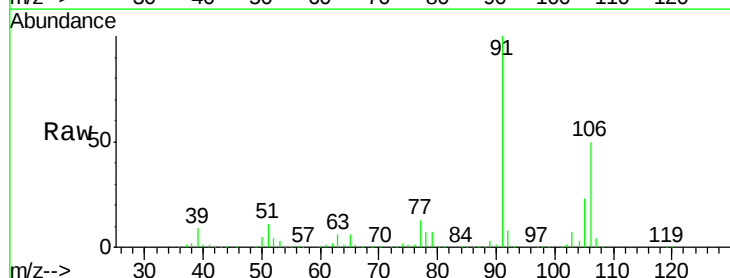
Acq: 25 Jul 2018 14:56

Tgt Ion: 106 Resp: 225639

Ion Ratio Lower Upper

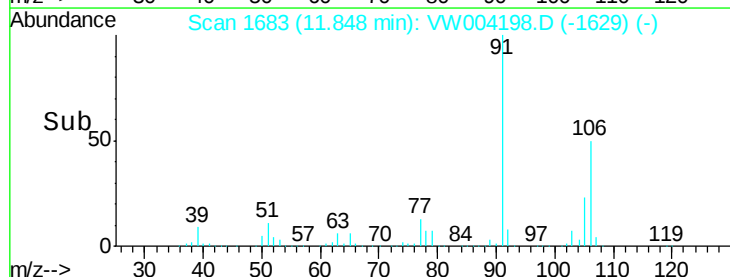
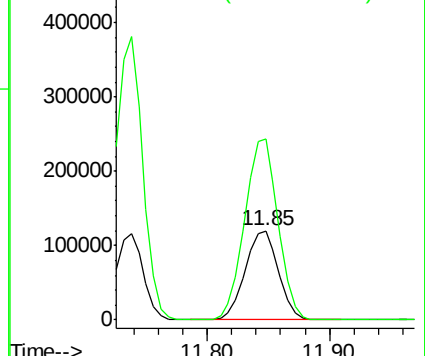
106 100

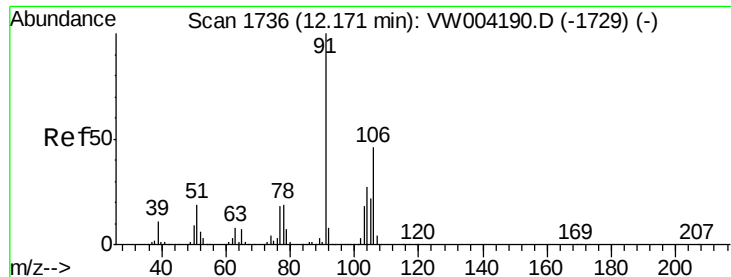
91 201.9 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

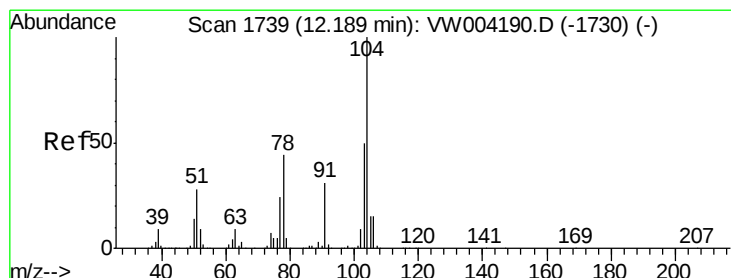
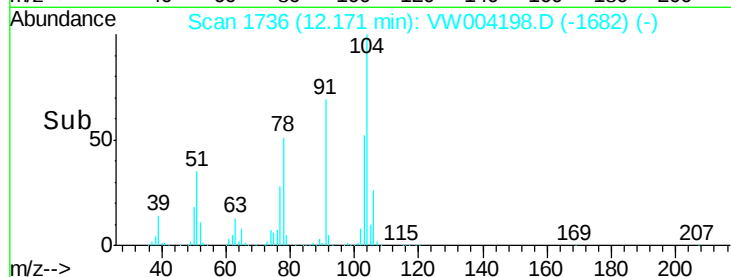
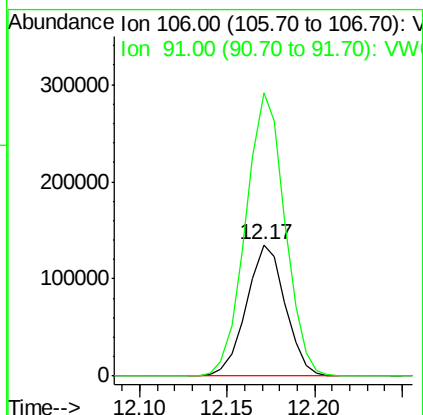
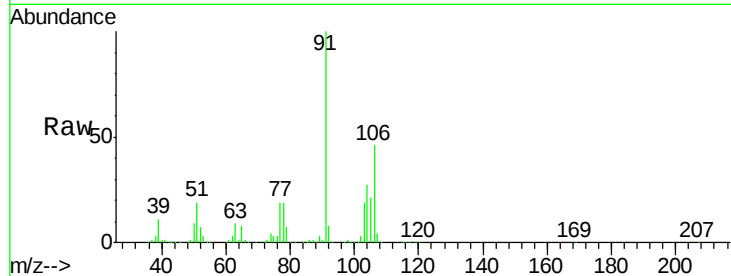




#55
o-xylene
Concen: 28.942 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

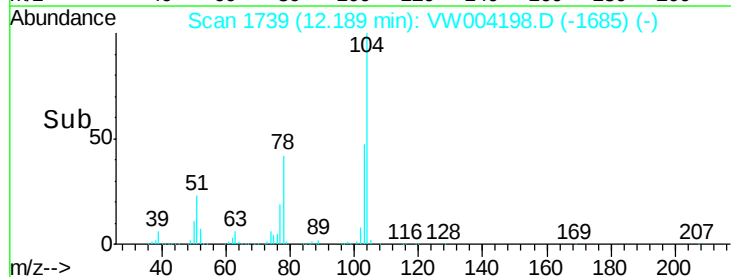
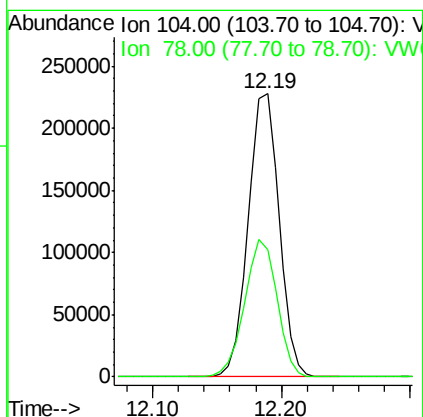
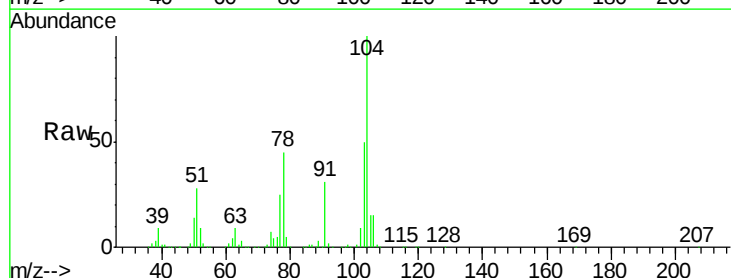
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

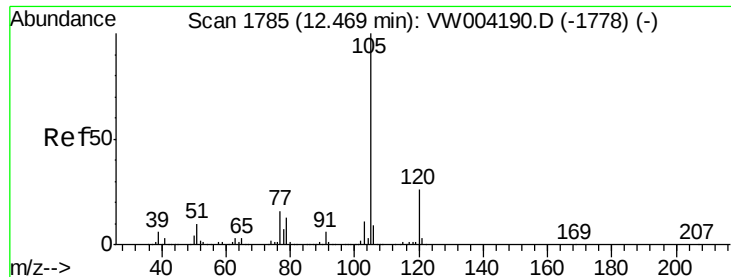
Tgt Ion:106 Resp: 209216
Ion Ratio Lower Upper
106 100
91 215.3 151.3 280.9



#56
Styrene
Concen: 30.204 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004198.D
Acq: 25 Jul 2018 14:56

Tgt Ion:104 Resp: 377190
Ion Ratio Lower Upper
104 100
78 44.9 32.2 59.8





#57

Isopropylbenzene

Concen: 29.371 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

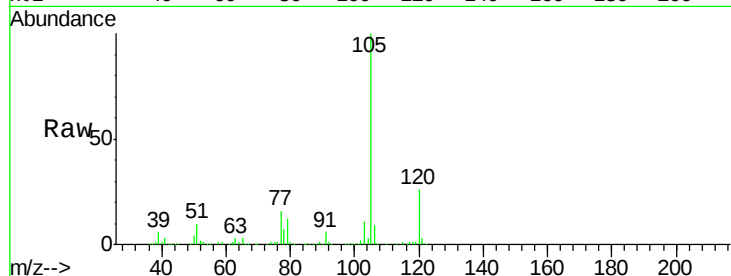
Tgt Ion: 105 Resp: 582114

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

77 15.9 13.1 19.7

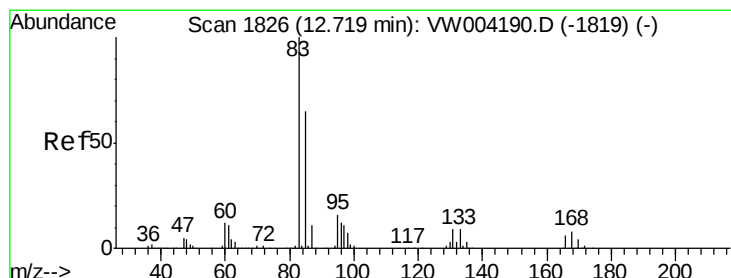
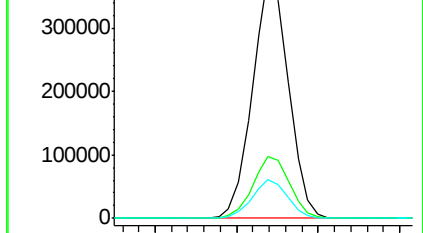
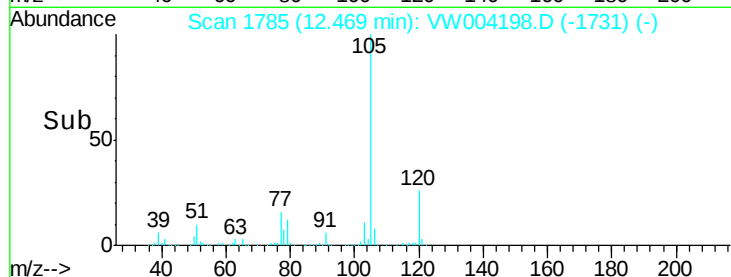


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 28.295 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

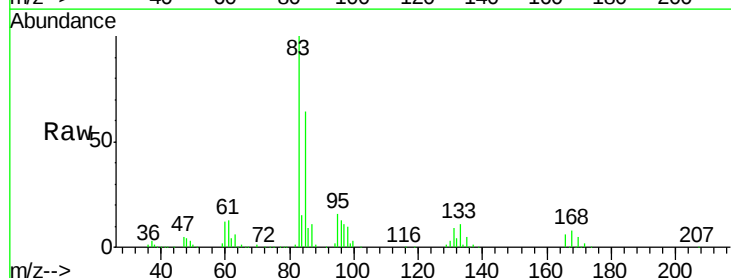
Tgt Ion: 83 Resp: 154043

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

131 9.3 7.8 11.6

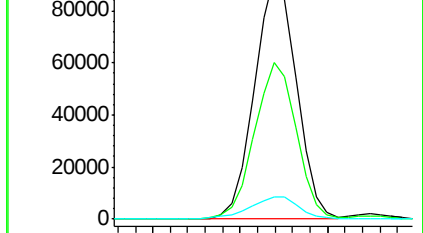
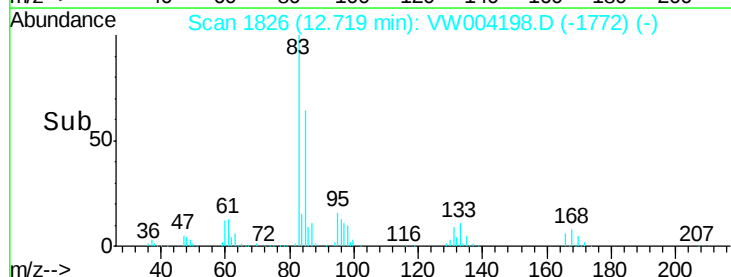


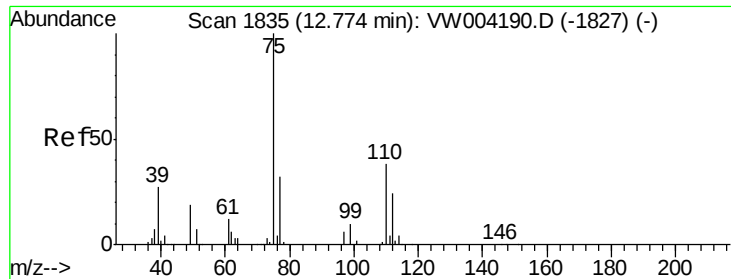
Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 28.201 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

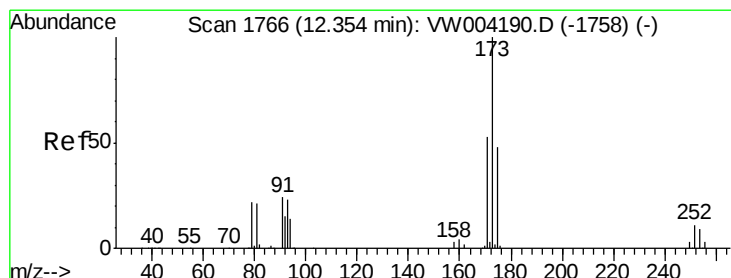
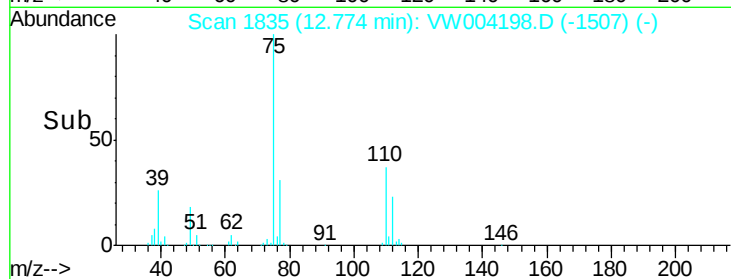
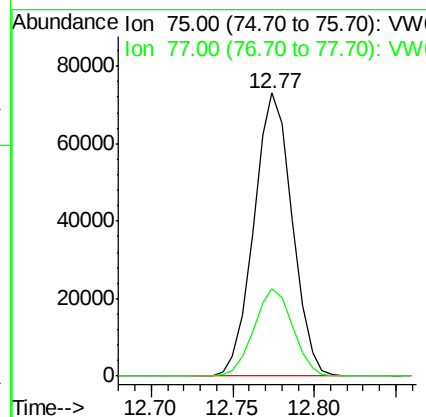
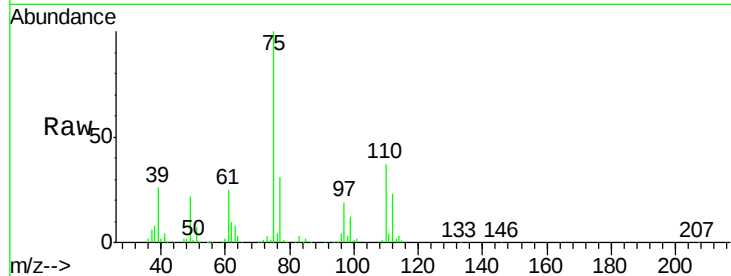
VSTD02584

Tgt Ion: 75 Resp: 118848

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



#62

Bromoform

Concen: 27.636 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

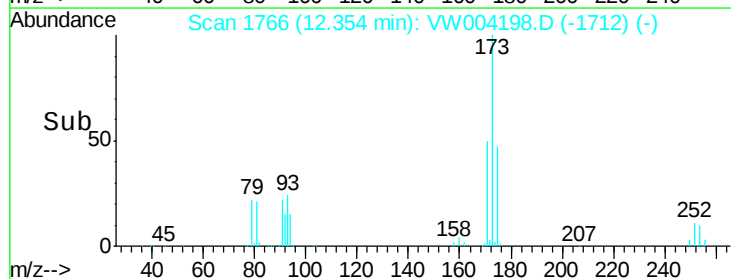
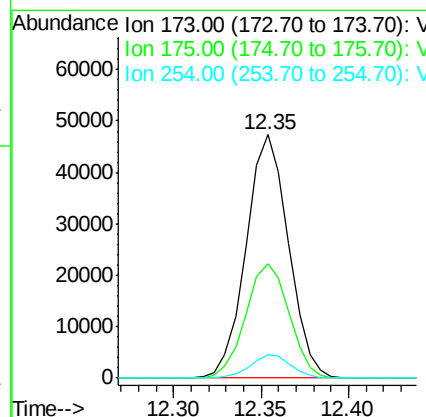
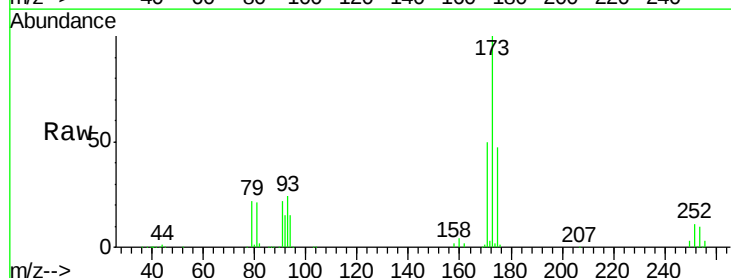
Tgt Ion: 173 Resp: 79588

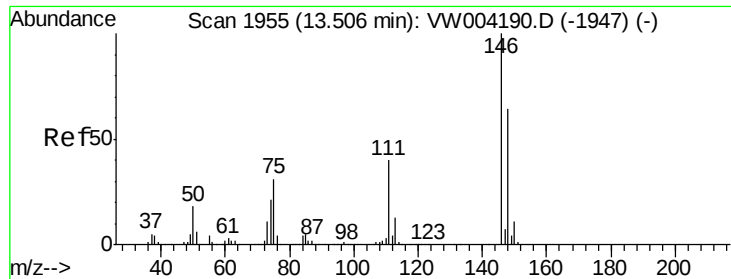
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.0

254 9.4 7.4 11.2

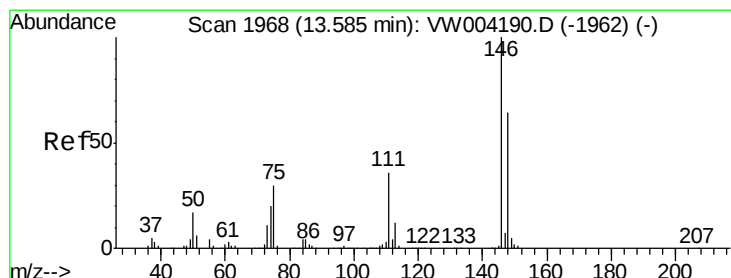
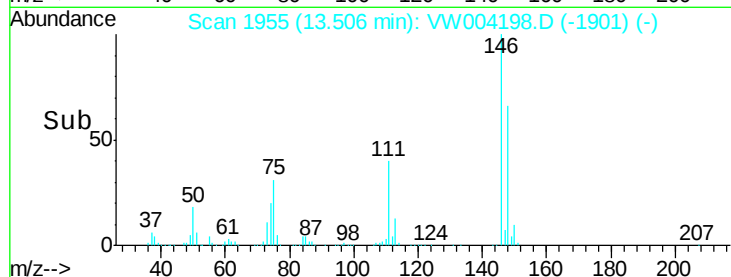
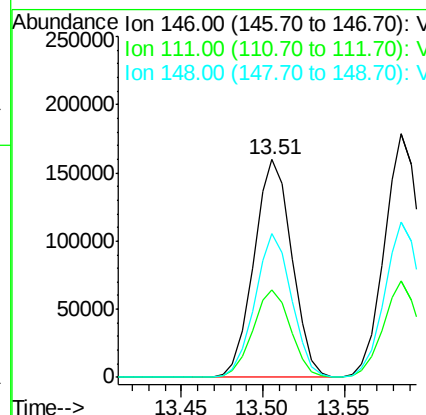
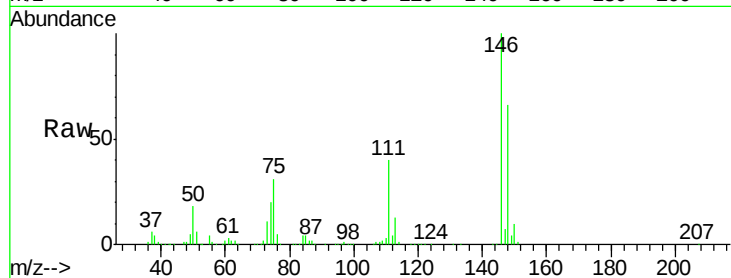




#63
 1,3-Dichlorobenzene
 Concen: 27.537 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

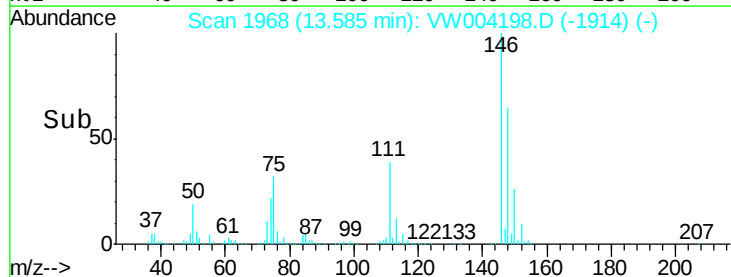
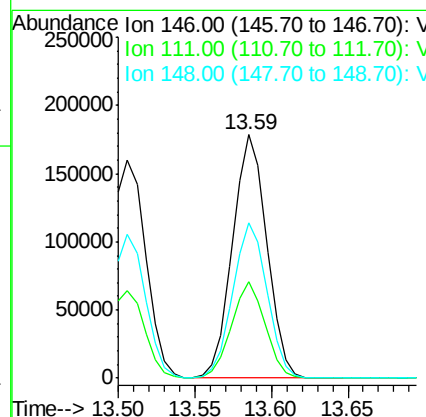
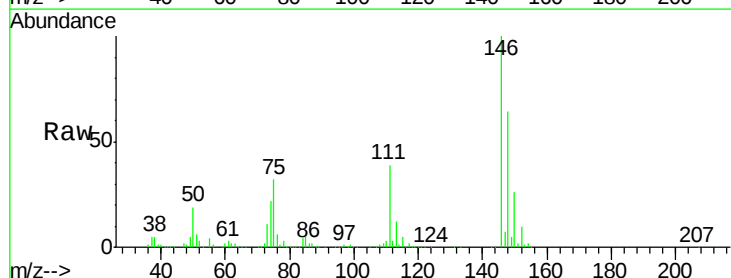
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

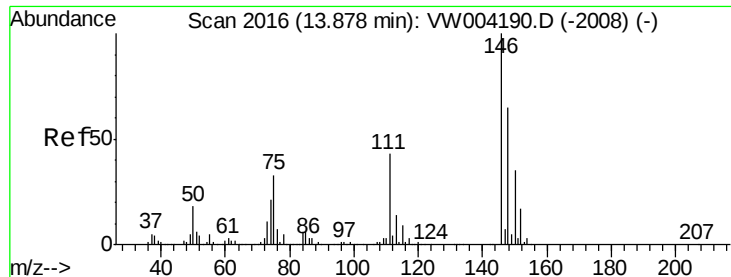
Tgt Ion:146 Resp: 258810
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.7
 148 65.8 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 27.462 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion:146 Resp: 276754
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.8 49.8
 148 63.6 44.3 82.3

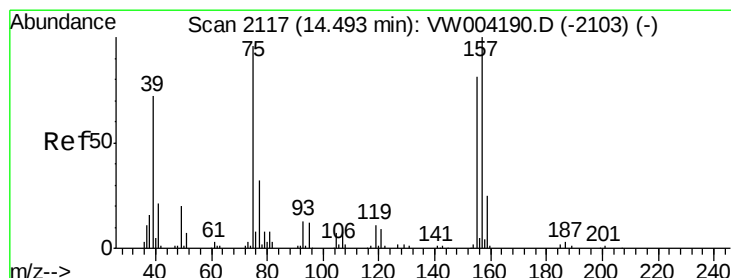
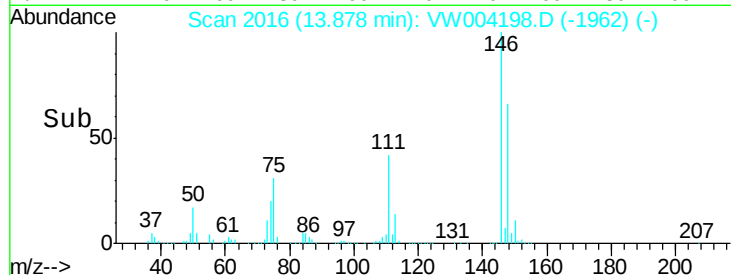
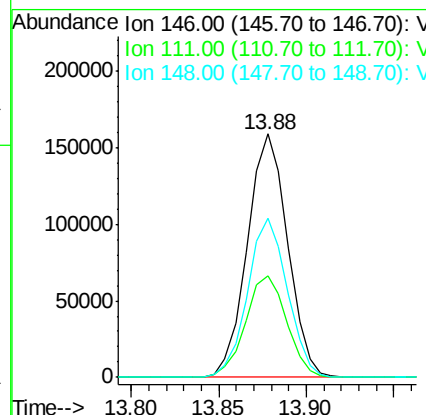
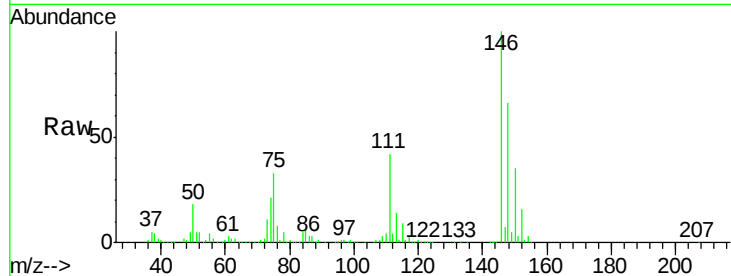




#65
 1,2-Dichlorobenzene
 Concen: 27.796 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

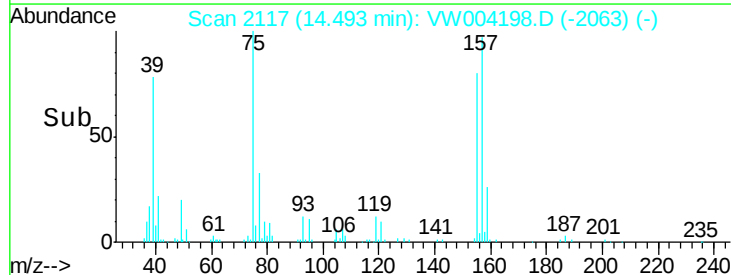
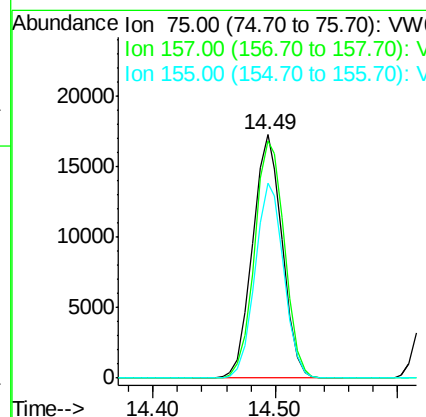
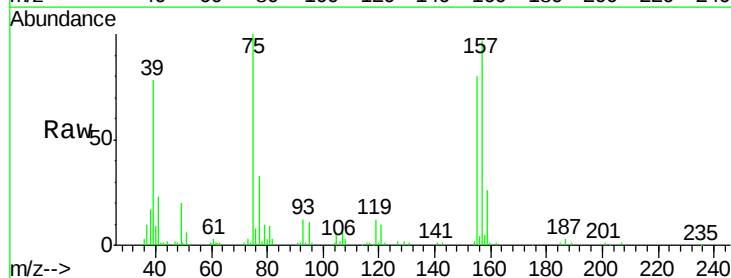
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

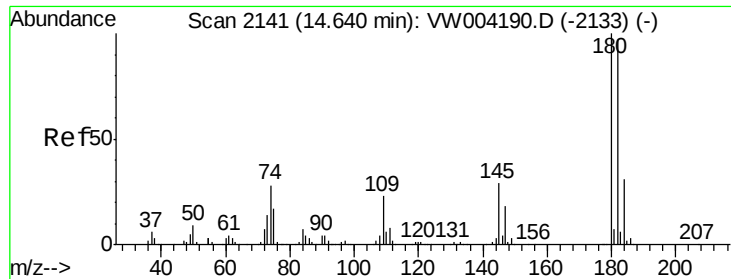
Tgt Ion: 146 Resp: 254591
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.2 49.8
 148 65.6 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.139 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion: 75 Resp: 28980
 Ion Ratio Lower Upper
 75 100
 157 97.3 77.9 116.9
 155 79.9 61.8 92.8

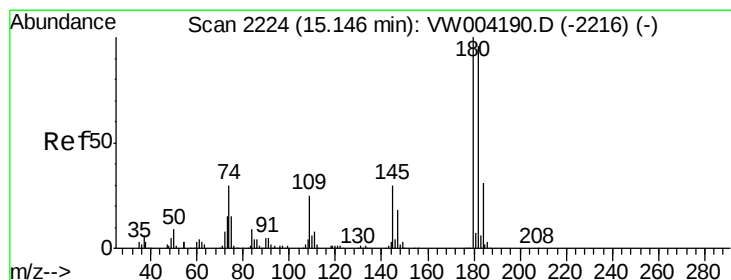
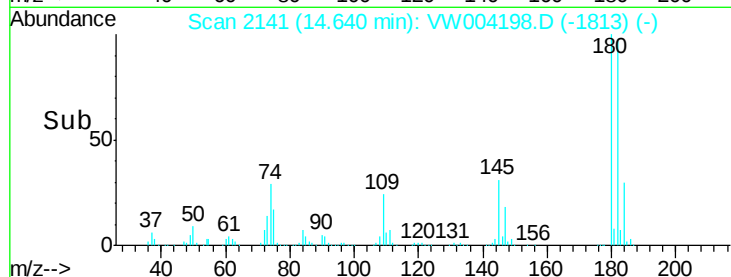
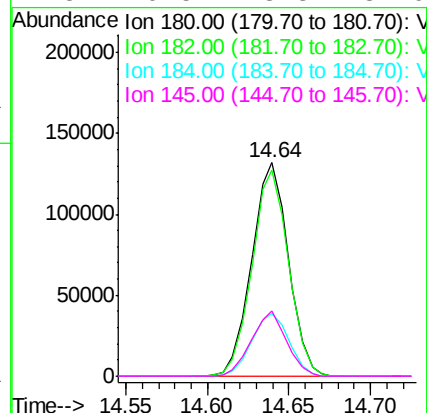
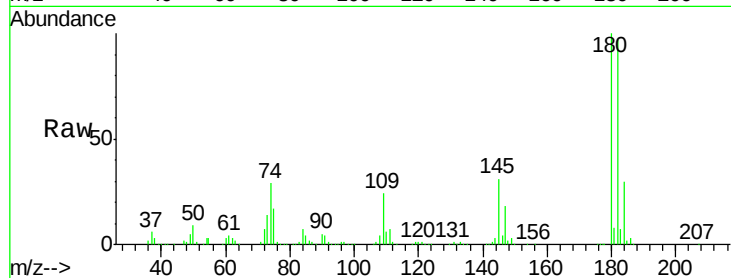




#67
 1,3,5-Trichlorobenzene
 Concen: 27.668 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

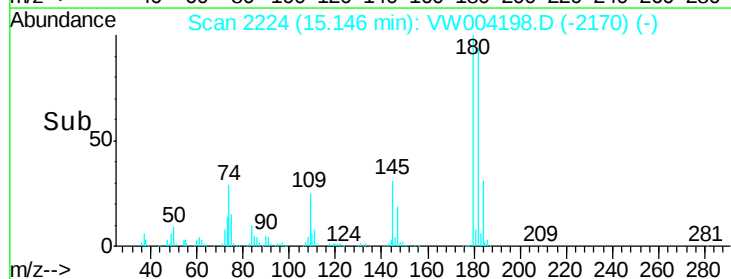
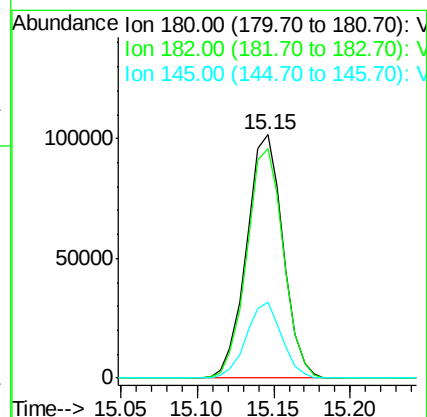
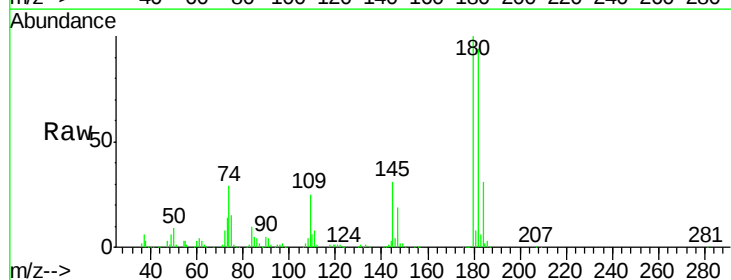
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

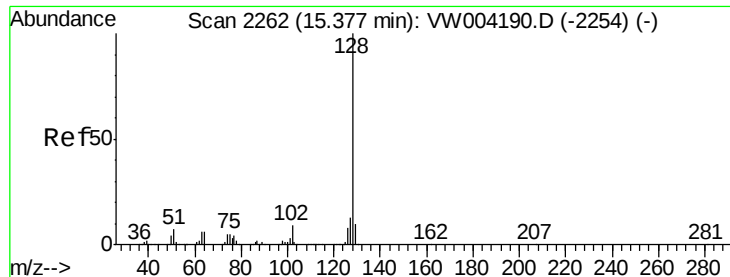
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.5	113.3
184	30.1	24.0	36.0
145	29.5	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 28.187 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004198.D
 Acq: 25 Jul 2018 14:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.8	116.6
145	30.4	24.4	36.6





#69

Naphthalene

Concen: 30.391 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

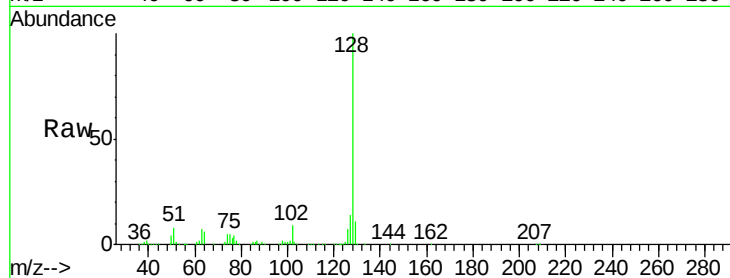
Tgt Ion:128 Resp: 407833

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

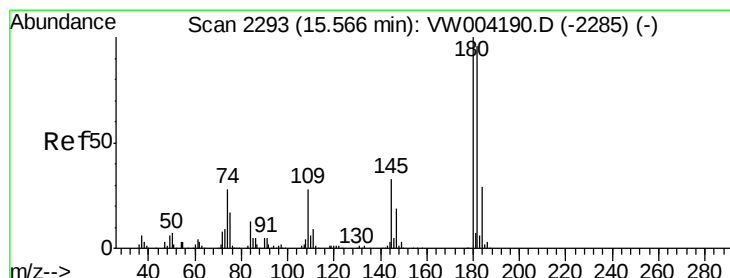
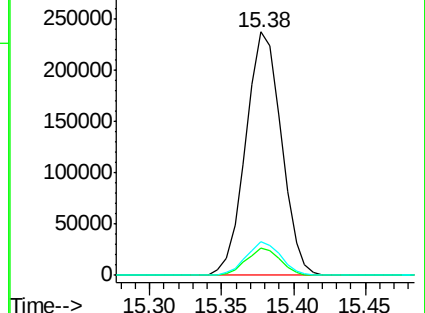
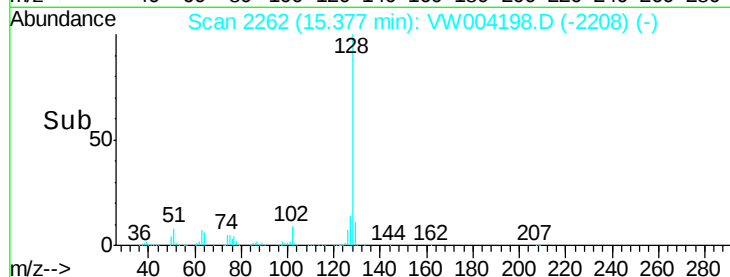
127 13.4 10.9 16.3



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: 29.964 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004198.D

Acq: 25 Jul 2018 14:56

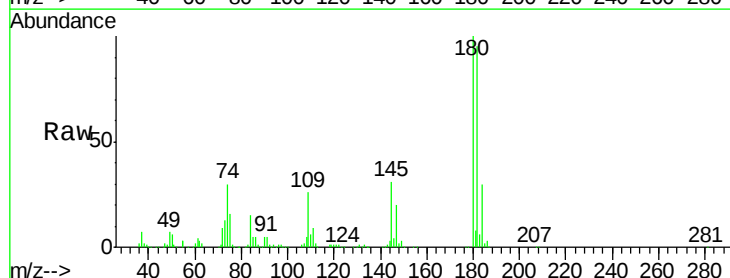
Tgt Ion:180 Resp: 169918

Ion Ratio Lower Upper

180 100

182 94.6 76.6 115.0

145 31.4 25.3 37.9



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

