

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004382.D
 Acq On : 01 Aug 2018 21:07
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Quant Time: Aug 02 03:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	222615	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	212235	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	118434	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	47796	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.24%
7) Chloroethane-d5	2.89	69	43689	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.00%
10) 1,1-Dichloroethene-d2	4.01	63	129050	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.08%
20) 2-Butanone-d5	7.09	46	41589	38.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.34%
24) Chloroform-d	7.65	84	130602	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	74262	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.27	84	243803	22.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.96%
33) 1,2-Dichloropropane-d6	9.28	67	70023	20.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.48%
37) Toluene-d8	10.33	98	234836	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	10.59	79	37189	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	37838	43.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.80%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	77338	21.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	107204	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	46628	22.939	ug/L	92
3) Chloromethane	2.22	50	48856	25.327	ug/L	96
5) Vinyl chloride	2.37	62	71757	30.133	ug/L	97
6) Bromomethane	2.78	94	49739	29.165	ug/L	98
8) Chloroethane	2.92	64	43758	26.132	ug/L	99
9) Trichlorofluoromethane	3.25	101	41737	20.906	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	78734	26.752	ug/L	99
12) 1,1-Dichloroethene	4.03	96	77866	28.174	ug/L	93
13) Acetone	4.13	43	42336	44.995	ug/L	97
14) Carbon disulfide	4.37	76	209672	25.649	ug/L	100
15) Methyl Acetate	4.68	43	33444	17.827	ug/L	98
16) Methylene chloride	4.91	84	71733	20.387	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	101098	23.289	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	68610	22.872	ug/L	97
19) 1,1-Dichloroethane	6.21	63	116711	22.379	ug/L	97
21) 2-Butanone	7.18	43	46424	36.202	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	78422	23.719	ug/L	96

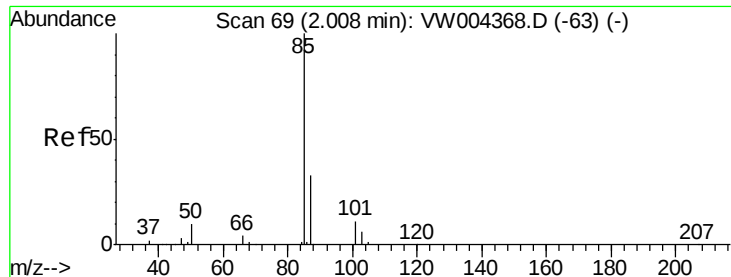
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	38595	24.854	ug/L	96
25) Chloroform	7.68	83	131465	23.959	ug/L	99
27) 1,2-Dichloroethane	8.40	62	90015	24.288	ug/L	97
30) Cyclohexane	7.95	56	100029	19.957	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	107505	23.116	ug/L	99
32) Carbon tetrachloride	8.07	117	108105	23.867	ug/L	98
34) Benzene	8.32	78	275342	22.379	ug/L	100
35) Trichloroethene	9.09	95	75888	23.042	ug/L	98
36) Methylcyclohexane	9.34	83	124889	21.259	ug/L	98
40) 1,2-Dichloropropane	9.37	63	65487	21.219	ug/L	98
41) Bromodichloromethane	9.65	83	96982	24.288	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	109829	22.687	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	92867	37.168	ug/L	96
44) Toluene	10.39	91	300526	22.715	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	103378	23.786	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	59537	23.393	ug/L	95
47) Tetrachloroethene	10.87	164	67712	23.944	ug/L	98
49) 2-Hexanone	10.98	43	69909	37.647	ug/L	96
50) Dibromochloromethane	11.13	129	79502	25.642	ug/L	97
51) 1,2-Dibromoethane	11.24	107	60269	23.893	ug/L	100
52) Chlorobenzene	11.66	112	209911	23.835	ug/L	97
53) Ethylbenzene	11.74	91	350539	23.420	ug/L	96
54) m,p-Xylene	11.85	106	137099	24.215	ug/L	99
55) o-xylene	12.17	106	132130	24.709	ug/L	93
56) Styrene	12.19	104	236608	25.561	ug/L	96
57) Isopropylbenzene	12.47	105	367415	24.506	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	76560	21.911	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58112	21.601	ug/L	98
62) Bromoform	12.35	173	54062	24.470	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	182758	23.924	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	187599	23.869	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	176534	24.444	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15261	21.446	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	149826	24.738	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	125069	24.316	ug/L	99
69) Naphthalene	15.38	128	267683	23.028	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	118827	24.967	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 22.939 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

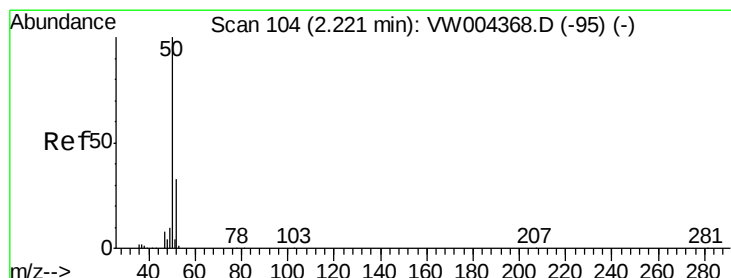
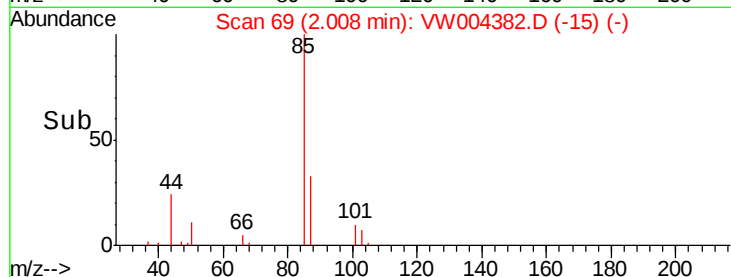
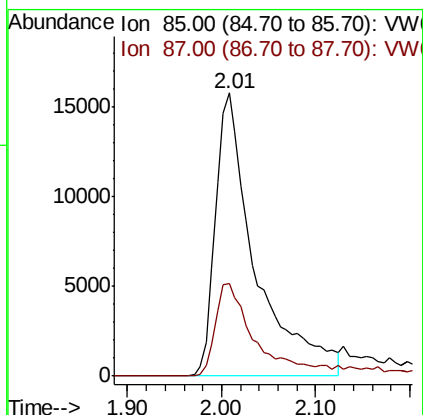
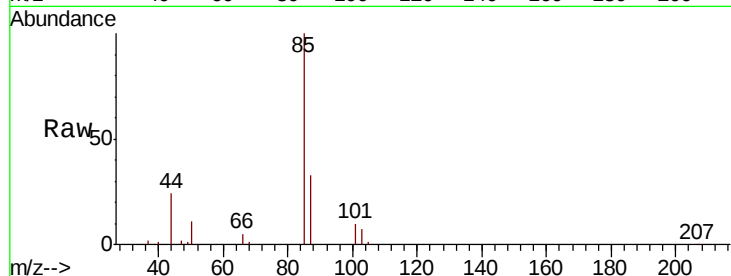
VSTD02587

Tot Ion: 85 Resp: 46628

Ion Ratio Lower Upper

85 100

87 27.3 22.1 41.1



#3

Chloromethane

Concen: 25.327 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.01 min

Lab File: VW004382.D

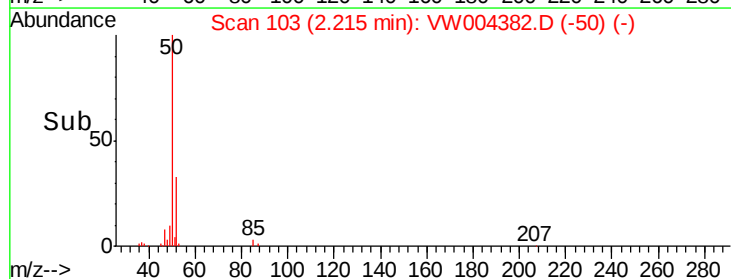
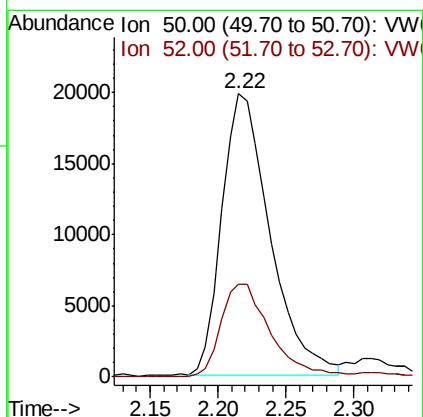
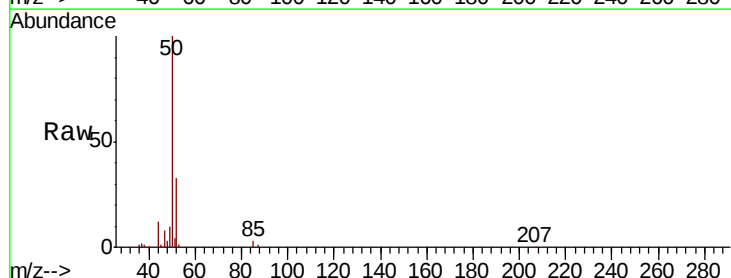
Acq: 01 Aug 2018 21:07

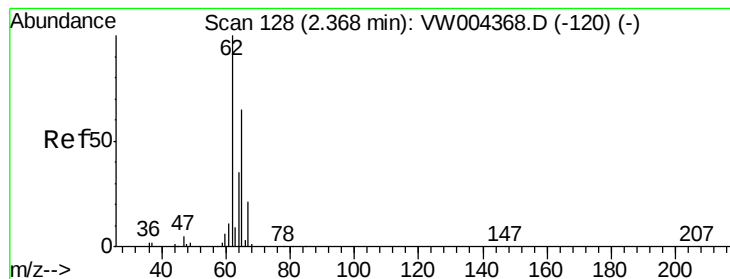
Tgt Ion: 50 Resp: 48856

Ion Ratio Lower Upper

50 100

52 32.8 21.6 40.0





#5

Vinyl chloride

Concen: 30.133 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampled :

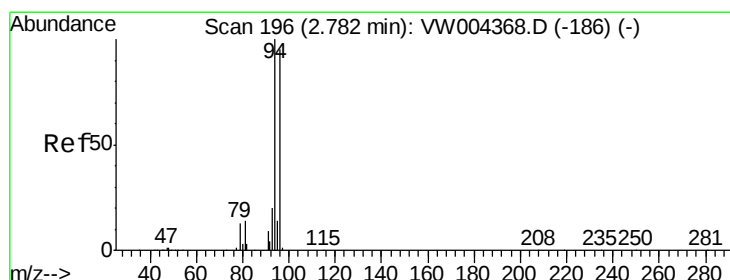
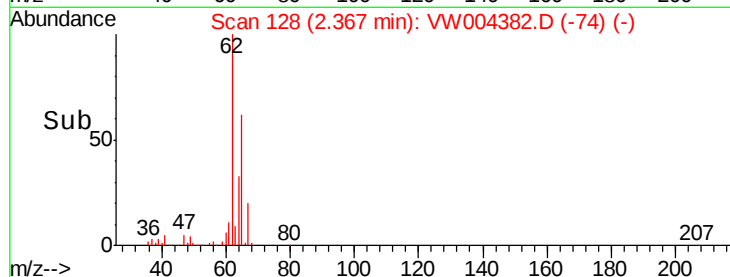
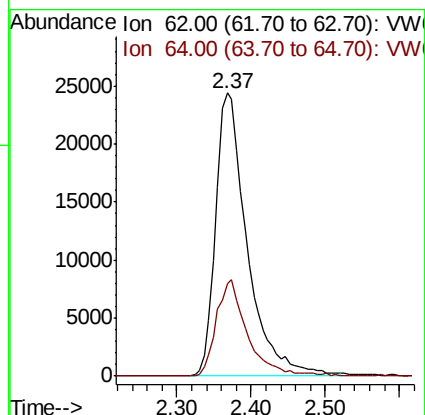
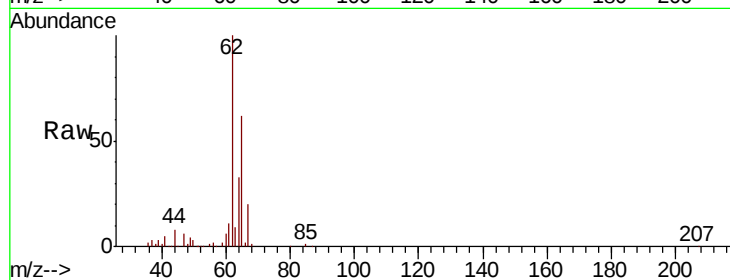
VSTD02587

Tot Ion: 62 Resp: 71757

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



#6

Bromomethane

Concen: 29.165 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004382.D

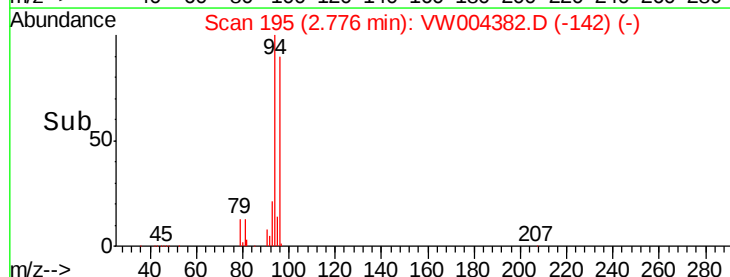
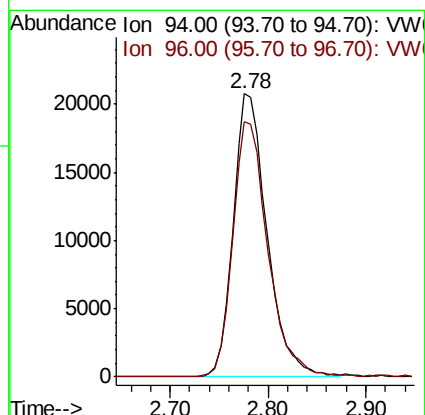
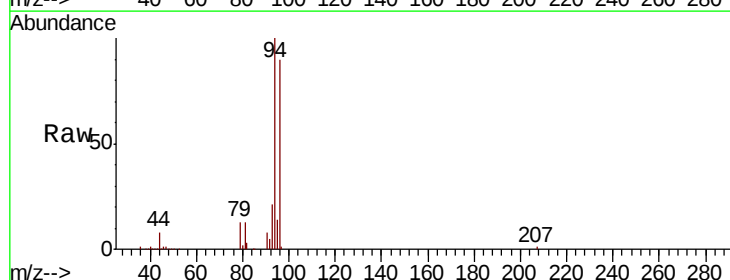
Acq: 01 Aug 2018 21:07

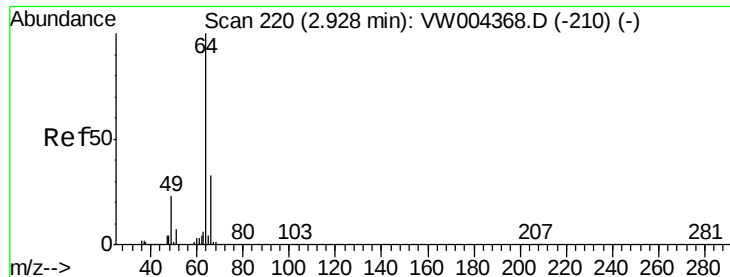
Tgt Ion: 94 Resp: 49739

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.1





#8

Chloroethane

Concen: 26.132 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

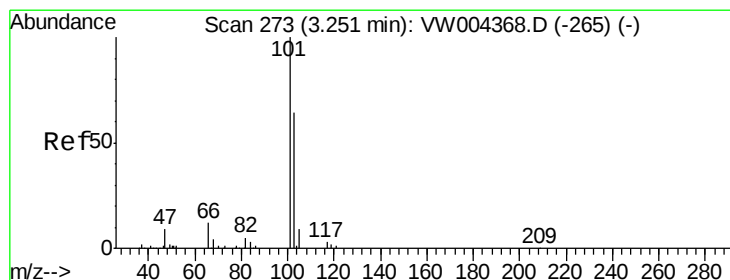
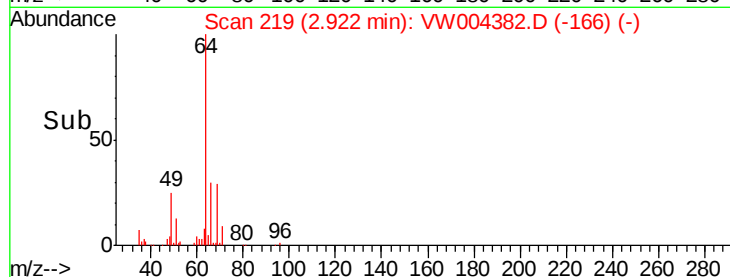
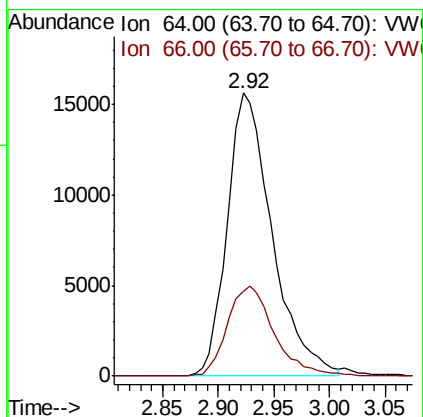
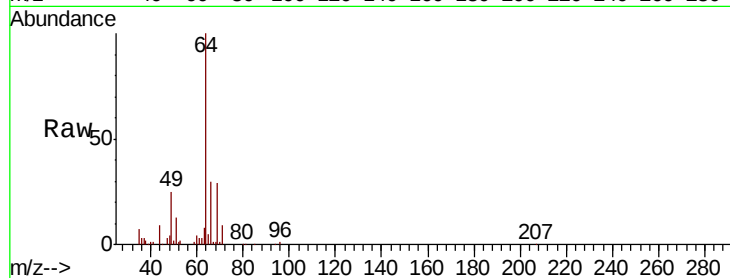
VSTD02587

Tot Ion: 64 Resp: 43758

Ion Ratio Lower Upper

64 100

66 30.0 21.5 39.9



#9

Trichlorofluoromethane

Concen: 20.906 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW004382.D

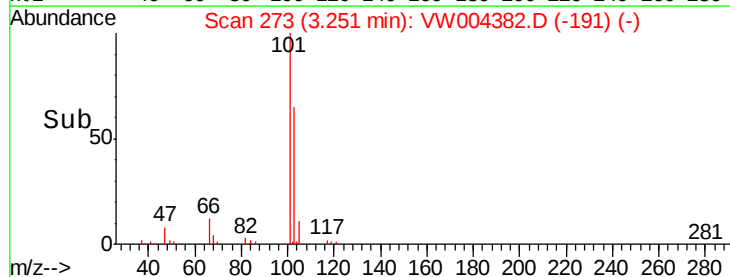
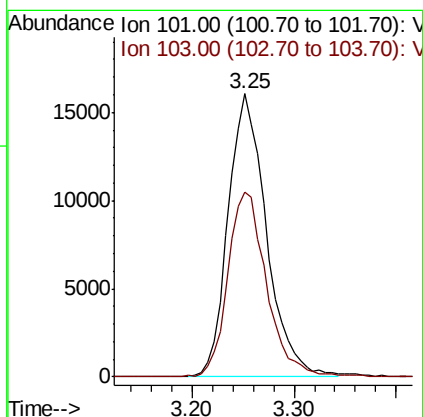
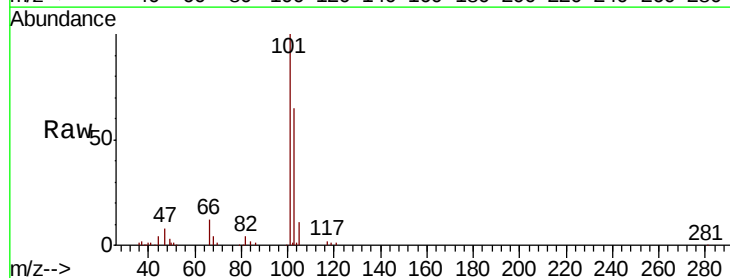
Acq: 01 Aug 2018 21:07

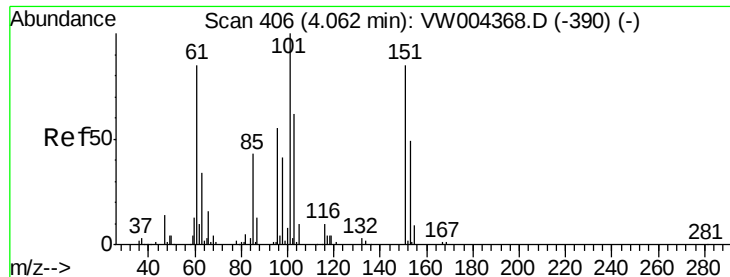
Tgt Ion: 101 Resp: 41737

Ion Ratio Lower Upper

101 100

103 65.8 45.3 84.1





#11

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

Concen: 26.752 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

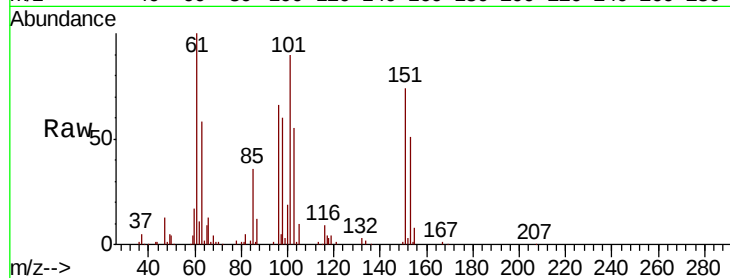
Tot Ion:101 Resp: 78734

Ion Ratio Lower Upper

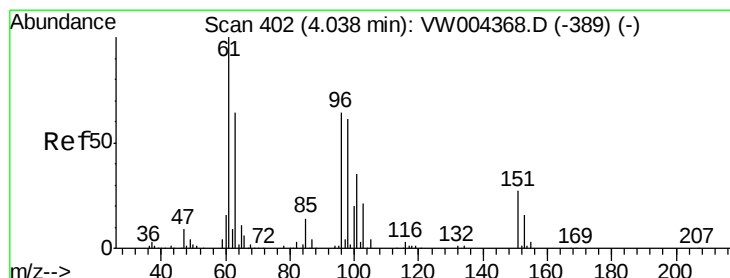
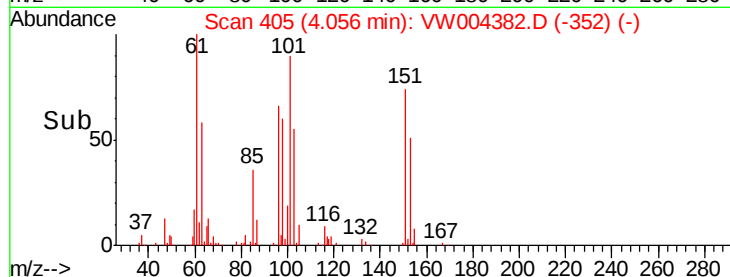
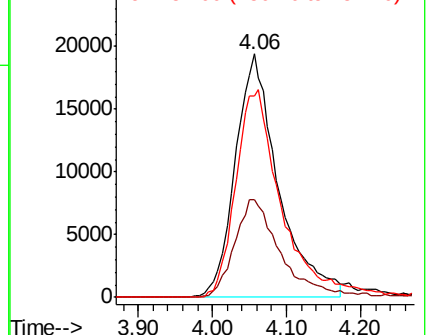
101 100

85 41.7 32.4 48.6

151 85.8 69.2 103.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 28.174 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

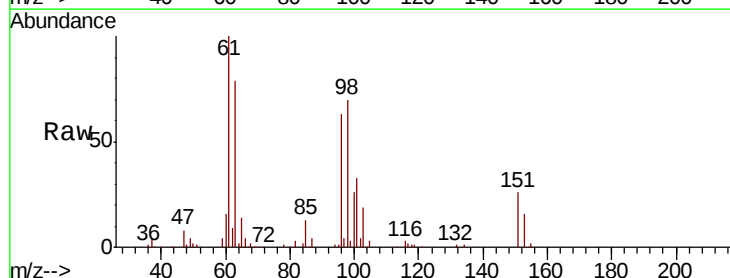
Tgt Ion: 96 Resp: 77866

Ion Ratio Lower Upper

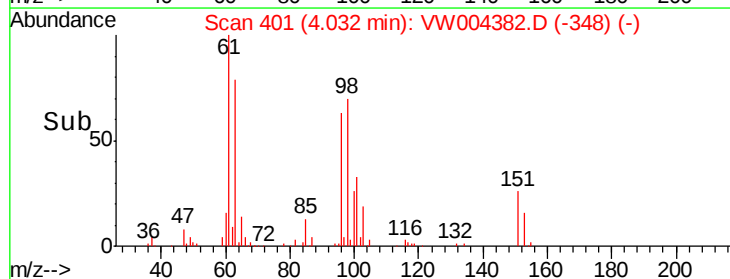
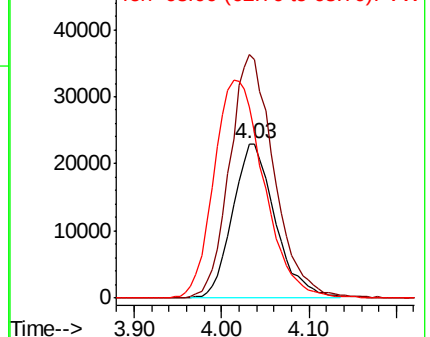
96 100

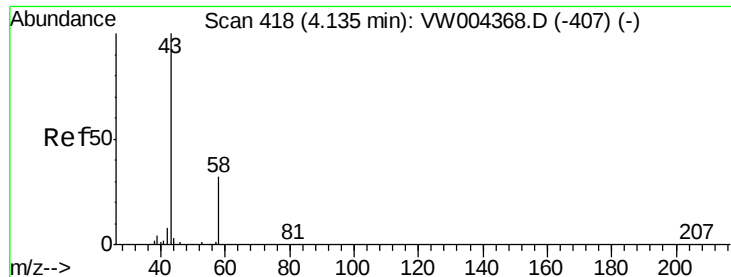
61 157.8 115.4 214.4

63 123.9 94.4 175.2



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: 44.995 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

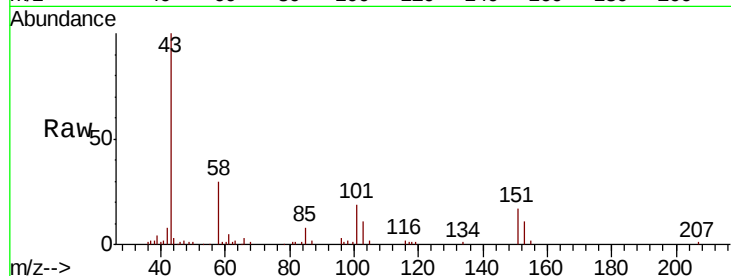
VSTD02587

Tot Ion: 43 Resp: 42336

Ion Ratio Lower Upper

43 100

58 30.9 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

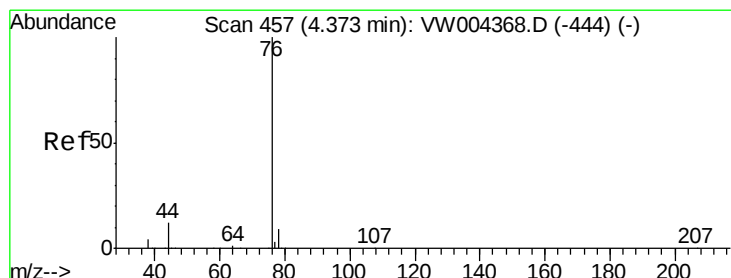
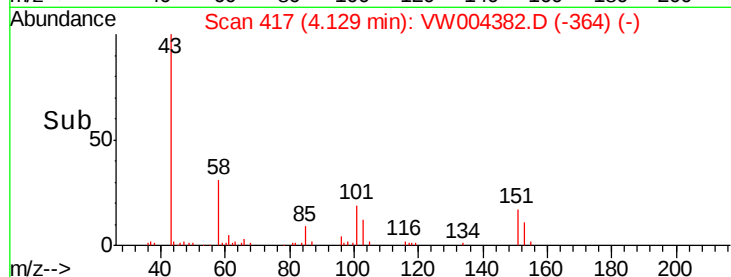
15000

10000

5000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 25.649 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004382.D

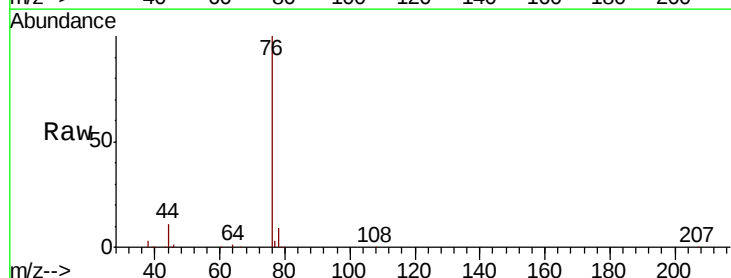
Acq: 01 Aug 2018 21:07

Tgt Ion: 76 Resp: 209672

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

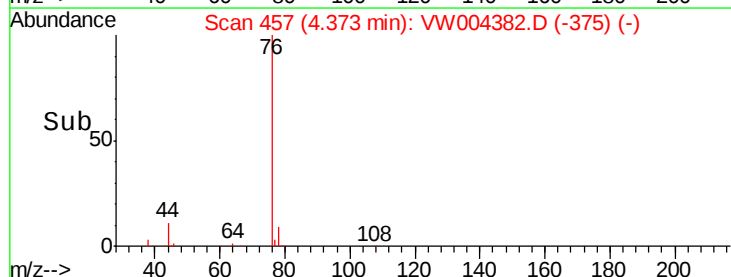
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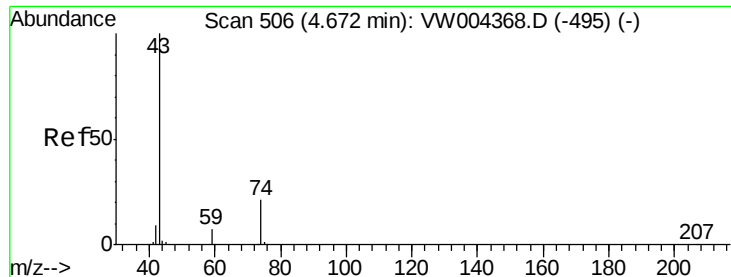
40000

20000

0

Time--> 4.20 4.30 4.40 4.50 4.60

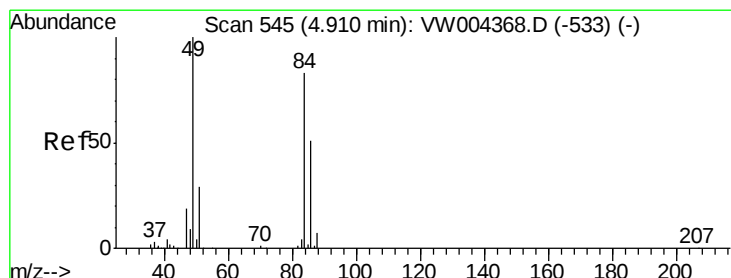
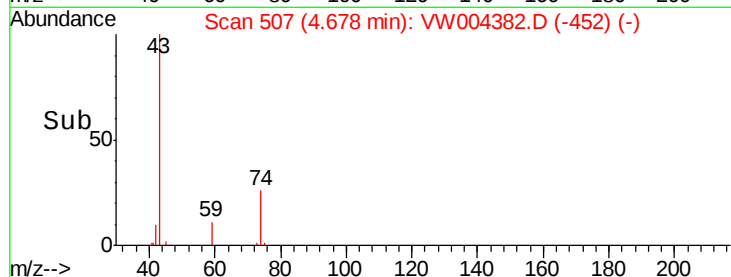
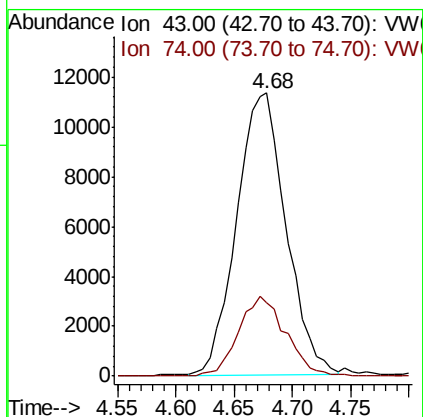
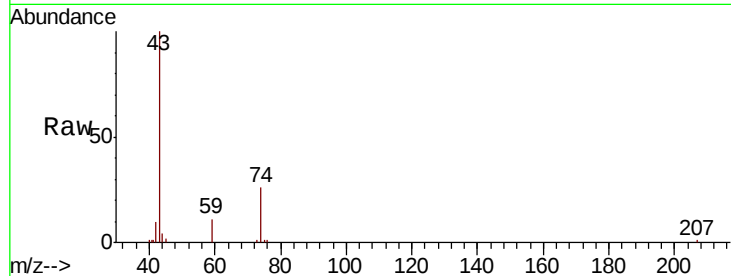




#15
Methvl Acetate
Concen: 17.827 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

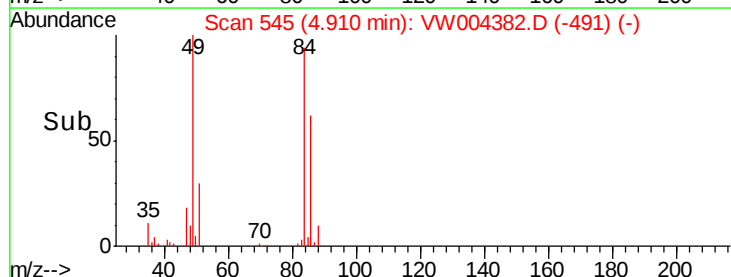
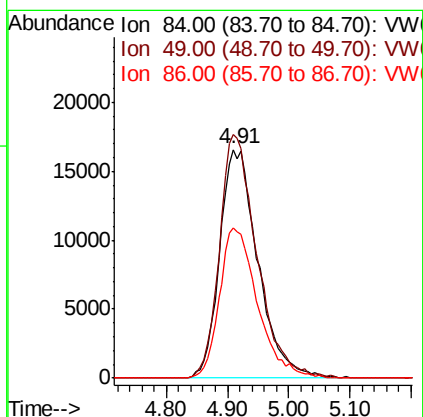
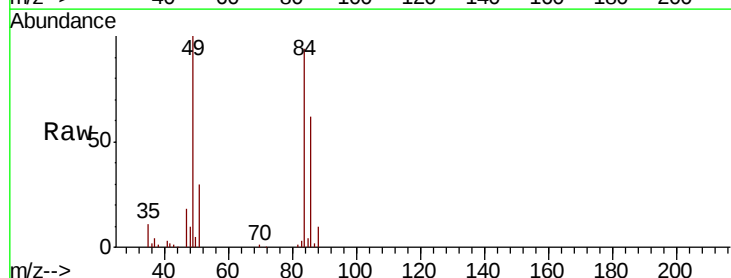
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

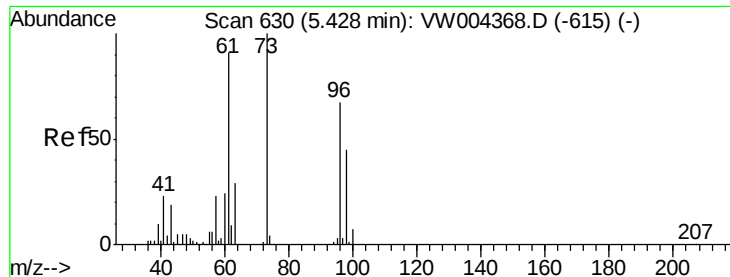
Tot Ion: 43 Resp: 33444
Ion Ratio Lower Upper
43 100
74 26.8 20.6 31.0



#16
Methylene chloride
Concen: 20.387 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 84 Resp: 71733
Ion Ratio Lower Upper
84 100
49 106.6 79.5 147.7
86 65.9 45.8 85.2

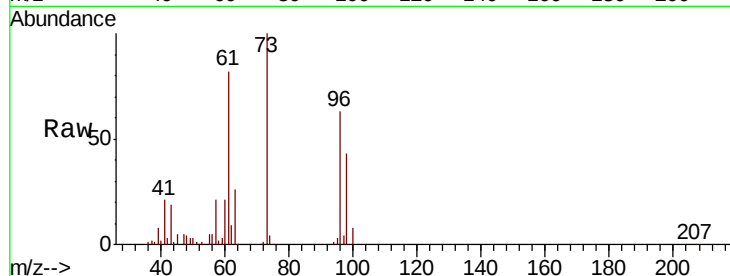




#17
Methvl tert-butvl Ether
Concen: 23.289 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

Tot Ion	73	Resp	101098
Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.1	22.7
57	20.4	17.1	25.7

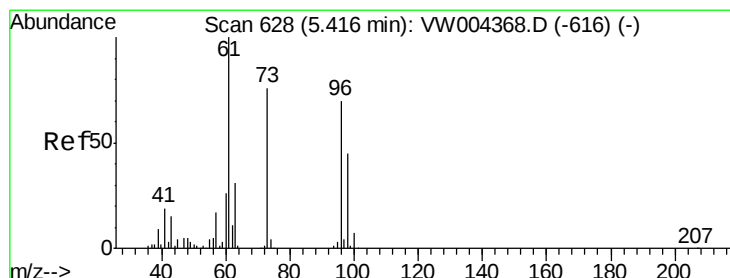
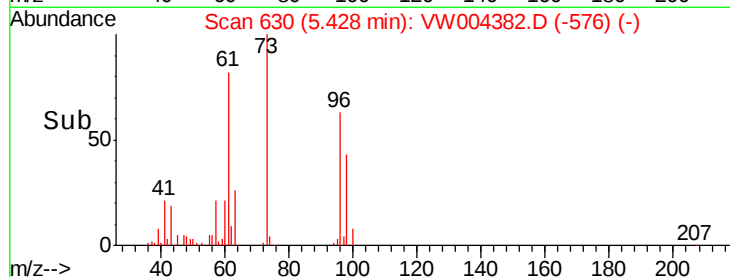
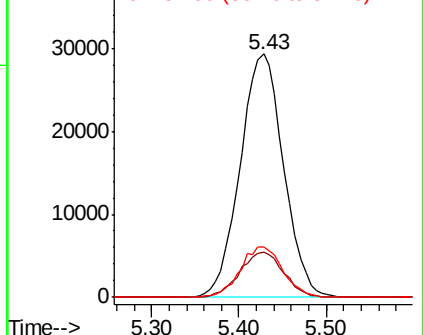


Abundance

Ion 73.00 (72.70 to 73.70): VW

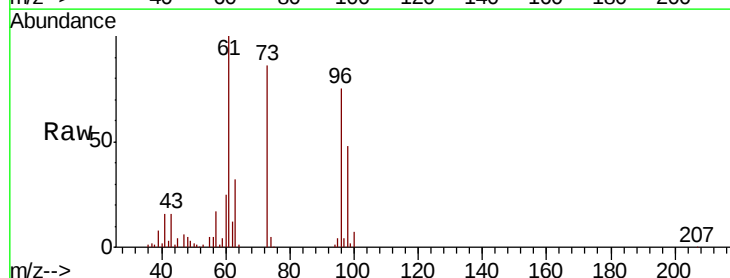
Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18
trans-1,2-Dichloroethene
Concen: 22.872 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion	96	Resp	68610
Ion	Ratio	Lower	Upper
96	100		
61	132.6	93.7	174.1
98	64.3	41.9	77.7

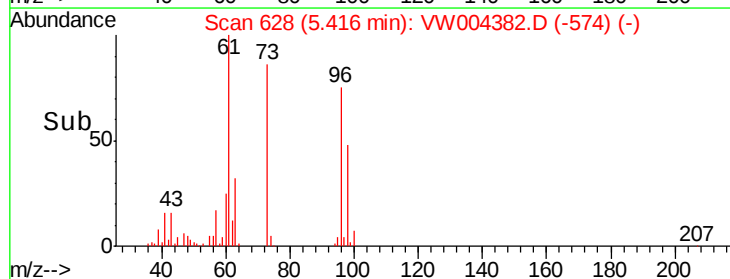
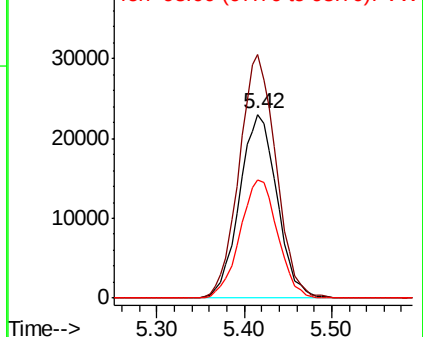


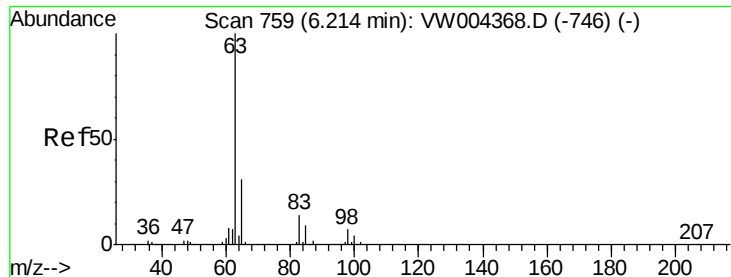
Abundance

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

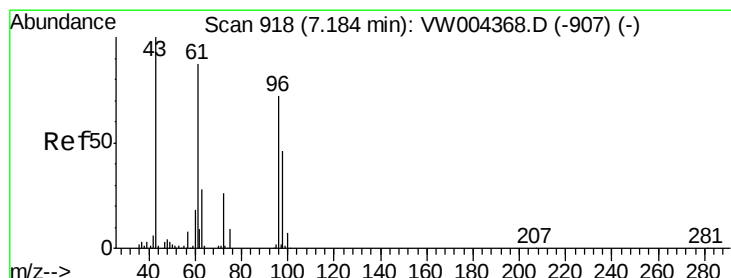
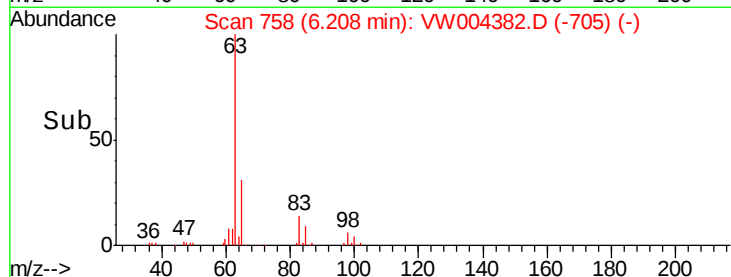
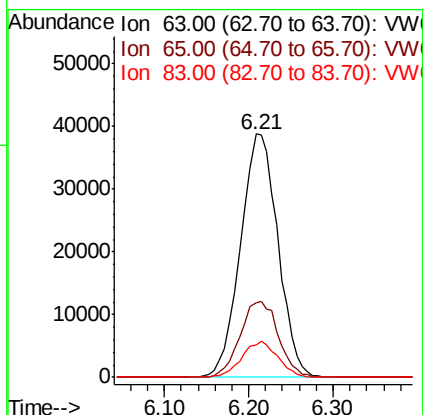
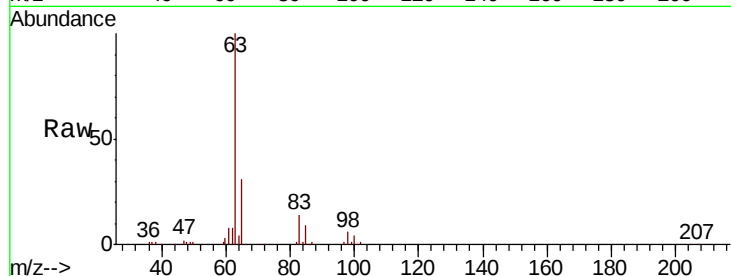




#19
 1,1-Dichloroethane
 Concen: 22.379 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

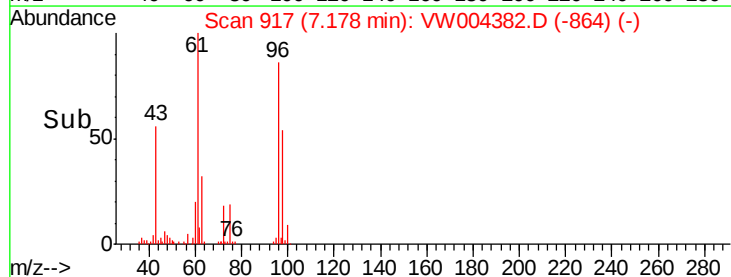
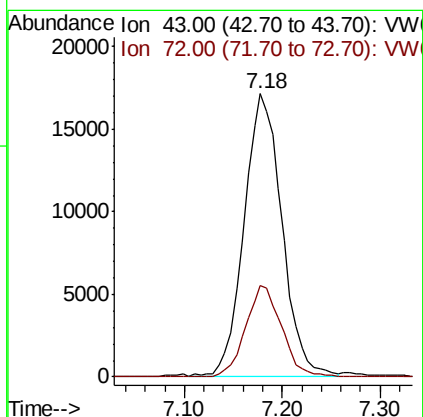
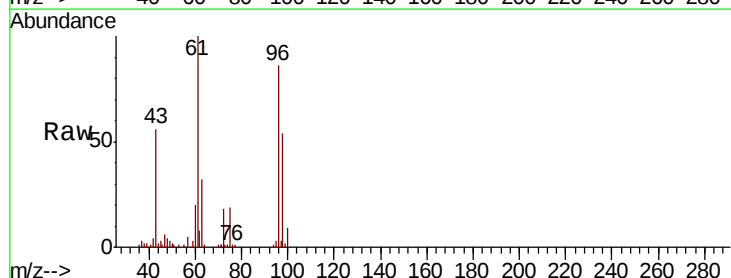
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

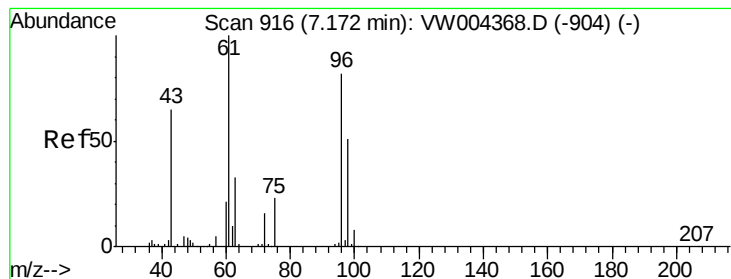
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.0	42.8
83	13.5	10.3	19.1



#21
 2-Butanone
 Concen: 36.202 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.5	14.4	43.2



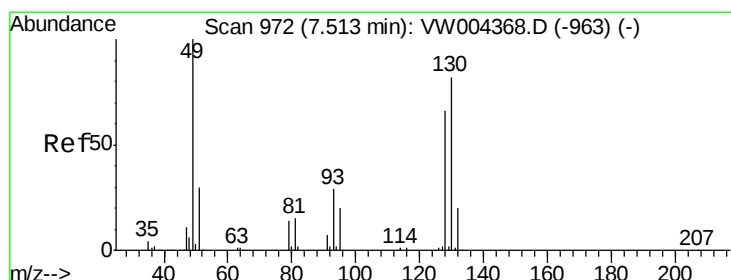
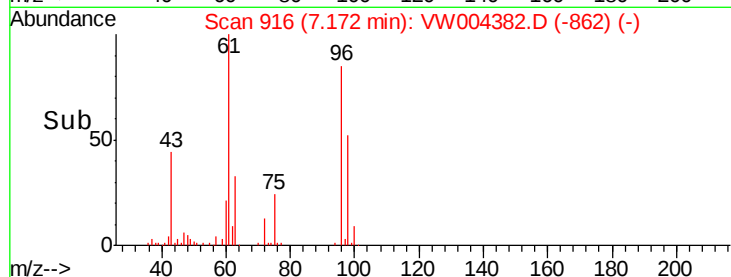
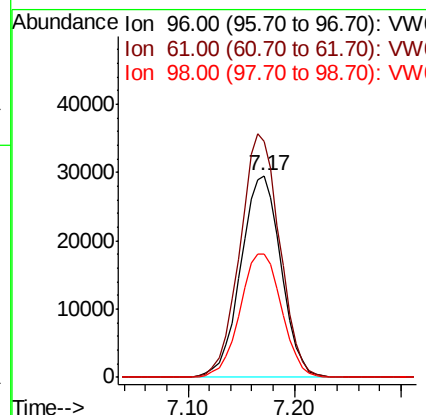
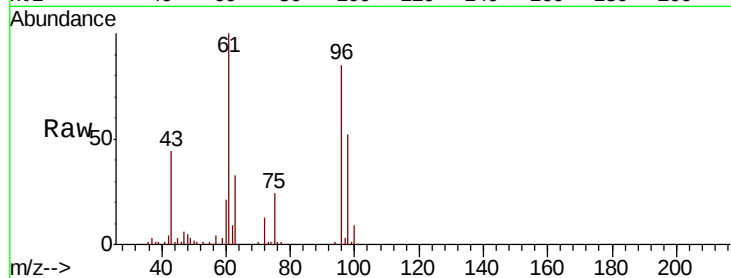


#22

cis-1,2-Dichloroethene
 Concen: 23.719 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

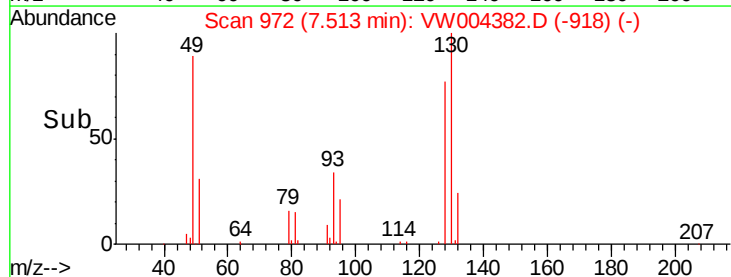
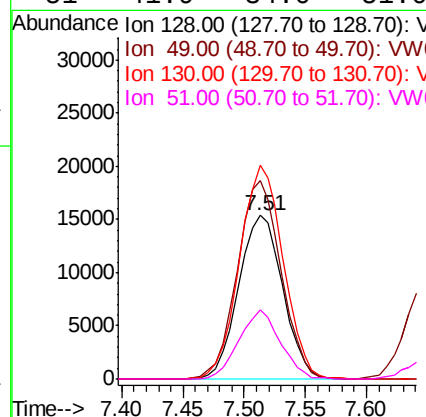
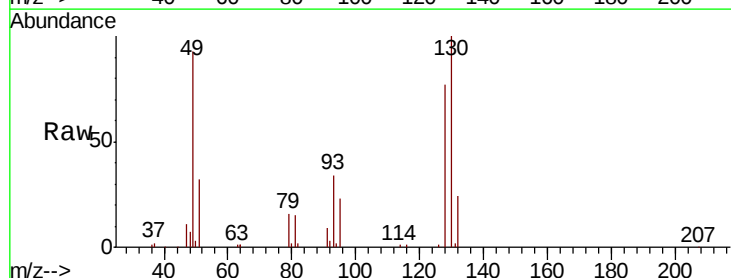
Tot Ion: 96 Resp: 78422
 Ion Ratio Lower Upper
 96 100
 61 117.4 85.7 159.1
 98 61.1 43.8 81.3

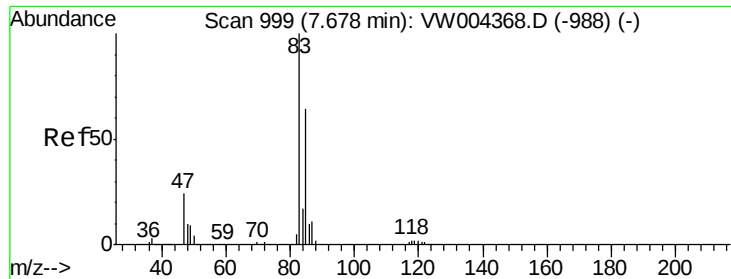


#23

Bromochloromethane
 Concen: 24.854 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion: 128 Resp: 38595
 Ion Ratio Lower Upper
 128 100
 49 121.6 90.9 168.7
 130 130.5 93.8 174.2
 51 41.9 34.0 51.0

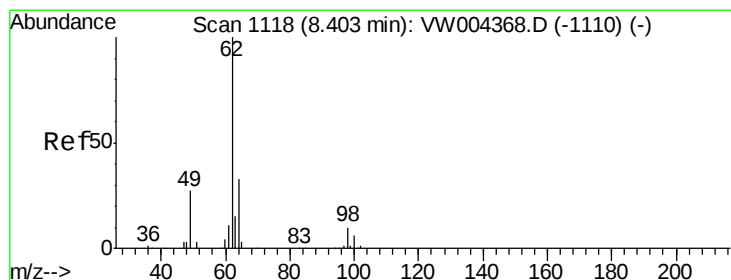
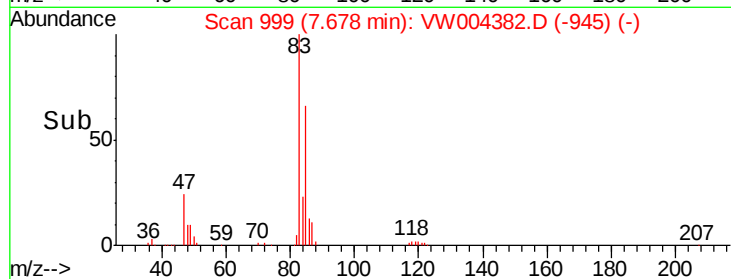
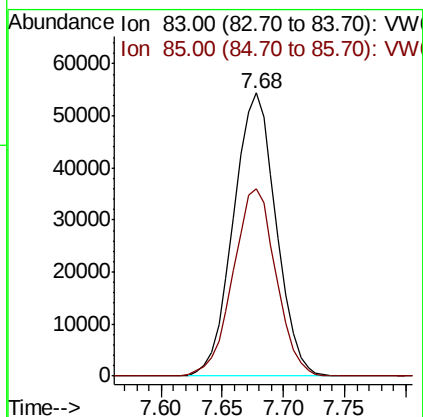
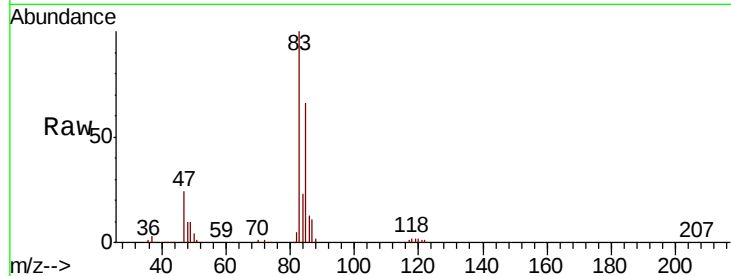




#25
Chloroform
Concen: 23.959 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

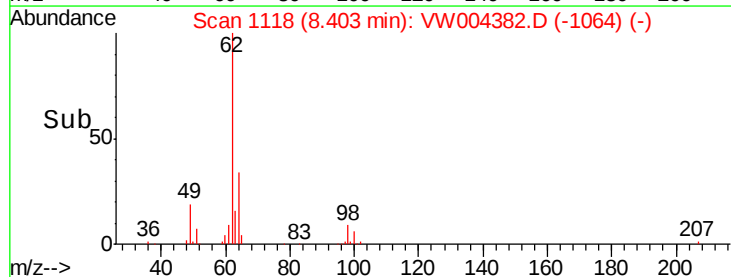
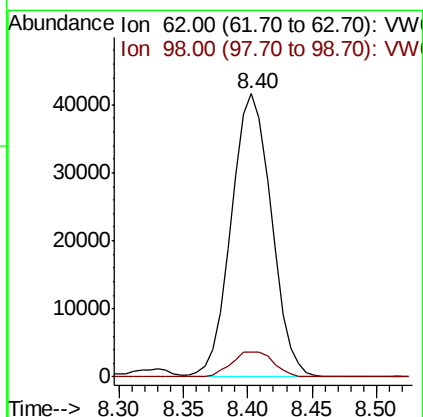
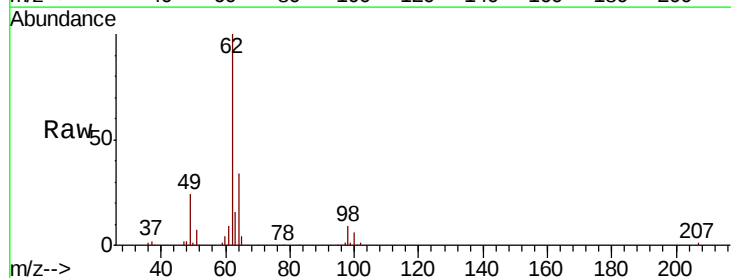
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

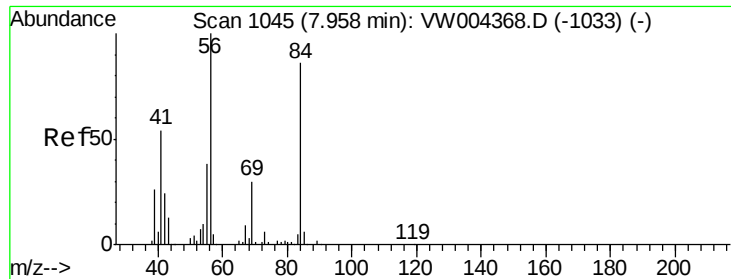
Tot Ion: 83 Resp: 131465
Ion Ratio Lower Upper
83 100
85 66.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 24.288 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 62 Resp: 90015
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.8

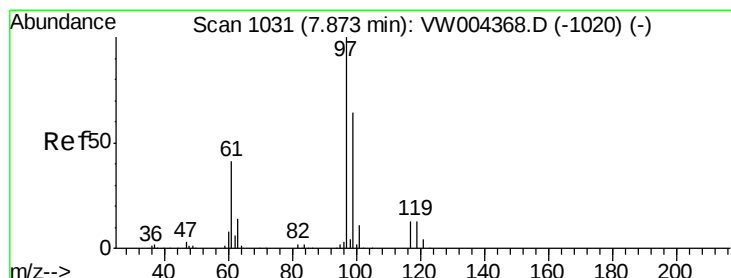
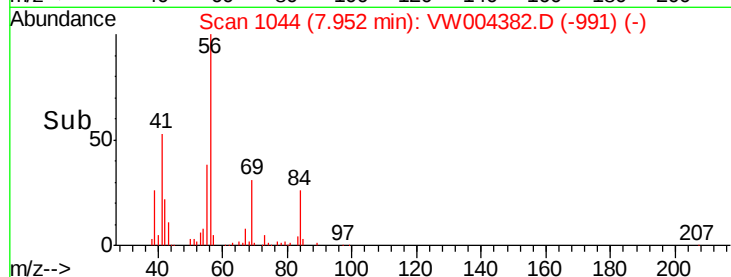
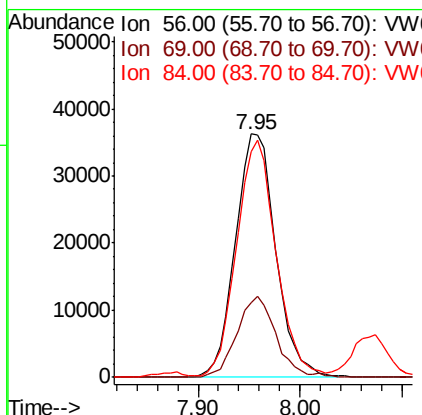
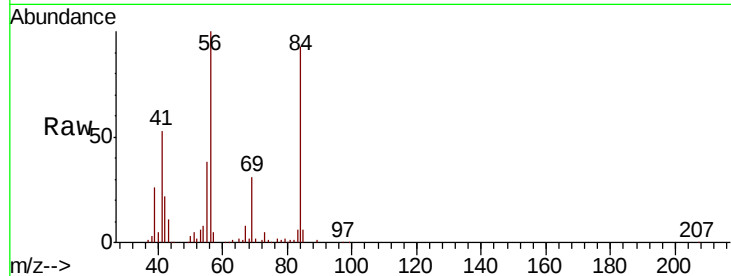




#30
Cyclohexane
Concen: 19.957 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

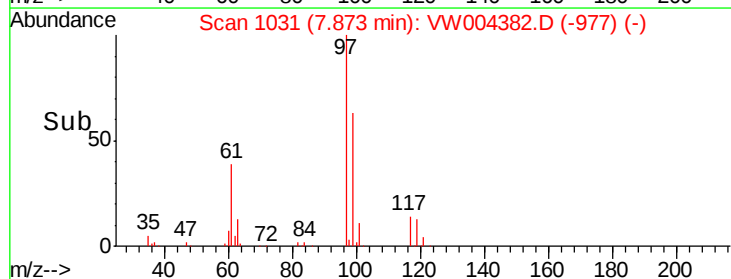
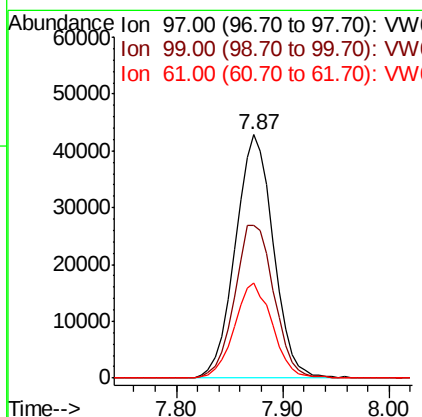
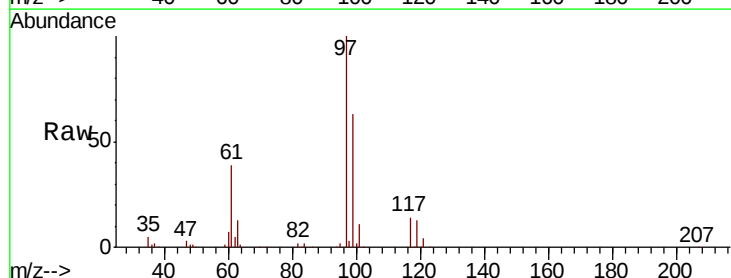
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

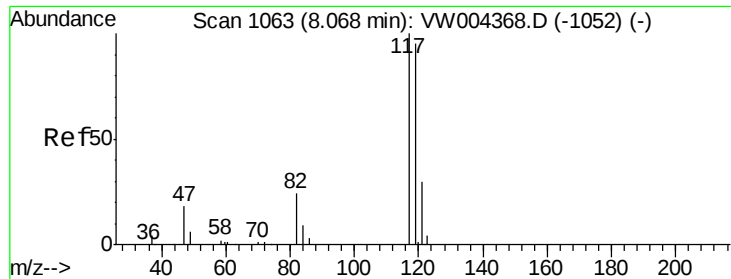
Tot Ion: 56 Resp: 100029
Ion Ratio Lower Upper
56 100
69 31.7 25.7 38.5
84 95.1 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 23.116 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 97 Resp: 107505
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 39.2 32.2 48.2





#32

Carbon tetrachloride

Concen: 23.867 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

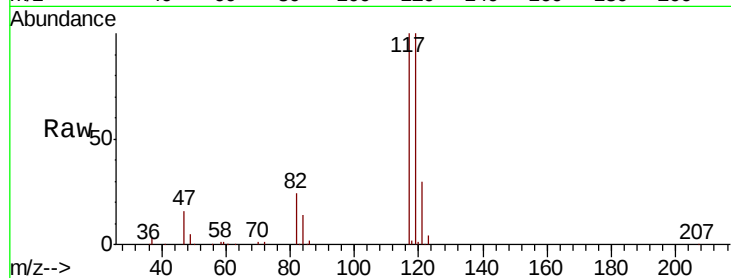
VSTD02587

Tot Ion:117 Resp: 108105

Ion Ratio Lower Upper

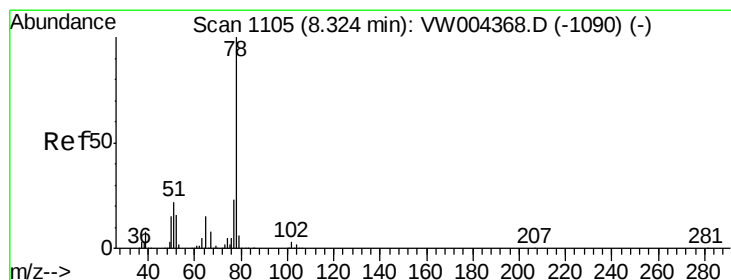
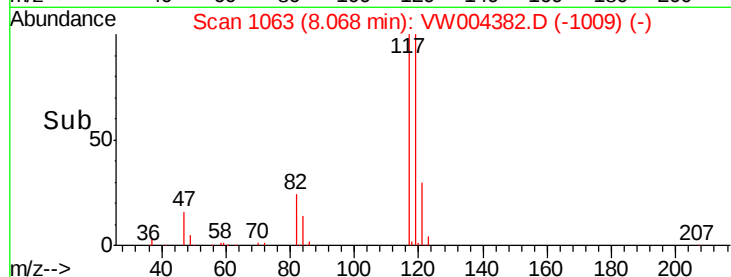
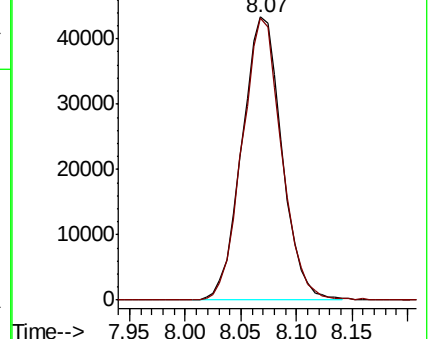
117 100

119 98.1 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.379 ug/L

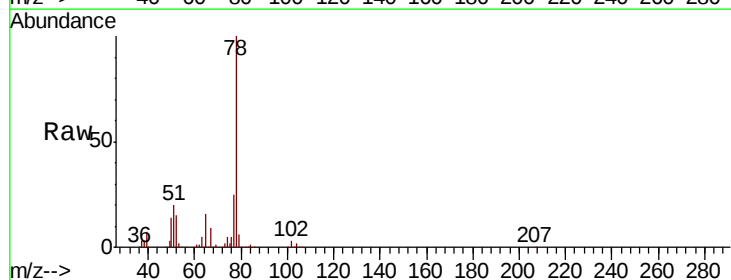
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

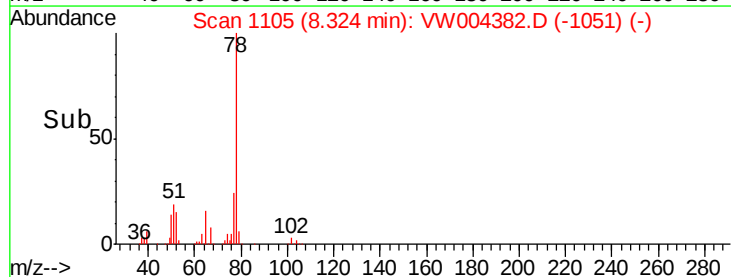
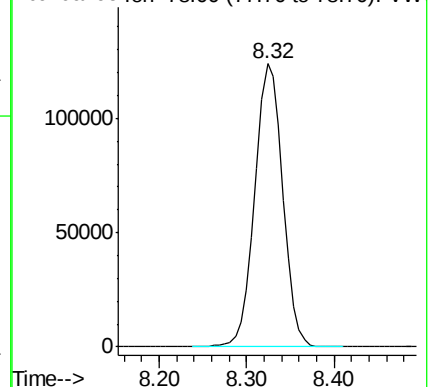
Lab File: VW004382.D

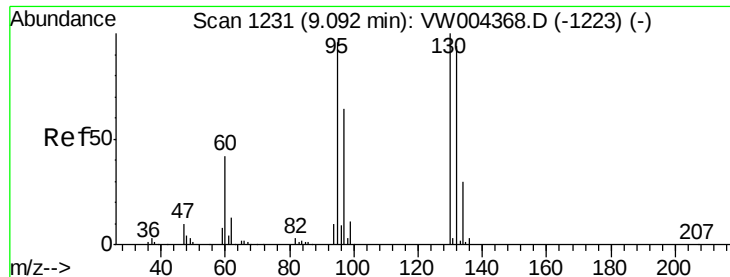
Acq: 01 Aug 2018 21:07

Tgt Ion: 78 Resp: 275342



Abundance Ion 78.00 (77.70 to 78.70): VW

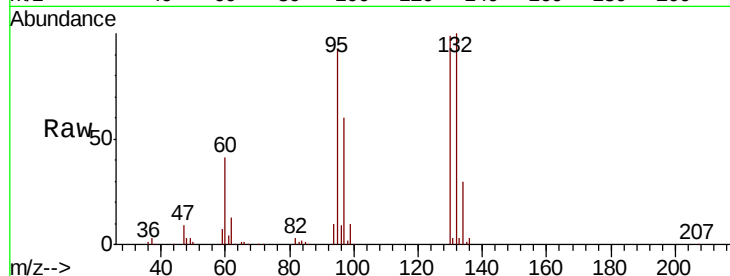




#35
 Trichloroethene
 Concen: 23.042 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Tot Ion:	95	Resp:	75888
Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.6	84.6
132	103.7	71.2	132.2
130	107.0	73.9	137.3



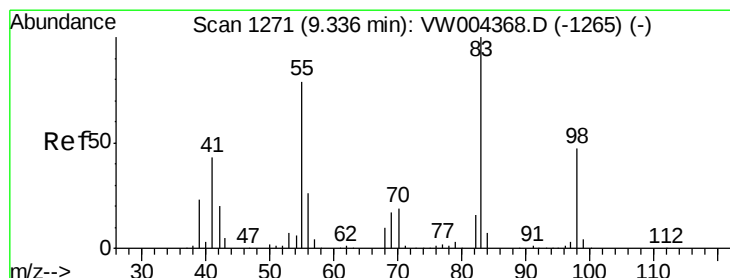
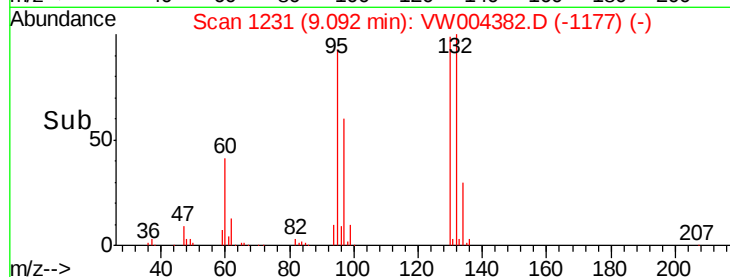
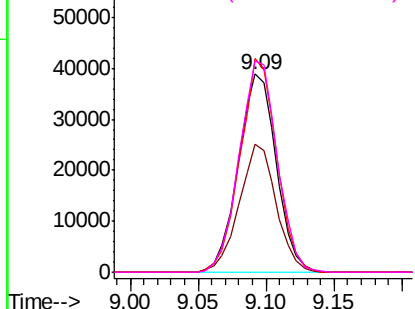
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

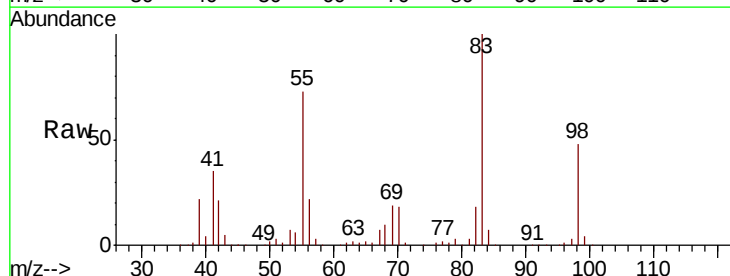
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 21.259 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion:	83	Resp:	124889
Ion	Ratio	Lower	Upper
83	100		
55	71.5	58.2	87.2
98	48.6	37.7	56.5

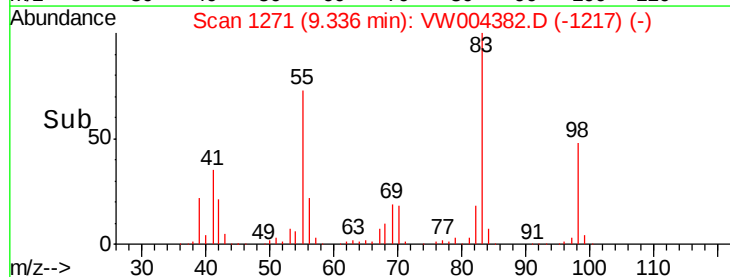
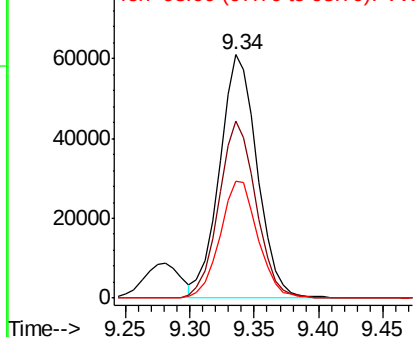


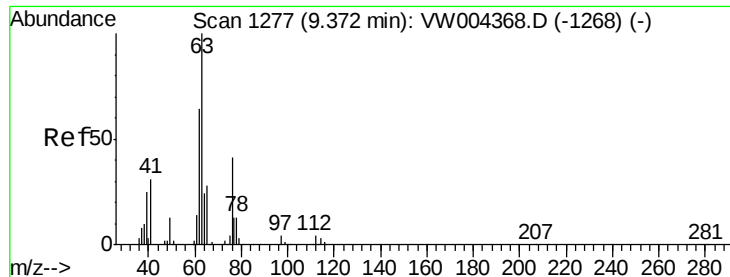
Abundance

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

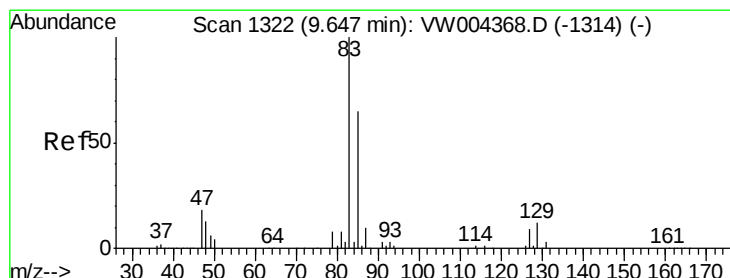
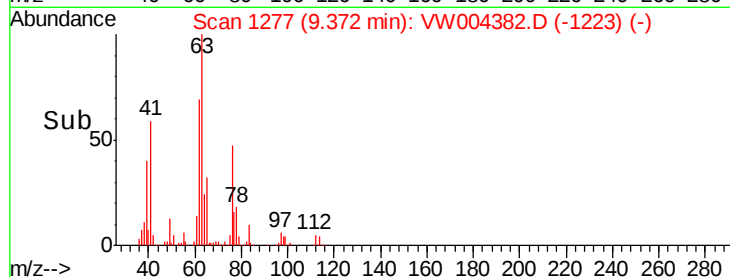
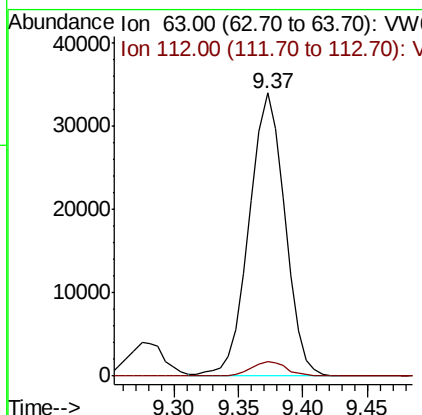
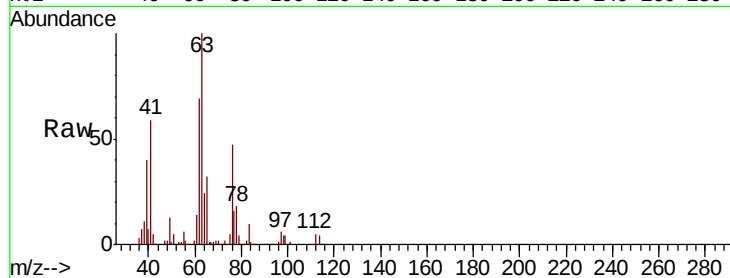




#40
 1,2-Dichloropropane
 Concen: 21.219 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

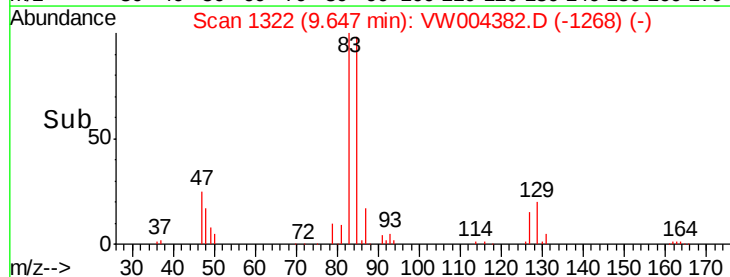
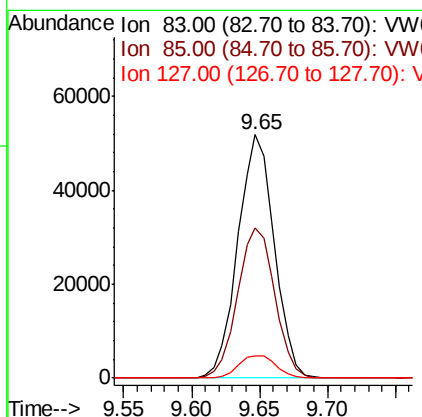
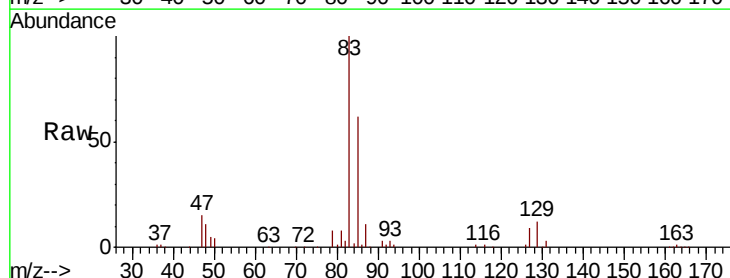
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

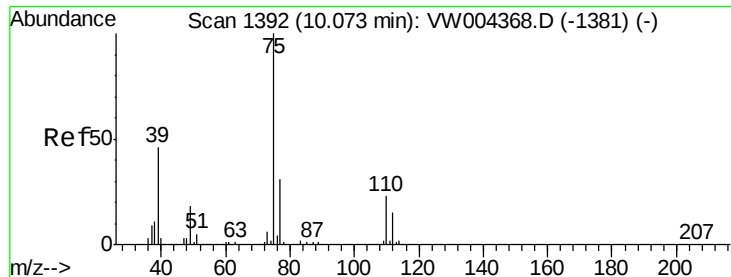
Tot Ion: 63 Resp: 65487
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.4 5.2



#41
 Bromodichloromethane
 Concen: 24.288 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion: 83 Resp: 96982
 Ion Ratio Lower Upper
 83 100
 85 61.7 44.9 83.3
 127 9.3 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 22.687 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

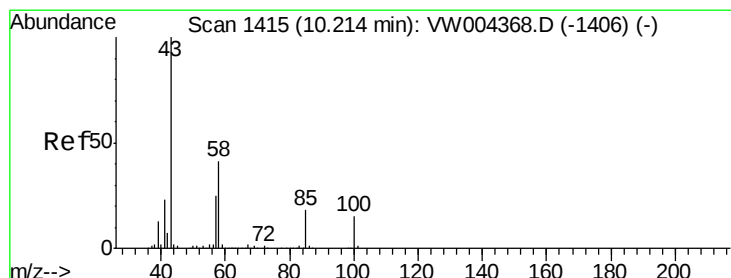
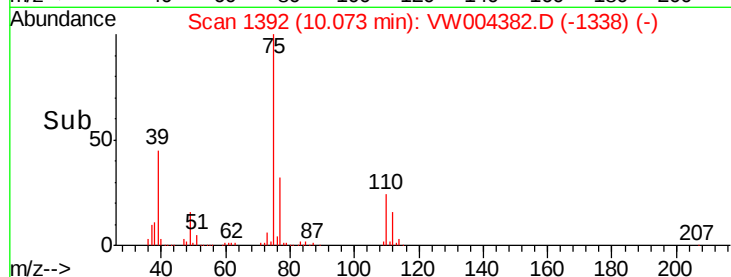
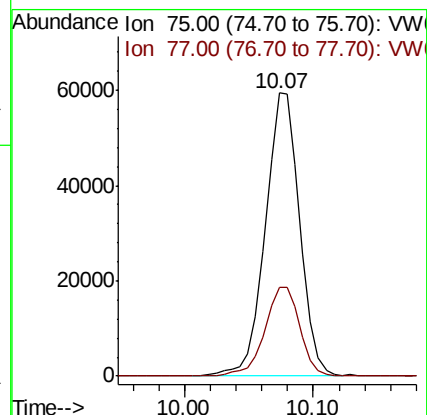
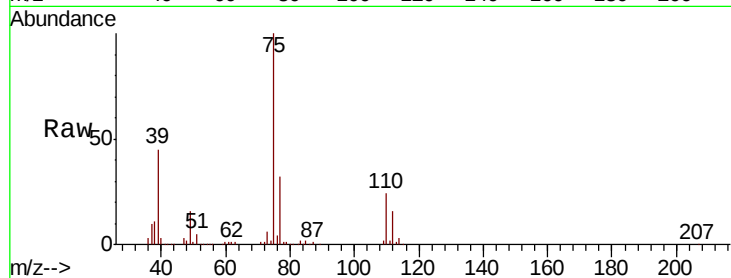
VSTD02587

Tot Ion: 75 Resp: 109829

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 37.168 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

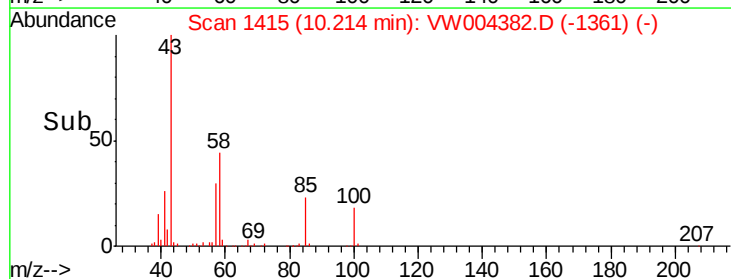
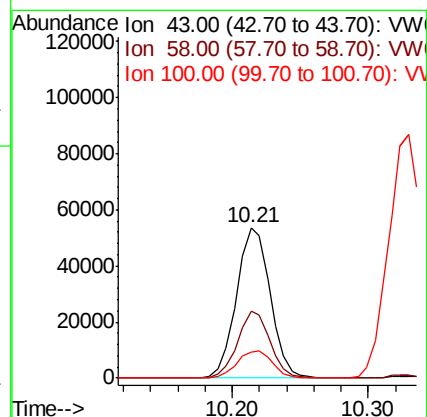
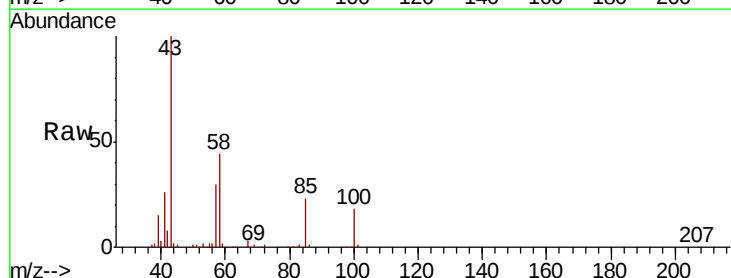
Tgt Ion: 43 Resp: 92867

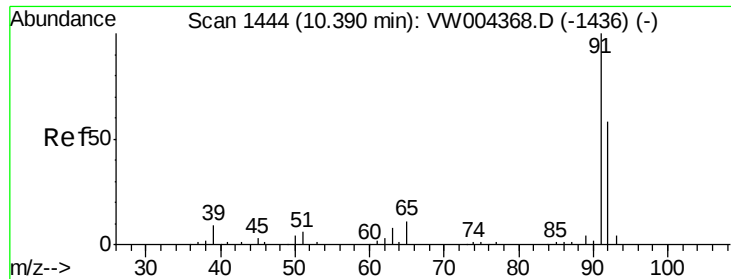
Ion Ratio Lower Upper

43 100

58 42.8 32.3 48.5

100 18.7 13.9 20.9





#44

Toluene

Concen: 22.715 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

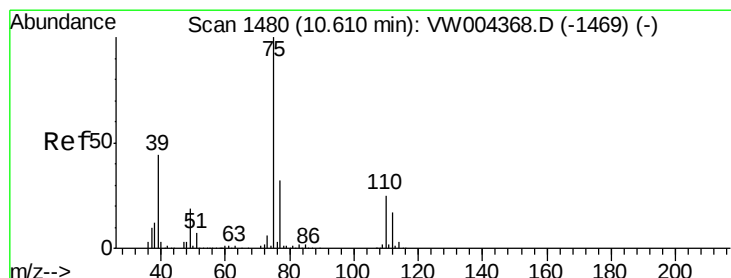
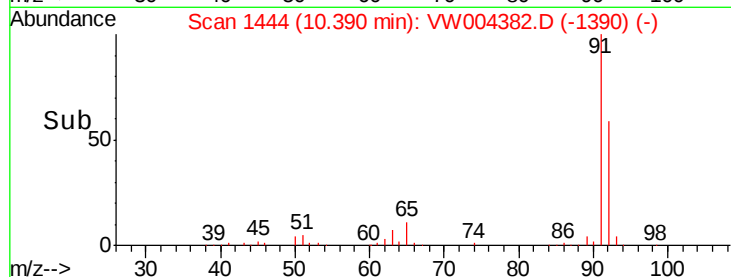
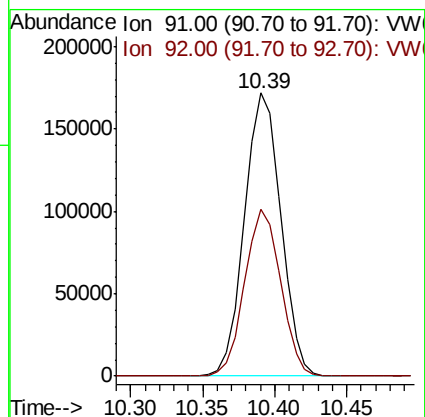
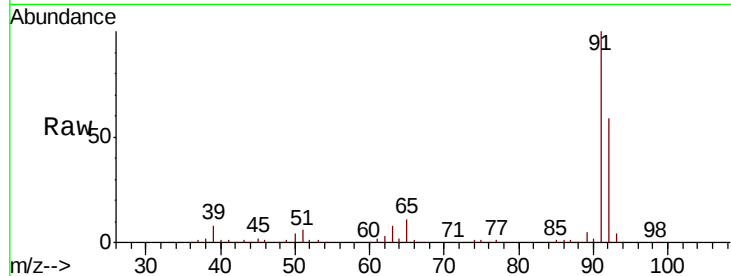
VSTD02587

Tot Ion: 91 Resp: 300526

Ion Ratio Lower Upper

91 100

92 59.1 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 23.786 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004382.D

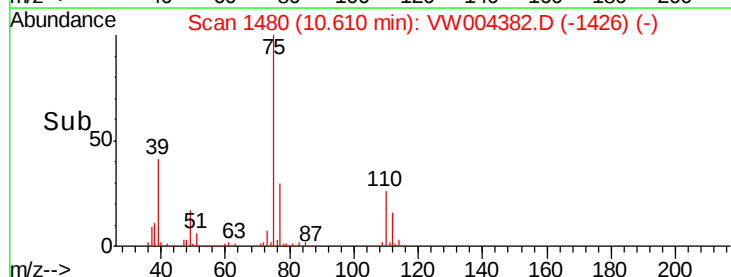
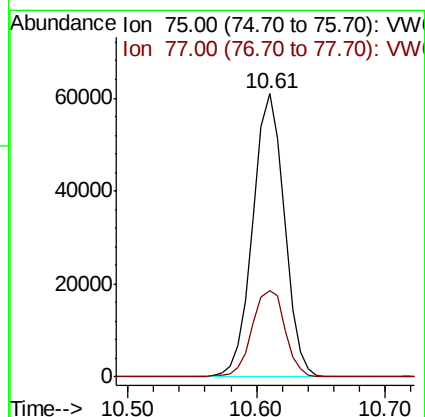
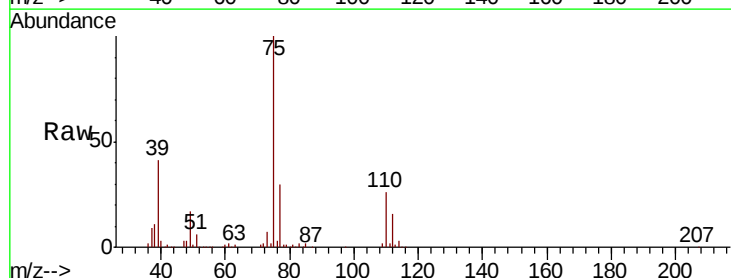
Acq: 01 Aug 2018 21:07

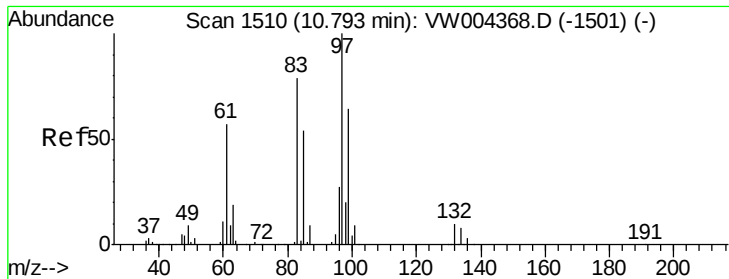
Tgt Ion: 75 Resp: 103378

Ion Ratio Lower Upper

75 100

77 30.4 23.9 44.5





#46

1,1,2-Trichloroethane

Concen: 23.393 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

Tot Ion: 97 Resp: 59537

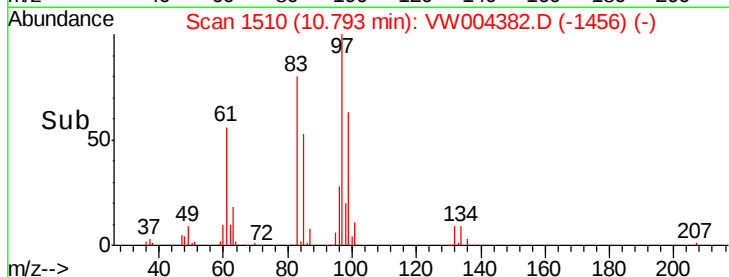
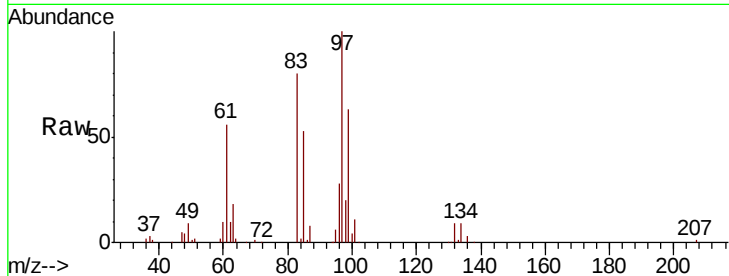
Ion	Ratio	Lower	Upper
97	100		
83	79.8	59.4	110.2
85	52.6	39.0	72.4
99	62.9	46.0	85.4

97 100

83 79.8 59.4 110.2

85 52.6 39.0 72.4

99 62.9 46.0 85.4



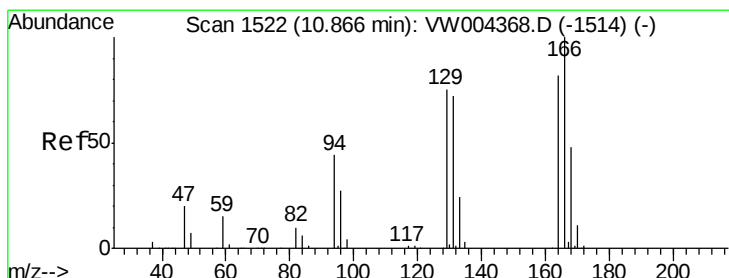
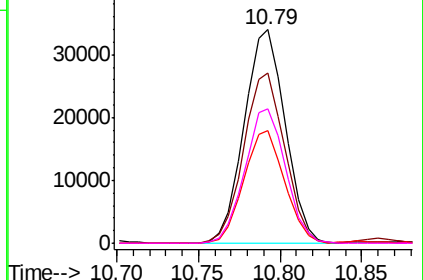
Abundance

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: 23.944 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Tgt Ion: 164 Resp: 67712

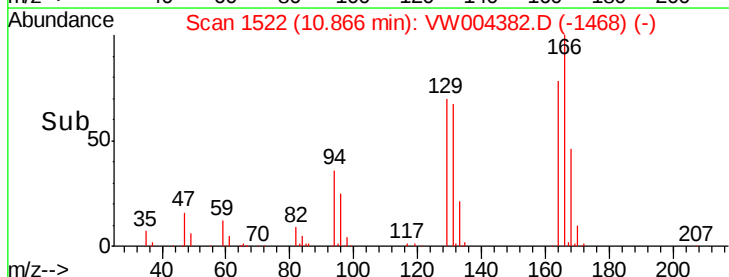
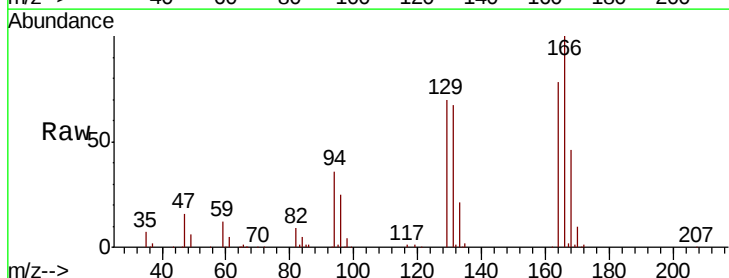
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.7	118.3
131	86.7	61.6	114.4
166	128.5	87.9	163.3

164 100

129 90.5 63.7 118.3

131 86.7 61.6 114.4

166 128.5 87.9 163.3



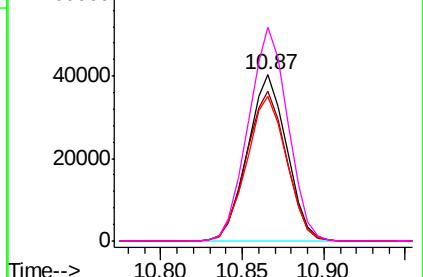
Abundance

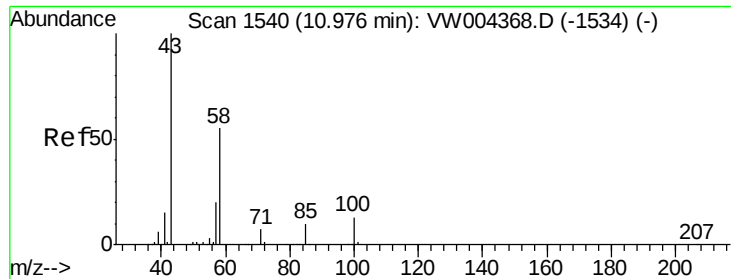
Ion 164.00 (163.70 to 164.70): V

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

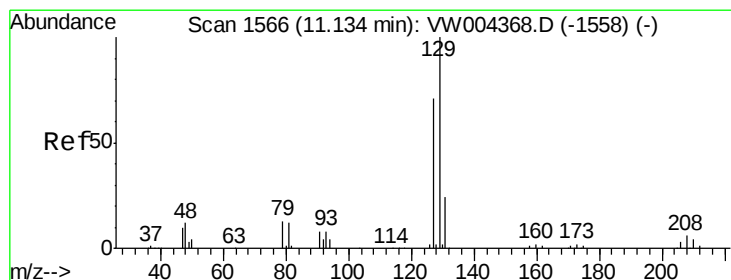
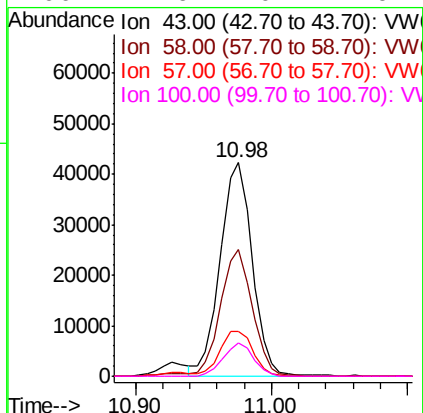
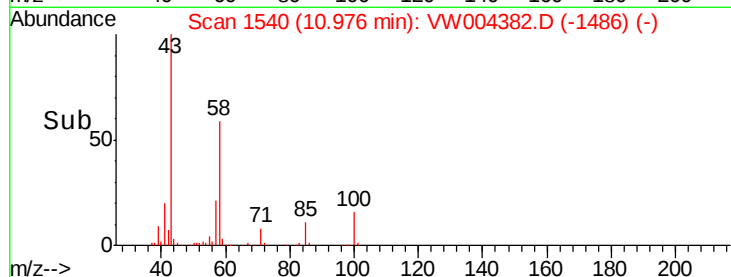
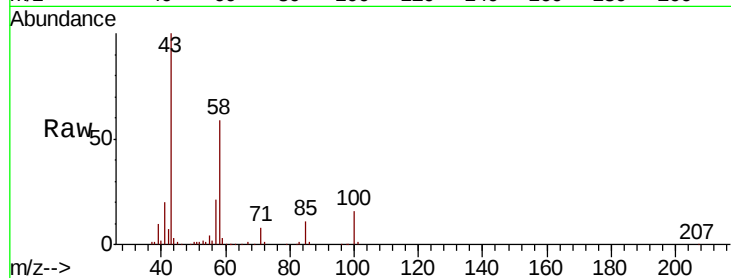




#49
2-Hexanone
Concen: 37.647 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

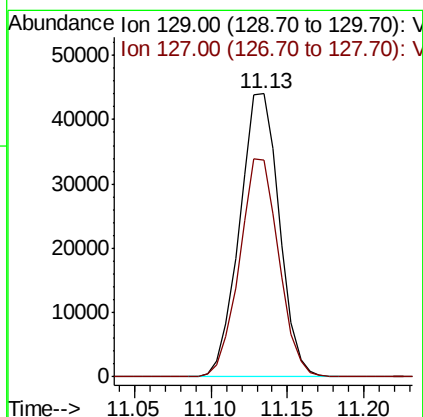
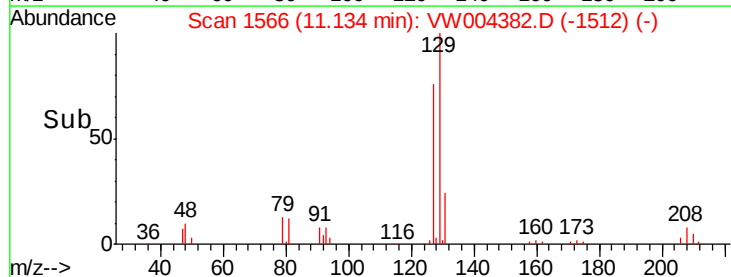
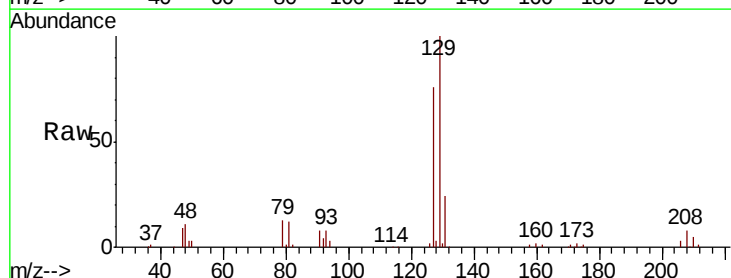
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

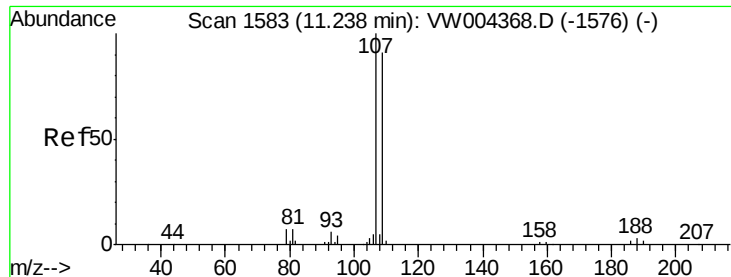
Tot Ion: 43 Resp: 69909
Ion Ratio Lower Upper
43 100
58 58.3 44.0 66.0
57 21.5 16.0 24.0
100 14.6 10.7 16.1



#50
Dibromochloromethane
Concen: 25.642 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion: 129 Resp: 79502
Ion Ratio Lower Upper
129 100
127 76.4 55.6 103.2

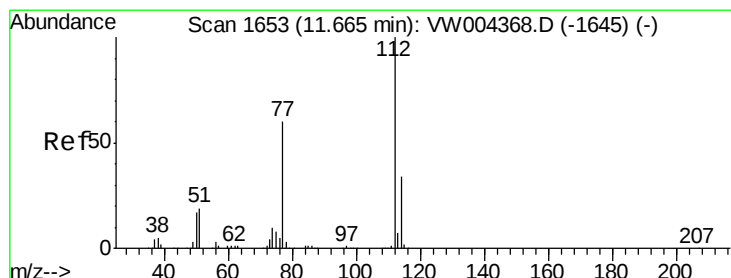
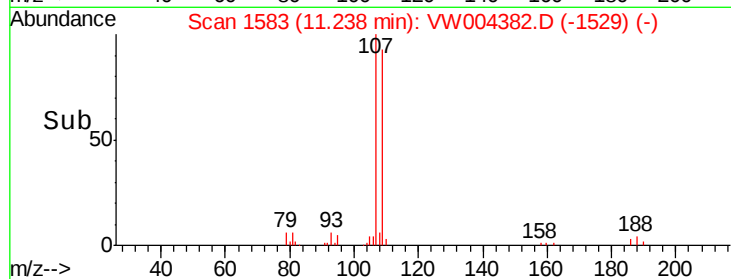
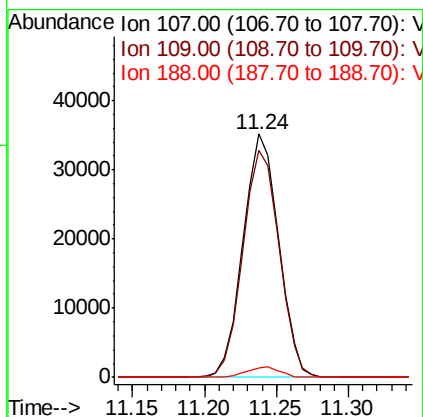
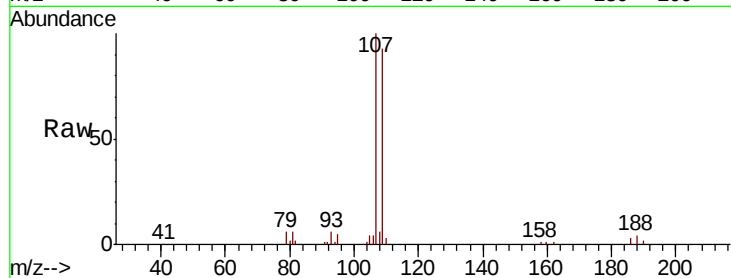




#51
1,2-Dibromoethane
Concen: 23.893 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

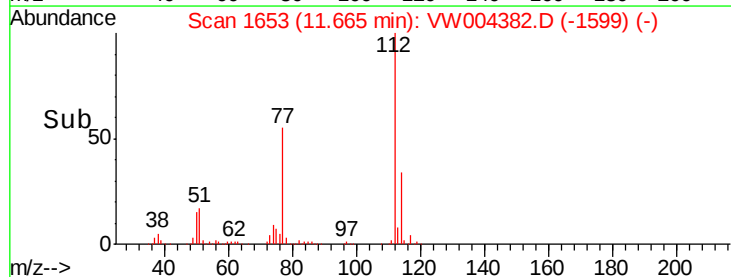
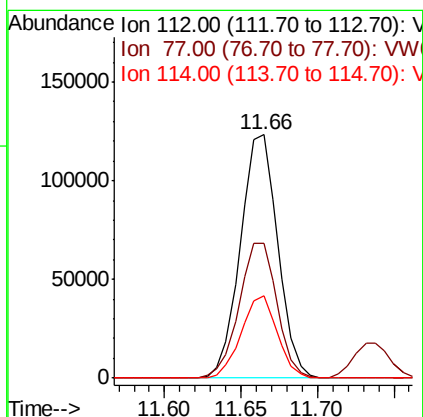
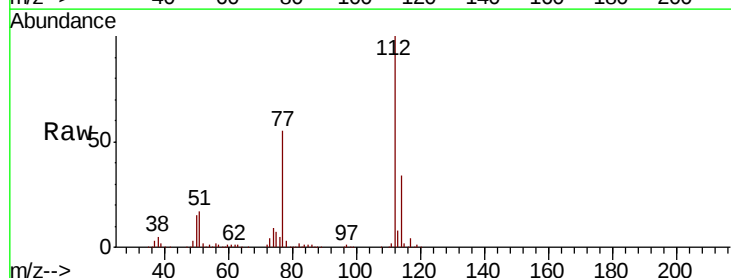
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

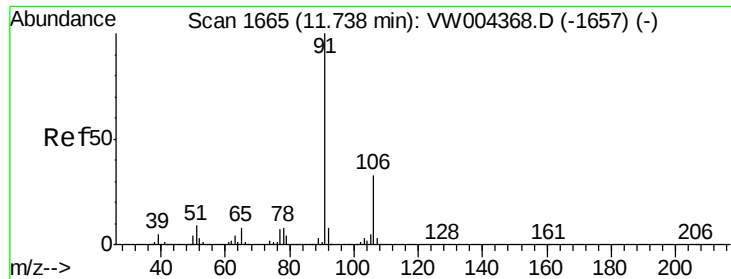
Tot Ion:107 Resp: 60269
Ion Ratio Lower Upper
107 100
109 93.2 65.1 120.9
188 3.9 3.2 4.8



#52
Chlorobenzene
Concen: 23.835 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion:112 Resp: 209911
Ion Ratio Lower Upper
112 100
77 55.2 42.9 64.3
114 33.7 22.0 41.0

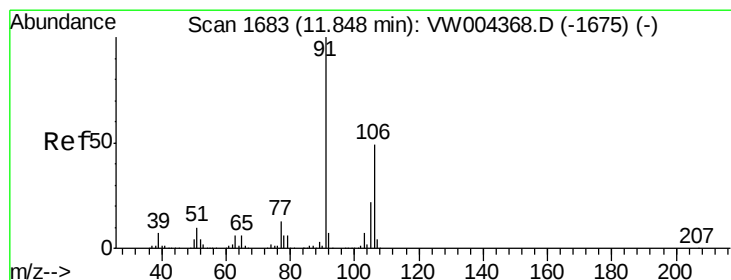
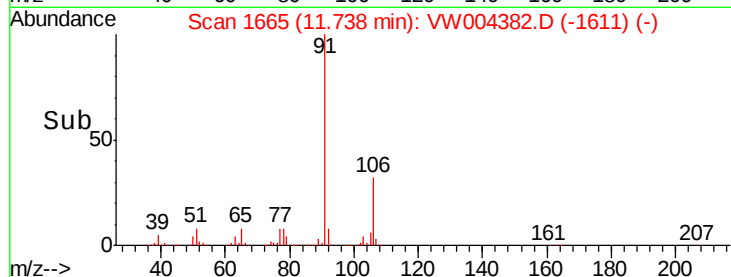
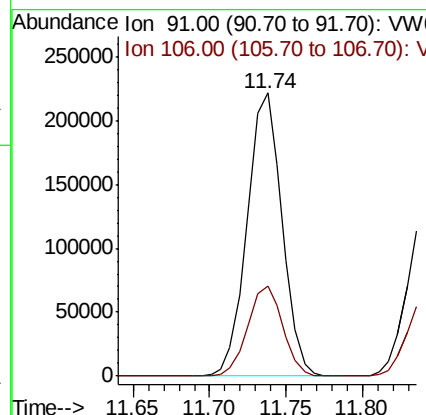
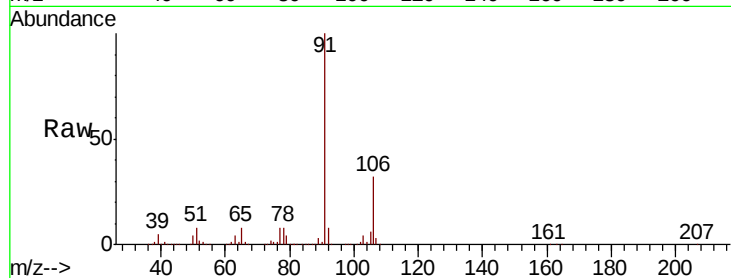




#53
Ethylbenzene
Concen: 23.420 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

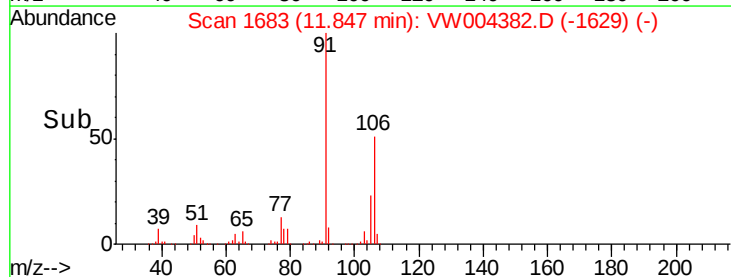
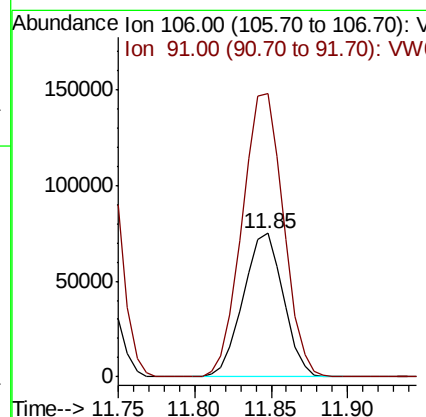
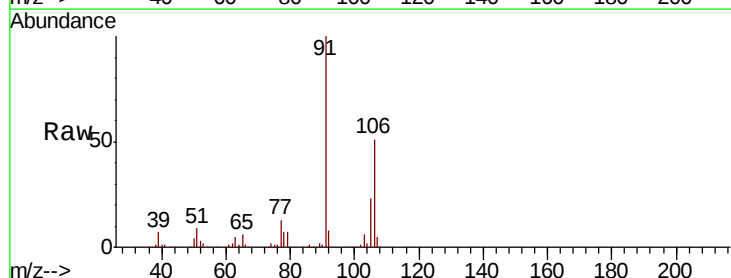
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

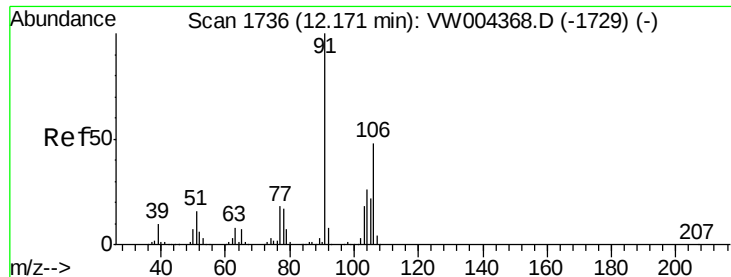
Tot Ion: 91 Resp: 350539
Ion Ratio Lower Upper
91 100
106 32.0 20.7 38.5



#54
m,p-Xylene
Concen: 24.215 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004382.D
Acq: 01 Aug 2018 21:07

Tgt Ion:106 Resp: 137099
Ion Ratio Lower Upper
106 100
91 197.5 139.2 258.6





#55

o-xylene

Concen: 24.709 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

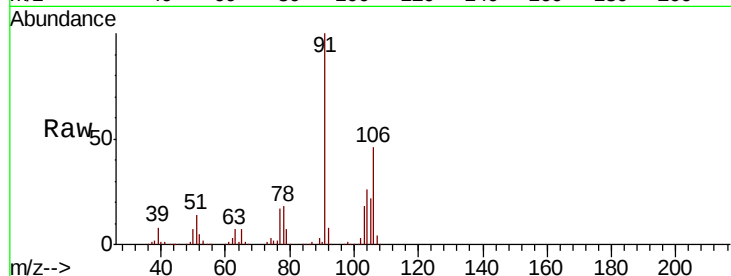
VSTD02587

Tot Ion:106 Resp: 132130

Ion Ratio Lower Upper

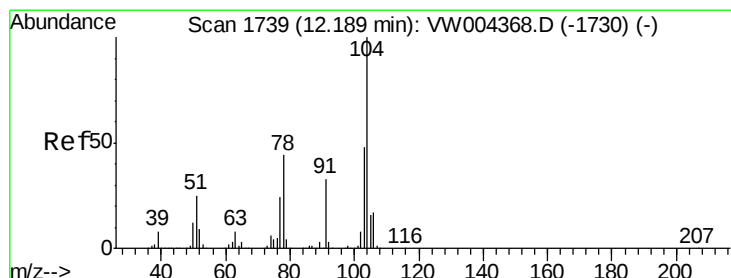
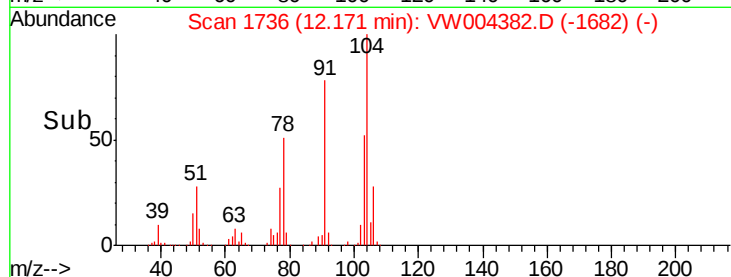
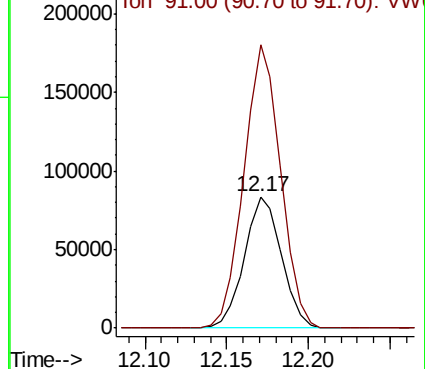
106 100

91 215.1 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.561 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004382.D

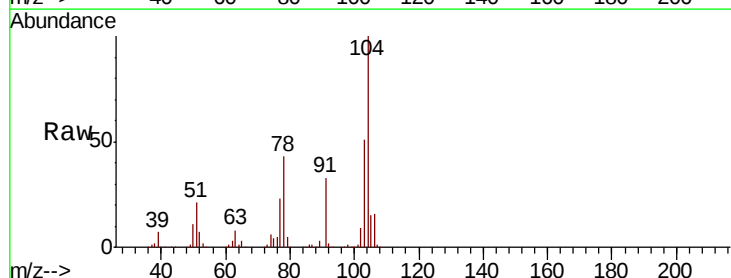
Acq: 01 Aug 2018 21:07

Tgt Ion:104 Resp: 236608

Ion Ratio Lower Upper

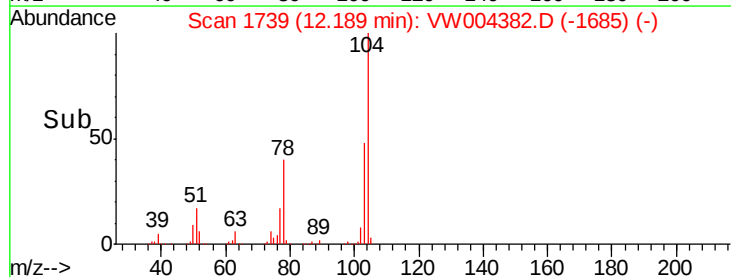
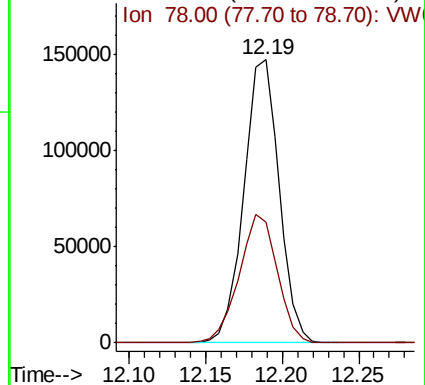
104 100

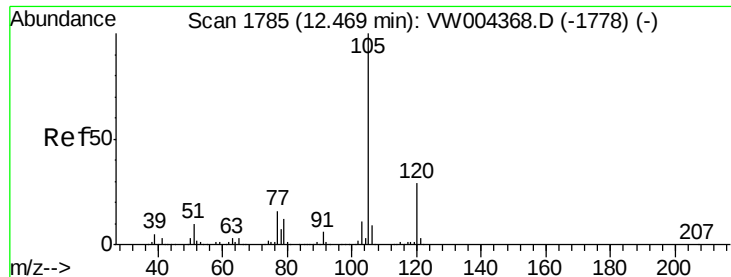
78 42.8 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.506 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

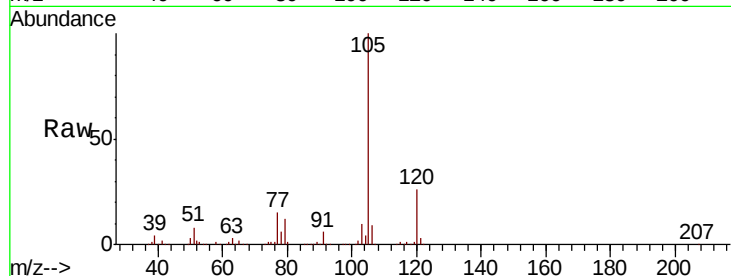
Tot Ion:105 Resp: 367415

Ion Ratio Lower Upper

105 100

120 26.4 21.8 32.8

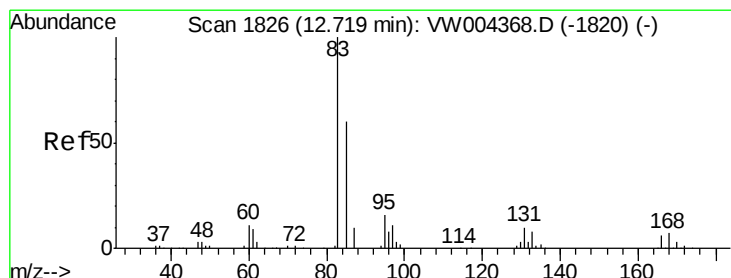
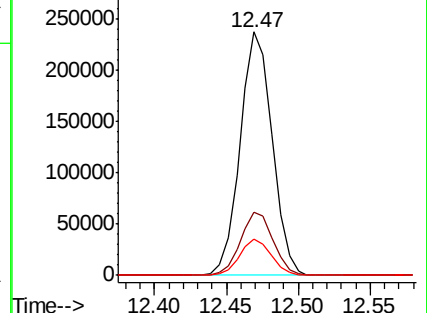
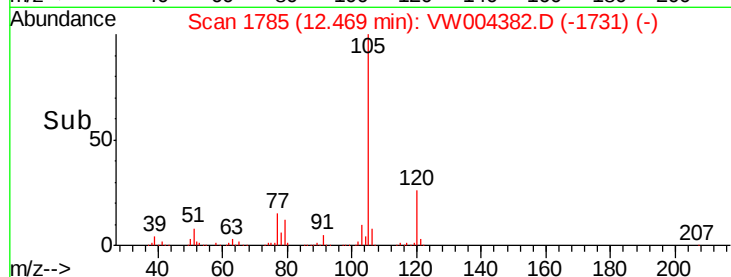
77 14.8 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.911 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

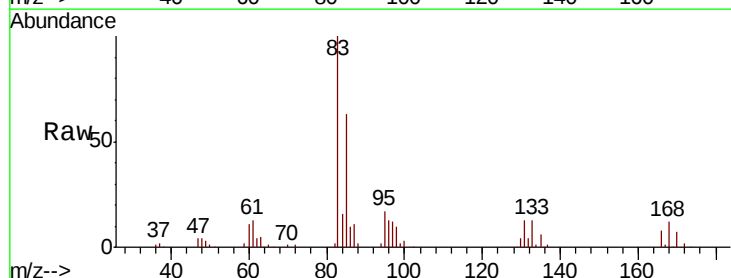
Tgt Ion: 83 Resp: 76560

Ion Ratio Lower Upper

83 100

85 63.0 44.3 82.3

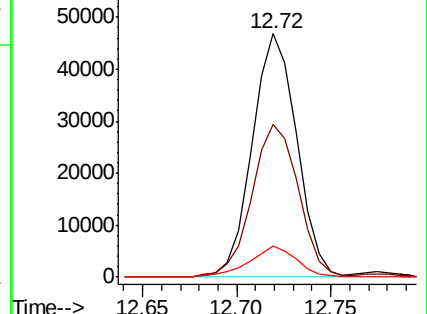
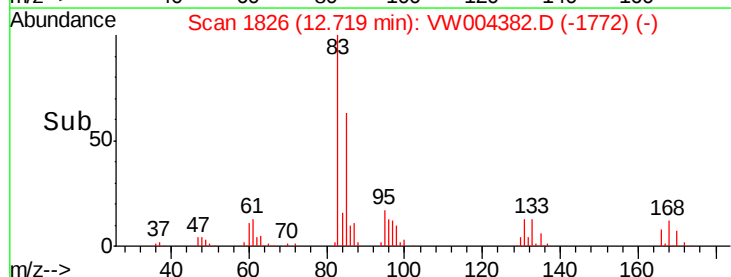
131 12.9 9.1 13.7

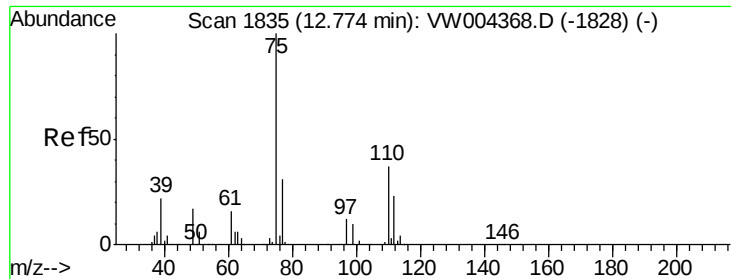


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.601 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

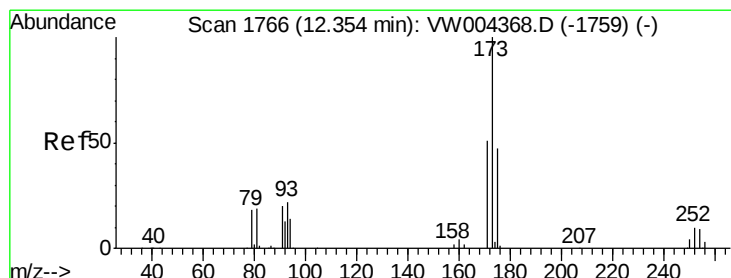
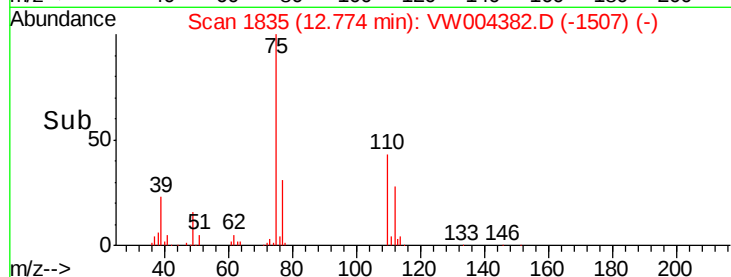
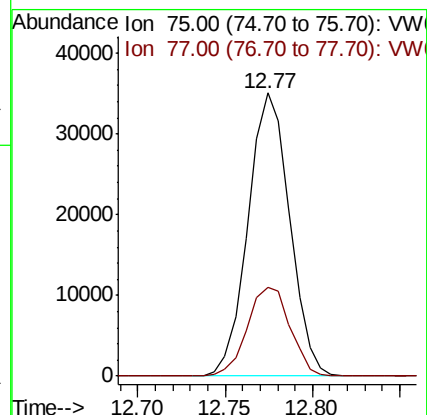
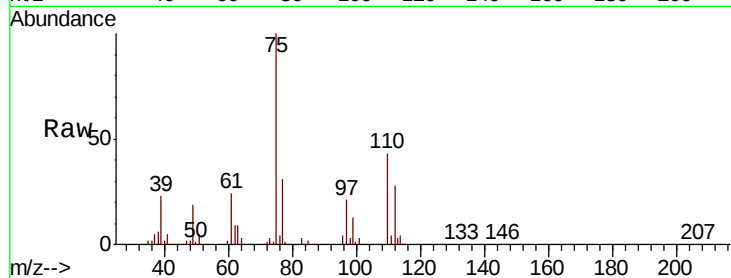
VSTD02587

Tot Ion: 75 Resp: 58112

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#62

Bromoform

Concen: 24.470 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004382.D

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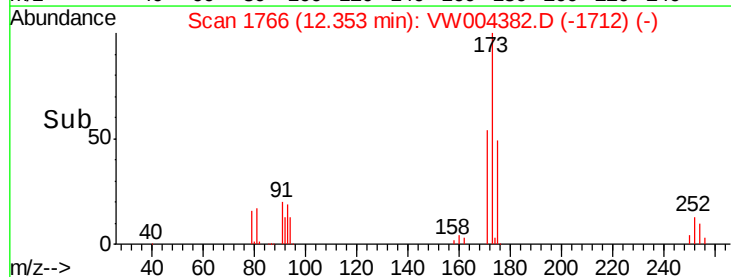
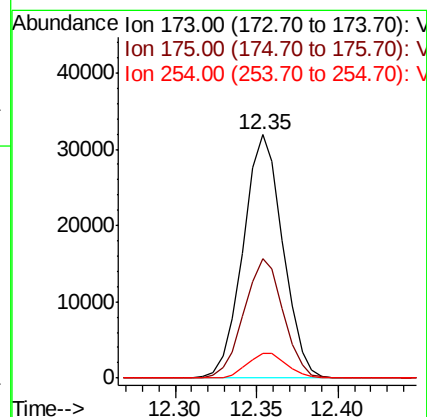
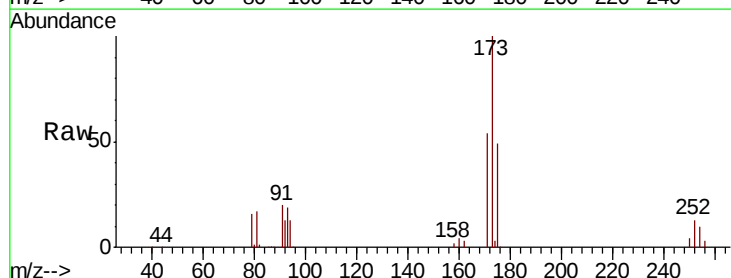
Tgt Ion: 173 Resp: 54062

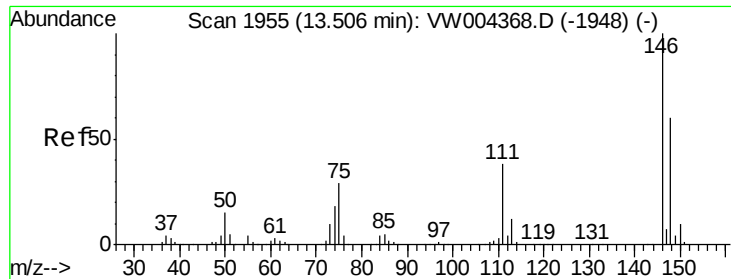
Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

254 10.0 8.6 12.8

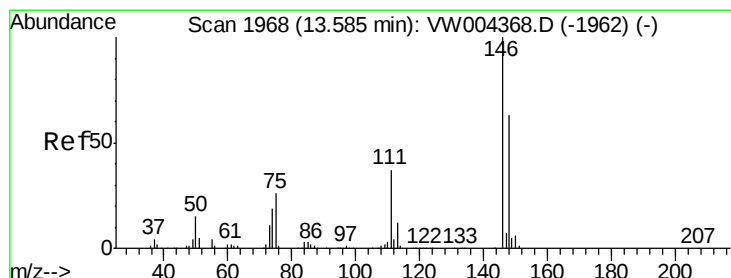
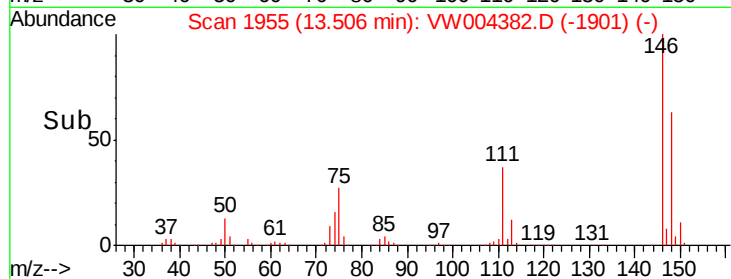
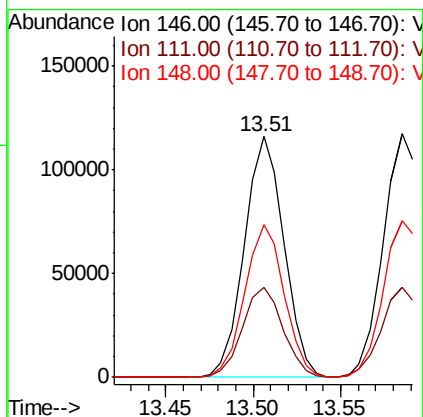
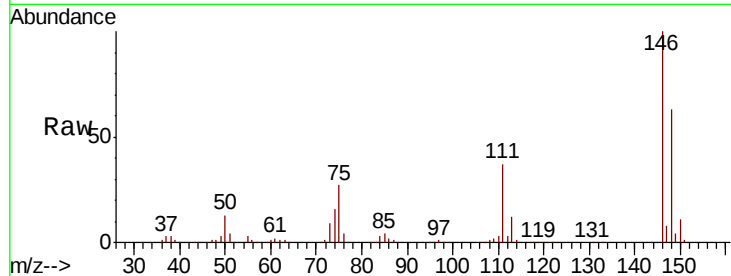




#63
 1,3-Dichlorobenzene
 Concen: 23.924 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

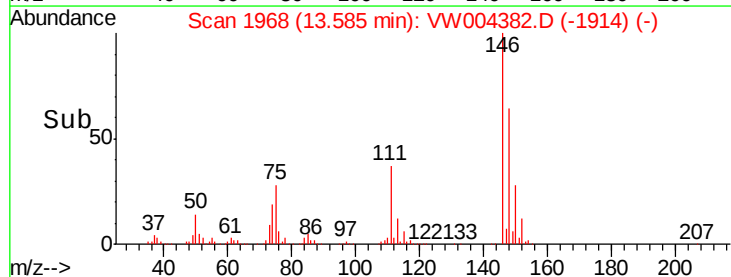
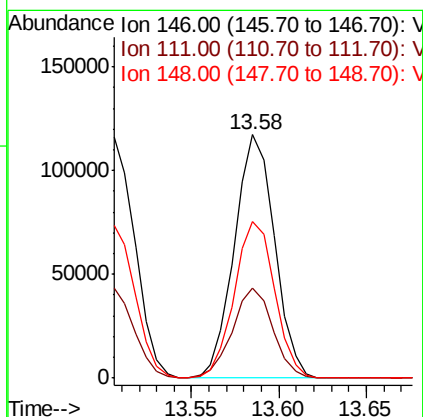
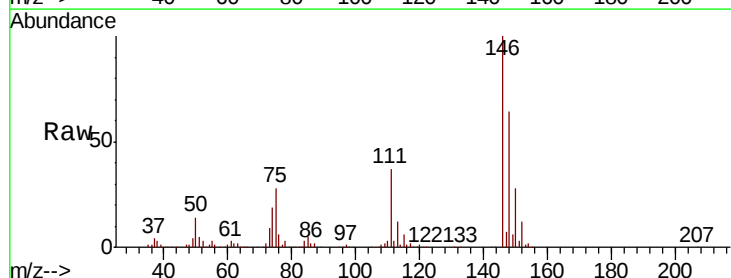
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

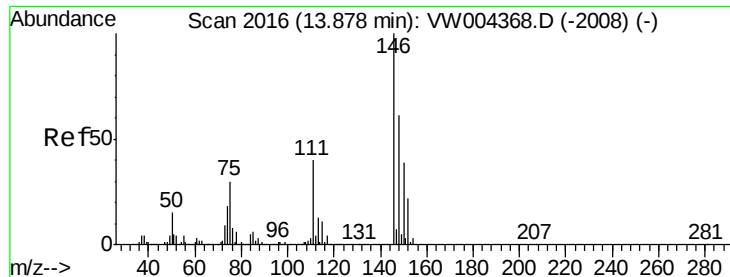
Tot Ion:146 Resp: 182758
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.6 53.2
 148 63.3 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 23.869 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion:146 Resp: 187599
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.4 47.2
 148 64.3 42.8 79.6

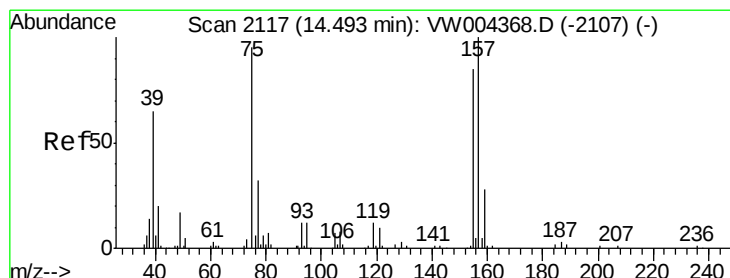
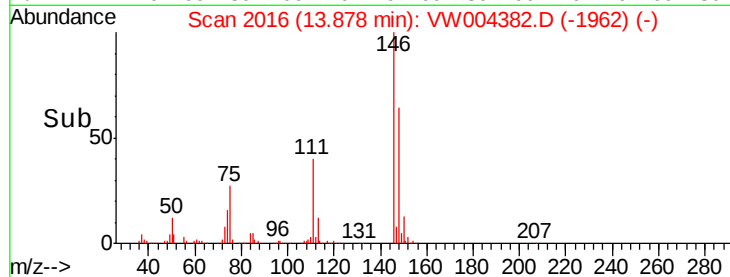
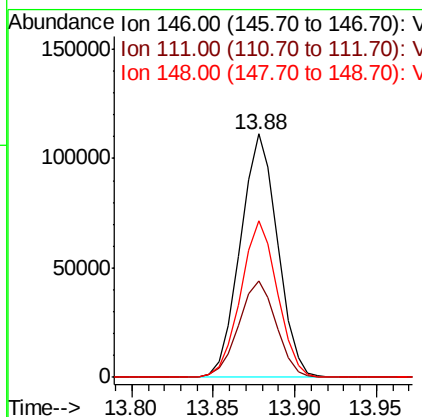
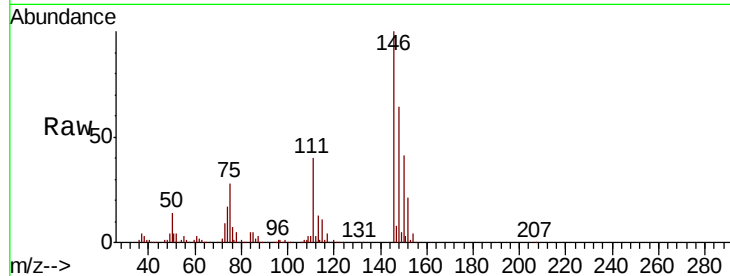




#65
 1,2-Dichlorobenzene
 Concen: 24.444 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

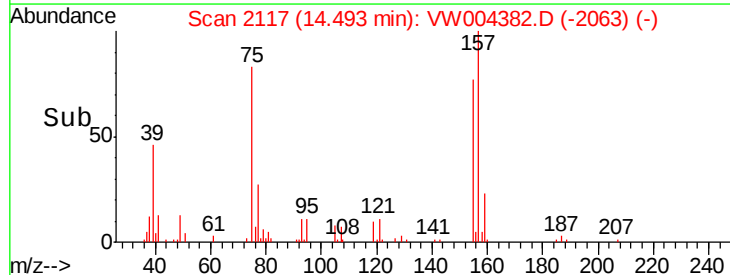
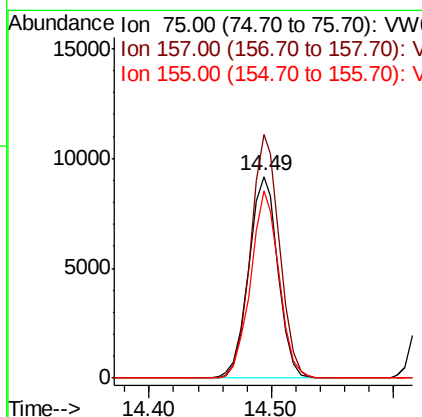
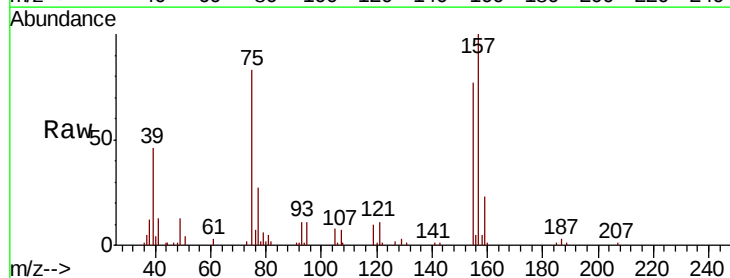
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

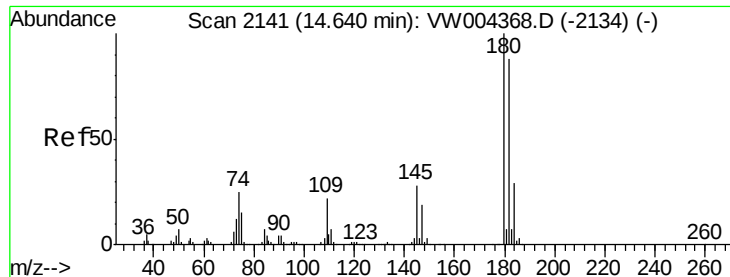
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	30.2	45.4
148	64.3	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.446 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion	Ratio	Lower	Upper
75	100		
157	120.8	88.6	132.8
155	93.1	71.8	107.6

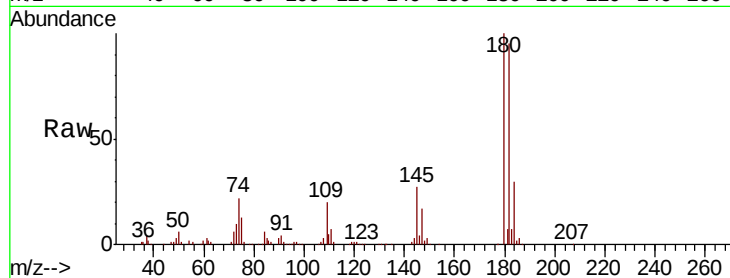




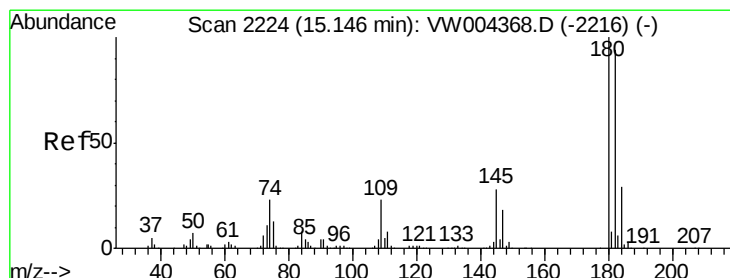
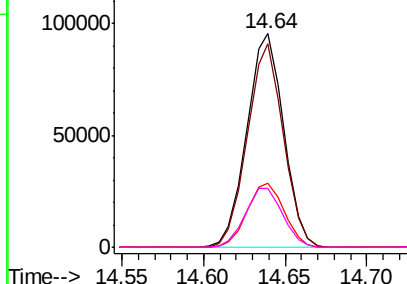
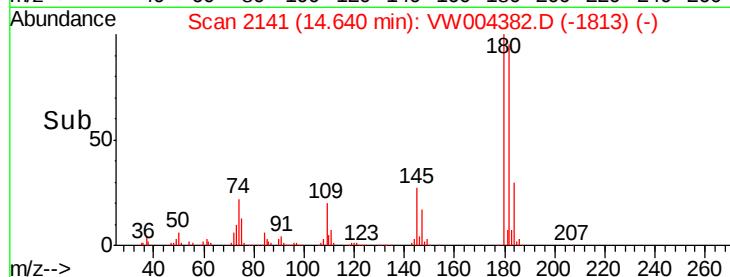
#67
 1,3,5-Trichlorobenzene
 Concen: 24.738 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Tot Ion:180	Resp:	149826
Ion	Ratio	Lower Upper
180	100	
182	93.2	77.7 116.5
184	30.3	24.6 37.0
145	28.4	23.6 35.4

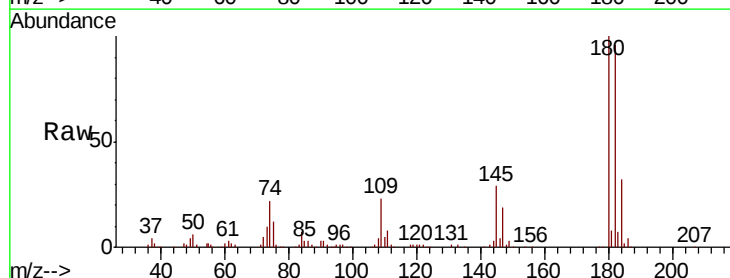


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

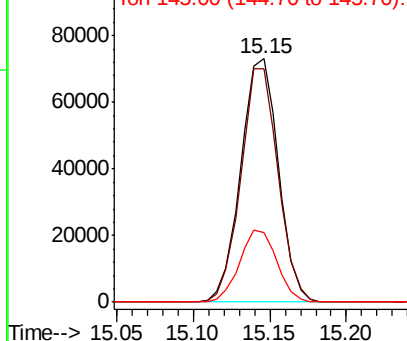
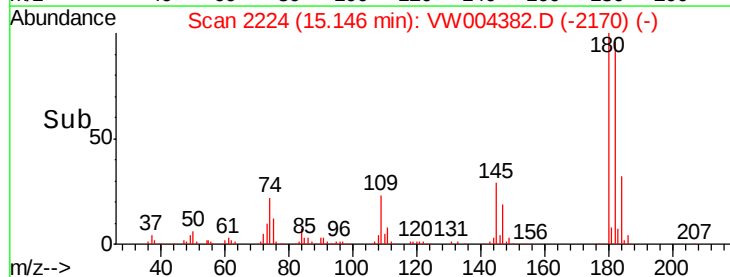


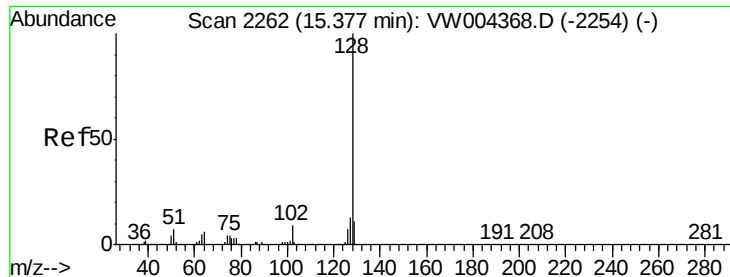
#68
 1,2,4-trichlorobenzene
 Concen: 24.316 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004382.D
 Acq: 01 Aug 2018 21:07

Tgt Ion:180	Resp:	125069
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.5 113.3
145	29.4	24.2 36.2



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





#69

Naphthalene

Concen: 23.028 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

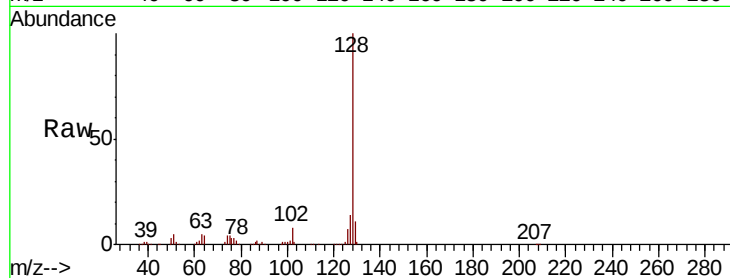
Tot Ion:128 Resp: 267683

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

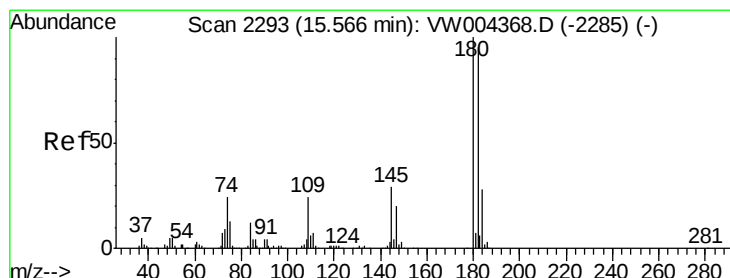
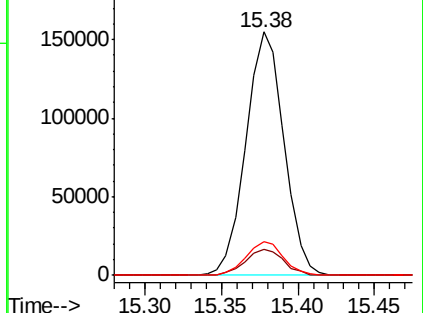
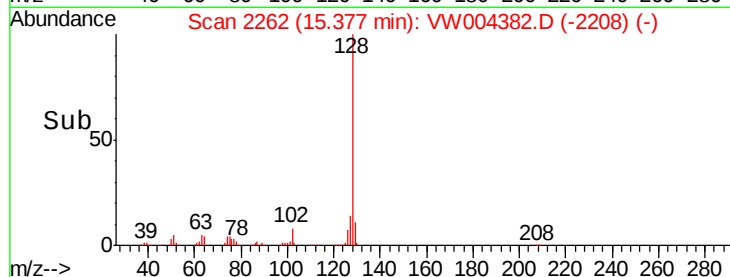
127 13.6 10.4 15.6



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: 24.967 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004382.D

Acq: 01 Aug 2018 21:07

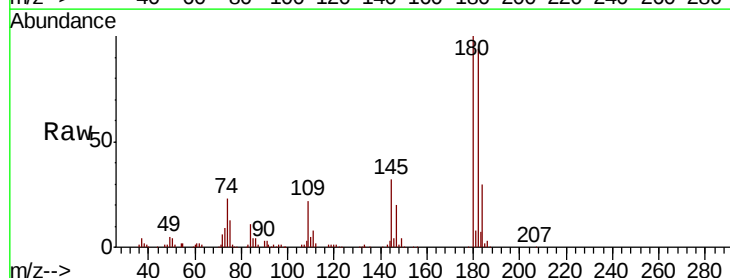
Tgt Ion:180 Resp: 118827

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 31.3 25.4 38.0



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

