

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
 Data File : VW004065.D
 Acq On : 20 Jul 2018 05:35
 Operator : VA/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Quant Time: Jul 20 08:33:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 07:22:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	298354	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	273860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	137649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	63456	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.00%
7) Chloroethane-d5	2.89	69	47919	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
10) 1,1-Dichloroethene-d2	4.01	63	167111	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.40%
20) 2-Butanone-d5	7.08	46	87456	50.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.08%
24) Chloroform-d	7.65	84	169873	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	8.31	65	98005	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	8.28	84	303464	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
33) 1,2-Dichloropropane-d6	9.28	67	101565	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.88%
37) Toluene-d8	10.33	98	274430	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.16%
38) trans-1,3-Dichloropropene-	10.58	79	42749	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.84%
39) 2-Hexanone-d5	10.93	63	61973	54.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.68%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	117588	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	106424	24.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25421	13.308	ug/L	# 88
3) Chloromethane	2.21	50	68142	22.313	ug/L	96
5) Vinyl chloride	2.36	62	107739	23.429	ug/L	100
6) Bromomethane	2.78	94	53774	22.028	ug/L	100
8) Chloroethane	2.93	64	55669	23.092	ug/L	93
9) Trichlorofluoromethane	3.26	101	60721	26.503	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	109958	26.989	ug/L	97
12) 1,1-Dichloroethene	4.03	96	100615	25.334	ug/L	92
13) Acetone	4.12	43	72770	38.678	ug/L	100
14) Carbon disulfide	4.37	76	322721	25.118	ug/L	100
15) Methyl Acetate	4.67	43	80058	24.943	ug/L	100
16) Methylene chloride	4.92	84	108320	18.925	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	194710	25.350	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	105577	25.821	ug/L	98
19) 1,1-Dichloroethane	6.21	63	201087	25.850	ug/L	99
21) 2-Butanone	7.17	43	102533	43.922	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	112508	25.744	ug/L	94

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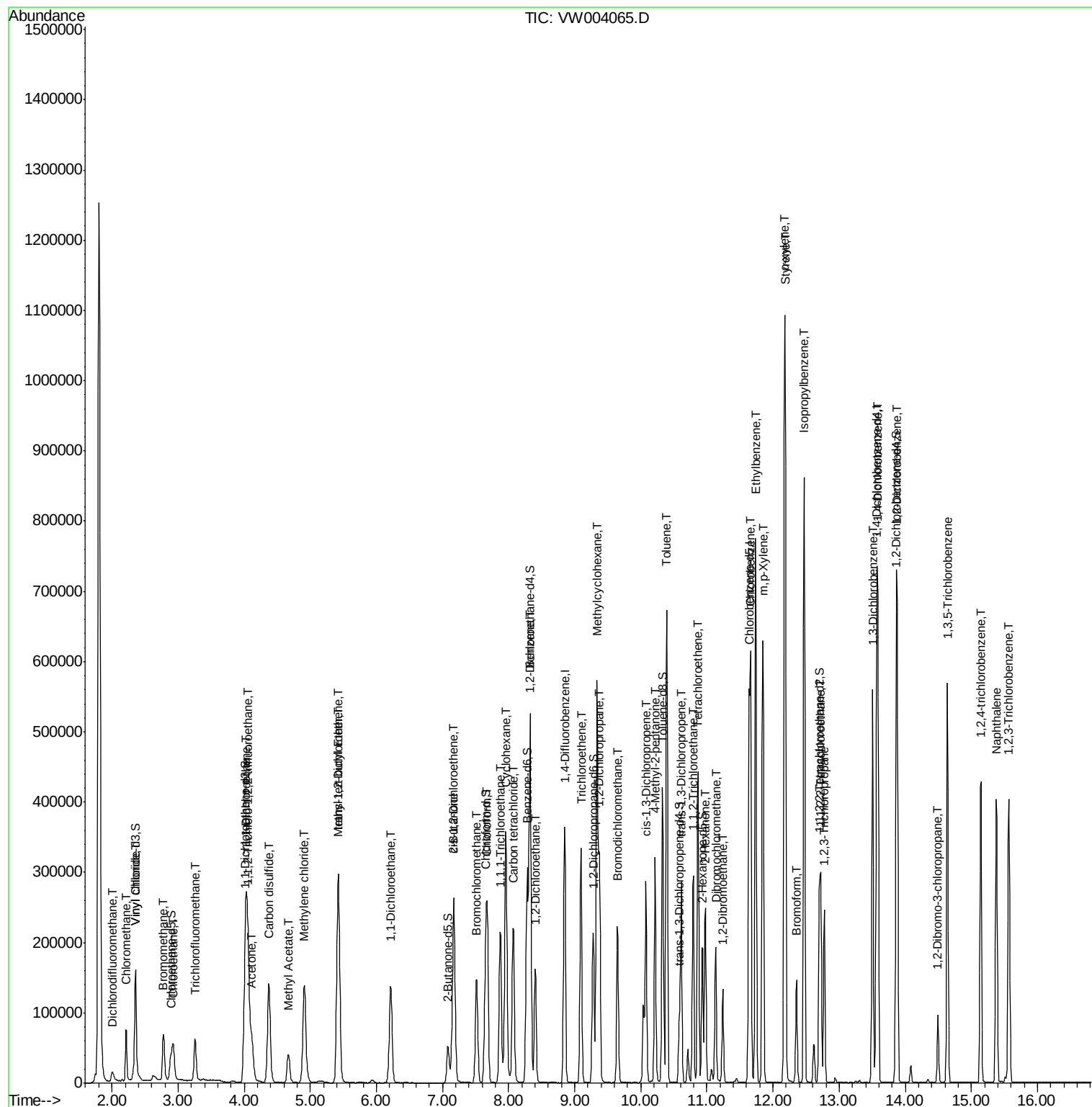
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	51297	24.963	ug/L	98
25) Chloroform	7.68	83	201786	25.402	ug/L	99
27) 1,2-Dichloroethane	8.40	62	146783	25.071	ug/L	98
30) Cyclohexane	7.96	56	193706	29.001	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	170688	27.405	ug/L	99
32) Carbon tetrachloride	8.07	117	165753	27.584	ug/L	100
34) Benzene	8.33	78	448348	26.708	ug/L	100
35) Trichloroethene	9.09	95	117983	26.268	ug/L	99
36) Methylcyclohexane	9.34	83	219215	29.530	ug/L	100
40) 1,2-Dichloropropane	9.37	63	119663	26.295	ug/L	100
41) Bromodichloromethane	9.65	83	144694	25.824	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	159778	24.917	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	210280	52.562	ug/L	100
44) Toluene	10.39	91	482267	27.416	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	149079	25.205	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89635	25.343	ug/L	97
47) Tetrachloroethene	10.87	164	97836	27.008	ug/L	97
49) 2-Hexanone	10.98	43	157847	50.964	ug/L	99
50) Dibromochloromethane	11.13	129	101807	25.695	ug/L	98
51) 1,2-Dibromoethane	11.24	107	86904	25.158	ug/L	96
52) Chlorobenzene	11.66	112	293696	26.040	ug/L	98
53) Ethylbenzene	11.74	91	526042	27.626	ug/L	98
54) m,p-Xylene	11.85	106	201240	28.675	ug/L	100
55) o-xylene	12.17	106	189758	28.269	ug/L	97
56) Styrene	12.19	104	326344	28.143	ug/L	99
57) Isopropylbenzene	12.47	105	535176	29.079	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	128415	25.402	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100901	25.784	ug/L	100
62) Bromoform	12.35	173	68267	26.280	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	220116	25.963	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	232093	25.532	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	213134	25.797	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	24008	24.925	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	176703	26.358	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	138674	25.794	ug/L	98
69) Naphthalene	15.38	128	338023	27.925	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	138243	27.026	ug/L	100

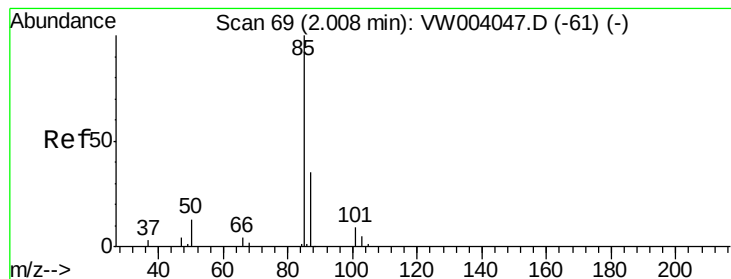
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.308 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

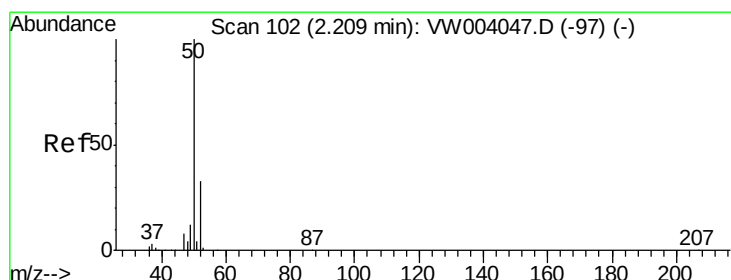
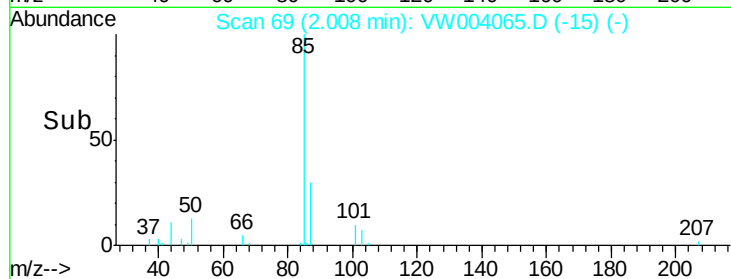
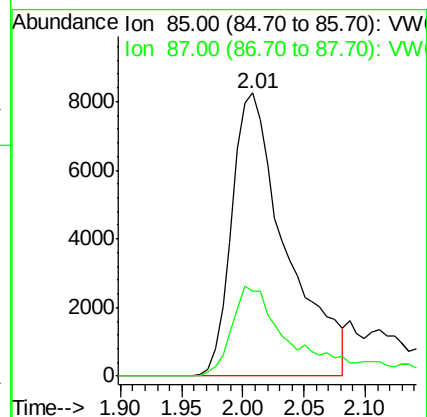
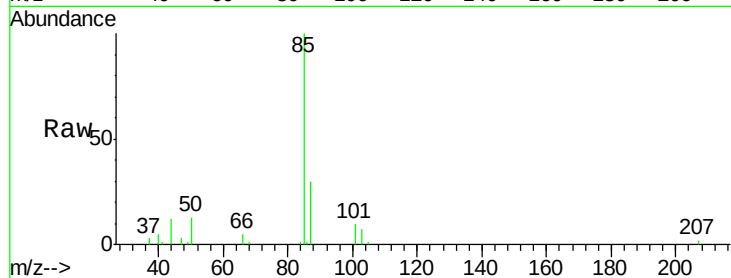
VSTD02591

Tgt Ion: 85 Resp: 25421

Ion Ratio Lower Upper

85 100

87 29.2 0.1 0.1#



#3

Chloromethane

Concen: 22.313 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004065.D

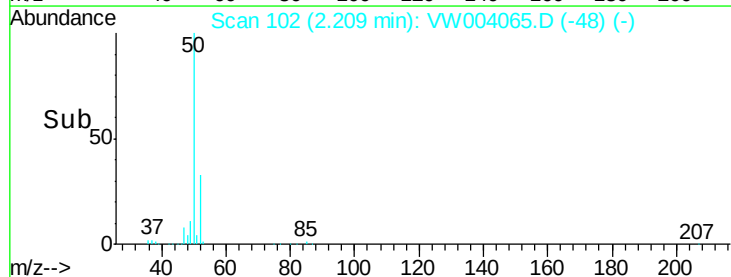
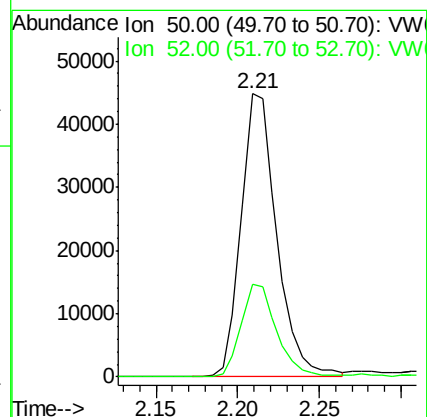
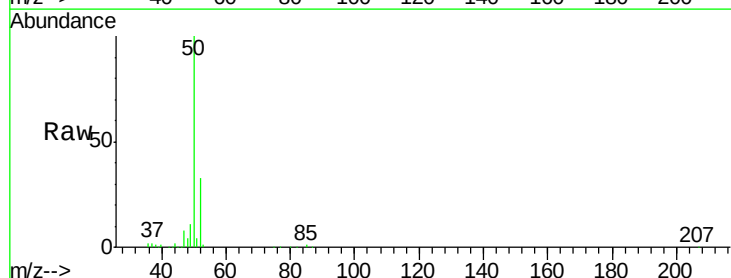
Acq: 20 Jul 2018 05:35

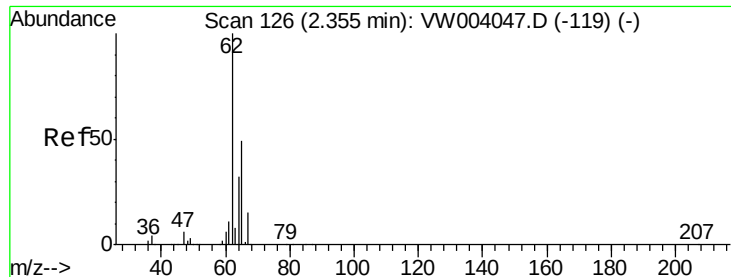
Tgt Ion: 50 Resp: 68142

Ion Ratio Lower Upper

50 100

52 32.6 21.3 39.6





#5

Vinyl chloride

Concen: 23.429 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

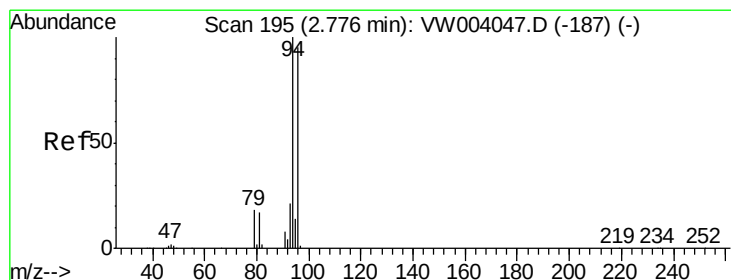
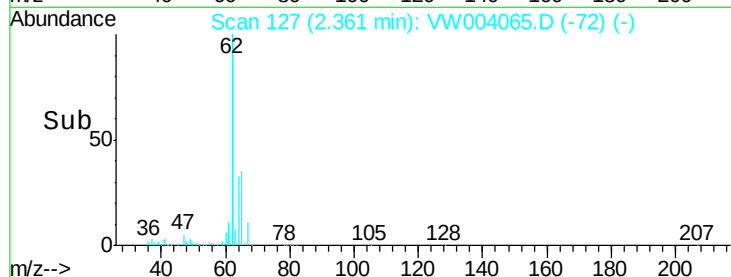
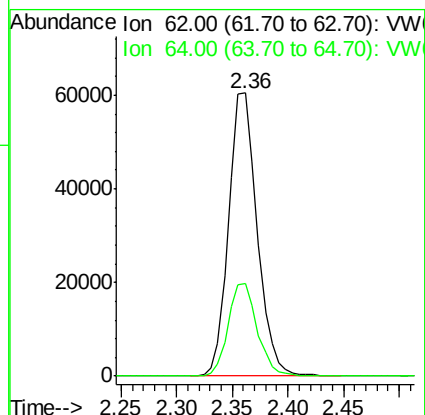
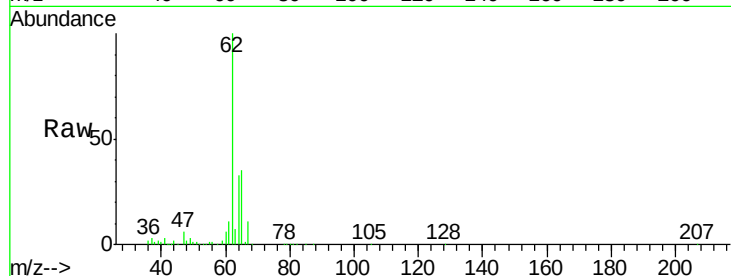
VSTD02591

Tgt Ion: 62 Resp: 107739

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 22.028 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004065.D

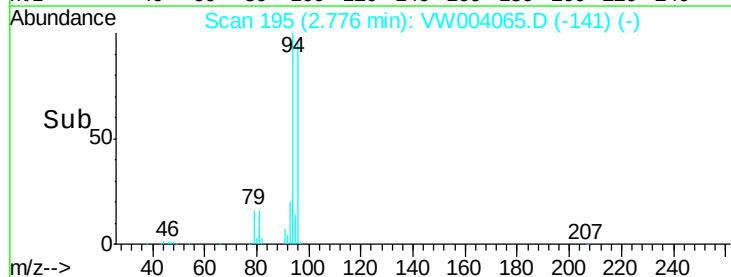
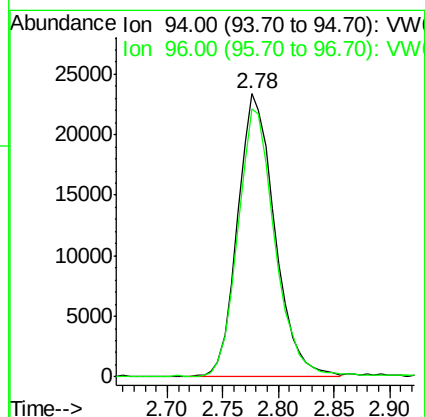
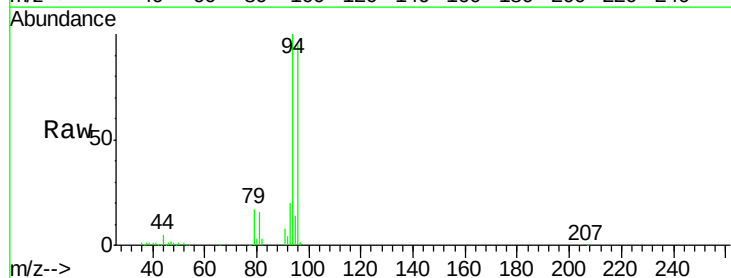
Acq: 20 Jul 2018 05:35

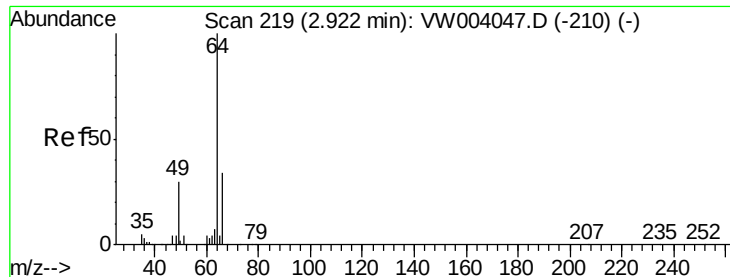
Tgt Ion: 94 Resp: 53774

Ion Ratio Lower Upper

94 100

96 94.7 9.5 179.9





#8

Chloroethane

Concen: 23.092 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

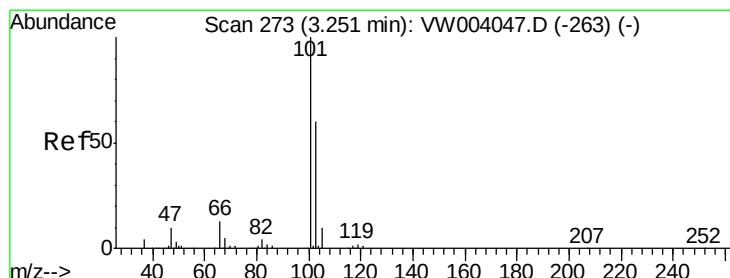
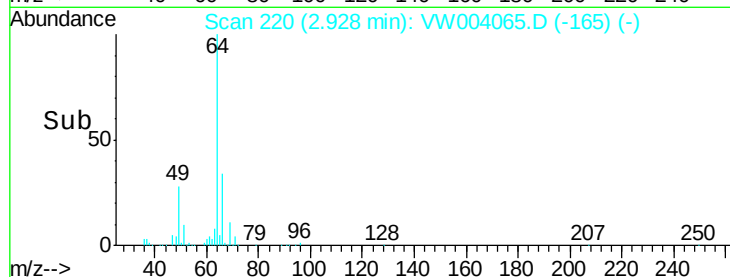
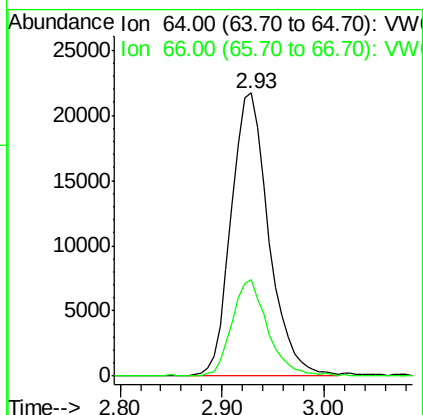
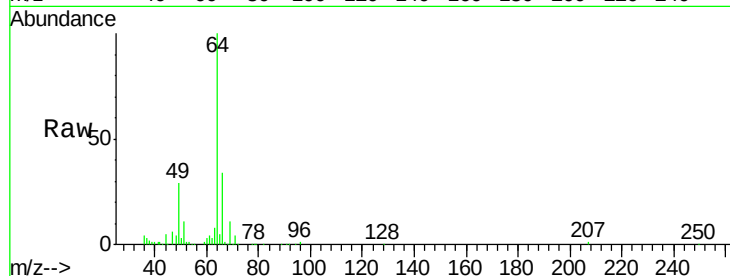
VSTD02591

Tgt Ion: 64 Resp: 55669

Ion Ratio Lower Upper

64 100

66 34.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 26.503 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004065.D

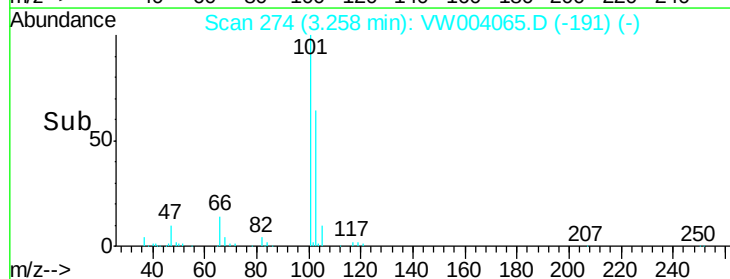
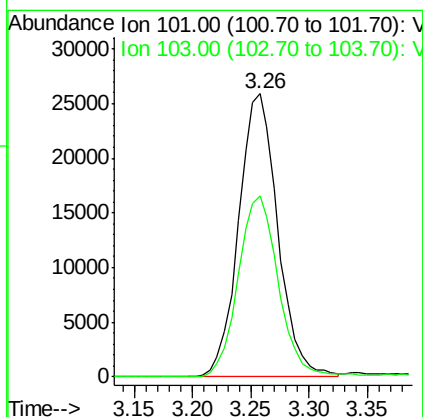
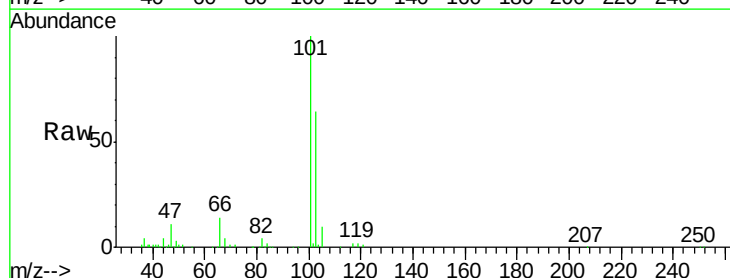
Acq: 20 Jul 2018 05:35

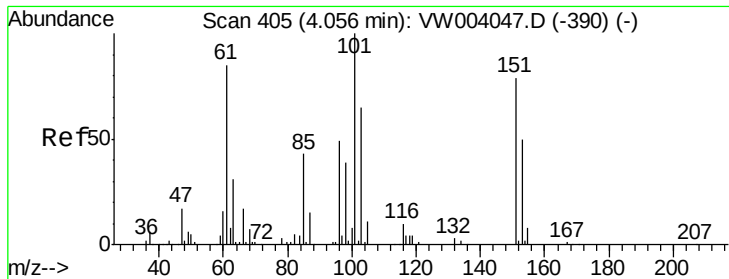
Tgt Ion: 101 Resp: 60721

Ion Ratio Lower Upper

101 100

103 66.0 45.6 84.8





#11

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

Concen: 26.989 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

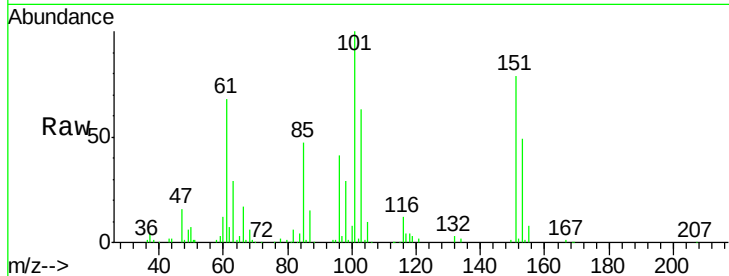
Tgt Ion: 101 Resp: 109958

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

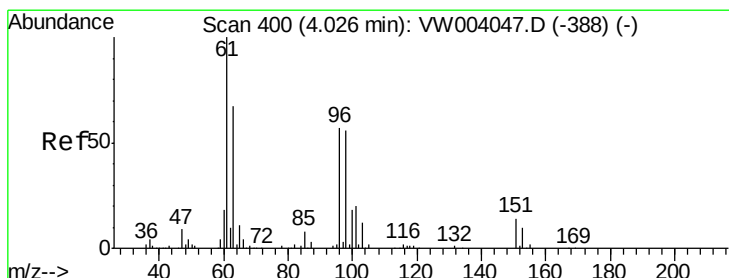
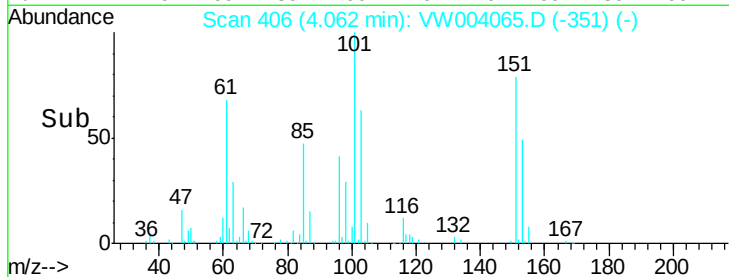
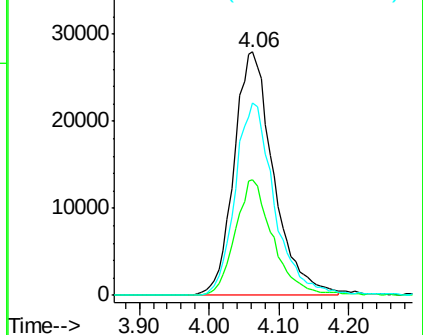
151 77.6 59.5 89.3



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: 25.334 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

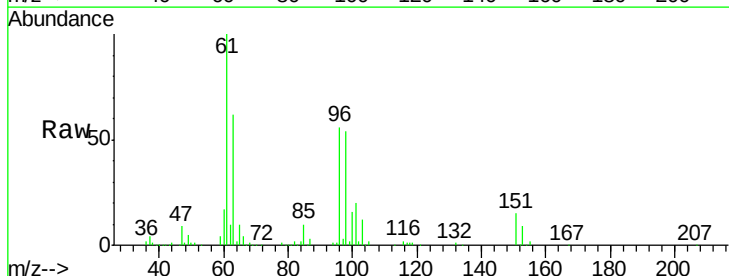
Tgt Ion: 96 Resp: 100615

Ion Ratio Lower Upper

96 100

61 177.3 127.3 236.5

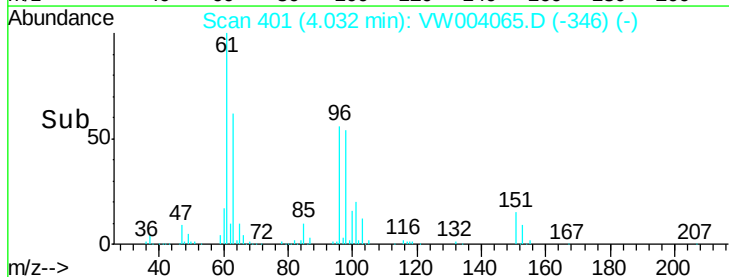
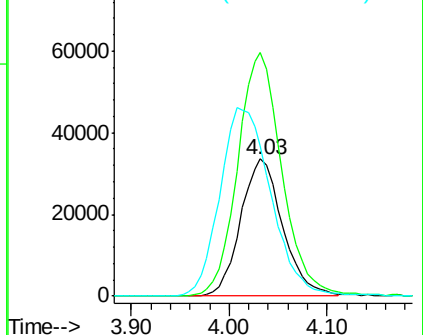
63 109.7 88.5 164.4

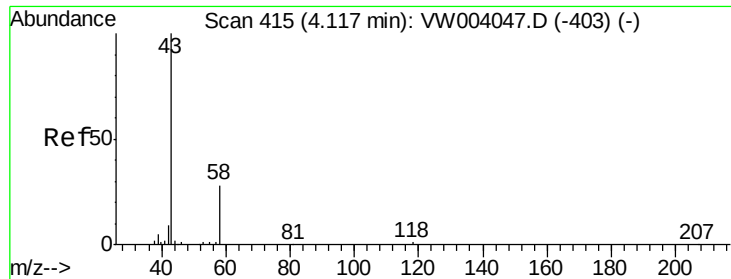


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.678 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

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Instrument :

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ClientSampled :

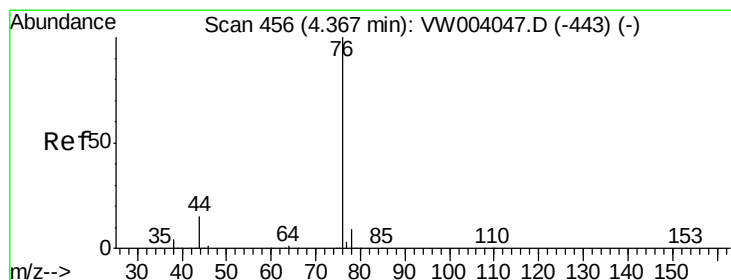
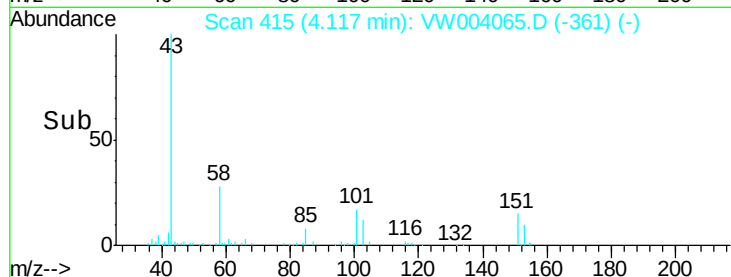
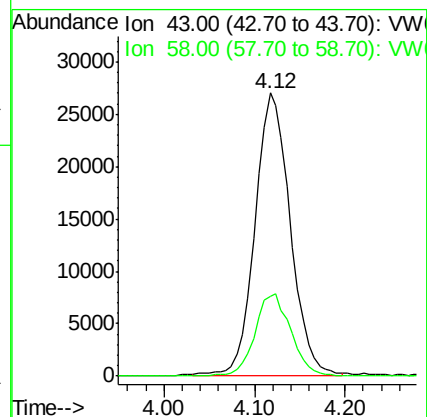
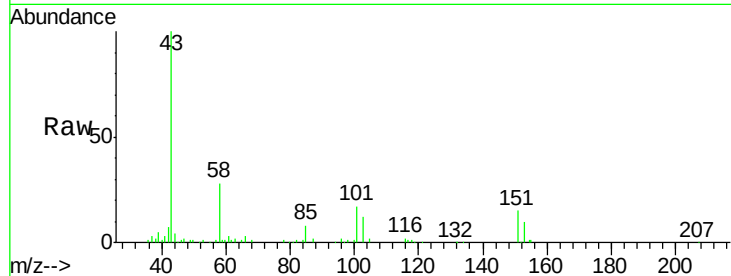
VSTD02591

Tgt Ion: 43 Resp: 72770

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.4



#14

Carbon disulfide

Concen: 25.118 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004065.D

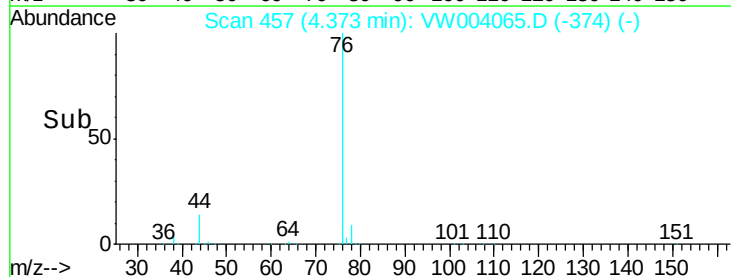
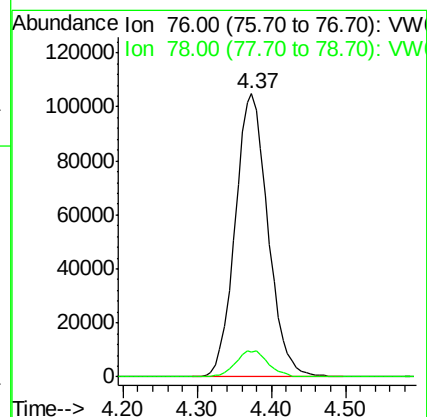
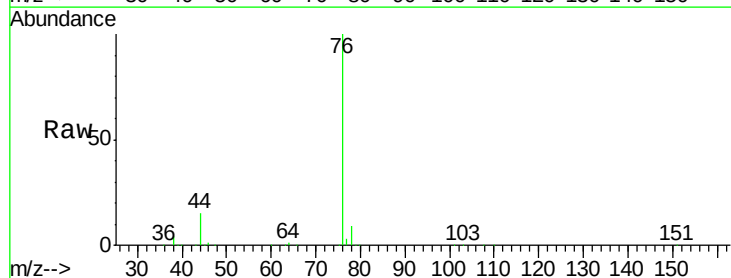
Acq: 20 Jul 2018 05:35

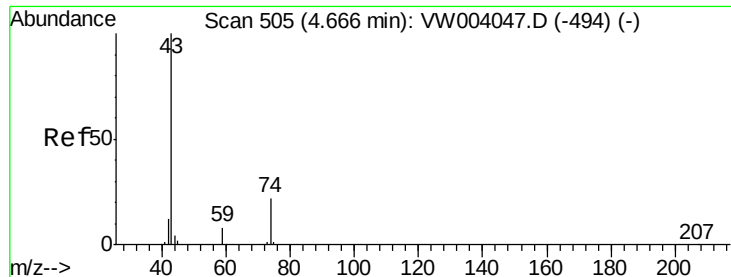
Tgt Ion: 76 Resp: 322721

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 24.943 ug/L

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

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MSVOA_W

ClientSampled :

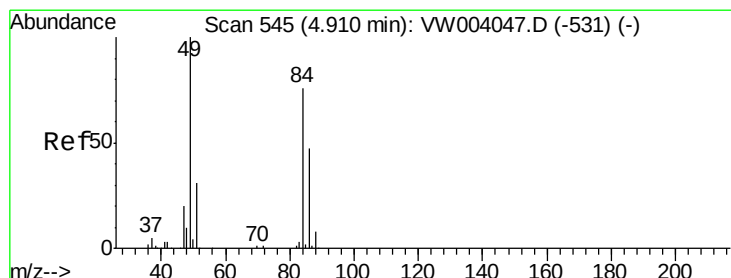
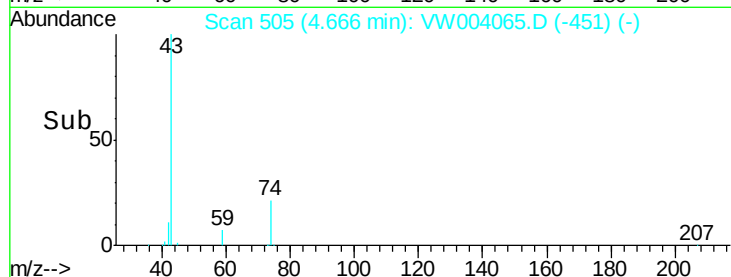
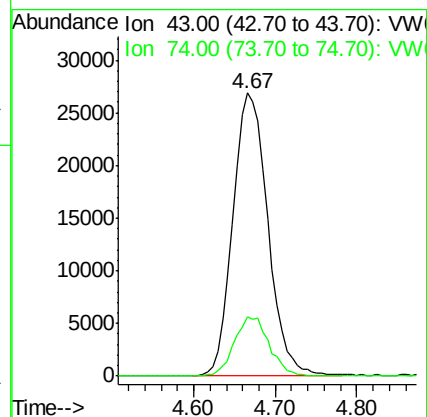
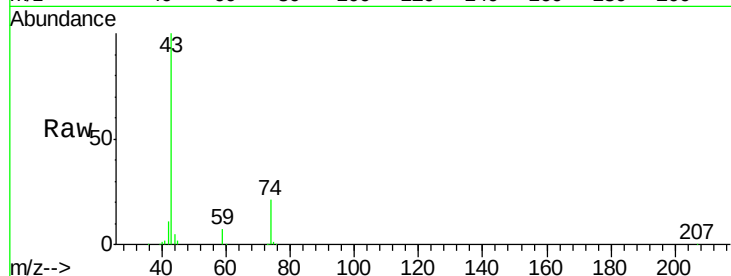
VSTD02591

Tgt Ion: 43 Resp: 80058

Ion Ratio Lower Upper

43 100

74 20.8 16.6 24.8



#16

Methylene chloride

Concen: 18.925 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

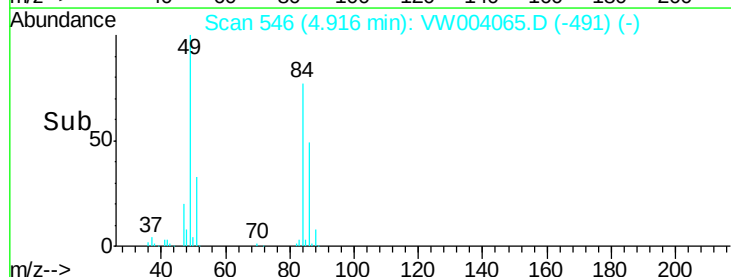
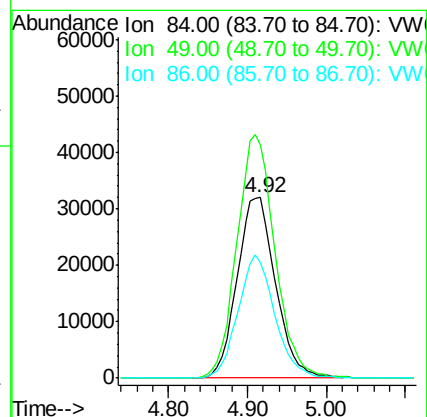
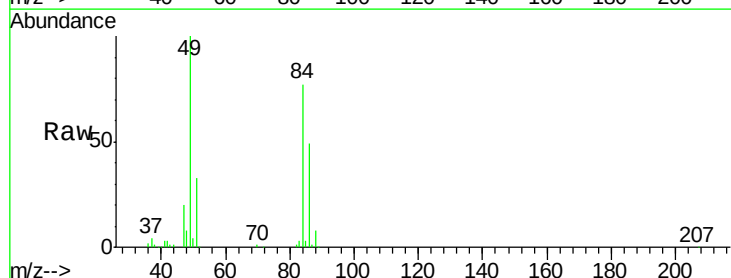
Tgt Ion: 84 Resp: 108320

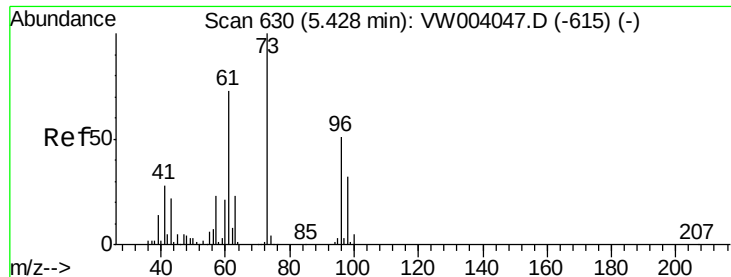
Ion Ratio Lower Upper

84 100

49 129.4 94.2 175.0

86 64.0 45.1 83.9

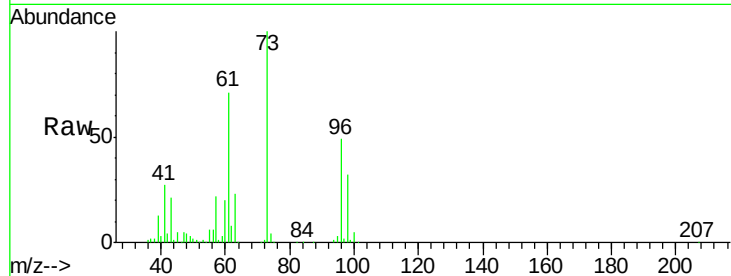




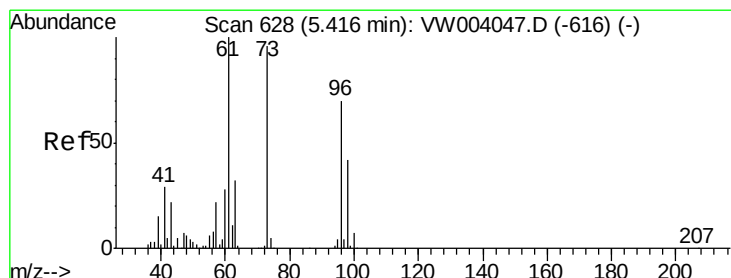
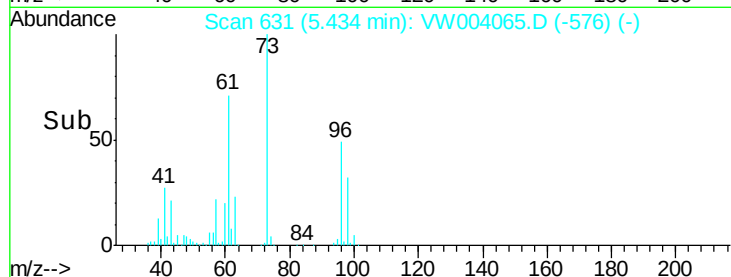
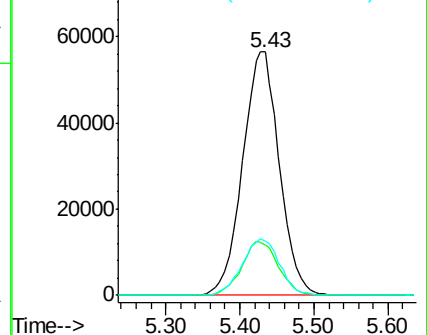
#17
Methyl tert-butyl Ether
Concen: 25.350 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Tgt Ion: 73 Resp: 194710
Ion Ratio Lower Upper
73 100
43 22.3 18.1 27.1
57 23.7 19.0 28.4

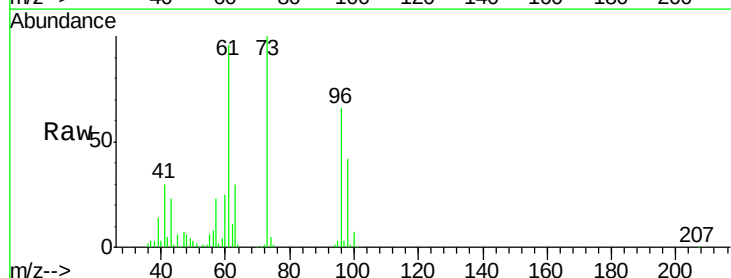


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

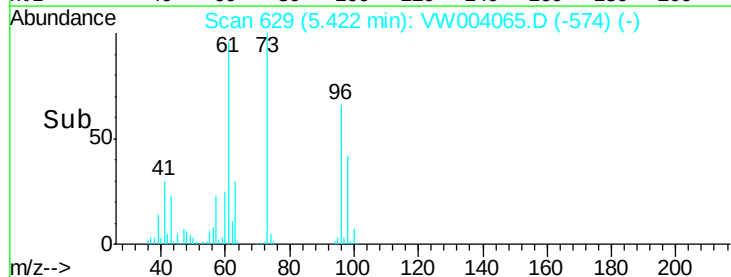
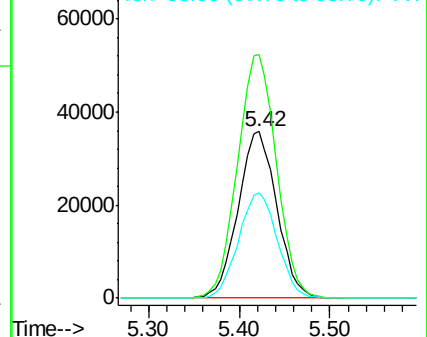


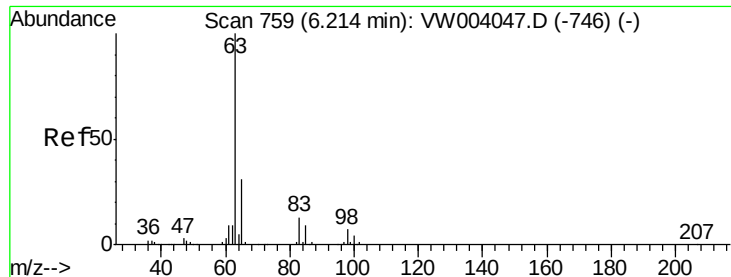
#18
trans-1,2-Dichloroethene
Concen: 25.821 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Tgt Ion: 96 Resp: 105577
Ion Ratio Lower Upper
96 100
61 146.0 99.8 185.4
98 62.9 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

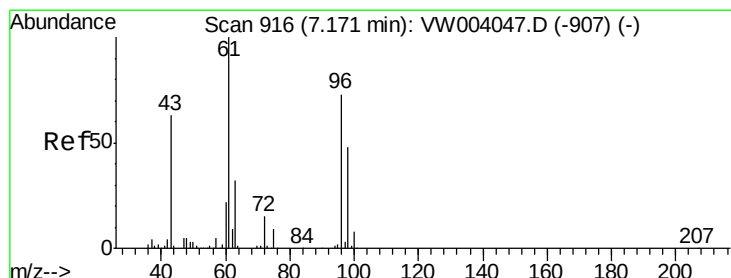
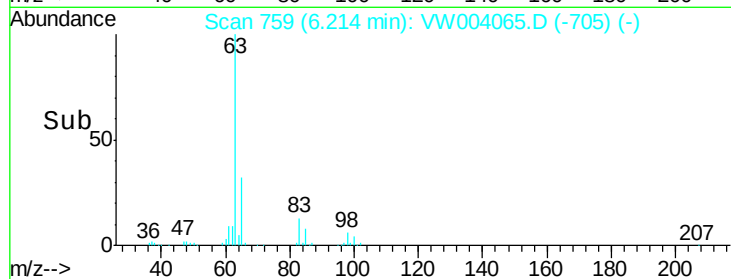
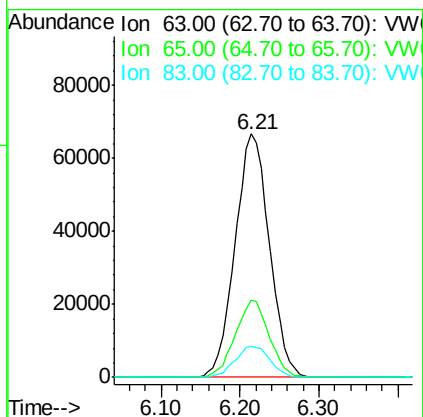
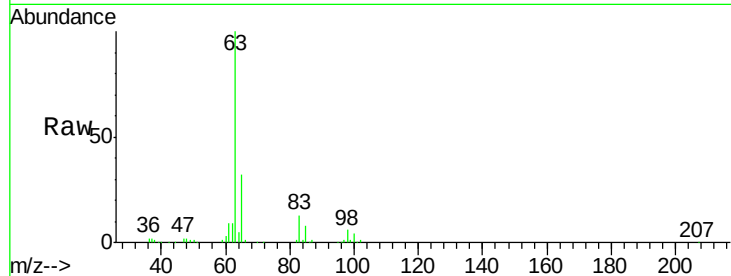




#19
 1,1-Dichloroethane
 Concen: 25.850 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

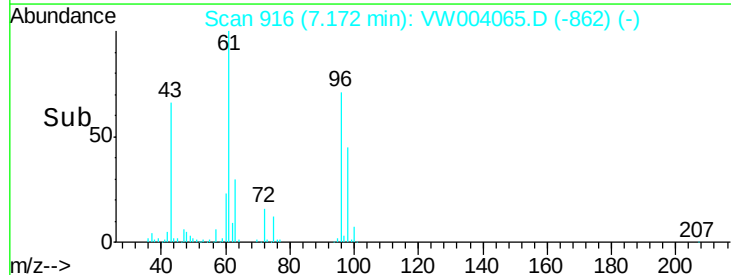
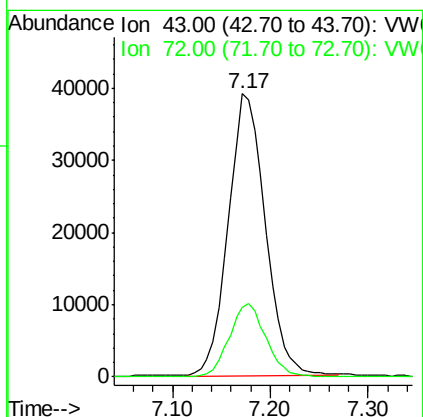
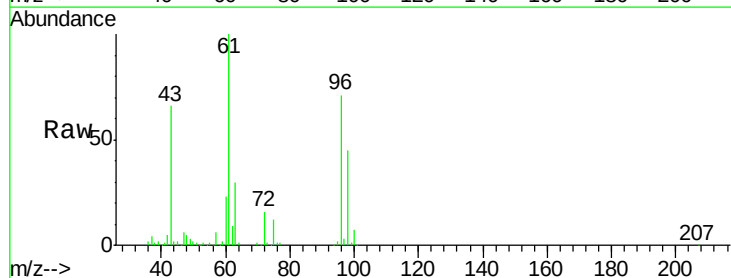
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

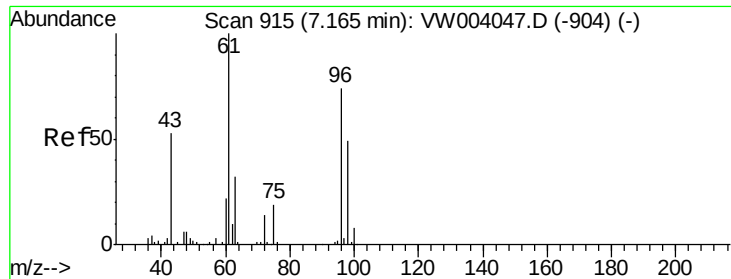
Tgt Ion: 63 Resp: 201087
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 43.922 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion: 43 Resp: 102533
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.1 36.3



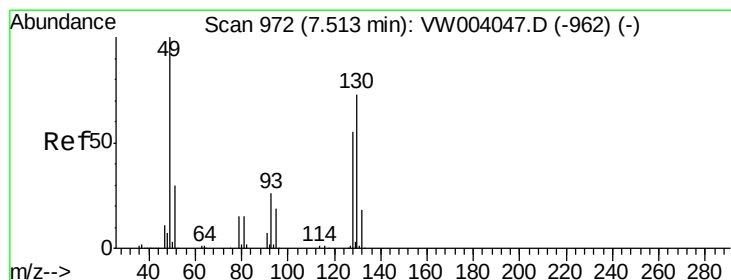
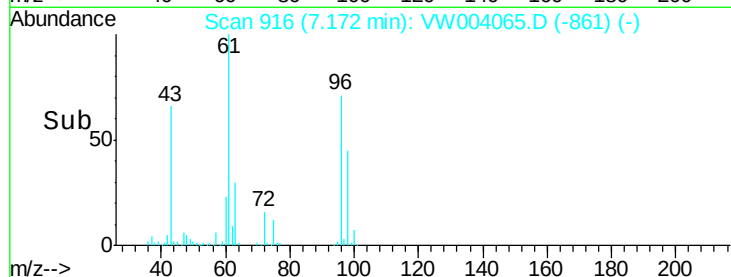
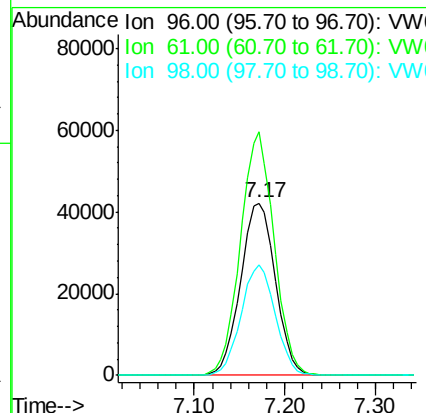
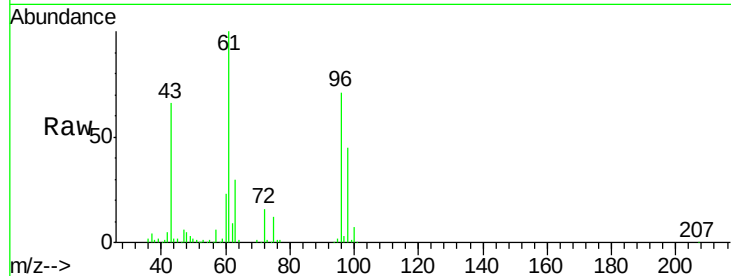


#22

cis-1,2-Dichloroethene
 Concen: 25.744 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

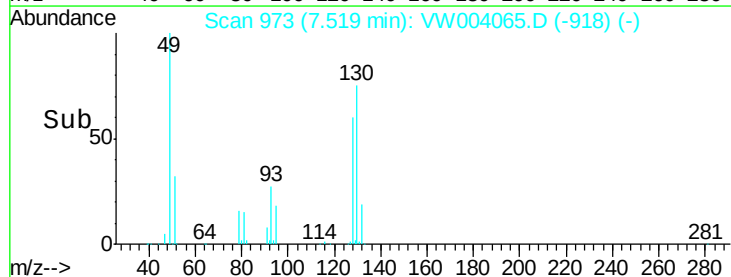
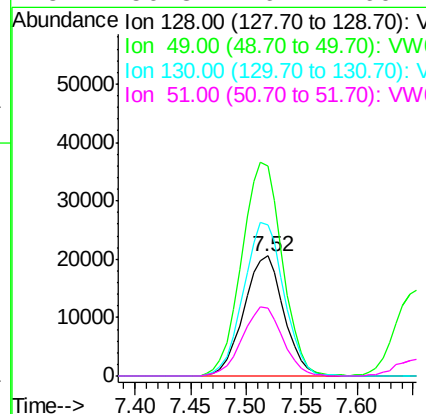
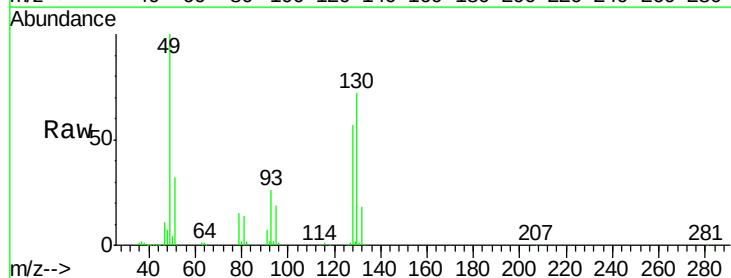
Tgt Ion: 96 Resp: 112508
 Ion Ratio Lower Upper
 96 100
 61 141.4 92.5 171.9
 98 63.8 43.0 80.0

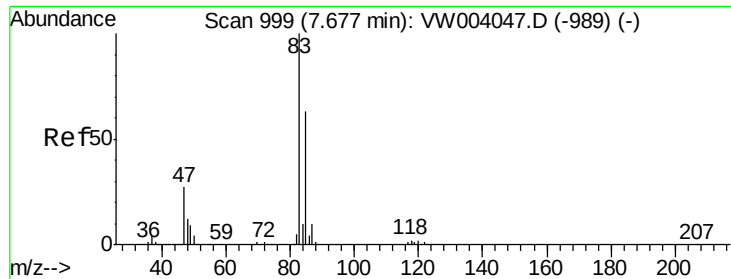


#23

Bromochloromethane
 Concen: 24.963 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion: 128 Resp: 51297
 Ion Ratio Lower Upper
 128 100
 49 175.4 126.4 234.8
 130 126.4 87.8 163.0
 51 56.3 46.2 69.2





#25

Chloroform

Concen: 25.402 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

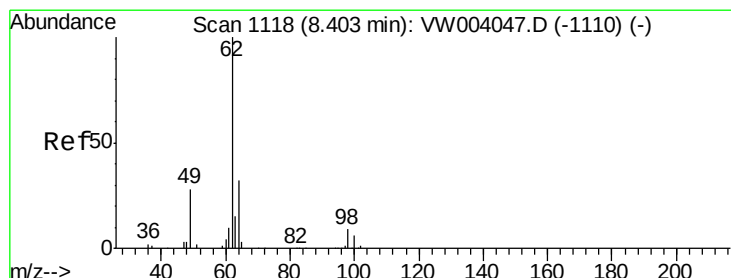
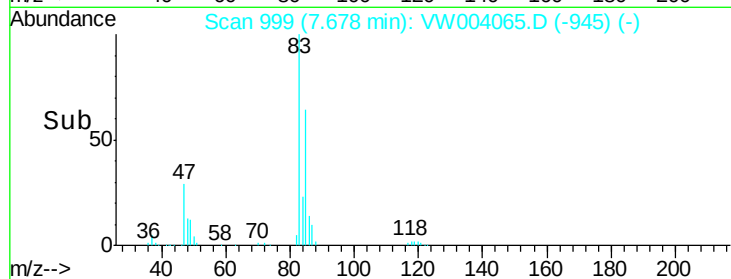
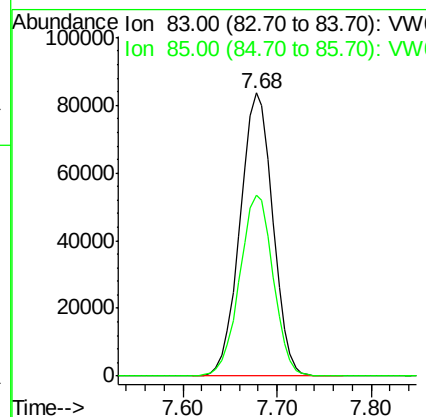
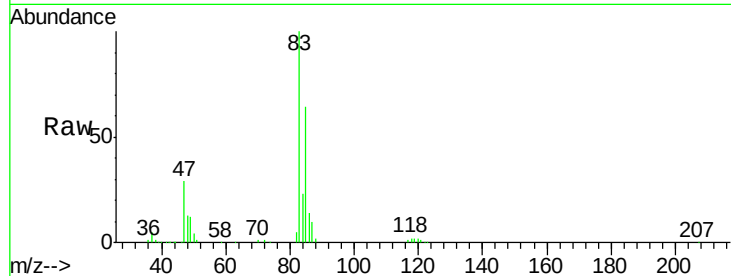
VSTD02591

Tgt Ion: 83 Resp: 201786

Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 25.071 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004065.D

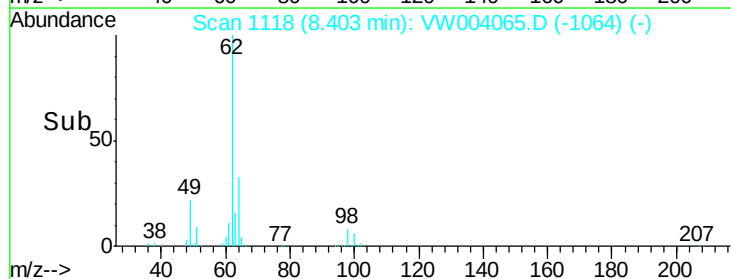
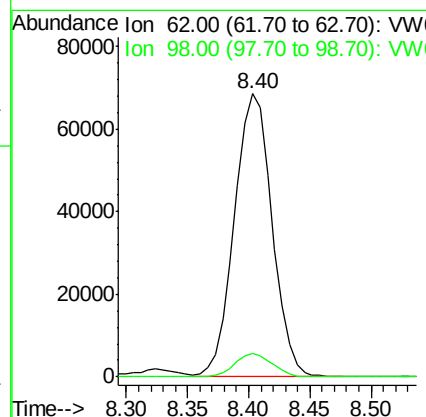
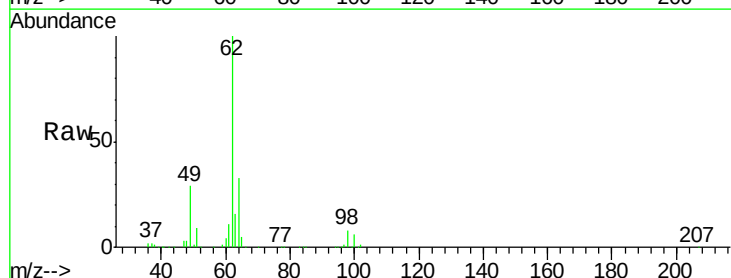
Acq: 20 Jul 2018 05:35

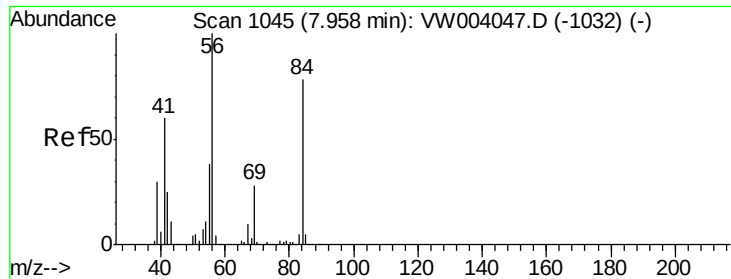
Tgt Ion: 62 Resp: 146783

Ion Ratio Lower Upper

62 100

98 8.5 6.2 9.4

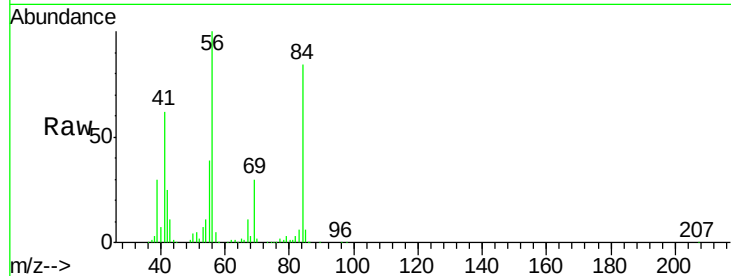




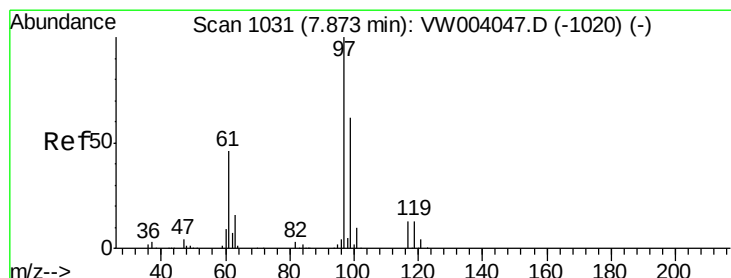
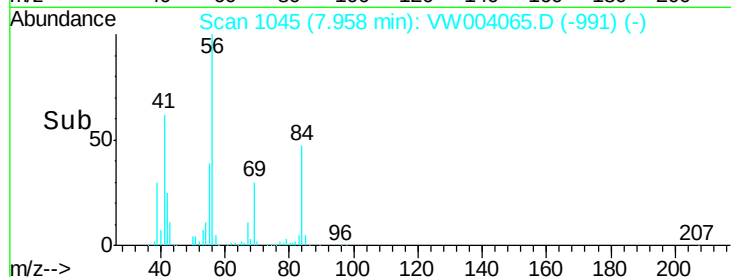
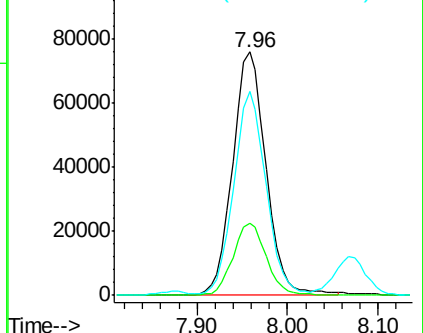
#30
Cyclohexane
Concen: 29.001 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Tgt Ion: 56 Resp: 193706
Ion Ratio Lower Upper
56 100
69 29.5 22.8 34.2
84 81.4 64.6 96.8

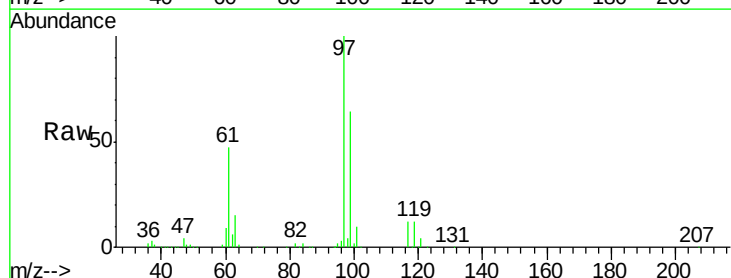


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

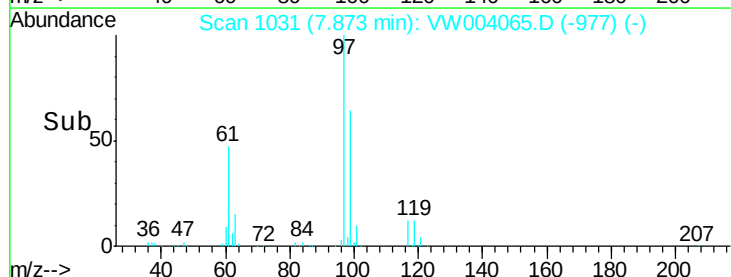
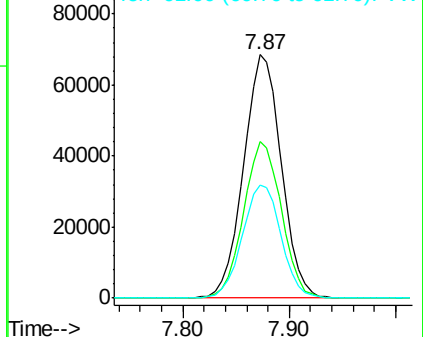


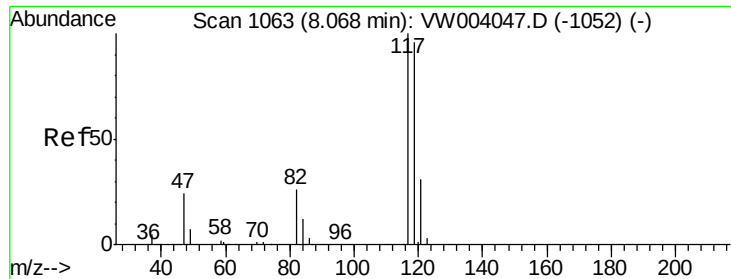
#31
1,1,1-Trichloroethane
Concen: 27.405 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Tgt Ion: 97 Resp: 170688
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 47.5 38.6 57.8



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: 27.584 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

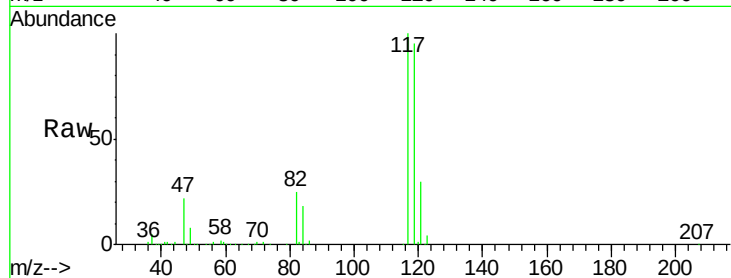
VSTD02591

Tgt Ion:117 Resp: 165753

Ion Ratio Lower Upper

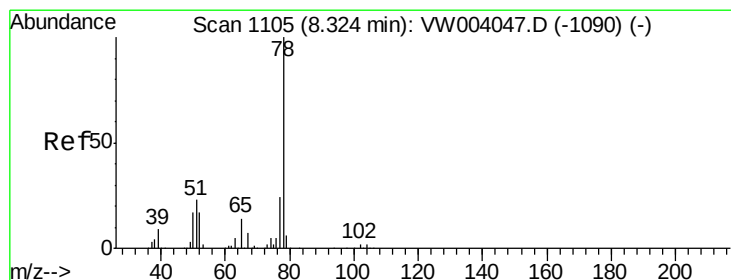
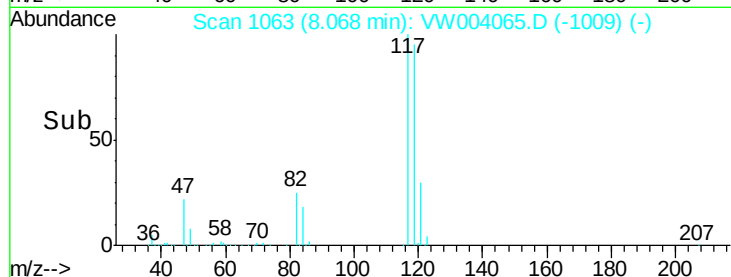
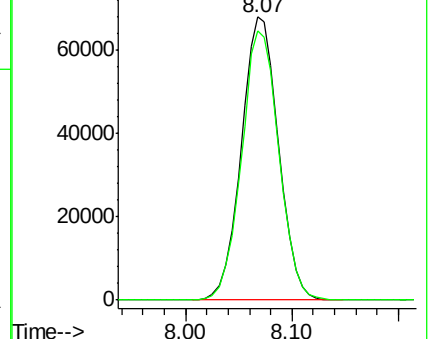
117 100

119 95.7 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: 26.708 ug/L

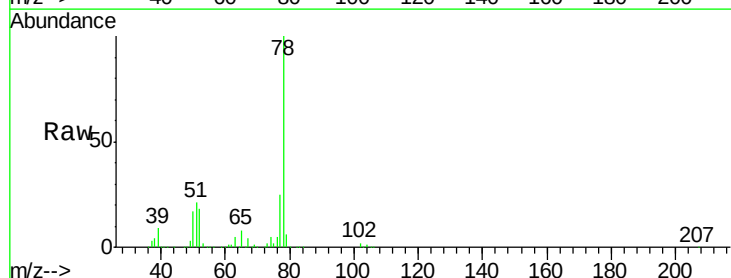
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

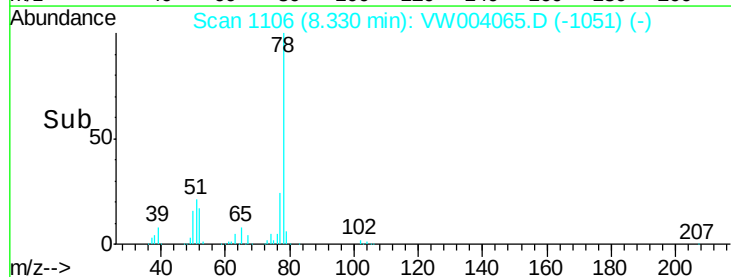
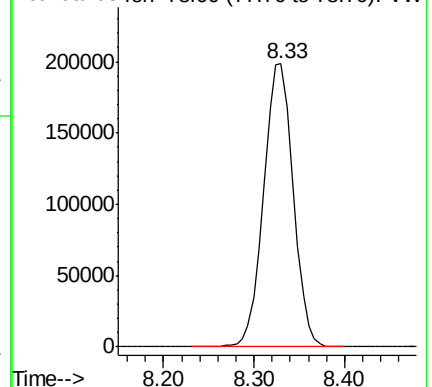
Lab File: VW004065.D

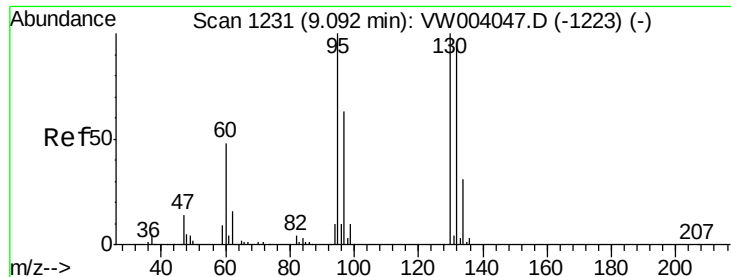
Acq: 20 Jul 2018 05:35

Tgt Ion: 78 Resp: 448348



Abundance Ion 78.00 (77.70 to 78.70): VW

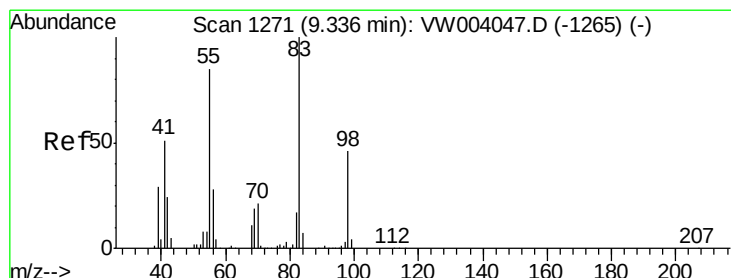
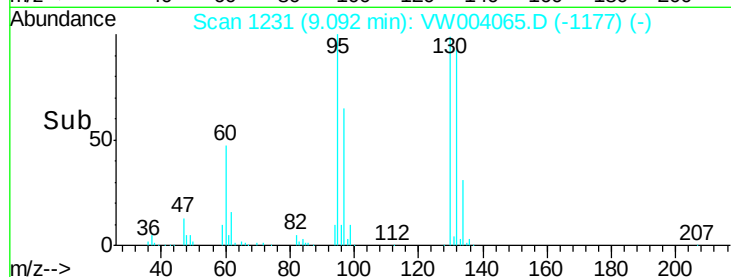
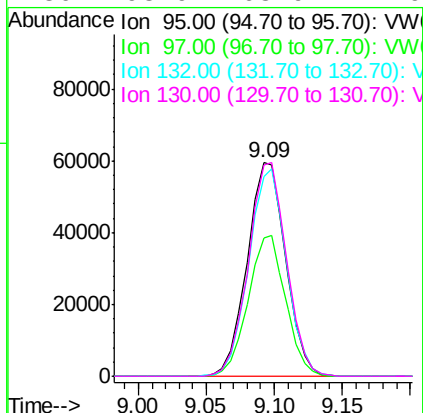
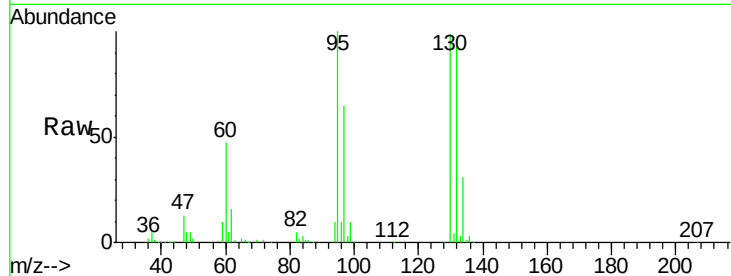




#35
 Trichloroethene
 Concen: 26.268 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

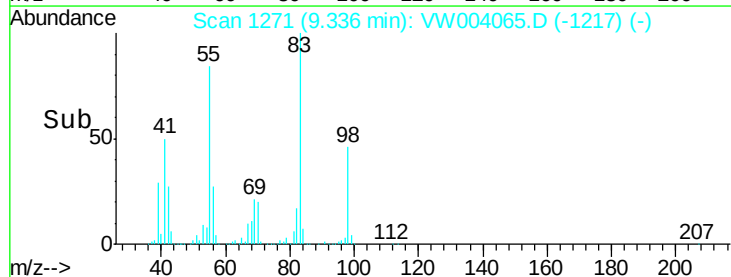
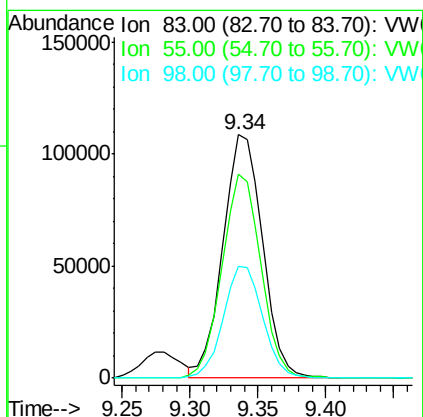
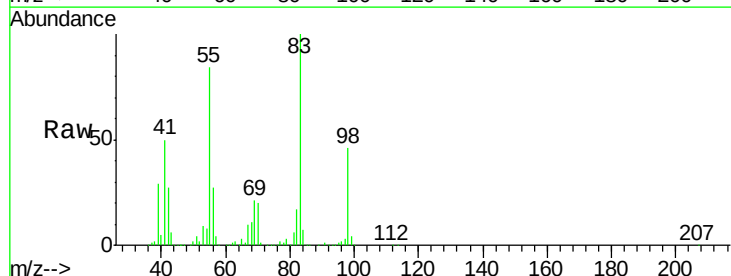
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02591

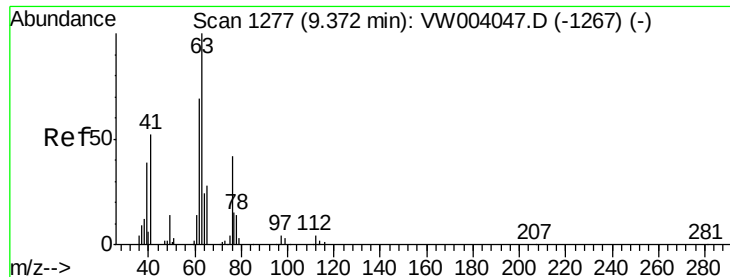
Tgt Ion: 95 Resp: 117983
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.7 83.1
 132 95.2 66.1 122.7
 130 98.9 68.9 127.9



#36
 Methylcyclohexane
 Concen: 29.530 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion: 83 Resp: 219215
 Ion Ratio Lower Upper
 83 100
 55 82.6 65.8 98.6
 98 46.0 37.0 55.6

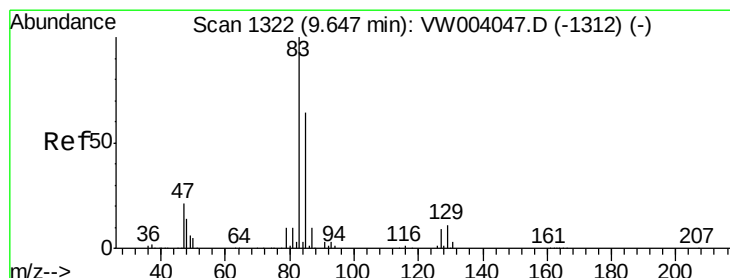
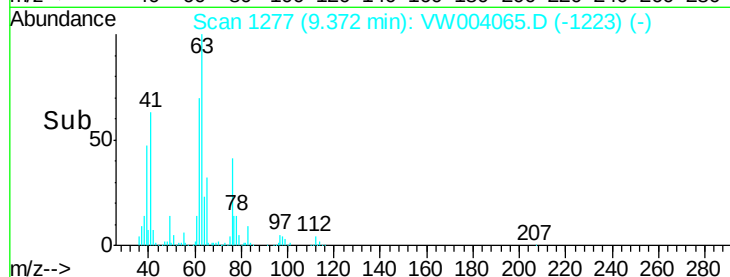
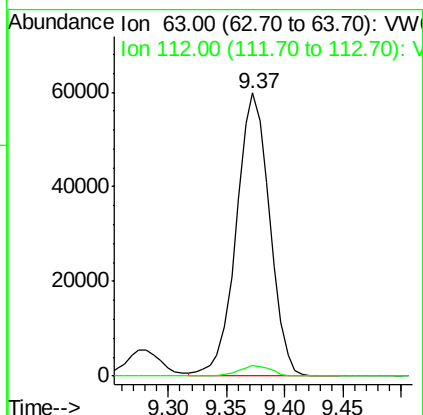
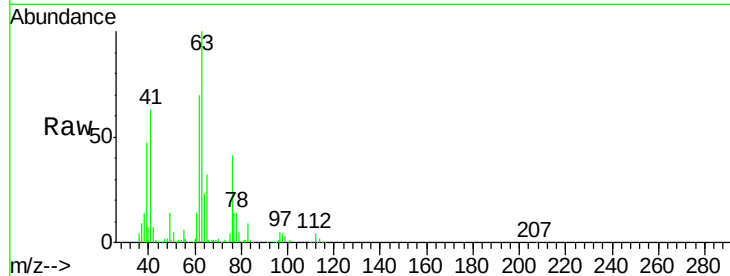




#40
 1,2-Dichloropropane
 Concen: 26.295 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

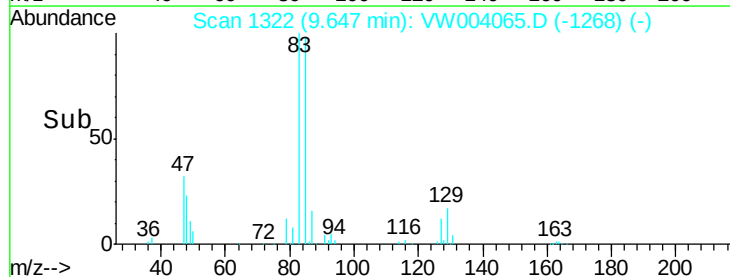
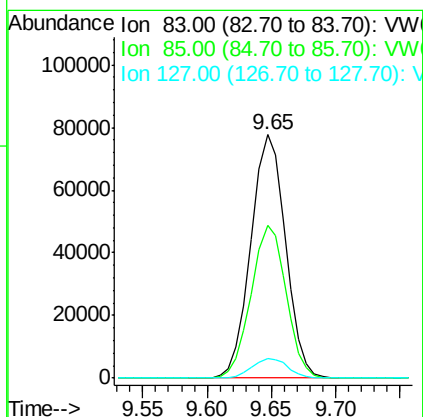
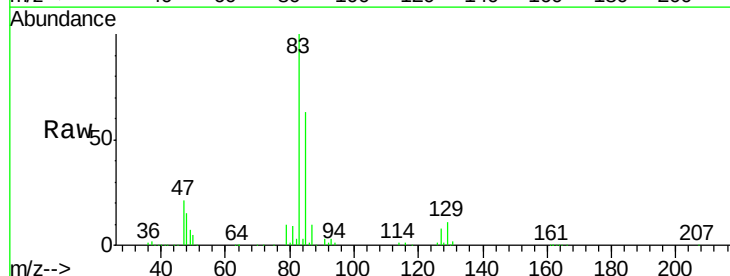
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

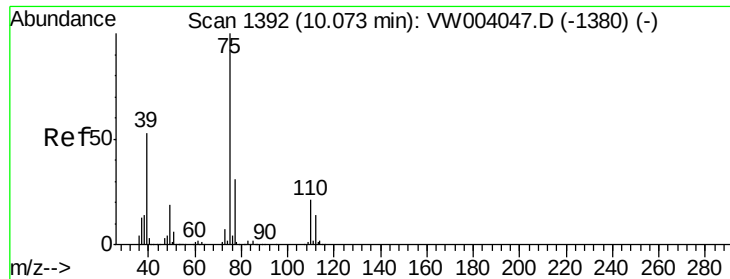
Tgt Ion: 63 Resp: 119663
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#41
 Bromodichloromethane
 Concen: 25.824 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion: 83 Resp: 144694
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 82.9
 127 8.0 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.917 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampled :

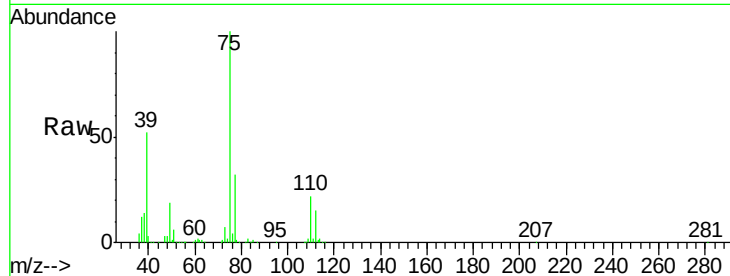
VSTD02591

Tgt Ion: 75 Resp: 159778

Ion Ratio Lower Upper

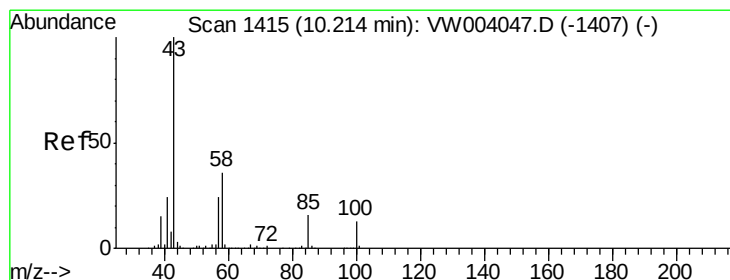
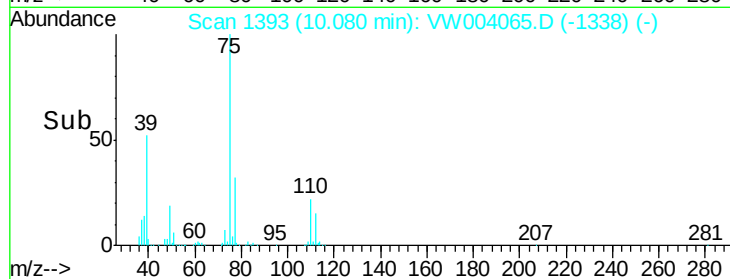
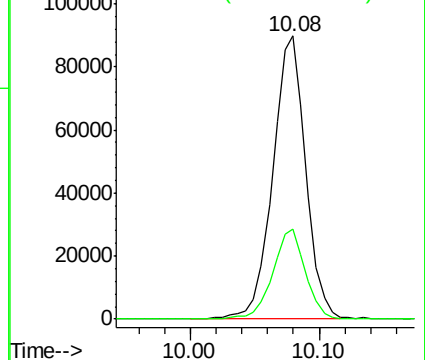
75 100

77 32.0 22.3 41.5



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: 52.562 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

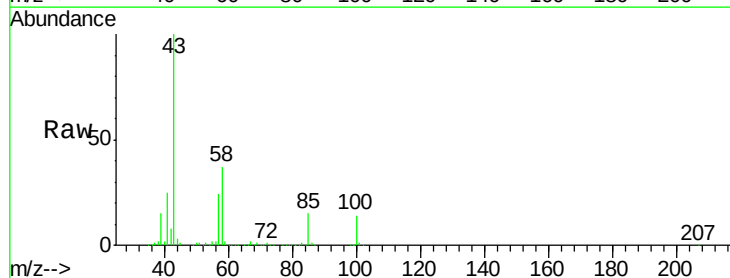
Tgt Ion: 43 Resp: 210280

Ion Ratio Lower Upper

43 100

58 37.1 29.4 44.2

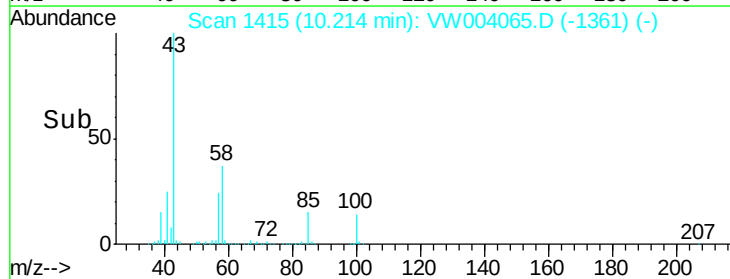
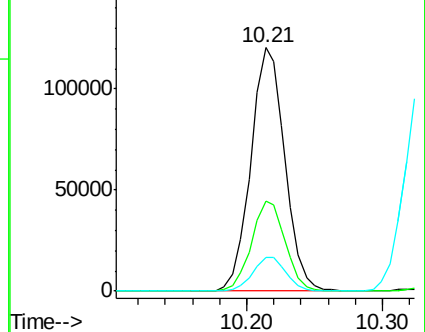
100 13.7 10.8 16.2

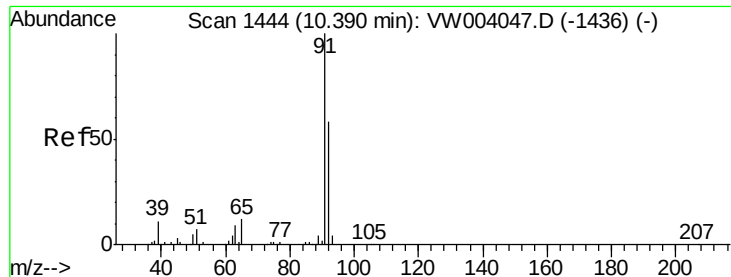


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 27.416 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

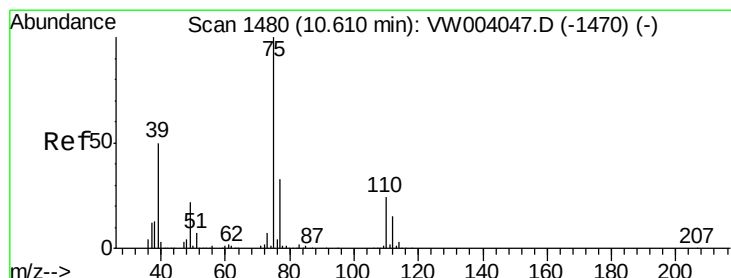
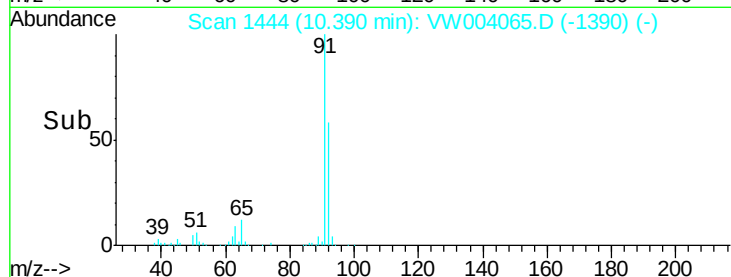
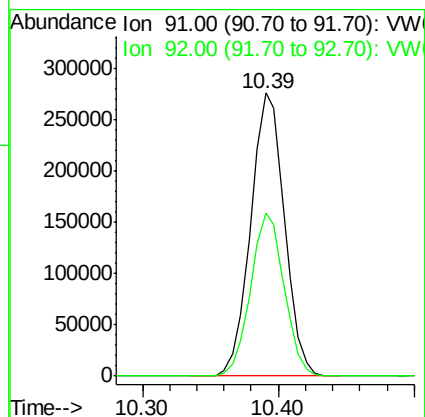
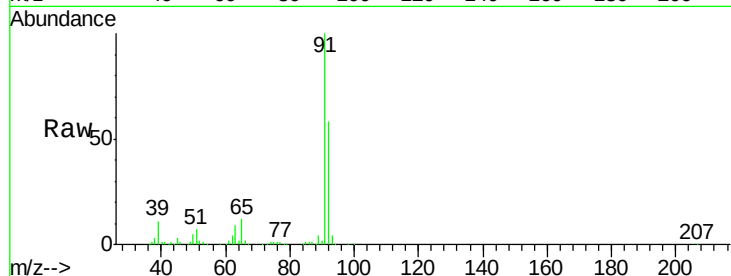
VSTD02591

Tgt Ion: 91 Resp: 482267

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.205 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004065.D

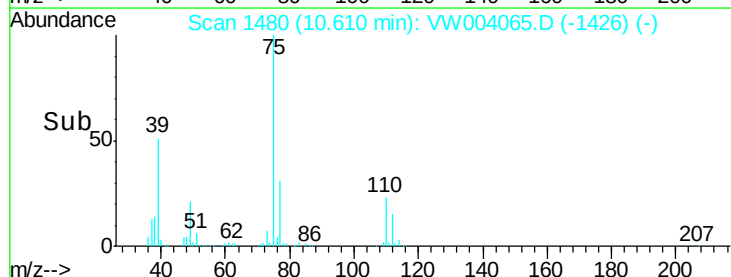
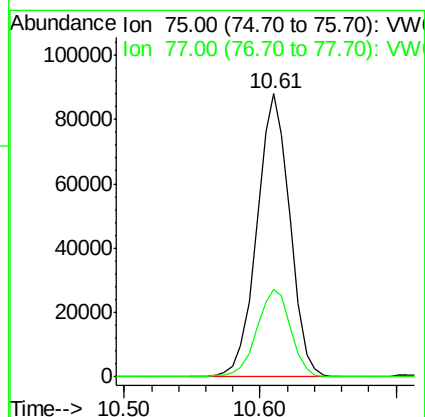
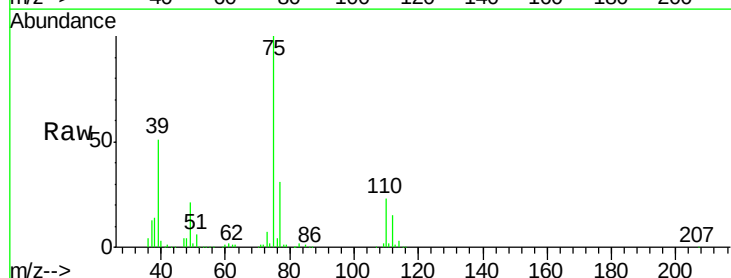
Acq: 20 Jul 2018 05:35

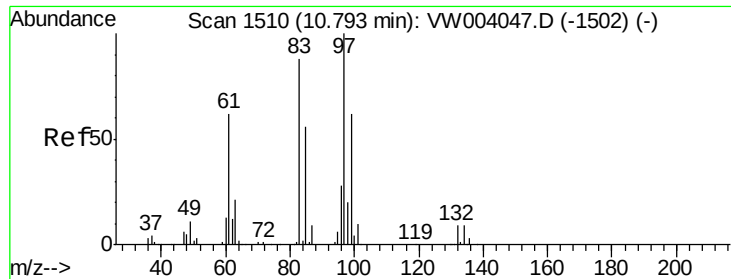
Tgt Ion: 75 Resp: 149079

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

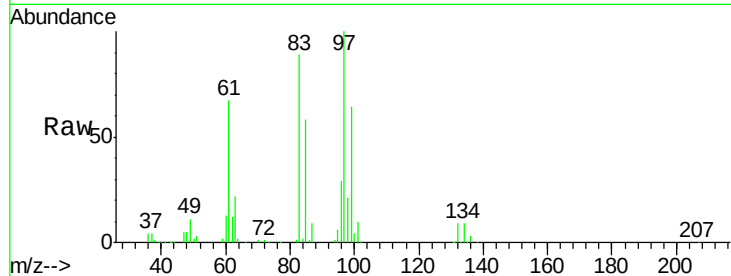




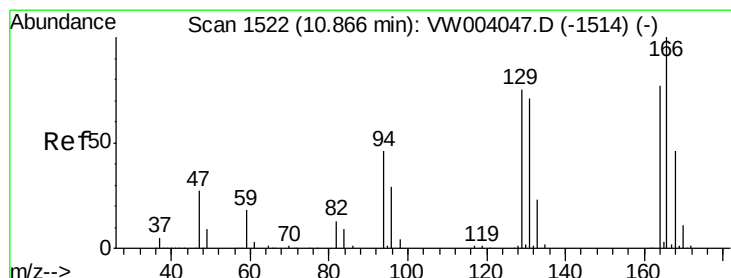
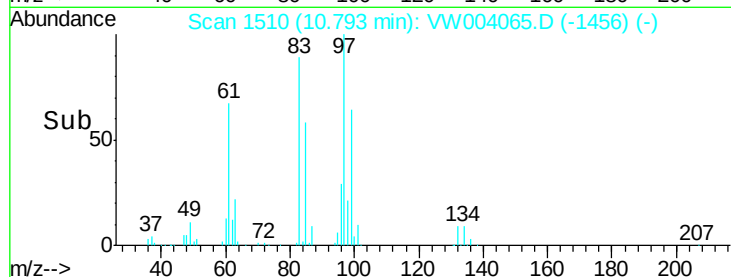
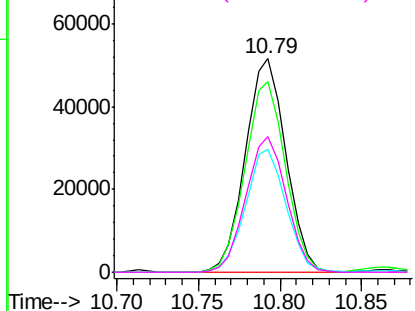
#46
1,1,2-Trichloroethane
Concen: 25.343 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Tgt Ion:	97	Resp:	89635
Ion	Ratio	Lower	Upper
97	100		
83	89.5	59.4	110.4
85	57.8	40.0	74.2
99	63.5	43.3	80.5

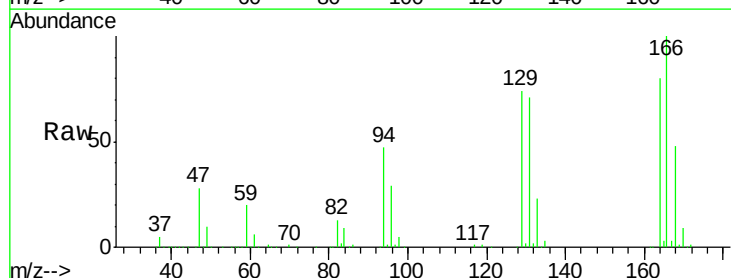


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

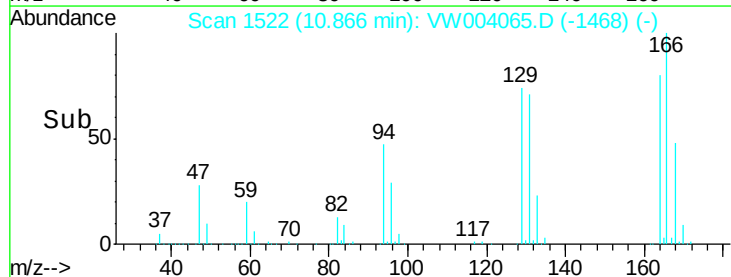
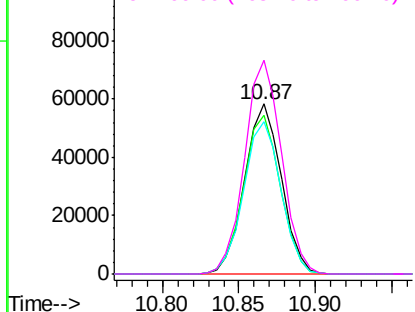


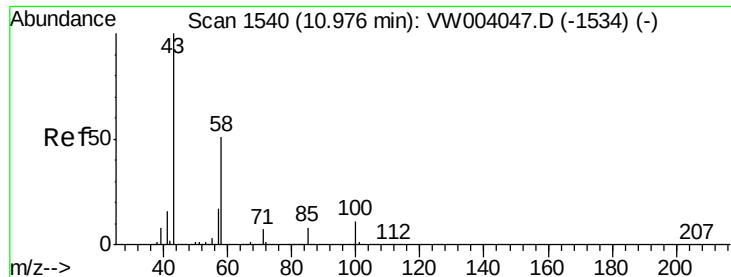
#47
Tetrachloroethene
Concen: 27.008 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Tgt Ion:	164	Resp:	97836
Ion	Ratio	Lower	Upper
164	100		
129	93.4	63.1	117.3
131	89.8	62.8	116.6
166	125.7	84.6	157.2



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

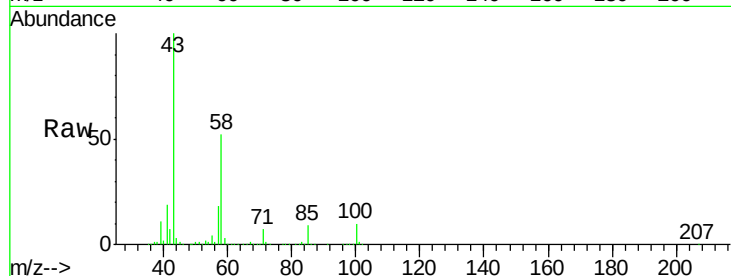




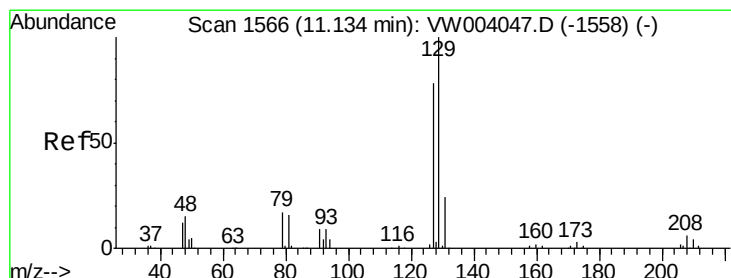
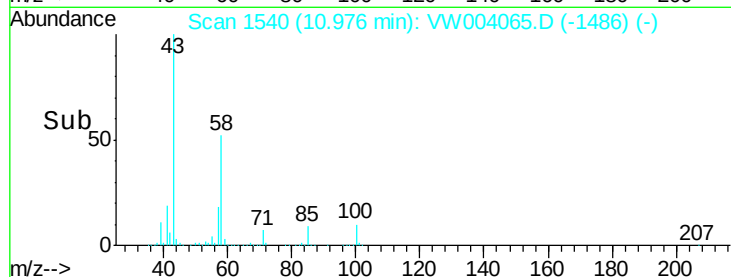
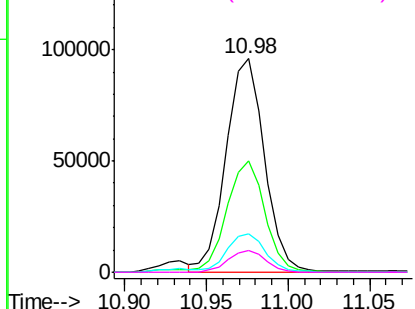
#49
2-Hexanone
Concen: 50.964 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Tgt Ion: 43 Resp: 157847
Ion Ratio Lower Upper
43 100
58 51.3 40.4 60.6
57 18.1 14.0 21.0
100 10.2 8.2 12.2

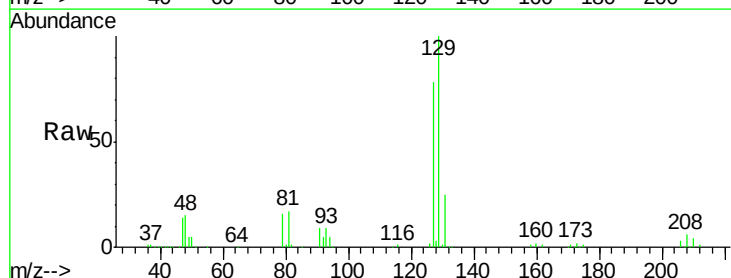


Abundance Ion 43.00 (42.70 to 43.70): VW
150000
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

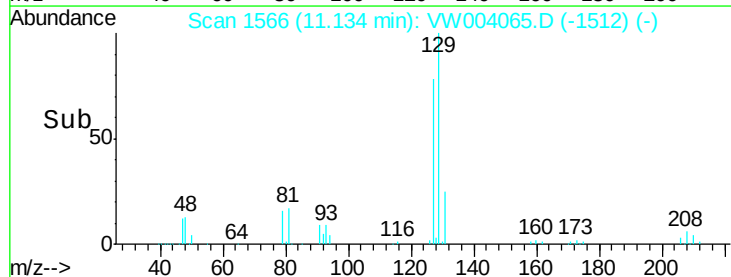
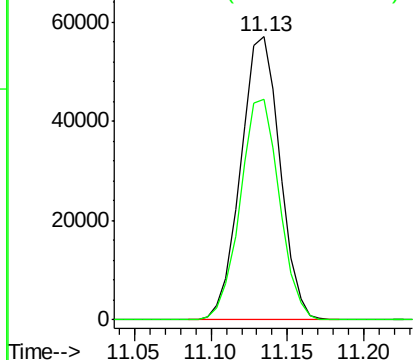


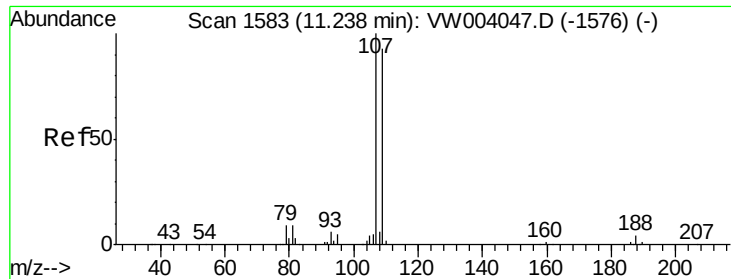
#50
Dibromochloromethane
Concen: 25.695 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004065.D
Acq: 20 Jul 2018 05:35

Tgt Ion: 129 Resp: 101807
Ion Ratio Lower Upper
129 100
127 78.0 56.1 104.3



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





#51

1,2-Dibromoethane

Concen: 25.158 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

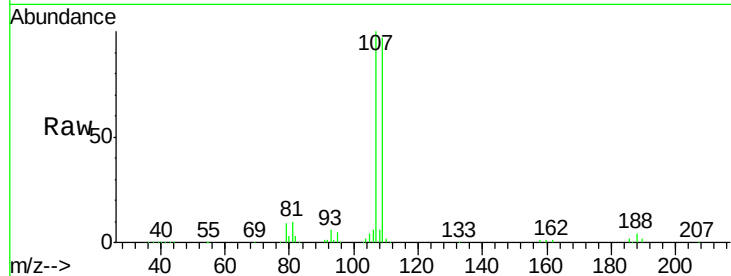
Tgt Ion:107 Resp: 86904

Ion Ratio Lower Upper

107 100

109 96.9 65.2 121.0

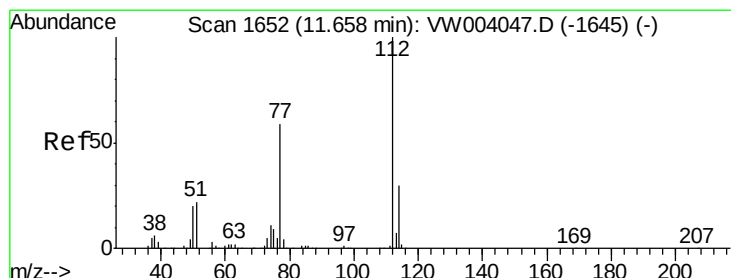
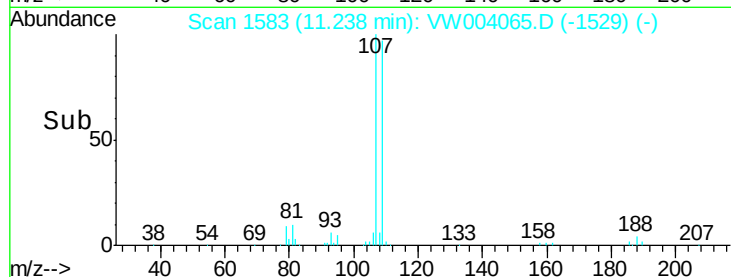
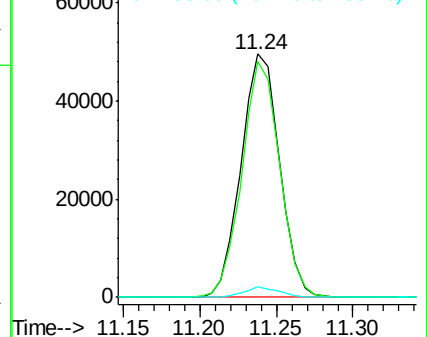
188 4.1 2.9 4.3



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: 26.040 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

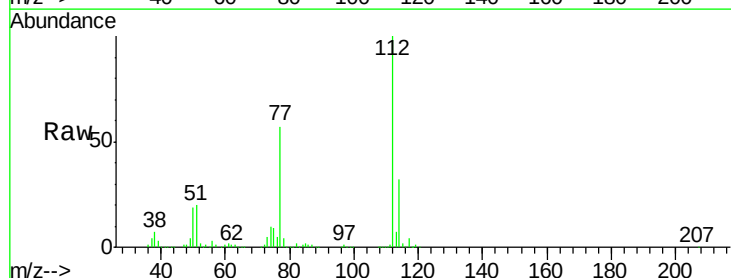
Tgt Ion:112 Resp: 293696

Ion Ratio Lower Upper

112 100

77 57.3 47.7 71.5

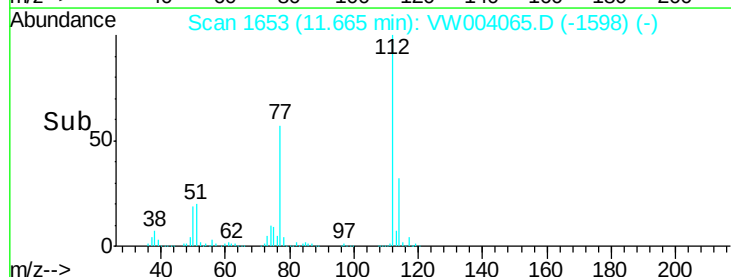
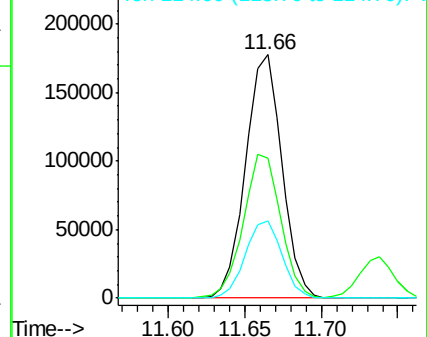
114 31.7 22.2 41.2

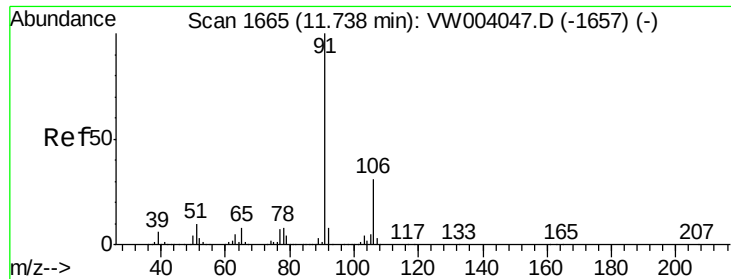


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.626 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

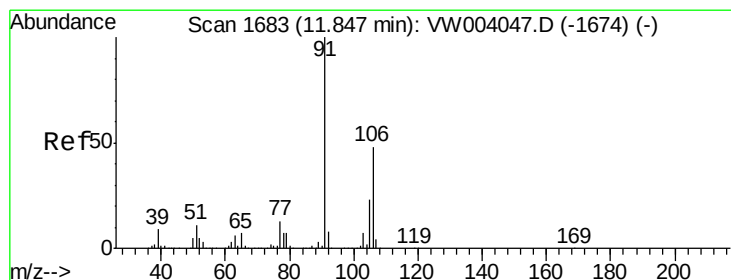
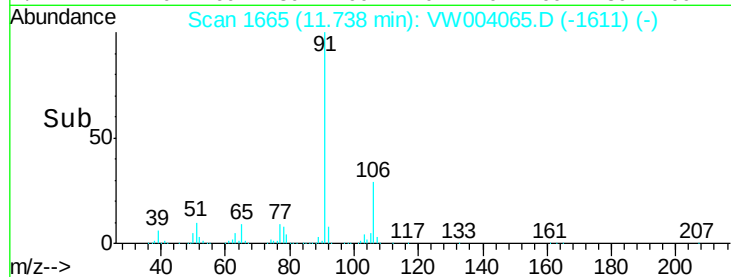
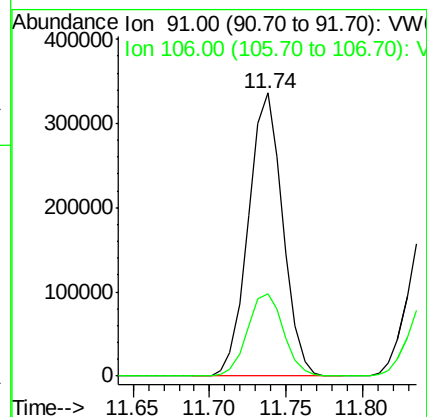
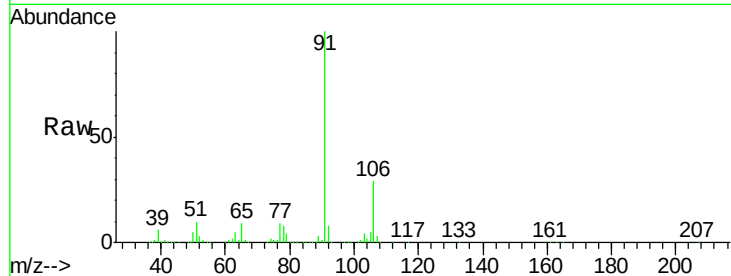
VSTD02591

Tgt Ion: 91 Resp: 526042

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.5



#54

m,p-Xylene

Concen: 28.675 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004065.D

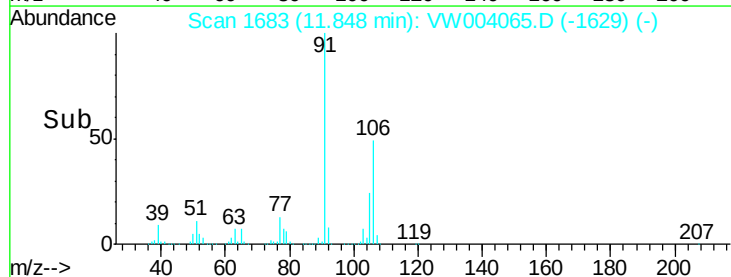
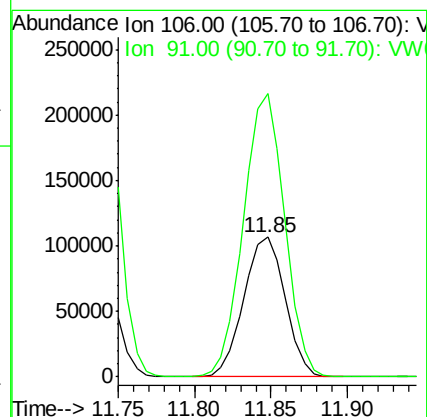
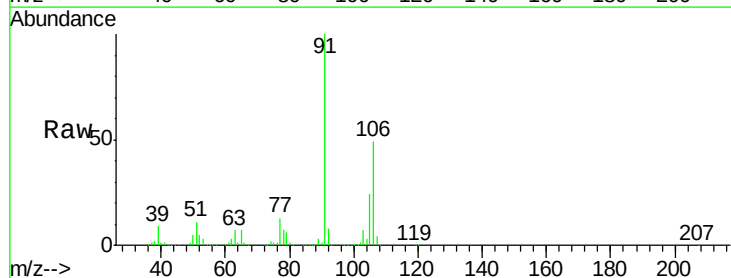
Acq: 20 Jul 2018 05:35

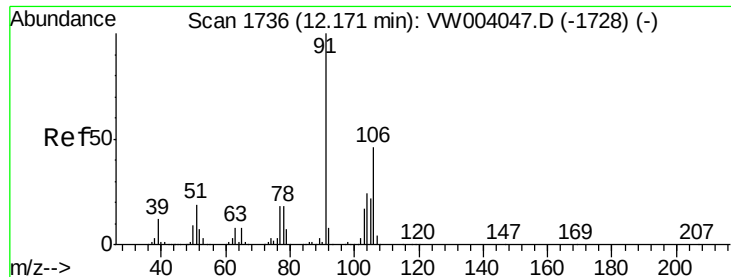
Tgt Ion: 106 Resp: 201240

Ion Ratio Lower Upper

106 100

91 202.8 142.1 263.9





#55

o-xylene

Concen: 28.269 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampled :

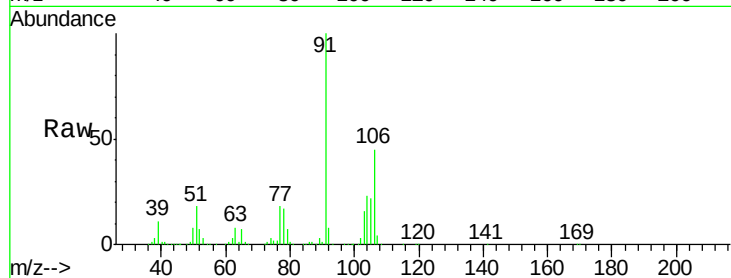
VSTD02591

Tgt Ion:106 Resp: 189758

Ion Ratio Lower Upper

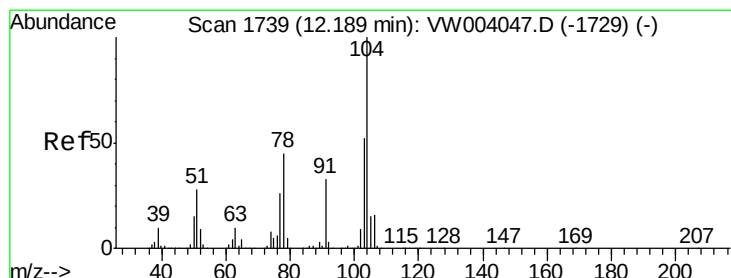
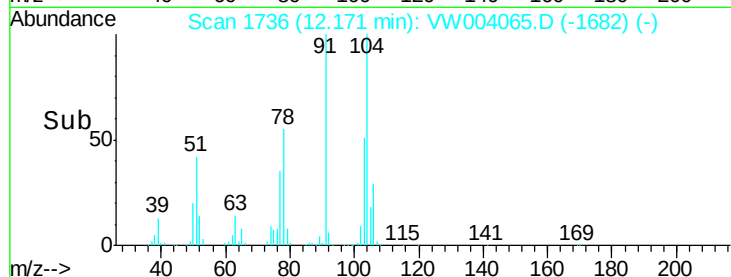
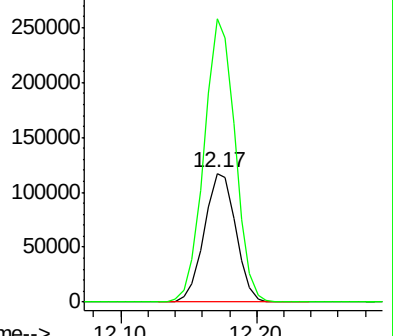
106 100

91 220.1 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.143 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004065.D

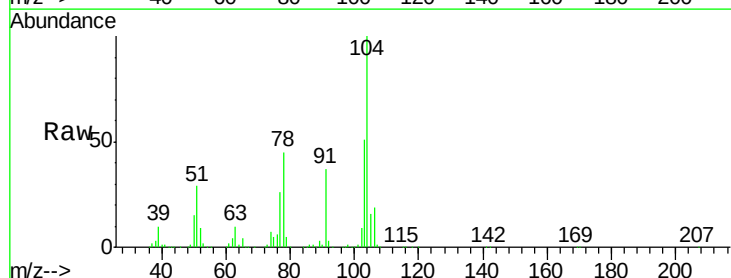
Acq: 20 Jul 2018 05:35

Tgt Ion:104 Resp: 326344

Ion Ratio Lower Upper

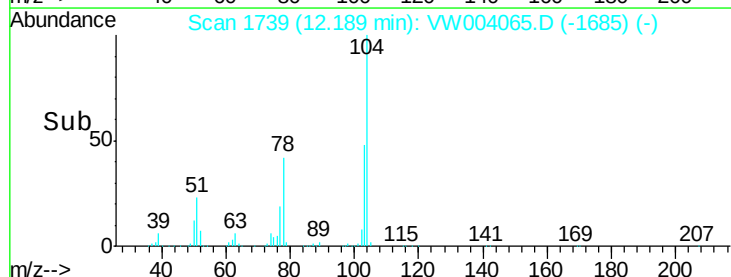
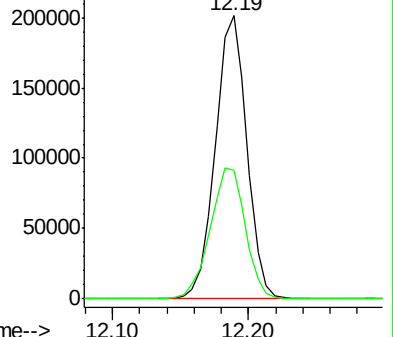
104 100

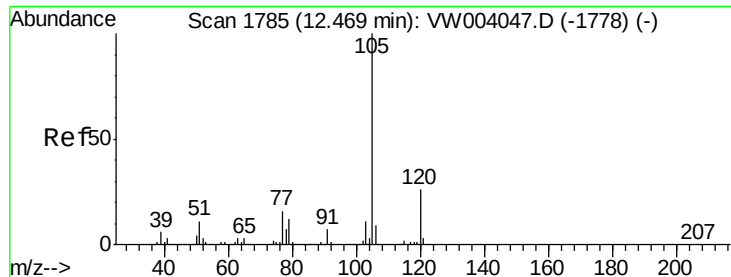
78 45.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.079 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

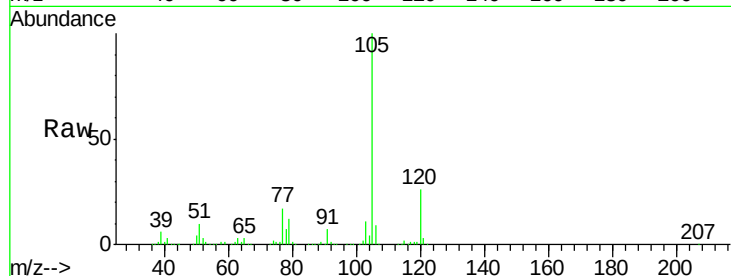
Tgt Ion: 105 Resp: 535176

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

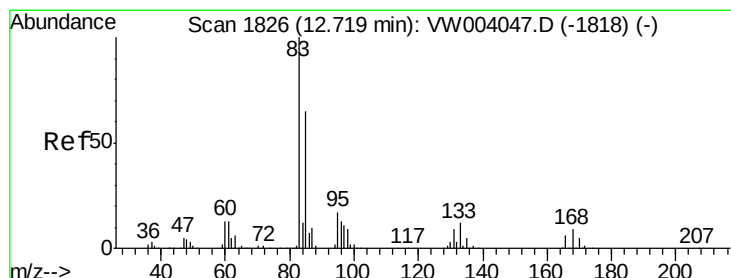
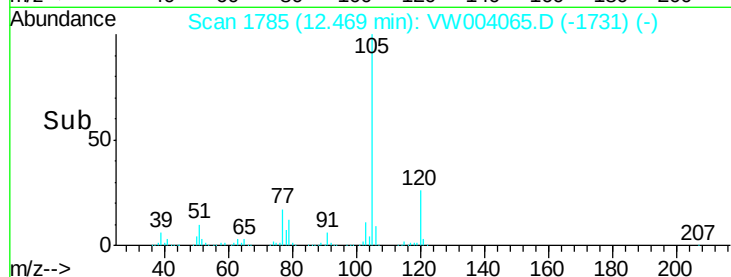
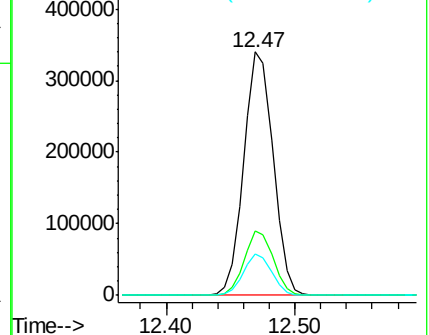
77 16.5 13.1 19.7



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



#58

1,1,2,2-Tetrachloroethane

Concen: 25.402 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

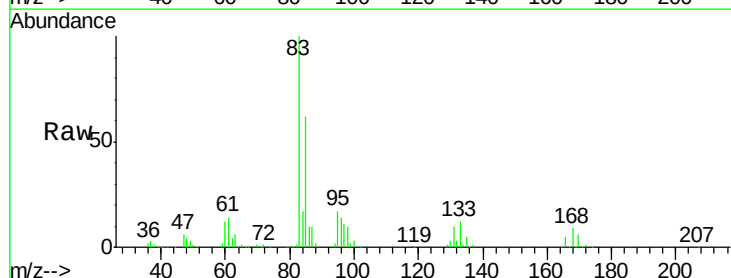
Tgt Ion: 83 Resp: 128415

Ion Ratio Lower Upper

83 100

85 62.5 44.7 83.1

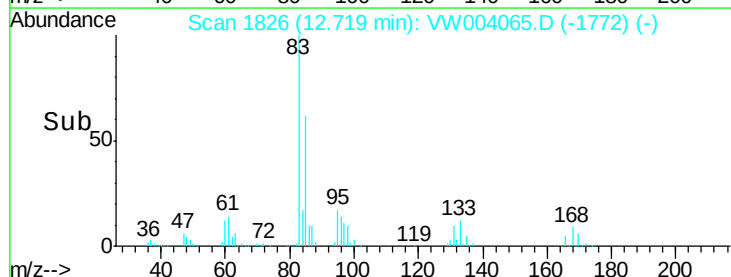
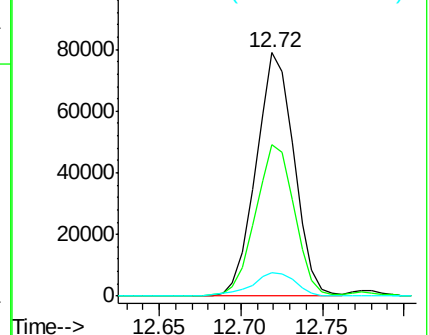
131 9.6 7.8 11.6

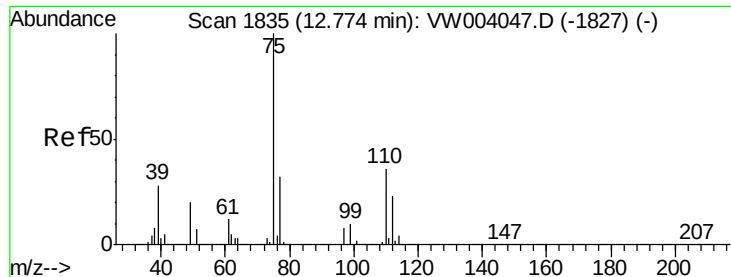


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.784 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampleId :

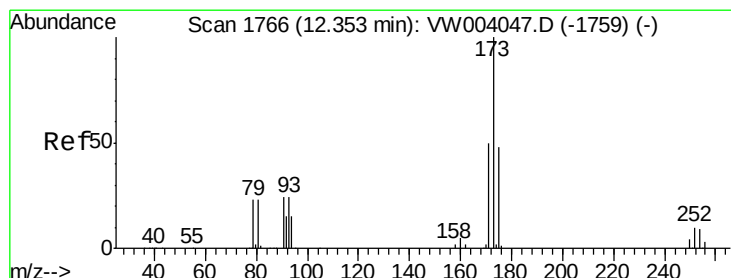
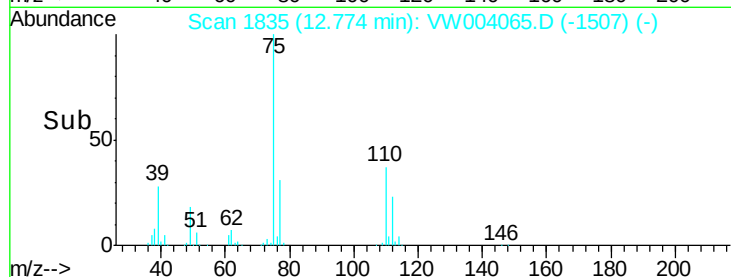
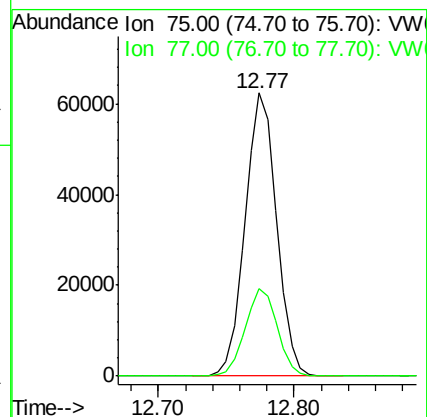
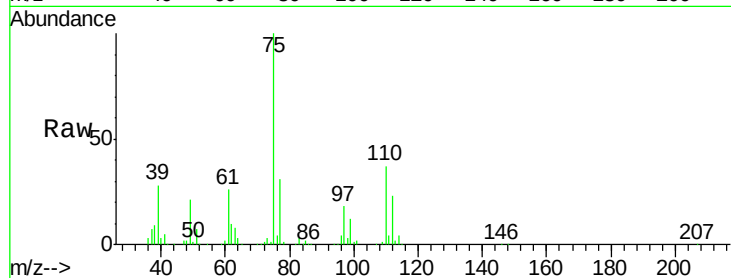
VSTD02591

Tgt Ion: 75 Resp: 100901

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#62

Bromoform

Concen: 26.280 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

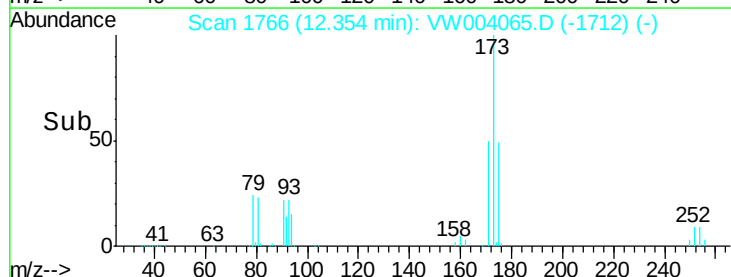
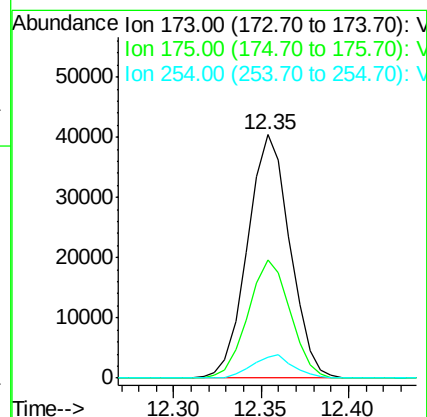
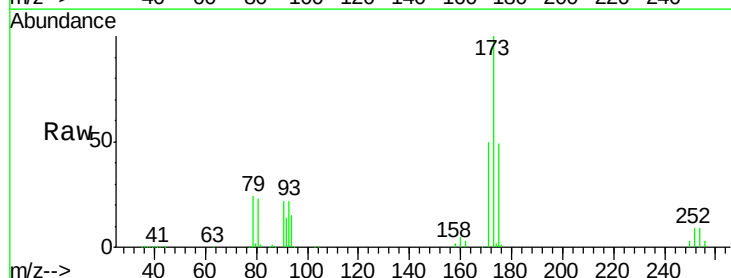
Tgt Ion: 173 Resp: 68267

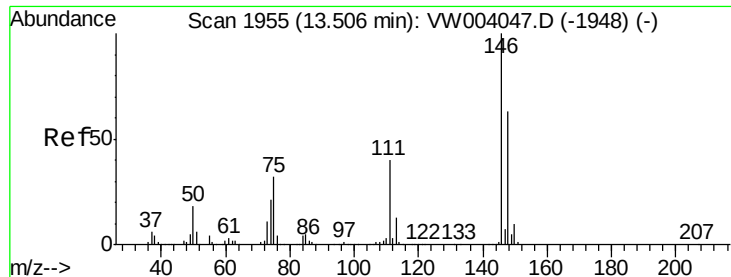
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.0

254 8.9 7.4 11.2

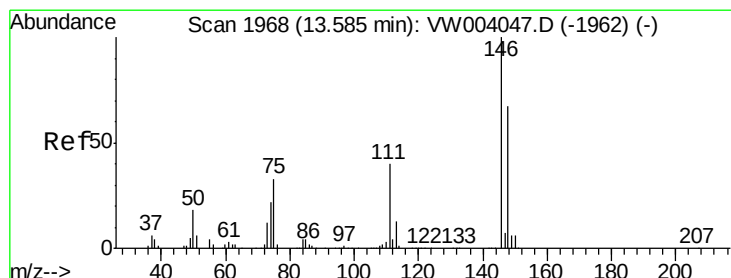
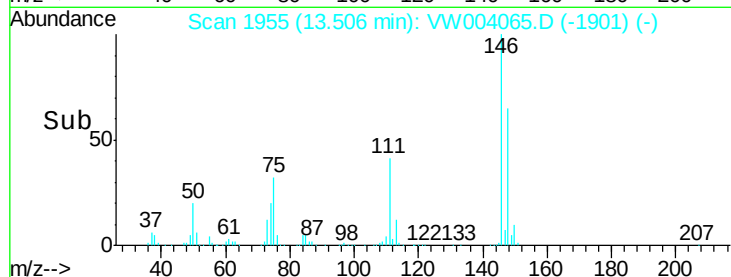
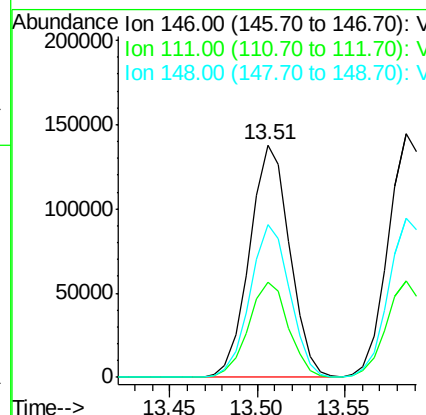
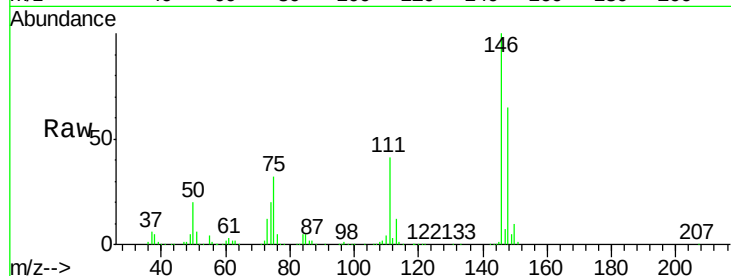




#63
 1,3-Dichlorobenzene
 Concen: 25.963 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

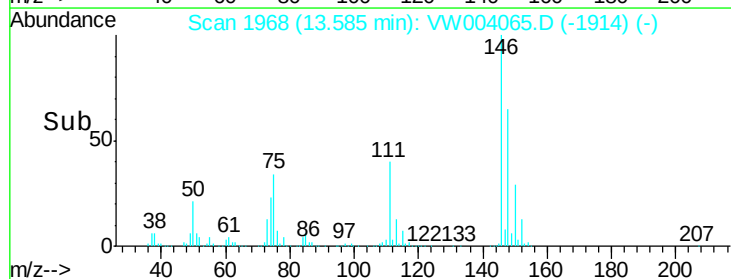
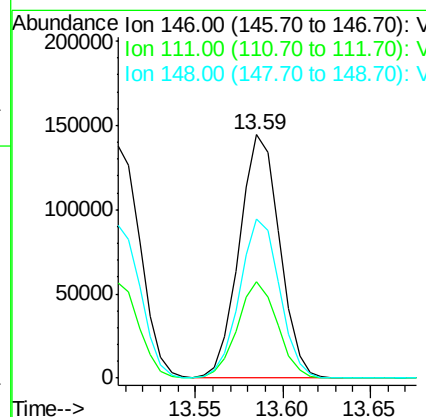
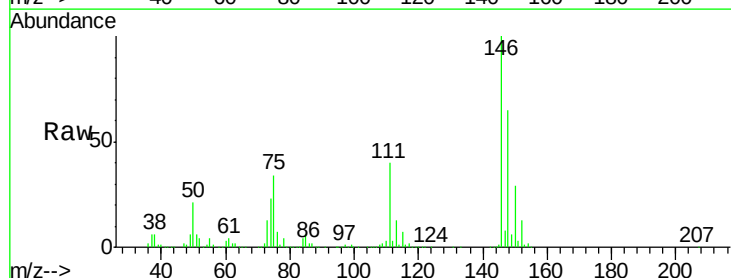
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

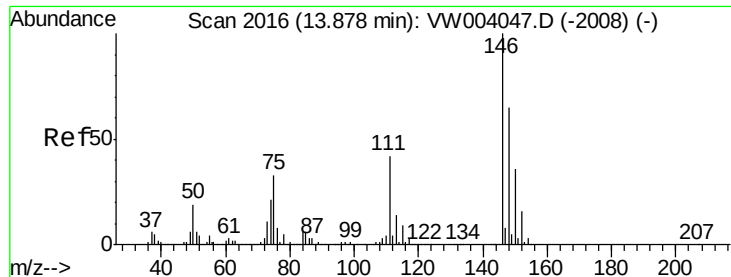
Tgt Ion:146 Resp: 220116
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.9 51.7
 148 65.5 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 25.532 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion:146 Resp: 232093
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.8 49.8
 148 65.4 44.3 82.3

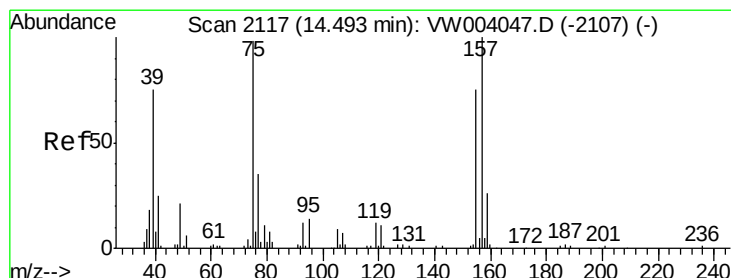
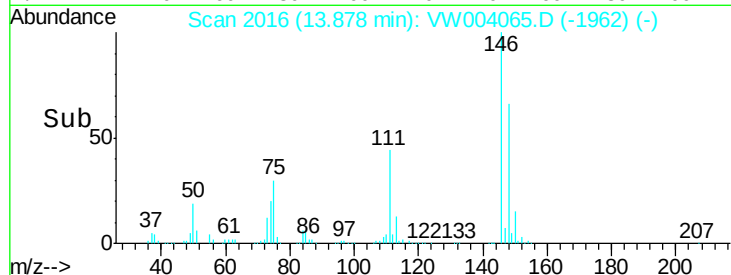
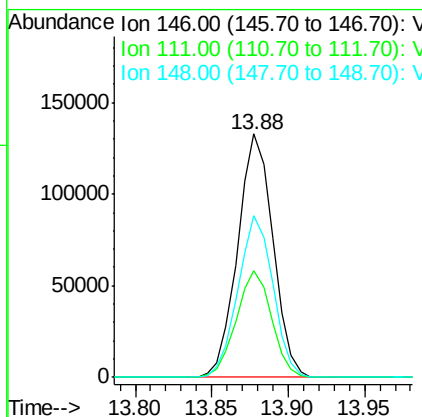
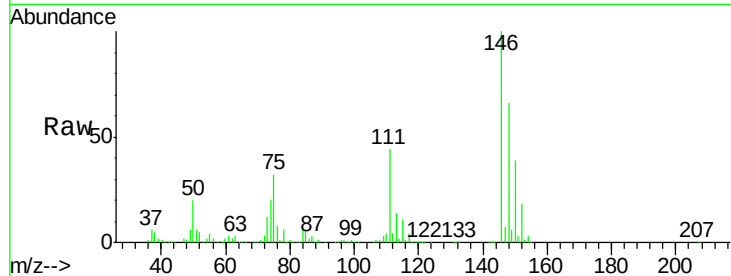




#65
 1,2-Dichlorobenzene
 Concen: 25.797 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

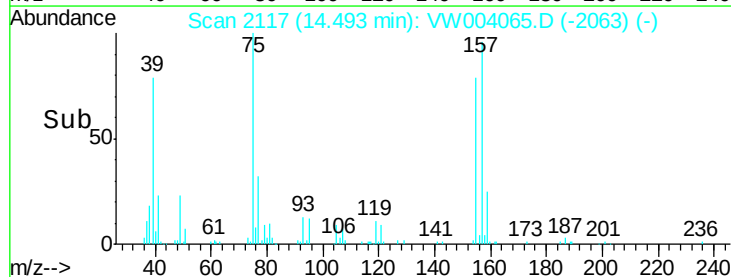
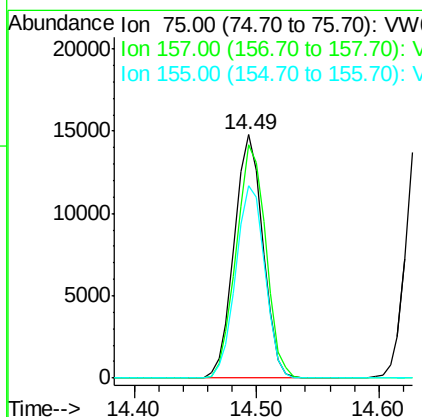
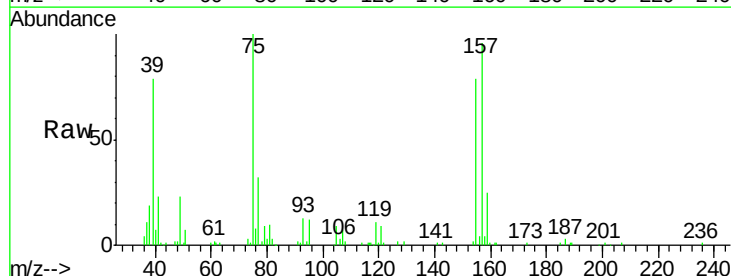
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

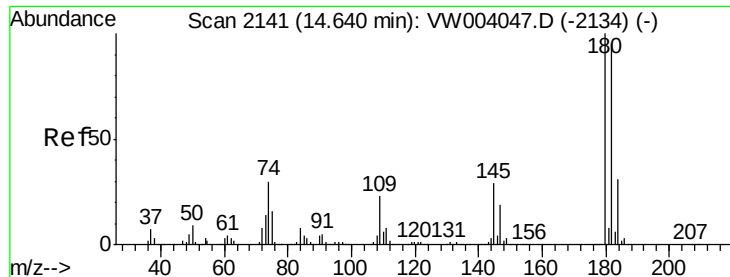
Tgt Ion: 146 Resp: 213134
 Ion Ratio Lower Upper
 146 100
 111 43.7 33.2 49.8
 148 66.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.925 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion: 75 Resp: 24008
 Ion Ratio Lower Upper
 75 100
 157 96.1 77.9 116.9
 155 79.3 61.8 92.8

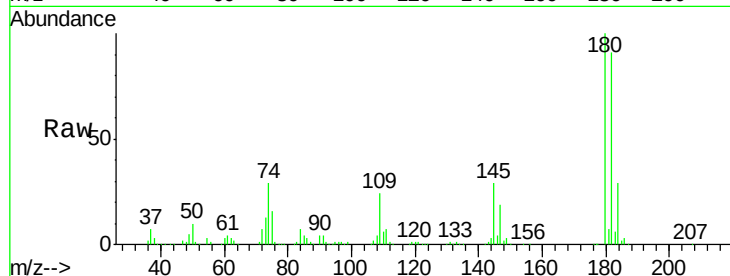




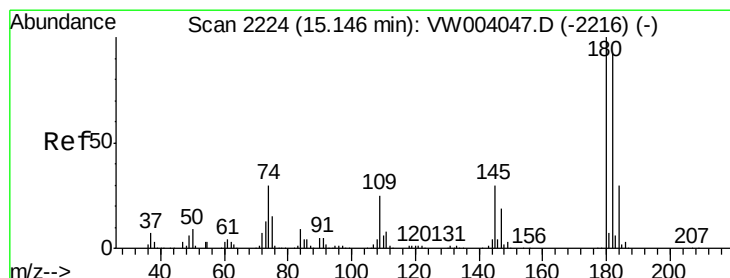
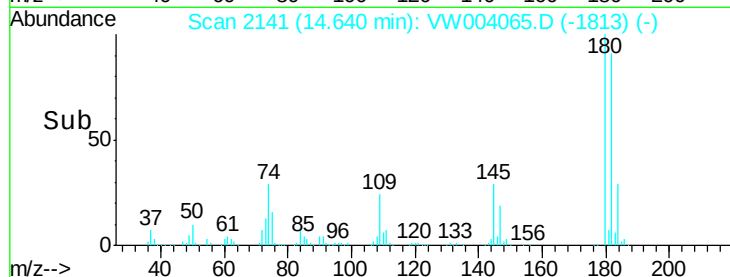
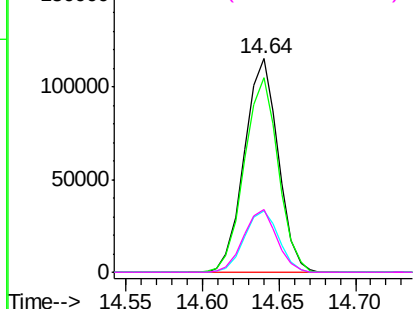
#67
 1,3,5-Trichlorobenzene
 Concen: 26.358 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Tgt Ion:180 Resp: 176703
 Ion Ratio Lower Upper
 180 100
 182 91.7 75.5 113.3
 184 29.4 24.0 36.0
 145 29.1 23.3 34.9

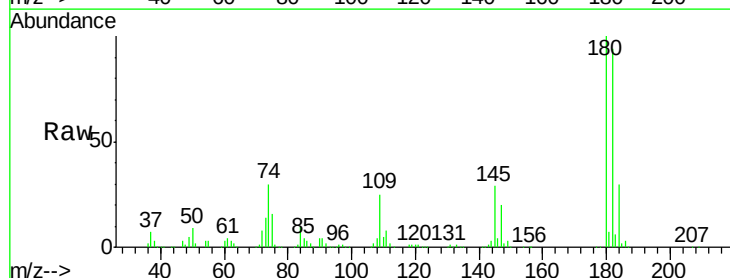


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

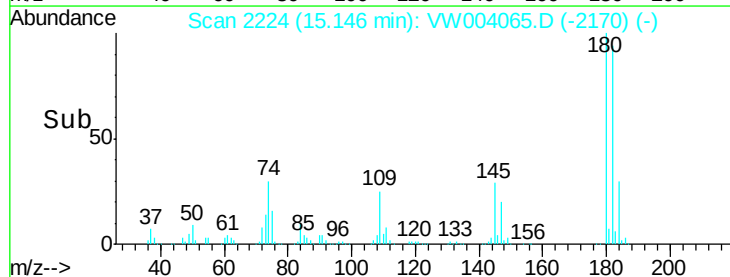
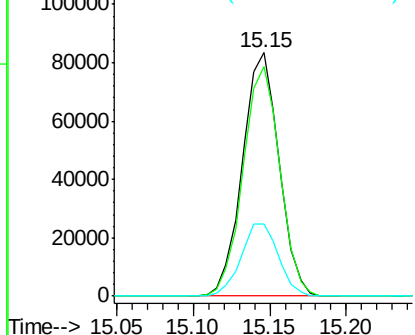


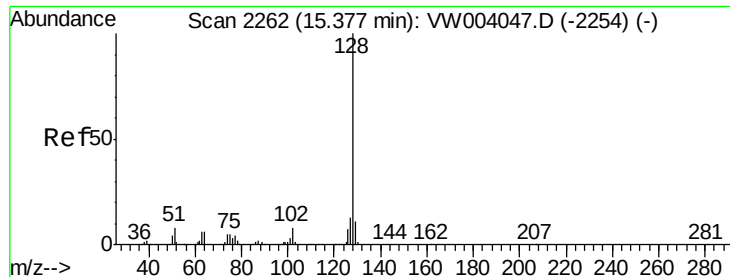
#68
 1,2,4-trichlorobenzene
 Concen: 25.794 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004065.D
 Acq: 20 Jul 2018 05:35

Tgt Ion:180 Resp: 138674
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.8 116.6
 145 30.4 24.4 36.6



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: 27.925 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

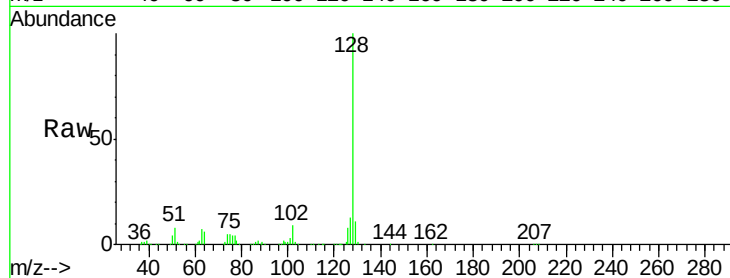
Tgt Ion:128 Resp: 338023

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

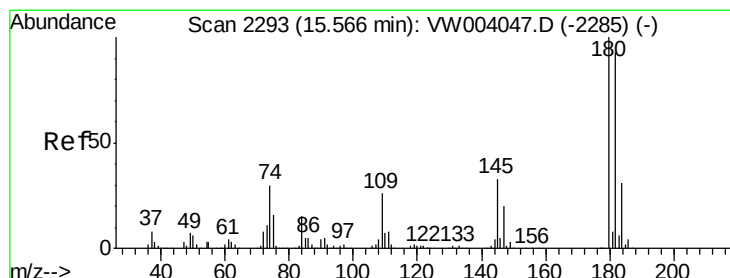
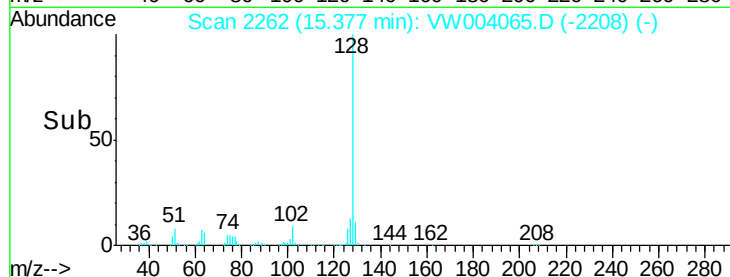
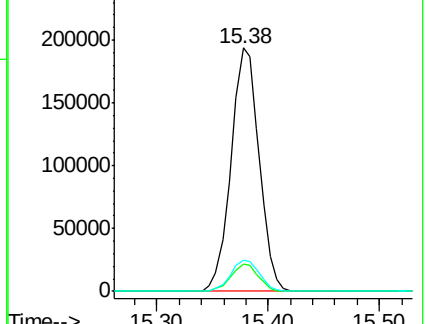
127 13.3 10.9 16.3



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: 27.026 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004065.D

Acq: 20 Jul 2018 05:35

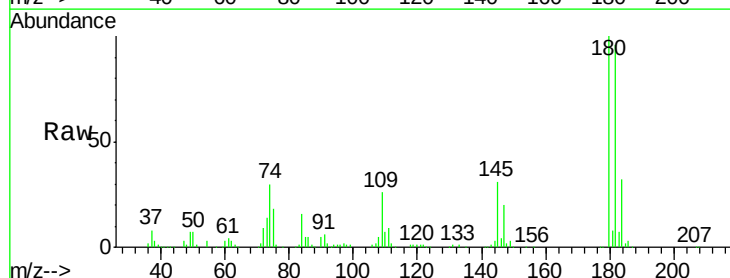
Tgt Ion:180 Resp: 138243

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 31.5 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

